

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
 Data File : BN009682.D
 Acq On : 10 Feb 2020 12:36
 Operator : CG/JU
 Sample : L1324-03DL2 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT60DL2

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.134	361	365	373	rVB5	15249	35641	1.23%	0.124%
2	5.493	419	426	435	rBV4	16717	31046	1.07%	0.108%
3	7.087	690	697	705	rBV3	40598	73218	2.52%	0.254%
4	7.428	749	755	764	rBV	267233	418142	14.37%	1.451%
5	7.952	839	844	854	rVB2	73581	121425	4.17%	0.421%
6	8.587	946	952	960	rVV4	11798	23843	0.82%	0.083%
7	9.616	1120	1127	1135	rBV5	29687	74403	2.56%	0.258%
8	9.693	1135	1140	1144	rBV3	24029	47867	1.65%	0.166%
9	10.175	1213	1222	1226	rBV	385308	647634	22.26%	2.247%
10	10.228	1226	1231	1242	rVV	1821030	2909446	100.00%	10.096%
11	10.346	1246	1251	1261	rVV2	17694	34002	1.17%	0.118%
12	11.846	1499	1506	1514	rBV	768445	1247370	42.87%	4.329%
13	12.075	1536	1545	1553	rVV	464728	772936	26.57%	2.682%
14	12.893	1678	1684	1692	rVB	147034	234249	8.05%	0.813%
15	13.087	1711	1717	1721	rBV2	23731	44456	1.53%	0.154%
16	13.222	1734	1740	1742	rBV2	104382	171245	5.89%	0.594%
17	13.381	1761	1767	1773	rVV	208514	368675	12.67%	1.279%
18	13.440	1773	1777	1783	rVV	127458	190965	6.56%	0.663%
19	13.516	1783	1790	1798	rVV3	79334	172045	5.91%	0.597%
20	13.622	1802	1808	1812	rBV2	97021	152205	5.23%	0.528%
21	13.651	1812	1813	1817	rVB2	29673	26763	0.92%	0.093%
22	13.781	1826	1835	1845	rBV	378802	636913	21.89%	2.210%
23	14.063	1876	1883	1890	rVV3	574092	887698	30.51%	3.080%
24	14.134	1890	1895	1898	rVV	55330	88124	3.03%	0.306%
25	14.163	1898	1900	1906	rVV	32319	43180	1.48%	0.150%
26	14.293	1915	1922	1930	rBV4	13051	25150	0.86%	0.087%
27	14.475	1945	1953	1959	rVV2	74409	142039	4.88%	0.493%
28	14.557	1962	1967	1973	rVV	49227	62612	2.15%	0.217%
29	14.692	1983	1990	1995	rBV5	49071	99501	3.42%	0.345%
30	14.751	1995	2000	2004	rVV3	34492	53039	1.82%	0.184%
31	14.869	2018	2020	2023	rVV2	26571	32548	1.12%	0.113%
32	14.951	2029	2034	2040	rVB3	47103	79233	2.72%	0.275%
33	15.022	2040	2046	2050	rBV5	18134	33128	1.14%	0.115%
34	15.069	2050	2054	2058	rVV3	98638	137769	4.74%	0.478%

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35	15.122	2058	2063	2076	rVV	310355	504359	17.34%	1.750%
36	15.251	2081	2085	2089	rVV5	25889	53042	1.82%	0.184%
37	15.281	2089	2090	2094	rVV3	20819	23964	0.82%	0.083%
38	15.334	2094	2099	2104	rVV3	25592	61523	2.11%	0.213%
39	15.428	2110	2115	2118	rVV	46598	72040	2.48%	0.250%
40	15.463	2119	2121	2126	rVV2	21452	28010	0.96%	0.097%
41	15.539	2129	2134	2138	rBV2	73606	115514	3.97%	0.401%
42	15.575	2138	2140	2148	rVV3	27564	48801	1.68%	0.169%
43	15.816	2177	2181	2186	rBV7	19434	35686	1.23%	0.124%
44	16.134	2229	2235	2240	rVV3	64524	140507	4.83%	0.488%
45	16.181	2240	2243	2249	rVV2	41947	62026	2.13%	0.215%
46	16.281	2255	2260	2266	rBV3	38885	61235	2.10%	0.212%
47	16.410	2278	2282	2285	rVV4	21141	28365	0.97%	0.098%
48	16.492	2292	2296	2302	rVB2	27791	43985	1.51%	0.153%
49	16.639	2314	2321	2326	rBV	162273	229967	7.90%	0.798%
50	16.822	2346	2352	2355	rBV	671002	921281	31.67%	3.197%
51	16.863	2355	2359	2365	rVV	2057958	2732568	93.92%	9.482%
52	16.922	2365	2369	2370	rVV2	61243	76574	2.63%	0.266%
53	16.957	2370	2375	2382	rVV	435024	625737	21.51%	2.171%
54	17.022	2382	2386	2392	rVV5	26553	49181	1.69%	0.171%
55	17.239	2415	2423	2427	rBV5	11717	24238	0.83%	0.084%
56	17.351	2438	2442	2446	rVV2	50588	64199	2.21%	0.223%
57	17.404	2446	2451	2459	rVB2	75063	116041	3.99%	0.403%
58	17.545	2467	2475	2485	rVB2	48514	94831	3.26%	0.329%
59	17.698	2496	2501	2505	rVV	315061	414933	14.26%	1.440%
60	17.745	2505	2509	2515	rVV	341175	452481	15.55%	1.570%
61	17.828	2518	2523	2527	rBV	115422	161878	5.56%	0.562%
62	17.886	2527	2533	2537	rVV2	399367	667918	22.96%	2.318%
63	17.928	2537	2540	2546	rVB	205487	280185	9.63%	0.972%
64	18.104	2565	2570	2573	rVB2	18610	23743	0.82%	0.082%
65	18.210	2583	2588	2595	rVV	157049	230989	7.94%	0.802%
66	18.457	2627	2630	2635	rBV4	27336	35208	1.21%	0.122%
67	18.510	2635	2639	2642	rVV	37763	43368	1.49%	0.150%
68	18.551	2642	2646	2651	rVB4	25276	34559	1.19%	0.120%
69	18.628	2654	2659	2664	rBV2	126348	203460	6.99%	0.706%
70	18.692	2664	2670	2673	rVV3	87201	165667	5.69%	0.575%
71	18.722	2673	2675	2679	rVV2	56746	67224	2.31%	0.233%

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72	18.769	2679	2683	2691	rVV6	50354	124251	4.27%	0.431%
73	18.892	2698	2704	2710	rBV	888211	1167853	40.14%	4.053%
74	18.969	2713	2717	2719	rBV2	21357	25237	0.87%	0.088%
75	18.998	2719	2722	2726	rVV3	20277	26881	0.92%	0.093%
76	19.045	2726	2730	2735	rVB	172473	206196	7.09%	0.716%
77	19.133	2742	2745	2748	rBV	24659	29997	1.03%	0.104%
78	19.163	2748	2750	2756	rVB2	24253	31168	1.07%	0.108%
79	19.257	2756	2766	2771	rBV	1183281	1754177	60.29%	6.087%
80	19.345	2777	2781	2786	rVB6	23144	41015	1.41%	0.142%
81	19.445	2794	2798	2802	rVV2	21620	30317	1.04%	0.105%
82	19.592	2818	2823	2830	rBV4	78373	166753	5.73%	0.579%
83	19.727	2842	2846	2848	rBV3	74171	109469	3.76%	0.380%
84	19.763	2848	2852	2858	rVB2	192539	277001	9.52%	0.961%
85	19.863	2865	2869	2874	rVB	157303	199313	6.85%	0.692%
86	19.922	2875	2879	2884	rBV	139239	167627	5.76%	0.582%
87	20.022	2891	2896	2899	rBV6	30091	56364	1.94%	0.196%
88	20.063	2899	2903	2907	rVV	102246	150493	5.17%	0.522%
89	20.104	2907	2910	2920	rVB	128083	218279	7.50%	0.757%
90	20.486	2969	2975	2978	rBV6	31266	72357	2.49%	0.251%
91	20.680	3005	3008	3012	rBV	58103	63241	2.17%	0.219%
92	20.722	3012	3015	3018	rBV	82909	87635	3.01%	0.304%
93	20.757	3018	3021	3025	rBV	52582	66043	2.27%	0.229%
94	21.033	3061	3068	3072	rBV3	1051227	1807653	62.13%	6.273%
95	21.074	3072	3075	3082	rVB	366283	487464	16.75%	1.692%
96	21.574	3158	3160	3166	rVB2	88201	99740	3.43%	0.346%
97	22.539	3318	3324	3335	rVB2	199010	607975	20.90%	2.110%
98	22.968	3393	3397	3401	rBV	123875	191482	6.58%	0.664%
99	23.057	3408	3412	3420	rVB2	281901	520924	17.90%	1.808%
100	23.145	3422	3427	3433	rBV	552444	916458	31.50%	3.180%

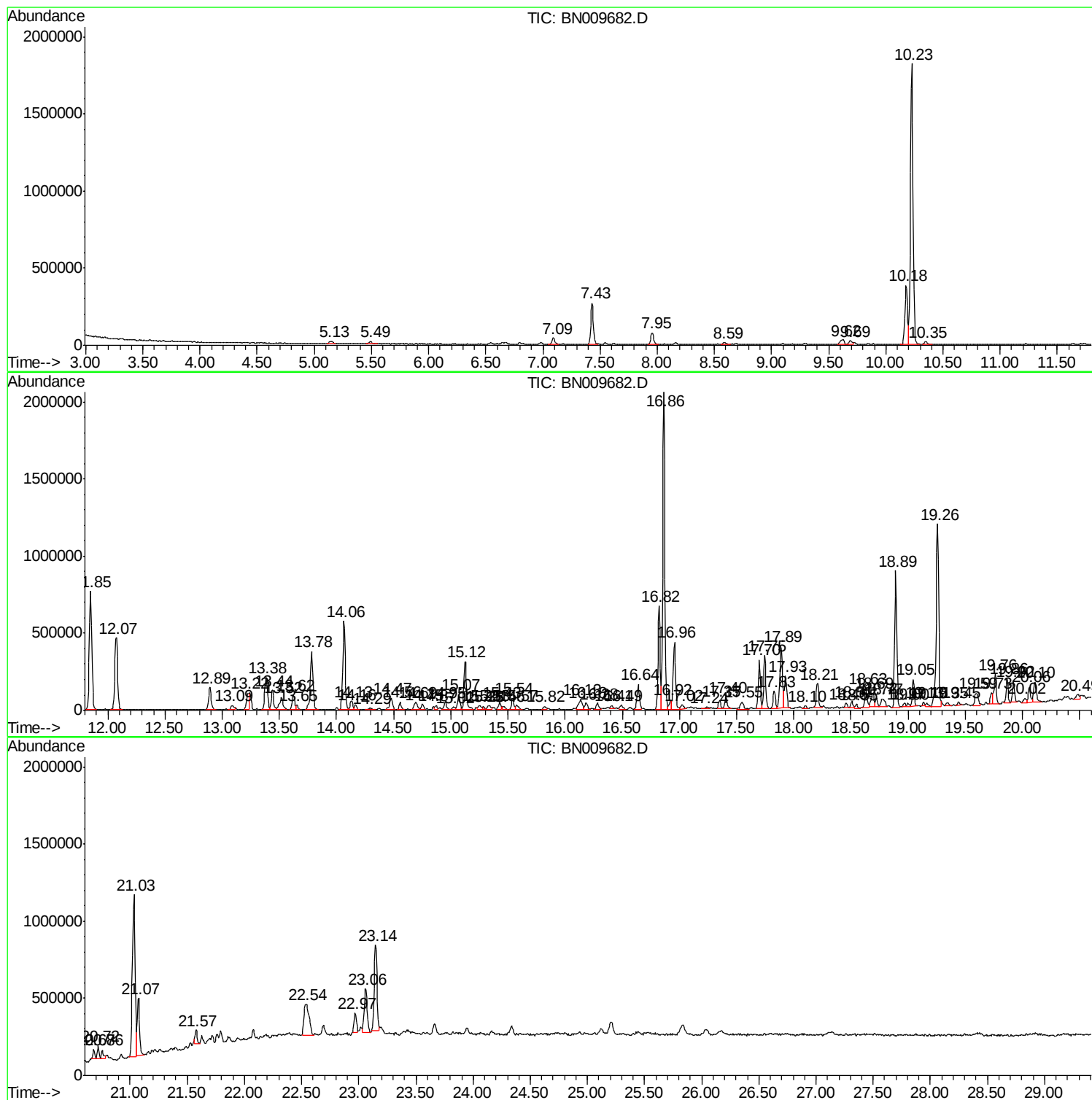
Sum of corrected areas: 28817160

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ClientSampleId :
GAT60DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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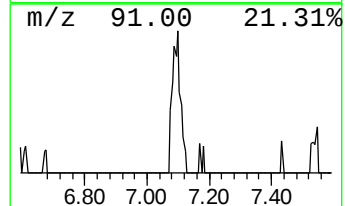
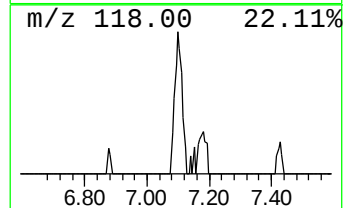
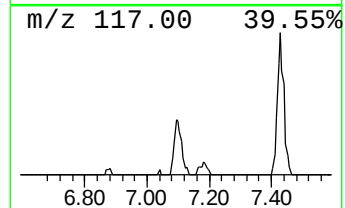
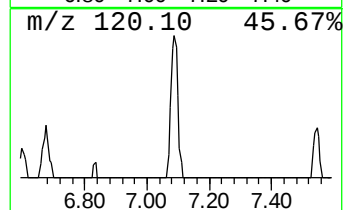
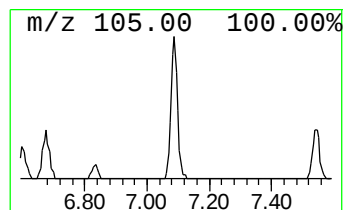
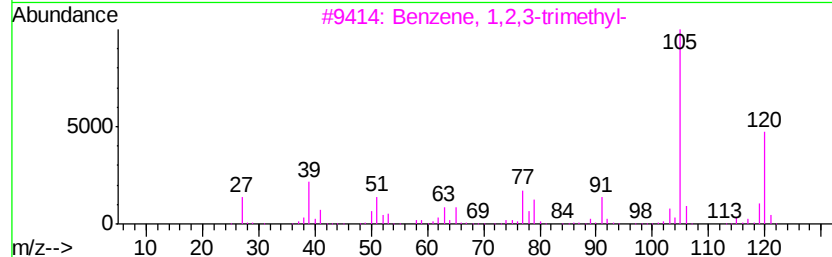
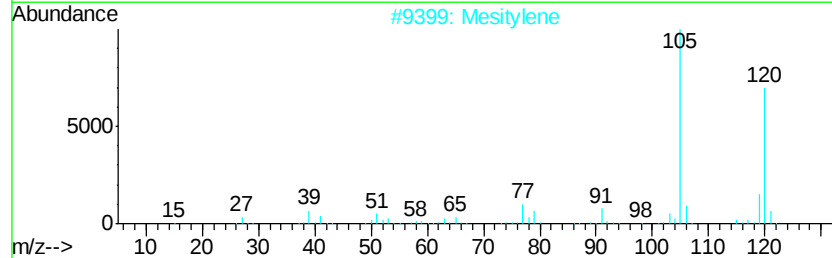
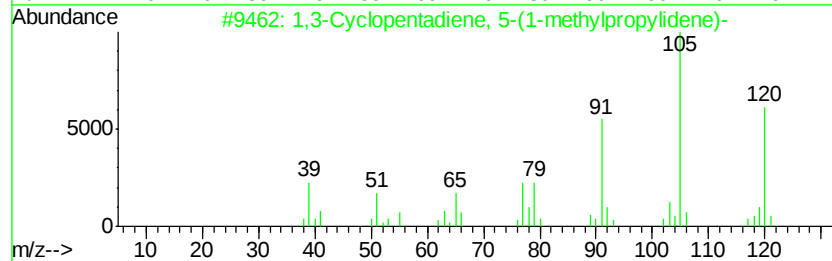
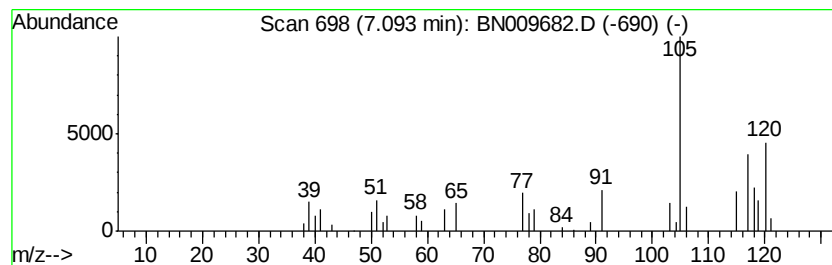
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 1,3-Cyclopentadiene, 5-(1-m... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	3.50 ng/ul	73218	1,4-Dichlorobenzene-d4	7.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	59
2			Mesitylene	120	C9H12	000108-67-8	58
3			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	58
4			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	53
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	52



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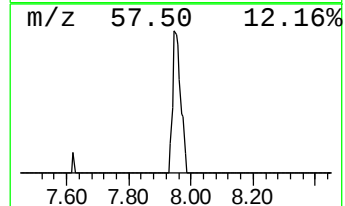
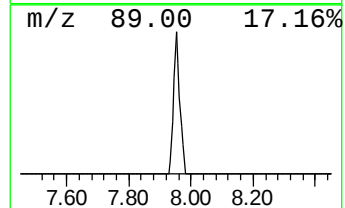
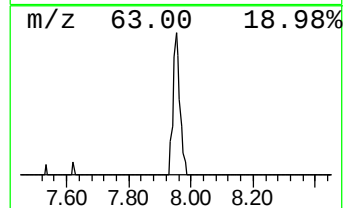
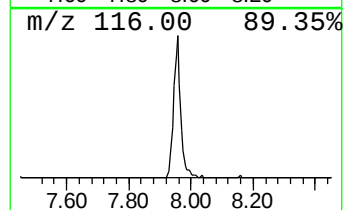
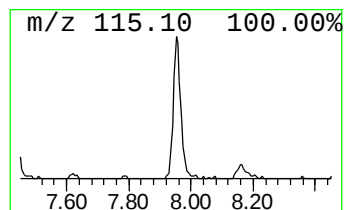
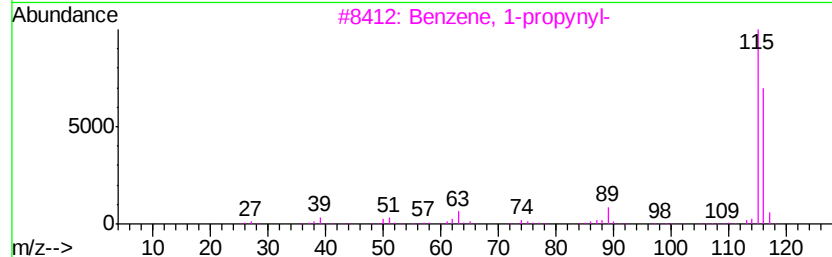
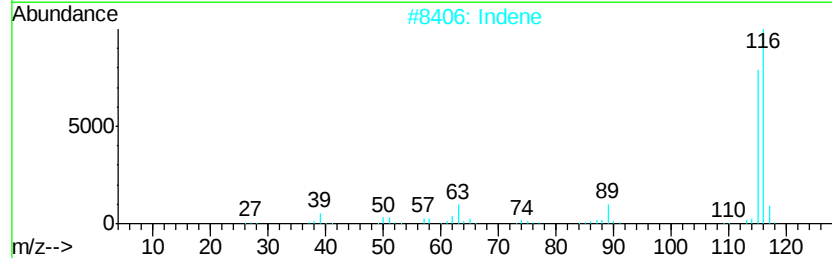
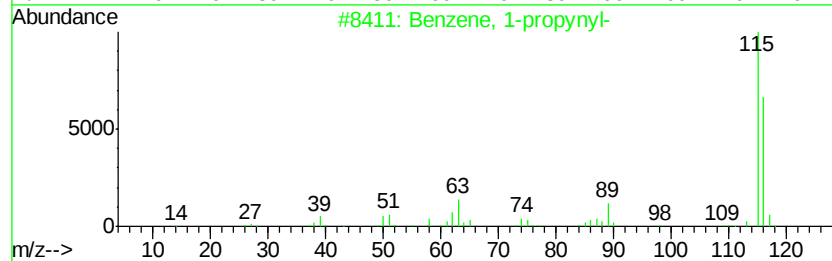
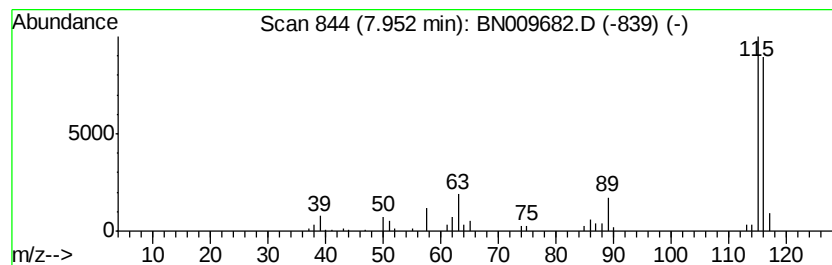
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1-propynyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	5.81 ng/ul	121425	1,4-Dichlorobenzene-d4	7.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2		Indene	116	C9H8	000095-13-6	91
3		Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4		1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
5		Indene	116	C9H8	000095-13-6	91



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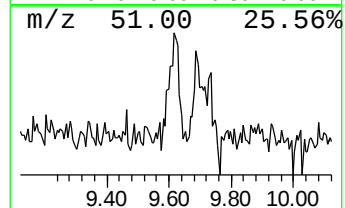
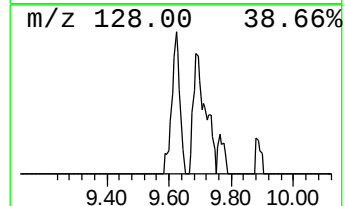
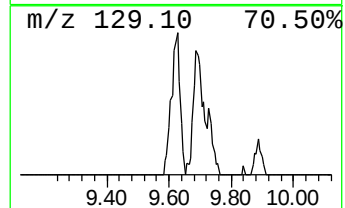
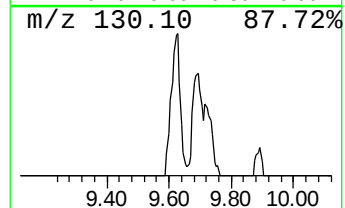
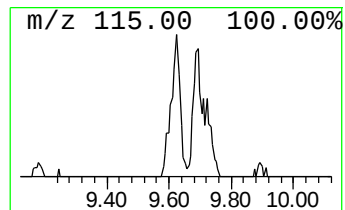
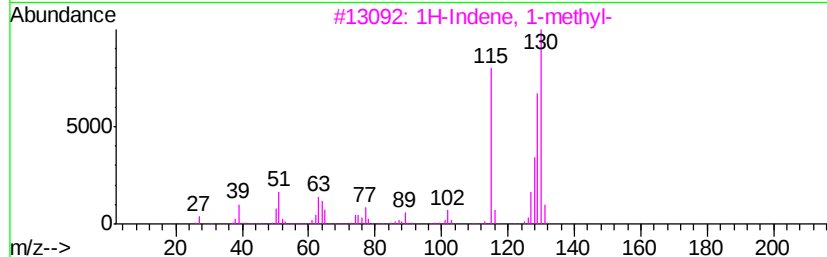
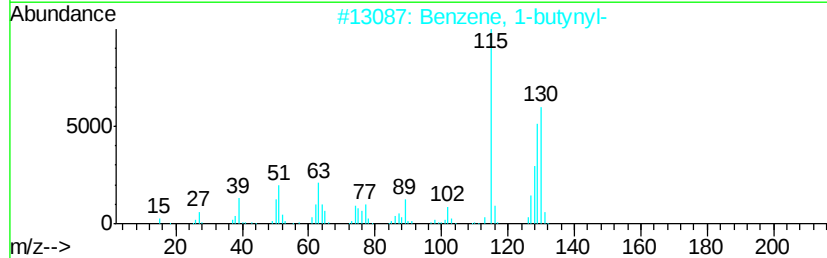
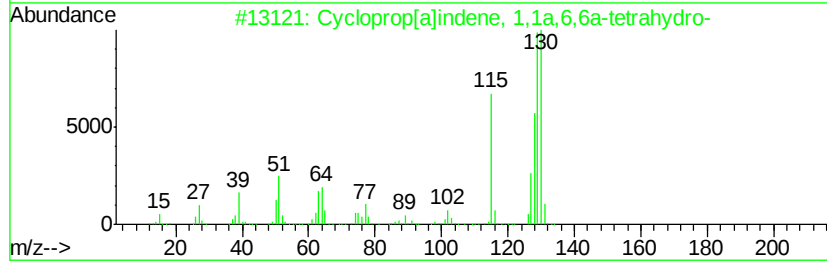
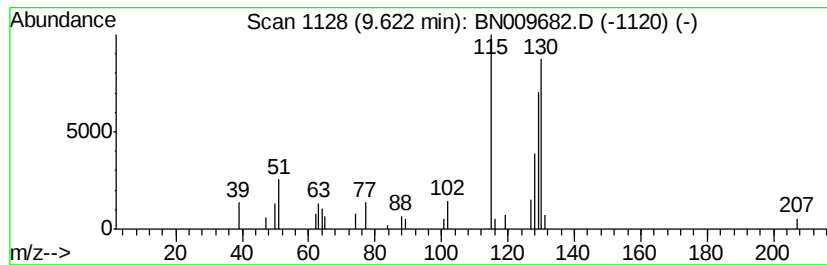
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	2.30 ng/ul	74403	Naphthalene-d8	10.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	89
2		Benzene, 1-butynyl-	130	C10H10	000622-76-4	89
3		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	81
4		Benzene, 1-butynyl-	130	C10H10	000622-76-4	81
5		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	76



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Acq On : 10 Feb 2020 12:36
Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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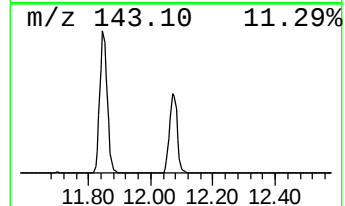
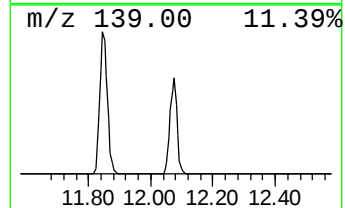
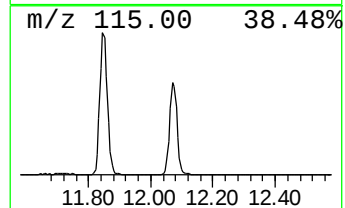
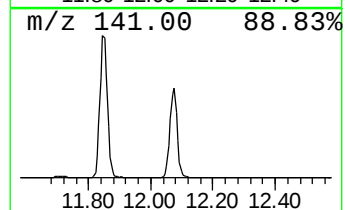
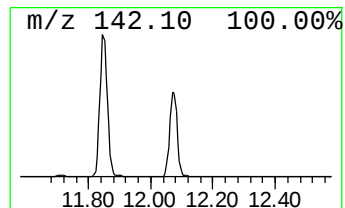
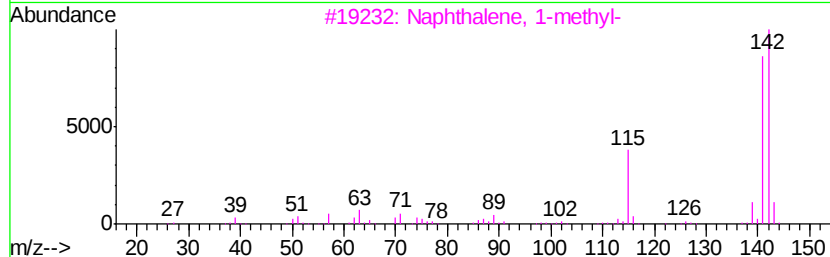
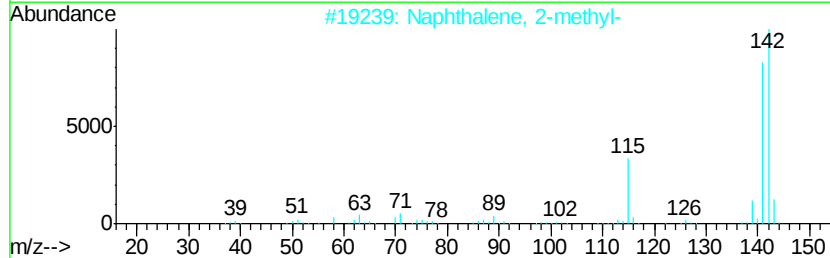
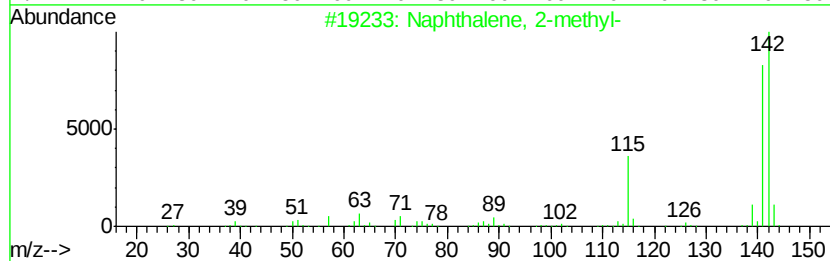
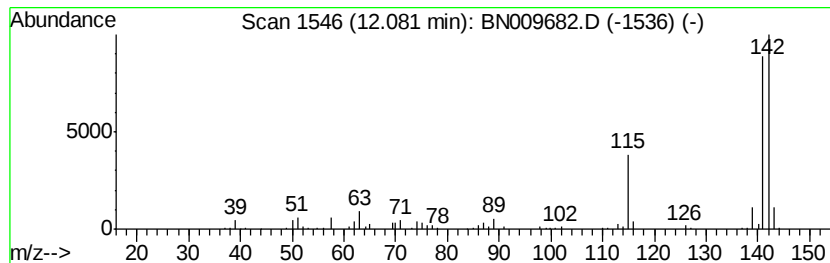
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	23.87 ng/ul	772936	Naphthalene-d8	10.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5		Benzocycloheptatriene	142	C11H10	000264-09-5	91



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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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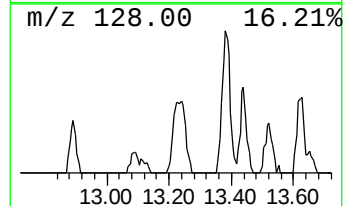
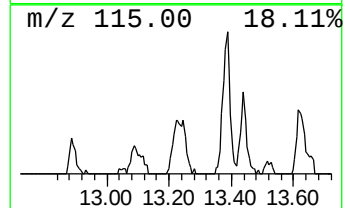
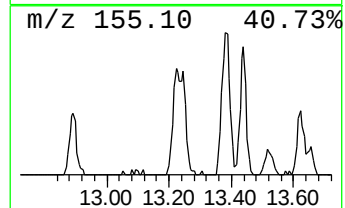
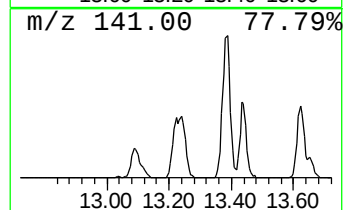
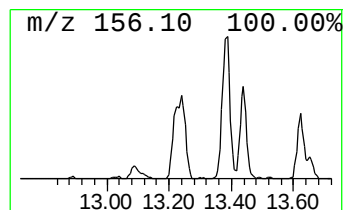
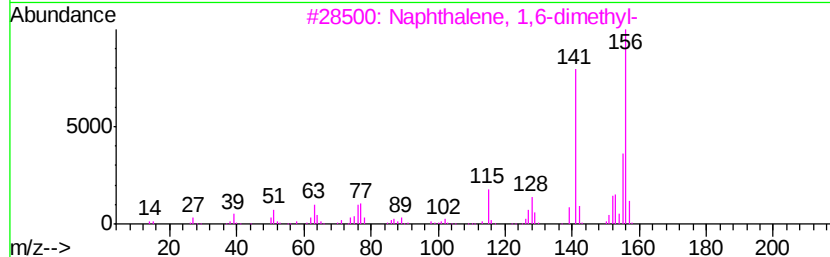
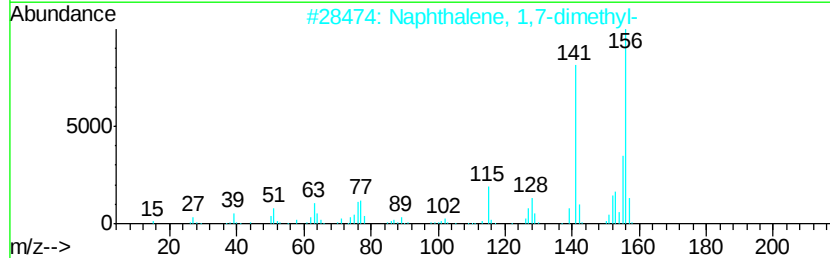
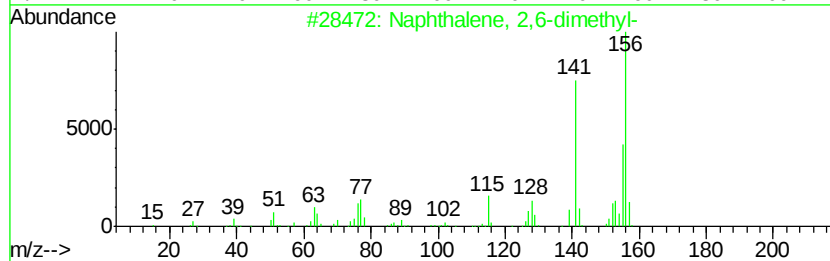
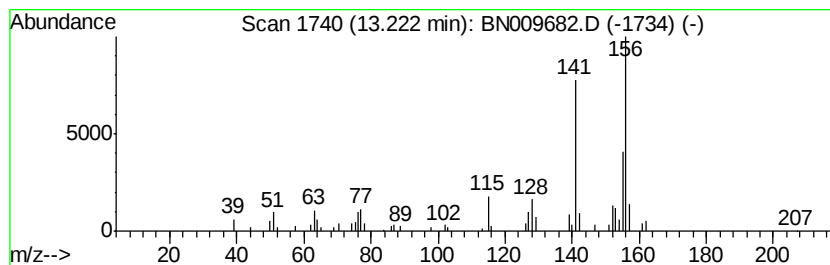
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	3.86 ng/ul	171245	Acenaphthene-d10	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
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Misc :
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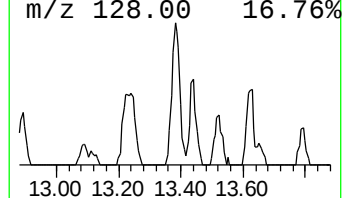
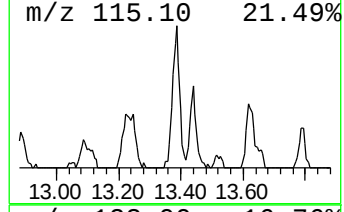
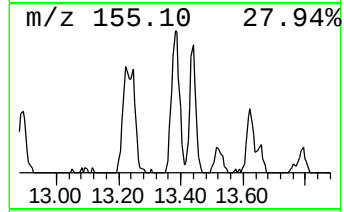
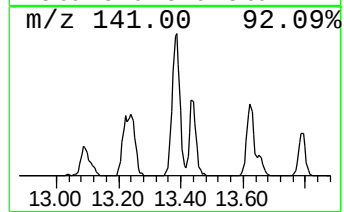
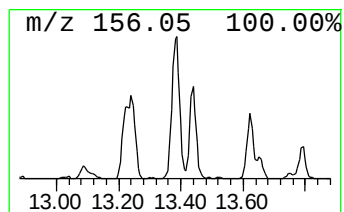
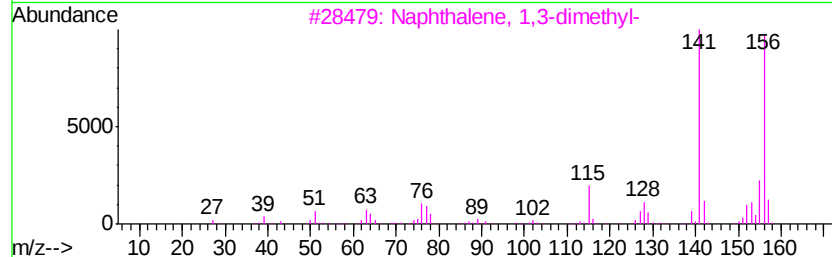
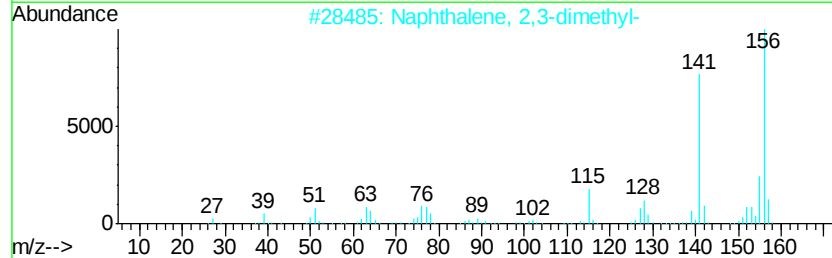
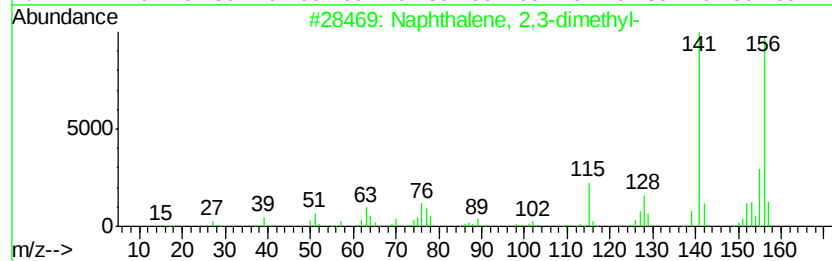
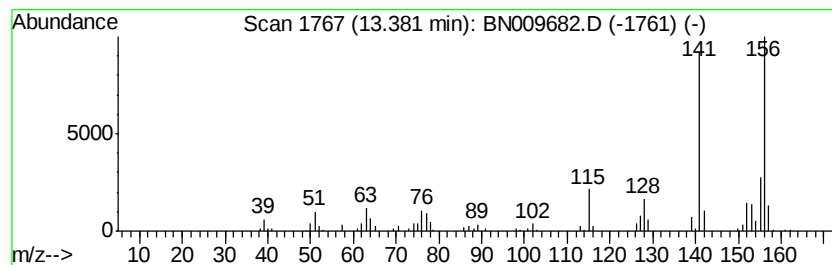
Instrument :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.38	8.31 ng/ul	368675	Acenaphthene-d10		14.06
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
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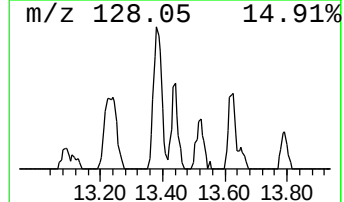
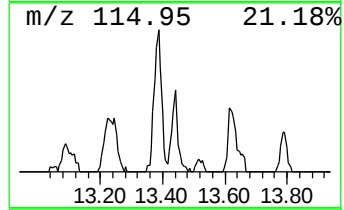
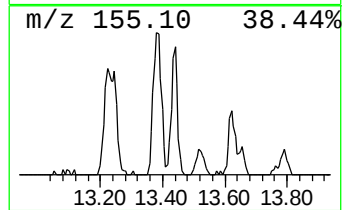
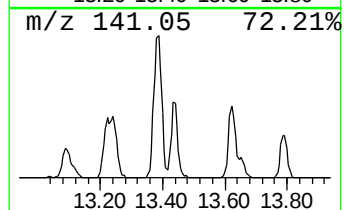
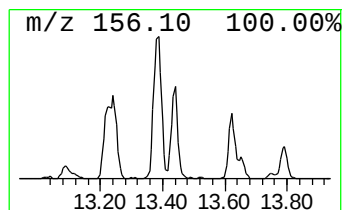
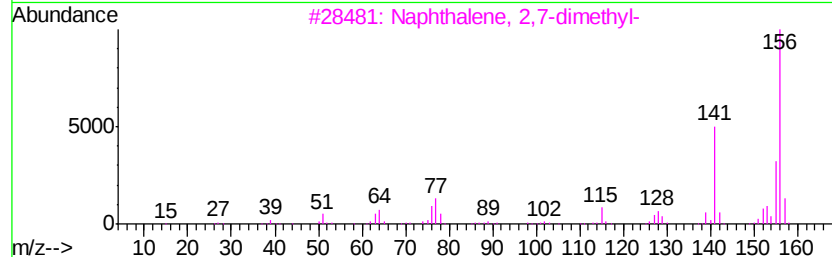
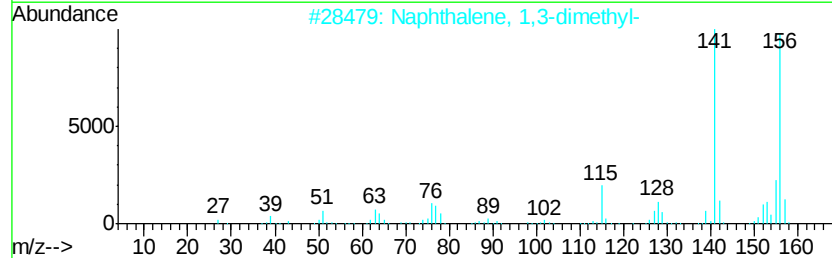
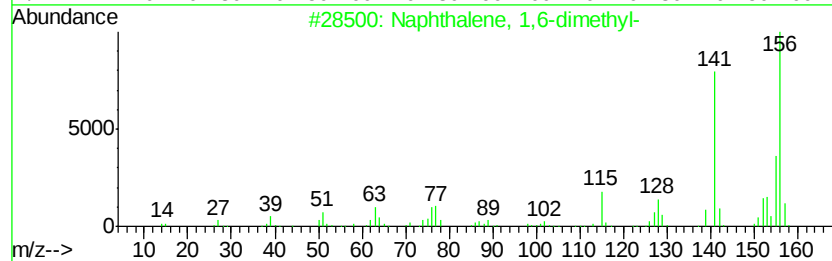
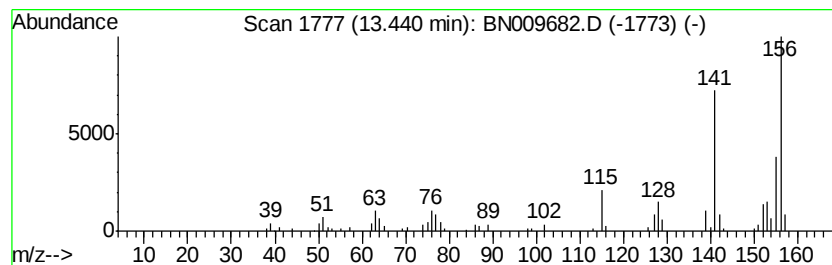
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	4.30 ng/ul	190965	Acenaphthene-d10	14.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96
2		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 94
3		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 94
4		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 93
5		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 93



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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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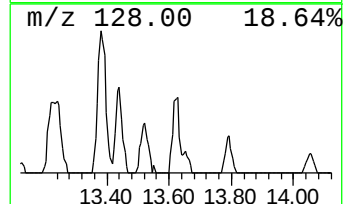
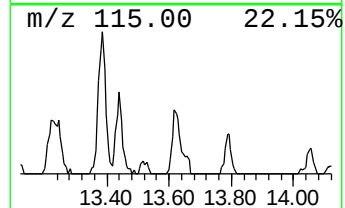
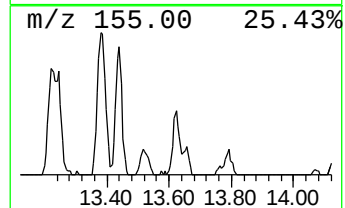
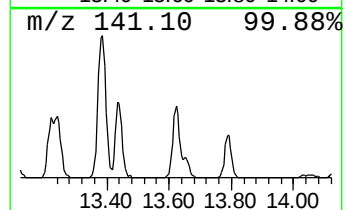
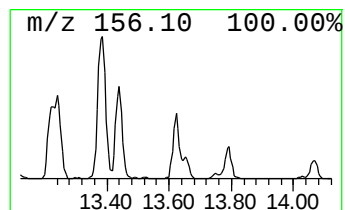
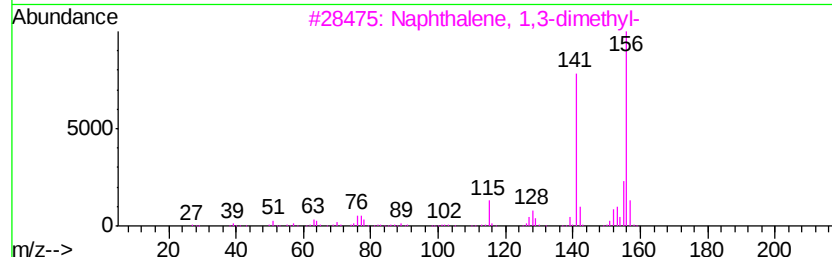
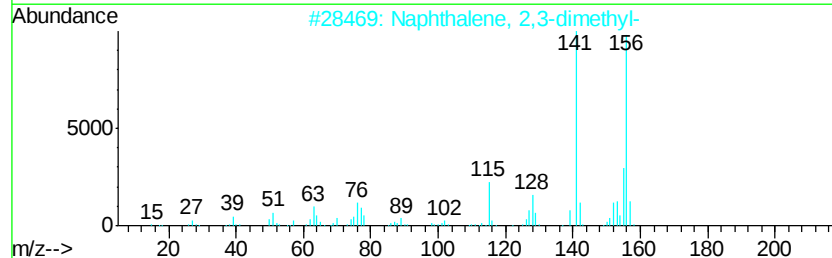
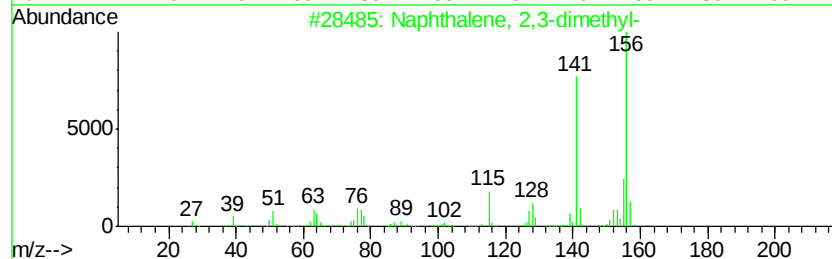
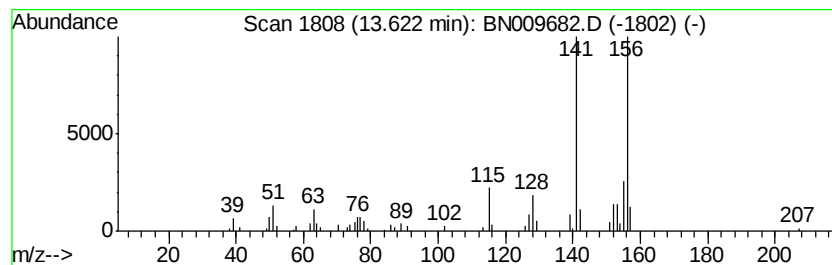
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	3.43 ng/ul	152205	Acenaphthene-d10	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
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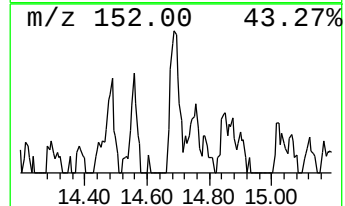
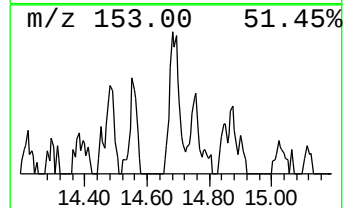
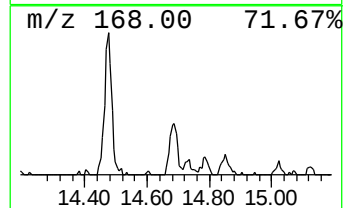
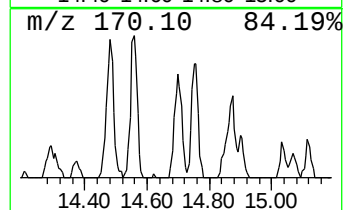
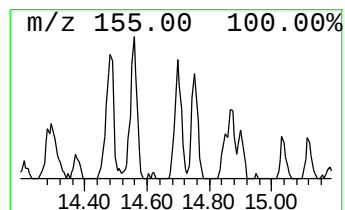
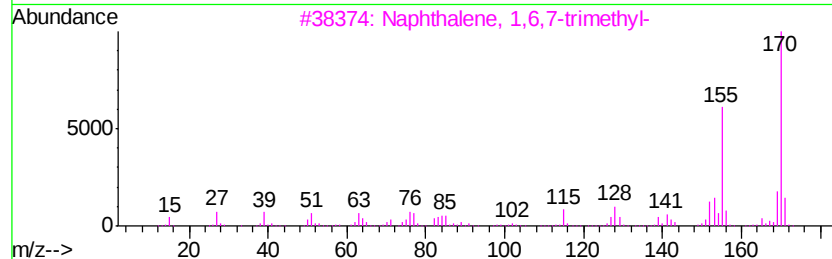
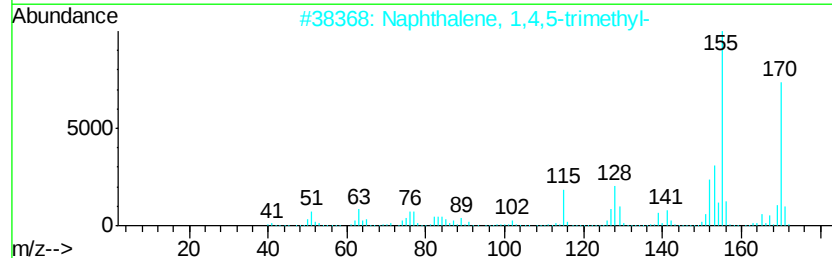
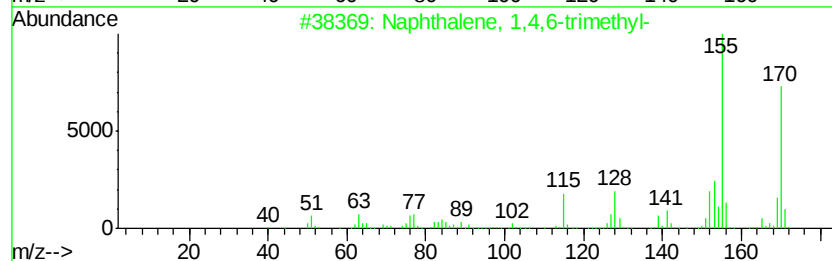
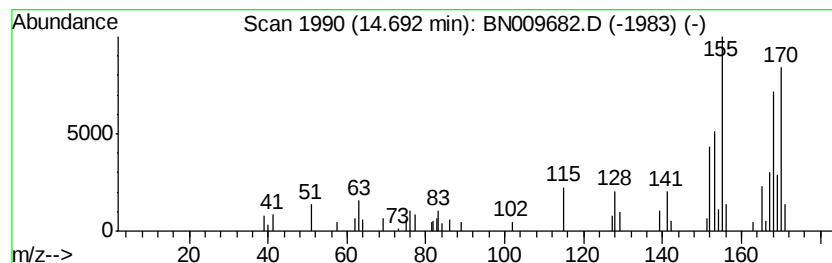
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 1,4,6-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2.24 ng/ul	99501	Acenaphthene-d10	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
2		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	60
5		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	55



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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
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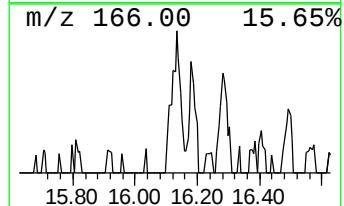
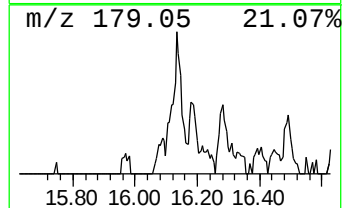
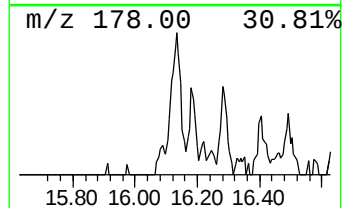
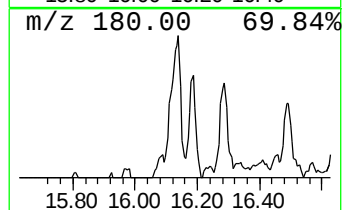
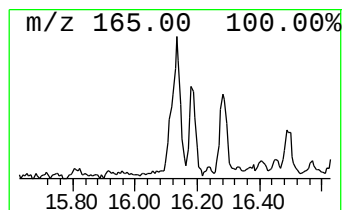
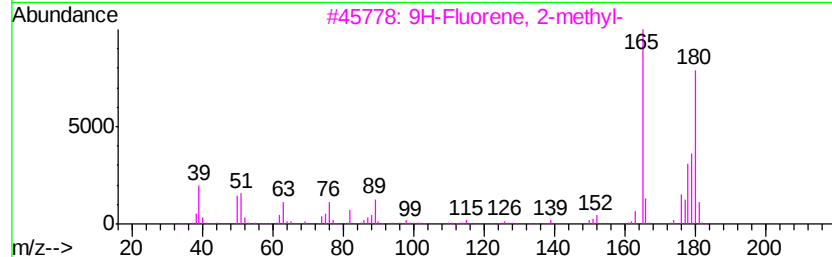
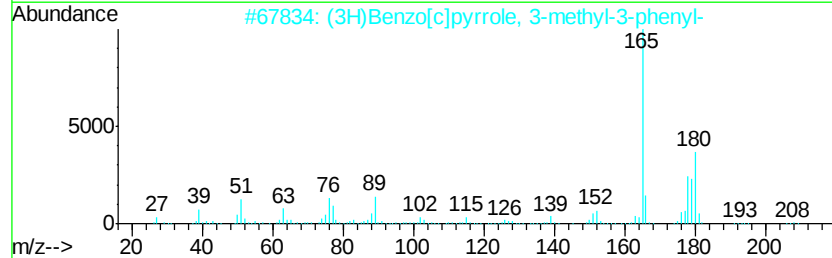
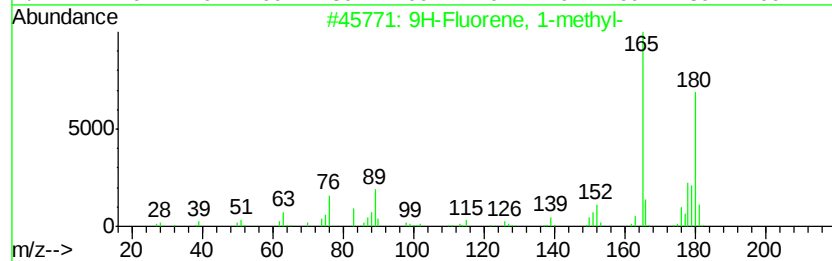
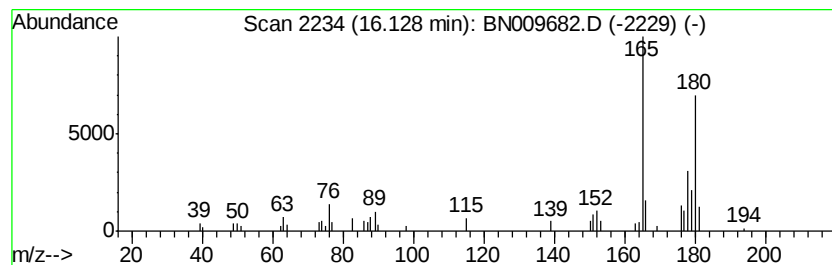
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	3.05 ng/ul	140507	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87
2		(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	86
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	81
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009682.D
Acq On : 10 Feb 2020 12:36
Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GAT60DL2

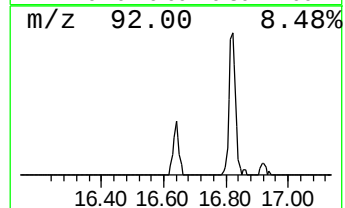
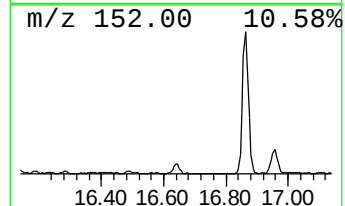
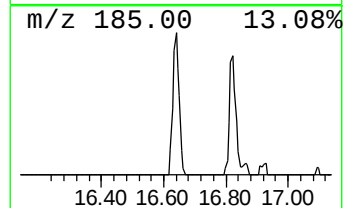
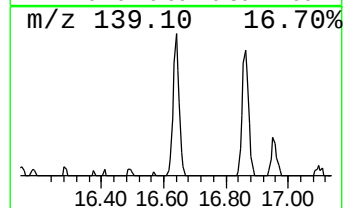
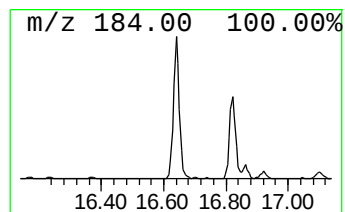
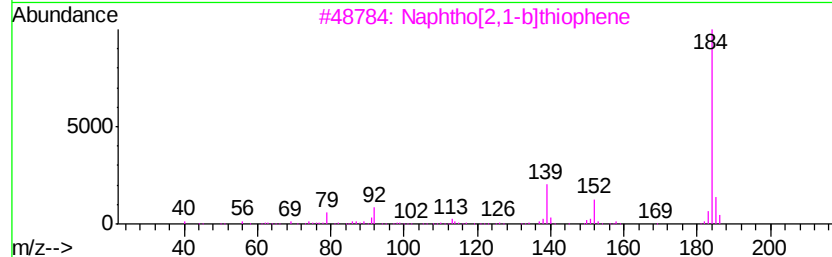
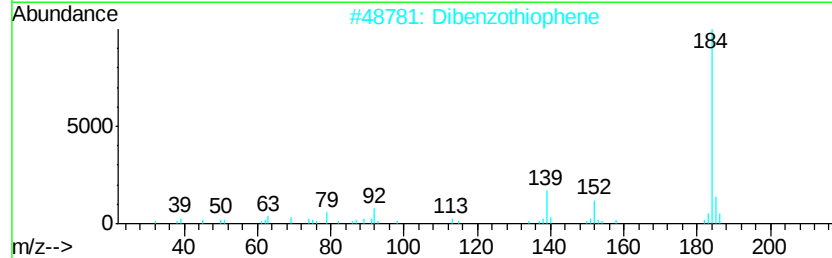
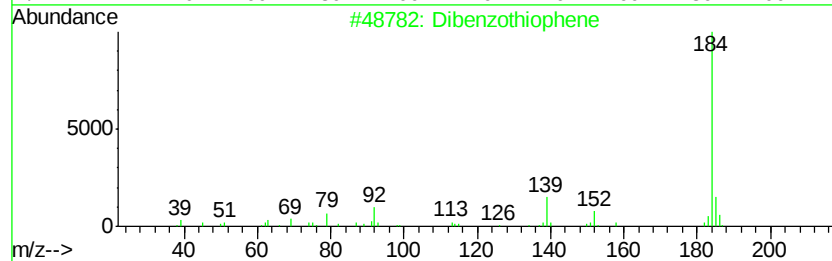
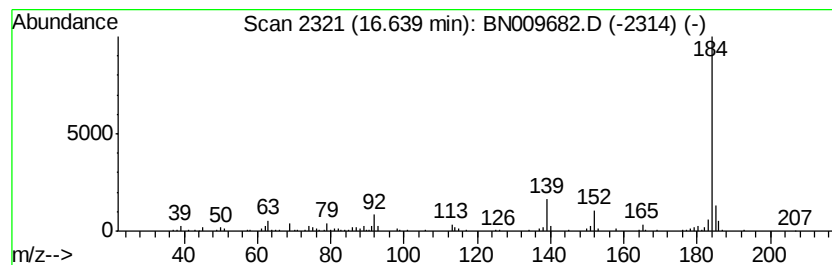
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	4.99 ng/ul	229967	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Dibenzothiophene	184	C12H8S	000132-65-0	96
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5		Dibenzothiophene	184	C12H8S	000132-65-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009682.D
Acq On : 10 Feb 2020 12:36
Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
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Instrument :
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ClientSampleId :
GAT60DL2

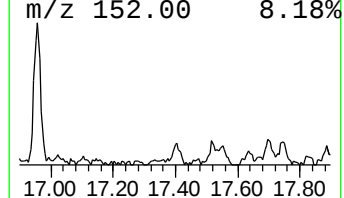
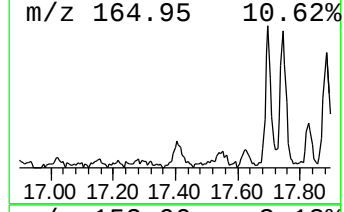
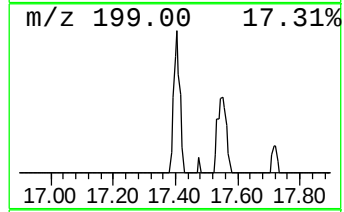
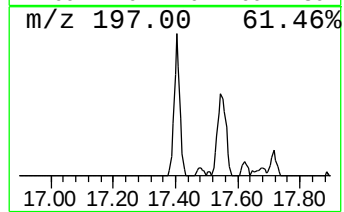
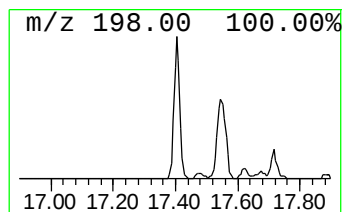
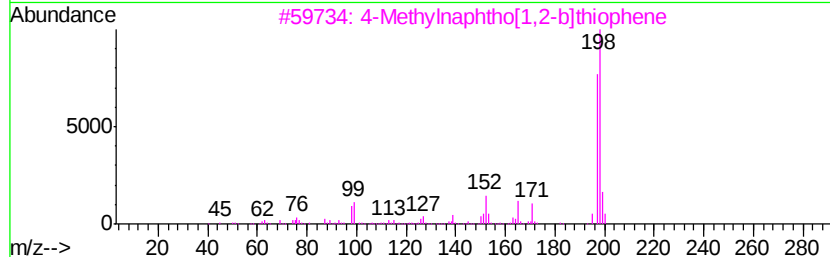
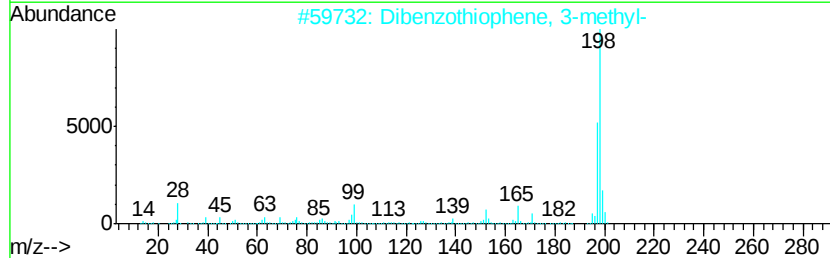
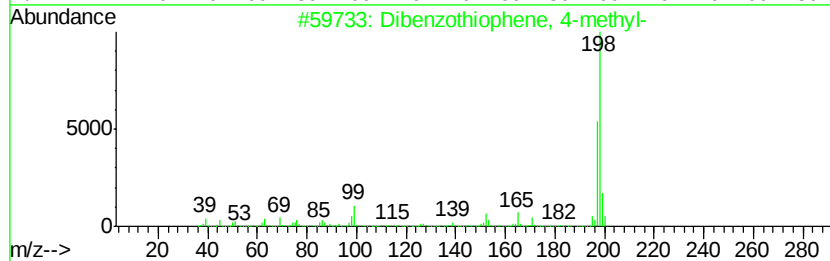
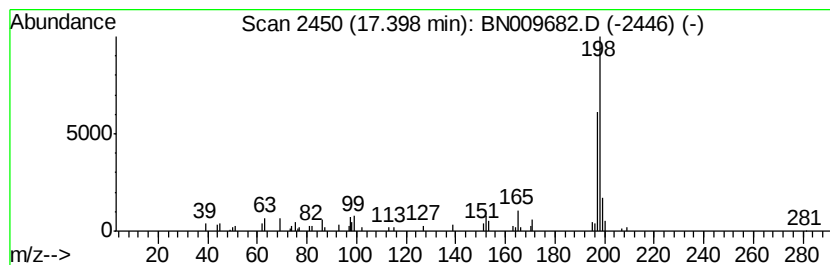
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Dibenzothiophene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.40	2.52 ng/ul	116041	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	97
2		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	95
3		4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	95
4		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009682.D
Acq On : 10 Feb 2020 12:36
Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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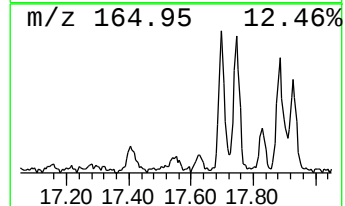
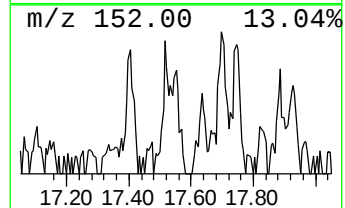
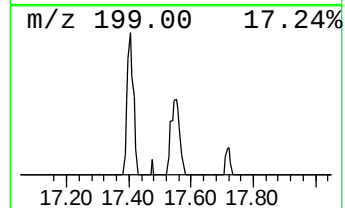
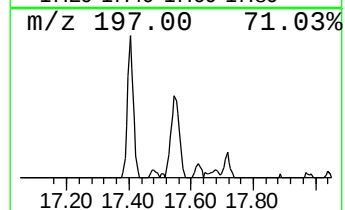
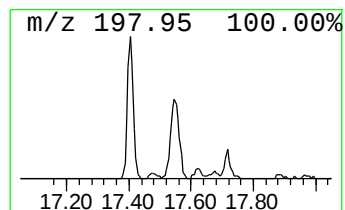
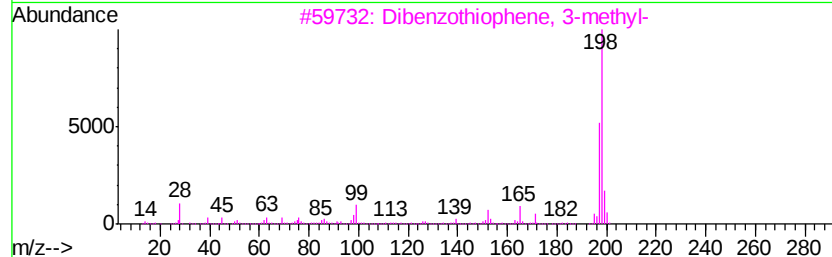
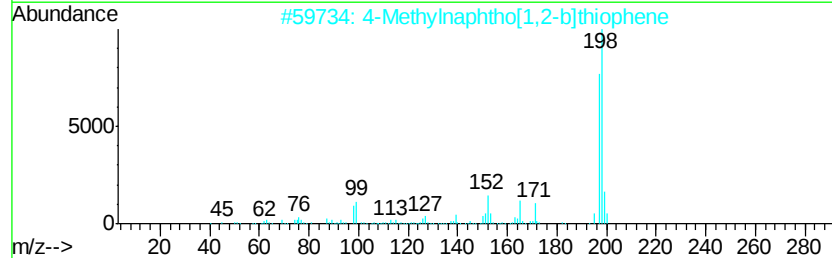
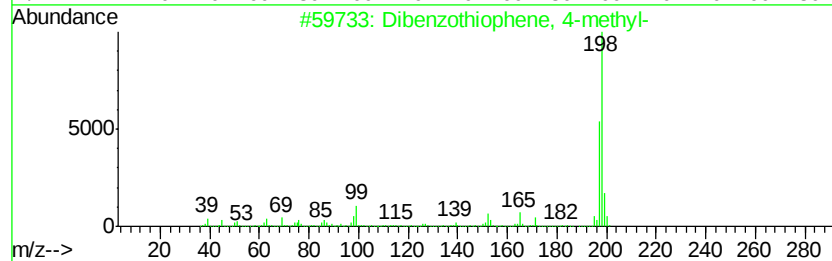
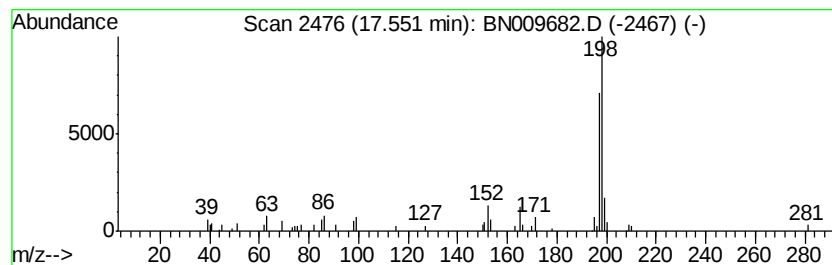
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.55	2.06 ng/ul	94831	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
2		4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
3		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
4		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	81
5		Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021020\
Data File : BN009682.D
Acq On : 10 Feb 2020 12:36
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Misc :
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Instrument :
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ClientSampleId :
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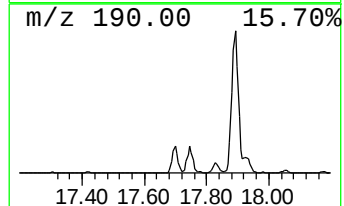
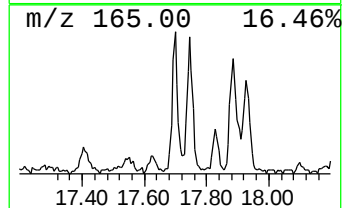
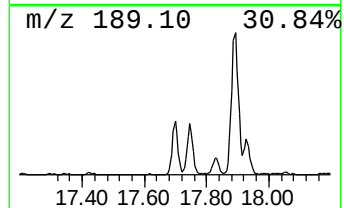
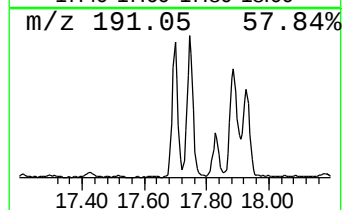
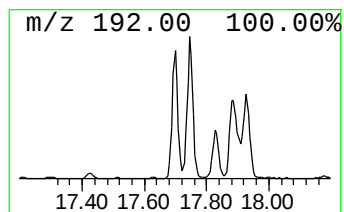
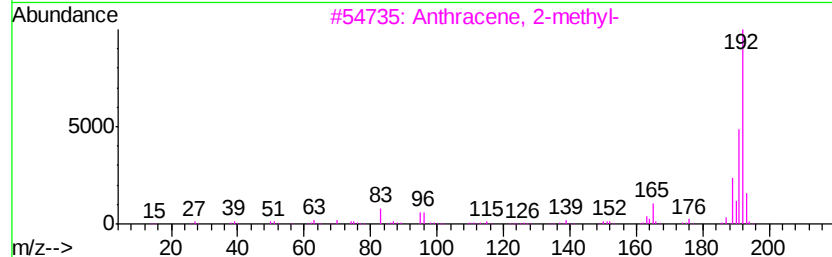
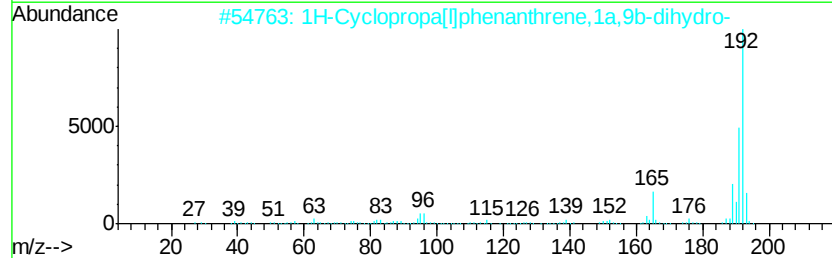
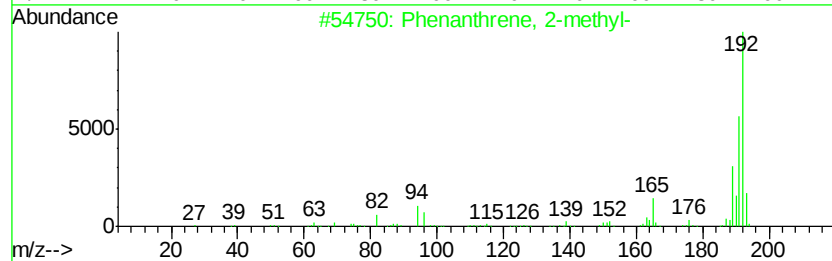
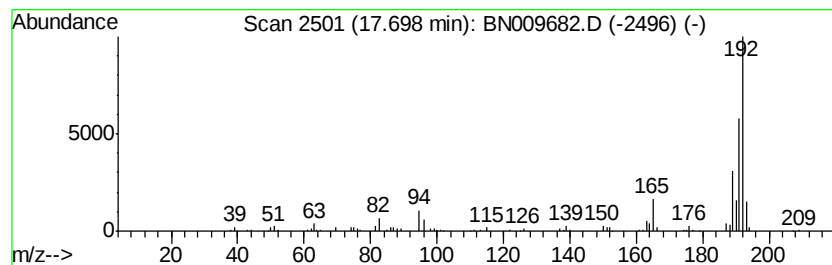
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	9.01 ng/ul	414933	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021020\
Data File : BN009682.D
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Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

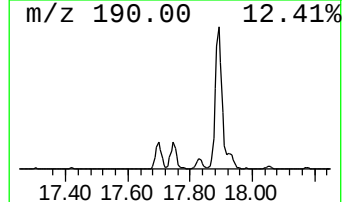
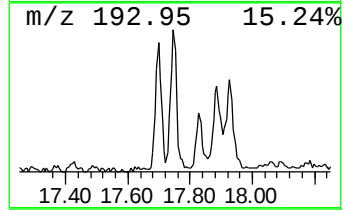
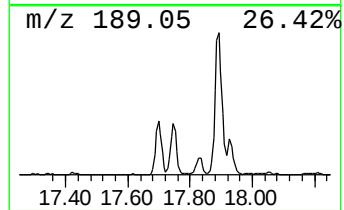
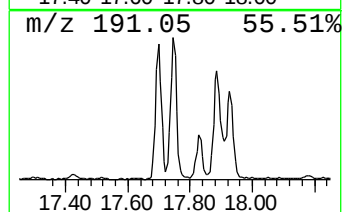
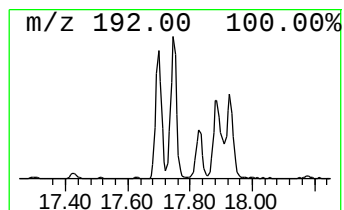
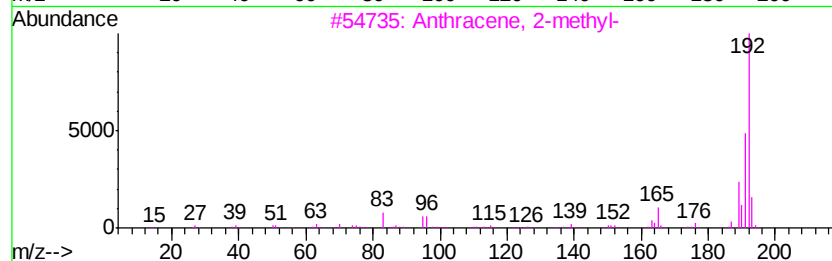
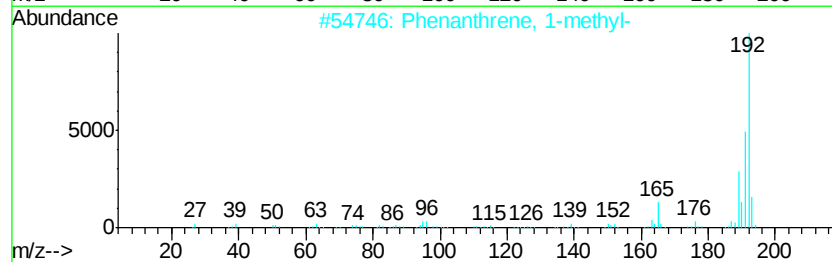
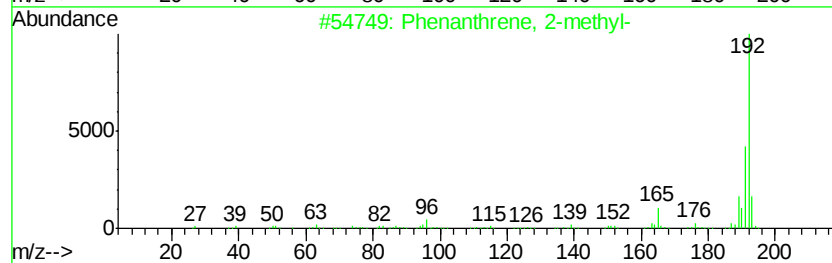
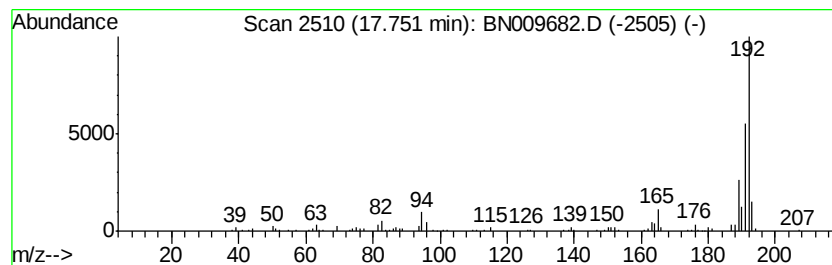
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.75	9.82 ng/ul	452481	Phenanthrene-d10	16.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
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ClientSampleId :
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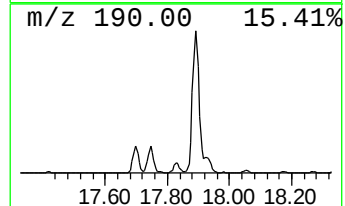
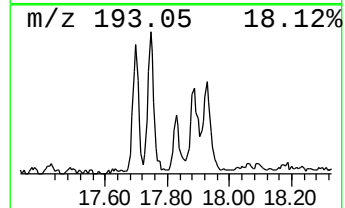
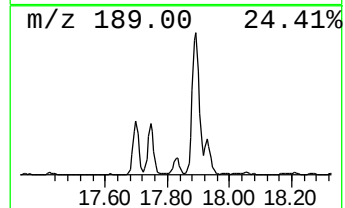
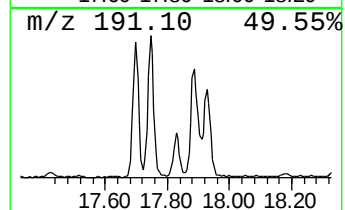
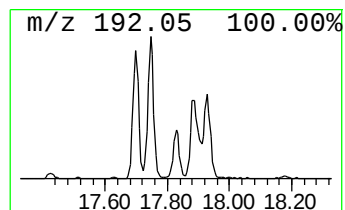
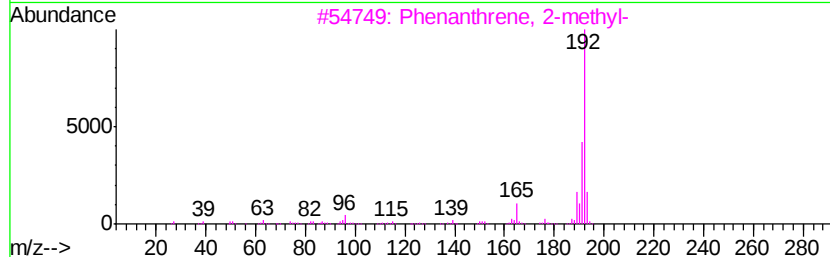
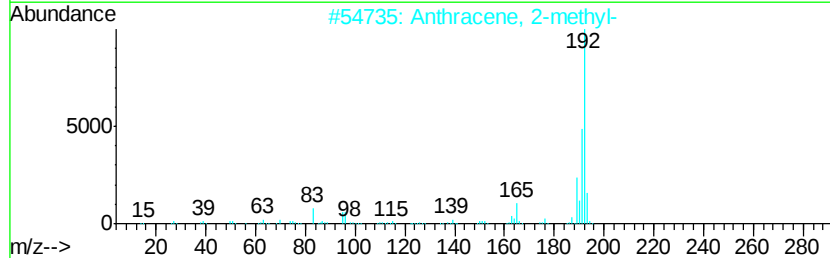
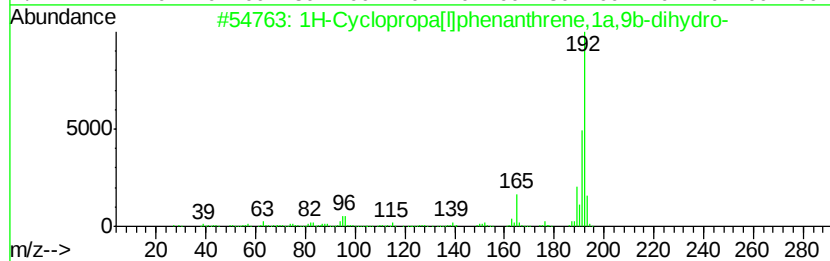
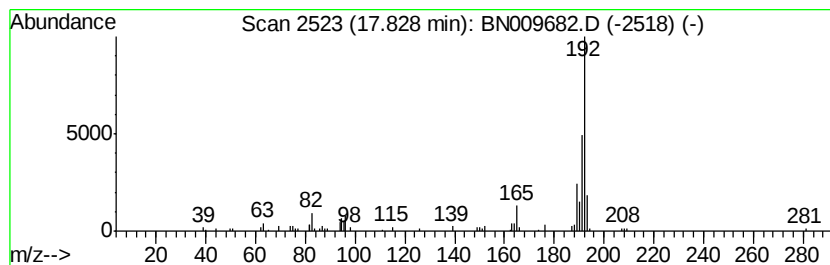
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	3.51 ng/ul	161878	Phenanthrene-d10	16.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009682.D
Acq On : 10 Feb 2020 12:36
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Sample : L1324-03DL2 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GAT60DL2

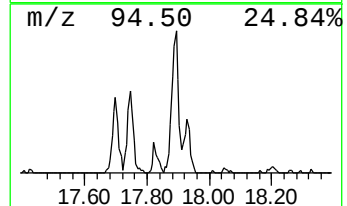
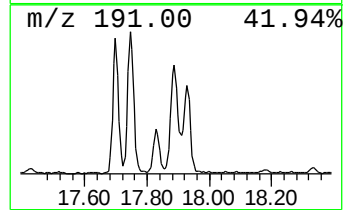
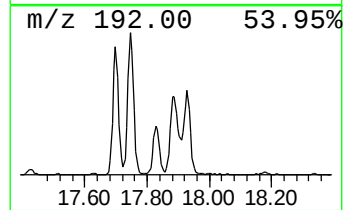
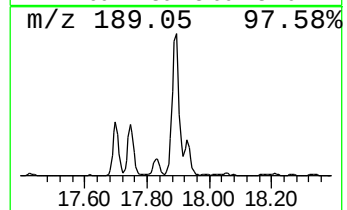
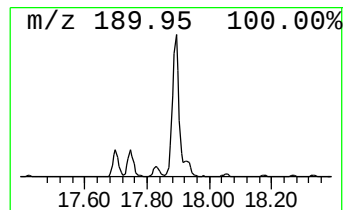
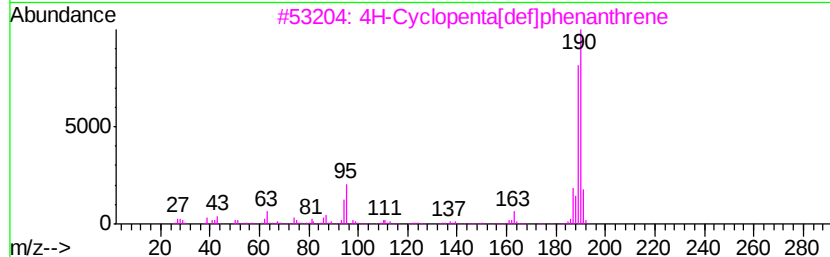
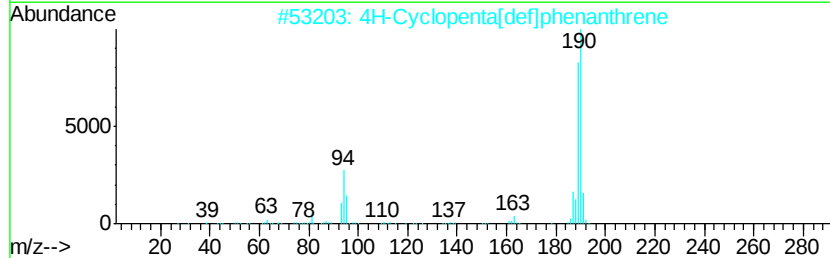
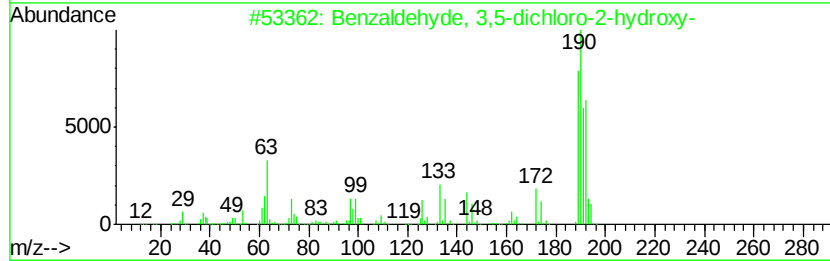
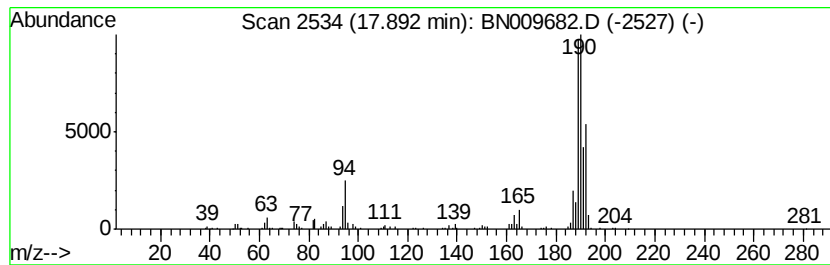
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	14.50 ng/ul	667918	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehydve, 3,5-dichloro-2-hvd...	190	C7H4Cl2O2	000090-60-8	80
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4		6H-Cyclobuta[fik]phenanthrene	190	C15H10	083469-43-6	49
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009682.D
Acq On : 10 Feb 2020 12:36
Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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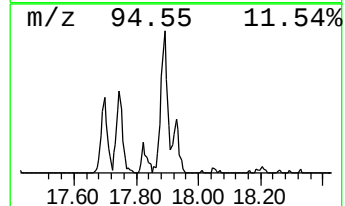
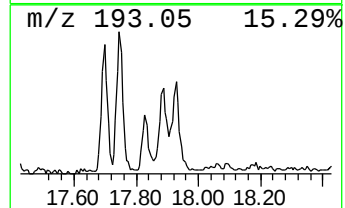
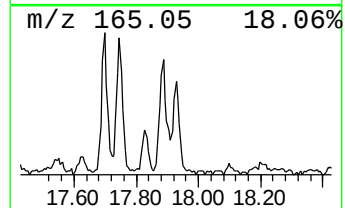
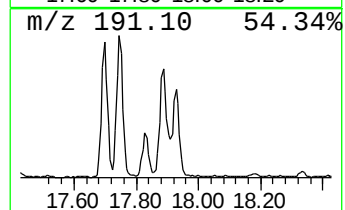
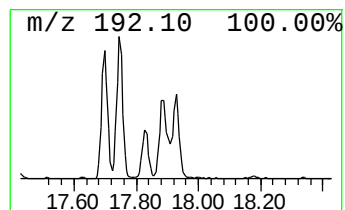
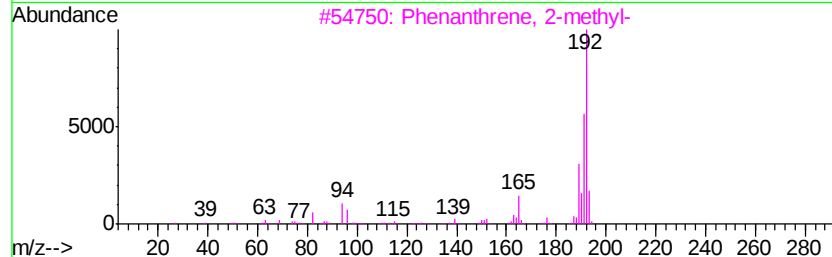
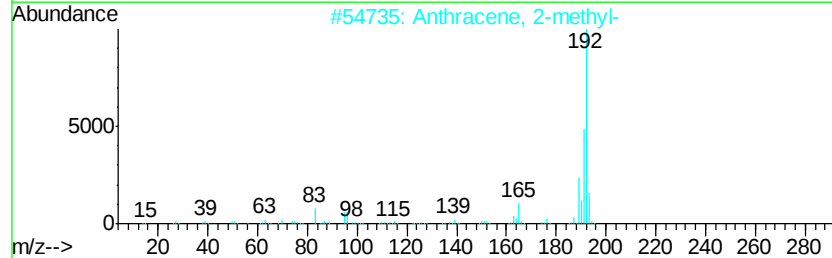
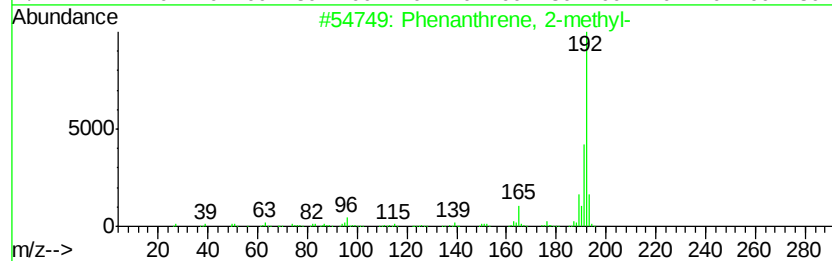
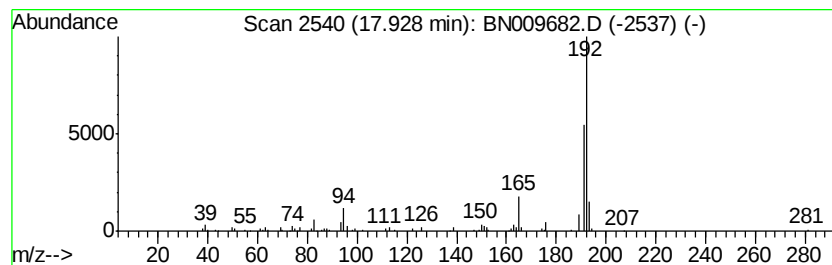
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	6.08 ng/ul	280185	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009682.D
Acq On : 10 Feb 2020 12:36
Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT60DL2

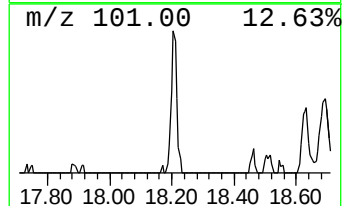
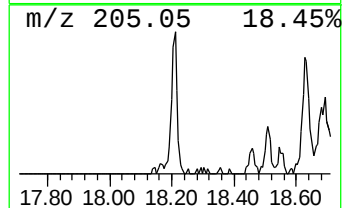
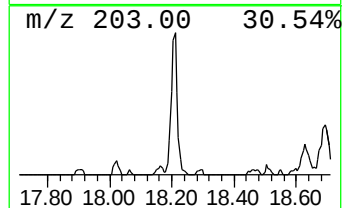
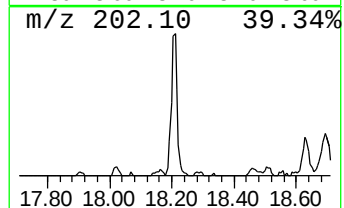
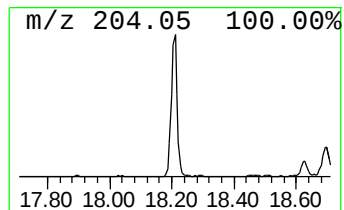
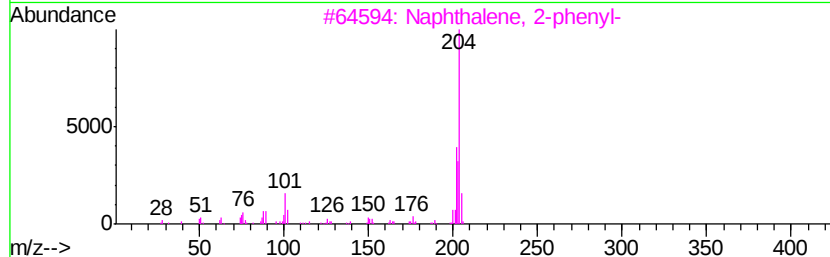
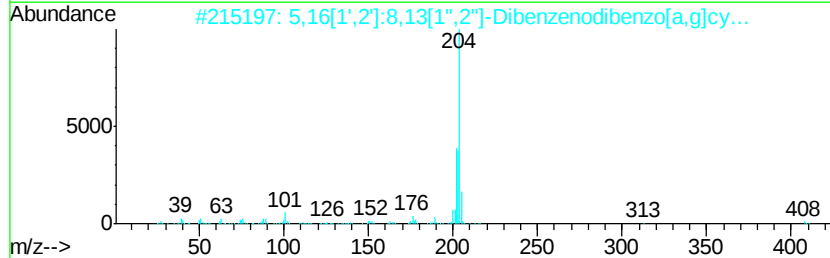
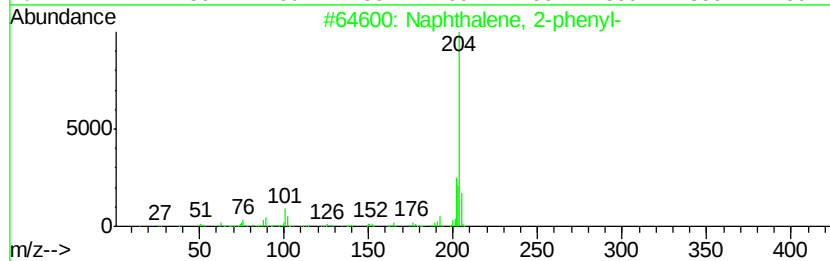
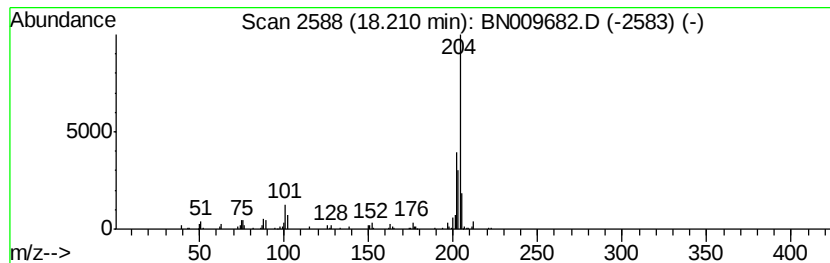
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	5.01 ng/ul	230989	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021020\
Data File : BN009682.D
Acq On : 10 Feb 2020 12:36
Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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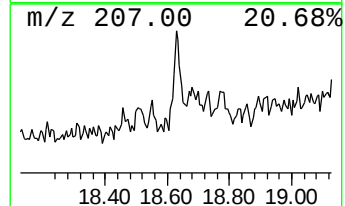
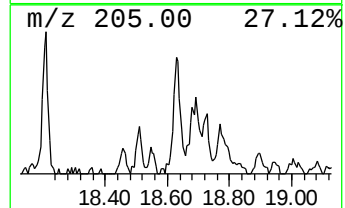
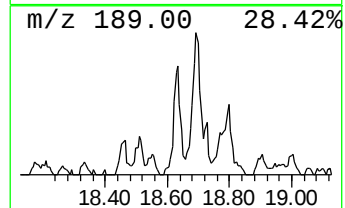
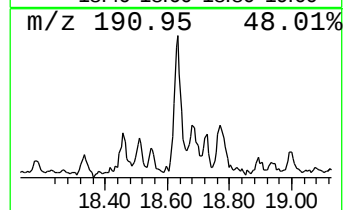
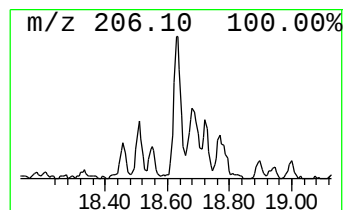
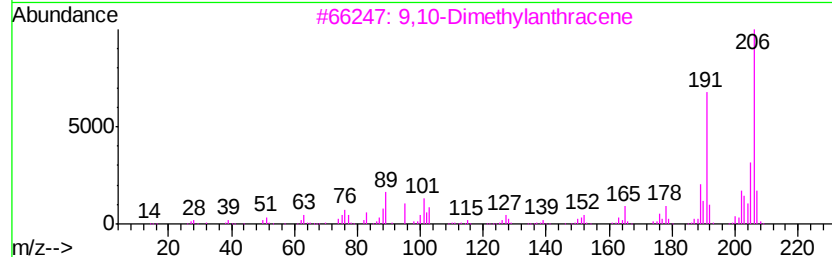
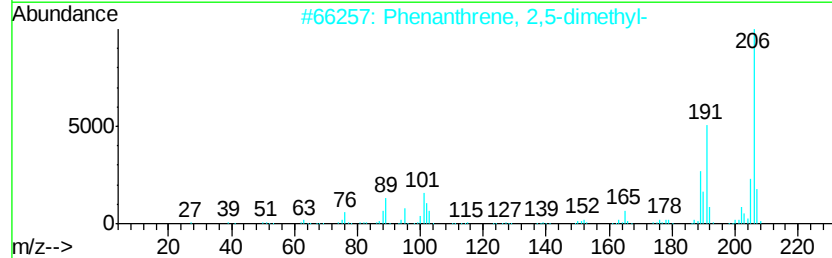
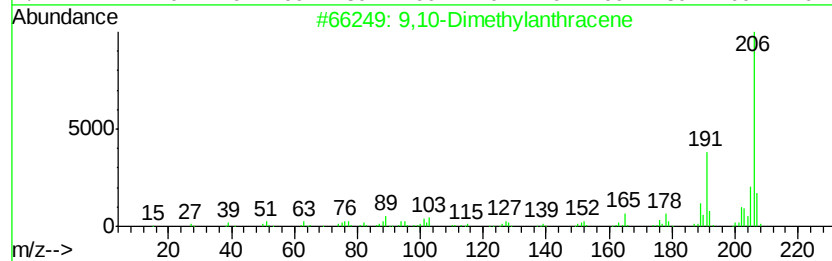
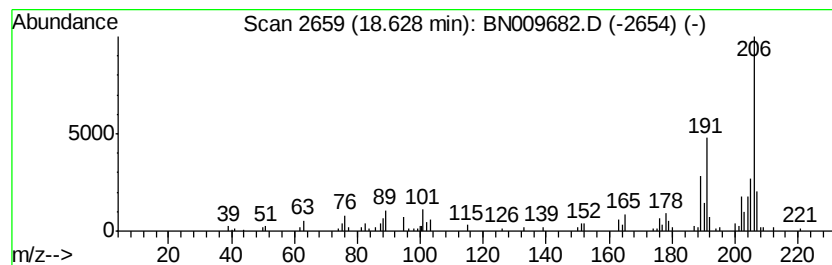
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 9,10-Dimethylantracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	4.42 ng/ul	203460	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	94
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021020\
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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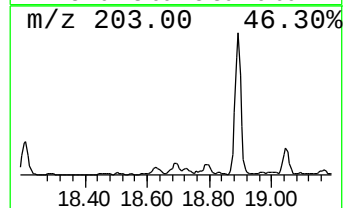
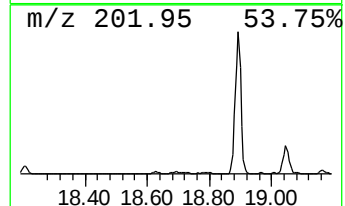
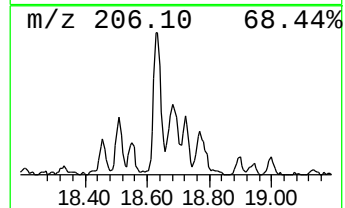
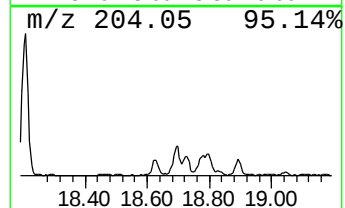
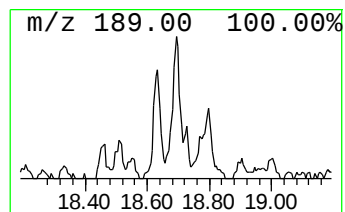
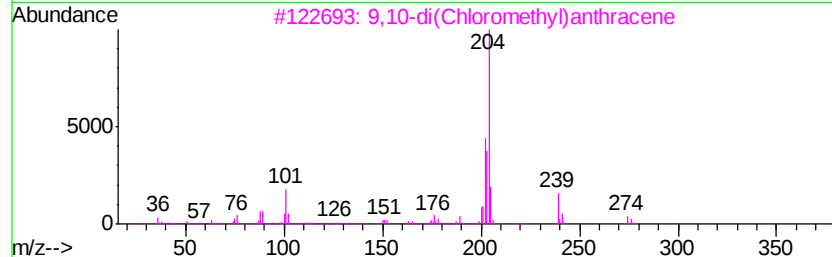
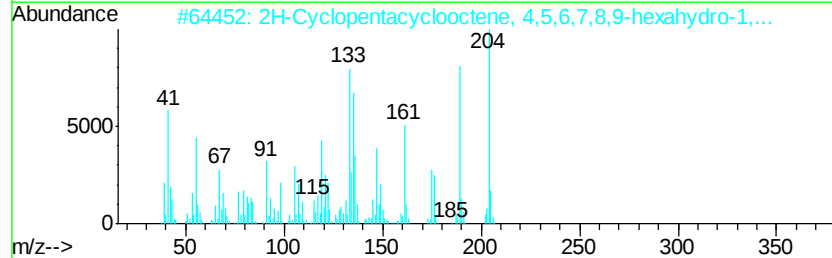
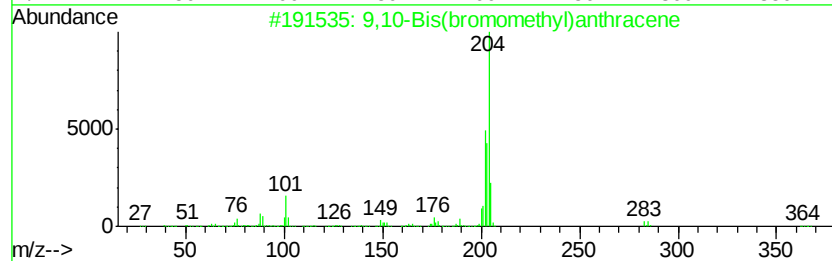
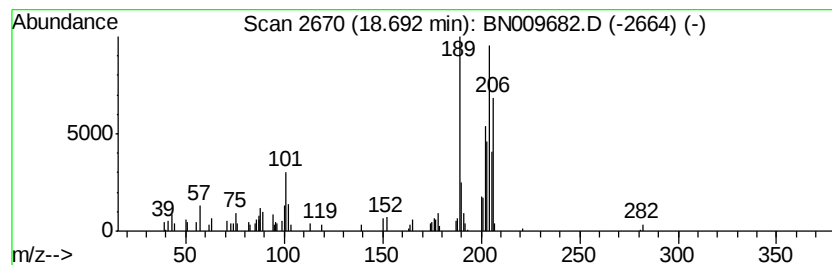
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	3.60 ng/ul	165667	Phenanthrene-d10	16.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2			2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	43
3			9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
4			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5			Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	30



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Misc :
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ClientSampleId :
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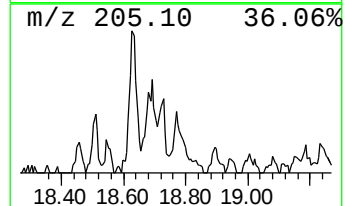
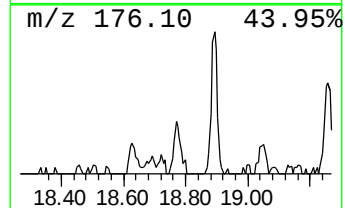
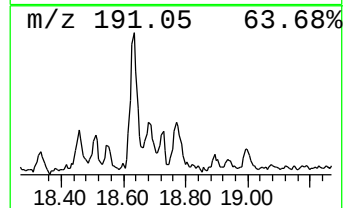
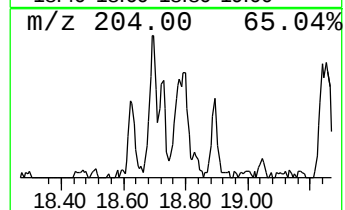
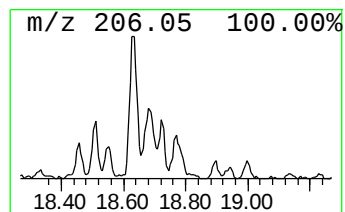
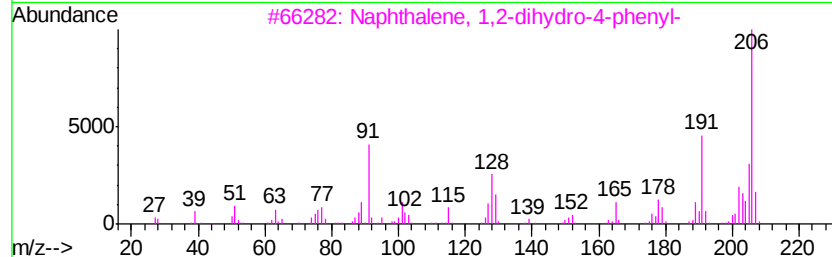
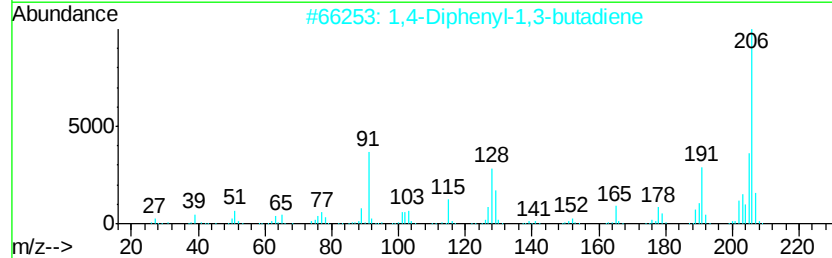
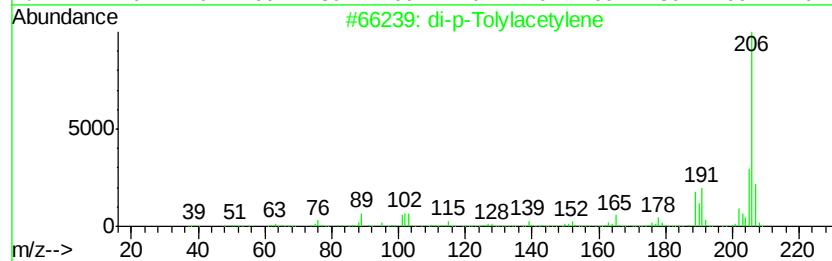
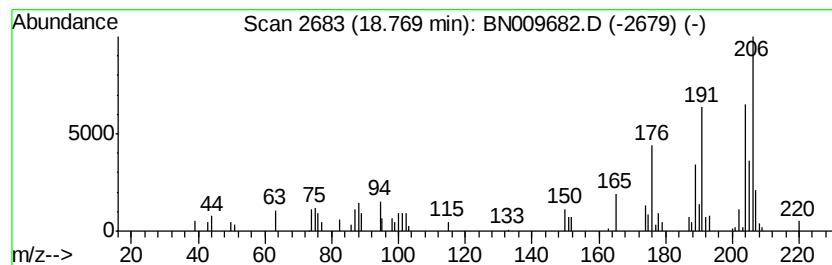
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 di-p-Tolylacetylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.70 ng/ul	124251	Phenanthrene-d10	16.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
2		1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	53
3		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	52
4		1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	52
5		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009682.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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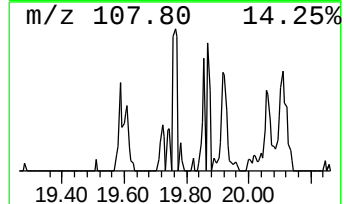
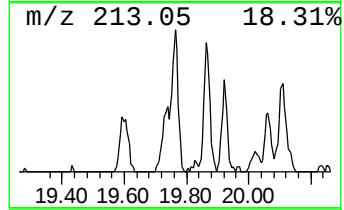
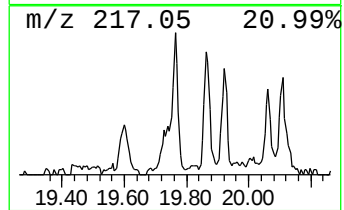
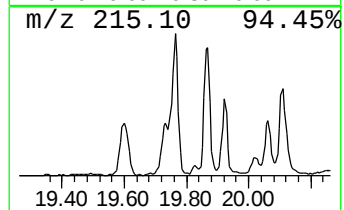
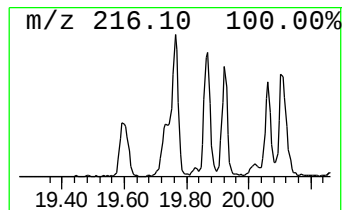
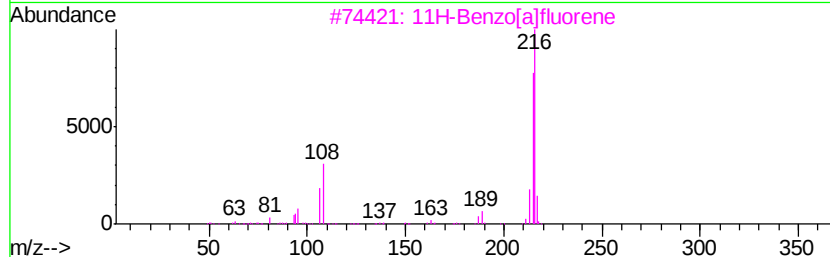
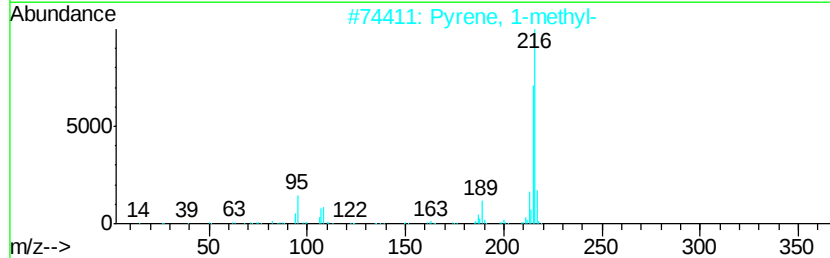
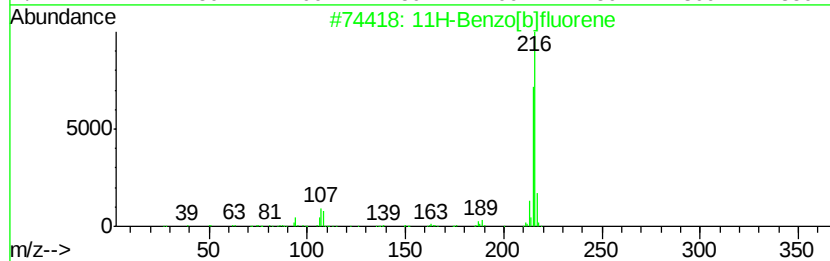
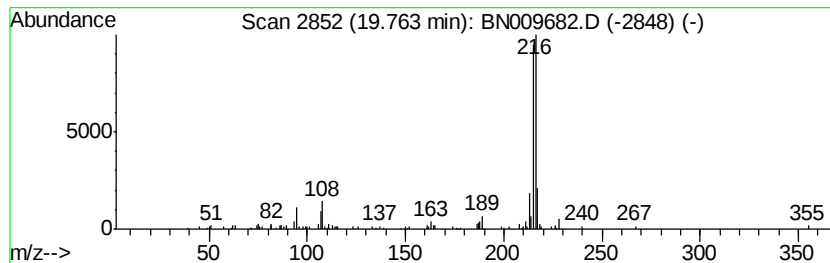
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	3.06 ng/ul	277001	Chrysene-d12	21.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009682.D
Acq On : 10 Feb 2020 12:36
Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

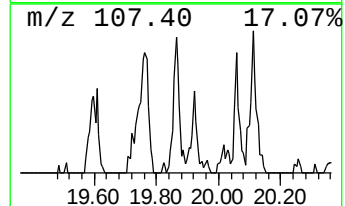
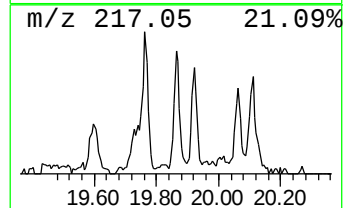
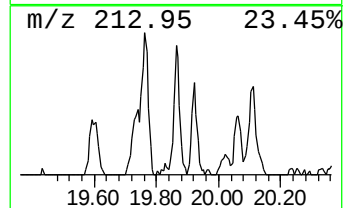
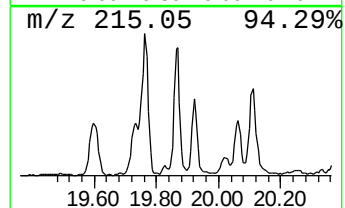
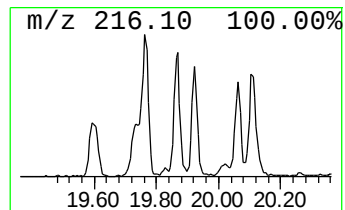
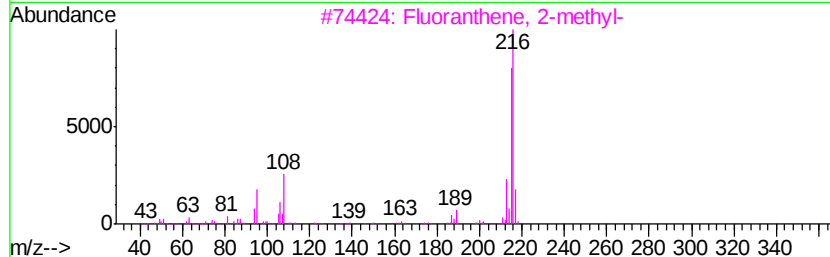
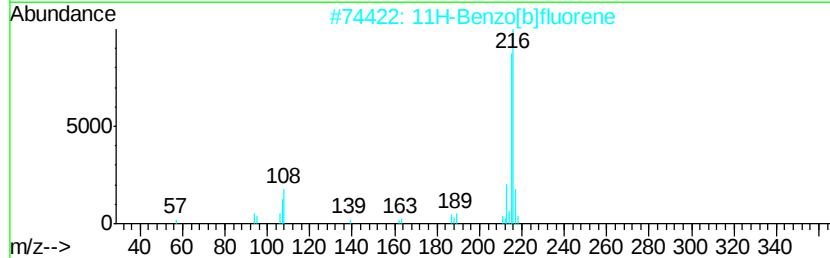
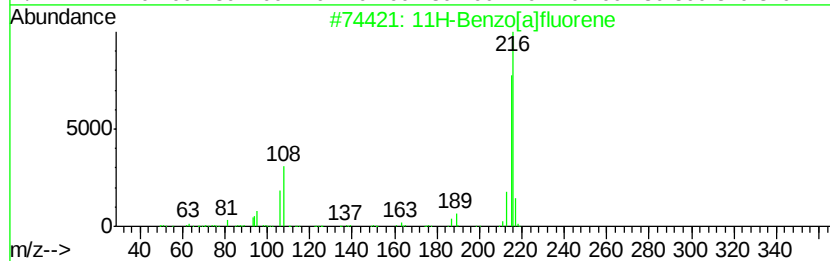
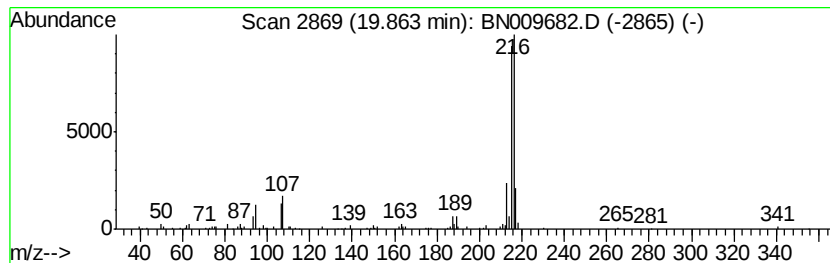
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 11H-Benzo[a]fluorene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	2.21 ng/ul	199313	Chrysene-d12	21.03
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 87
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 87
3		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 87
4		Pyrene, 1-methyl-	216 C17H12	002381-21-7 87
5		Pyrene, 1-methyl-	216 C17H12	002381-21-7 83



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021020\
Data File : BN009682.D
Acq On : 10 Feb 2020 12:36
Operator : CG/JU
Sample : L1324-03DL2 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT60DL2

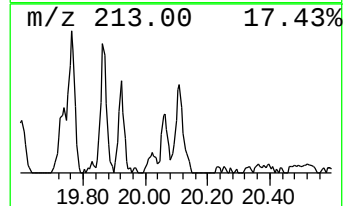
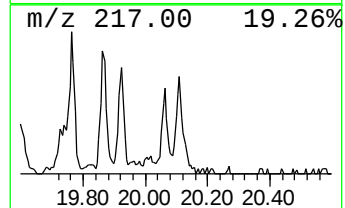
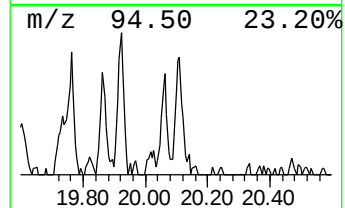
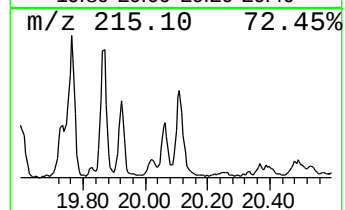
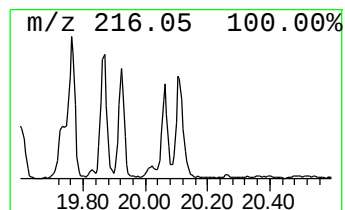
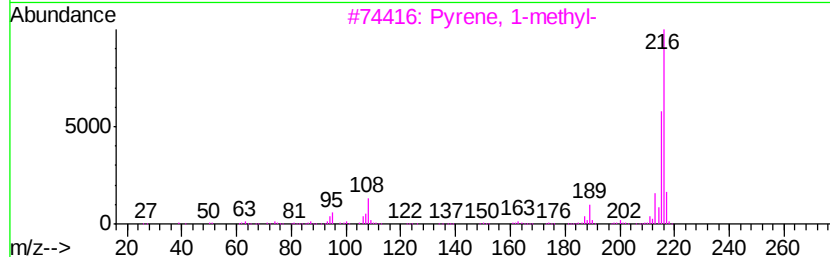
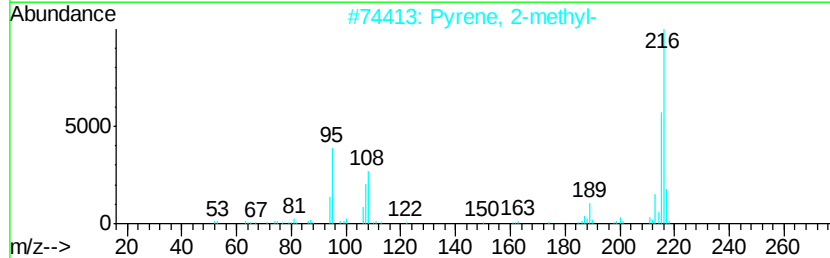
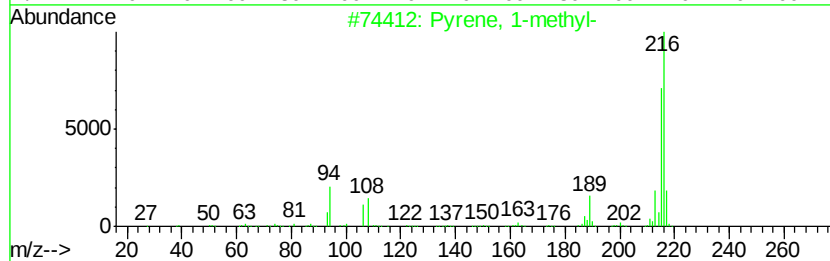
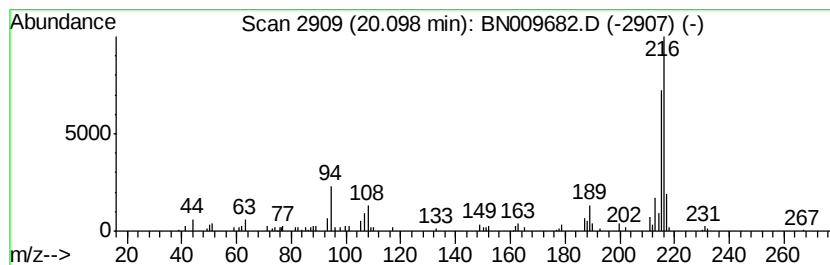
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.42 ng/ul	218279	Chrysene-d12	21.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	98
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021020\
 Data File : BN009682.D
 Acq On : 10 Feb 2020 12:36
 Operator : CG/JU
 Sample : L1324-03DL2 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAT60DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1,3-Cyclopentadie...	7.09	3.5	ng/ul	73218	1	7.43	418142	20.0
Benzene, 1-propynyl-	7.95	5.8	ng/ul	121425	1	7.43	418142	20.0
Cycloprop[a]inden...	9.62	2.3	ng/ul	74403	2	10.18	647634	20.0
Naphthalene, 1-me...	12.08	23.9	ng/ul	772936	2	10.18	647634	20.0
Naphthalene, 2,6-...	13.22	3.9	ng/ul	171245	3	14.06	887698	20.0
Naphthalene, 2,3-...	13.38	8.3	ng/ul	368675	3	14.06	887698	20.0
Naphthalene, 1,6-...	13.44	4.3	ng/ul	190965	3	14.06	887698	20.0
Naphthalene, 1,4-...	13.62	3.4	ng/ul	152205	3	14.06	887698	20.0
Naphthalene, 1,4,...	14.69	2.2	ng/ul	99501	3	14.06	887698	20.0
9H-Fluorene, 1-me...	16.13	3.0	ng/ul	140507	4	16.82	921281	20.0
Dibenzothiophene	16.64	5.0	ng/ul	229967	4	16.82	921281	20.0
Dibenzothiophene,...	17.40	2.5	ng/ul	116041	4	16.82	921281	20.0
4-Methylnaphtho[1...	17.55	2.1	ng/ul	94831	4	16.82	921281	20.0
Phenanthrene, 2-m...	17.70	9.0	ng/ul	414933	4	16.82	921281	20.0
Phenanthrene, 1-m...	17.75	9.8	ng/ul	452481	4	16.82	921281	20.0
1H-Cyclopropa[l]p...	17.83	3.5	ng/ul	161878	4	16.82	921281	20.0
Benzaldehyde, 3,5...	17.89	14.5	ng/ul	667918	4	16.82	921281	20.0
Anthracene, 2-met...	17.93	6.1	ng/ul	280185	4	16.82	921281	20.0
Naphthalene, 2-ph...	18.21	5.0	ng/ul	230989	4	16.82	921281	20.0
9,10-Dimethylanthe...	18.63	4.4	ng/ul	203460	4	16.82	921281	20.0
unknown-01	18.69	3.6	ng/ul	165667	4	16.82	921281	20.0
di-p-Tolylacetylene	18.77	2.7	ng/ul	124251	4	16.82	921281	20.0
11H-Benzo[b]fluorene	19.76	3.1	ng/ul	277001	5	21.03	1807650	20.0
11H-Benzo[a]fluorene	19.86	2.2	ng/ul	199313	5	21.03	1807650	20.0
Pyrene, 1-methyl-	20.10	2.4	ng/ul	218279	5	21.03	1807650	20.0