

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
 Data File : BM023262.D
 Acq On : 18 Oct 2019 17:49
 Operator : JU
 Sample : K5345-05DL 300X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETOJ8DL

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_M\METHODS\SOM-EPA-BM101419MA.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	7.316	730	736	741	rVB2	21237	33682	0.34%	0.042%
2	7.657	787	794	806	rBV	1391261	2199574	22.02%	2.747%
3	8.028	853	857	862	rBV2	18698	29882	0.30%	0.037%
4	8.192	881	885	891	rVB2	17037	29495	0.30%	0.037%
5	10.439	1259	1267	1271	rBV	1734998	3025021	30.28%	3.778%
6	10.486	1271	1275	1285	rVV	1411782	2282027	22.85%	2.850%
7	10.604	1288	1295	1304	rVB	56789	109743	1.10%	0.137%
8	12.110	1542	1551	1558	rBV	594547	967627	9.69%	1.209%
9	12.227	1565	1571	1579	rBV9	17588	44738	0.45%	0.056%
10	12.327	1583	1588	1595	rVB	322584	512569	5.13%	0.640%
11	13.133	1718	1725	1731	rBV	174901	258824	2.59%	0.323%
12	13.333	1754	1759	1767	rVB	81193	150166	1.50%	0.188%
13	13.463	1773	1781	1784	rBV2	125073	237602	2.38%	0.297%
14	13.627	1800	1809	1813	rBV	198484	368443	3.69%	0.460%
15	13.680	1813	1818	1829	rVB	139166	230944	2.31%	0.288%
16	13.863	1841	1849	1852	rBV2	88418	145425	1.46%	0.182%
17	13.886	1852	1853	1858	rVB3	33846	42987	0.43%	0.054%
18	14.021	1868	1876	1884	rBV2	105645	187391	1.88%	0.234%
19	14.304	1916	1924	1929	rVV2	2597248	4016325	40.21%	5.016%
20	14.363	1929	1934	1942	rVV	1711258	2616979	26.20%	3.268%
21	14.427	1942	1945	1952	rVV	65340	103958	1.04%	0.130%
22	14.515	1953	1960	1965	rVV5	32556	69759	0.70%	0.087%
23	14.615	1968	1977	1982	rVB2	83821	142267	1.42%	0.178%
24	14.704	1982	1992	1999	rBV	1262750	1854665	18.57%	2.316%
25	14.786	2002	2006	2010	rBV2	61717	83488	0.84%	0.104%
26	14.927	2022	2030	2035	rBV2	48040	90158	0.90%	0.113%
27	14.986	2035	2040	2045	rVB2	55540	77367	0.77%	0.097%
28	15.104	2051	2060	2062	rBV5	41132	83065	0.83%	0.104%
29	15.133	2062	2065	2070	rVV5	36664	58833	0.59%	0.073%
30	15.245	2080	2084	2088	rBV5	23792	43175	0.43%	0.054%
31	15.292	2088	2092	2096	rVV2	41617	70540	0.71%	0.088%
32	15.351	2096	2102	2108	rVV	1807828	2564991	25.68%	3.204%
33	15.392	2108	2109	2114	rVV4	25773	32680	0.33%	0.041%
34	15.451	2114	2119	2121	rVV	77612	119989	1.20%	0.150%

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Integrator: RTE
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35	15.480	2121	2124	2127	rVV	116211	172232	1.72%	0.215%
36	15.515	2127	2130	2135	rVV	220495	313215	3.14%	0.391%
37	15.568	2135	2139	2141	rVV2	55350	82020	0.82%	0.102%
38	15.604	2141	2145	2149	rVV	106674	167084	1.67%	0.209%
39	15.651	2149	2153	2164	rVV	284914	408670	4.09%	0.510%
40	15.798	2169	2178	2186	rVV	290461	623695	6.24%	0.779%
41	15.886	2186	2193	2199	rVB4	56351	120740	1.21%	0.151%
42	16.039	2215	2219	2225	rVB7	20953	40045	0.40%	0.050%
43	16.145	2232	2237	2245	rBV	108461	184245	1.84%	0.230%
44	16.357	2261	2273	2278	rBV2	191745	453080	4.54%	0.566%
45	16.404	2278	2281	2287	rVV	81358	122412	1.23%	0.153%
46	16.462	2288	2291	2293	rVV4	23968	32726	0.33%	0.041%
47	16.509	2293	2299	2304	rVB2	86958	154413	1.55%	0.193%
48	16.562	2304	2308	2310	rBV2	37847	50337	0.50%	0.063%
49	16.592	2310	2313	2316	rVV	79547	106015	1.06%	0.132%
50	16.633	2316	2320	2323	rVV4	77860	122434	1.23%	0.153%
51	16.662	2323	2325	2328	rVV	29104	32236	0.32%	0.040%
52	16.715	2330	2334	2342	rVB7	28010	50057	0.50%	0.063%
53	16.798	2342	2348	2353	rBV4	104882	269461	2.70%	0.337%
54	16.862	2354	2359	2365	rVB	411181	587696	5.88%	0.734%
55	17.045	2383	2390	2394	rBV2	3092778	4744225	47.50%	5.925%
56	17.092	2394	2398	2404	rVV	7080690	9988647	100.00%	12.475%
57	17.180	2408	2413	2418	rVV	707377	1007919	10.09%	1.259%
58	17.239	2418	2423	2430	rVB	161420	259049	2.59%	0.324%
59	17.445	2453	2458	2463	rVB	334340	456994	4.58%	0.571%
60	17.503	2464	2468	2471	rBV3	31348	39355	0.39%	0.049%
61	17.574	2476	2480	2487	rVV2	92582	162292	1.62%	0.203%
62	17.633	2487	2490	2498	rVB4	40044	74106	0.74%	0.093%
63	17.768	2509	2513	2518	rBV4	46656	92428	0.93%	0.115%
64	17.921	2534	2539	2543	rVV	432727	656748	6.57%	0.820%
65	17.968	2543	2547	2555	rVB	630824	941582	9.43%	1.176%
66	18.051	2555	2561	2566	rBV	180912	302147	3.02%	0.377%
67	18.115	2566	2572	2577	rVV2	879496	1503687	15.05%	1.878%
68	18.151	2577	2578	2583	rVV	235686	254240	2.55%	0.318%
69	18.221	2587	2590	2595	rBV3	36211	53893	0.54%	0.067%
70	18.268	2595	2598	2601	rVB2	39274	43958	0.44%	0.055%
71	18.362	2611	2614	2617	rBV3	29883	38889	0.39%	0.049%

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72	18.427	2621	2625	2629	rVV	330590	459743	4.60%	0.574%
73	18.462	2629	2631	2636	rVB	65625	73900	0.74%	0.092%
74	18.556	2643	2647	2652	rBV3	33951	51260	0.51%	0.064%
75	18.680	2664	2668	2672	rVB3	75952	99513	1.00%	0.124%
76	18.727	2673	2676	2679	rVV	60484	73251	0.73%	0.091%
77	18.768	2679	2683	2686	rVB3	53546	65532	0.66%	0.082%
78	18.850	2692	2697	2702	rBV2	130612	223201	2.23%	0.279%
79	18.915	2703	2708	2711	rBV4	86730	134912	1.35%	0.168%
80	18.986	2717	2720	2723	rBV3	51916	78834	0.79%	0.098%
81	19.109	2735	2741	2747	rBV	5226420	6759152	67.67%	8.442%
82	19.209	2756	2758	2762	rVB2	51198	52258	0.52%	0.065%
83	19.350	2779	2782	2788	rVB	139351	196156	1.96%	0.245%
84	19.474	2793	2803	2807	rBV2	3216557	5703731	57.10%	7.124%
85	19.550	2812	2816	2823	rVB3	150163	234681	2.35%	0.293%
86	19.656	2830	2834	2840	rBV	181284	248810	2.49%	0.311%
87	19.715	2841	2844	2850	rVB	99907	146536	1.47%	0.183%
88	19.809	2853	2860	2864	rBV4	171480	444258	4.45%	0.555%
89	19.939	2879	2882	2883	rBV2	94333	108784	1.09%	0.136%
90	19.974	2884	2888	2892	rVB	635218	801954	8.03%	1.002%
91	20.074	2901	2905	2909	rBV	640079	835834	8.37%	1.044%
92	20.127	2910	2914	2918	rVV2	206685	317272	3.18%	0.396%
93	20.268	2936	2938	2942	rVB2	79469	80857	0.81%	0.101%
94	20.315	2943	2946	2951	rBV2	106425	166850	1.67%	0.208%
95	20.886	3040	3043	3046	rBV	165273	195521	1.96%	0.244%
96	20.927	3047	3050	3053	rVV	170698	196258	1.96%	0.245%
97	21.239	3097	3103	3107	rBV2	4801211	7298422	73.07%	9.115%
98	21.274	3107	3109	3116	rVB	867060	1007509	10.09%	1.258%
99	22.791	3363	3367	3371	rBV	443844	868830	8.70%	1.085%
100	23.450	3473	3479	3486	rVB	3037796	5546638	55.53%	6.927%

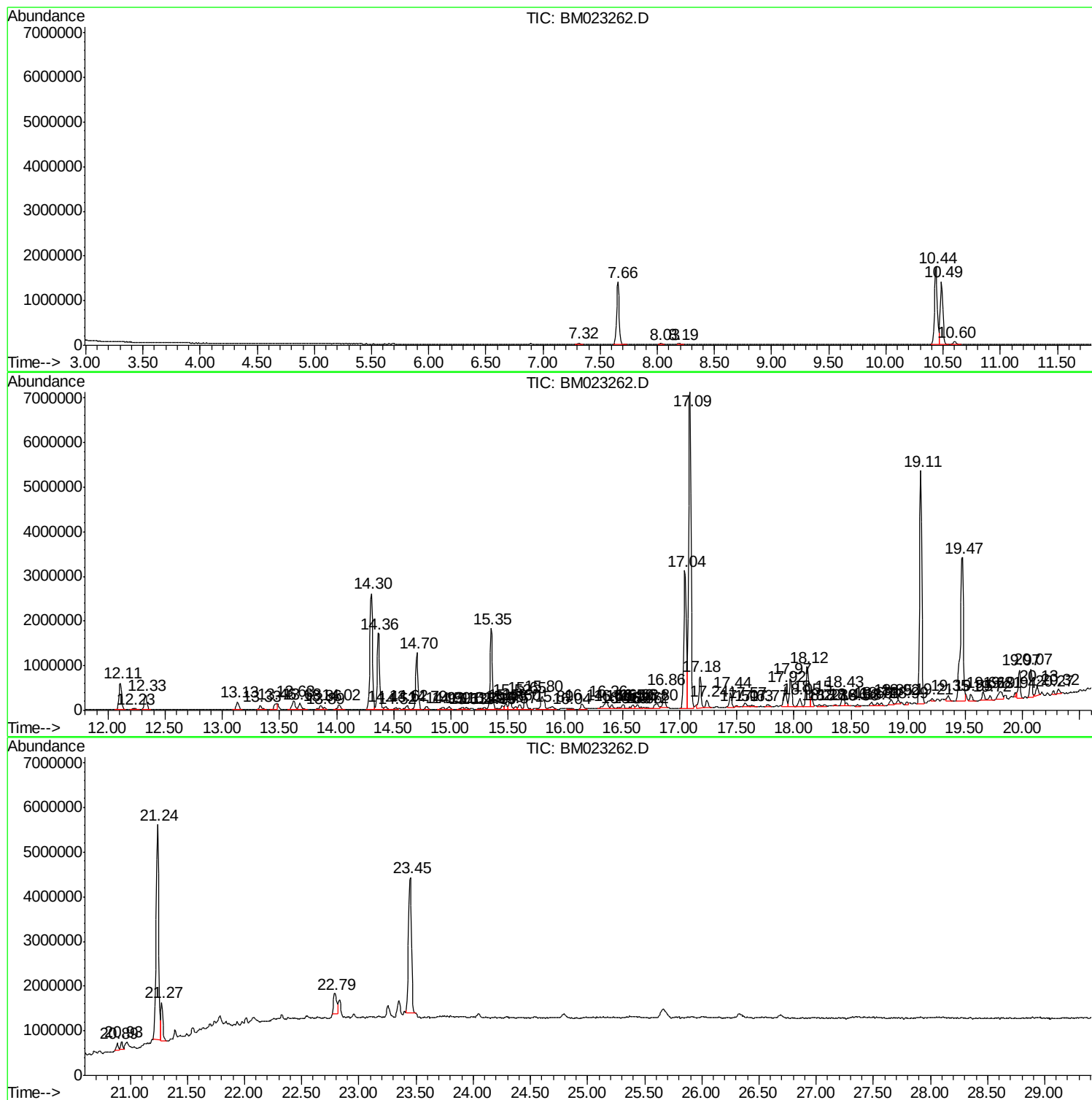
Sum of corrected areas: 80067808

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ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
ETOJ8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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



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Instrument :
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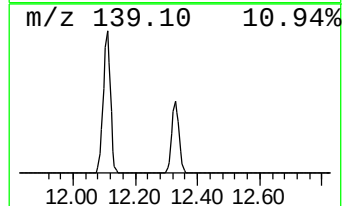
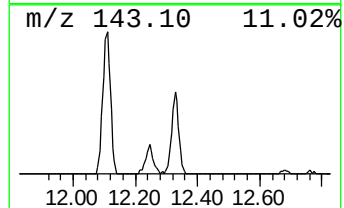
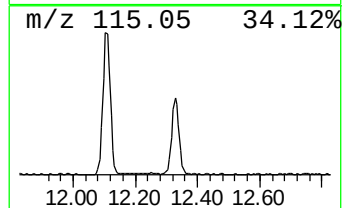
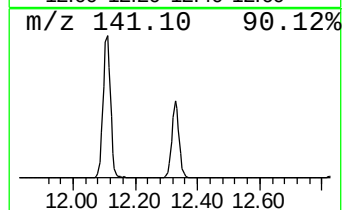
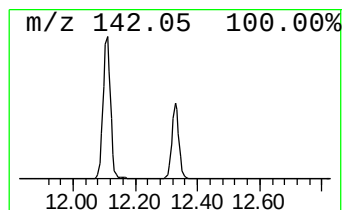
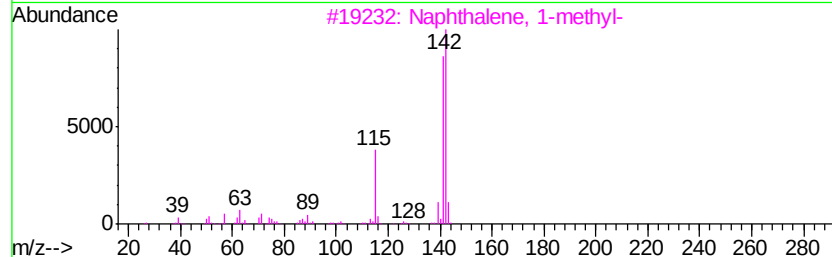
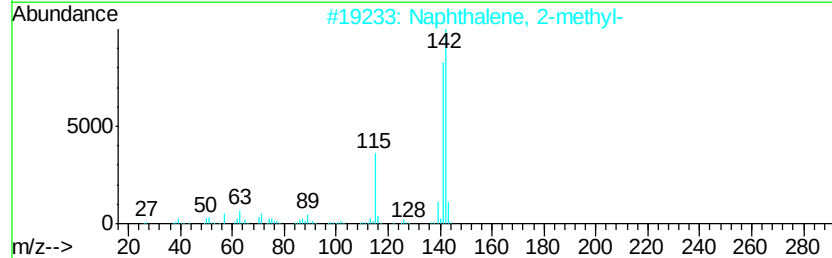
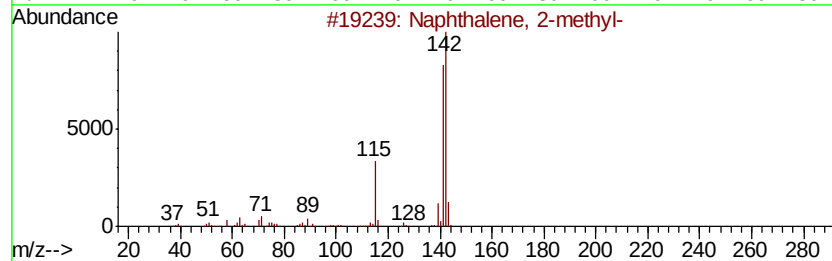
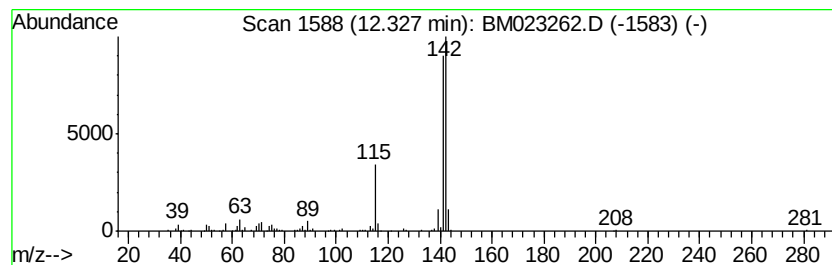
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	3.39 ng/ul	512569	Naphthalene-d8	10.44

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		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91



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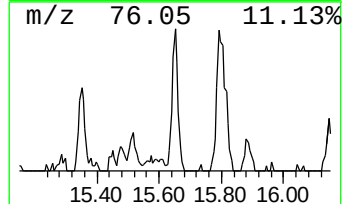
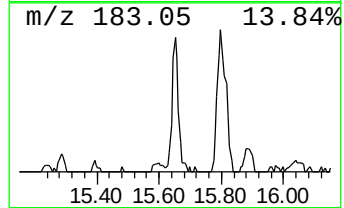
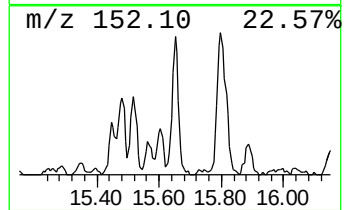
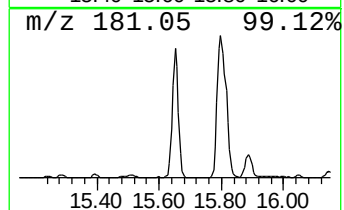
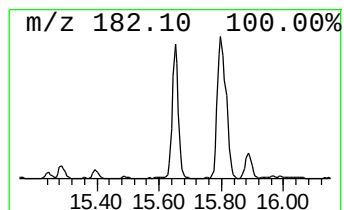
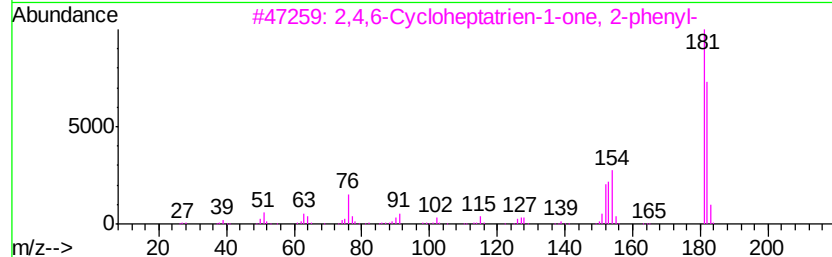
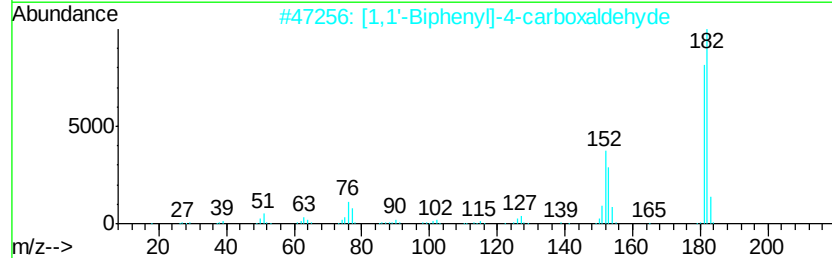
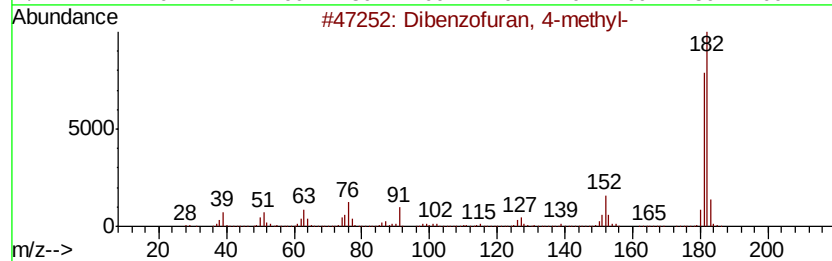
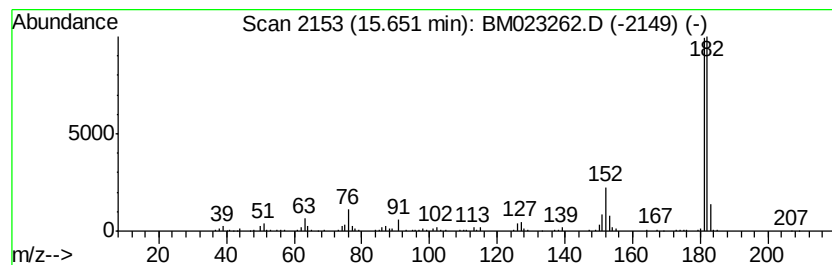
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	2.04 ng/ul	408670	Acenaphthene-d10	14.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzofuran, 4-methyl-	182 C13H10O	007320-53-8 91
2		[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8 83
3		2,4,6-Cycloheptatrien-1-one, 2-p...	182 C13H10O	014562-09-5 78
4		[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8 78
5		[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8 78



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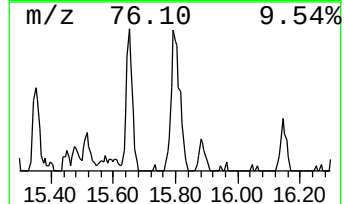
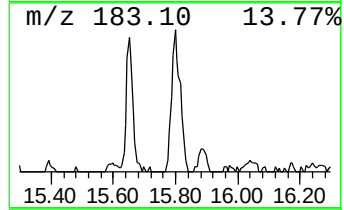
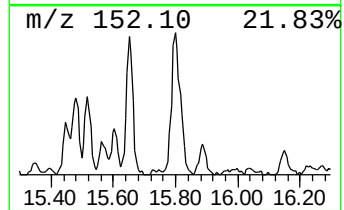
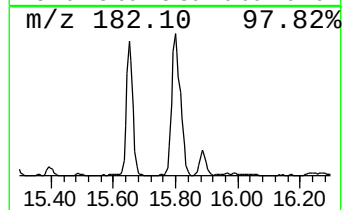
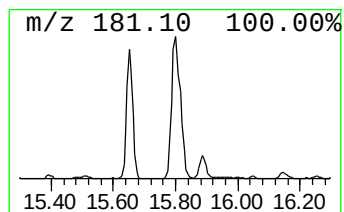
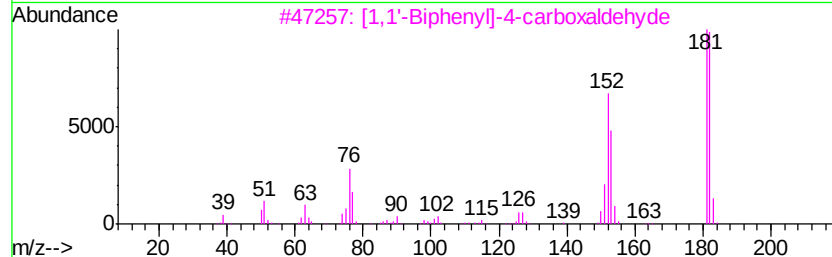
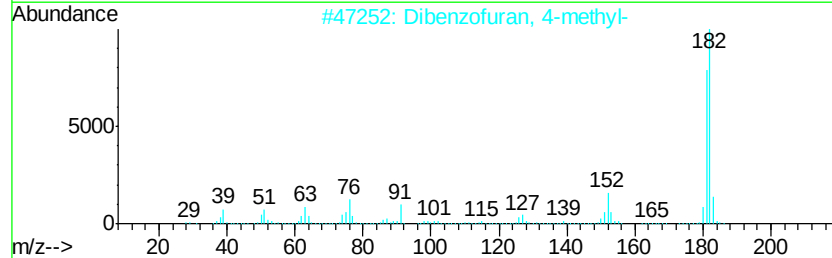
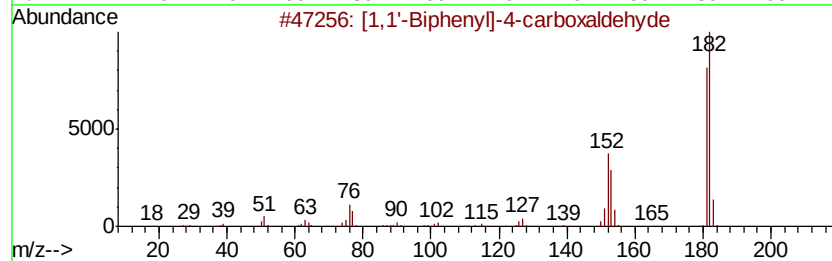
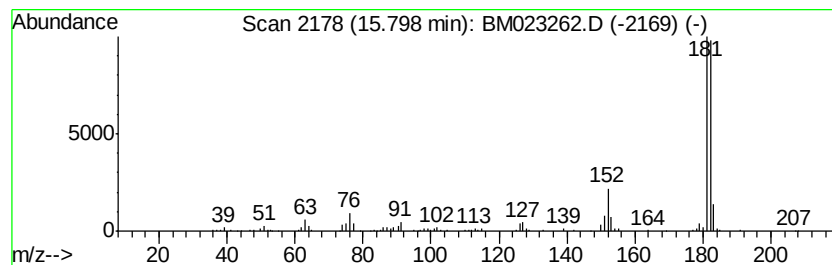
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Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	2.63 ng/ul	623695	Phenanthrene-d10	17.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
4		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023262.D
Acq On : 18 Oct 2019 17:49
Operator : JU
Sample : K5345-05DL 300X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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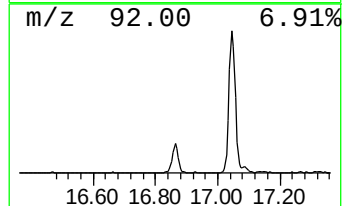
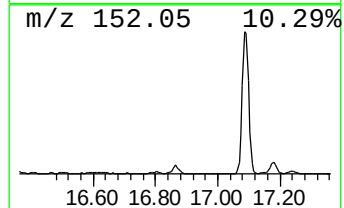
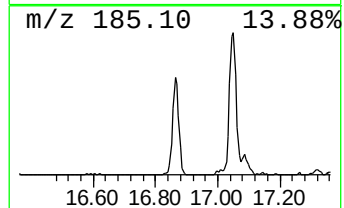
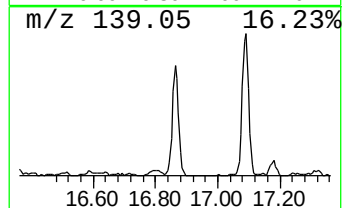
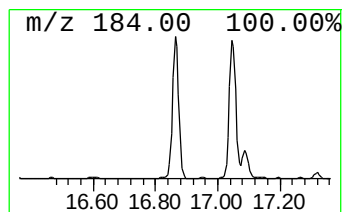
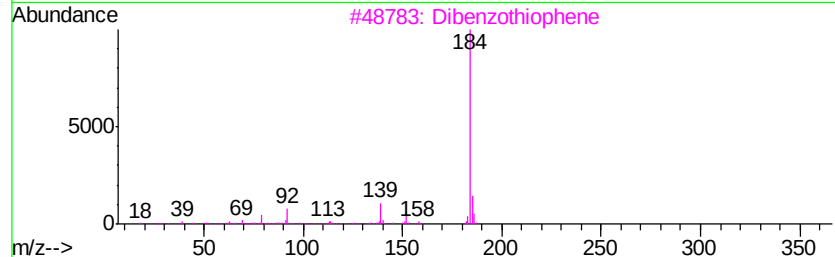
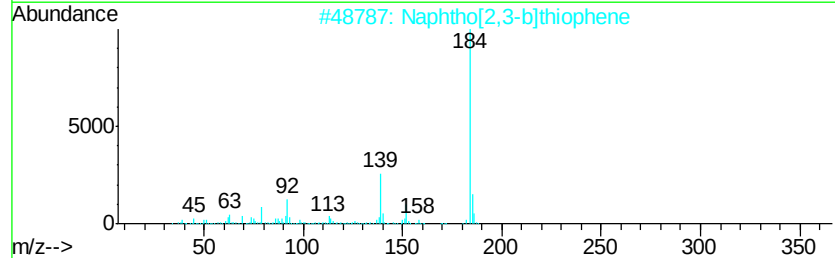
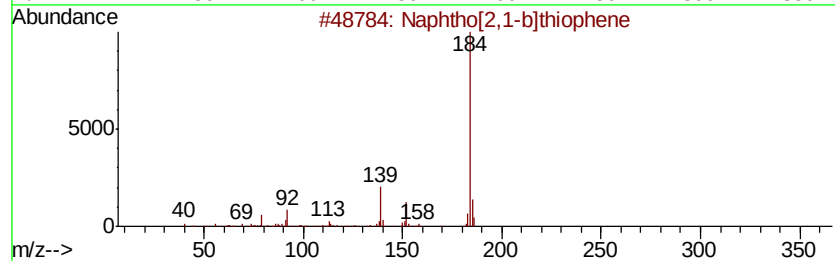
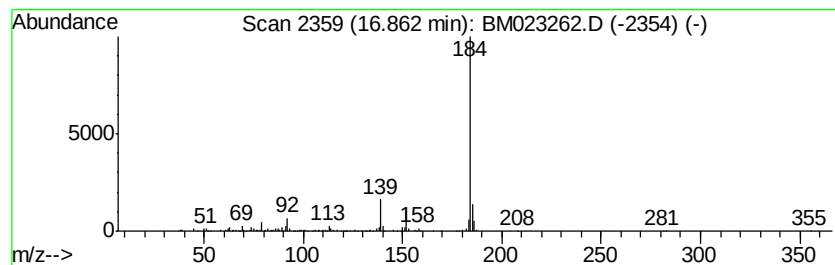
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	2.48 ng/ul	587696	Phenanthrene-d10	17.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3		Dibenzothiophene	184	C12H8S	000132-65-0	95
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5		Dibenzothiophene	184	C12H8S	000132-65-0	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023262.D
Acq On : 18 Oct 2019 17:49
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Instrument :
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ClientSampleId :
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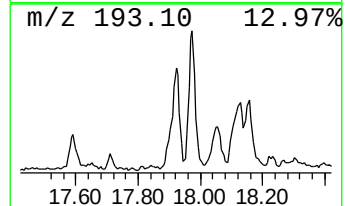
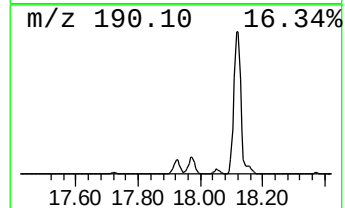
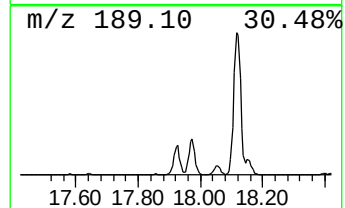
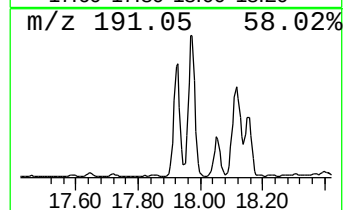
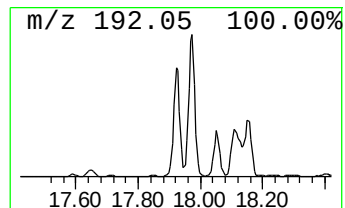
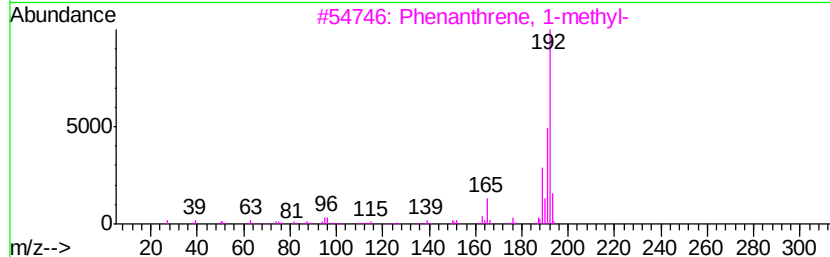
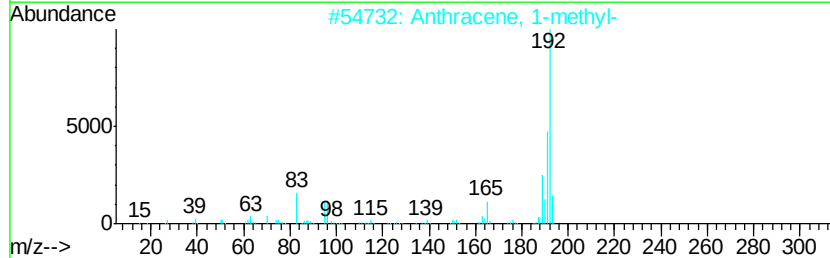
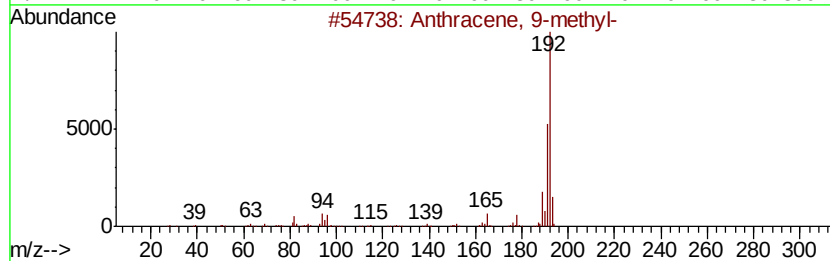
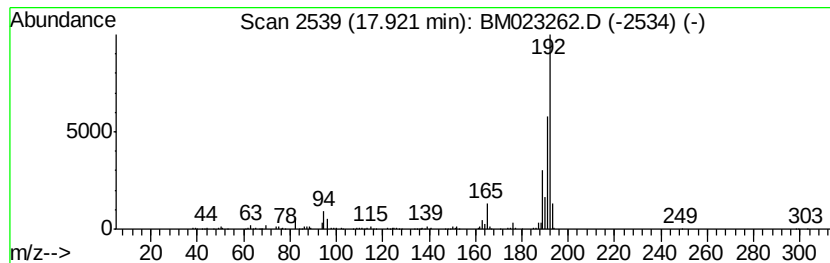
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	2.77 ng/ul	656748	Phenanthrene-d10	17.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023262.D
Acq On : 18 Oct 2019 17:49
Operator : JU
Sample : K5345-05DL 300X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
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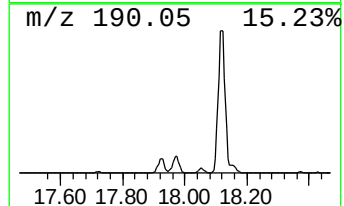
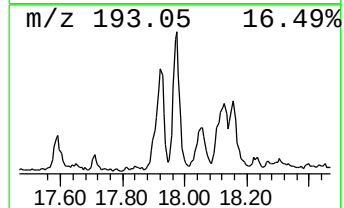
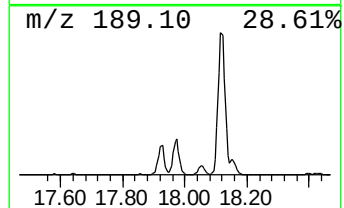
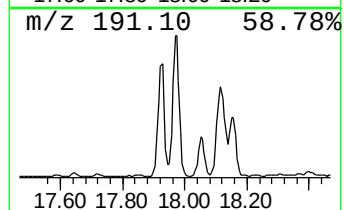
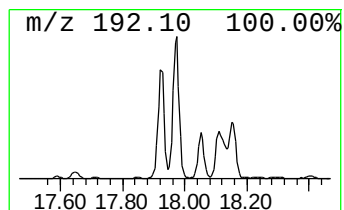
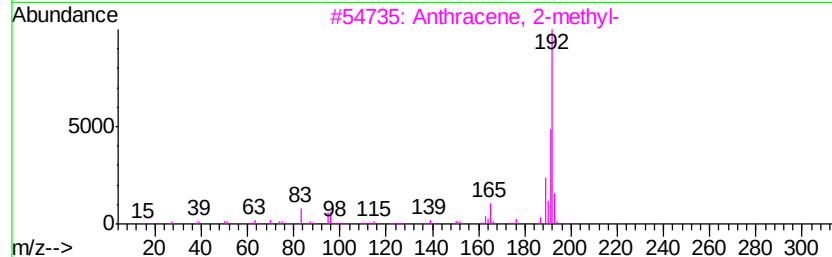
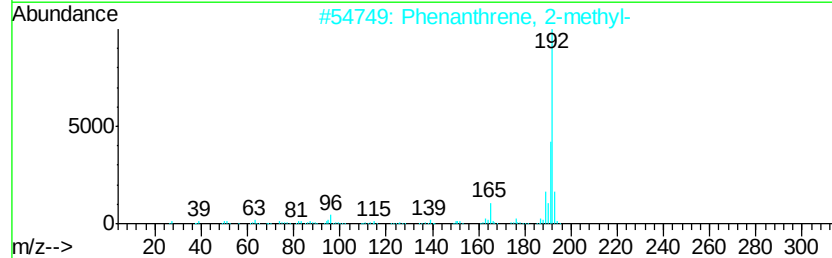
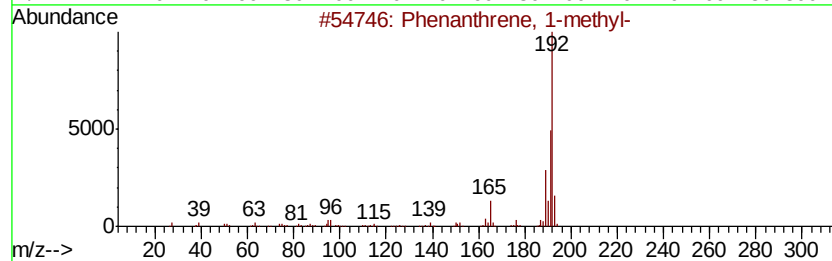
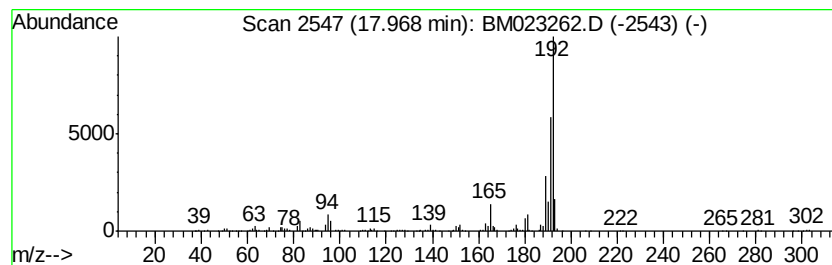
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	3.97 ng/ul	941582	Phenanthrene-d10	17.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
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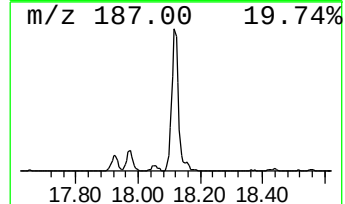
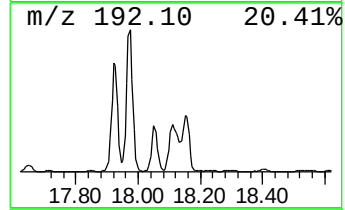
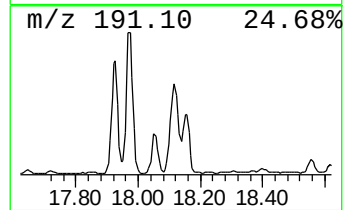
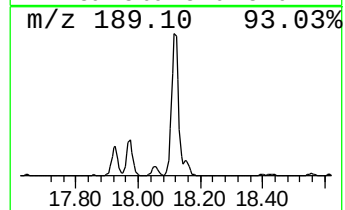
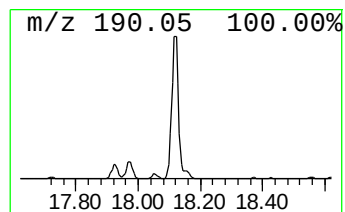
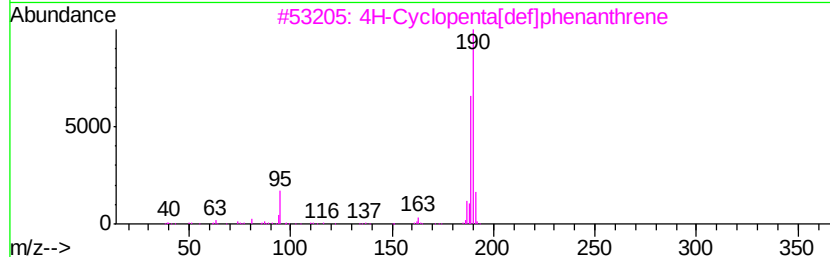
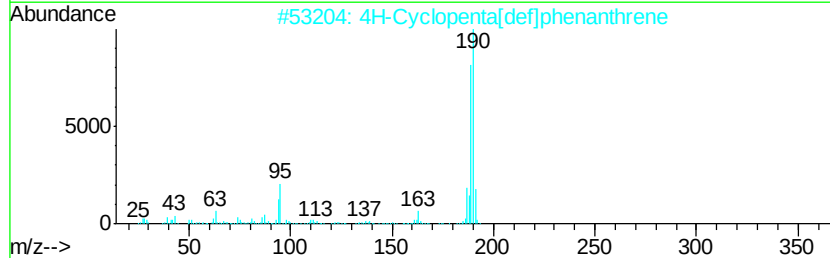
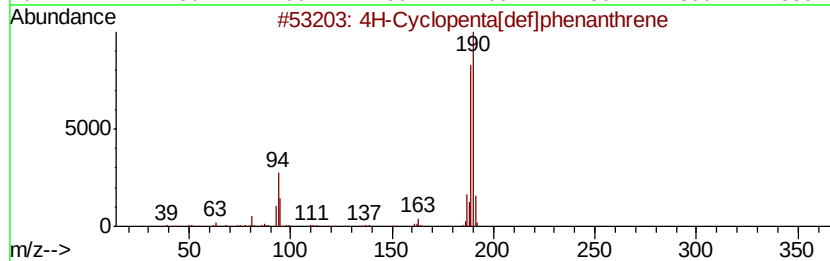
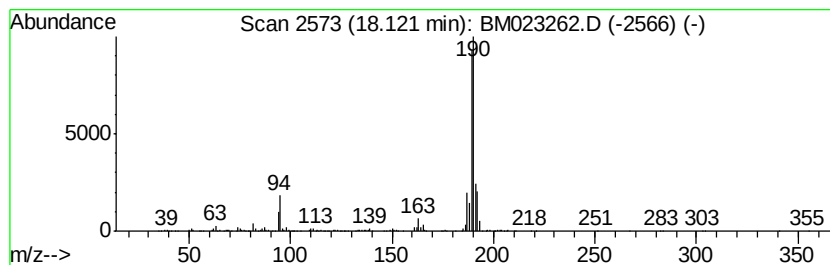
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.12	6.34 ng/ul	1503690	Phenanthrene-d10	17.04	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
Data File : BM023262.D
Acq On : 18 Oct 2019 17:49
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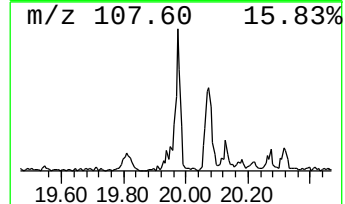
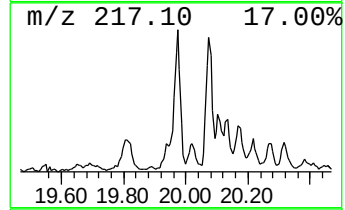
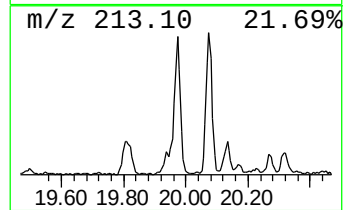
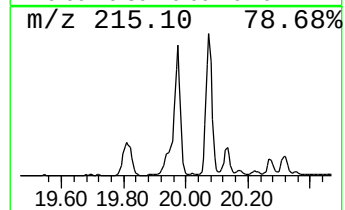
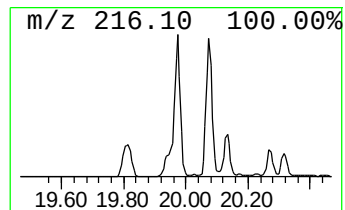
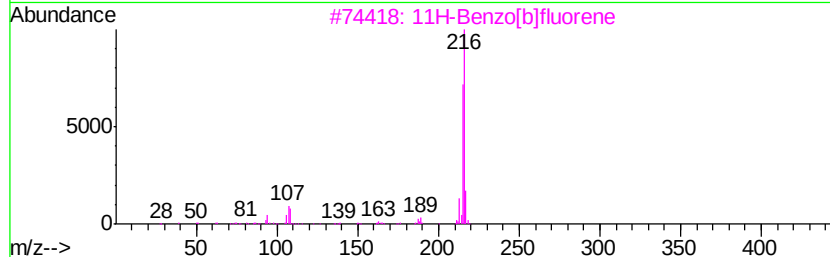
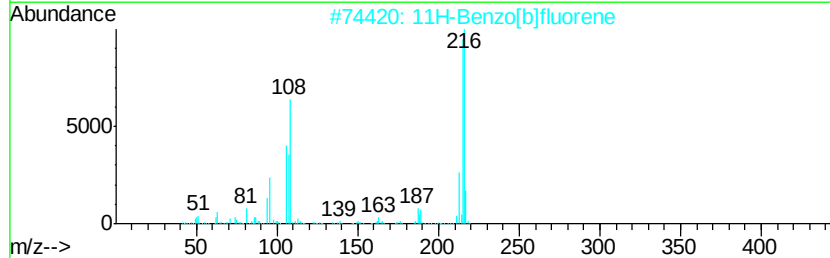
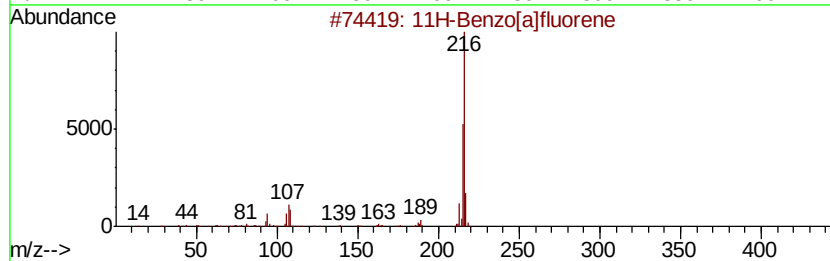
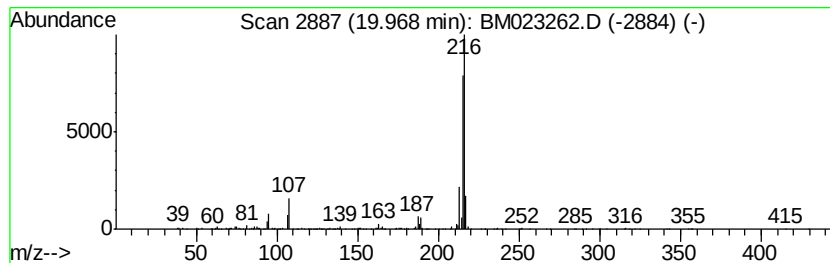
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.20 ng/ul	801954	Chrysene-d12	21.24

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\
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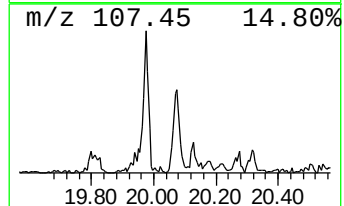
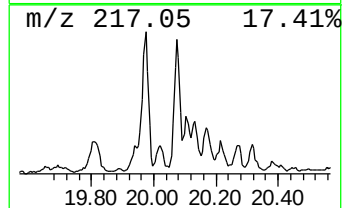
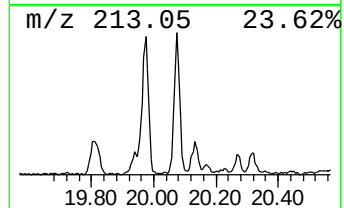
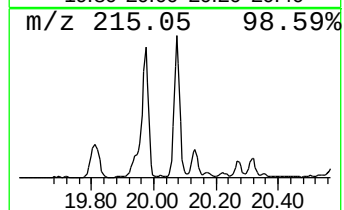
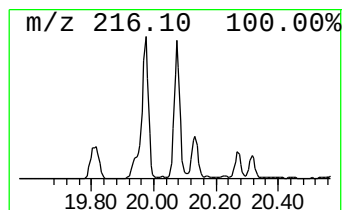
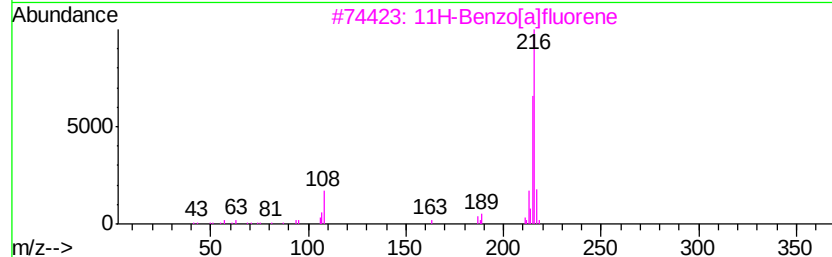
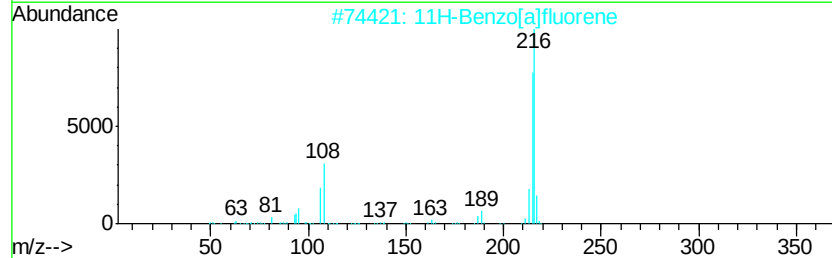
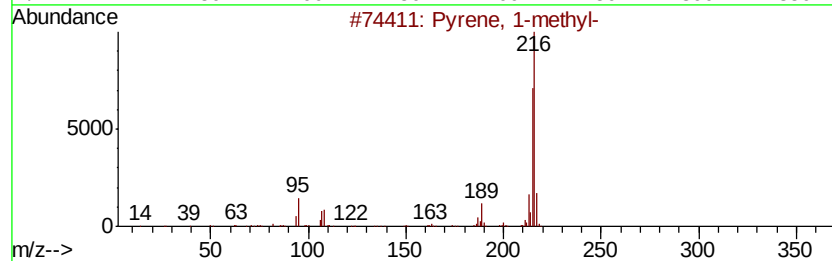
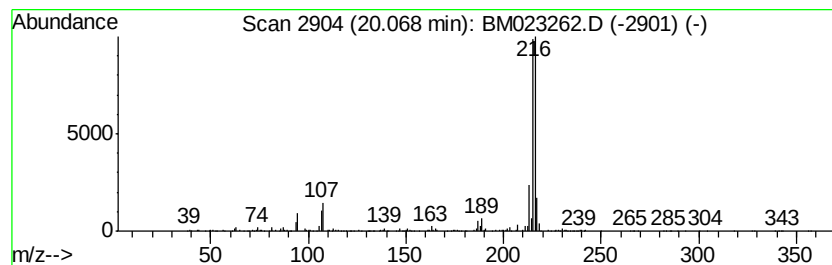
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	2.29 ng/ul	835834	Chrysene-d12	21.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101719\
Data File : BM023262.D
Acq On : 18 Oct 2019 17:49
Operator : JU
Sample : K5345-05DL 300X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.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
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Dibenzofuran, 4-m...	15.65	2.0	ng/ul	408670	3	14.30	4016330	20.0
[1,1'-Biphenyl]-4...	15.80	2.6	ng/ul	623695	4	17.04	4744230	20.0
Naphtho[2,1-b]thi...	16.86	2.5	ng/ul	587696	4	17.04	4744230	20.0
Anthracene, 9-met...	17.92	2.8	ng/ul	656748	4	17.04	4744230	20.0
Phenanthrene, 1-m...	17.97	4.0	ng/ul	941582	4	17.04	4744230	20.0
4H-Cyclopenta[def...	18.12	6.3	ng/ul	1503690	4	17.04	4744230	20.0
11H-Benzo[a]fluorene	19.97	2.2	ng/ul	801954	5	21.24	7298420	20.0
Pyrene, 1-methyl-	20.07	2.3	ng/ul	835834	5	21.24	7298420	20.0