

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050919\
 Data File : BN005575.D
 Acq On : 09 May 2019 20:35
 Operator : JU/SJ
 Sample : K2604-19 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ90

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-BN041919MA.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	5.628	444	449	459	rBV	116520	190946	1.31%	0.194%
2	6.781	640	645	654	rBV2	52517	105402	0.72%	0.107%
3	6.940	667	672	679	rBV	46006	78601	0.54%	0.080%
4	7.134	700	705	712	rVB	65667	111287	0.76%	0.113%
5	7.258	721	726	734	rVB	64606	114678	0.78%	0.117%
6	7.340	736	740	744	rVB2	20943	31449	0.22%	0.032%
7	7.593	776	783	792	rBV	1081376	1739207	11.89%	1.767%
8	8.122	867	873	881	rBV	91417	158898	1.09%	0.161%
9	8.305	898	904	911	rBV2	63029	120229	0.82%	0.122%
10	8.740	973	978	987	rVB2	54445	104495	0.71%	0.106%
11	8.852	991	997	1008	rVB3	19611	39836	0.27%	0.040%
12	9.163	1046	1050	1055	rBV3	18226	27362	0.19%	0.028%
13	9.340	1075	1080	1084	rBV4	10550	17757	0.12%	0.018%
14	9.393	1084	1089	1094	rVV3	11196	19569	0.13%	0.020%
15	9.458	1094	1100	1108	rVV	37391	65698	0.45%	0.067%
16	9.787	1151	1156	1162	rBV5	18776	33510	0.23%	0.034%
17	9.858	1164	1168	1173	rVV3	15535	25912	0.18%	0.026%
18	9.940	1173	1182	1187	rVV2	35338	70345	0.48%	0.071%
19	10.005	1187	1193	1201	rVB2	50102	103880	0.71%	0.106%
20	10.352	1245	1252	1268	rBV	1480551	2597349	17.76%	2.639%
21	10.522	1279	1281	1287	rVB3	11792	16360	0.11%	0.017%
22	11.552	1451	1456	1458	rBV4	11231	16368	0.11%	0.017%
23	11.575	1458	1460	1467	rVB	11336	18657	0.13%	0.019%
24	11.687	1472	1479	1484	rBV5	10311	20390	0.14%	0.021%
25	11.763	1487	1492	1494	rBV4	8987	16554	0.11%	0.017%
26	11.881	1499	1512	1525	rVB2	125040	429401	2.94%	0.436%
27	13.063	1709	1713	1719	rVB4	11571	17222	0.12%	0.018%
28	13.199	1727	1736	1743	rBV	61257	136996	0.94%	0.139%
29	13.281	1743	1750	1757	rVB3	42255	107133	0.73%	0.109%
30	13.463	1776	1781	1787	rBV	53133	91069	0.62%	0.093%
31	13.546	1790	1795	1799	rBV	34351	57264	0.39%	0.058%
32	13.599	1799	1804	1807	rBV3	14863	22910	0.16%	0.023%
33	13.640	1807	1811	1814	rVV	159885	229340	1.57%	0.233%
34	13.681	1814	1818	1830	rVB2	375012	629316	4.30%	0.639%

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35	13.781	1830	1835	1838	rBV4	29292	41977	0.29%	0.043%
36	13.946	1852	1863	1879	rBV	1920292	3186115	21.79%	3.238%
37	14.146	1892	1897	1902	rBV	50196	70070	0.48%	0.071%
38	14.228	1905	1911	1918	rVV2	2380272	3582788	24.50%	3.641%
39	14.293	1918	1922	1929	rVB3	54613	102346	0.70%	0.104%
40	14.451	1944	1949	1952	rBV6	9936	17856	0.12%	0.018%
41	14.528	1952	1962	1963	rBV8	22981	56409	0.39%	0.057%
42	14.640	1973	1981	1986	rBV6	30926	83688	0.57%	0.085%
43	14.710	1989	1993	1998	rVB2	44679	67224	0.46%	0.068%
44	14.769	1999	2003	2008	rVB6	29501	47140	0.32%	0.048%
45	14.840	2010	2015	2020	rBV2	136750	259993	1.78%	0.264%
46	14.940	2029	2032	2039	rVB	56747	77861	0.53%	0.079%
47	15.004	2039	2043	2049	rBV3	52049	116299	0.80%	0.118%
48	15.104	2055	2060	2068	rBV2	333496	480104	3.28%	0.488%
49	15.193	2073	2075	2077	rVV2	24725	28268	0.19%	0.029%
50	15.228	2077	2081	2086	rVV	397437	566757	3.88%	0.576%
51	15.304	2086	2094	2104	rVB2	153185	353081	2.41%	0.359%
52	15.410	2107	2112	2115	rBV	83020	123935	0.85%	0.126%
53	15.487	2121	2125	2127	rBV	122874	189752	1.30%	0.193%
54	15.622	2144	2148	2152	rVB3	79925	131656	0.90%	0.134%
55	15.969	2202	2207	2210	rBV2	248591	386269	2.64%	0.393%
56	16.281	2256	2260	2268	rBV6	72948	197825	1.35%	0.201%
57	16.440	2284	2287	2291	rBV2	57404	86050	0.59%	0.087%
58	16.563	2305	2308	2313	rVB	172624	227506	1.56%	0.231%
59	16.763	2339	2342	2347	rVB2	146777	159998	1.09%	0.163%
60	16.987	2374	2380	2384	rBV	2759315	4034061	27.58%	4.099%
61	17.028	2384	2387	2391	rVV	246432	343215	2.35%	0.349%
62	17.081	2393	2396	2399	rVV	275517	425019	2.91%	0.432%
63	17.116	2399	2402	2408	rVB	918800	1339887	9.16%	1.362%
64	17.504	2465	2468	2473	rVB2	367330	457810	3.13%	0.465%
65	17.681	2494	2498	2502	rBV2	208664	296400	2.03%	0.301%
66	17.863	2526	2529	2533	rBV2	190270	297673	2.04%	0.302%
67	17.910	2534	2537	2543	rVB	263779	392419	2.68%	0.399%
68	17.992	2548	2551	2555	rBV	277411	339979	2.32%	0.345%
69	18.057	2557	2562	2567	rBV2	1349173	2312751	15.81%	2.350%
70	18.798	2683	2688	2693	rBV	929994	1541669	10.54%	1.567%
71	18.857	2693	2698	2702	rVV3	584565	1073050	7.34%	1.090%

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72	18.945	2708	2713	2720	rBV3	1076973	2230177	15.25%	2.266%
73	19.063	2728	2733	2741	rVB	5040273	6864625	46.94%	6.976%
74	19.216	2755	2759	2764	rBV	1336283	1700228	11.63%	1.728%
75	19.334	2776	2779	2786	rVB	790315	1163410	7.95%	1.182%
76	19.433	2787	2796	2804	rBV	9453903	14624987	100.00%	14.861%
77	19.763	2848	2852	2862	rBV	1009753	2039119	13.94%	2.072%
78	19.933	2871	2881	2885	rBV	1536077	3840509	26.26%	3.903%
79	20.033	2895	2898	2904	rVB	805444	1062639	7.27%	1.080%
80	20.098	2905	2909	2914	rVB	1435946	1855616	12.69%	1.886%
81	20.233	2929	2932	2936	rBV	1241106	1531887	10.47%	1.557%
82	20.281	2937	2940	2945	rVB	1408567	1837739	12.57%	1.867%
83	20.857	3036	3038	3042	rVB	583811	625806	4.28%	0.636%
84	20.898	3043	3045	3049	rVB	809523	729424	4.99%	0.741%
85	21.210	3093	3098	3104	rBV3	4792039	10413268	71.20%	10.582%
86	21.257	3104	3106	3112	rVB	2945443	3848933	26.32%	3.911%
87	21.433	3133	3136	3138	rBV	974873	1045241	7.15%	1.062%
88	22.786	3361	3366	3370	rBV	2094530	4505625	30.81%	4.578%
89	23.245	3441	3444	3452	rVB	1433407	2353742	16.09%	2.392%
90	23.345	3456	3461	3466	rVB	3022503	5076040	34.71%	5.158%

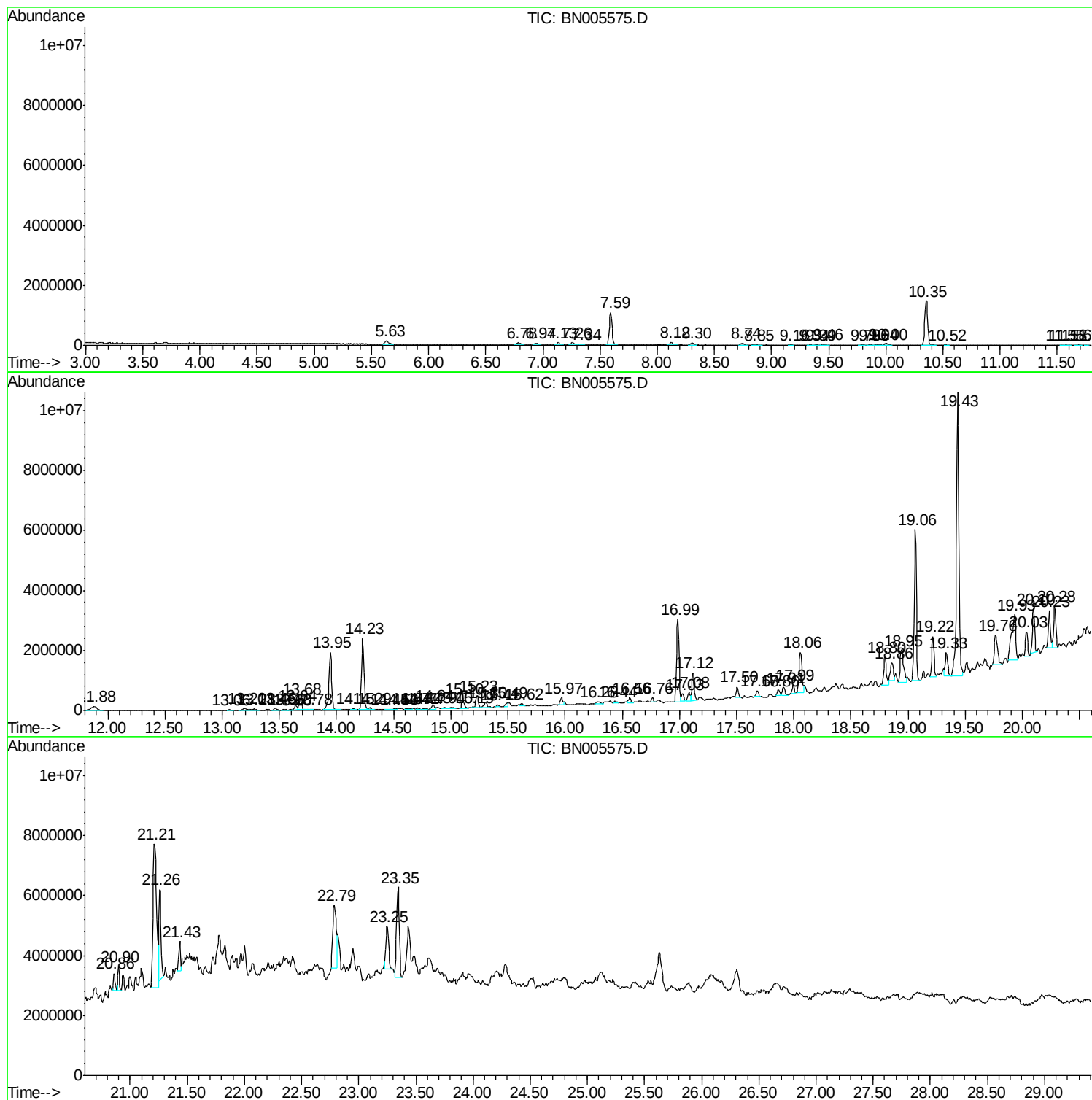
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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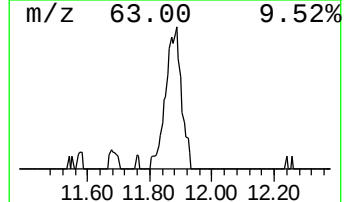
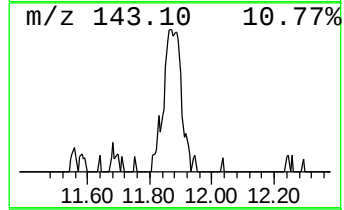
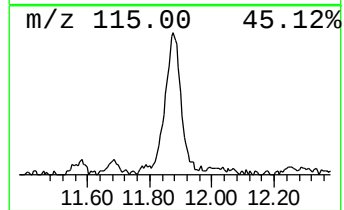
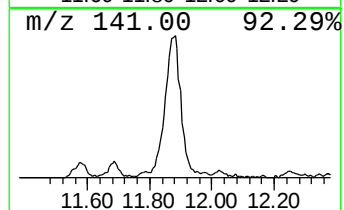
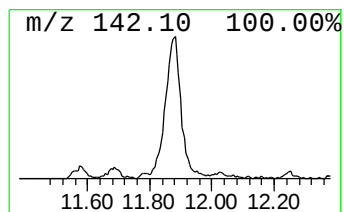
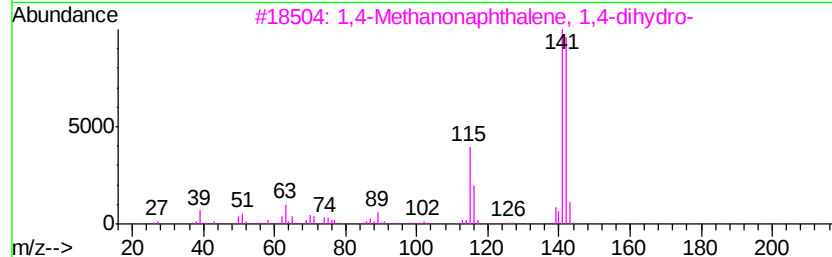
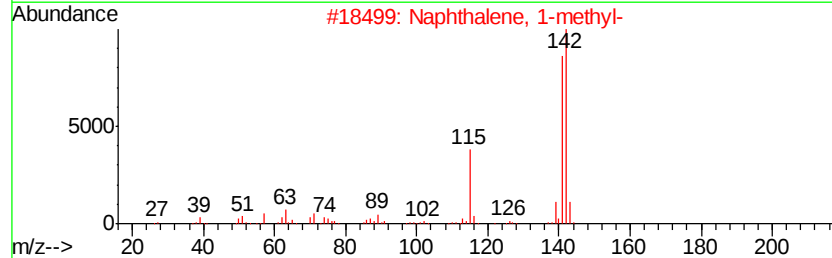
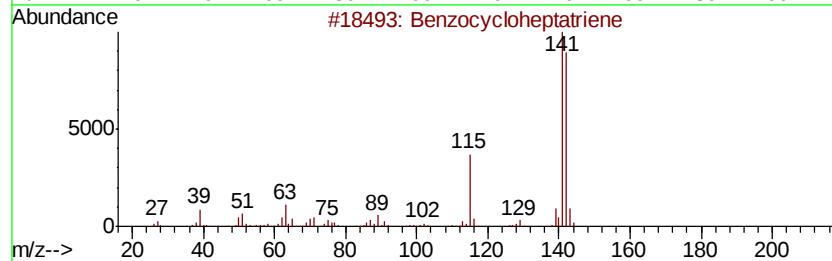
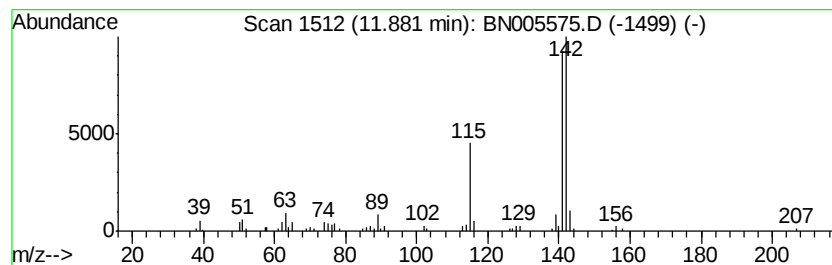
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzocycloheptatriene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	3.31 ng/ul	429401	Naphthalene-d8	10.35

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



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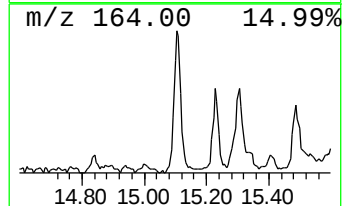
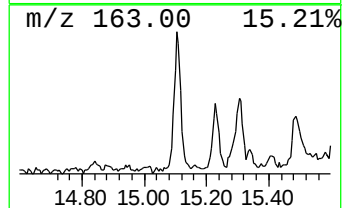
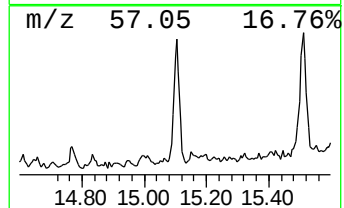
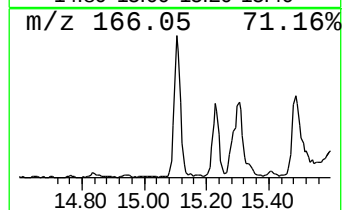
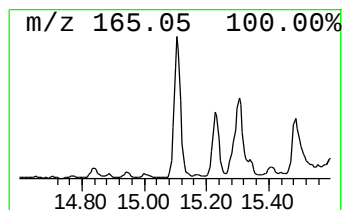
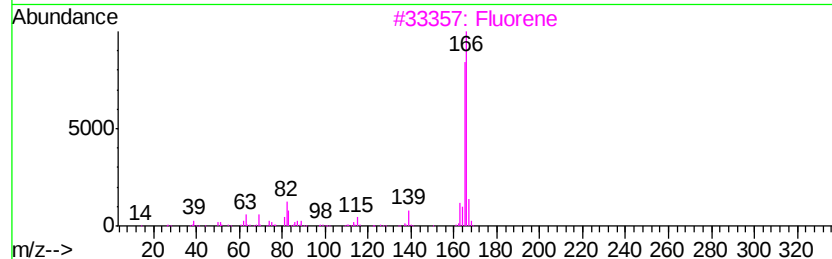
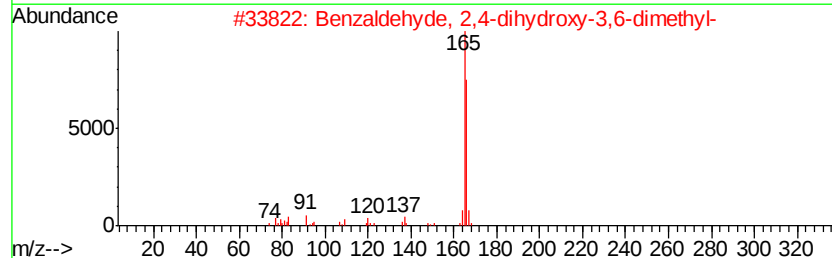
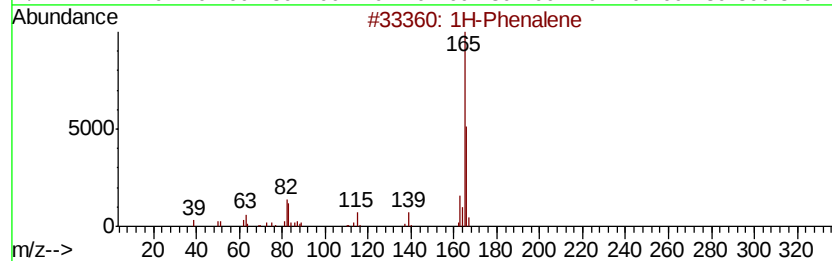
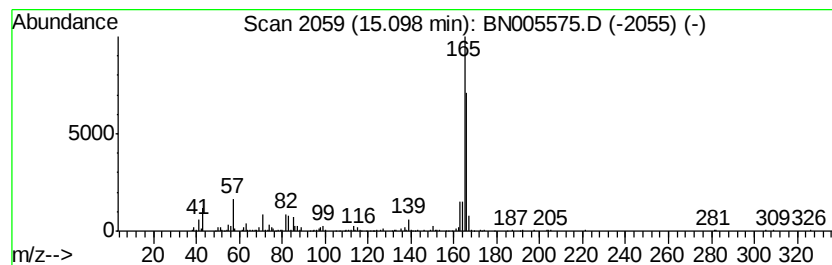
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1H-Phenalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	2.68 ng/ul	480104	Acenaphthene-d10	14.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1H-Phenalene		166 C13H10	000203-80-5 72
2	Benzaldehyde, 2,4-dihydroxy-3,6-...		166 C9H10O3	034883-14-2 64
3	Fluorene		166 C13H10	000086-73-7 58
4	3-Trifluoromethylbenzhdyryl chlo...		270 C14H10ClF3	067240-79-3 56
5	9H-Fluorene, 9-bromo-		244 C13H9Br	001940-57-4 53



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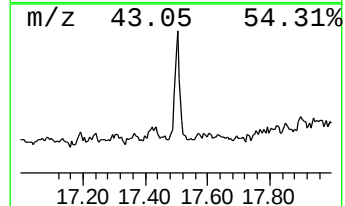
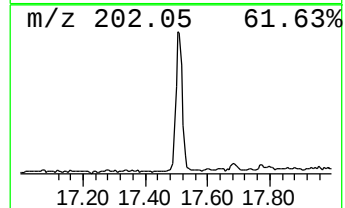
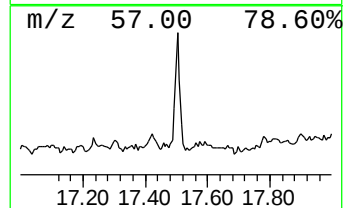
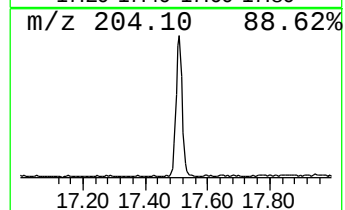
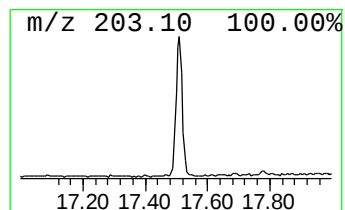
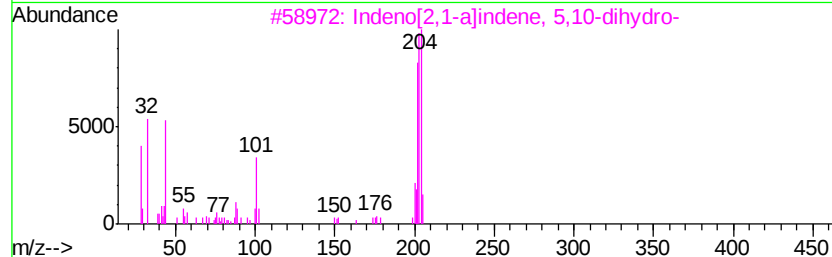
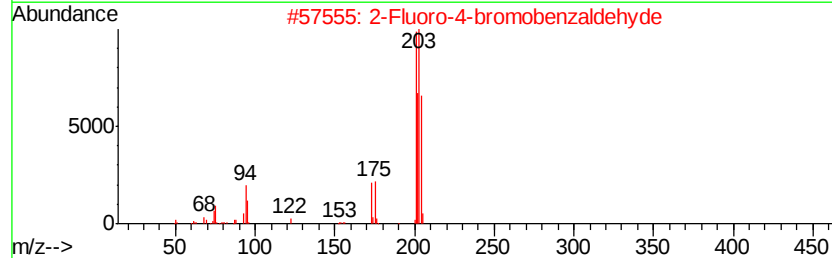
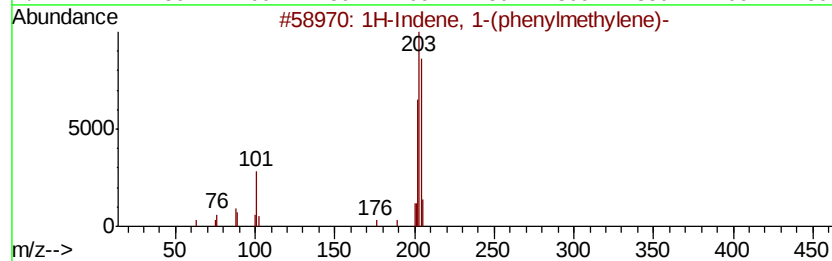
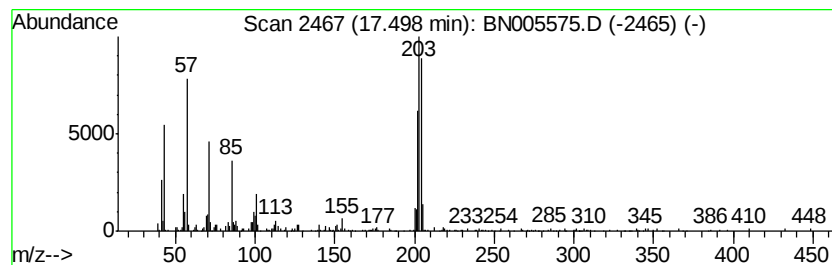
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 1H-Indene, 1-(phenylmethyle... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.50	2.27 ng/ul	457810	Phenanthrene-d10	16.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-(phenylmethyle)-	204	C16H12	005394-86-5	64
2	2-Fluoro-4-bromobenzaldehyde	202	C7H4BrFO	057848-46-1	58
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	53
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	50
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45



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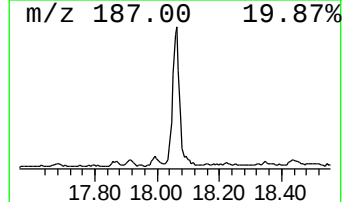
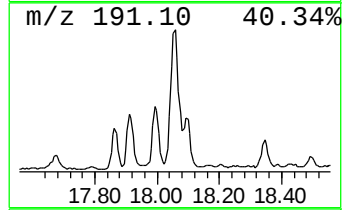
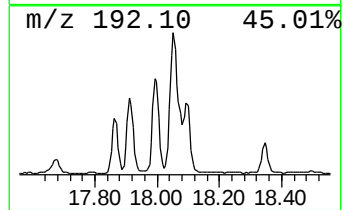
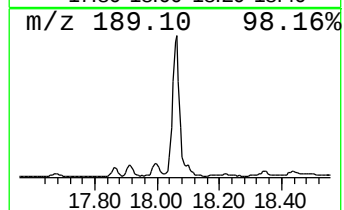
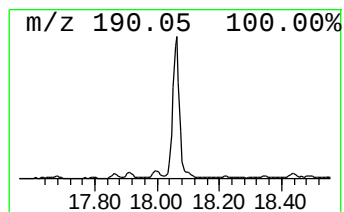
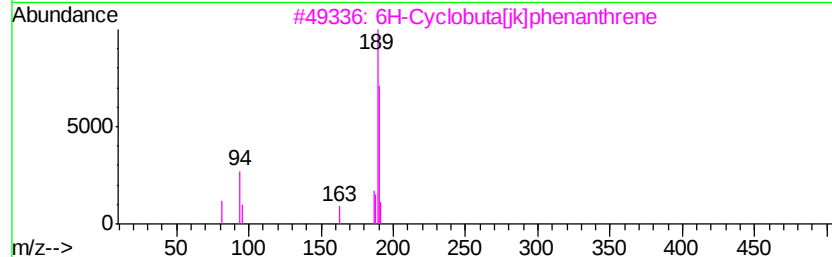
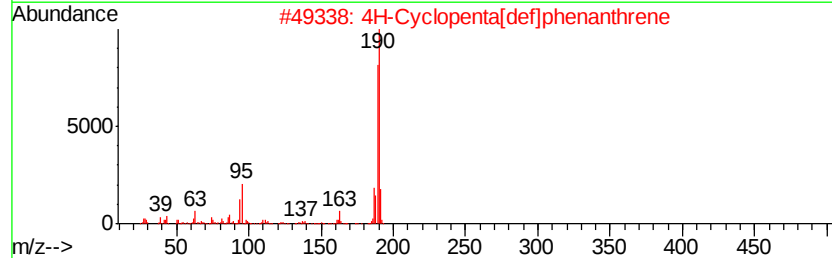
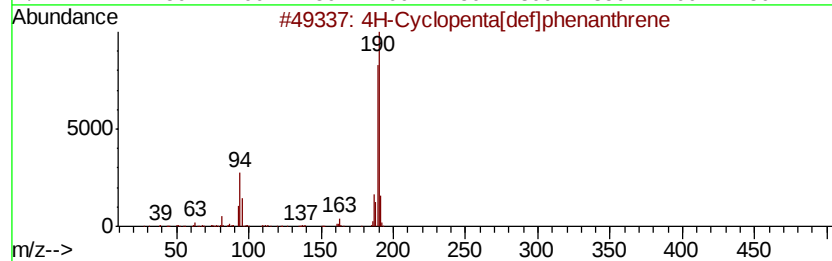
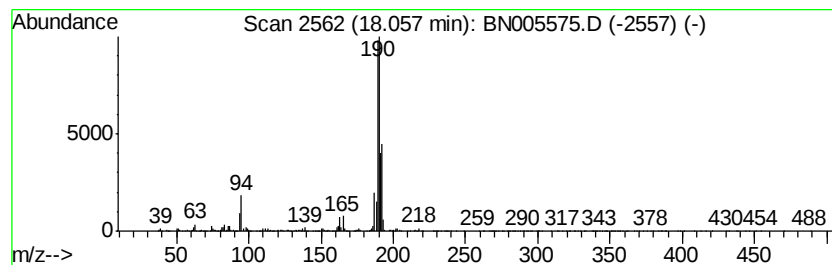
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	11.47 ng/ul	2312750	Phenanthrene-d10	16.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
4		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BCl03S	036155-87-0	53
5		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52



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Data File : BN005575.D
Acq On : 09 May 2019 20:35
Operator : JU/SJ
Sample : K2604-19 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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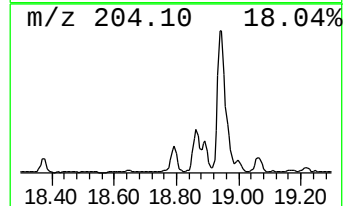
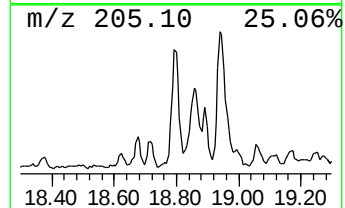
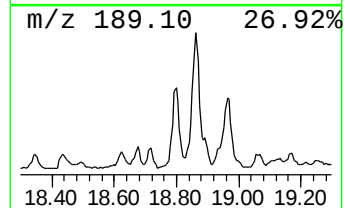
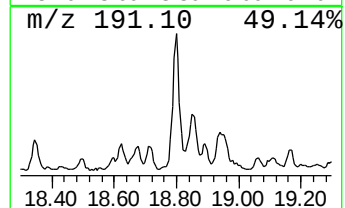
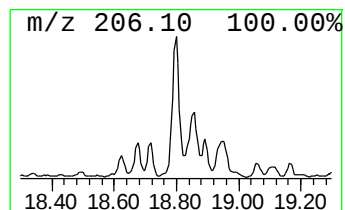
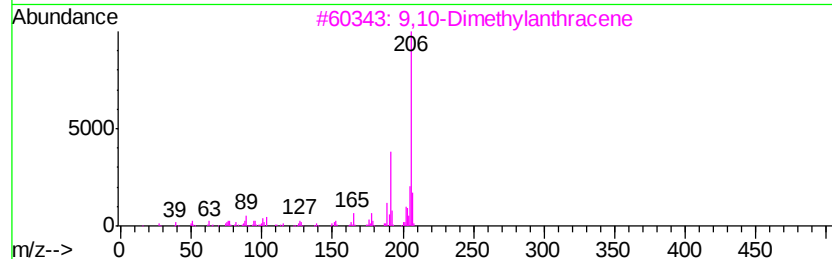
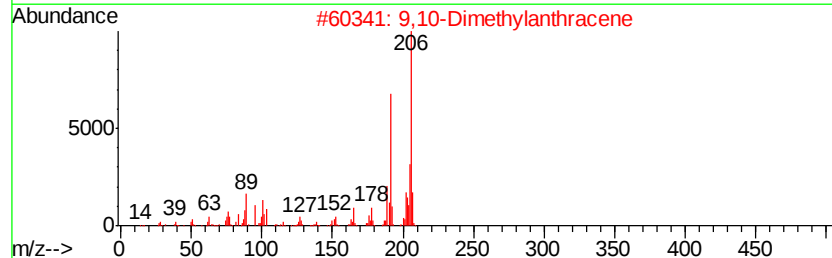
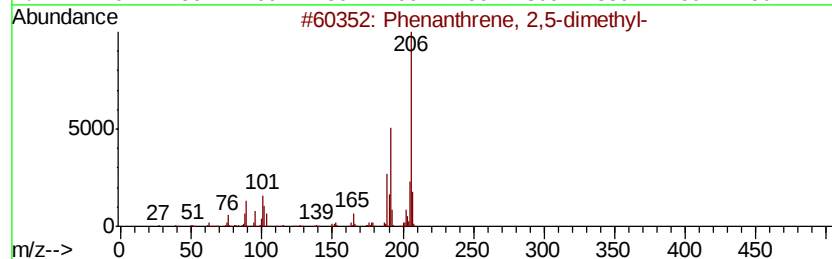
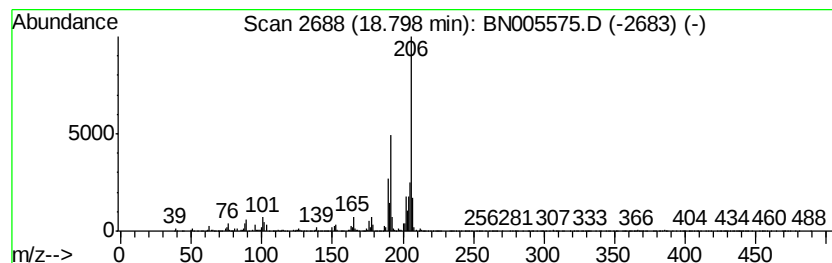
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	7.64 ng/ul	1541670	Phenanthrene-d10	16.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005575.D
Acq On : 09 May 2019 20:35
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Sample : K2604-19 10X
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ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
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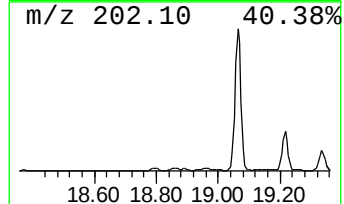
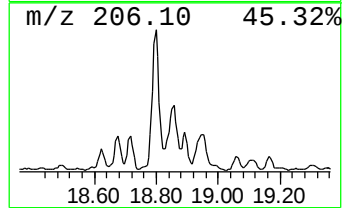
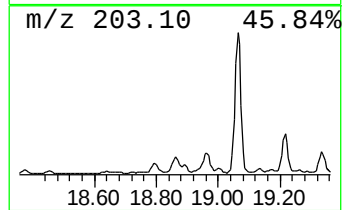
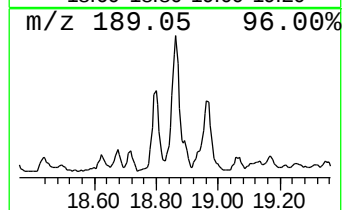
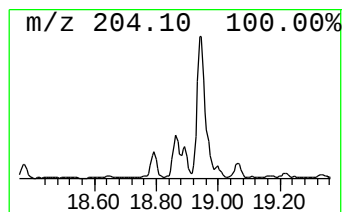
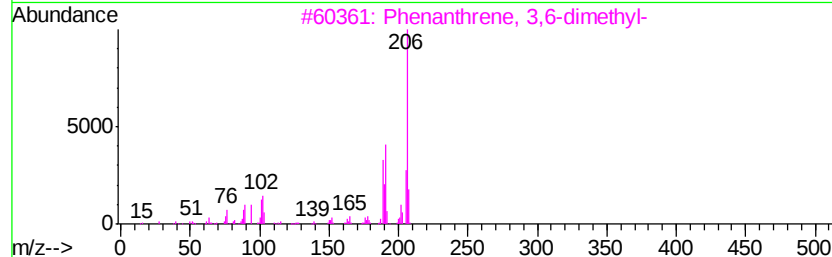
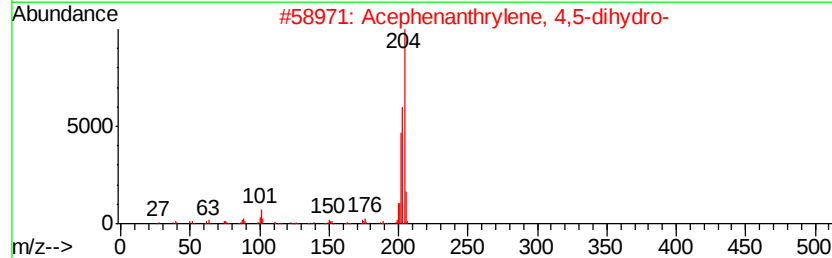
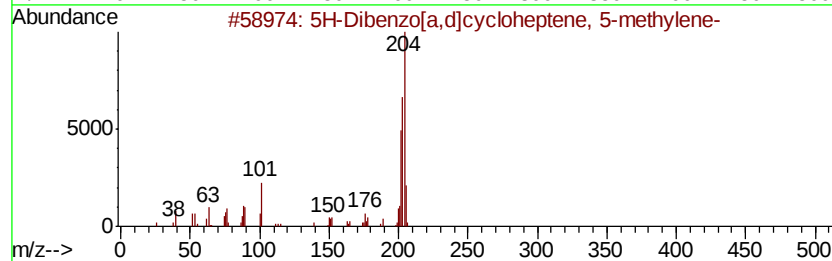
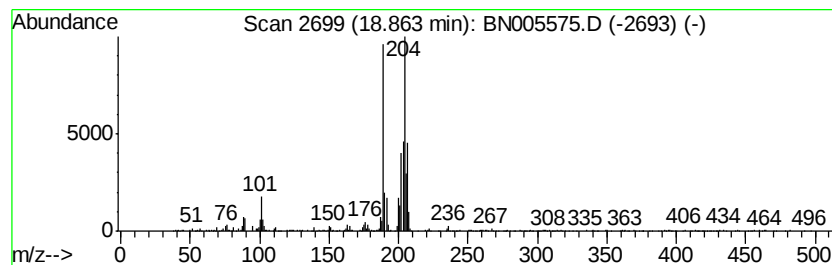
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 5H-Dibenzo[a,d]cycloheptene... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	5.32 ng/ul	1073050	Phenanthrene-d10	16.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12		002975-79-3	52
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12		006232-48-0	47
3	Phenanthrene, 3,6-dimethyl-	206	C16H14		001576-67-6	46
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2		034373-96-1	43
5	9,10-Dimethylantracene	206	C16H14		000781-43-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
Data File : BN005575.D
Acq On : 09 May 2019 20:35
Operator : JU/SJ
Sample : K2604-19 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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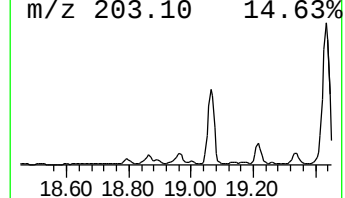
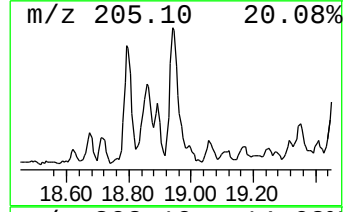
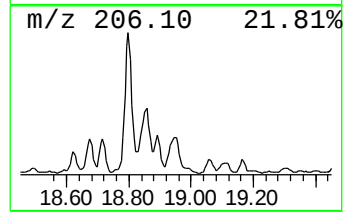
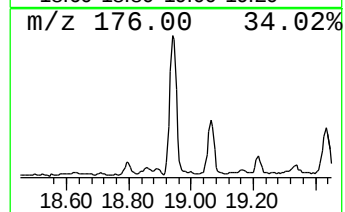
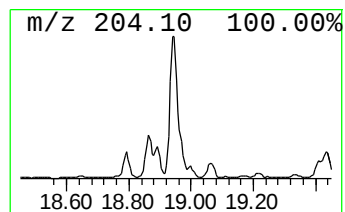
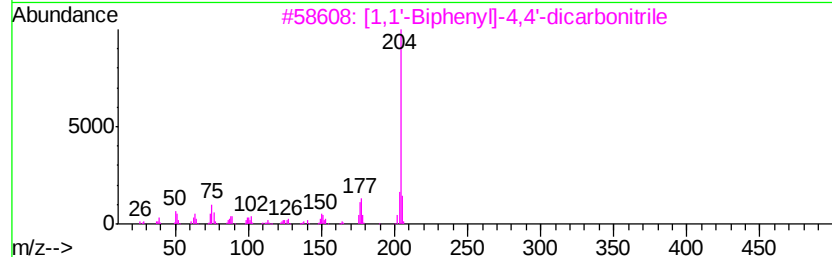
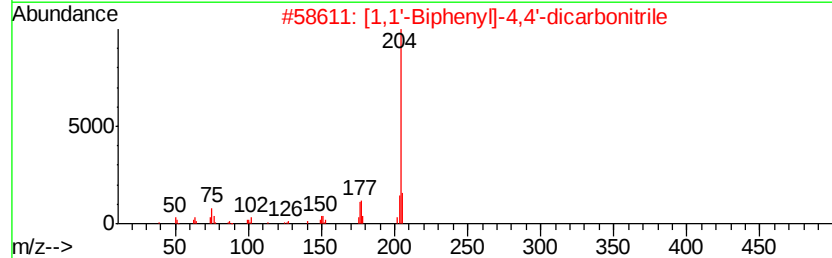
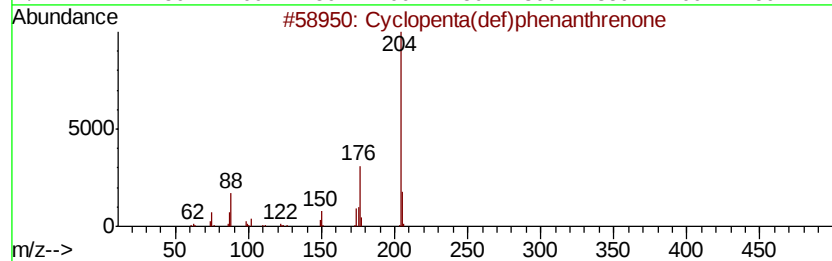
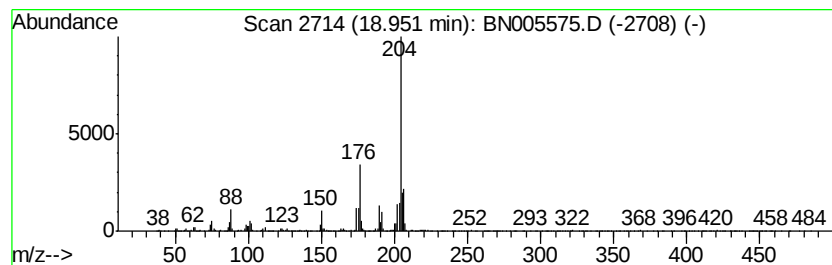
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	11.06 ng/ul	2230180	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
4		1,2,4,8-Tetramethylbicyclo[6.3.0]non-2-ene	204	C15H24	137235-51-9	53
5		4(equat)-(but-3-en-1-ynyl)-2(axi...)	219	C14H21NO	038423-22-2	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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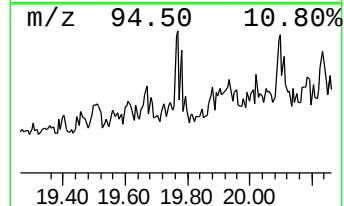
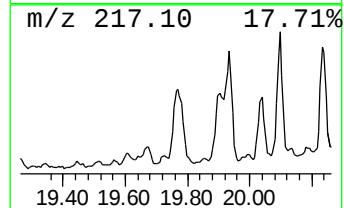
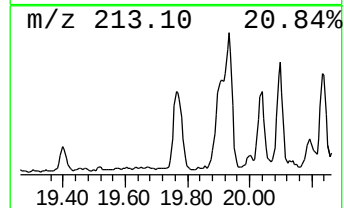
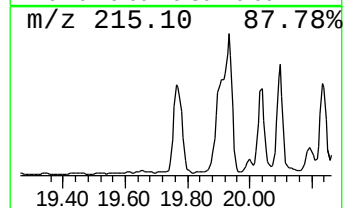
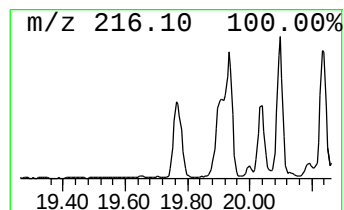
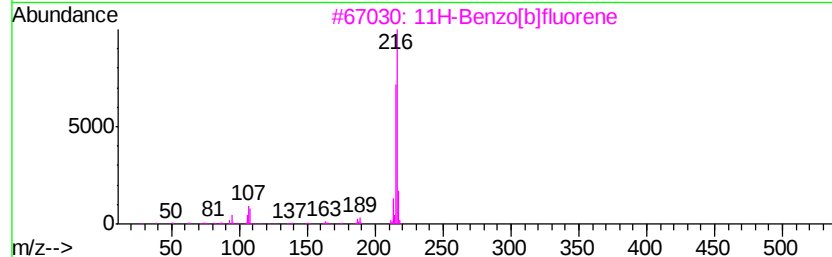
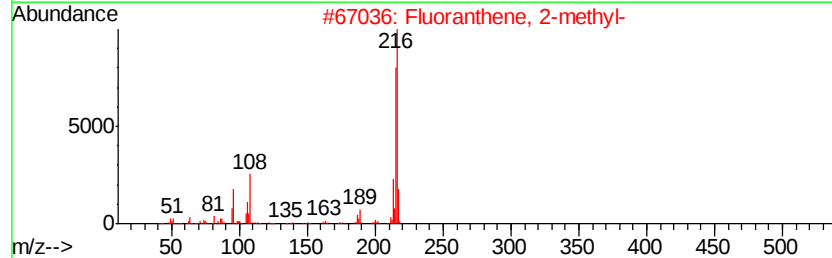
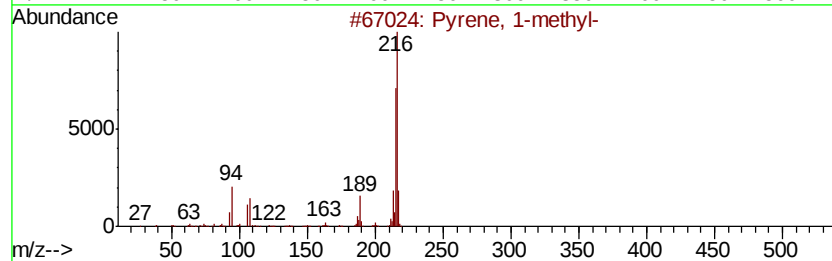
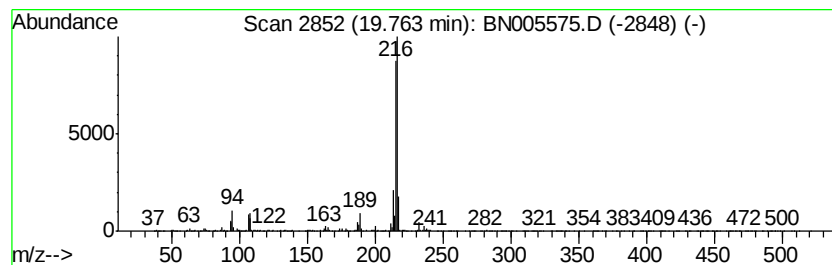
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	3.92 ng/ul	2039120	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
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ClientSampleId :
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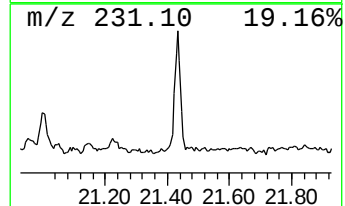
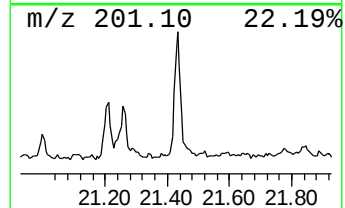
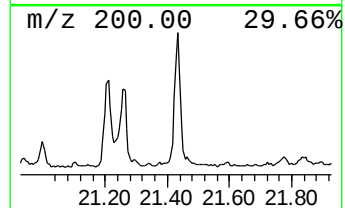
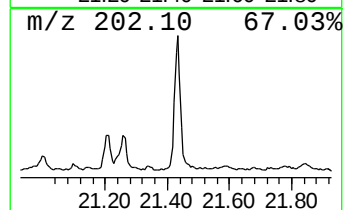
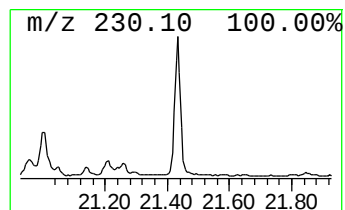
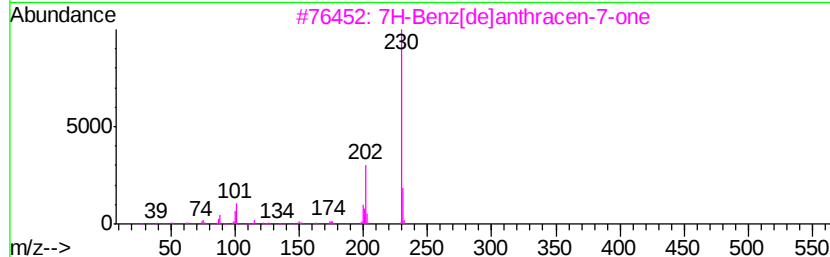
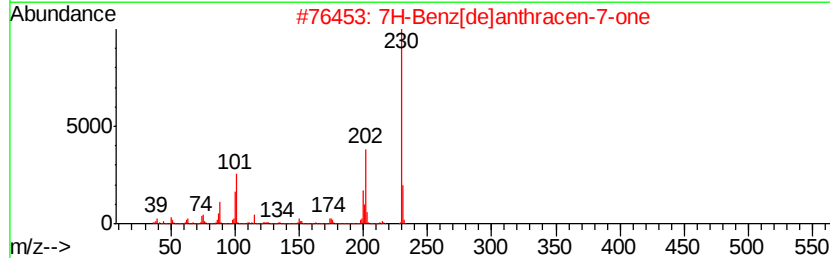
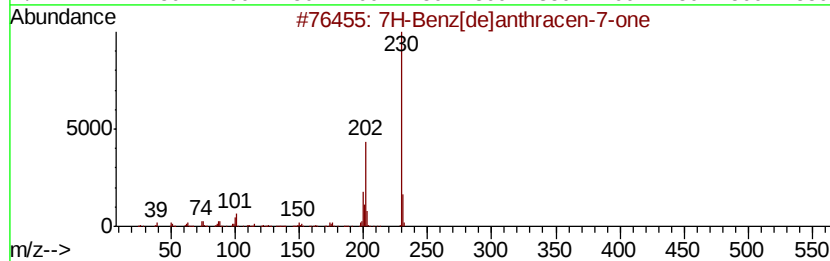
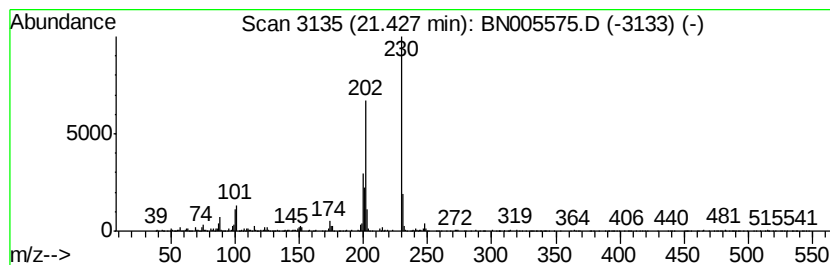
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	2.01 ng/ul	1045240	Chrysene-d12	21.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
4			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5			1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
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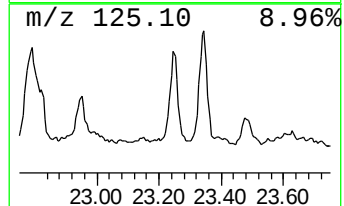
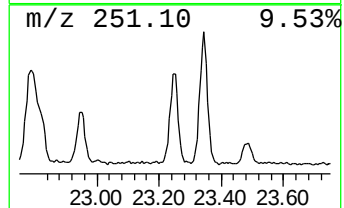
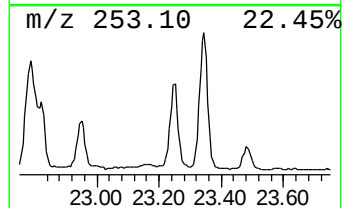
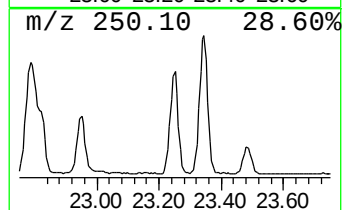
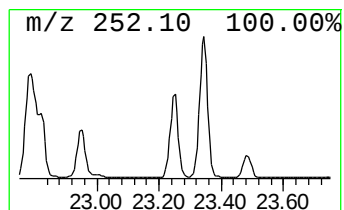
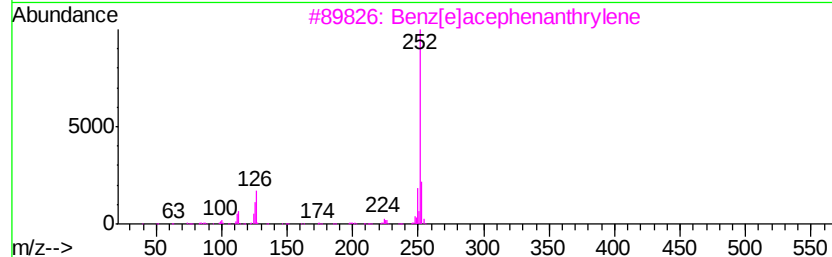
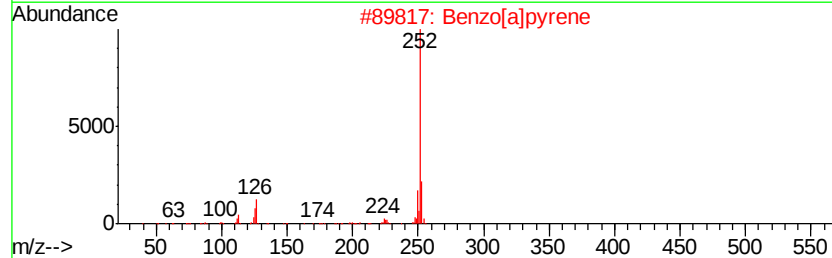
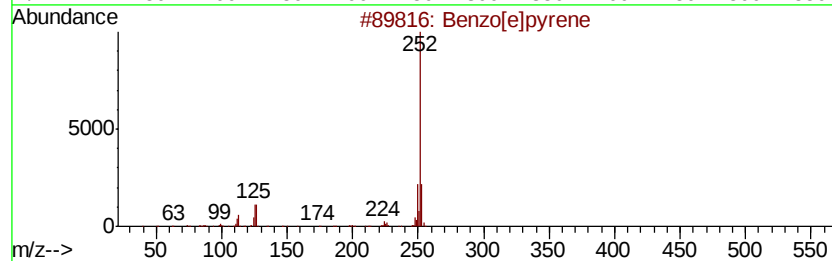
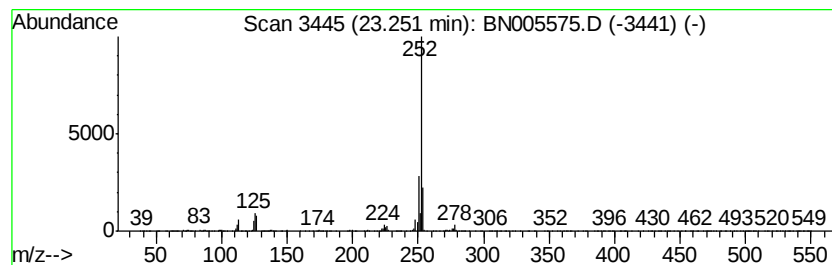
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.25	9.27 ng/ul	2353740	Perylene-d12	23.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	94
2			Benzo[a]pyrene	252	C20H12	000050-32-8	91
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	91
4			Benzo[i]fluoranthene	252	C20H12	000205-82-3	90
5			Perylene	252	C20H12	000198-55-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050919\
Data File : BN005575.D
Acq On : 09 May 2019 20:35
Operator : JU/SJ
Sample : K2604-19 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ90

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzocycloheptatr...	11.88	3.3	ng/ul	429401	2	10.35	2597350	20.0
1H-Phenalene	15.10	2.7	ng/ul	480104	3	14.23	3582790	20.0
1H-Indene, 1-(phe...	17.50	2.3	ng/ul	457810	4	16.99	4034060	20.0
4H-Cyclopenta[def...	18.06	11.5	ng/ul	2312750	4	16.99	4034060	20.0
Phenanthrene, 2,5...	18.80	7.6	ng/ul	1541670	4	16.99	4034060	20.0
5H-Dibenzo[a,d]cy...	18.86	5.3	ng/ul	1073050	4	16.99	4034060	20.0
Cyclopenta(def)ph...	18.95	11.1	ng/ul	2230180	4	16.99	4034060	20.0
Pyrene, 1-methyl-	19.76	3.9	ng/ul	2039120	5	21.22	10413300	20.0
7H-Benz[de]anthra...	21.43	2.0	ng/ul	1045240	5	21.22	10413300	20.0
Benzo[e]pyrene	23.25	9.3	ng/ul	2353740	6	23.43	5076040	20.0