LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120717\
Data File : BM013241.D
Acq On : 07 Dec 2017 13:53
Operator : SJ/JU
Sample : I6647-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0279

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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	3.746	108	112	117	rVB	56582	75440	1.04%	0.082%
2	6.887	639	646	656	rVB	738092	1270727	17.51%	1.389%
3	7.046	667	673	680	rVB	541806	814537	11.22%	0.891%
4	7.240	700	706	713	rBV	792398	1226905	16.91%	1.341%
5	7.704	776	785	792	rBV	799993	1252295	17.26%	1.369%
6	8.416	896	906	914	rBV	876982	1433758	19.76%	1.568%
7	8.857	973	981	988	rVB	717577	1164064	16.04%	1.273%
8	9.575	1095	1103	1115	rBV	623149	1050608	14.48%	1.149%
9	10.110	1185	1194	1202	rBV	946626	1572985	21.67%	1.720%
10	10.486	1250	1258	1263	rBV	960162	1628283	22.44%	1.780%
11	10.628	1270	1282	1292	rBV	620671	1115337	15.37%	1.219%
12	12.151	1535	1541	1547	rVB	136617	223534	3.08%	0.244%
13	12.369	1569	1578	1587	rBV	157477	270063	3.72%	0.295%
14	13.175	1708	1715	1720	rBV2	104588	167499	2.31%	0.183%
15	13.369	1740	1748	1752	rBV2	86653	179900	2.48%	0.197%
16	13.504	1767	1771	1773	rBV5	58367	95092	1.31%	0.104%
17	13.663	1791	1798	1803	rBV	185222	341022	4.70%	0.373%
18	13.716	1803	1807	1809	rVV2	87823	116254	1.60%	0.127%
19	13.757	1809	1814	1819	rVV	1465975	1974430	27.21%	2.159%
20	13.804	1819	1822	1830	rVB	369307	500427	6.90%	0.547%
21	13.898	1834	1838	1842	rBV2	97494	132711	1.83%	0.145%
22	14.039	1850	1862	1870	rBV	1687083	2762824	38.07%	3.021%
23	14.198	1883	1889	1894	rVB4	55480	109061	1.50%	0.119%
24	14.251	1894	1898	1903	rVB2	88883	121996	1.68%	0.133%
25	14.345	1904	1914	1920	rBV2	1347428	2179092	30.03%	2.382%
26	14.410	1920	1925	1933	rVB	581868	952704	13.13%	1.042%
27	14.563	1944	1951	1958	rBV2	679896	1149517	15.84%	1.257%
28	14.651	1958	1966	1971	rVV3	131083	278638	3.84%	0.305%
29	14.710	1971	1976	1977	rVV5	57981	92346	1.27%	0.101%
30	14.745	1978	1982	1990	rVV3	217134	427563	5.89%	0.467%
31	14.822	1990	1995	1998	rVB4	55124	80393	1.11%	0.088%
32	14.969	2016	2020	2025	rVV3	65897	101514	1.40%	0.111%
33	15.145	2042	2050	2053	rBV9	57923	141356	1.95%	0.155%
34	15.204	2058	2060	2065	rVB2	98911	123144	1.70%	0.135%

LSC Area Percent Report

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Acq On : 07 Dec 2017 13:53
Operator : SJ/JU
Sample : I6647-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0279

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

35	15.345	2078	2084	2088	rBV	1852244	2665101	36.72%	2.914%
36	15.398	2088	2093	2097	rVB	749644	999887	13.78%	1.093%
37	15.474	2101	2106	2111	rBV2	449353	744046	10.25%	0.813%
38	15.521	2111	2114	2117	rVV3	209293	281745	3.88%	0.308%
39	15.557	2117	2120	2125	rVB2	334018	456392	6.29%	0.499%
40	15.610	2125	2129	2132	rBV4	125473	149341	2.06%	0.163%
41	15.645	2132	2135	2139	rBV3	81367	116181	1.60%	0.127%
42	15.774	2152	2157	2160	rBV5	76960	128999	1.78%	0.141%
43	15.868	2170	2173	2176	rVB3	80330	90296	1.24%	0.099%
44	15.939	2182	2185	2191	rVB3	104708	163491	2.25%	0.179%
45	16.004	2191	2196	2198	rBV7	69591	112015	1.54%	0.122%
46	16.033	2198	2201	2204	rVV	84932	105917	1.46%	0.116%
47	16.074	2204	2208	2215	rVB4	154327	269603	3.71%	0.295%
48	16.280	2239	2243	2246	rBV5	53569	89478	1.23%	0.098%
49	16.380	2255	2260	2263	rBV2	262934	472745	6.51%	0.517%
50	16.451	2268	2272	2278	rBV2	299057	519931	7.16%	0.568%
51	16.551	2286	2289	2294	rVB3	149851	205469	2.83%	0.225%
52	16.604	2294	2298	2302	rBV4	121448	175736	2.42%	0.192%
53	16.668	2304	2309	2313	rVB3	153288	270471	3.73%	0.296%
54	16.751	2318	2323	2330	rVV	339569	477648	6.58%	0.522%
55	16.910	2347	2350	2353	rBV	135922	180747	2.49%	0.198%
56	17.098	2376	2382	2385	rBV	1356859	2066839	28.48%	2.260%
57	17.139	2385	2389	2394	rVV	4682310	6494692	89.49%	7.101%
58	17.192	2394	2398	2402	rVV	2005449	2947171	40.61%	3.222%
59	17.227	2402	2404	2409	rVB	426742	514394	7.09%	0.562%
60	17.286	2411	2414	2418	rVB2	125822	186071	2.56%	0.203%
61	17.410	2431	2435	2438	rVB3	111579	153332	2.11%	0.168%
62	17.498	2446	2450	2457	rVB	346653	505828	6.97%	0.553%
63	17.615	2467	2470	2474	rVB	149583	179572	2.47%	0.196%
64	17.968	2526	2530	2533	rBV	649385	957718	13.20%	1.047%
65	18.015	2533	2538	2544	rVB2	843365	1822010	25.11%	1.992%
66	18.104	2549	2553	2557	rVV3	178564	278129	3.83%	0.304%
67	18.157	2557	2562	2567	rVV3	1122013	1947452	26.83%	2.129%
68	18.204	2567	2570	2576	rVB	523495	675922	9.31%	0.739%
69	18.474	2612	2616	2619	rBV	392058	519855	7.16%	0.568%
70	18.515	2619	2623	2628	rVB	787859	1069336	14.73%	1.169%
71	18.598	2634	2637	2643	rVB2	155790	229148	3.16%	0.251%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6647-11
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Instrument : BNA_M
ClientSampleId : C0279

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
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72	18.692	2650	2653	2655	rBV3	123429	170202	2.35%	0.186%
73	18.892	2683	2687	2692	rBV	523124	864650	11.91%	0.945%
74	19.033	2708	2711	2719	rBV3	314382	561093	7.73%	0.613%
75	19.157	2727	2732	2738	rVB	5308146	7257443	100.00%	7.935%
76	19.280	2750	2753	2760	rVB3	630601	758554	10.45%	0.829%
77	19.492	2784	2789	2791	rBV2	2802212	3874609	53.39%	4.236%
78	19.521	2791	2794	2802	rVB	4771661	6824061	94.03%	7.461%
79	20.015	2876	2878	2882	rVB	650000	675255	9.30%	0.738%
80	20.115	2893	2895	2899	rVB	442573	484035	6.67%	0.529%
81	20.174	2903	2905	2908	rVB	463414	517046	7.12%	0.565%
82	20.315	2926	2929	2933	rBV	652640	743436	10.24%	0.813%
83	21.280	3088	3093	3097	rBV3	2778207	5494134	75.70%	6.007%
84	21.321	3097	3100	3107	rVB	2588112	3308909	45.59%	3.618%
85	22.856	3357	3361	3366	rBV	1990654	3669231	50.56%	4.012%
86	23.386	3448	3451	3455	rBV2	1290042	1914283	26.38%	2.093%

Sum of corrected areas: 91465668

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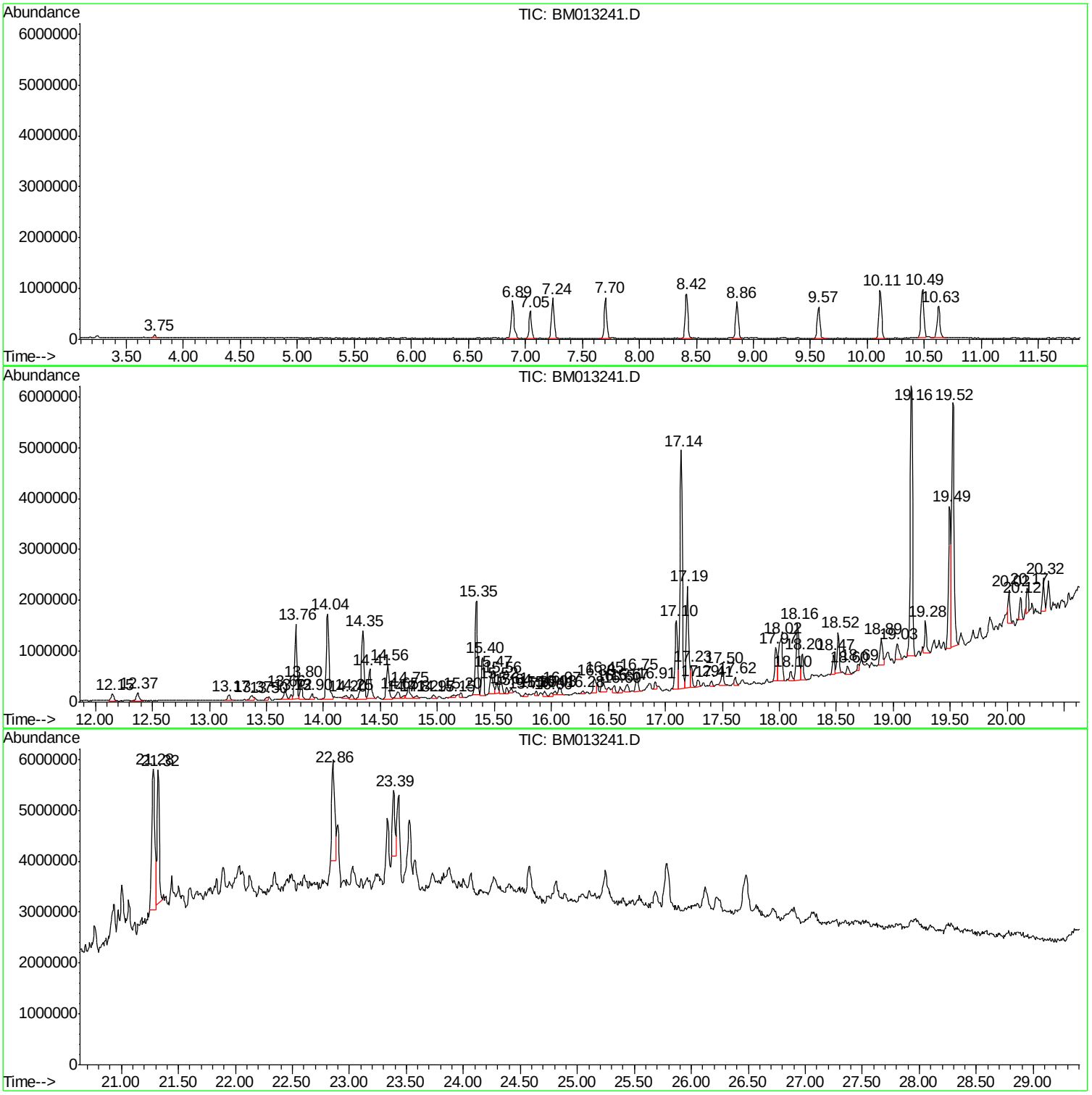
Instrument : BNA_M
ClientSampleId : C0279

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120717\
Data File : BM013241.D
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TIC Library : C:\DATABASE\NIST11.L
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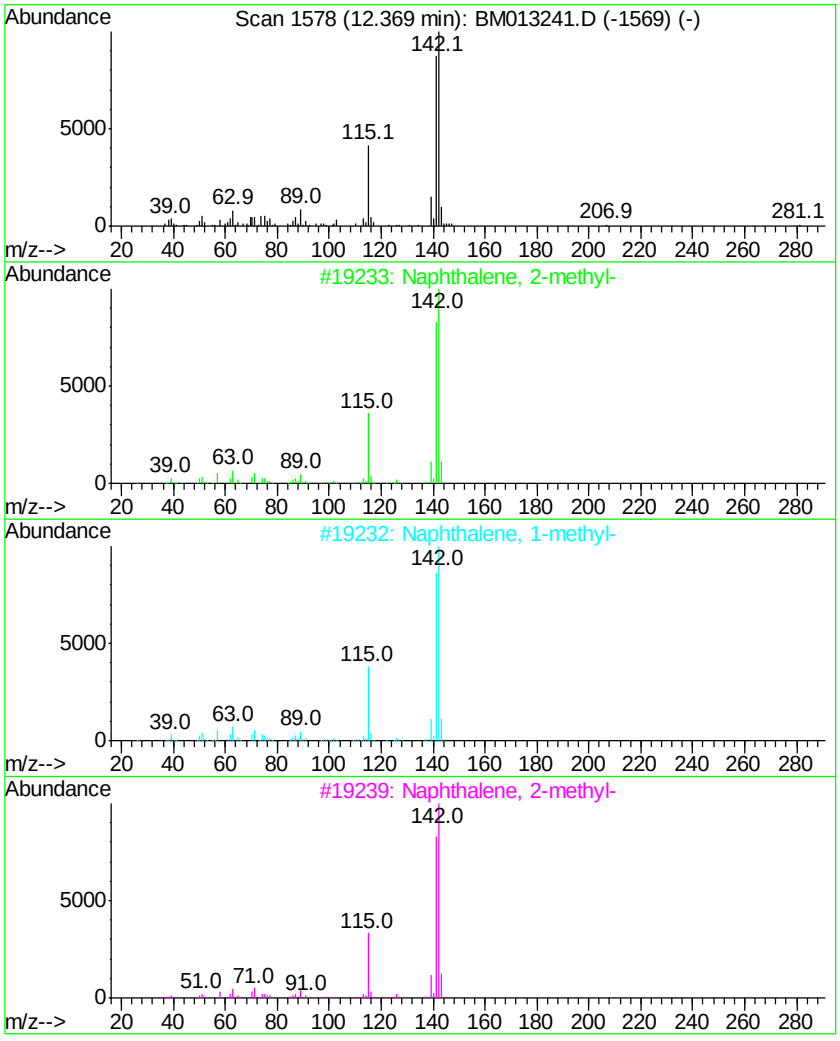
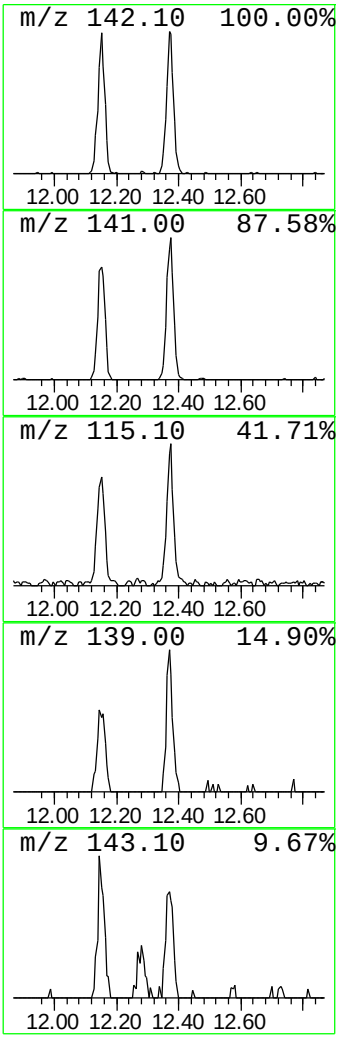
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.32 ng/ul	270063	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Library Search Compound Report

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Data File : BM013241.D
Acq On : 07 Dec 2017 13:53
Operator : SJ/JU
Sample : I6647-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0279

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

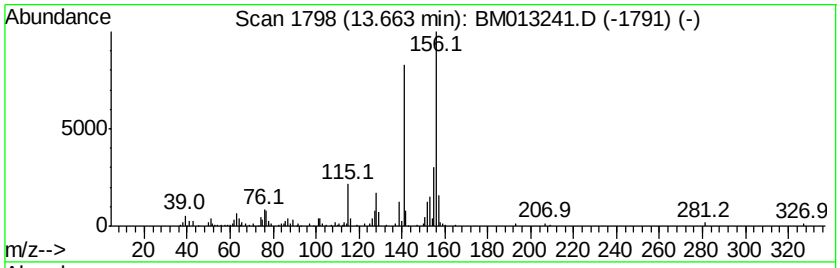
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

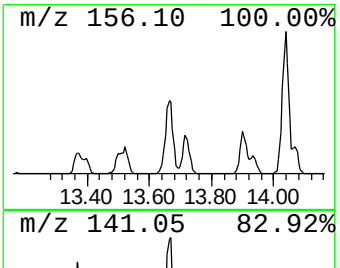
****

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	3.13 ng/ul	341022	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0279

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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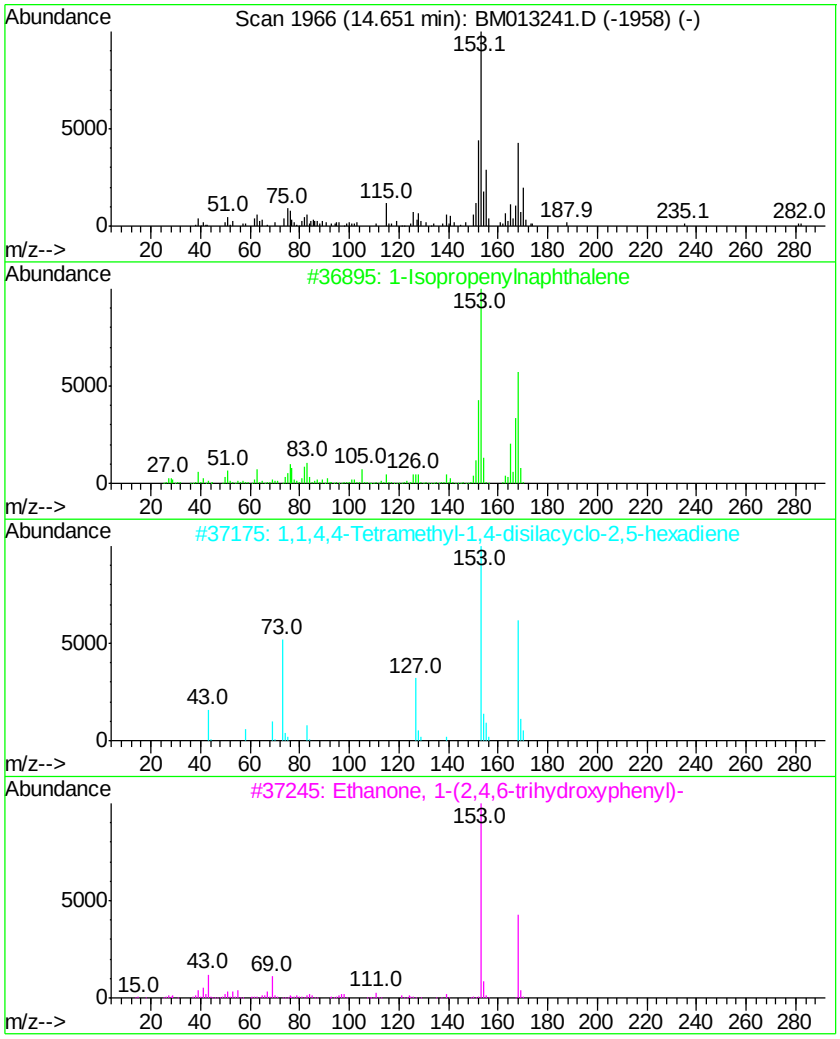
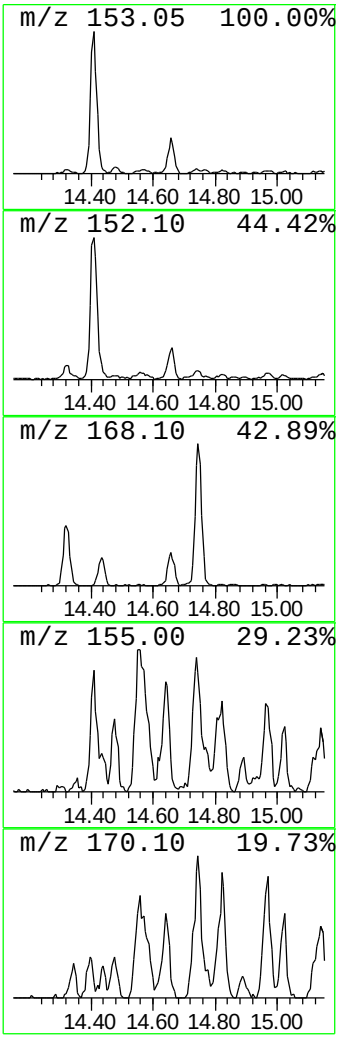
Peak Number 3 1-Isopropenylnaphthalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	2.56 ng/ul	278638	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	86
2	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	46
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	43
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	42
5	7H-Pyrrolo(2,3-d)pyrimidine, 4-c...	153	C6H4ClN3	003680-69-1	38





Library Search Compound Report

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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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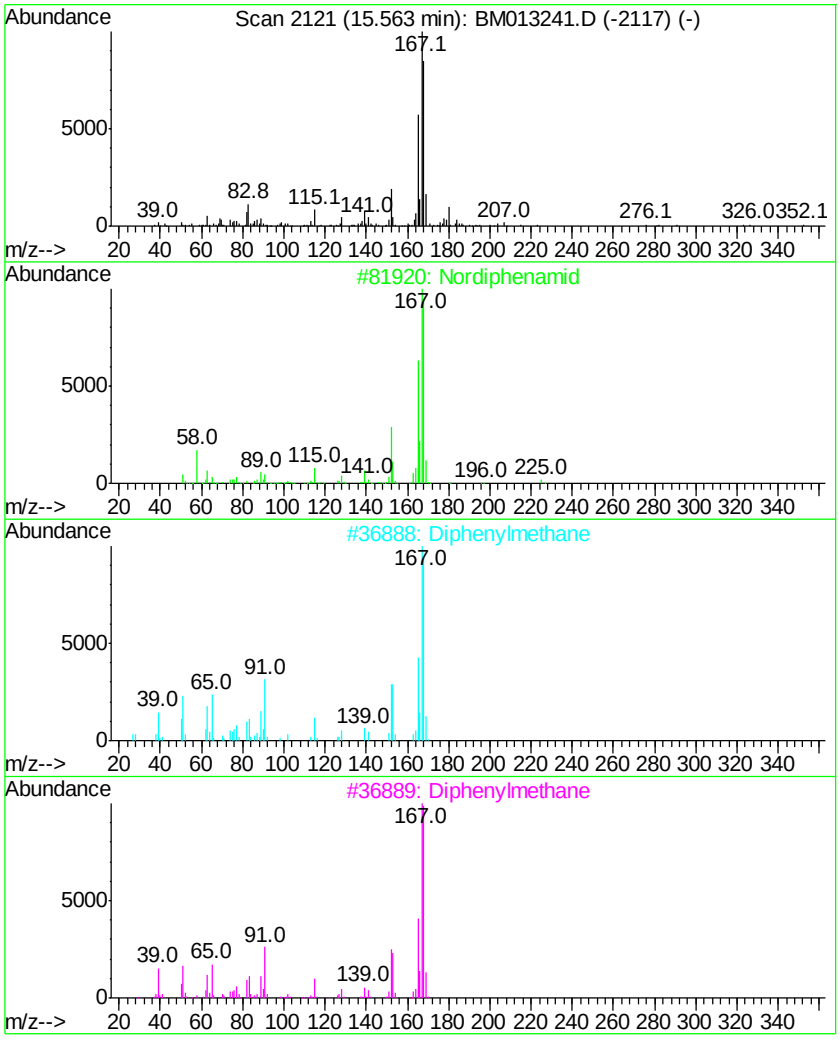
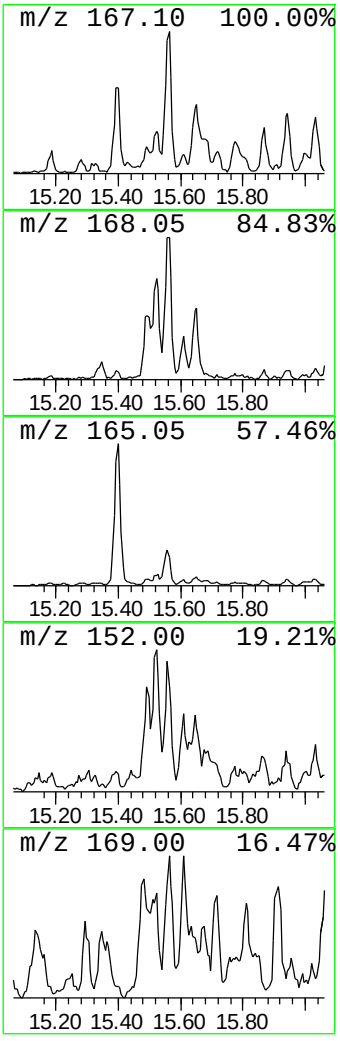
Peak Number 4 Nordiphenamid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	4.19 ng/ul	456392	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Diphenylmethane	168	C13H12	000101-81-5	83
3	Diphenylmethane	168	C13H12	000101-81-5	83
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	83
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	60





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0279

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

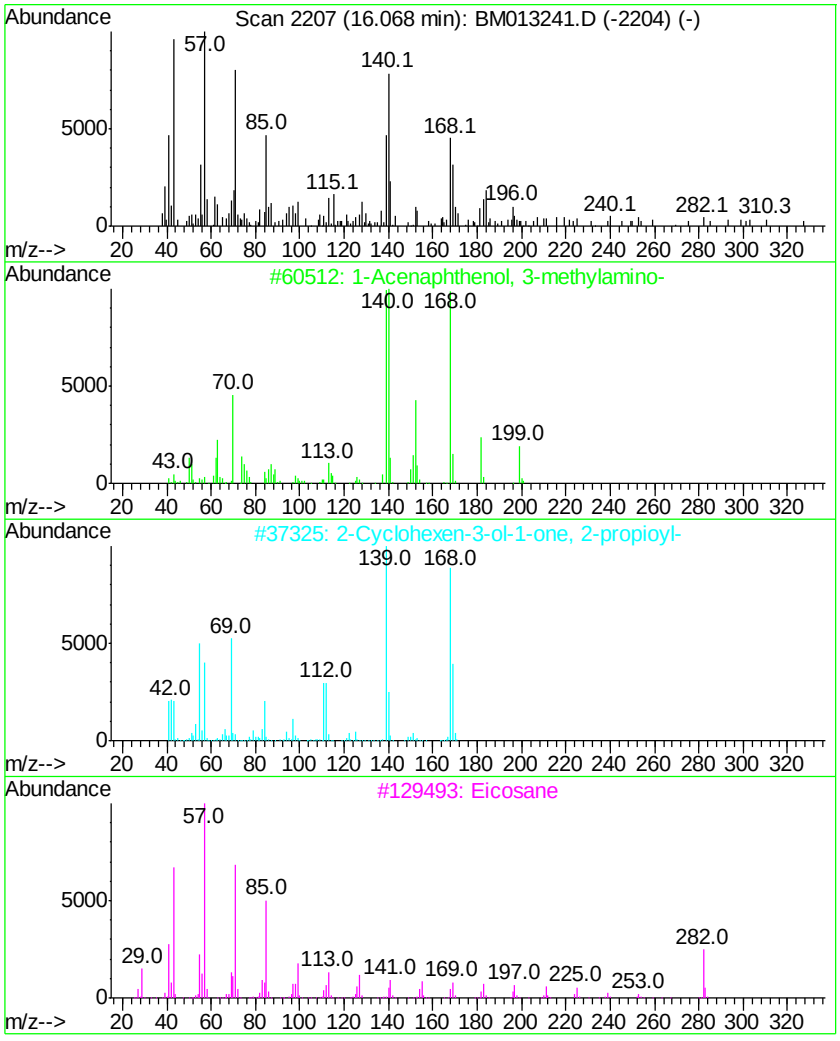
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

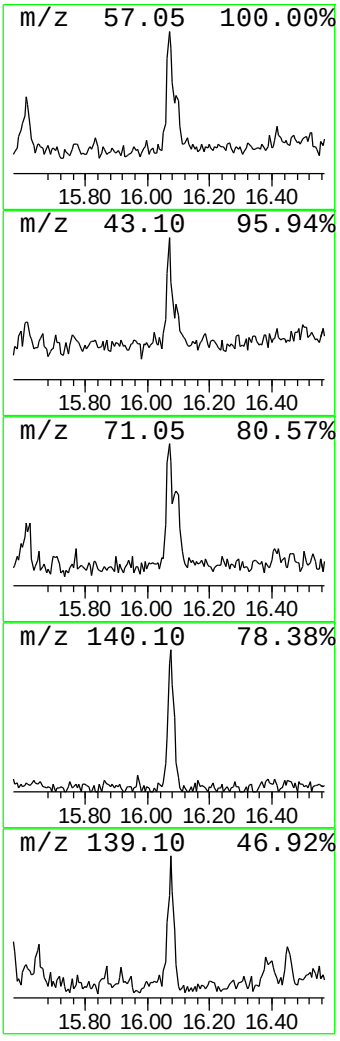
****

Peak Number 5 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	2.61 ng/ul	269603	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthenol, 3-methylamino-	199	C13H13NO	1000129-22-6	49
2	2-Cyclohexen-3-ol-1-one, 2-propi...	168	C9H12O3	062847-90-9	30
3	Eicosane	282	C20H42	000112-95-8	25
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	20
5	Docosane	310	C22H46	000629-97-0	15





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Quant Title : SVOA CALIBRATION

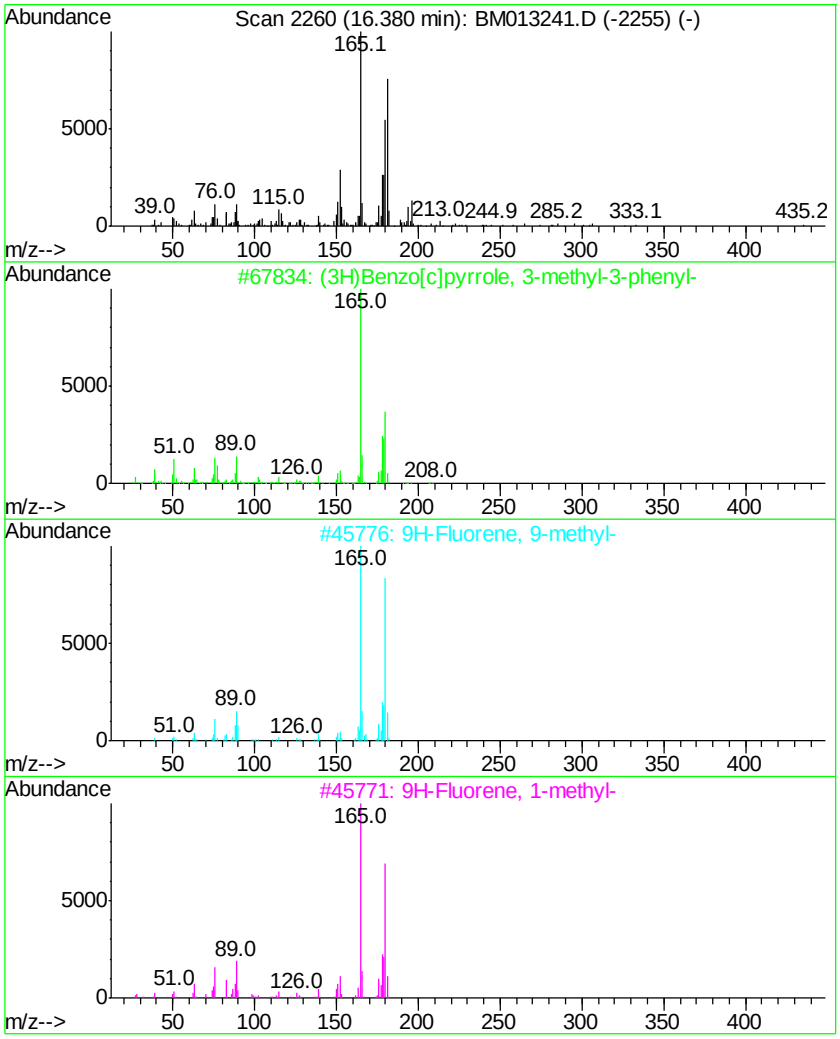
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

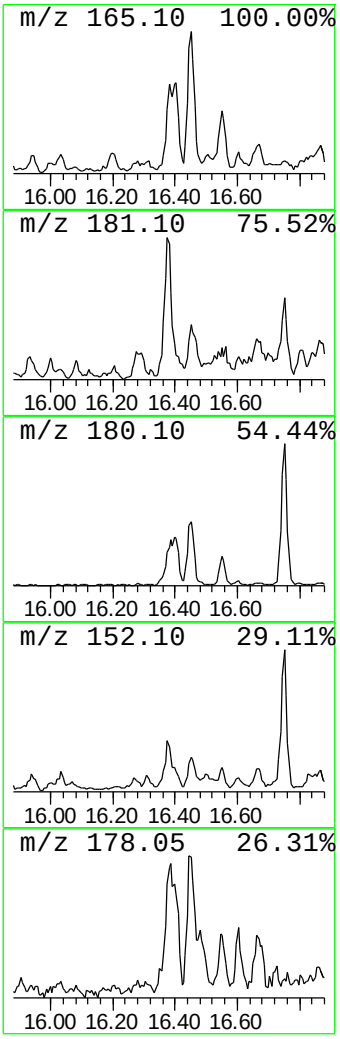
****

Peak Number 6 (3H)Benzo[c]pyrrole, 3-meth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	4.57 ng/ul	472745	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	53
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	50
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50
4	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	50
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50





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Sample : I6647-11
Misc :
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Instrument : BNA_M
ClientSampleId : C0279

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Quant Title : SVOA CALIBRATION

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

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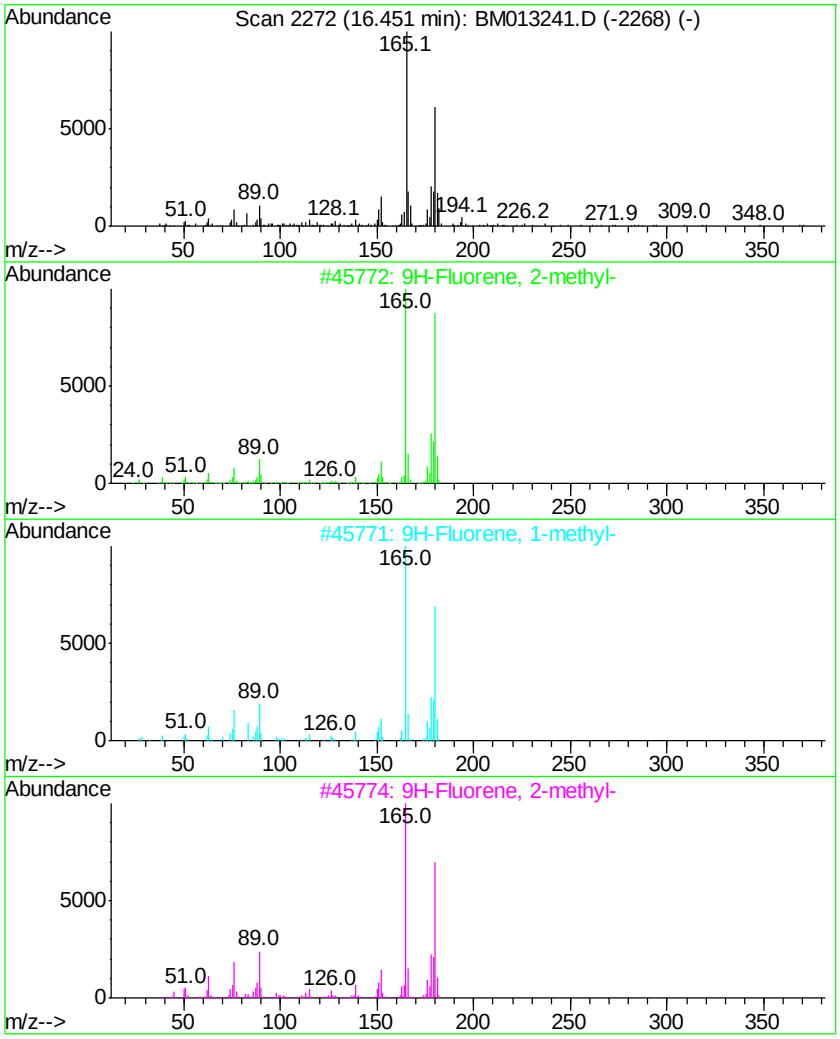
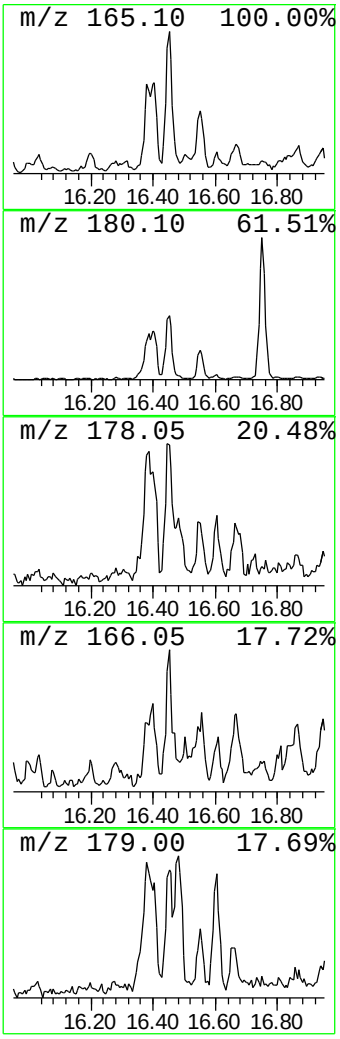
Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	5.03 ng/ul	519931	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	76





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Instrument : BNA_M
ClientSampleId : C0279

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Quant Title : SVOA CALIBRATION

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

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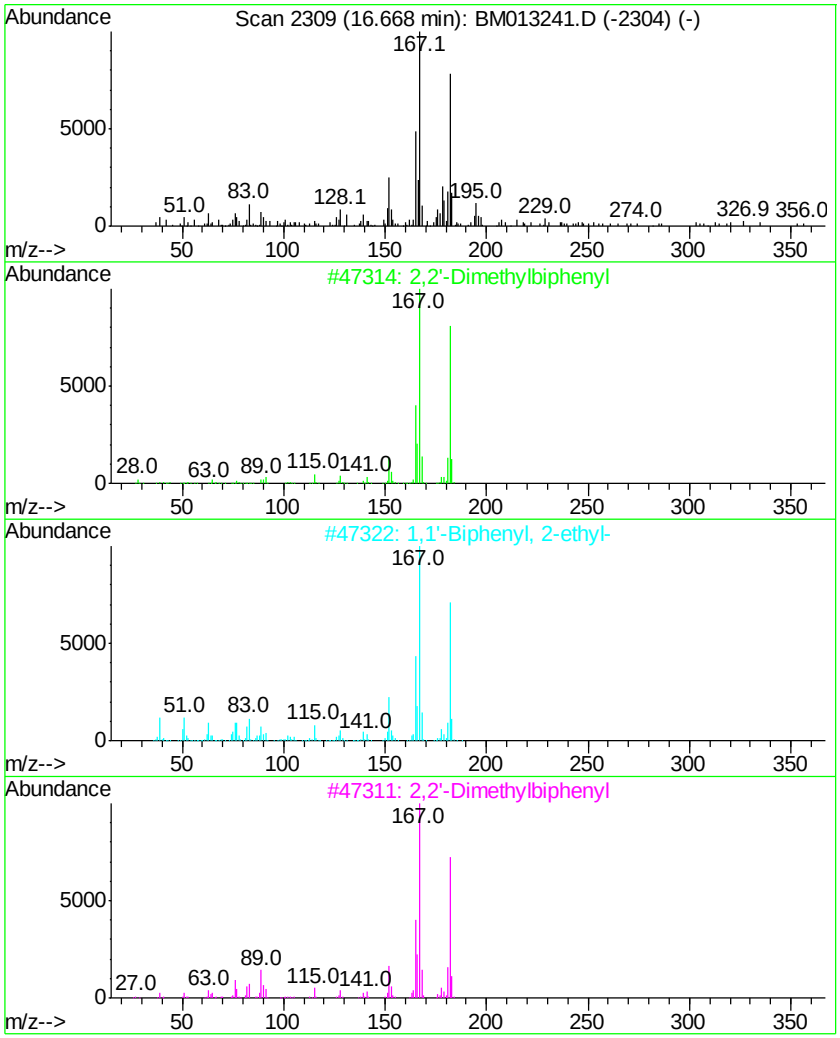
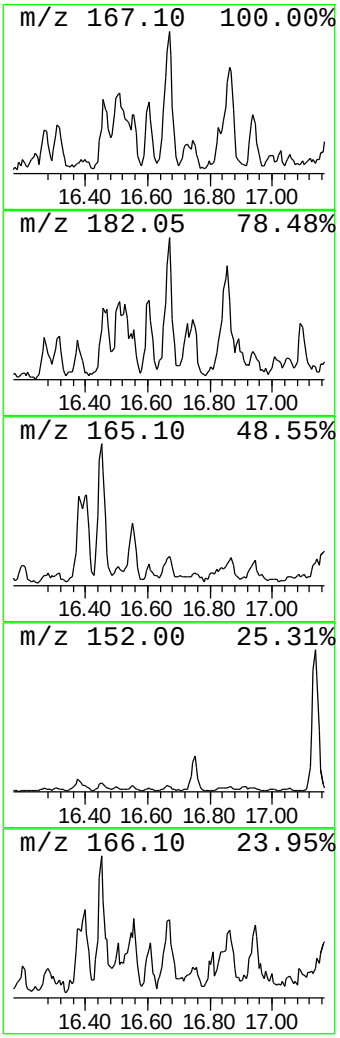
Peak Number 8 2,2'-Dimethylbiphenyl Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	2.62 ng/ul	270471	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	91
2	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	91
3	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	90
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	86
5	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	83





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Instrument : BNA_M
ClientSampleId : C0279

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Quant Title : SVOA CALIBRATION

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

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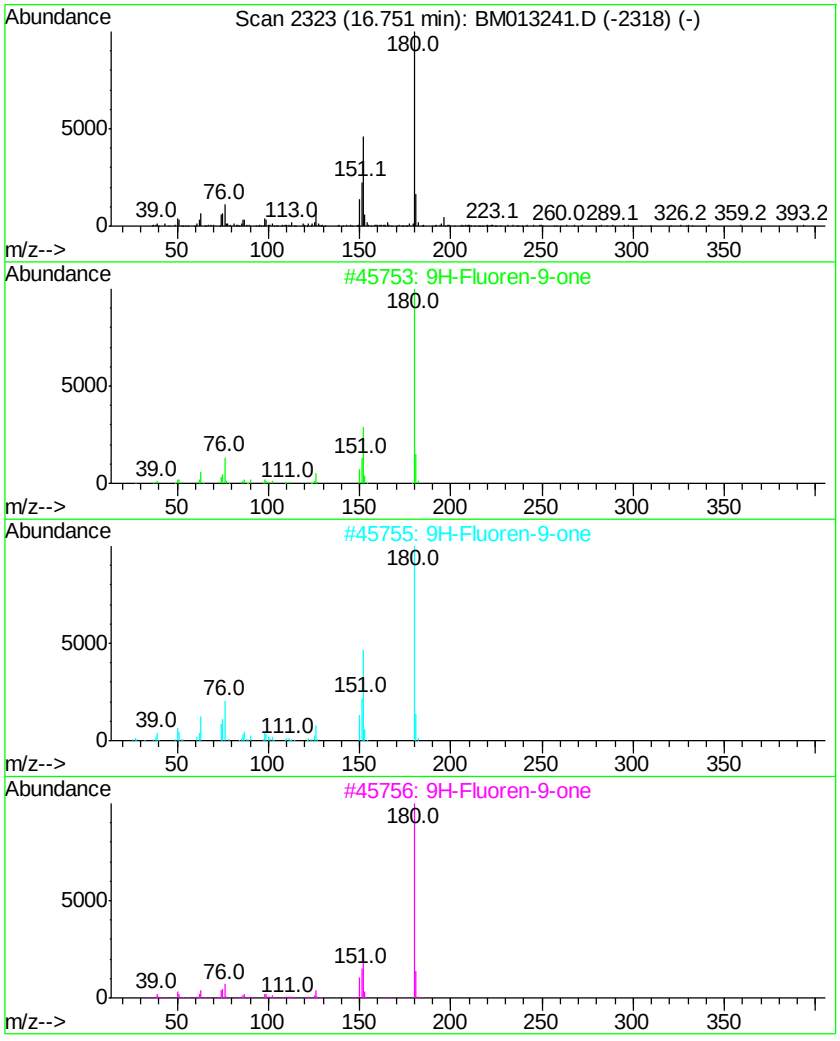
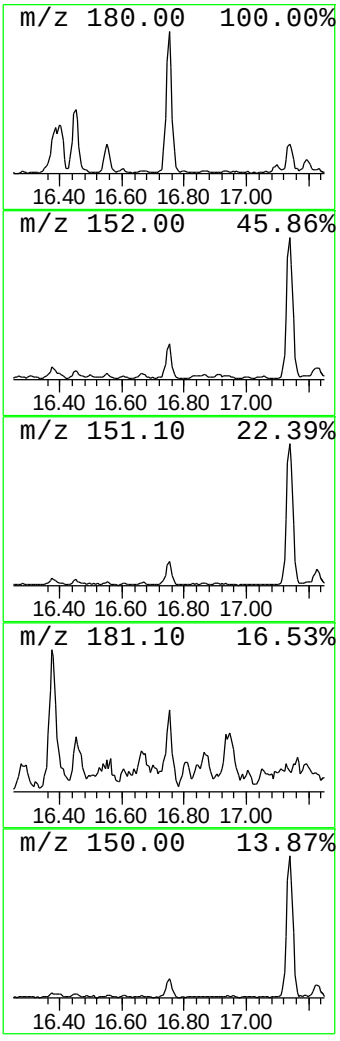
Peak Number 9 9H-Fluoren-9-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	4.62 ng/ul	477648	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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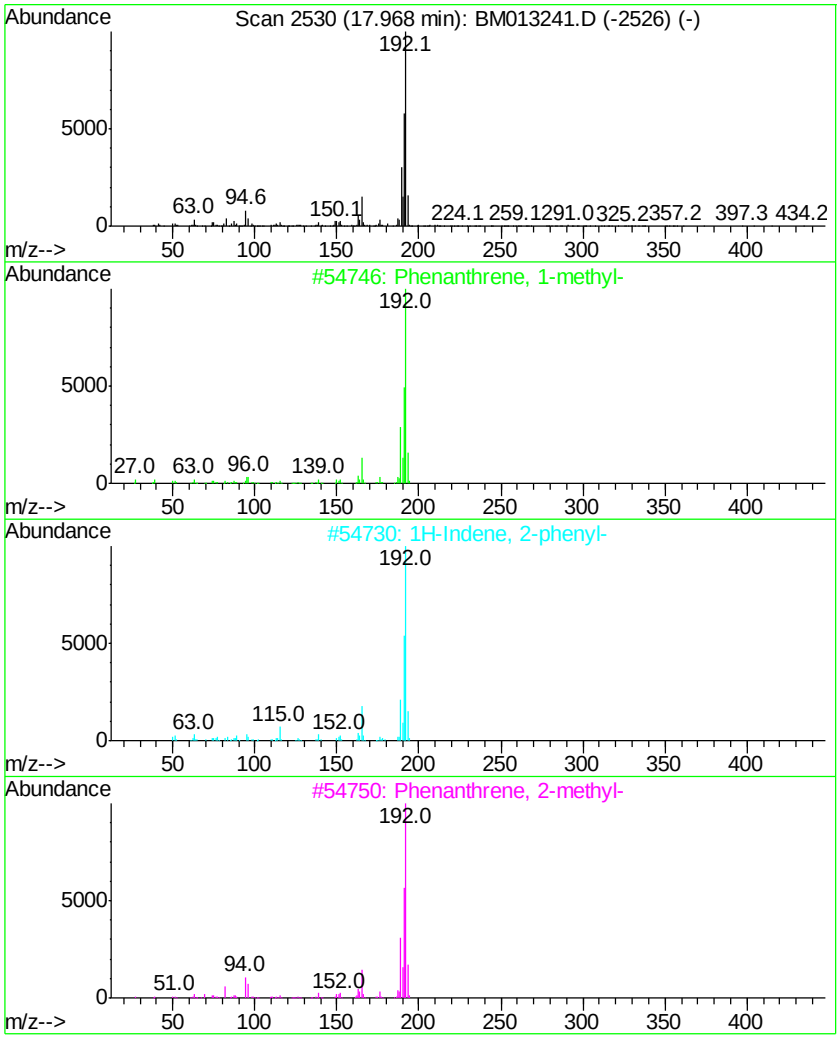
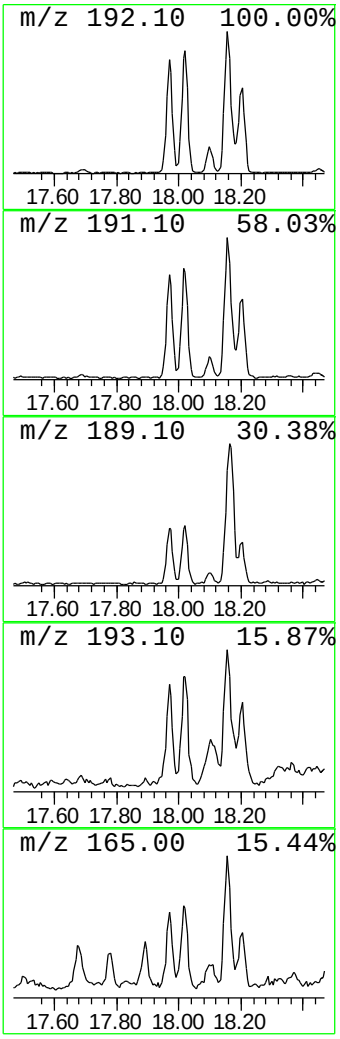
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	9.27 ng/ul	957718	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Misc :
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Instrument : BNA_M
ClientSampleId : C0279

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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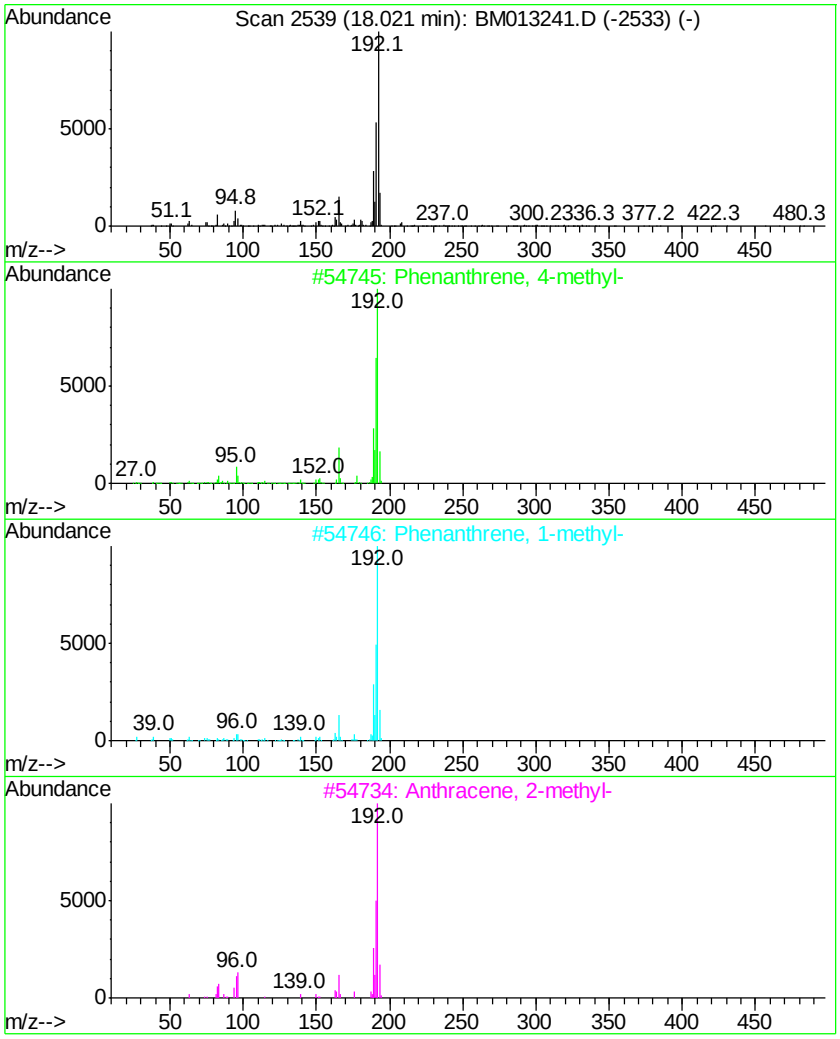
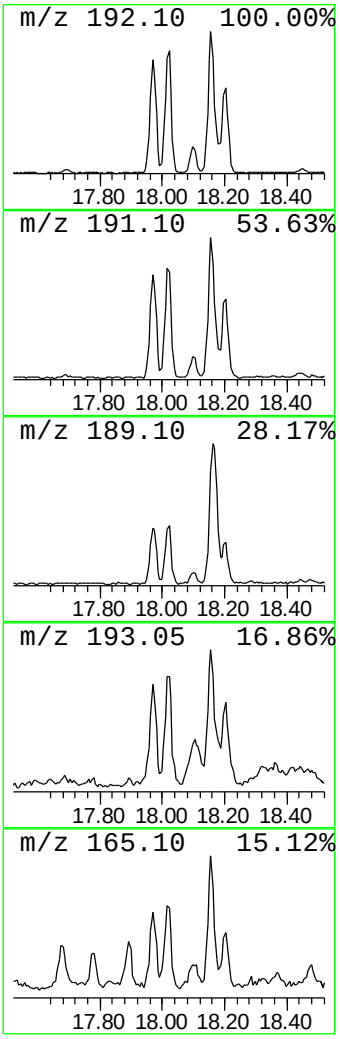
Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	17.63 ng/ul	1822010	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Misc :
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Instrument : BNA_M
ClientSampleId : C0279

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Quant Title : SVOA CALIBRATION

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

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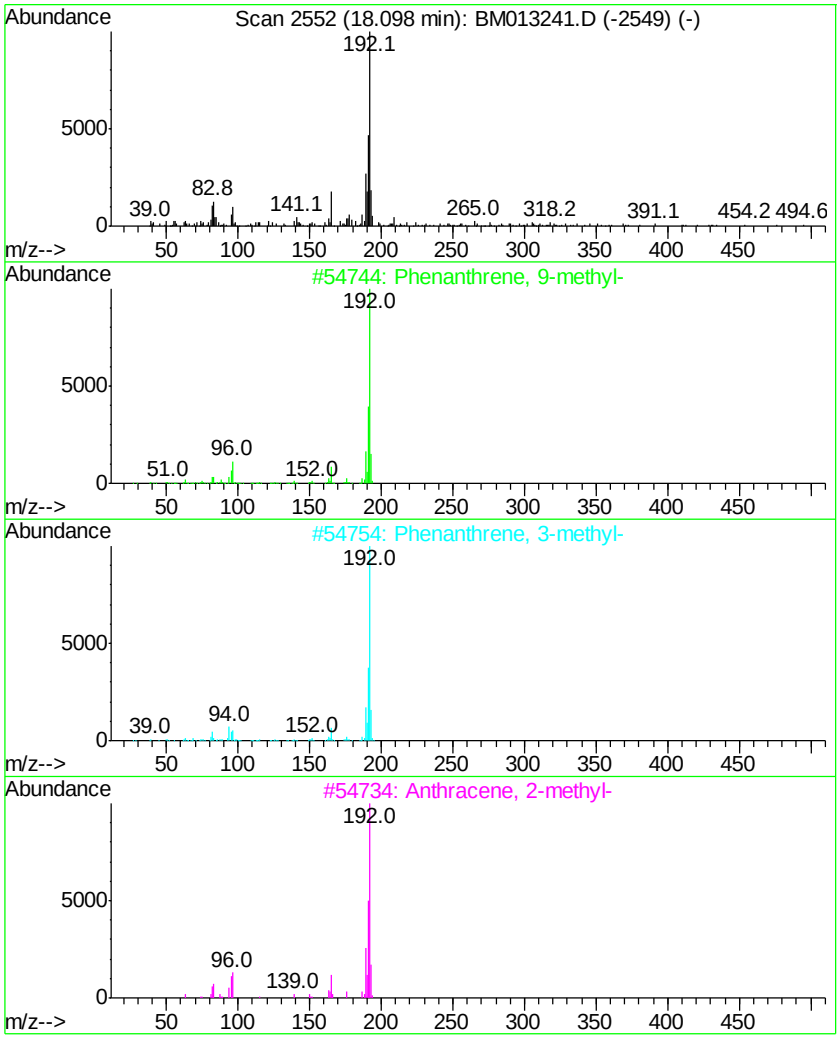
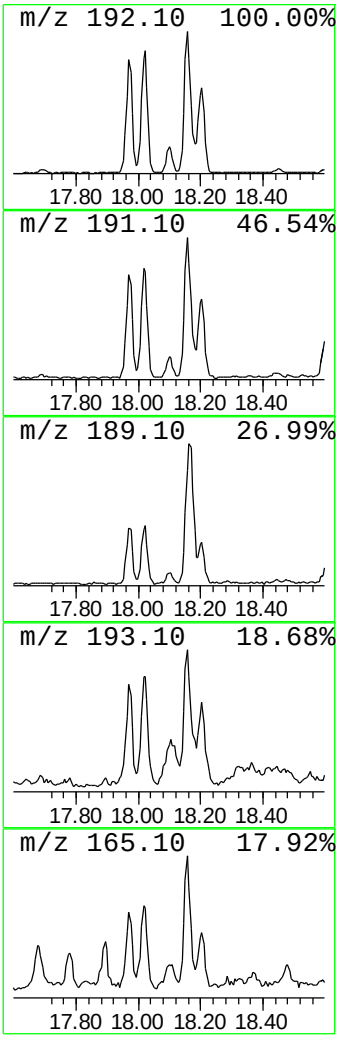
Peak Number 12 Phenanthrene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	2.69 ng/ul	278129	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	76
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	76
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76





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Misc :
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Instrument : BNA_M
ClientSampleId : C0279

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Quant Title : SVOA CALIBRATION

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

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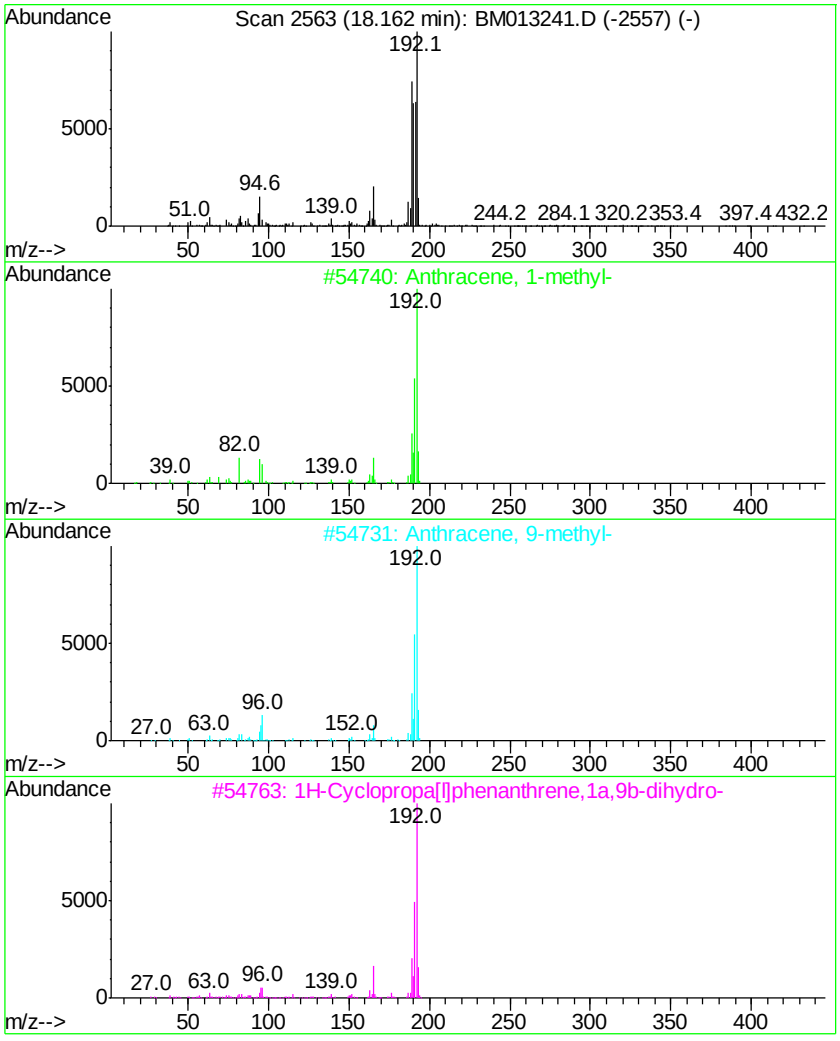
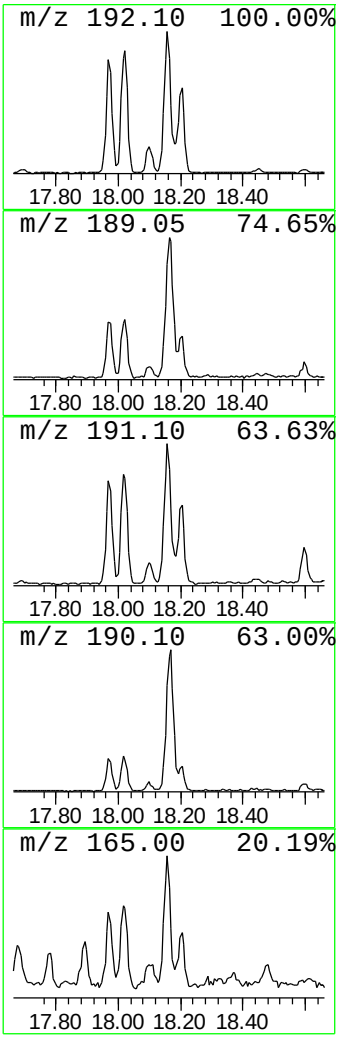
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	18.84 ng/ul	1947450	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	60





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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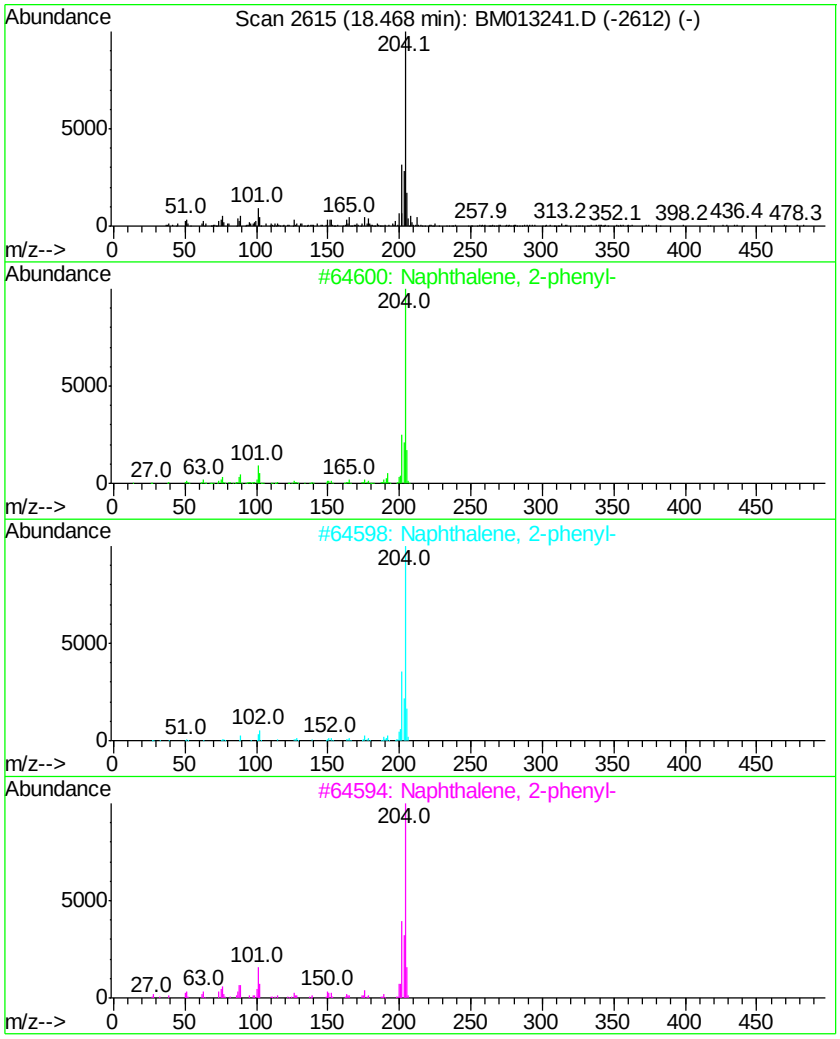
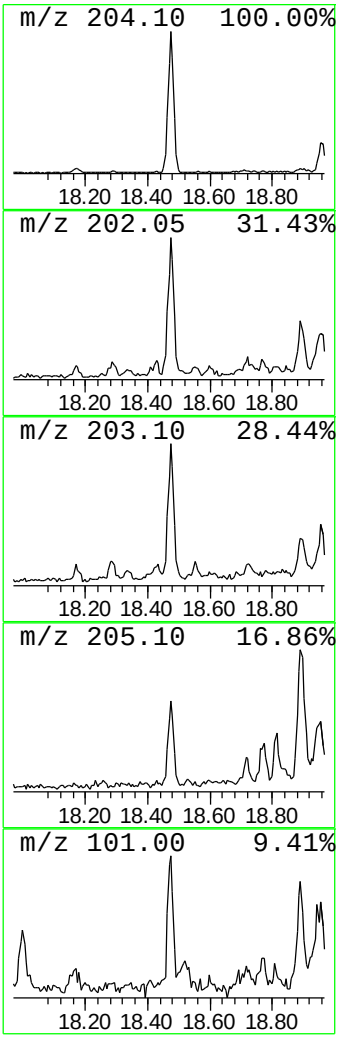
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	5.03 ng/ul	519855	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68





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

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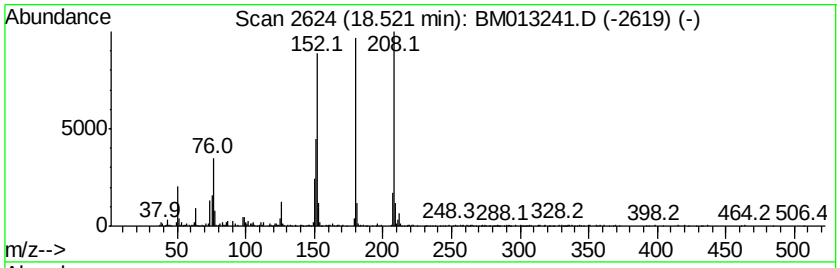
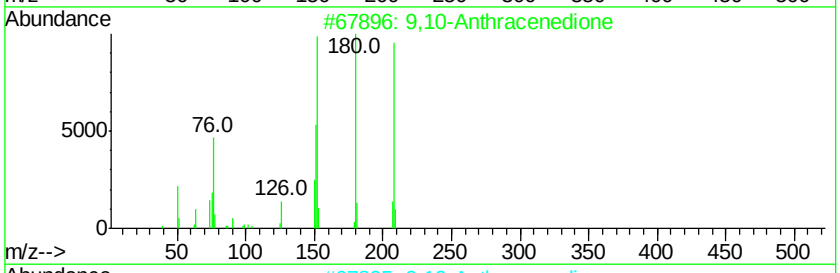
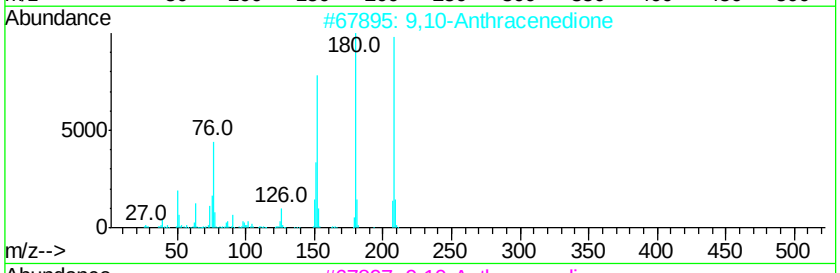
Peak Number 16 9,10-Anthracenedione Concentration Rank 3

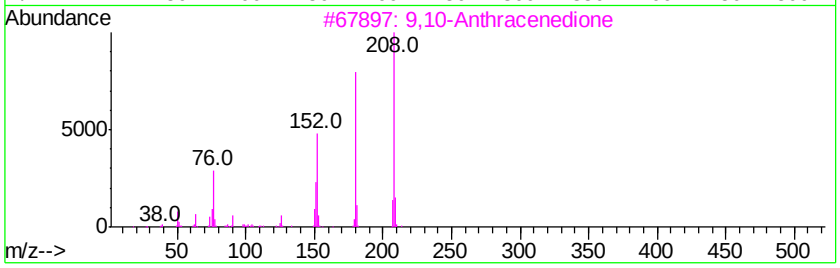
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	10.35 ng/ul	1069340	Phenanthrene-d10	17.10

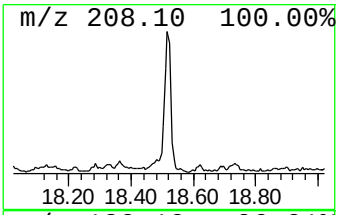
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86

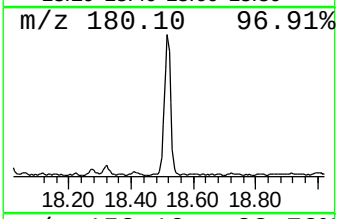


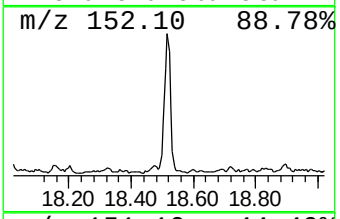


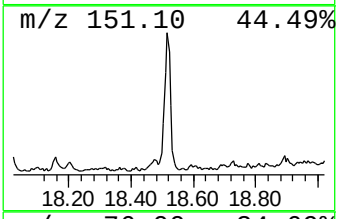


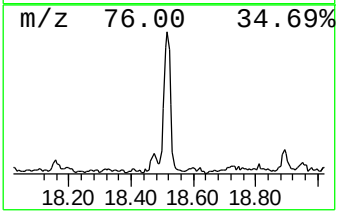












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Quant Title : SVOA CALIBRATION

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

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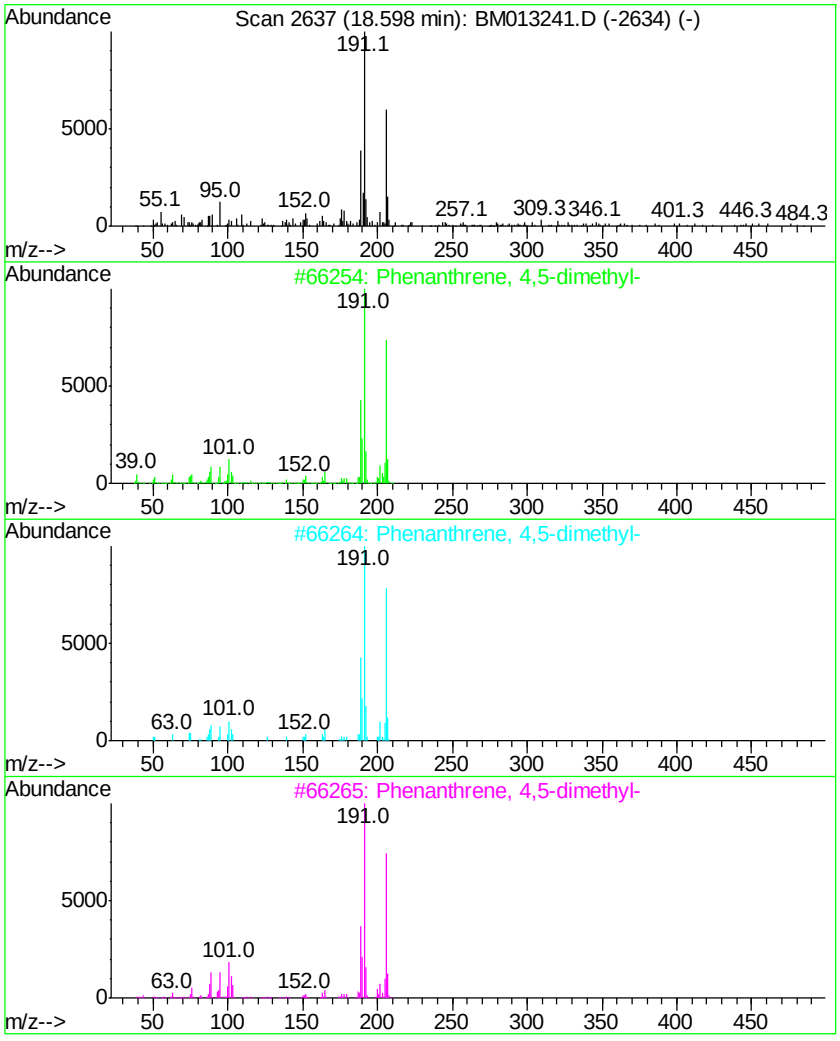
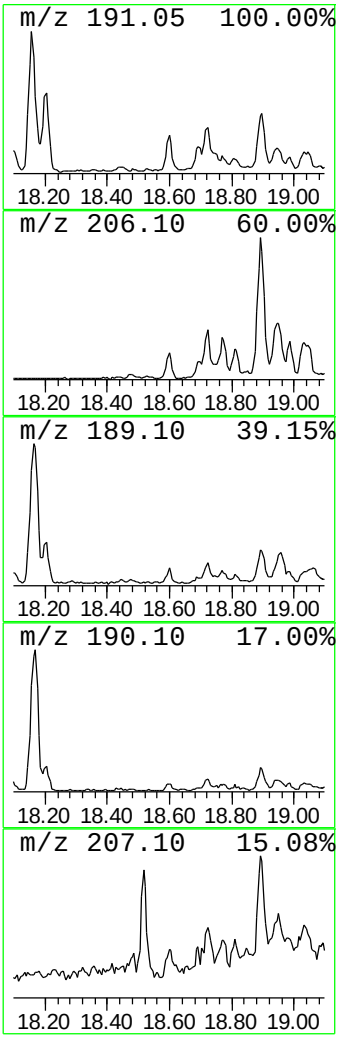
Peak Number 17 Phenanthrene, 4,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	2.22 ng/ul	229148	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
4	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	80
5	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	59





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Acq On : 07 Dec 2017 13:53
Operator : SJ/JU
Sample : I6647-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0279

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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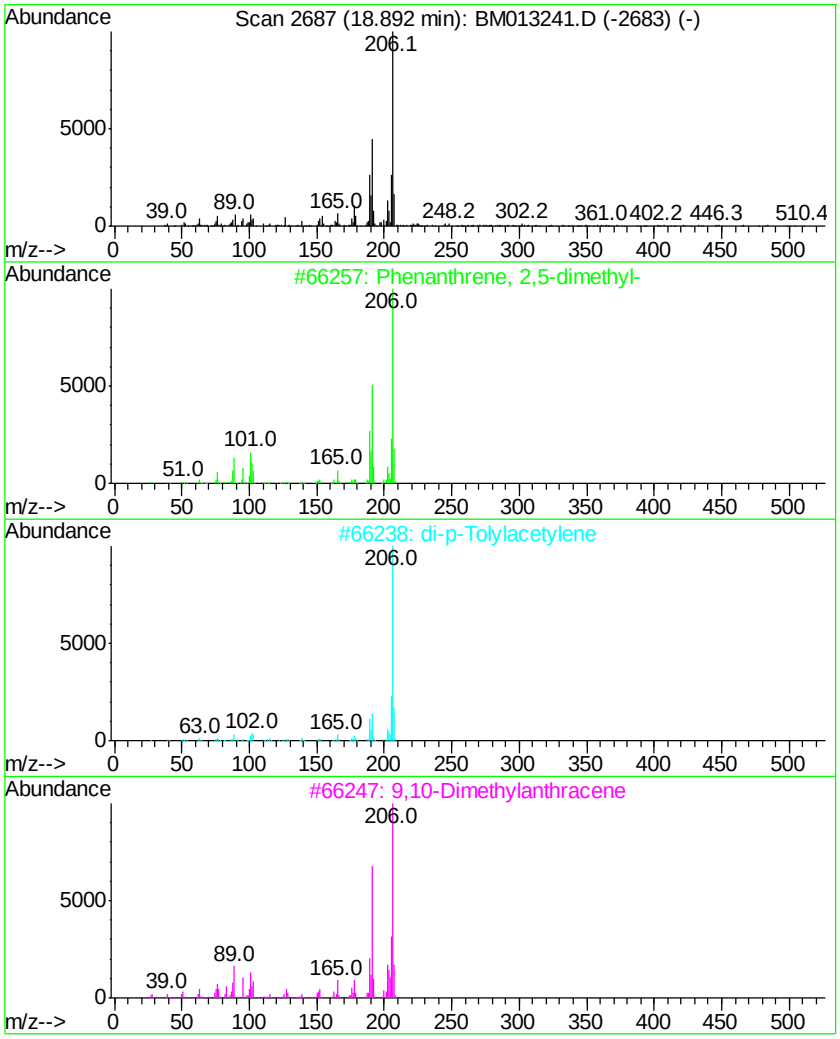
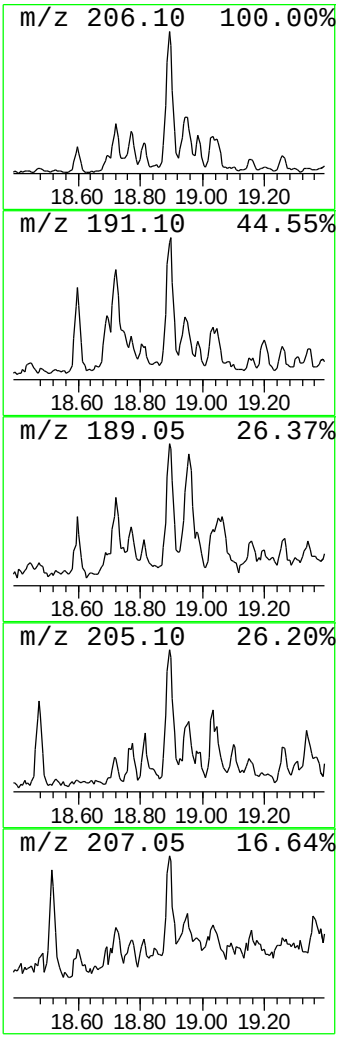
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	8.37 ng/ul	864650	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Library Search Compound Report

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Operator : SJ/JU
Sample : I6647-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0279

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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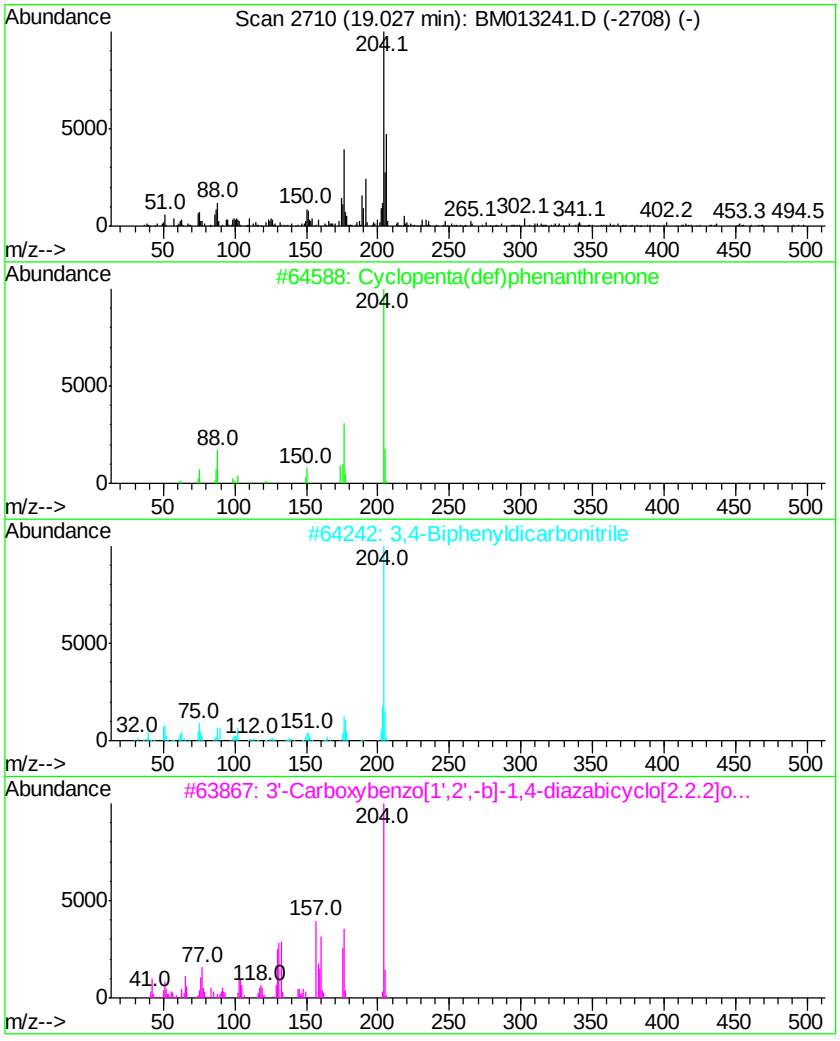
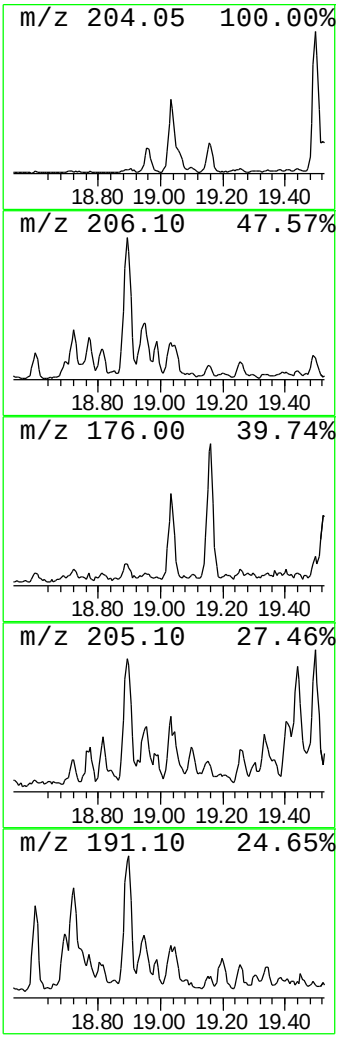
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	5.43 ng/ul	561093	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	53
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3	3'-Carboxybenzo[1',2',-b]-1,4-di...	204	C11H12N2O2	138023-41-3	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





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Sample : I6647-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0279

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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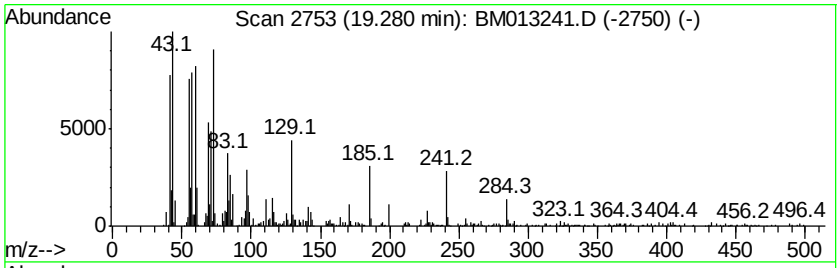
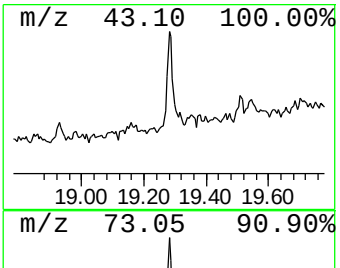
Peak Number 20 Octadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	2.76 ng/ul	758554	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Octadecanoic acid	284	C18H36O2	000057-11-4	98
3	Octadecanoic acid	284	C18H36O2	000057-11-4	98
4	Octadecanoic acid	284	C18H36O2	000057-11-4	95
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89





Library Search Compound Report

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Data File : BM013241.D
Acq On : 07 Dec 2017 13:53
Operator : SJ/JU
Sample : I6647-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0279

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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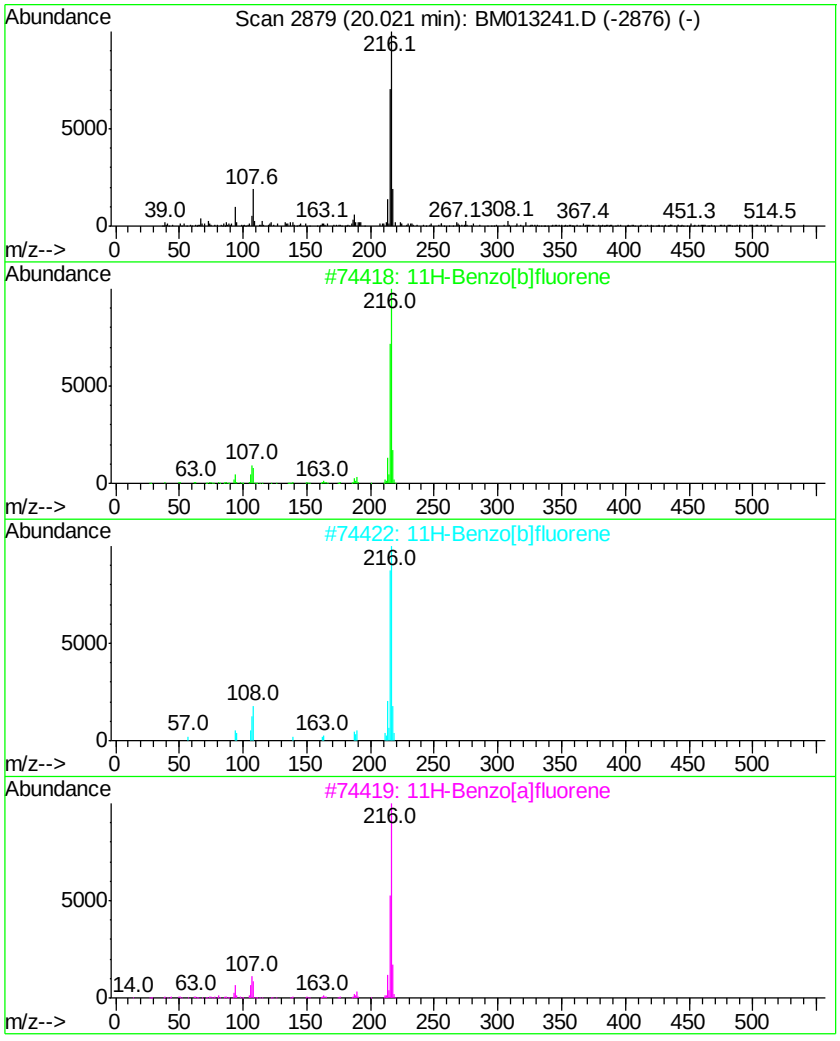
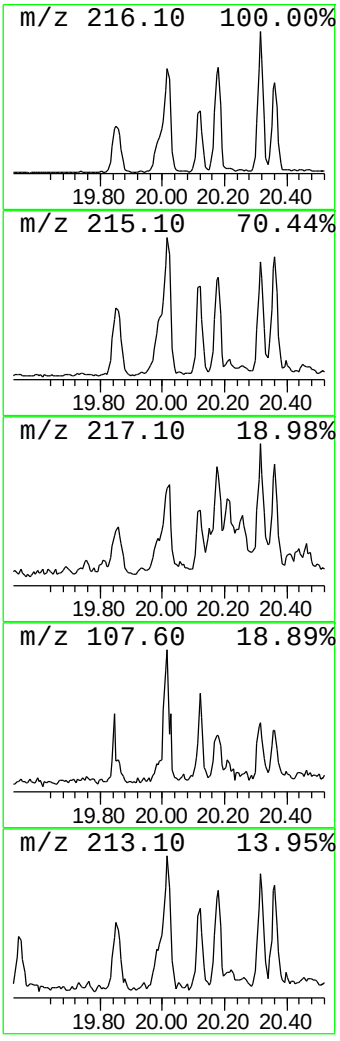
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	2.46 ng/ul	675255	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86





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Data File : BM013241.D
Acq On : 07 Dec 2017 13:53
Operator : SJ/JU
Sample : I6647-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0279

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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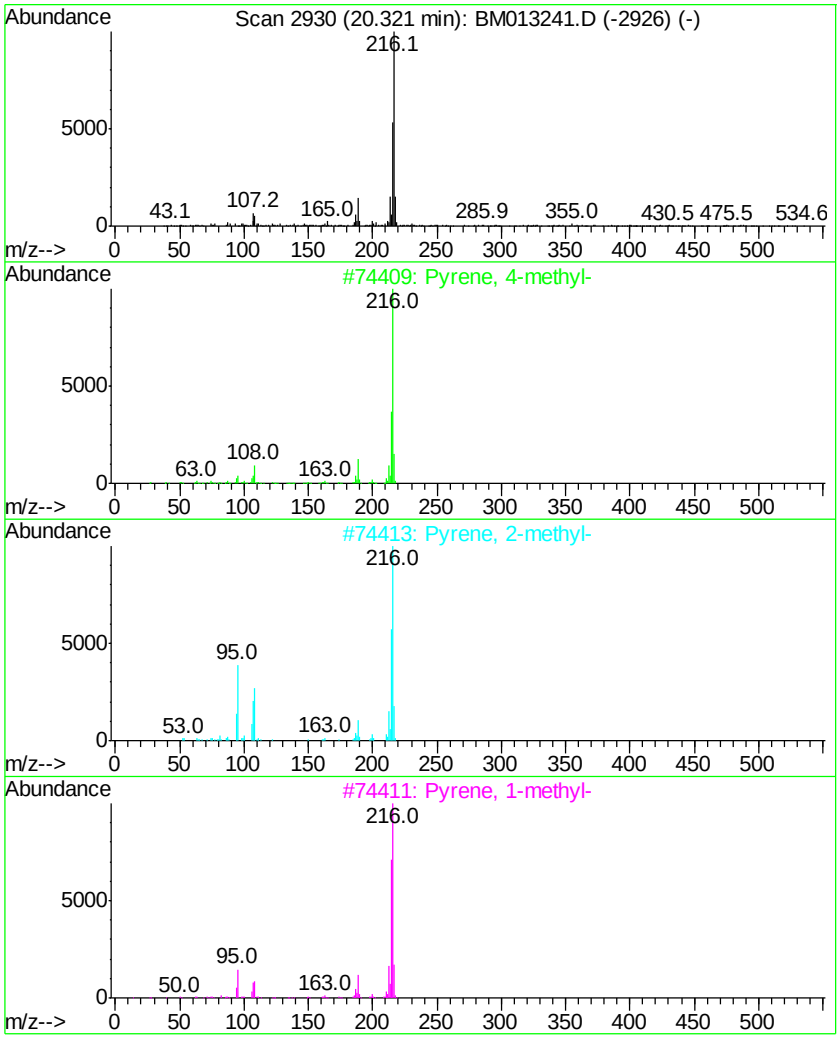
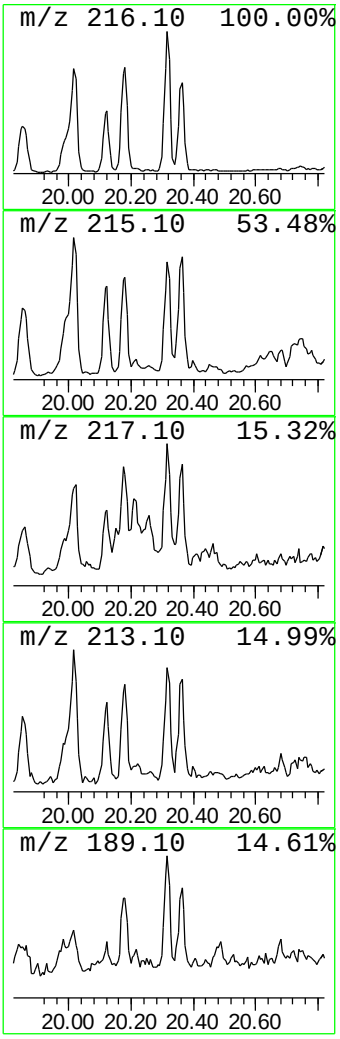
Peak Number 22 Pyrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	2.71 ng/ul	743436	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90





Tentatively Identified Compound (LSC) summary

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Data File : BM013241.D
Acq On : 07 Dec 2017 13:53
Operator : SJ/JU
Sample : I6647-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0279

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-me...	12.37	3.3	ng/ul	270063	2	10.49	1628280	20.0
Naphthalene, 2,7-...	13.66	3.1	ng/ul	341022	3	14.35	2179090	20.0
1-Isopropenylnaph...	14.65	2.6	ng/ul	278638	3	14.35	2179090	20.0
Nordiphenamid	15.56	4.2	ng/ul	456392	3	14.35	2179090	20.0
unknown-01	16.07	2.6	ng/ul	269603	4	17.10	2066840	20.0
(3H)Benzo[c]pyrro...	16.38	4.6	ng/ul	472745	4	17.10	2066840	20.0
9H-Fluorene, 2-me...	16.45	5.0	ng/ul	519931	4	17.10	2066840	20.0
2,2'-Dimethylbiph...	16.67	2.6	ng/ul	270471	4	17.10	2066840	20.0
9H-Fluoren-9-one	16.75	4.6	ng/ul	477648	4	17.10	2066840	20.0
Phenanthrene, 1-m...	17.97	9.3	ng/ul	957718	4	17.10	2066840	20.0
Phenanthrene, 4-m...	18.02	17.6	ng/ul	1822010	4	17.10	2066840	20.0
Phenanthrene, 9-m...	18.10	2.7	ng/ul	278129	4	17.10	2066840	20.0
Anthracene, 1-met...	18.16	18.8	ng/ul	1947450	4	17.10	2066840	20.0
Naphthalene, 2-ph...	18.47	5.0	ng/ul	519855	4	17.10	2066840	20.0
9,10-Anthracenedione	18.52	10.4	ng/ul	1069340	4	17.10	2066840	20.0
Phenanthrene, 4,5...	18.60	2.2	ng/ul	229148	4	17.10	2066840	20.0
Phenanthrene, 2,5...	18.89	8.4	ng/ul	864650	4	17.10	2066840	20.0
Cyclopenta(def)ph...	19.03	5.4	ng/ul	561093	4	17.10	2066840	20.0
Octadecanoic acid	19.28	2.8	ng/ul	758554	5	21.29	5494130	20.0
11H-Benzo[b]fluorene	20.02	2.5	ng/ul	675255	5	21.29	5494130	20.0
Pyrene, 4-methyl-	20.32	2.7	ng/ul	743436	5	21.29	5494130	20.0