LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013326.D
Acq On : 12 Dec 2017 04:19
Operator : SJ/JU
Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

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	10.539	1258	1267	1273	rVV2	35109696	65891013	22.89%	3.205%
2	12.151	1530	1541	1546	rVB	21654251	36066480	12.53%	1.754%
3	12.363	1567	1577	1587	rVB	12172159	21151423	7.35%	1.029%
4	13.157	1705	1712	1718	rBV	4520146	6718435	2.33%	0.327%
5	13.357	1741	1746	1755	rVB	3127403	5613066	1.95%	0.273%
6	13.492	1761	1769	1778	rBV	4543058	12097447	4.20%	0.588%
7	13.657	1786	1797	1801	rBV	6458233	12885403	4.48%	0.627%
8	13.704	1801	1805	1811	rVB	4249644	6286199	2.18%	0.306%
9	13.886	1827	1836	1840	rBV	2839255	5445819	1.89%	0.265%
10	14.245	1891	1897	1901	rBV	2824745	3894761	1.35%	0.189%
11	14.333	1904	1912	1917	rVV4	2430974	6137524	2.13%	0.299%
12	14.416	1917	1926	1931	rVV	41008241	70000033	24.31%	3.405%
13	14.545	1942	1948	1958	rVB2	2174139	5996892	2.08%	0.292%
14	14.645	1958	1965	1969	rBV2	2261793	3930019	1.37%	0.191%
15	14.745	1969	1982	1988	rVV2	27485033	46735372	16.23%	2.273%
16	14.816	1988	1994	1998	rVV	3752809	5681257	1.97%	0.276%
17	14.886	1998	2006	2010	rVV3	3369116	6190874	2.15%	0.301%
18	14.963	2015	2019	2024	rVV2	5242660	9146323	3.18%	0.445%
19	15.010	2024	2027	2031	rVB	2811047	3482732	1.21%	0.169%
20	15.127	2040	2047	2050	rBV	1513402	3036606	1.05%	0.148%
21	15.198	2055	2059	2064	rVB	4110487	5218432	1.81%	0.254%
22	15.404	2084	2094	2098	rBV	28170827	46701124	16.22%	2.272%
23	15.474	2103	2106	2110	rVV2	3468255	6229312	2.16%	0.303%
24	15.515	2110	2113	2116	rVV2	4713872	6186258	2.15%	0.301%
25	15.557	2116	2120	2123	rVV2	3414357	4776023	1.66%	0.232%
26	15.604	2123	2128	2131	rVV2	2529335	3941878	1.37%	0.192%
27	15.639	2131	2134	2137	rVV2	2606032	3090548	1.07%	0.150%
28	15.686	2137	2142	2150	rVB2	7065028	12418433	4.31%	0.604%
29	15.833	2158	2167	2174	rVB	6988821	16117758	5.60%	0.784%
30	16.063	2201	2206	2218	rVB	7637303	11920086	4.14%	0.580%
31	16.345	2250	2254	2257	rBV2	2147124	3377157	1.17%	0.164%
32	16.392	2257	2262	2267	rVV3	4074484	8405463	2.92%	0.409%
33	16.445	2267	2271	2275	rVV2	3862856	5913507	2.05%	0.288%
34	16.521	2281	2284	2292	rVB5	1980660	4610557	1.60%	0.224%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013326.D
Acq On : 12 Dec 2017 04:19
Operator : SJ/JU
Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

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	16.627	2298	2302	2304	rVV	2009118	3219801	1.12%	0.157%
36	16.662	2304	2308	2318	rVV4	3403600	7631844	2.65%	0.371%
37	16.810	2318	2333	2339	rVV3	92029692	287912861	100.00%	14.005%
38	16.862	2339	2342	2346	rVV2	10765348	14697083	5.10%	0.715%
39	16.921	2346	2352	2362	rVB	10138437	19638015	6.82%	0.955%
40	17.186	2377	2397	2400	rBV2	81094404	210537607	73.13%	10.241%
41	17.268	2400	2411	2415	rVV2	61554942	116860472	40.59%	5.684%
42	17.509	2443	2452	2462	rBV2	12978017	24851432	8.63%	1.209%
43	17.592	2462	2466	2474	rVV2	6599161	12559450	4.36%	0.611%
44	17.674	2476	2480	2489	rVB2	5284414	9769295	3.39%	0.475%
45	17.815	2500	2504	2510	rVB	1956391	3275113	1.14%	0.159%
46	17.974	2525	2531	2535	rVV	12284462	18411419	6.39%	0.896%
47	18.021	2535	2539	2544	rVB	18457149	26536743	9.22%	1.291%
48	18.104	2544	2553	2558	rBV	5520174	10137590	3.52%	0.493%
49	18.174	2558	2565	2568	rBV2	21722020	38364348	13.32%	1.866%
50	18.204	2568	2570	2575	rVB	7967990	9027906	3.14%	0.439%
51	18.286	2579	2584	2587	rBV	6303675	8329634	2.89%	0.405%
52	18.368	2593	2598	2601	rBV	2653980	3506288	1.22%	0.171%
53	18.468	2610	2615	2619	rBV2	6815227	10844201	3.77%	0.527%
54	18.527	2619	2625	2632	rVV2	8727929	16278316	5.65%	0.792%
55	18.715	2649	2657	2662	rBV3	3602533	8165621	2.84%	0.397%
56	18.768	2662	2666	2669	rVV	3190358	4431915	1.54%	0.216%
57	18.809	2669	2673	2680	rVB	2778047	4239005	1.47%	0.206%
58	18.892	2681	2687	2691	rBV	5304882	9597291	3.33%	0.467%
59	18.933	2691	2694	2701	rVB3	5002828	7241725	2.52%	0.352%
60	19.068	2708	2717	2723	rBV	9077662	18811677	6.53%	0.915%
61	19.209	2727	2741	2744	rVV3	89194722	244621657	84.96%	11.899%
62	19.262	2747	2750	2757	rVB2	2765194	3855648	1.34%	0.188%
63	19.403	2767	2774	2780	rBV2	5786008	10349895	3.59%	0.503%
64	19.539	2787	2797	2799	rBV2	63191847	132698288	46.09%	6.455%
65	19.598	2805	2807	2813	rVB2	6201579	6958231	2.42%	0.338%
66	19.703	2817	2825	2830	rVV	7603181	11796122	4.10%	0.574%
67	19.768	2831	2836	2841	rVB	3228083	5196121	1.80%	0.253%
68	19.856	2843	2851	2856	rBV2	6091945	15449671	5.37%	0.752%
69	19.980	2867	2872	2873	rBV2	4734044	6367280	2.21%	0.310%
70	20.015	2875	2878	2884	rVB	8344876	12728301	4.42%	0.619%
71	20.115	2891	2895	2898	rBV	3824749	4576904	1.59%	0.223%

LSC Area Percent Report

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Acq On : 12 Dec 2017 04:19
Operator : SJ/JU
Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

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

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

72	20.174	2898	2905	2908	rVV2	6592619	11447990	3.98%	0.557%
73	20.209	2908	2911	2915	rVB	4018506	4437576	1.54%	0.216%
74	20.315	2924	2929	2932	rBV	3737056	4981983	1.73%	0.242%
75	20.356	2932	2936	2940	rVB2	3701314	4696267	1.63%	0.228%
76	20.762	3000	3005	3011	rVB	8863626	11651398	4.05%	0.567%
77	20.921	3026	3032	3036	rBV2	6829905	10923064	3.79%	0.531%
78	20.962	3036	3039	3042	rVV	6329777	7736642	2.69%	0.376%
79	21.003	3042	3046	3050	rVV2	5280786	8079539	2.81%	0.393%
80	21.062	3050	3056	3066	rVB2	7697518	12437081	4.32%	0.605%
81	21.162	3066	3073	3076	rBV2	1596609	3204762	1.11%	0.156%
82	21.274	3083	3092	3096	rBV2	26383089	46327089	16.09%	2.253%
83	21.333	3096	3102	3109	rVB	27781179	43553367	15.13%	2.119%
84	21.586	3140	3145	3150	rBV2	2079048	3322356	1.15%	0.162%
85	21.827	3182	3186	3190	rVV	2530279	3786470	1.32%	0.184%
86	22.850	3352	3360	3364	rBV	9813007	21961795	7.63%	1.068%
87	23.321	3433	3440	3445	rVV	3932252	6836676	2.37%	0.333%
88	23.415	3449	3456	3462	rVV	4210057	7438078	2.58%	0.362%
89	23.503	3466	3471	3475	rVV	1573530	2924784	1.02%	0.142%
90	25.738	3843	3851	3866	rVB2	1341254	5289527	1.84%	0.257%

Sum of corrected areas: 2055805428

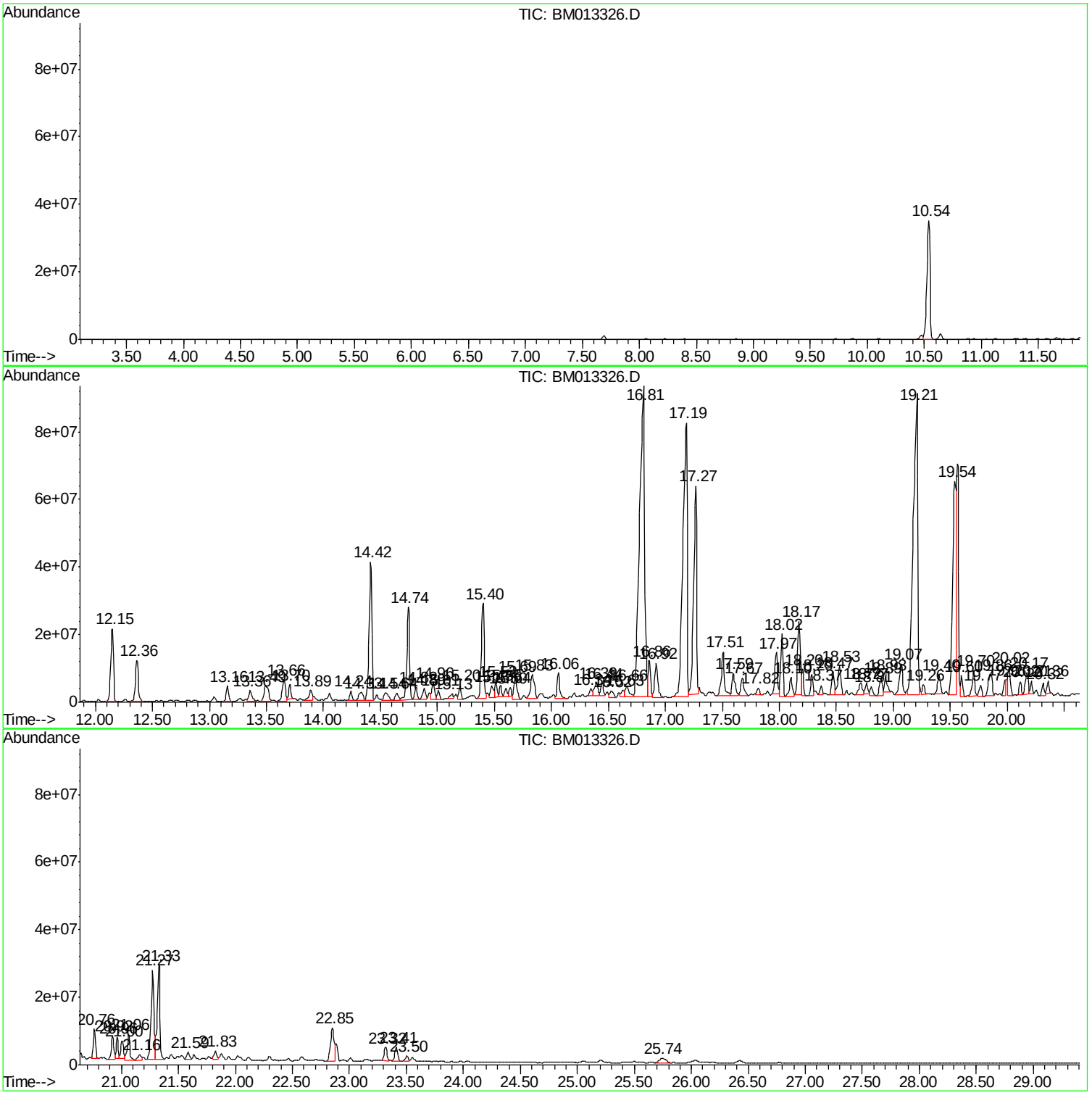
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013326.D
Acq On : 12 Dec 2017 04:19
Operator : SJ/JU
Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013326.D
Acq On : 12 Dec 2017 04:19
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Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

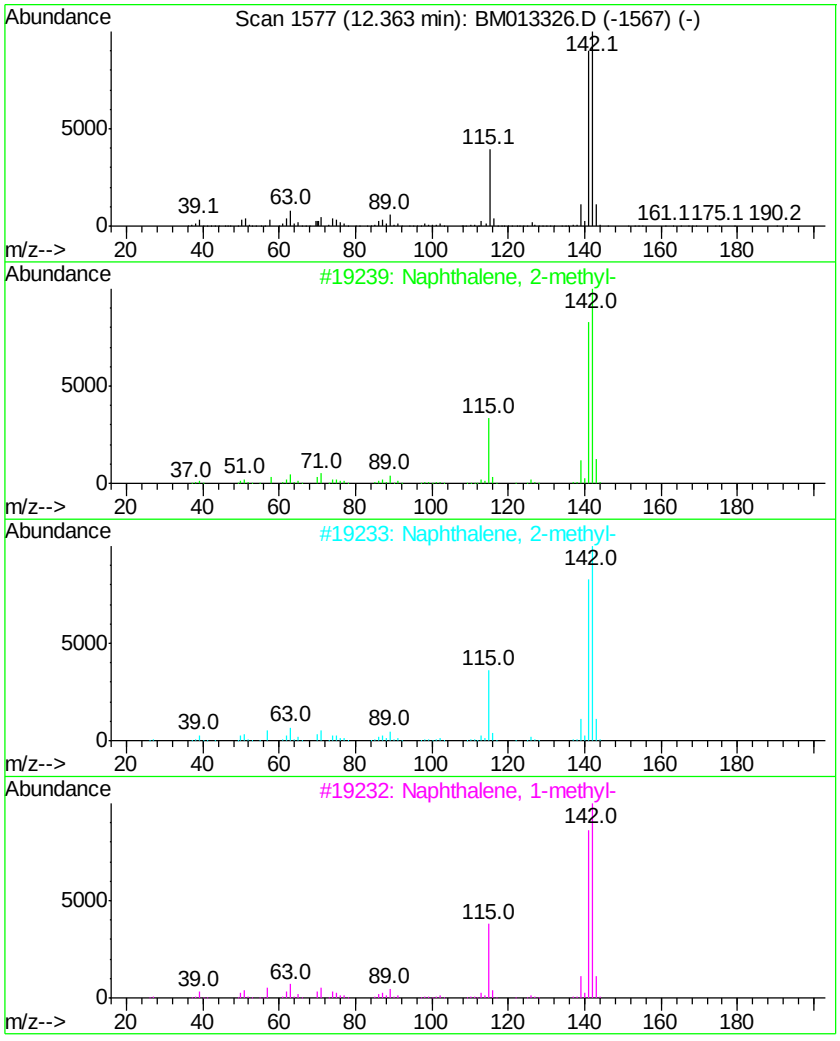
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

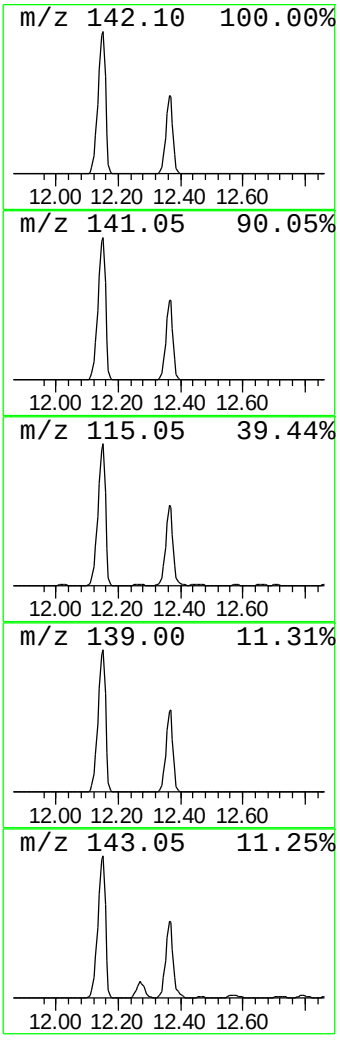
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	6.42 ng/ul	21151400	Naphthalene-d8	10.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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, 2-methyl-	142	C11H10	000091-57-6	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013326.D
Acq On : 12 Dec 2017 04:19
Operator : SJ/JU
Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

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

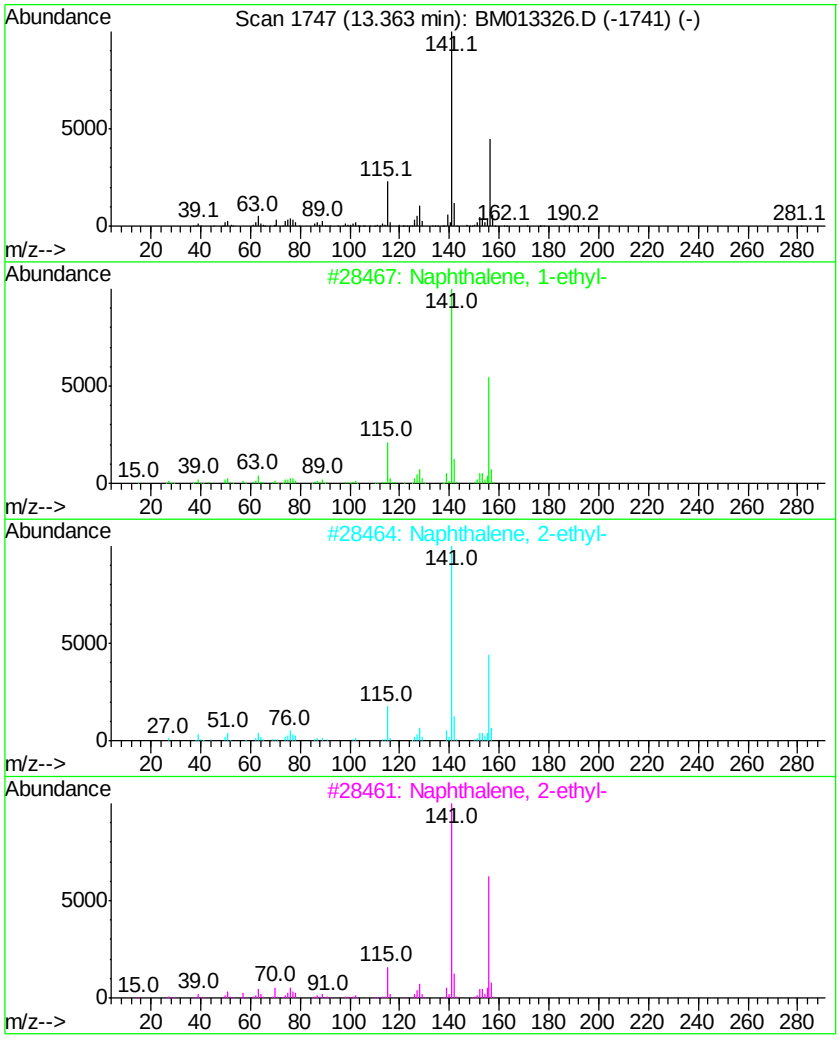
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

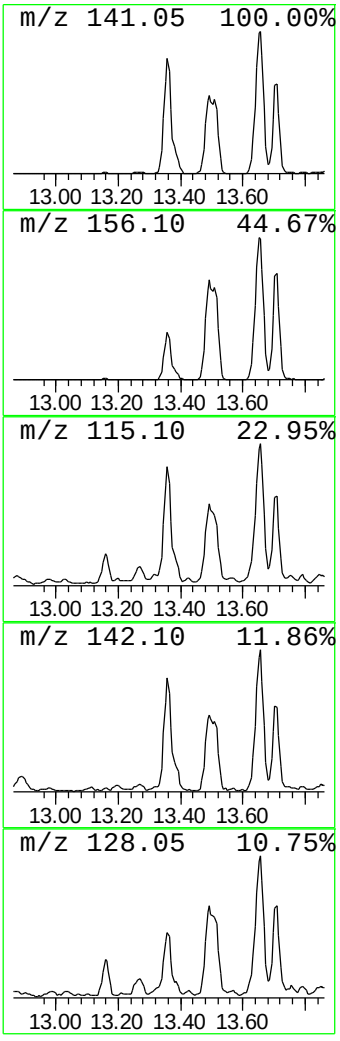
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	18.29 ng/ul	5613070	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





Library Search Compound Report

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Data File : BM013326.D
Acq On : 12 Dec 2017 04:19
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Sample : I6759-11 10X
Misc :
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Instrument : BNA_M
ClientSampleId : F9A19

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

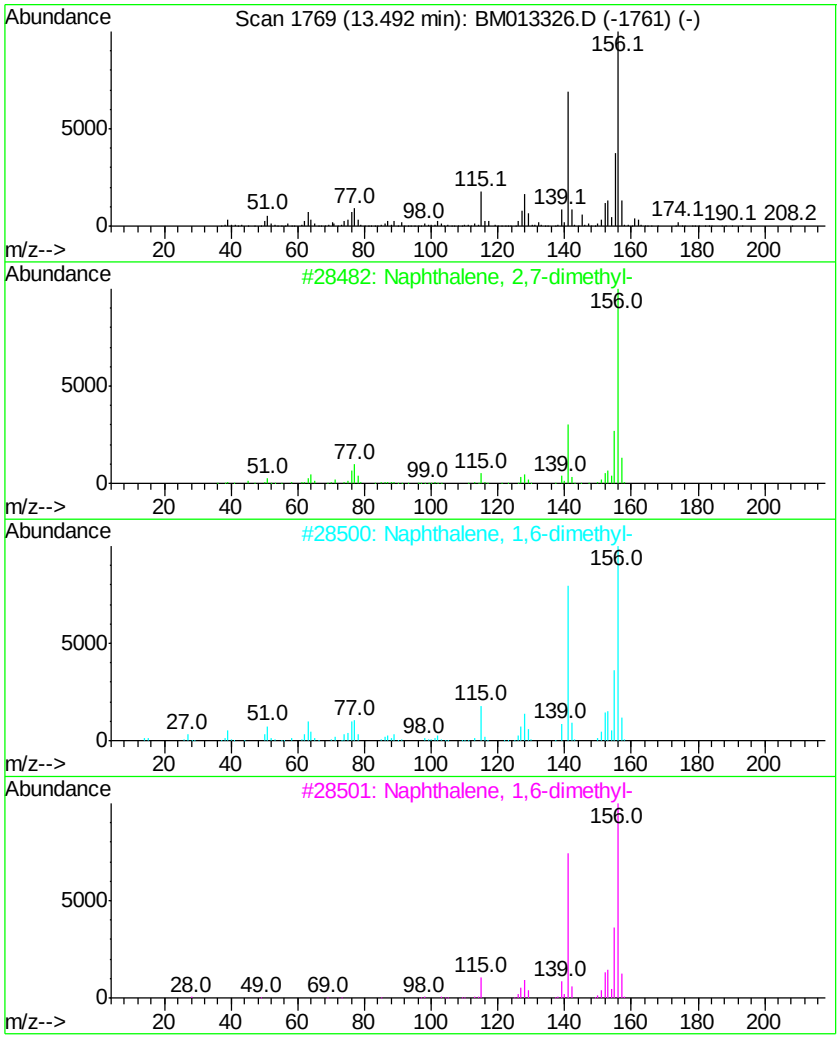
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

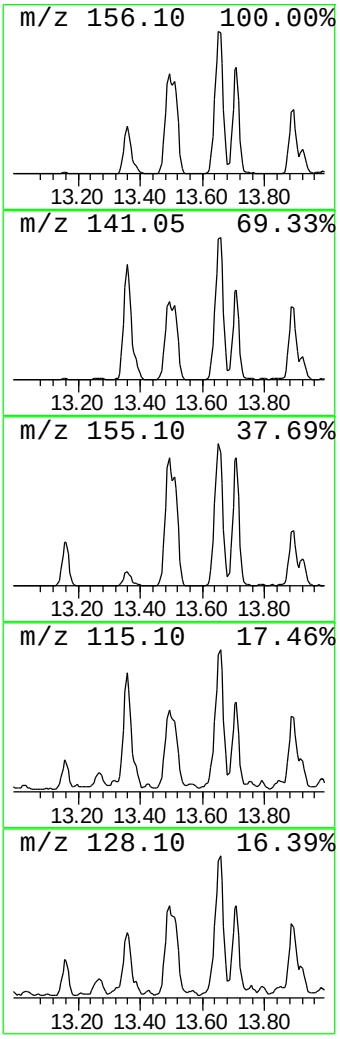
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	39.42 ng/ul	12097400	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Library Search Compound Report

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Data File : BM013326.D
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Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

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

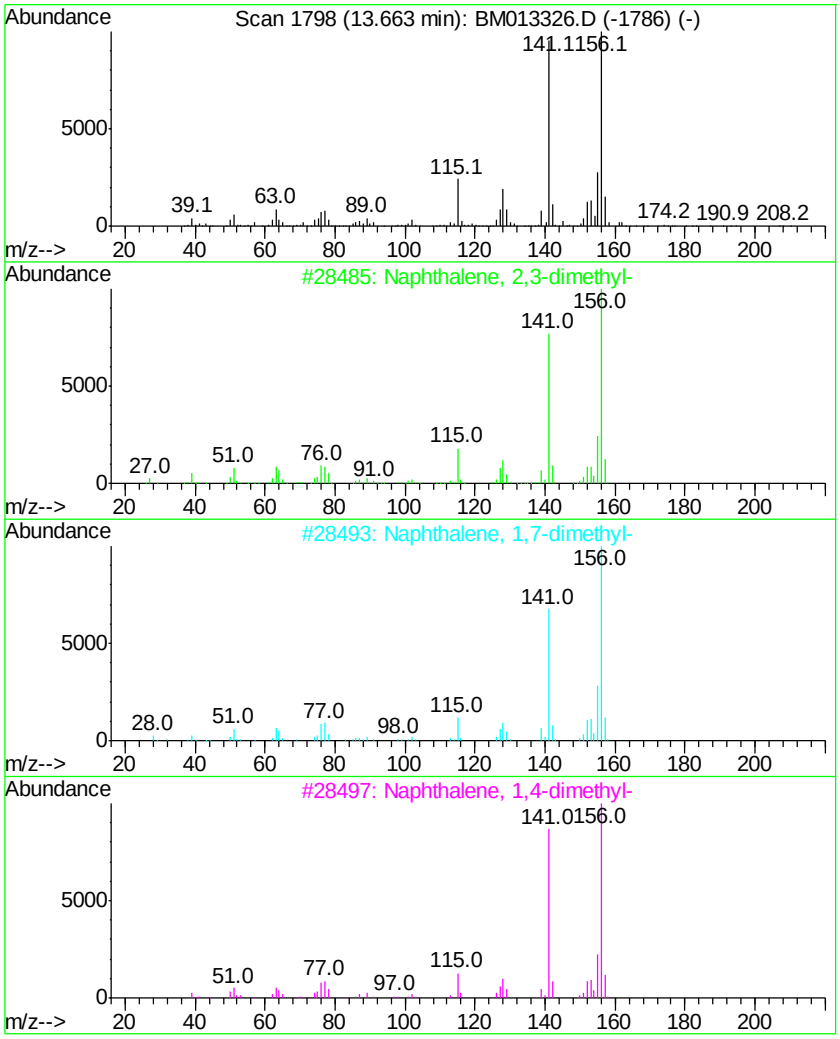
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

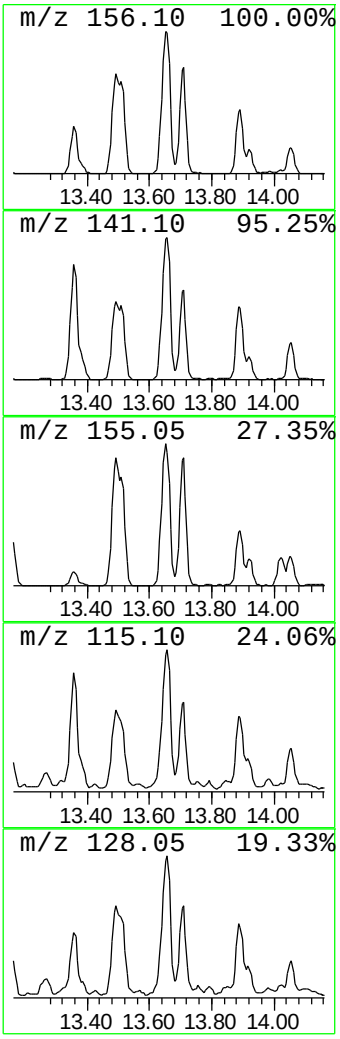
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	41.99 ng/ul	12885400	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Operator : SJ/JU
Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

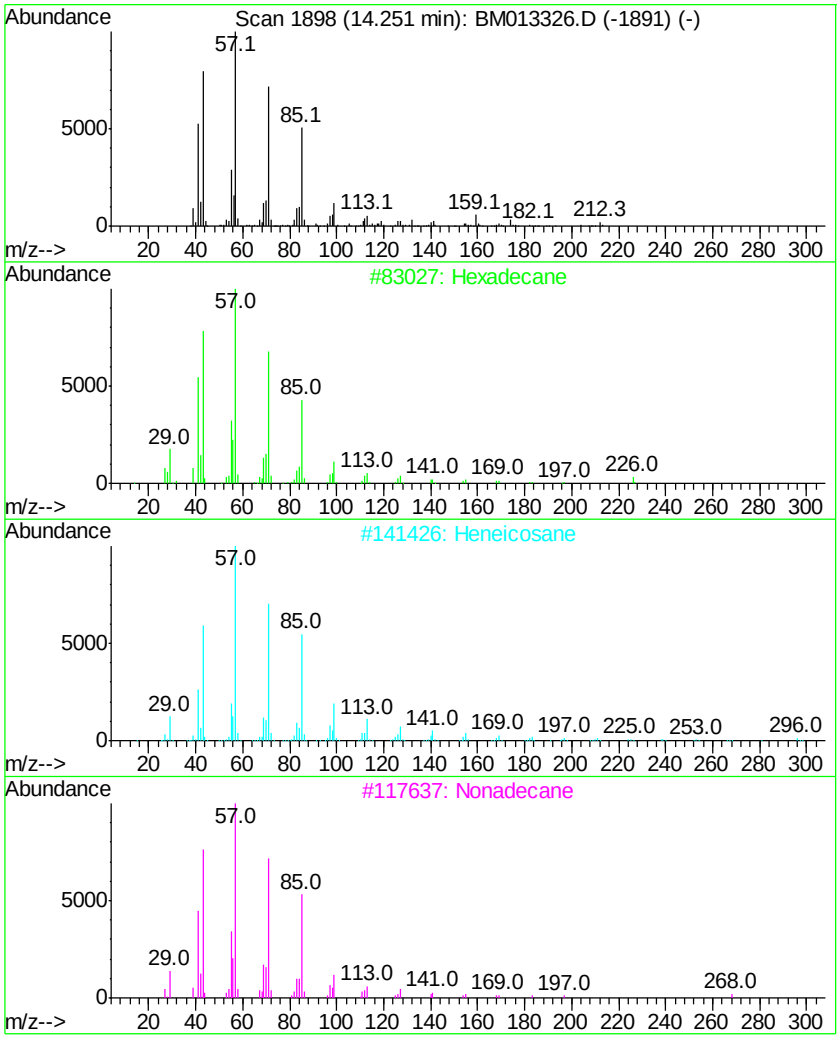
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

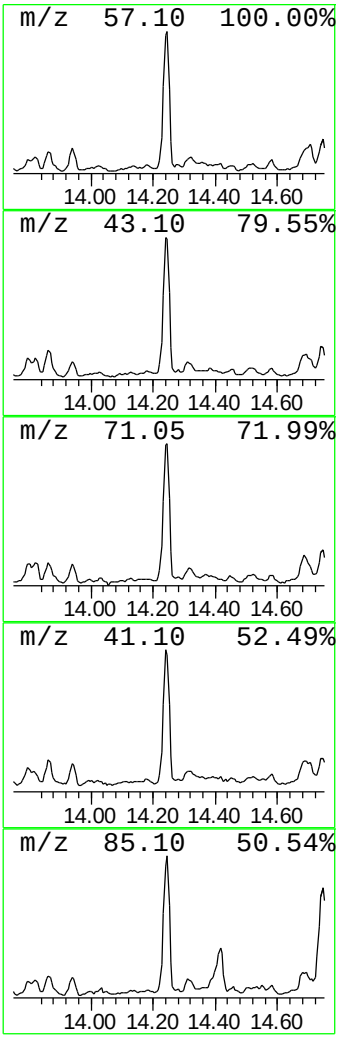
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	12.69 ng/ul	3894760	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Nonadecane	268	C19H40	000629-92-5	91
4	Tetradecane	198	C14H30	000629-59-4	90
5	9-methylheptadecane	254	C18H38	026741-18-4	90





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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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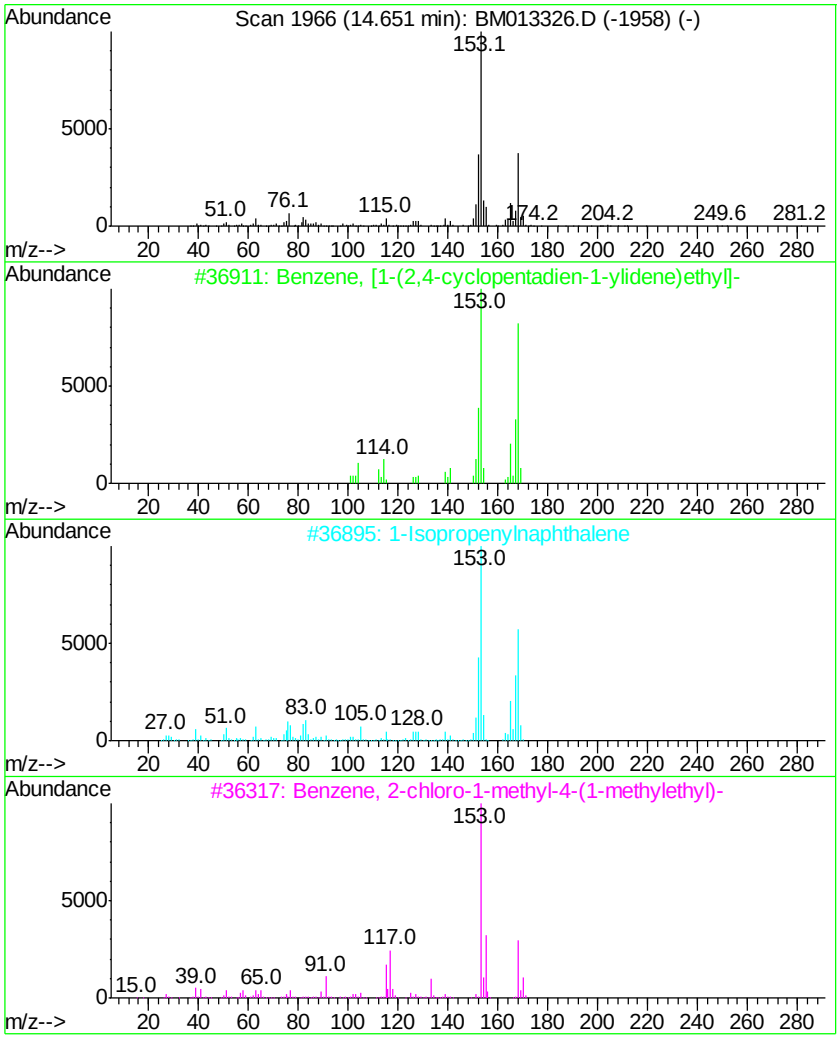
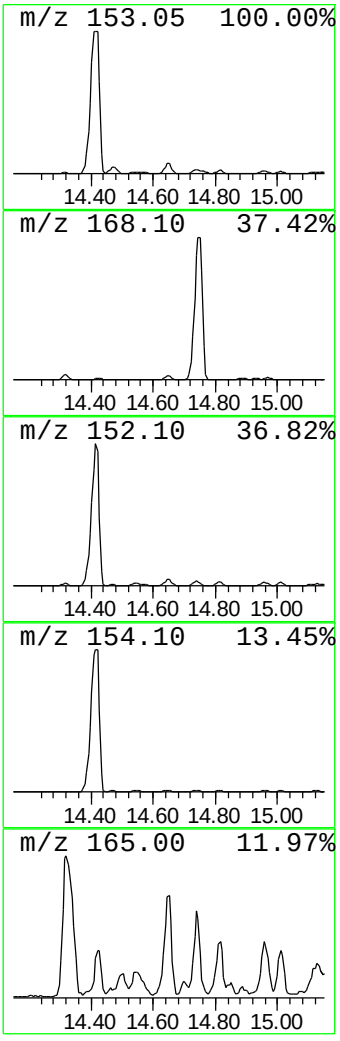
Peak Number 7 Benzene, [1-(2,4-cyclopenta... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	12.81 ng/ul	3930020	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	68
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
3	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	59
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47





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Operator : SJ/JU
Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

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Quant Title : SVOA CALIBRATION

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

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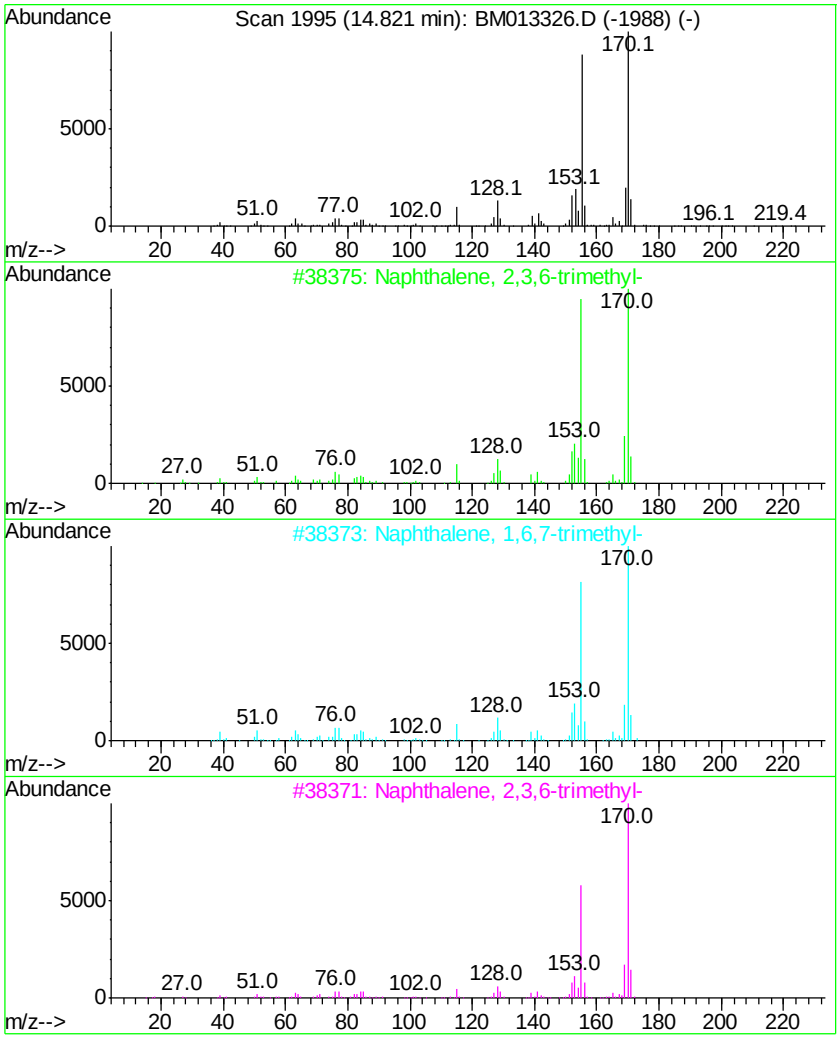
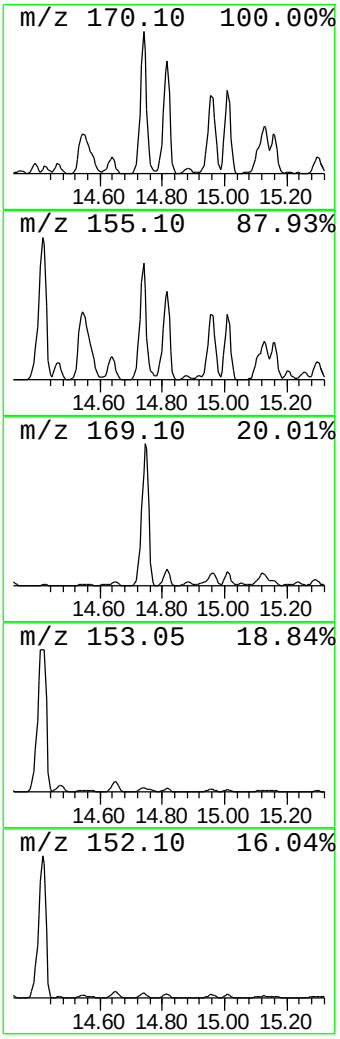
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	18.51 ng/ul	5681260	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96





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TIC Integration Parameters: LSCINT.P

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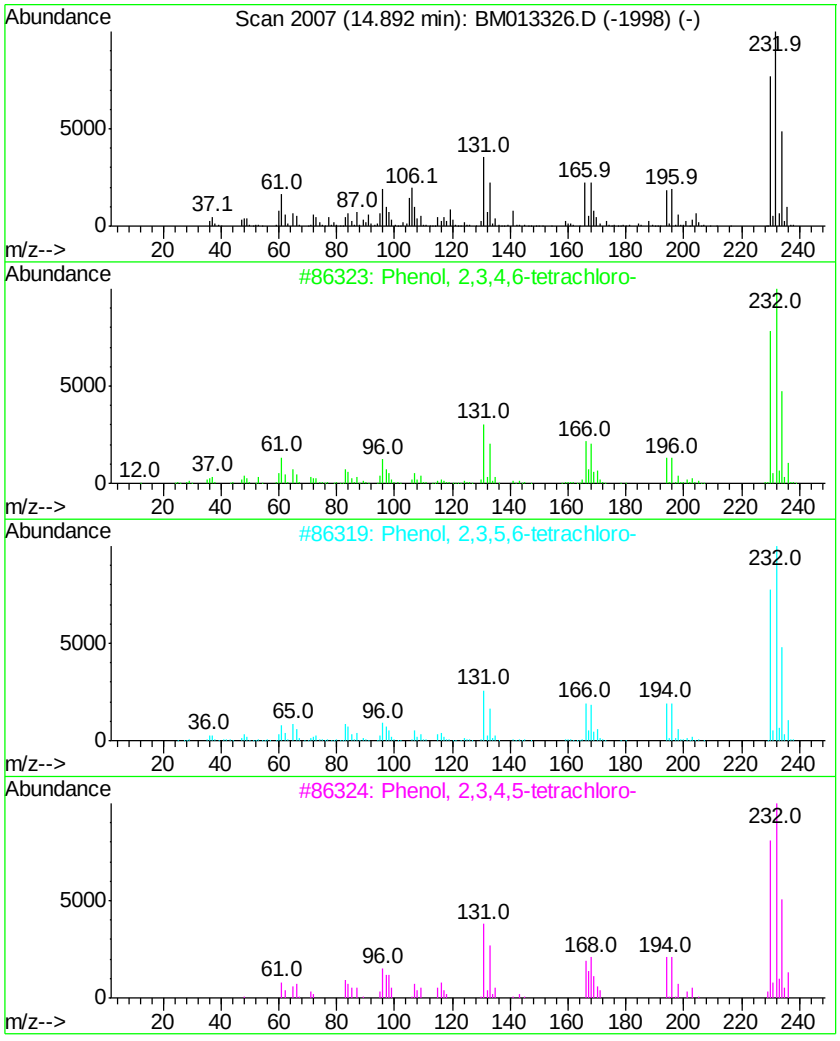
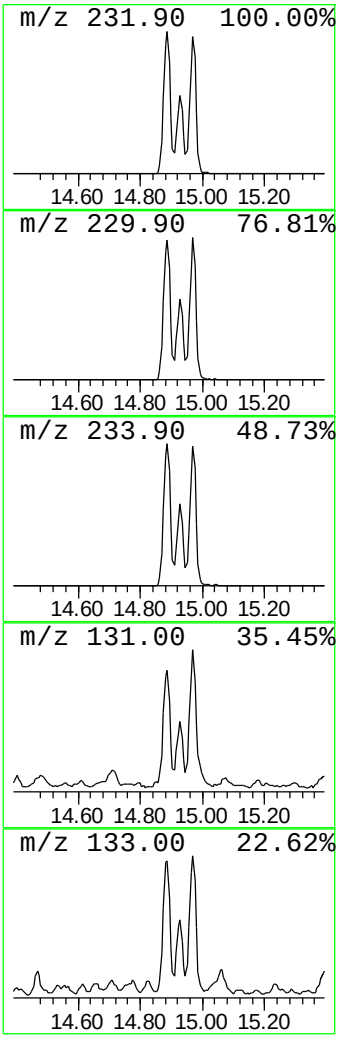
Peak Number 9 Phenol, 2,3,4,6-tetrachloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	20.17 ng/ul	6190870	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,4,6-tetrachloro-	230	C6H2Cl4O	000058-90-2	99
2	Phenol, 2,3,5,6-tetrachloro-	230	C6H2Cl4O	000935-95-5	99
3	Phenol, 2,3,4,5-tetrachloro-	230	C6H2Cl4O	004901-51-3	95
4	Phenol, 2,3,5,6-tetrachloro-	230	C6H2Cl4O	000935-95-5	94
5	Phenol, 2,3,4,5-tetrachloro-	230	C6H2Cl4O	004901-51-3	93





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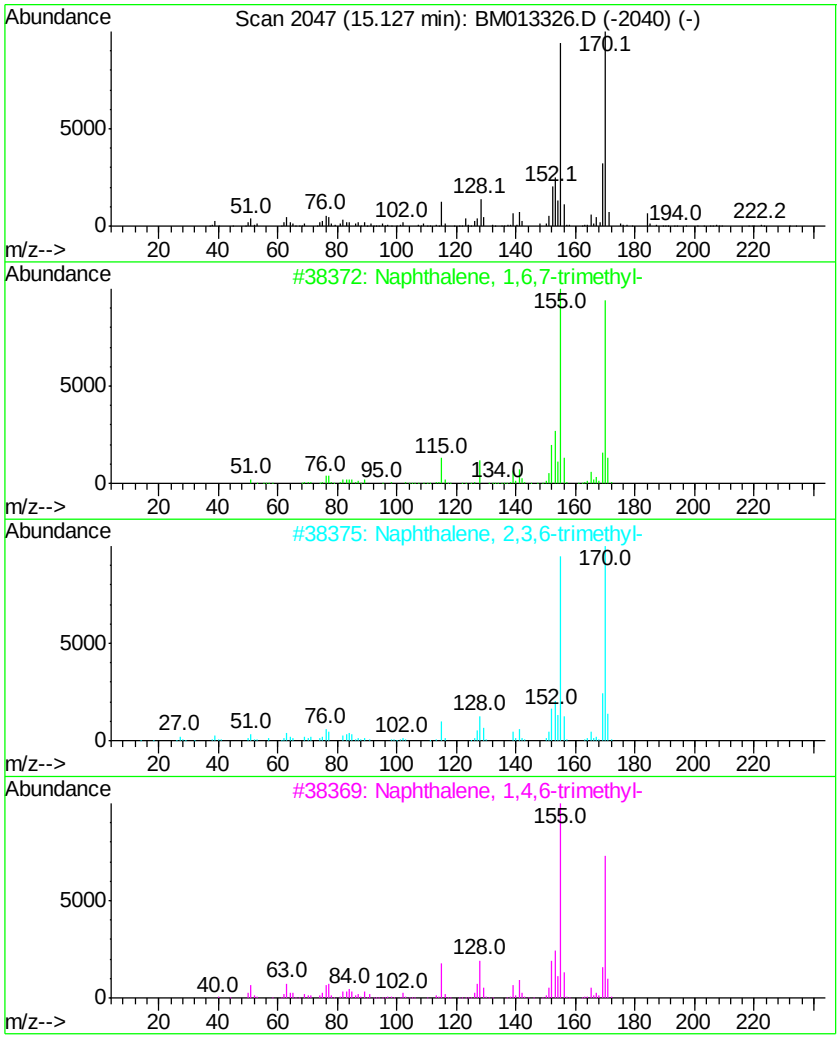
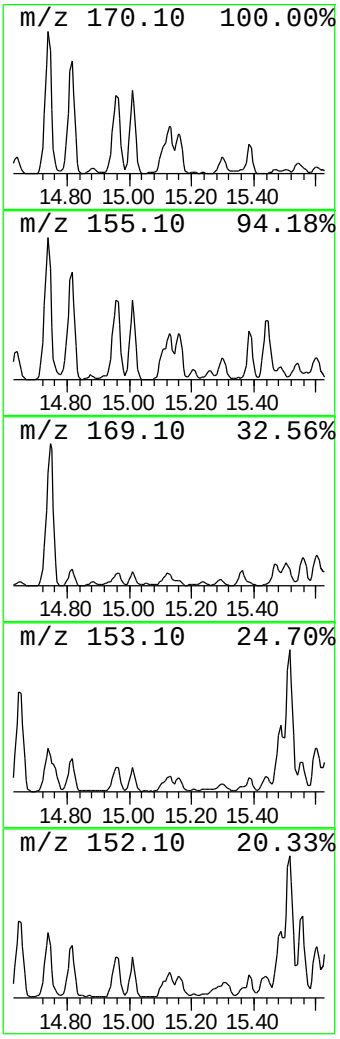
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	9.90 ng/ul	3036610	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





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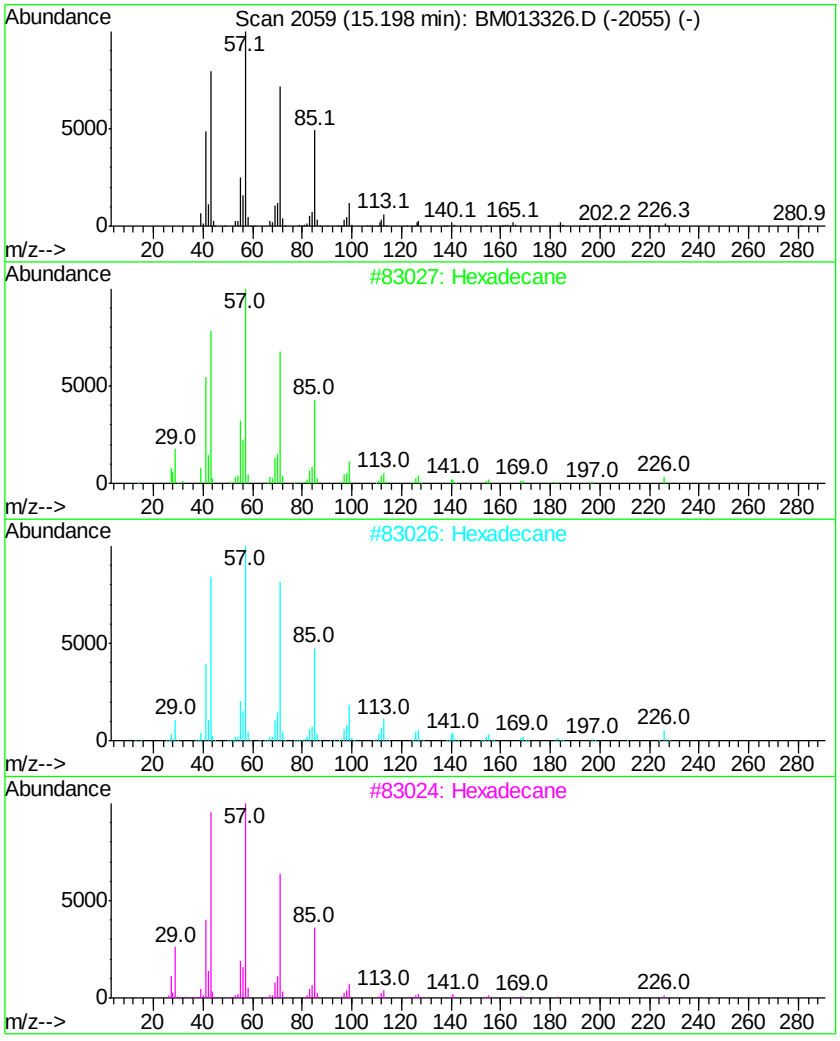
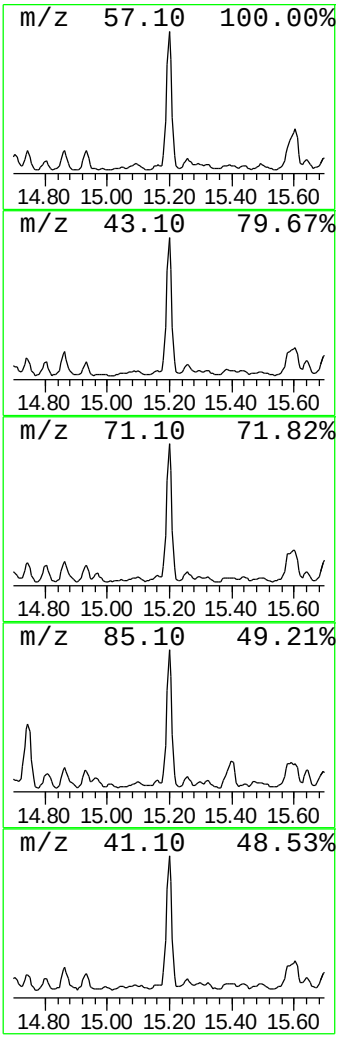
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	17.01 ng/ul	5218430	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Hexadecane	226	C16H34	000544-76-3	94
3	Hexadecane	226	C16H34	000544-76-3	94
4	Pentadecane	212	C15H32	000629-62-9	90
5	9-methylheptadecane	254	C18H38	026741-18-4	90





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Quant Title : SVOA CALIBRATION

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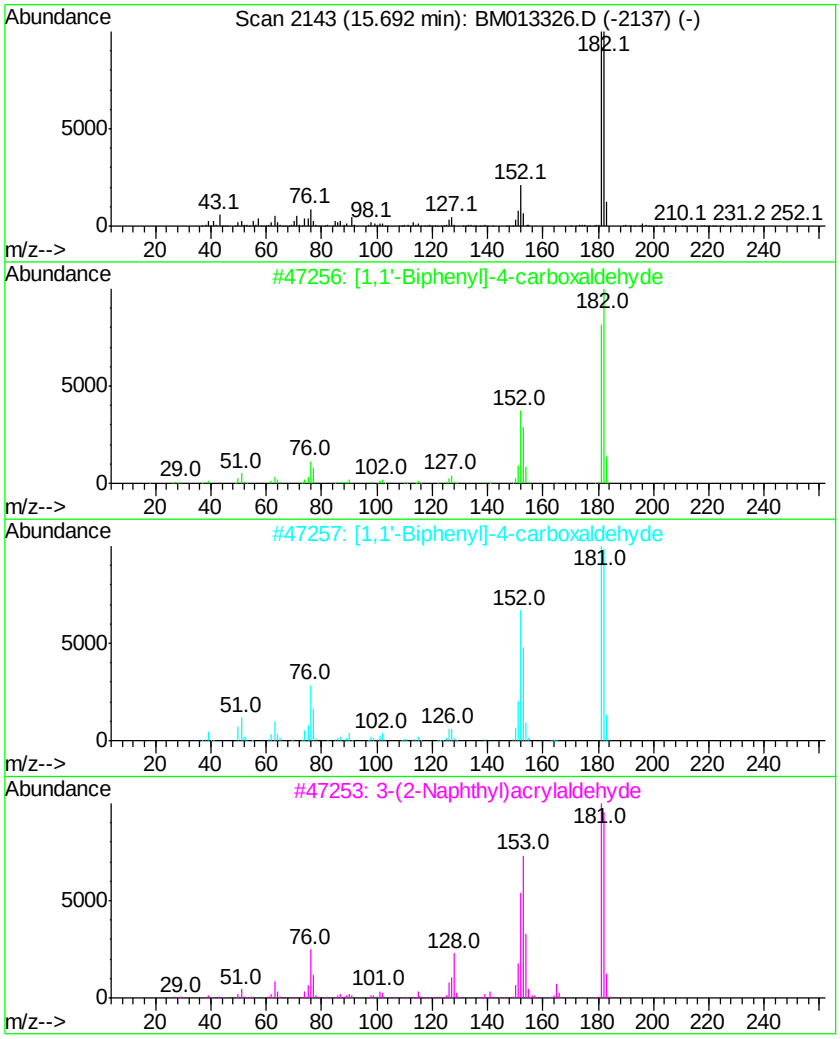
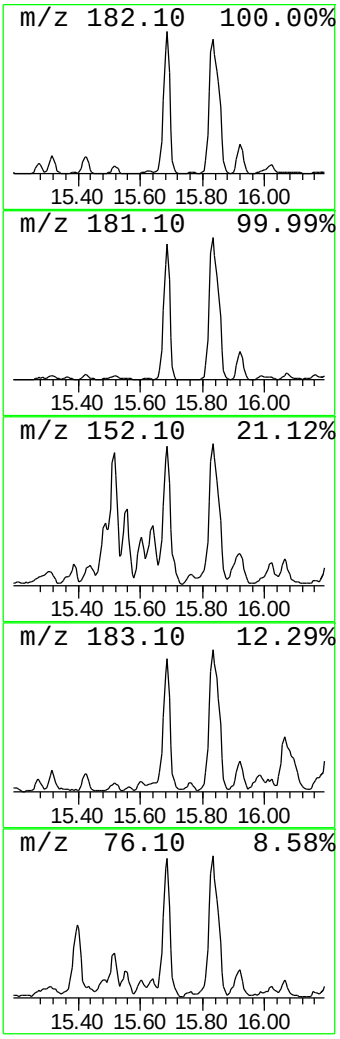
Peak Number 12 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	40.47 ng/ul	12418400	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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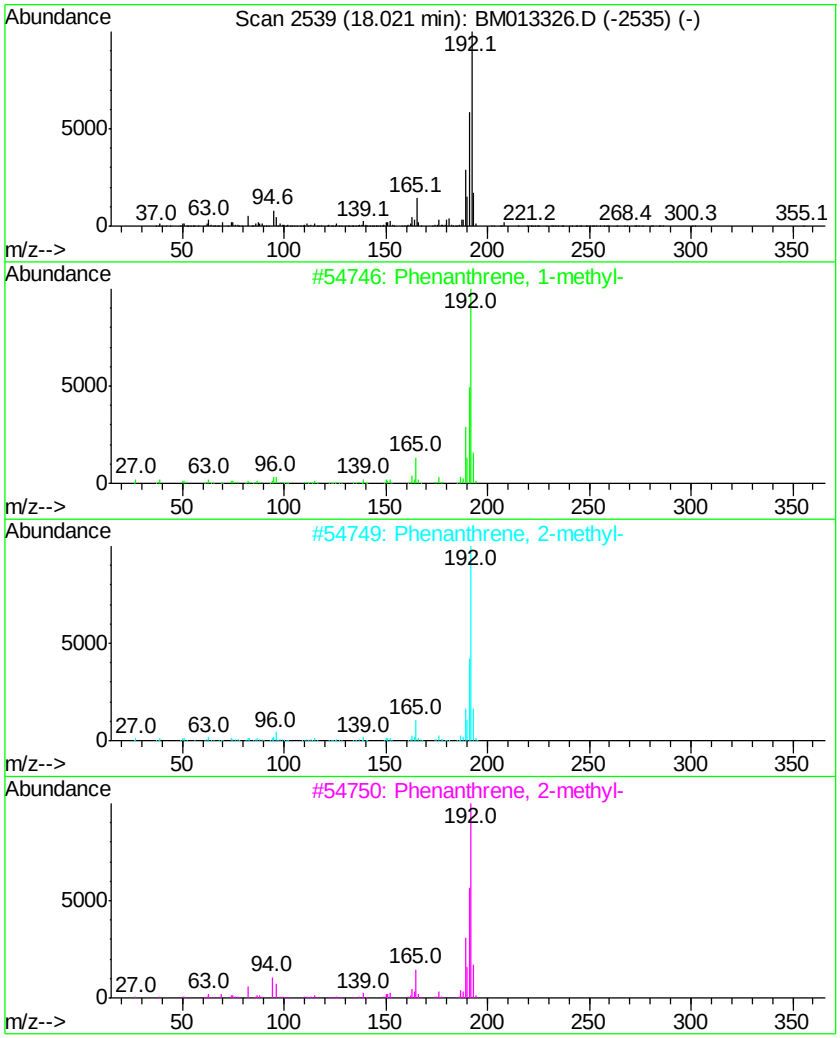
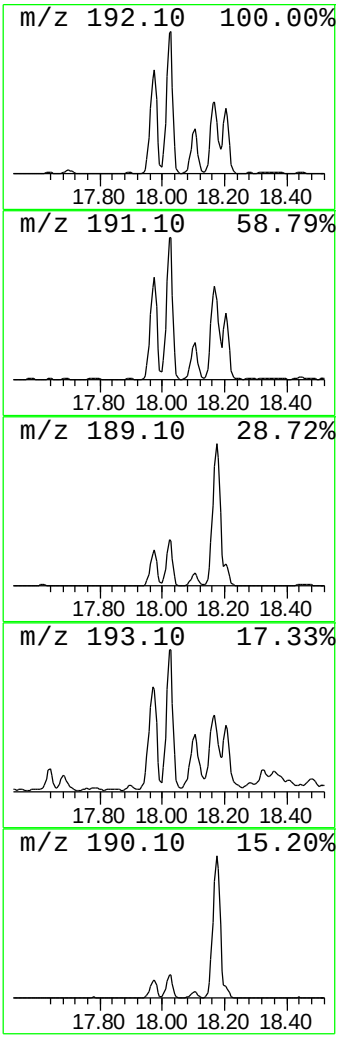
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.52 ng/ul	26536700	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Quant Title : SVOA CALIBRATION

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

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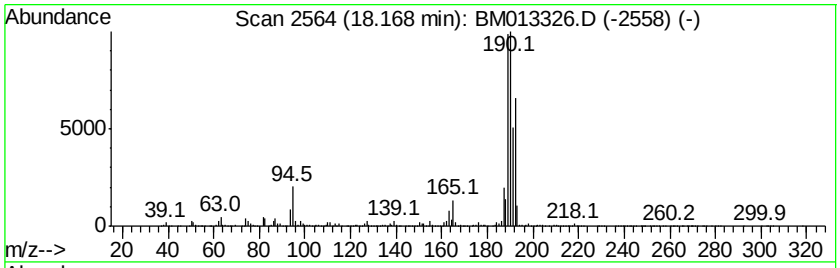
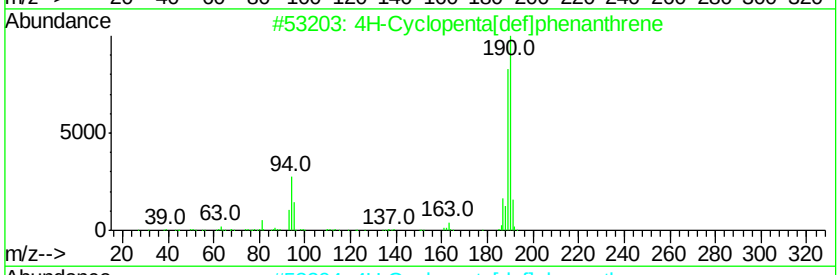
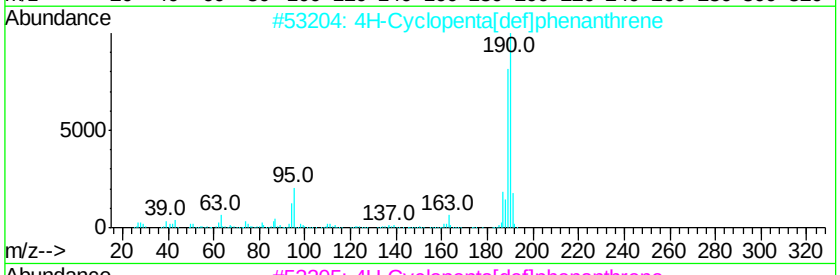
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 22

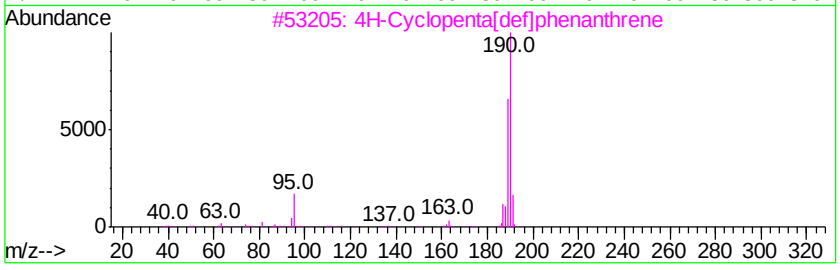
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	3.64 ng/ul	38364300	Phenanthrene-d10	17.10

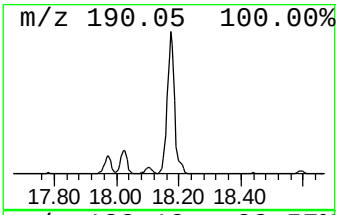
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47

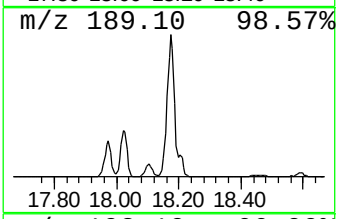


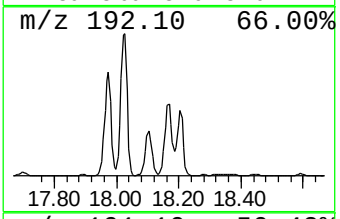


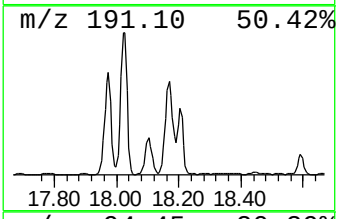


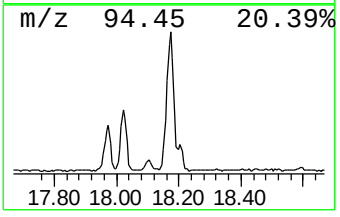












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Misc :
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Quant Title : SVOA CALIBRATION

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

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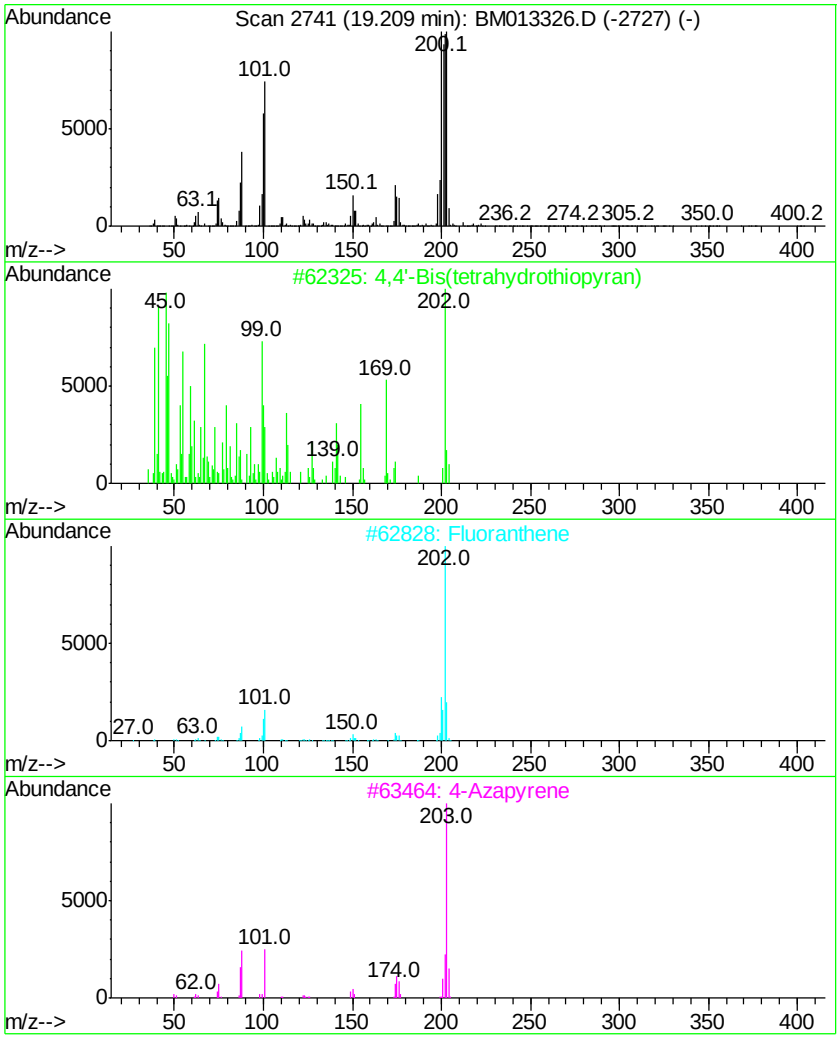
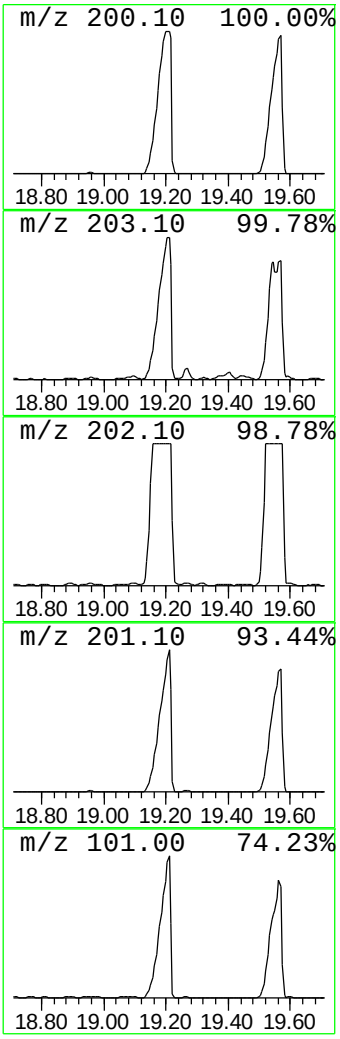
Peak Number 15 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	105.61 ng/ul	244622000	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	64
2	Fluoranthene	202	C16H10	000206-44-0	50
3	4-Azapyrene	203	C15H9N	000194-03-6	41
4	4-Bromo-1,2-(methylenedioxy)benzene	200	C7H5BrO2	002635-13-4	38
5	Pyrene	202	C16H10	000129-00-0	38





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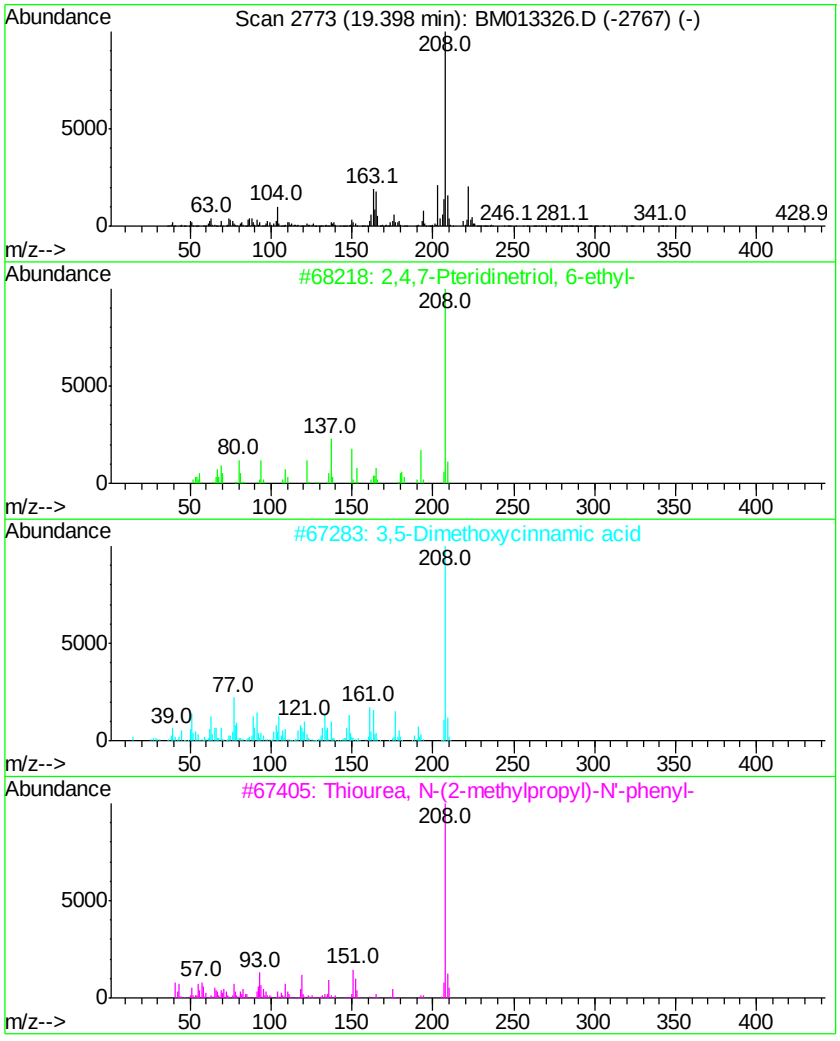
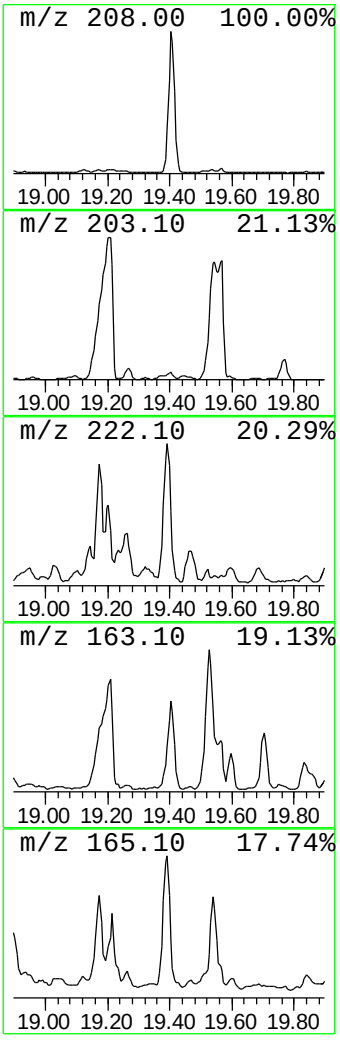
Peak Number 16 2,4,7-Pteridinetriol, 6-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	4.47 ng/ul	10349900	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7-Pteridinetriol, 6-ethyl-	208	C8H8N4O3	031053-47-1	64
2	3,5-Dimethoxycinnamic acid	208	C11H12O4	016909-11-8	64
3	Thiourea, N-(2-methylpropyl)-N'-...	208	C11H16N2S	016275-53-9	59
4	2-Propen-1-one, 1,3-diphenyl-, (E)-	208	C15H12O	000614-47-1	53
5	Indole, 6-methyl-2-(3-pyridyl)-	208	C14H12N2	293762-69-3	53





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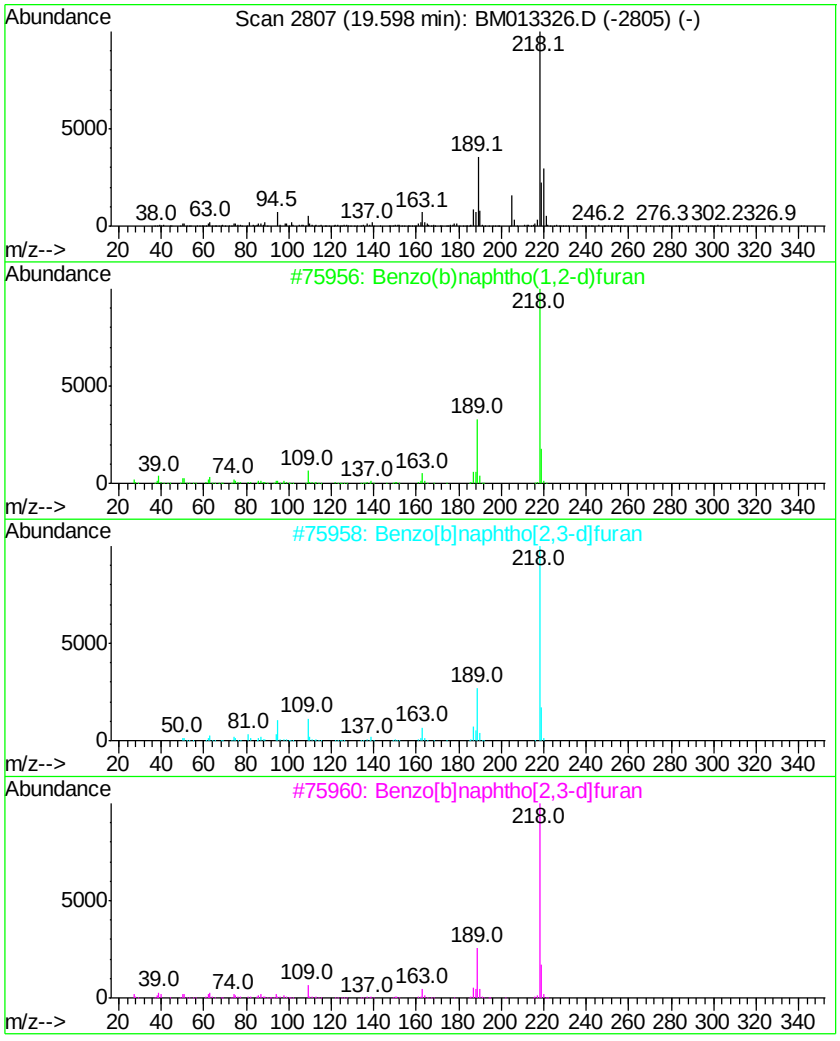
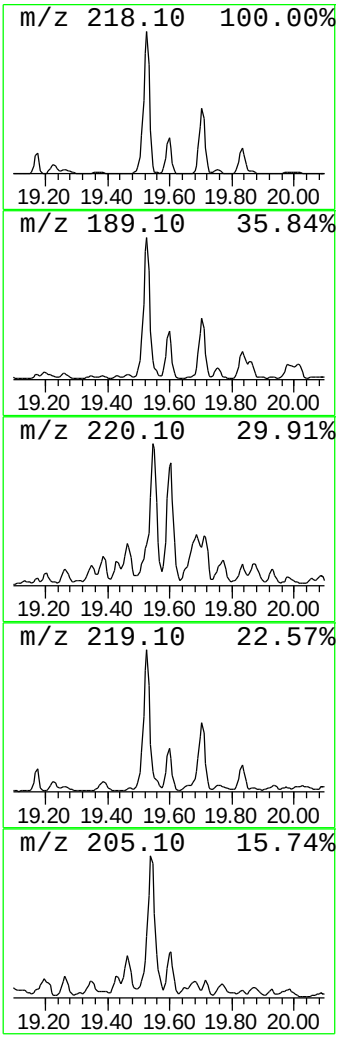
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzo(b)naphtho(1,2-d)furan Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.60	3.00 ng/ul	6958230	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	93
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	89
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	76
4	Benzo[kl]xanthene	218	C16H10O	000200-23-7	70
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	68





Library Search Compound Report

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Acq On : 12 Dec 2017 04:19
Operator : SJ/JU
Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

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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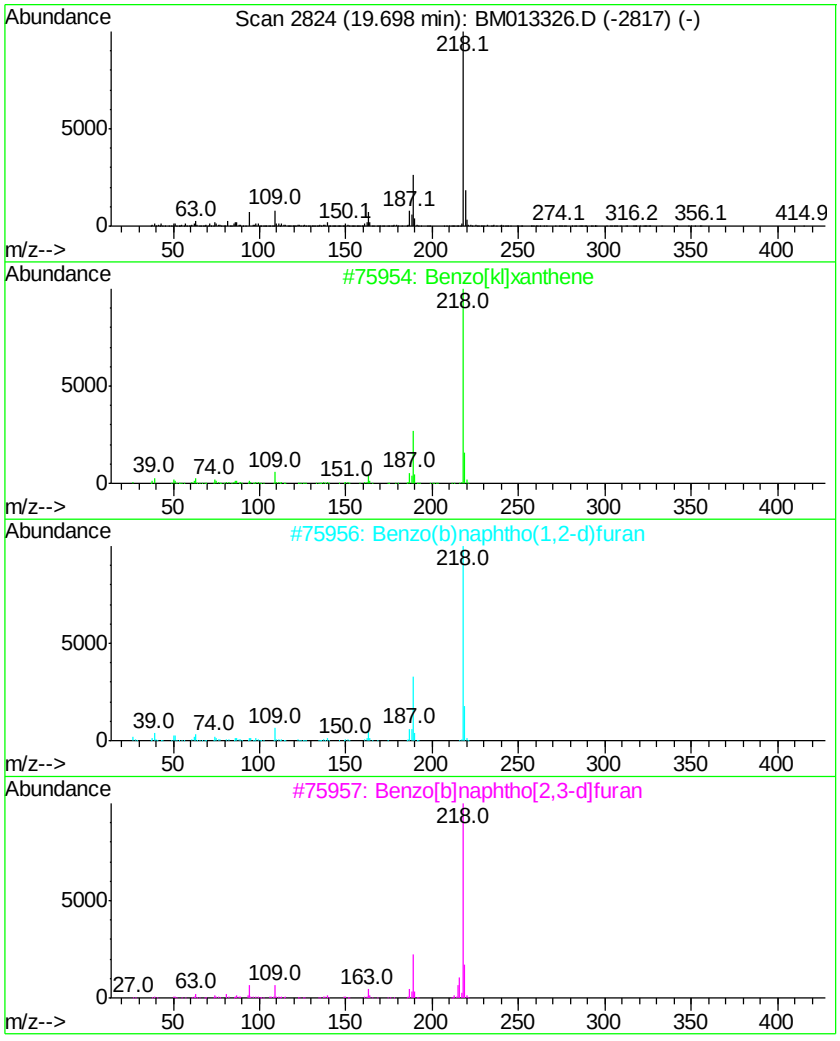
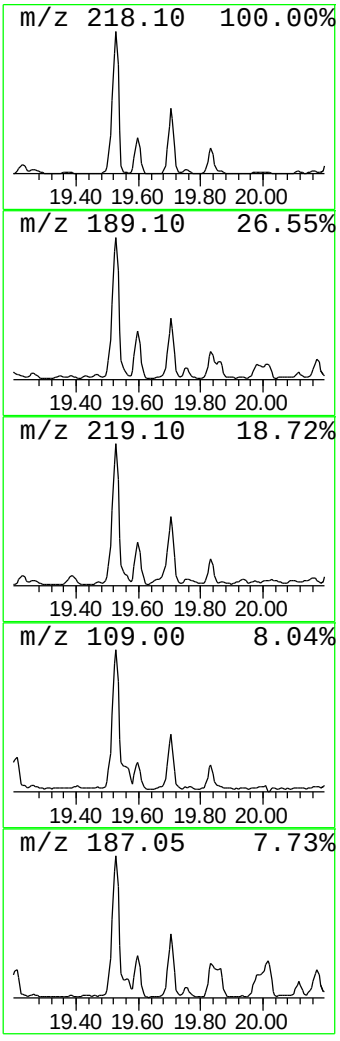
Peak Number 18 Benzo[kl]xanthene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	5.09 ng/ul	11796100	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	97
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	96
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93





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Instrument : BNA_M
ClientSampleId : F9A19

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Quant Title : SVOA CALIBRATION

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

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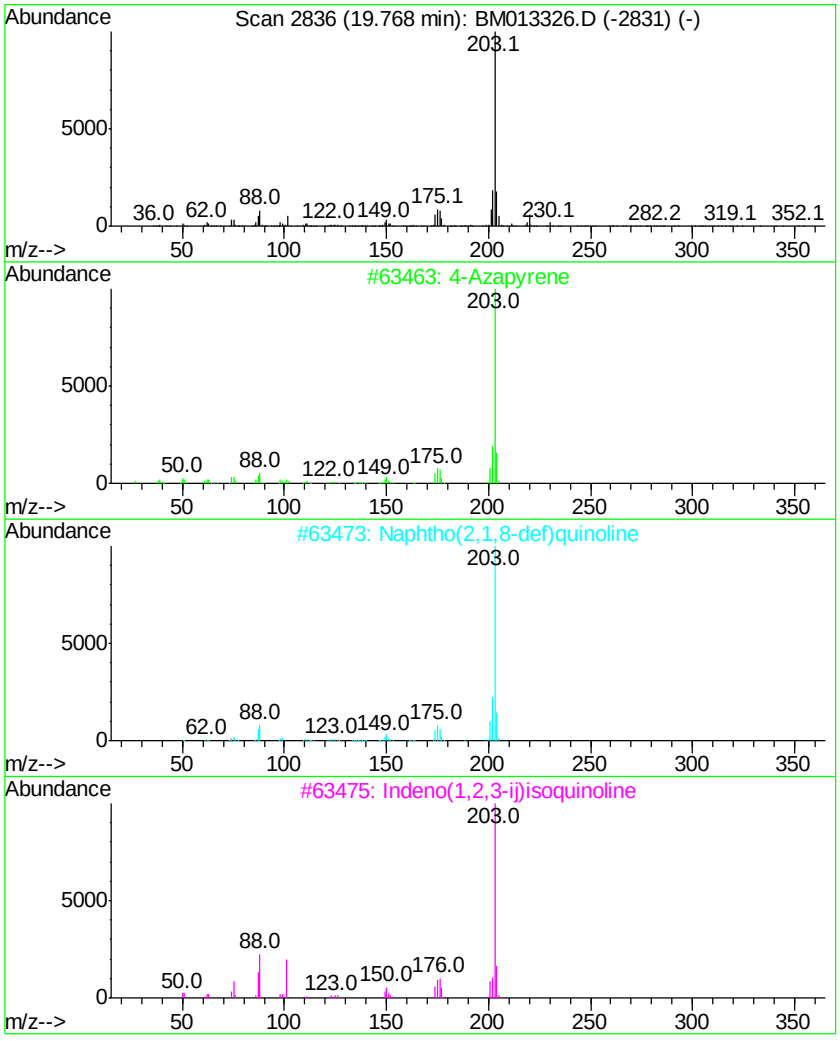
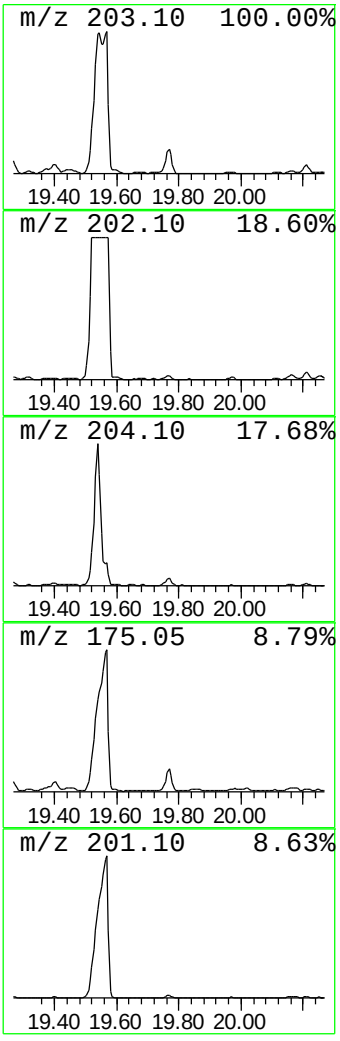
Peak Number 19 4-Azapyrene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.24 ng/ul	5196120	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Azapyrene	203	C15H9N	000194-03-6	95
2	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	94
3	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	93
4	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	93
5	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	93





Library Search Compound Report

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ClientSampleId : F9A19

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Quant Title : SVOA CALIBRATION

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

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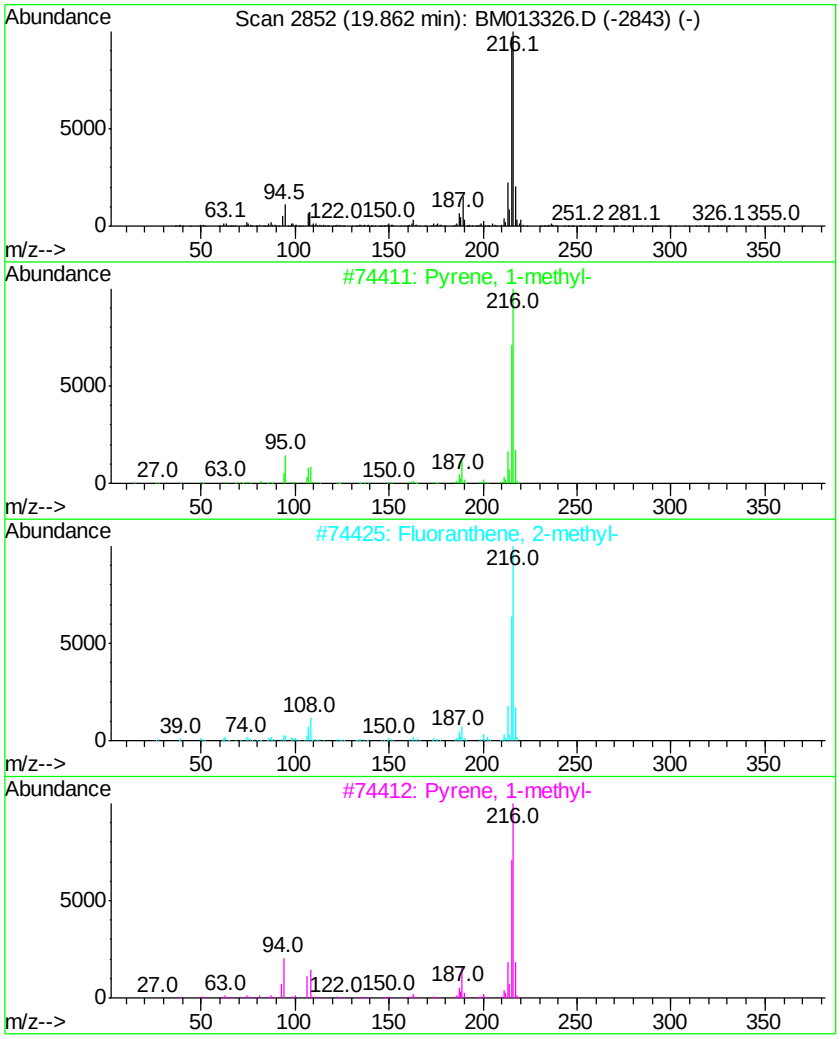
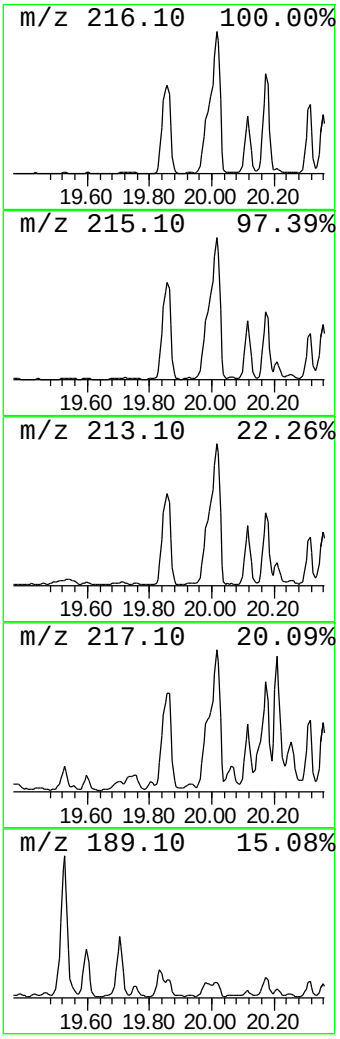
Peak Number 20 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	6.67 ng/ul	15449700	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

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Quant Title : SVOA CALIBRATION

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

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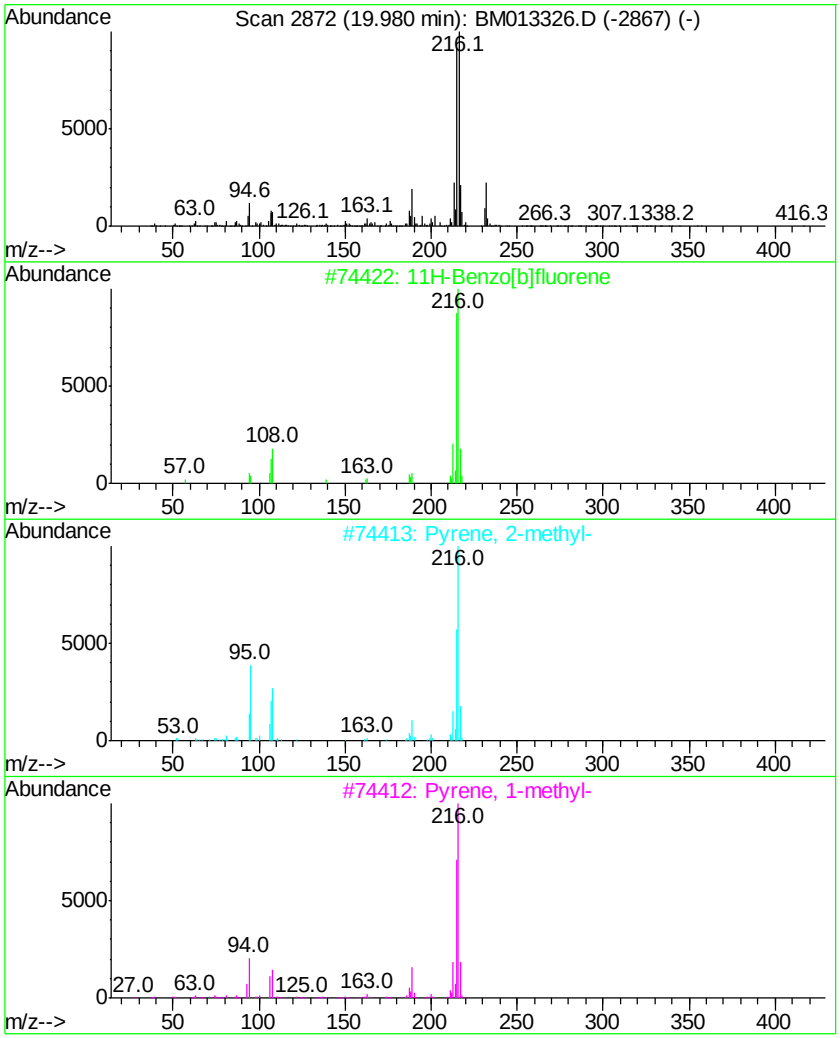
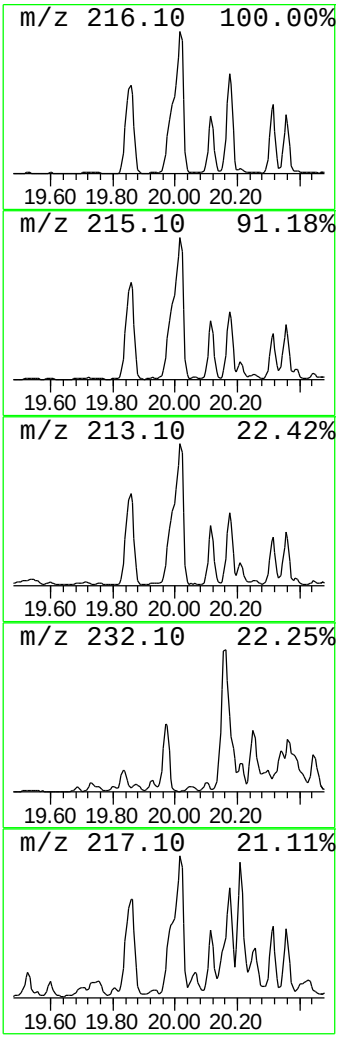
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	2.75 ng/ul	6367280	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74





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Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

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Quant Title : SVOA CALIBRATION

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

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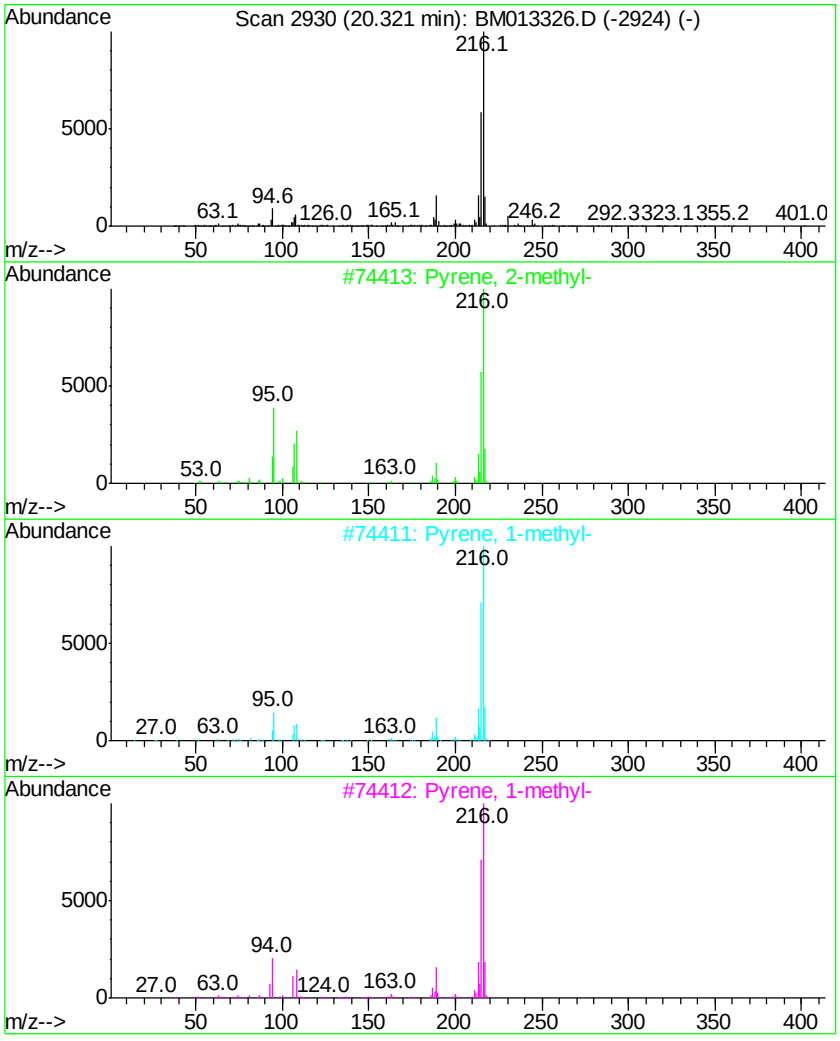
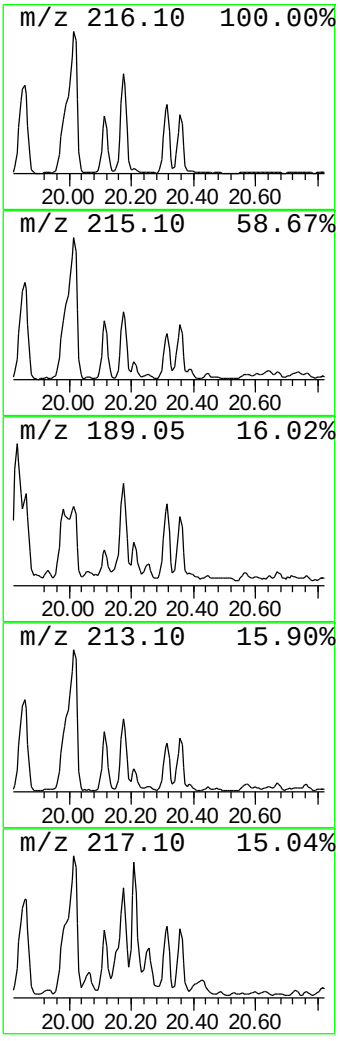
Peak Number 24 Pyrene, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	2.15 ng/ul	4981980	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Sample : I6759-11 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A19

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 26 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	5.03 ng/ul	11651400	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	89
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
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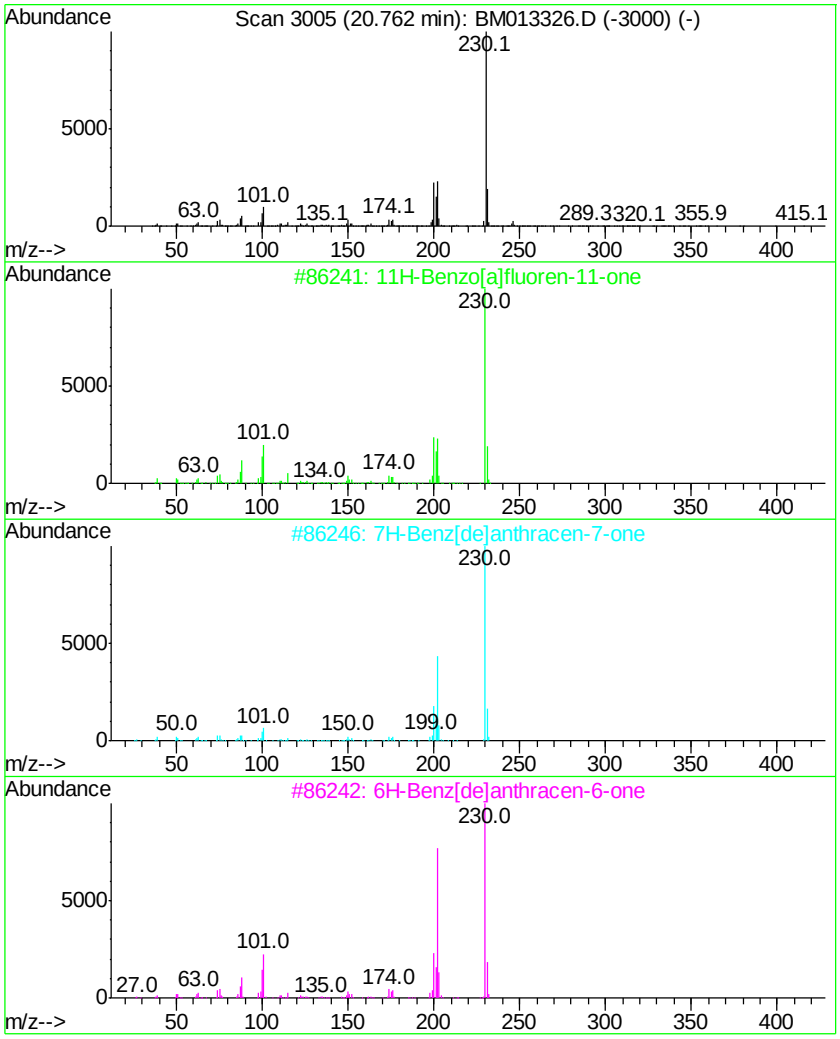

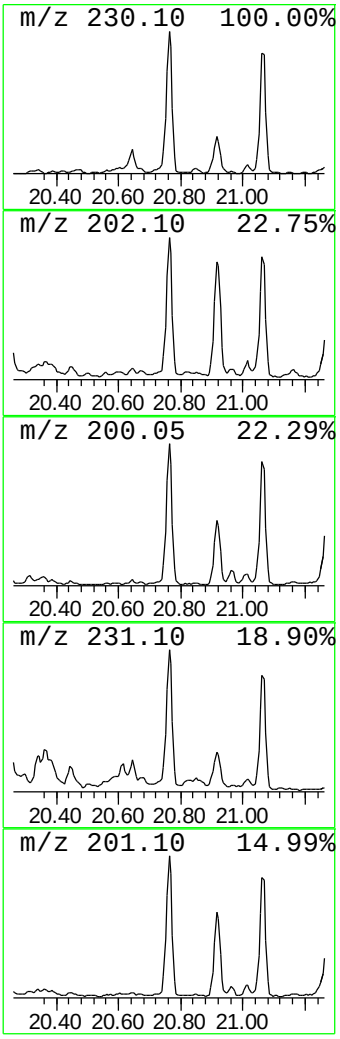

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Sample : I6759-11 10X
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ALS Vial : 29 Sample Multiplier: 1

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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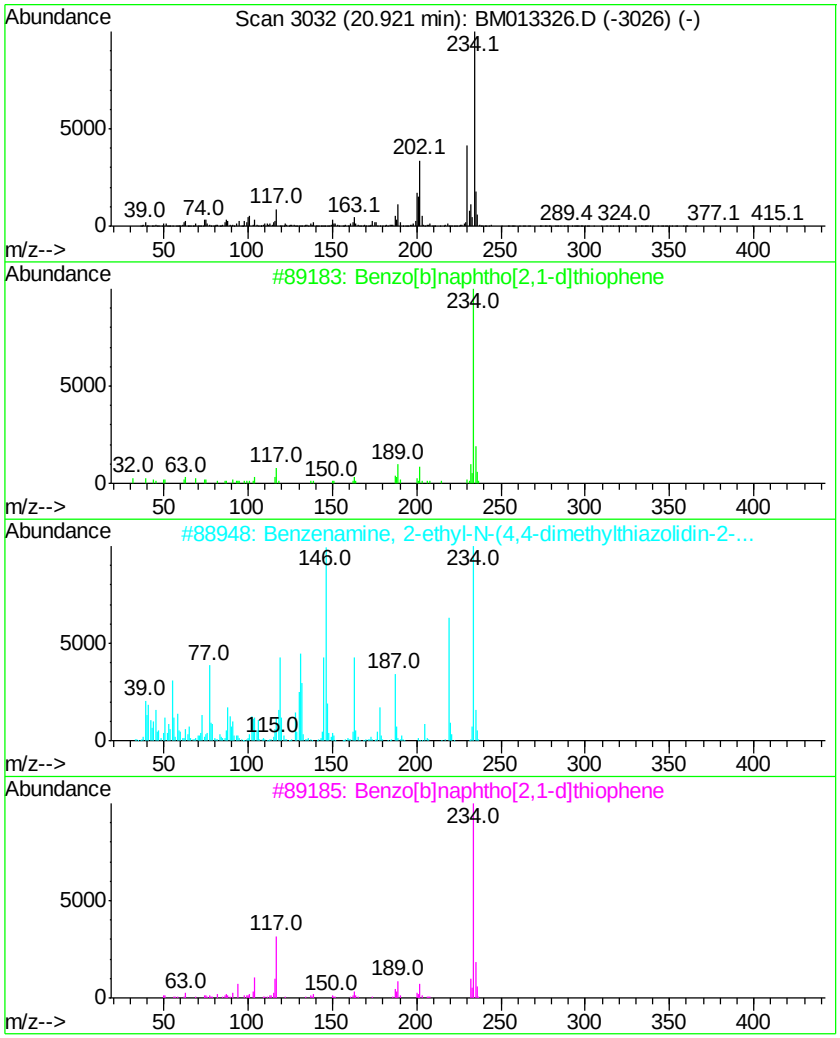
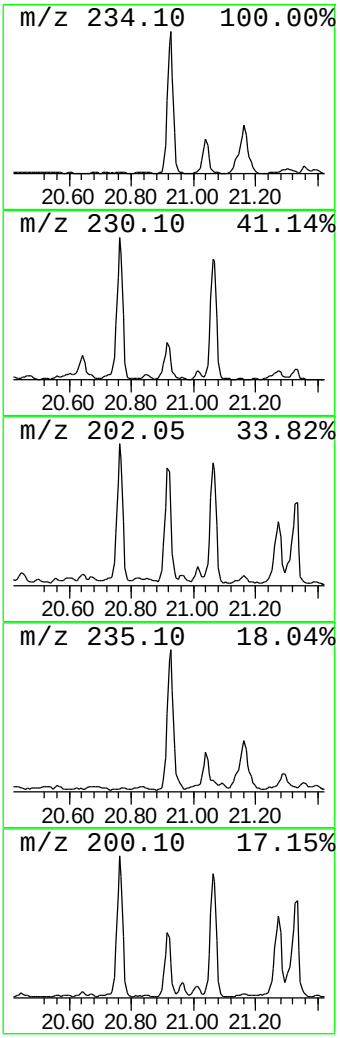
Peak Number 27 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	4.72 ng/ul	10923100	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
2	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	86
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	60
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
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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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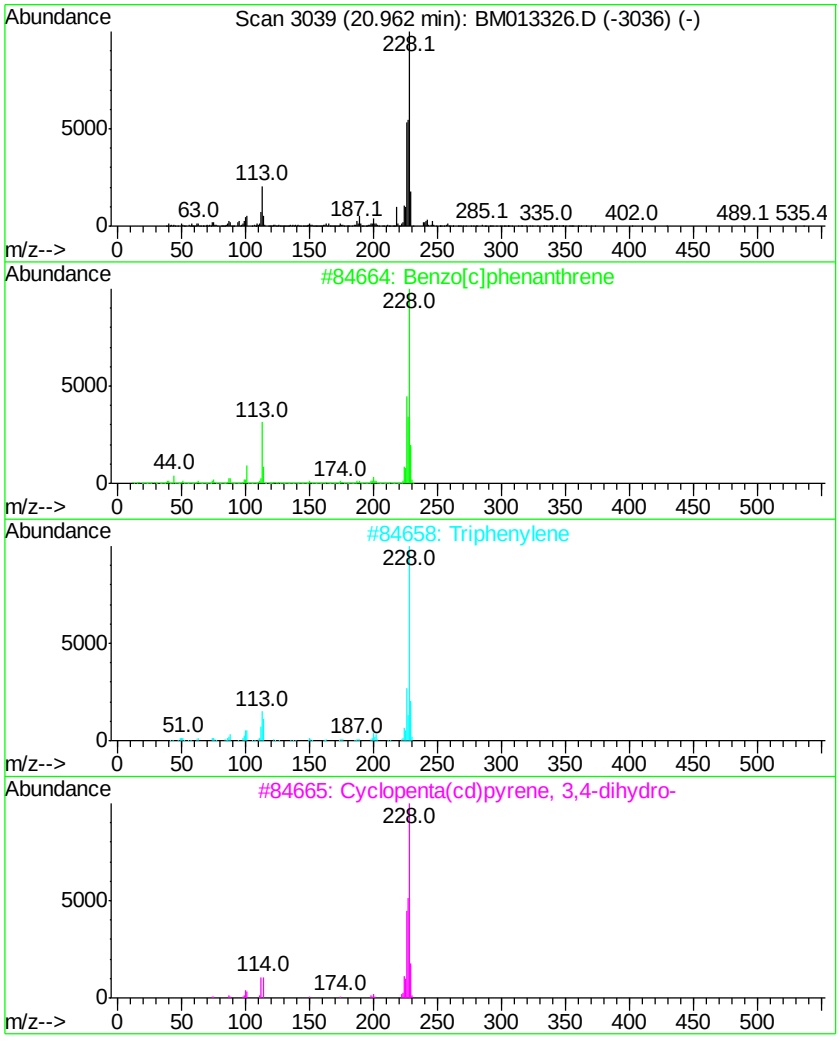
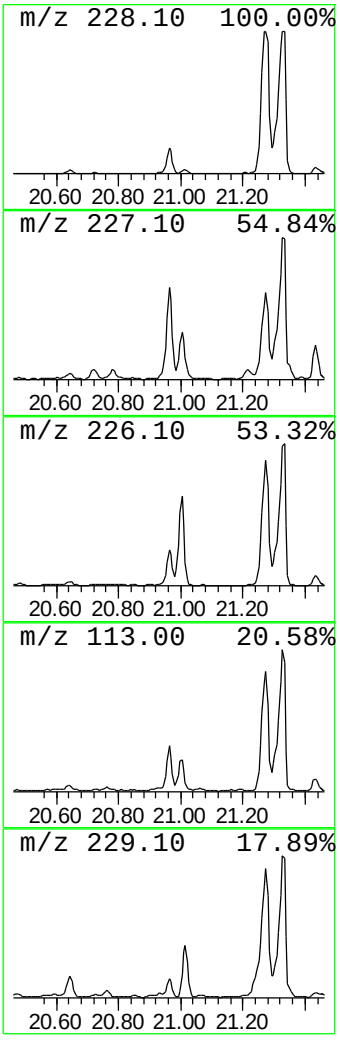
Peak Number 28 Benzo[c]phenanthrene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	3.34 ng/ul	7736640	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
2	Triphenylene	228	C18H12	000217-59-4	50
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
4	Triphenylene	228	C18H12	000217-59-4	49
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49





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ClientSampleId : F9A19

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Quant Title : SVOA CALIBRATION

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

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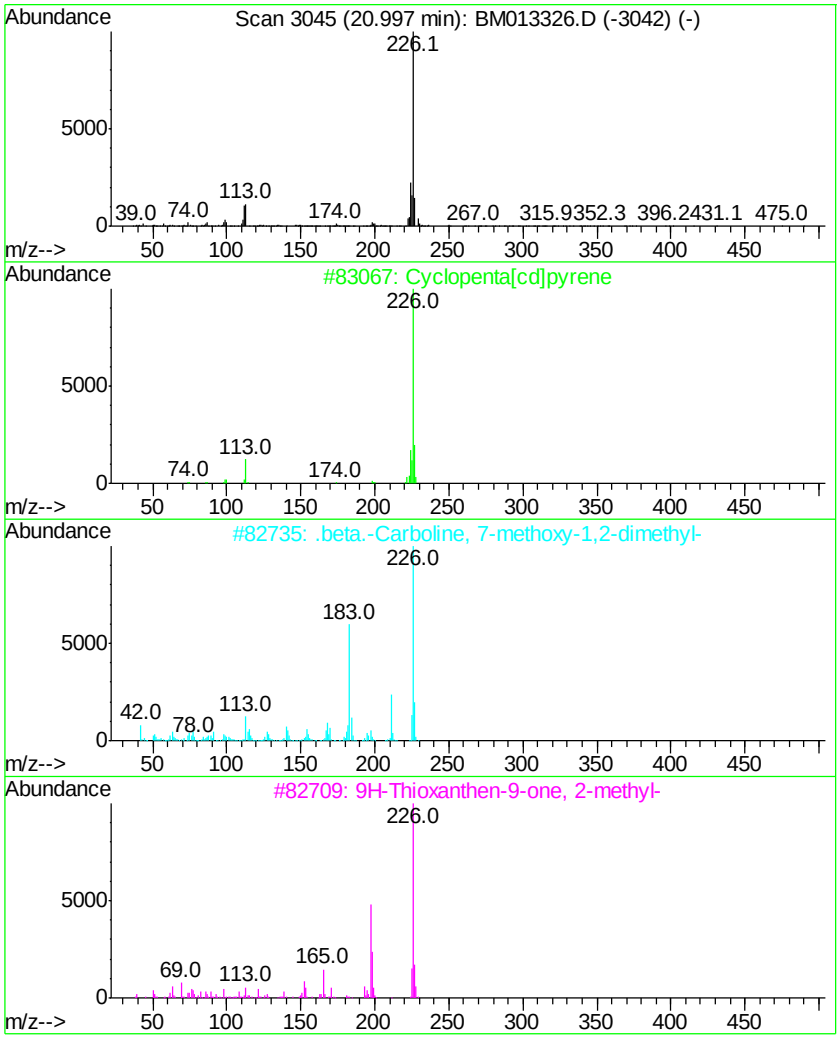
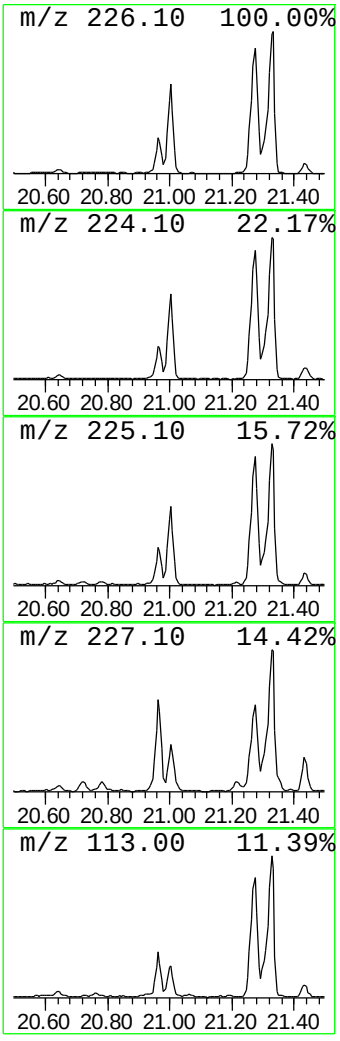
Peak Number 29 Cyclopenta[cd]pyrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	3.49 ng/ul	8079540	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	52
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
5	7-p-Tolyl-1,5-dihydro-imidazo[4,...	226	C12H10N4O	1000317-75-5	38





Tentatively Identified Compound (LSC) summary

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Misc :
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Instrument : BNA_M
ClientSampleId : F9A19

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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...	12.36	6.4	ng/ul	21151400	2	10.47	65891000	20.0
Naphthalene, 1-et...	13.36	18.3	ng/ul	5613070	3	14.33	6137520	20.0
Naphthalene, 2,7-...	13.49	39.4	ng/ul	12097400	3	14.33	6137520	20.0
Naphthalene, 2,3-...	13.66	42.0	ng/ul	12885400	3	14.33	6137520	20.0
(DEL) Alkane: Str...	14.25	12.7	ng/ul	3894760	3	14.33	6137520	20.0
Benzene, [1-(2,4-...	14.65	12.8	ng/ul	3930020	3	14.33	6137520	20.0
Naphthalene, 2,3,...	14.82	18.5	ng/ul	5681260	3	14.33	6137520	20.0
Phenol, 2,3,4,6-t...	14.89	20.2	ng/ul	6190870	3	14.33	6137520	20.0
Naphthalene, 1,6,...	15.13	9.9	ng/ul	3036610	3	14.33	6137520	20.0
(DEL) Alkane: Str...	15.20	17.0	ng/ul	5218430	3	14.33	6137520	20.0
[1,1'-Biphenyl]-4...	15.69	40.5	ng/ul	12418400	3	14.33	6137520	20.0
Phenanthrene, 1-m...	18.02	2.5	ng/ul	26536700	4	17.10	210538000	20.0
4H-Cyclopenta[def...	18.17	3.6	ng/ul	38364300	4	17.10	210538000	20.0
4,4'-Bis(tetrahyd...	19.21	105.6	ng/ul	244622000	5	21.29	46327100	20.0
2,4,7-Pteridinetr...	19.40	4.5	ng/ul	10349900	5	21.29	46327100	20.0
Benzo(b)naphtho(1...	19.60	3.0	ng/ul	6958230	5	21.29	46327100	20.0
Benzo[kl]xanthene	19.70	5.1	ng/ul	11796100	5	21.29	46327100	20.0
4-Azapyrene	19.77	2.2	ng/ul	5196120	5	21.29	46327100	20.0
Pyrene, 1-methyl-	19.86	6.7	ng/ul	15449700	5	21.29	46327100	20.0
11H-Benzo[b]fluorene	19.98	2.8	ng/ul	6367280	5	21.29	46327100	20.0
Pyrene, 2-methyl-	20.32	2.1	ng/ul	4981980	5	21.29	46327100	20.0
11H-Benzo[a]fluor...	20.76	5.0	ng/ul	11651400	5	21.29	46327100	20.0
Benzo[b]naphtho[2...	20.92	4.7	ng/ul	10923100	5	21.29	46327100	20.0
Benzo[c]phenanthrene	20.96	3.3	ng/ul	7736640	5	21.29	46327100	20.0
Cyclopenta[cd]pyrene	21.00	3.5	ng/ul	8079540	5	21.29	46327100	20.0