LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012469.D
Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

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-BM102417.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.045	665	673	682	rBV2	388839	749368	7.92%	0.543%
2	7.210	694	701	706	rBV	282504	440646	4.66%	0.320%
3	7.410	725	735	741	rBV	390080	623715	6.59%	0.452%
4	7.881	806	815	822	rBV	2122289	3385412	35.78%	2.455%
5	8.581	927	934	944	rBV	411793	668540	7.07%	0.485%
6	9.034	1004	1011	1019	rVB	350900	592992	6.27%	0.430%
7	9.751	1125	1133	1139	rBV	279111	470922	4.98%	0.341%
8	9.992	1165	1174	1183	rBV	188855	342017	3.61%	0.248%
9	10.292	1215	1225	1234	rVB	460946	801289	8.47%	0.581%
10	10.669	1280	1289	1295	rBV	2854282	4716705	49.85%	3.420%
11	12.327	1563	1571	1579	rVB	431254	702710	7.43%	0.510%
12	12.545	1598	1608	1616	rBV	539248	893316	9.44%	0.648%
13	12.786	1643	1649	1658	rBV	207782	343588	3.63%	0.249%
14	13.539	1772	1777	1790	rVB	128286	337316	3.57%	0.245%
15	13.669	1793	1799	1800	rBV	380789	481770	5.09%	0.349%
16	13.827	1820	1826	1831	rVV	853084	1461449	15.45%	1.060%
17	13.880	1831	1835	1838	rVV	546151	867546	9.17%	0.629%
18	13.916	1838	1841	1845	rVV	755621	1044037	11.03%	0.757%
19	13.963	1845	1849	1854	rVB	319601	464450	4.91%	0.337%
20	14.063	1859	1866	1870	rVV	427268	693510	7.33%	0.503%
21	14.198	1883	1889	1892	rBV	862292	1378581	14.57%	1.000%
22	14.227	1892	1894	1904	rVB	736832	1020364	10.78%	0.740%
23	14.510	1931	1942	1948	rBV2	3720850	5940692	62.79%	4.308%
24	14.569	1948	1952	1960	rVV2	325998	615031	6.50%	0.446%
25	14.710	1970	1976	1986	rBV3	316834	859321	9.08%	0.623%
26	14.804	1986	1992	1998	rVV3	129166	296230	3.13%	0.215%
27	14.904	1998	2009	2016	rVV	485866	930463	9.83%	0.675%
28	14.980	2017	2022	2028	rVB	507417	699140	7.39%	0.507%
29	15.127	2039	2047	2051	rBV2	433872	857460	9.06%	0.622%
30	15.174	2051	2055	2060	rVB	331716	430504	4.55%	0.312%
31	15.298	2067	2076	2079	rBV3	294047	728348	7.70%	0.528%
32	15.327	2079	2081	2085	rVB	217946	241900	2.56%	0.175%
33	15.498	2101	2110	2114	rBV	1069451	1622821	17.15%	1.177%
34	15.551	2114	2119	2124	rBV2	716223	1058937	11.19%	0.768%

LSC Area Percent Report

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Data File : BM012469.D
Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

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-BM102417.M
Title : SVOA CALIBRATION

35	15.674	2137	2140	2144	rVV2	214261	332736	3.52%	0.241%
36	15.763	2151	2155	2164	rVV4	208067	404175	4.27%	0.293%
37	15.863	2164	2172	2180	rVB7	323640	844131	8.92%	0.612%
38	15.998	2192	2195	2202	rVV3	178427	324987	3.43%	0.236%
39	16.068	2202	2207	2217	rVB5	102602	274830	2.90%	0.199%
40	16.227	2229	2234	2247	rVB4	348792	648029	6.85%	0.470%
41	16.363	2253	2257	2261	rBV	162477	270707	2.86%	0.196%
42	16.557	2281	2290	2294	rBV2	511795	1182627	12.50%	0.858%
43	16.604	2294	2298	2304	rVB	488270	675674	7.14%	0.490%
44	16.704	2311	2315	2320	rVB2	355401	544210	5.75%	0.395%
45	16.904	2345	2349	2357	rVB5	180014	359797	3.80%	0.261%
46	16.986	2358	2363	2373	rVV8	126602	412483	4.36%	0.299%
47	17.068	2373	2377	2385	rVB	371873	599789	6.34%	0.435%
48	17.251	2402	2408	2411	rBV2	3788798	5654706	59.77%	4.100%
49	17.292	2411	2415	2420	rVV	3739287	5228496	55.26%	3.791%
50	17.345	2420	2424	2427	rVV	1032193	1391482	14.71%	1.009%
51	17.380	2427	2430	2435	rVB	720084	960763	10.15%	0.697%
52	17.445	2435	2441	2445	rBV2	355634	710535	7.51%	0.515%
53	17.662	2473	2478	2483	rBV4	139663	387662	4.10%	0.281%
54	17.827	2499	2506	2512	rVB2	529586	778090	8.22%	0.564%
55	17.974	2526	2531	2537	rVB	273781	497790	5.26%	0.361%
56	18.121	2551	2556	2560	rVV	1664577	2476169	26.17%	1.796%
57	18.168	2560	2564	2572	rVB	2024542	3049411	32.23%	2.211%
58	18.251	2573	2578	2583	rBV2	638501	998622	10.55%	0.724%
59	18.309	2583	2588	2593	rVV2	1889731	3715410	39.27%	2.694%
60	18.351	2593	2595	2602	rVB	1379125	1860562	19.66%	1.349%
61	18.439	2606	2610	2613	rBV2	184339	276992	2.93%	0.201%
62	18.521	2619	2624	2628	rVB3	242072	363740	3.84%	0.264%
63	18.621	2636	2641	2645	rBV2	648309	895577	9.47%	0.649%
64	18.662	2645	2648	2654	rVB3	245412	470805	4.98%	0.341%
65	18.839	2674	2678	2680	rBV2	242380	348470	3.68%	0.253%
66	18.868	2680	2683	2687	rVV	554866	785448	8.30%	0.570%
67	18.915	2688	2691	2695	rVV	686571	971406	10.27%	0.704%
68	18.956	2695	2698	2702	rVB2	500599	630078	6.66%	0.457%
69	19.039	2707	2712	2716	rBV	1795327	2756998	29.14%	1.999%
70	19.098	2716	2722	2726	rVV3	914649	2064021	21.82%	1.497%
71	19.133	2726	2728	2731	rVB	541354	519371	5.49%	0.377%

LSC Area Percent Report

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Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

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-BM102417.M
Title : SVOA CALIBRATION

72	19.174	2731	2735	2749	rBV4	701376	1974286	20.87%	1.432%
73	19.303	2752	2757	2762	rBV	3325766	4375161	46.24%	3.173%
74	19.362	2764	2767	2770	rBV	333609	403782	4.27%	0.293%
75	19.403	2770	2774	2778	rVB2	436601	598482	6.33%	0.434%
76	19.451	2779	2782	2785	rVB	261898	282536	2.99%	0.205%
77	19.492	2787	2789	2793	rVB3	234418	274259	2.90%	0.199%
78	19.545	2794	2798	2800	rBV3	307055	400046	4.23%	0.290%
79	19.633	2808	2813	2814	rBV2	1326905	1545076	16.33%	1.120%
80	19.662	2814	2818	2827	rVV	4850712	7378087	77.98%	5.350%
81	19.739	2827	2831	2836	rVB2	663505	1054083	11.14%	0.764%
82	19.898	2855	2858	2864	rVB2	443179	646338	6.83%	0.469%
83	19.986	2868	2873	2883	rBV4	791785	2101376	22.21%	1.524%
84	20.074	2885	2888	2891	rVV3	226273	300934	3.18%	0.218%
85	20.127	2892	2897	2898	rVV3	622267	973573	10.29%	0.706%
86	20.156	2899	2902	2906	rVB	1189909	1523023	16.10%	1.104%
87	20.256	2916	2919	2924	rVB2	650163	772126	8.16%	0.560%
88	20.315	2925	2929	2934	rVB	1375714	1715126	18.13%	1.244%
89	20.456	2949	2953	2956	rBV	1233785	1595582	16.86%	1.157%
90	20.498	2956	2960	2964	rVB	1192733	1531929	16.19%	1.111%
91	20.903	3026	3029	3035	rVB2	644800	1075983	11.37%	0.780%
92	20.992	3041	3044	3048	rVB	387476	439870	4.65%	0.319%
93	21.045	3050	3053	3055	rBV2	413986	562358	5.94%	0.408%
94	21.415	3110	3116	3120	rBV2	5320379	9461290	100.00%	6.861%
95	21.456	3120	3123	3133	rVB	2278118	3146033	33.25%	2.281%
96	21.980	3210	3212	3217	rVB	1110269	1264930	13.37%	0.917%
97	22.033	3218	3221	3227	rVB	850762	1150473	12.16%	0.834%
98	23.033	3387	3391	3396	rBV2	1004154	1963104	20.75%	1.424%
99	23.627	3488	3492	3499	rVB	1537370	2728305	28.84%	1.978%
100	23.727	3504	3509	3515	rVB	2829973	5239834	55.38%	3.800%

Sum of corrected areas: 137905854

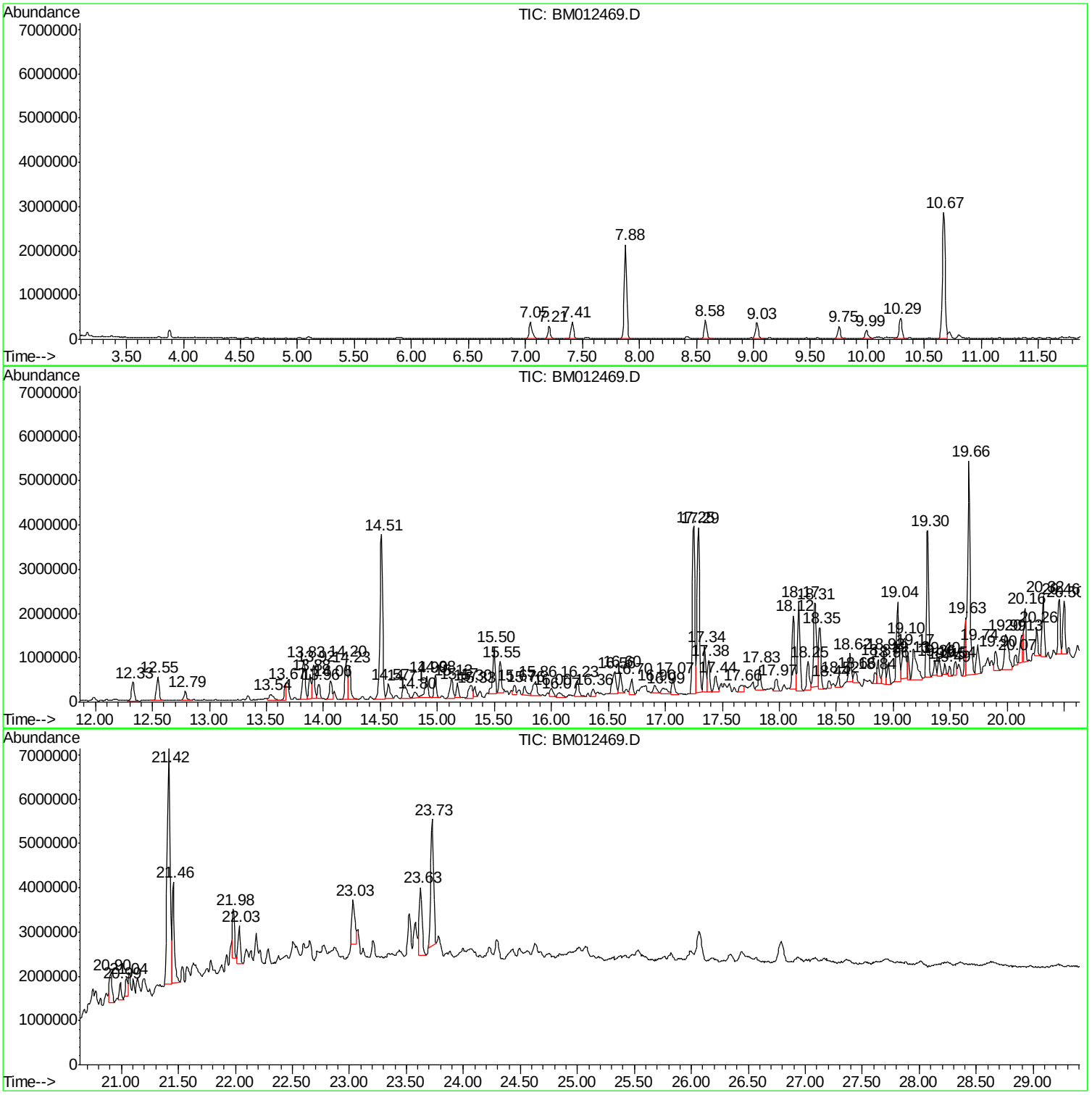
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012469.D
Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012469.D
Acq On : 26 Oct 2017 12:23
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Sample : I5756-07DL 5X
Misc :
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Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

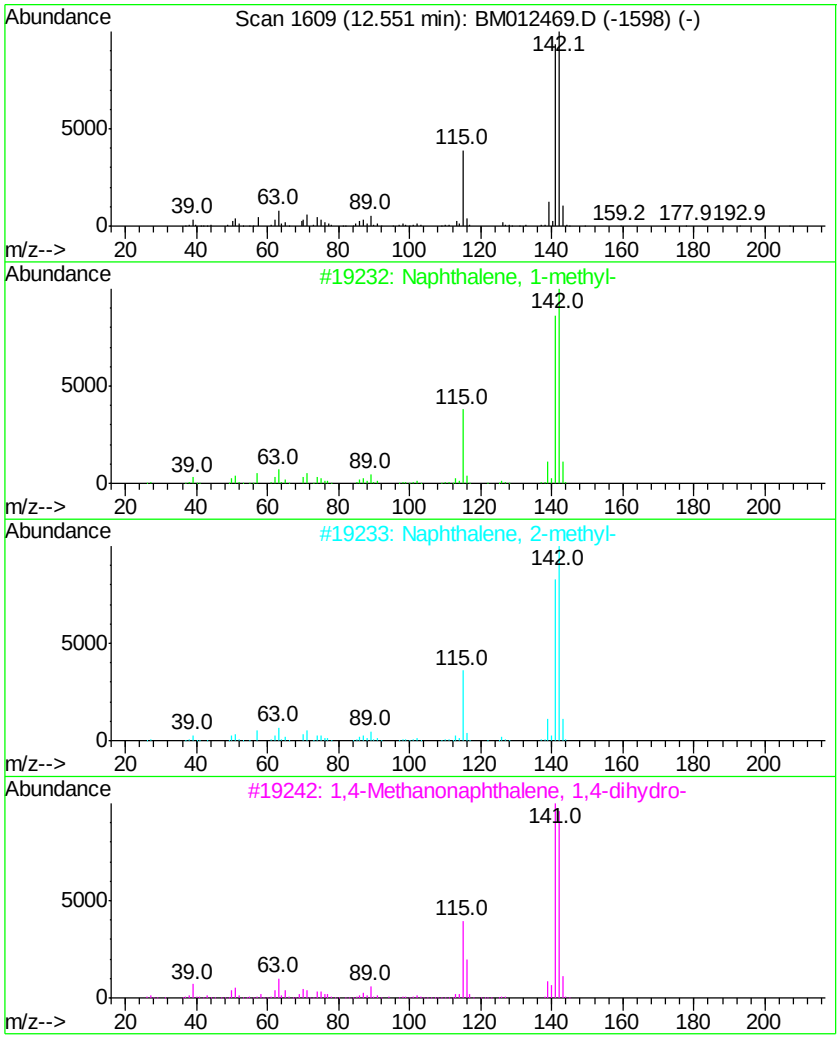
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

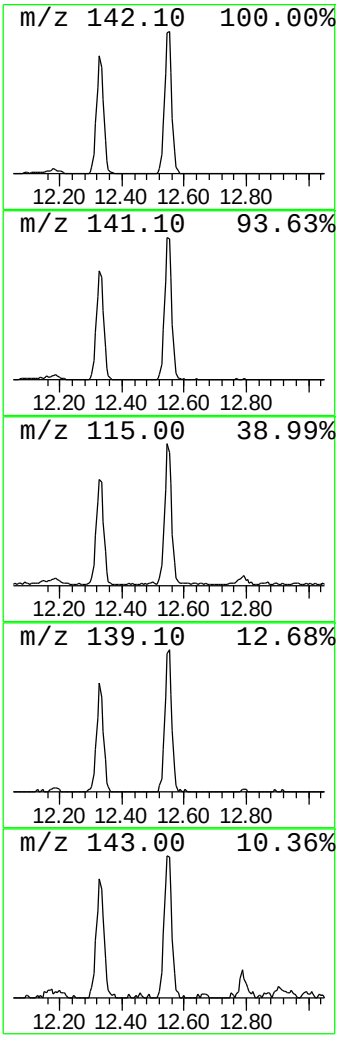
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	3.79 ng/ul	893316	Naphthalene-d8	10.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012469.D
Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

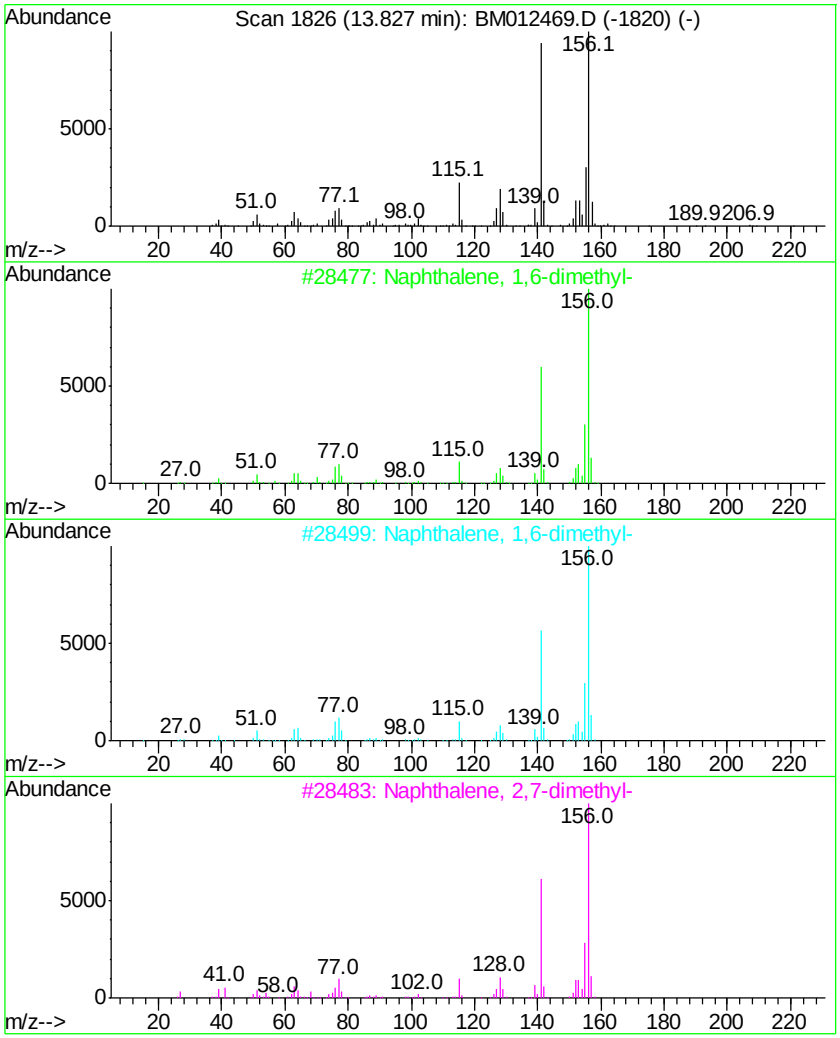
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

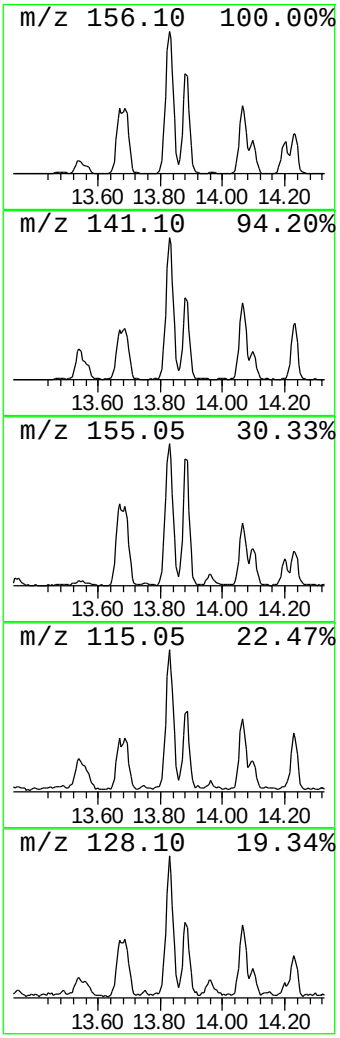
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	4.92 ng/ul	1461450	Acenaphthene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012469.D
Acq On : 26 Oct 2017 12:23
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Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

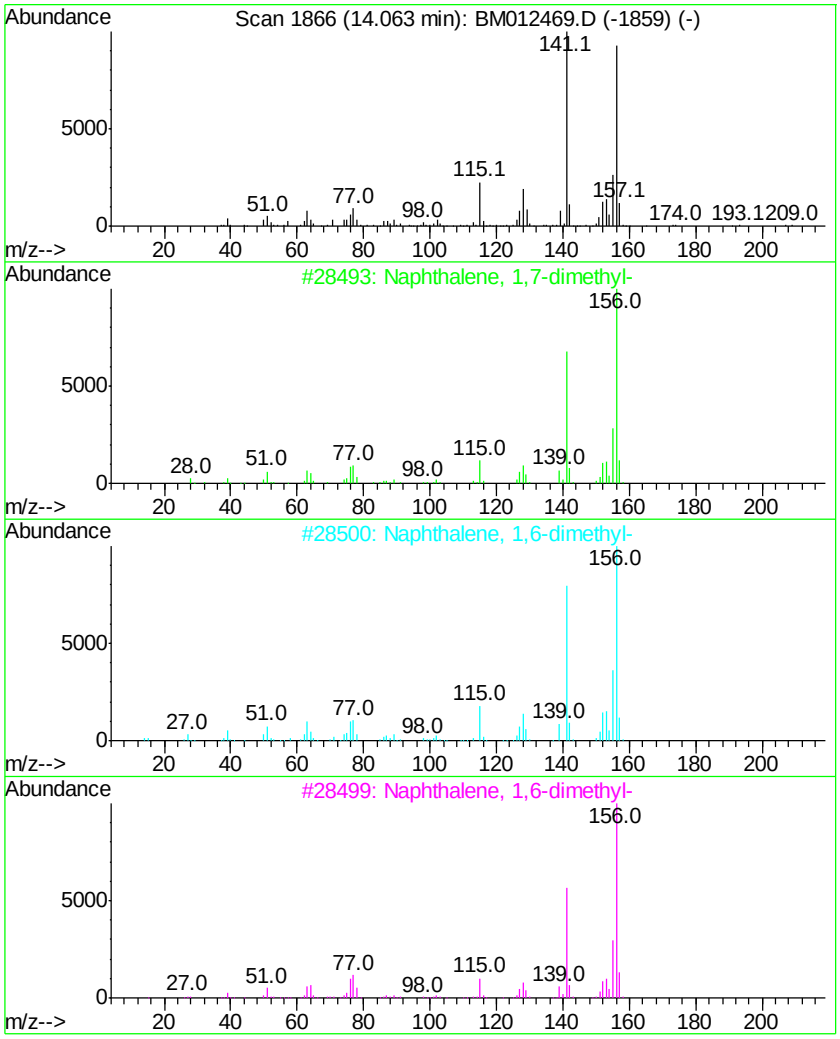
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

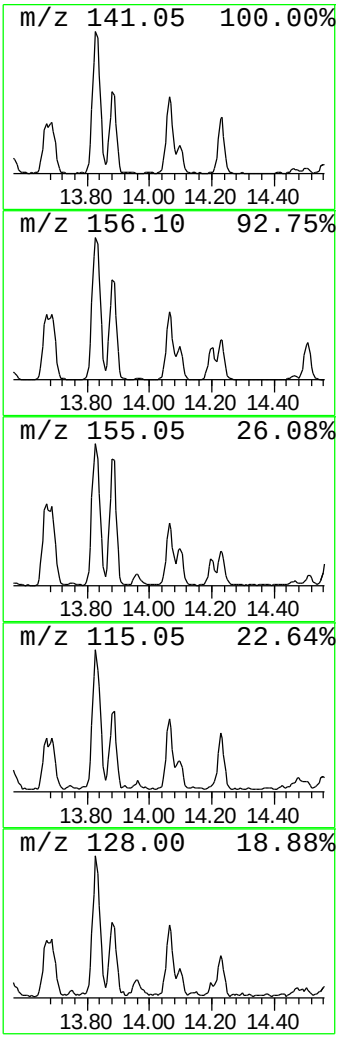
****

Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	2.33 ng/ul	693510	Acenaphthene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	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, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012469.D
Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

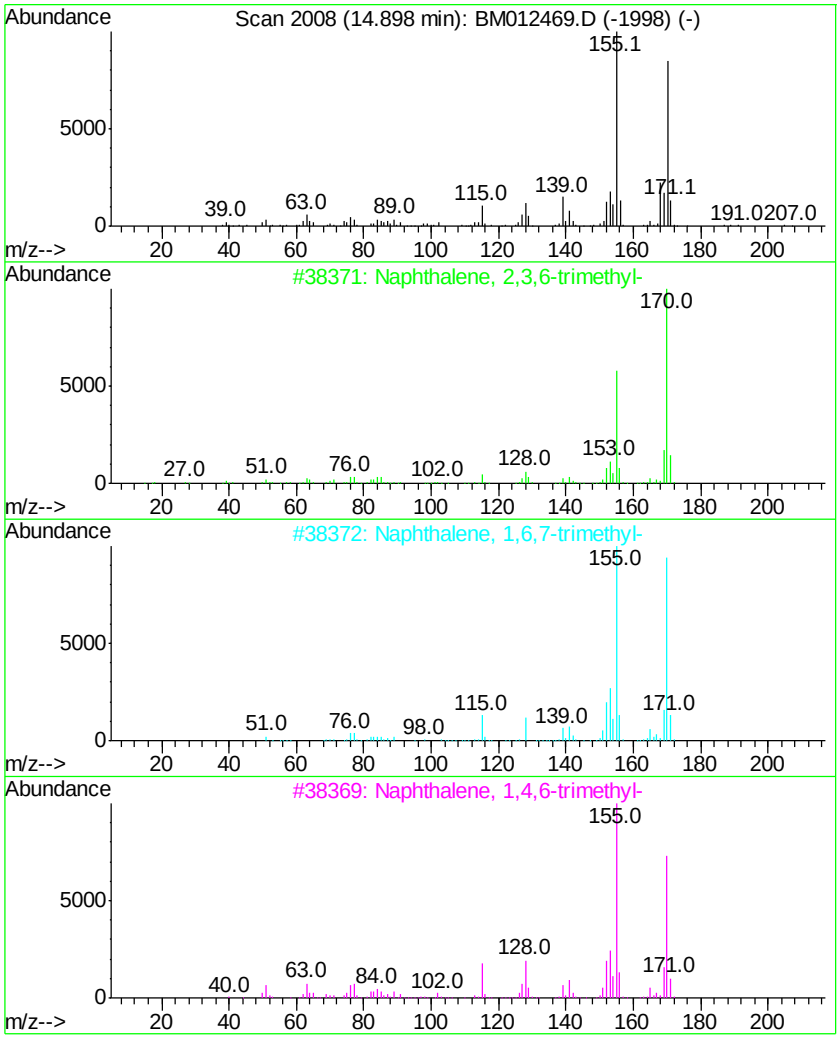
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

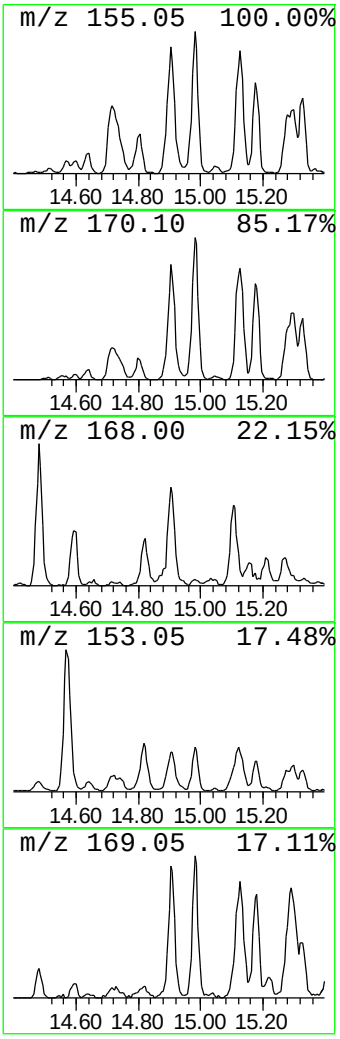
****

Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	3.13 ng/ul	930463	Acenaphthene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012469.D
Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

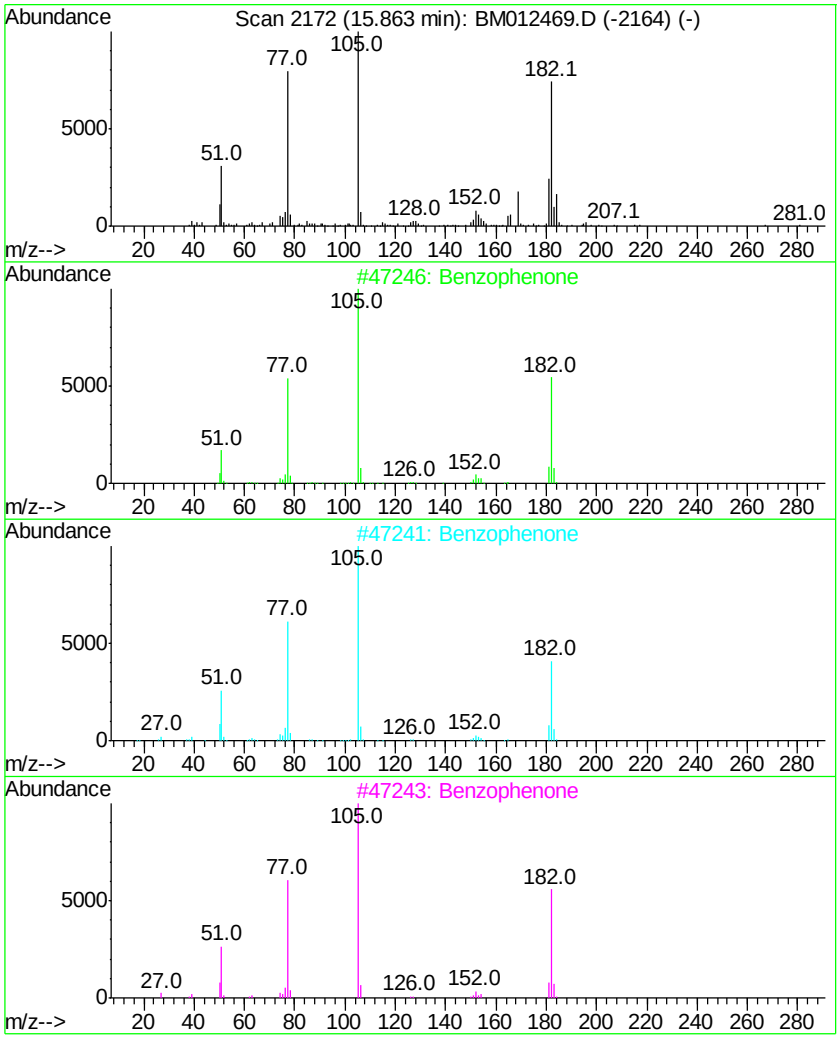
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

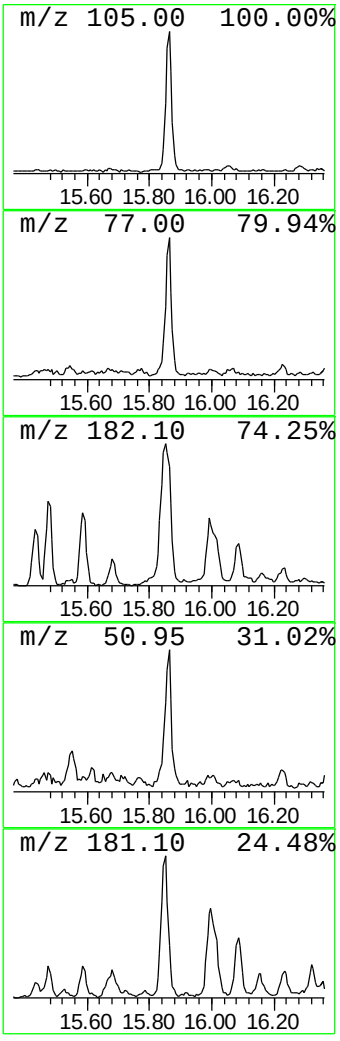
****

Peak Number 8 Benzophenone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	2.84 ng/ul	844131	Acenaphthene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	87
2	Benzophenone	182	C13H10O	000119-61-9	87
3	Benzophenone	182	C13H10O	000119-61-9	87
4	Benzophenone	182	C13H10O	000119-61-9	80
5	Benzophenone	182	C13H10O	000119-61-9	64





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Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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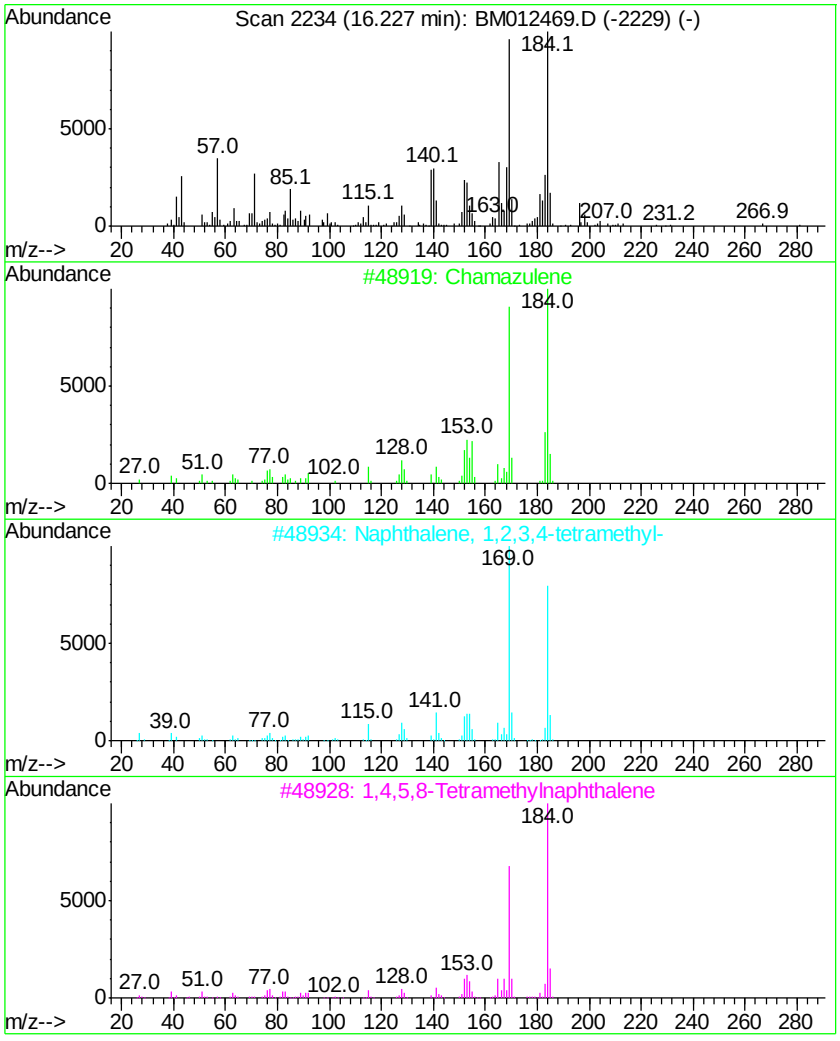
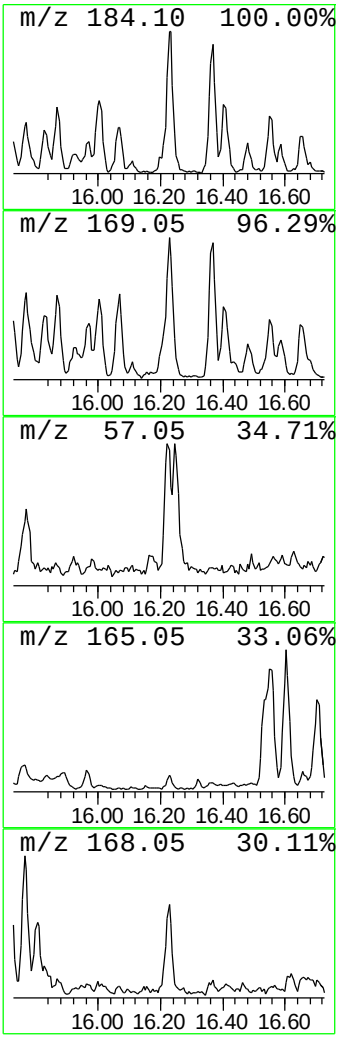
Peak Number 9 Chamazulene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	2.29 ng/ul	648029	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	93
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	83
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	68
4	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	64
5	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	58





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Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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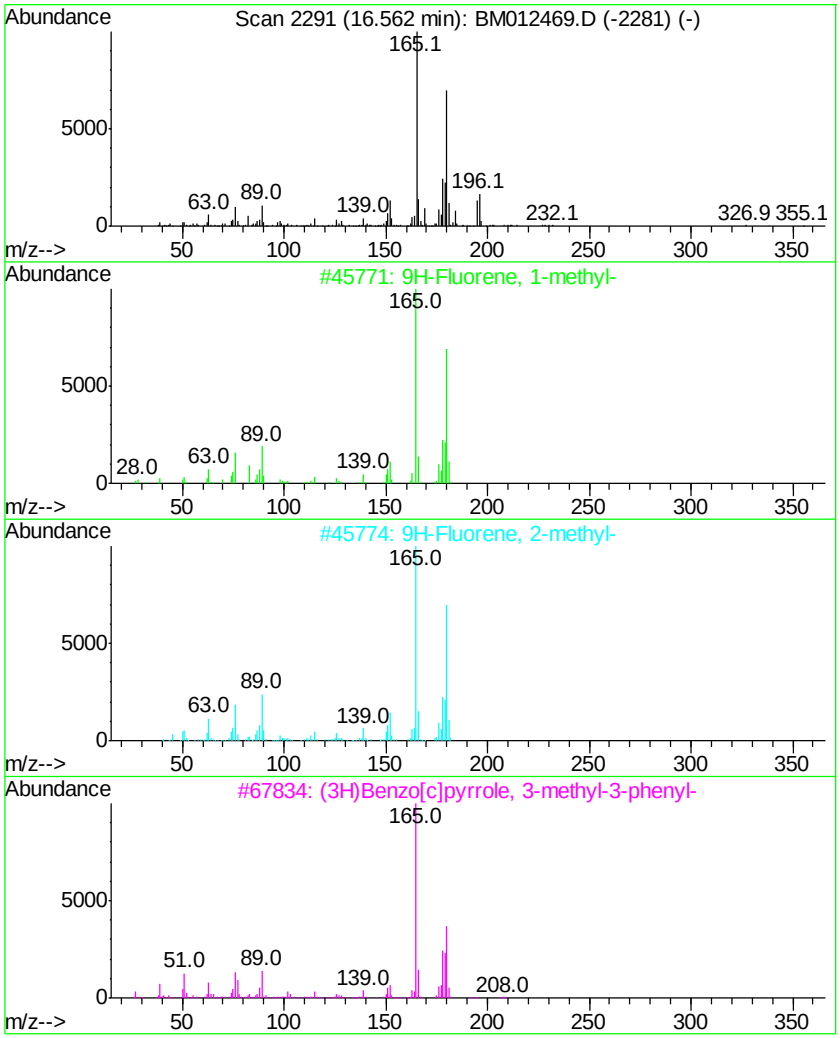
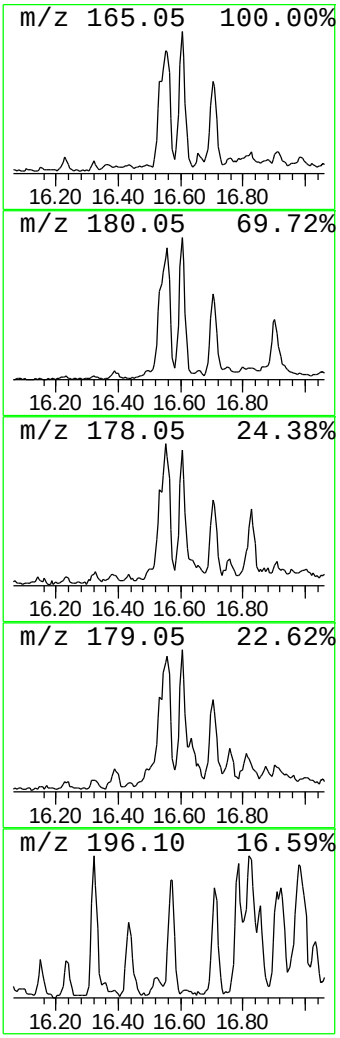
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	4.18 ng/ul	1182630	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	91
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89





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Operator : SJ/JU
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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

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Quant Title : SVOA CALIBRATION

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

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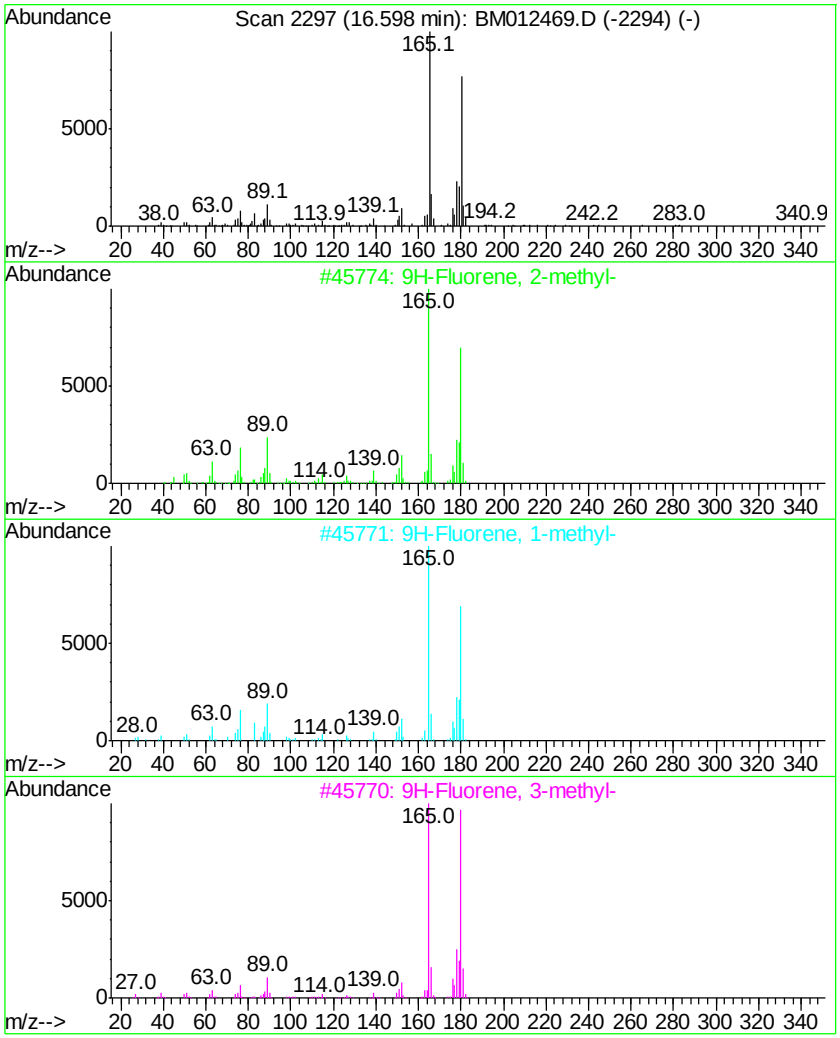
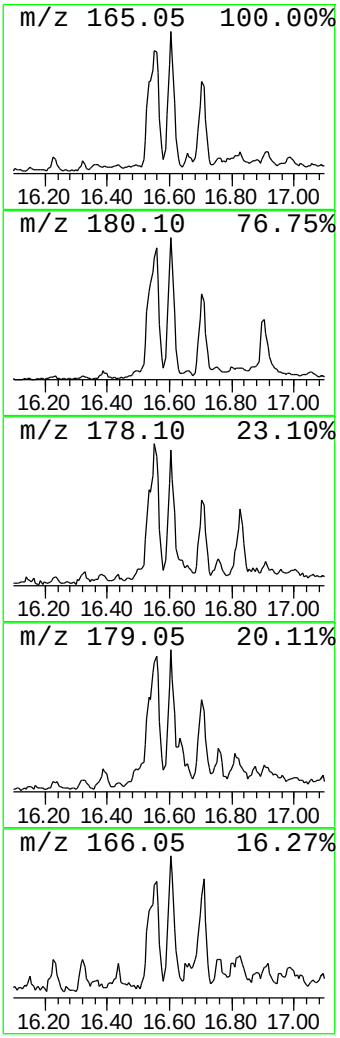
Peak Number 11 9H-Fluorene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	2.39 ng/ul	675674	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91





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Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
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ClientSampleId : B0CN1DL

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Quant Title : SVOA CALIBRATION

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

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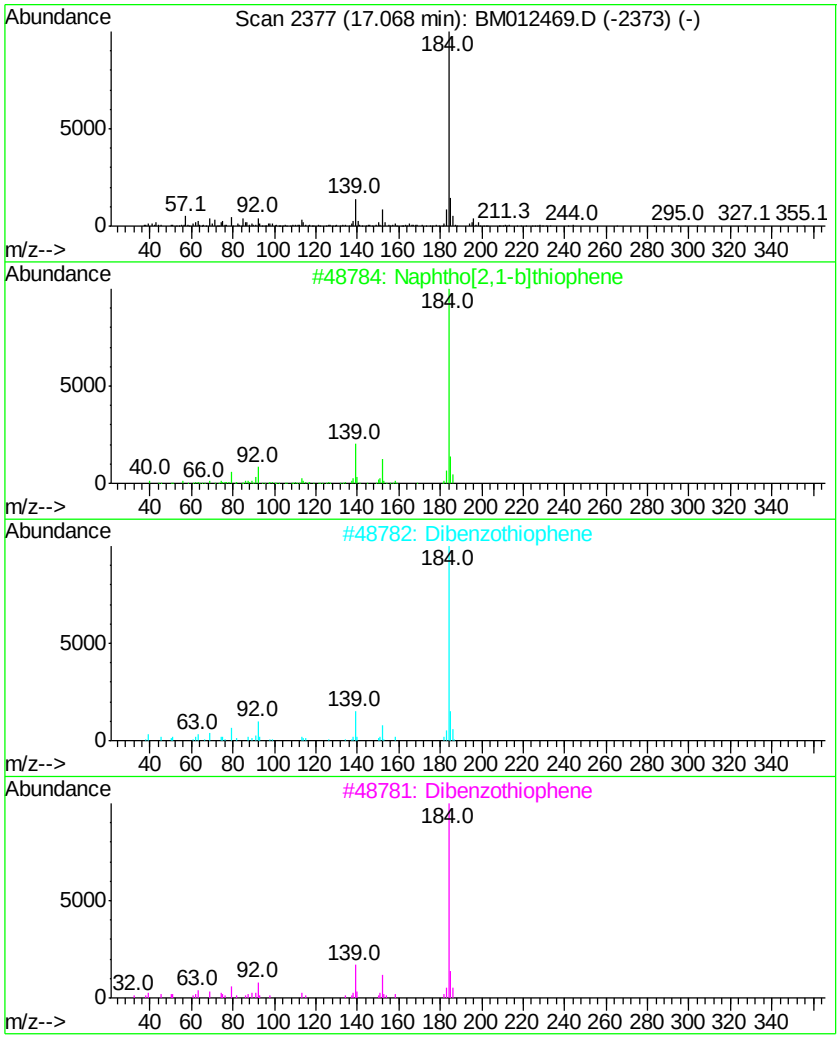
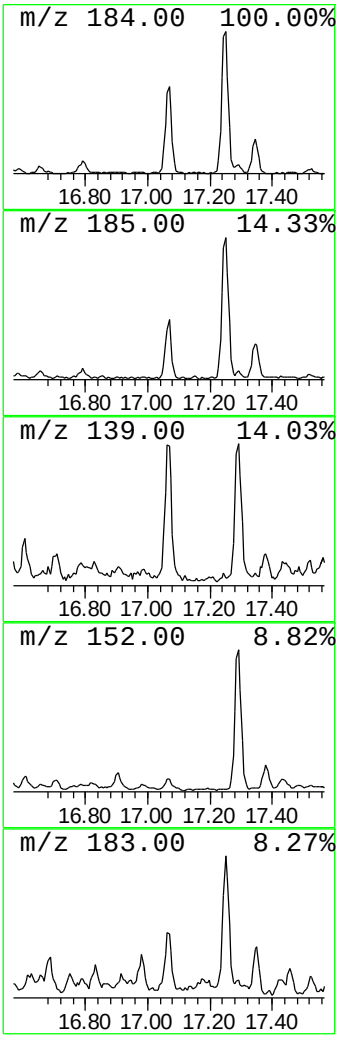
Peak Number 12 Naphtho[2,1-b]thiophene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	2.12 ng/ul	599789	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Misc :
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ClientSampleId : B0CN1DL

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Quant Title : SVOA CALIBRATION

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

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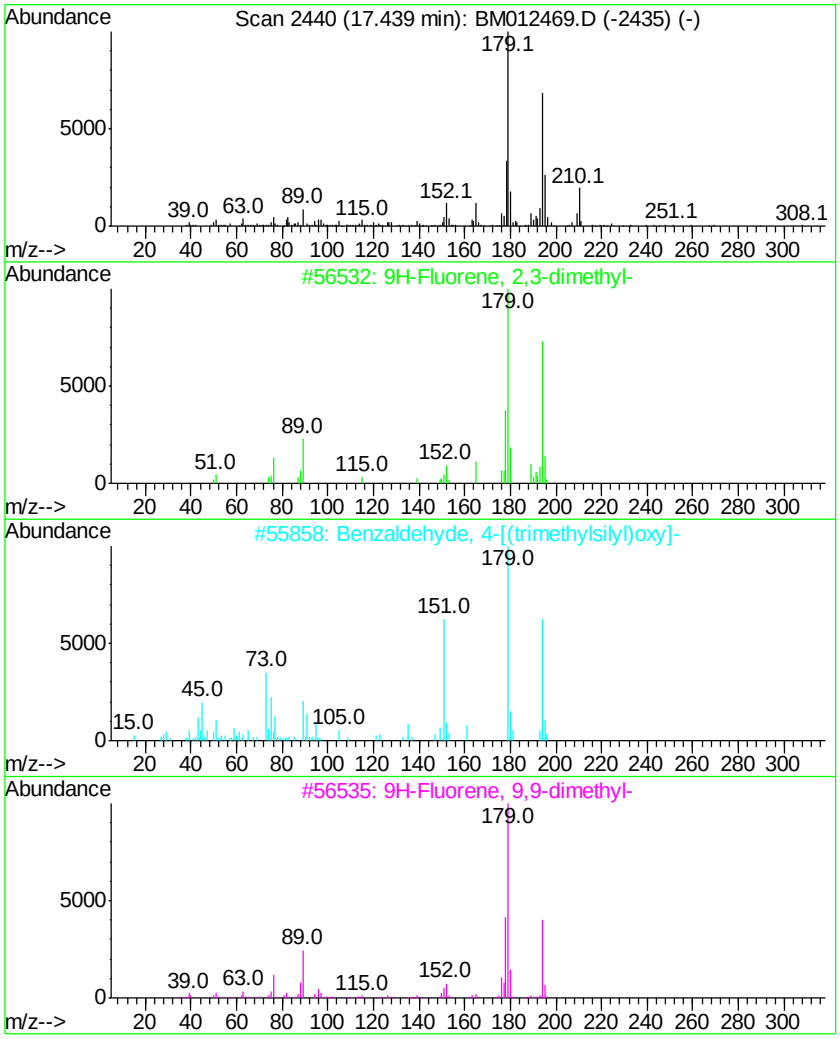
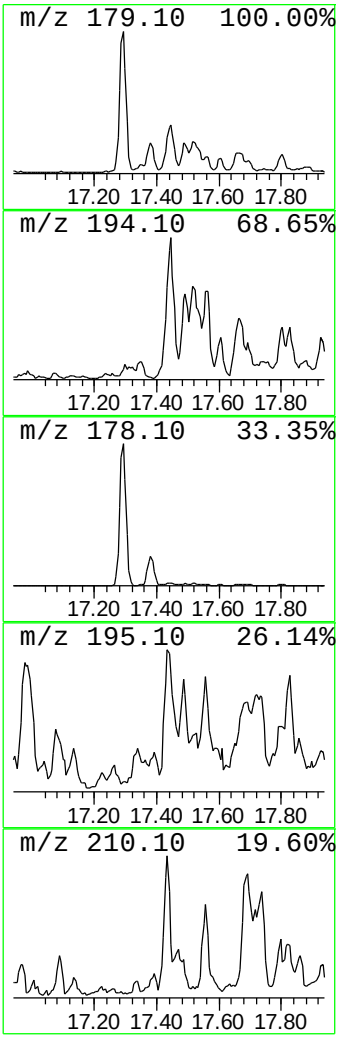
Peak Number 13 9H-Fluorene, 2,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	2.51 ng/ul	710535	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	91
2	Benzaldehyde, 4-[(trimethylsilyl...	194	C10H14O2Si	001012-12-0	64
3	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	64
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	55
5	Silane, trimethyl(3,5-xylyloxy)-	194	C11H18OSi	017994-05-7	52





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Acq On : 26 Oct 2017 12:23
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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

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Quant Title : SVOA CALIBRATION

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

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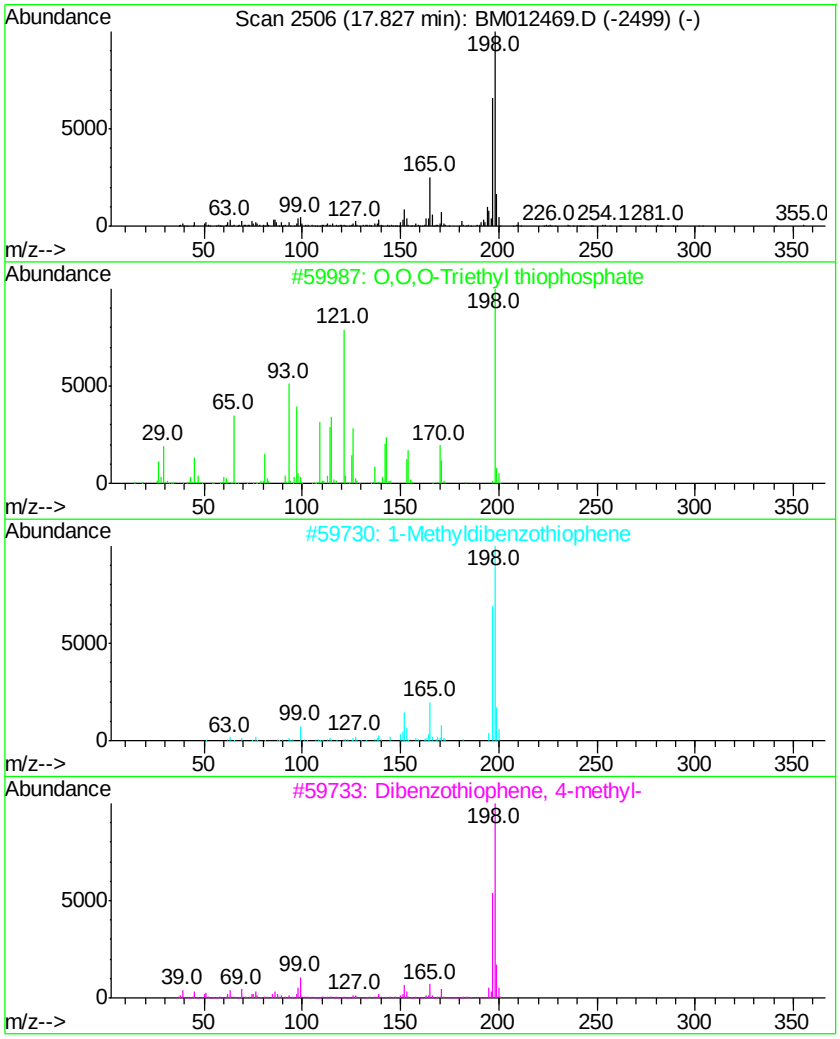
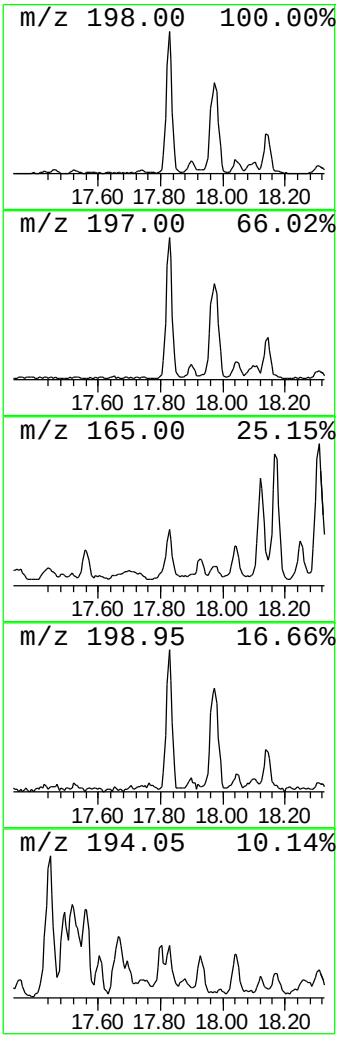
Peak Number 14 O,O,O-Triethyl thiophosphate Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	2.75 ng/ul	778090	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	O,O,O-Triethyl thiophosphate	198	C6H15O3PS	000126-68-1	86
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	83
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
5	Thioxanthene	198	C13H10S	000261-31-4	64





Library Search Compound Report

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Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
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Instrument : BNA_M
ClientSampleId : B0CN1DL

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Quant Title : SVOA CALIBRATION

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

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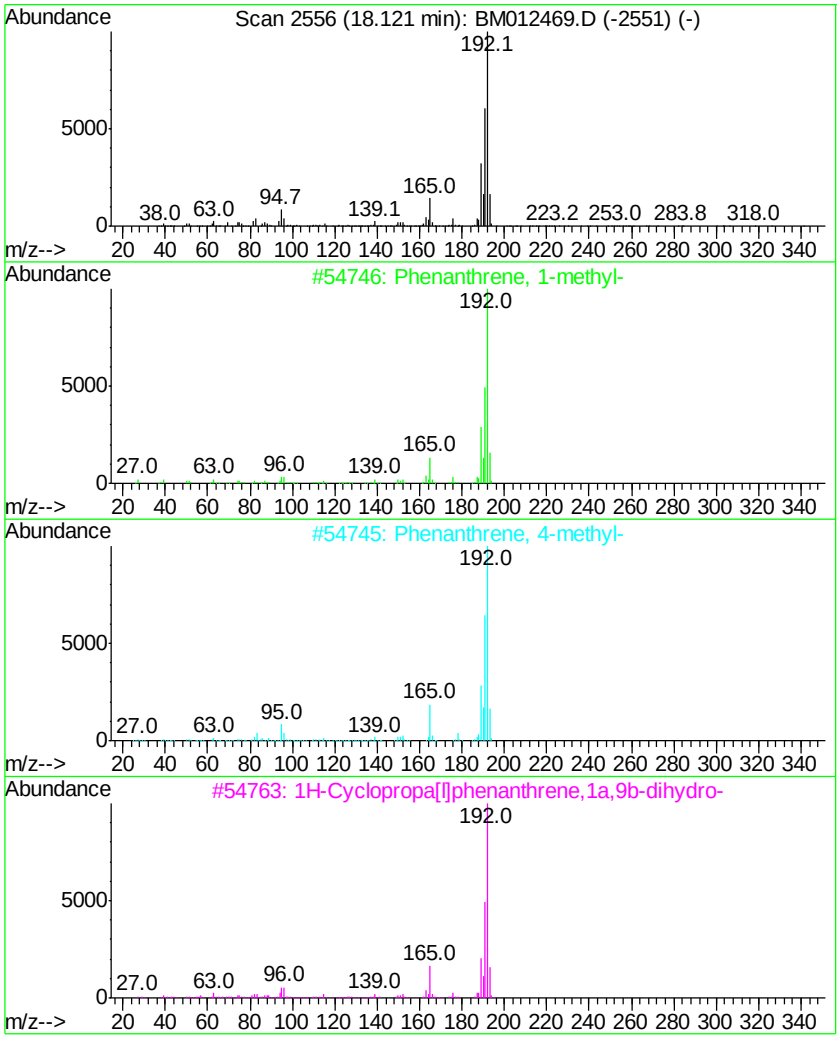
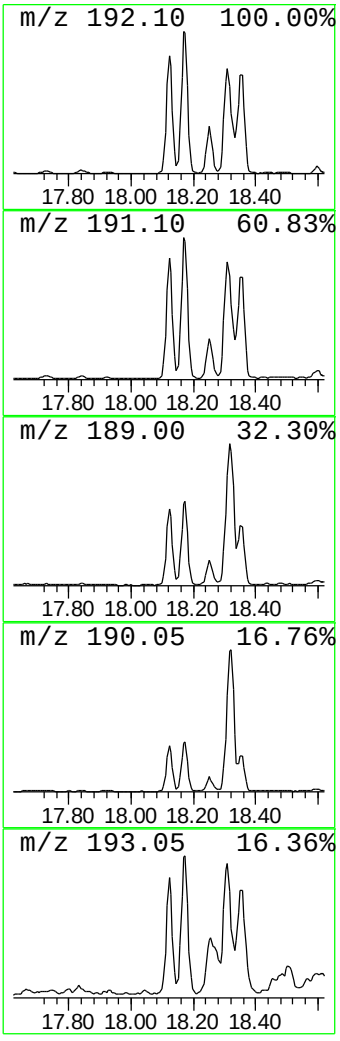
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	8.76 ng/ul	2476170	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

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Quant Title : SVOA CALIBRATION

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

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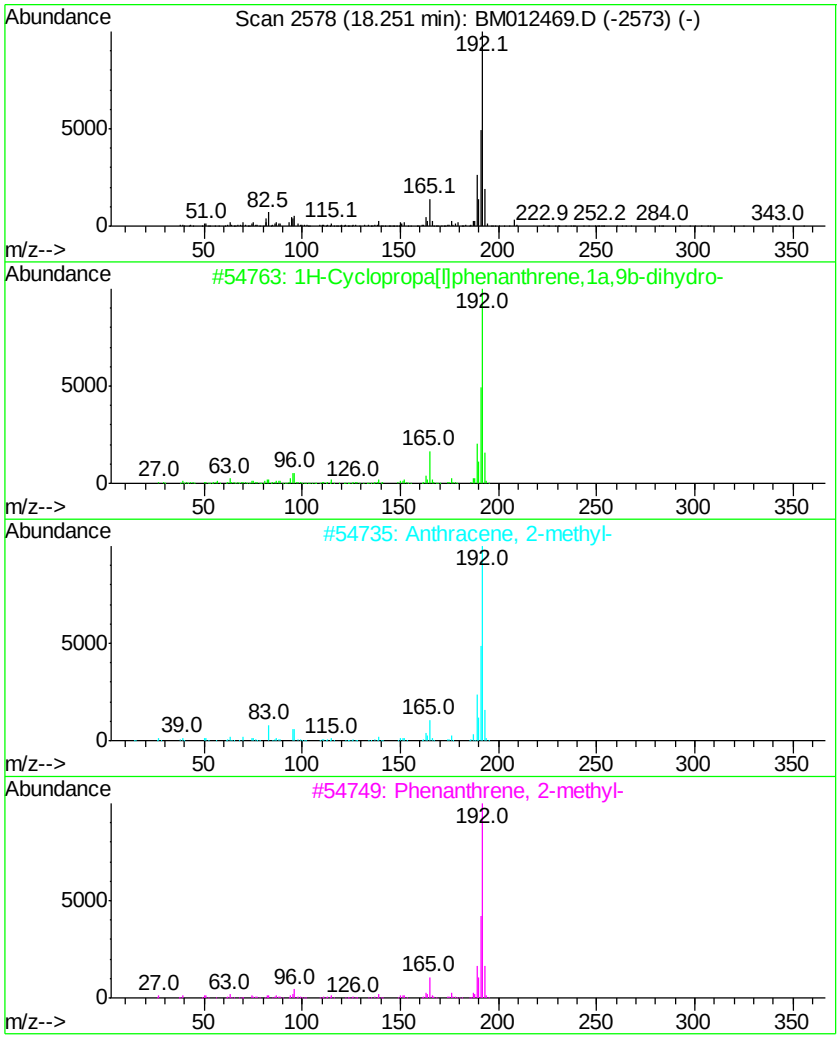
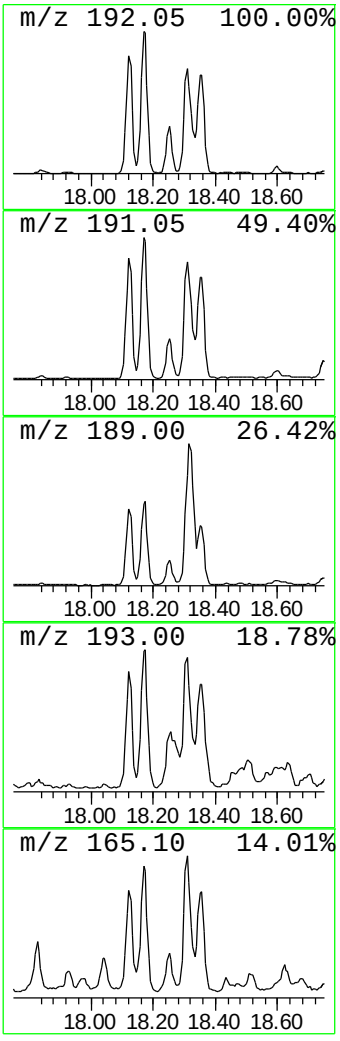
Peak Number 17 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	3.53 ng/ul	998622	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97





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Quant Title : SVOA CALIBRATION

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

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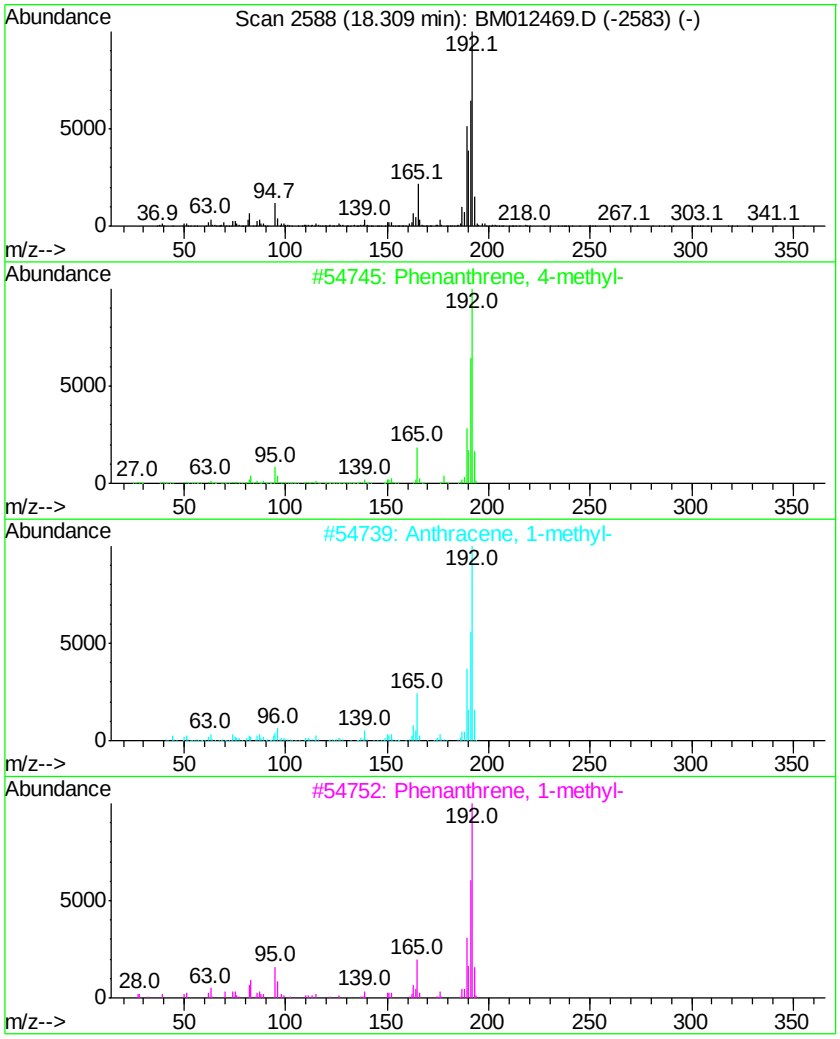
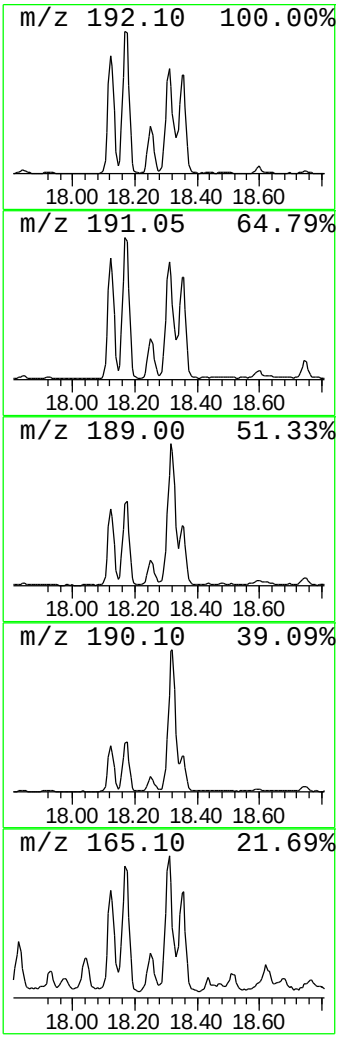
Peak Number 18 Phenanthrene, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	13.14 ng/ul	3715410	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	92
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83





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Misc :
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Instrument : BNA_M
ClientSampleId : B0CN1DL

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Quant Title : SVOA CALIBRATION

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

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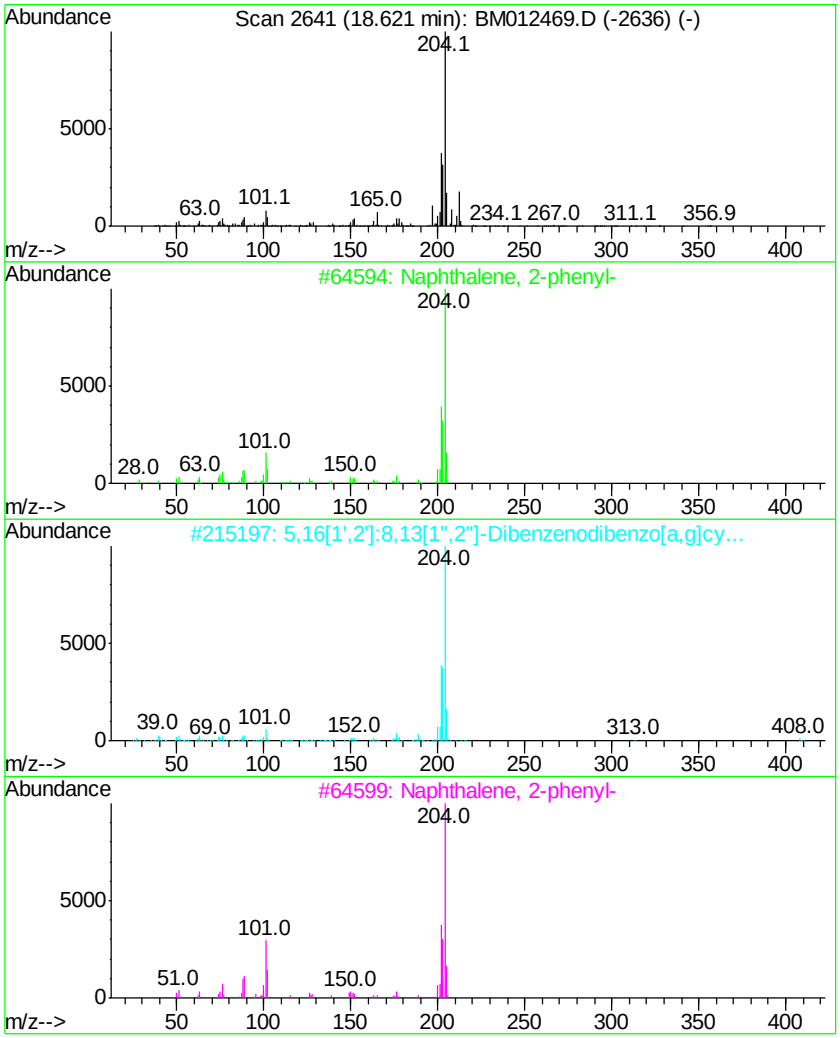
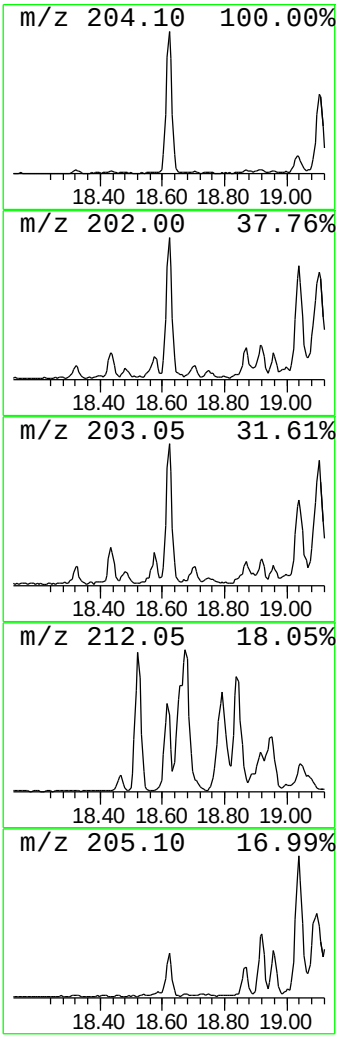
Peak Number 20 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.17 ng/ul	895577	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58





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Quant Title : SVOA CALIBRATION

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

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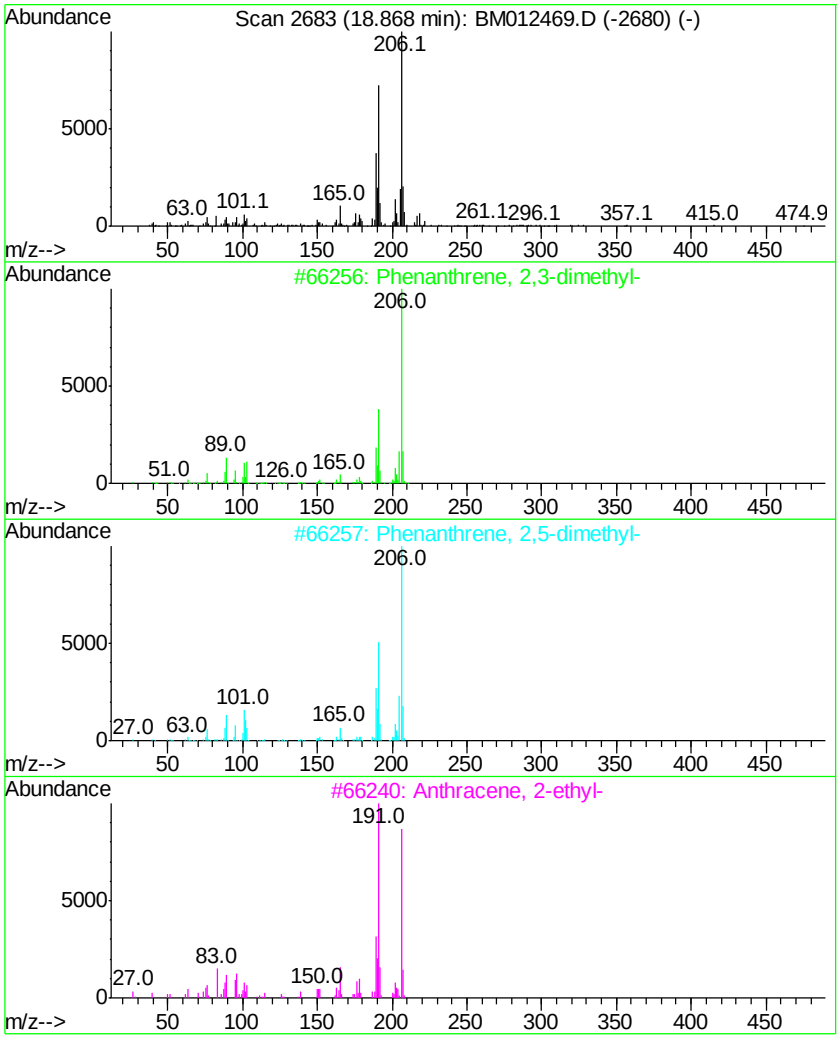
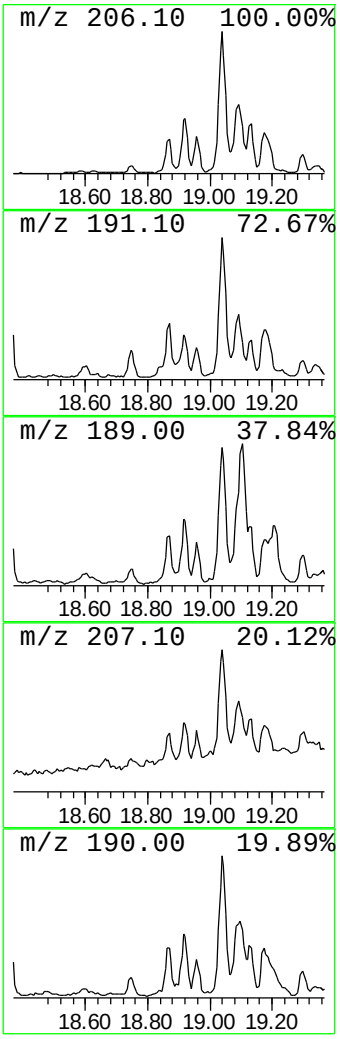
Peak Number 21 Phenanthrene, 2,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.78 ng/ul	785448	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90





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Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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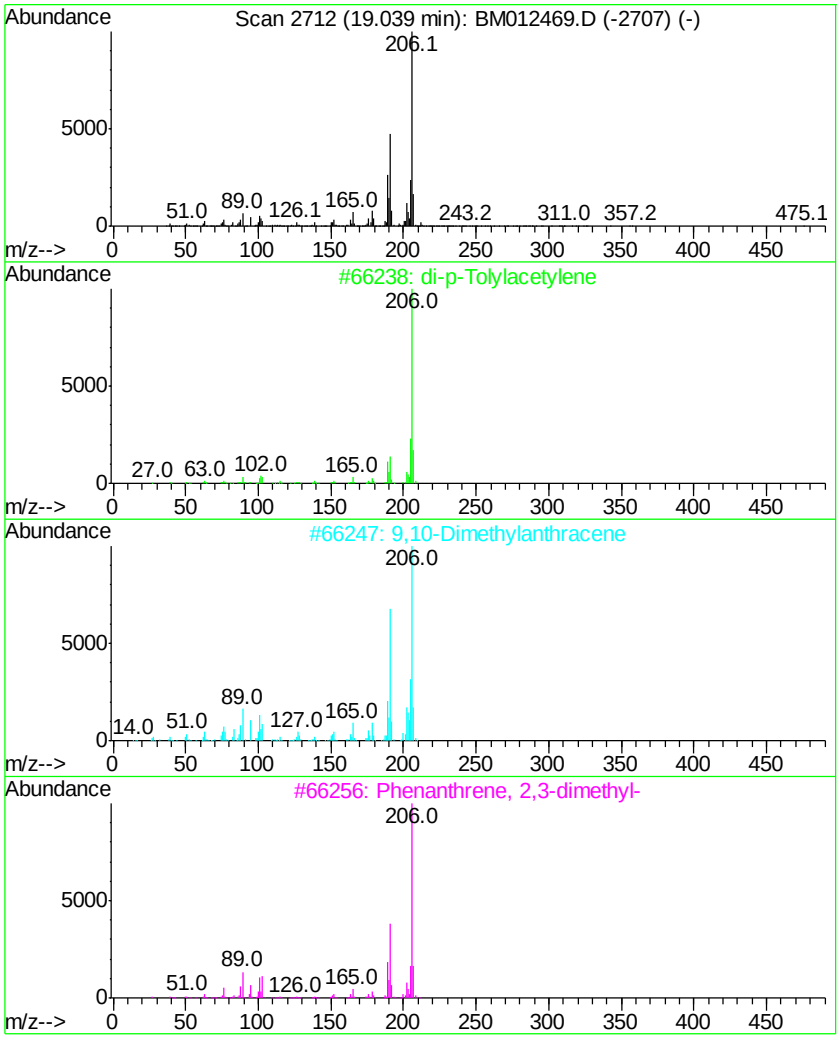
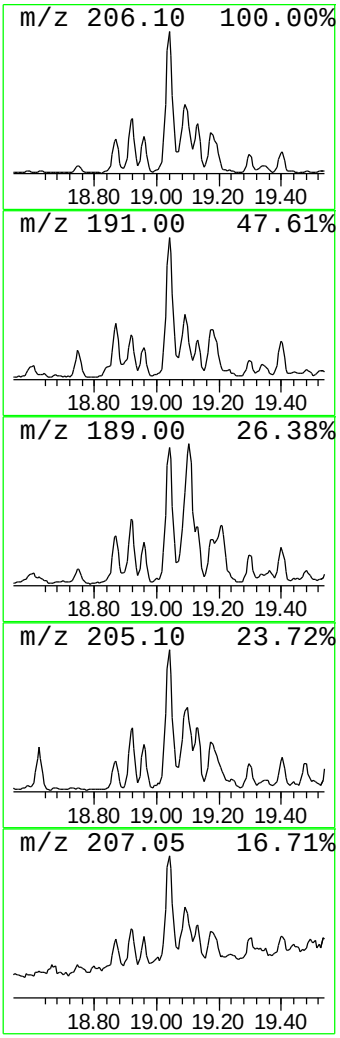
Peak Number 24 di-p-Tolylacetylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	9.75 ng/ul	2757000	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	81





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Data File : BM012469.D
Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

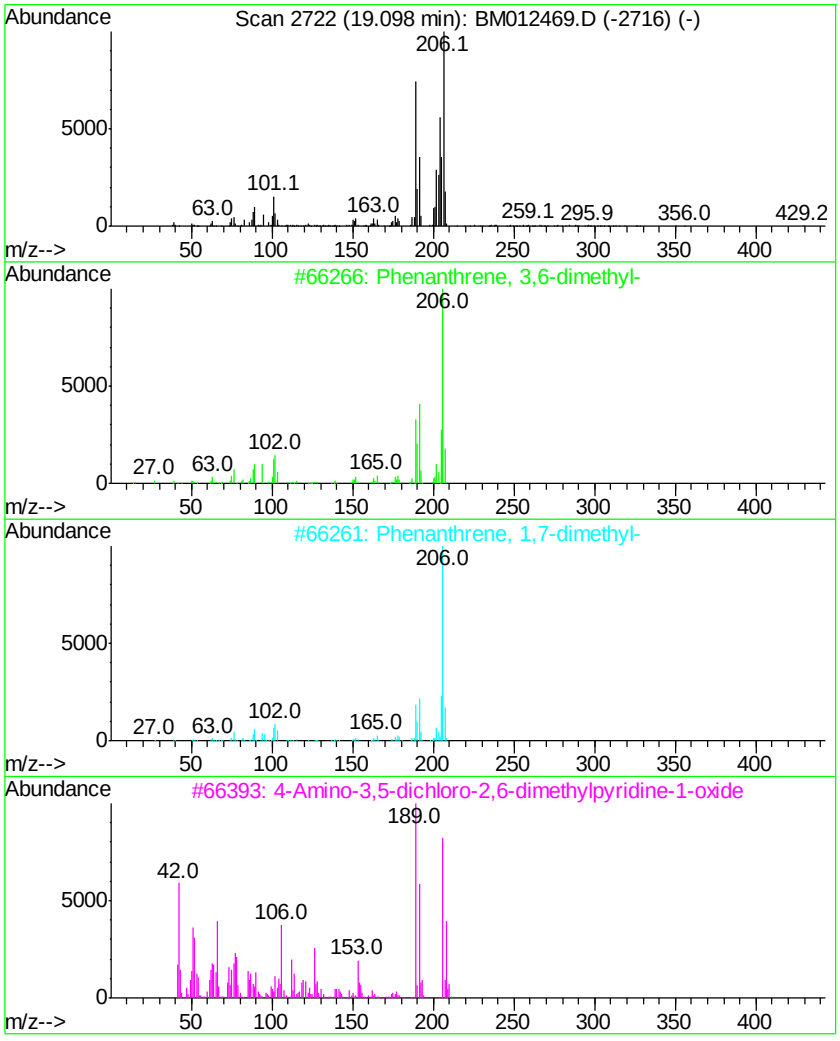
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

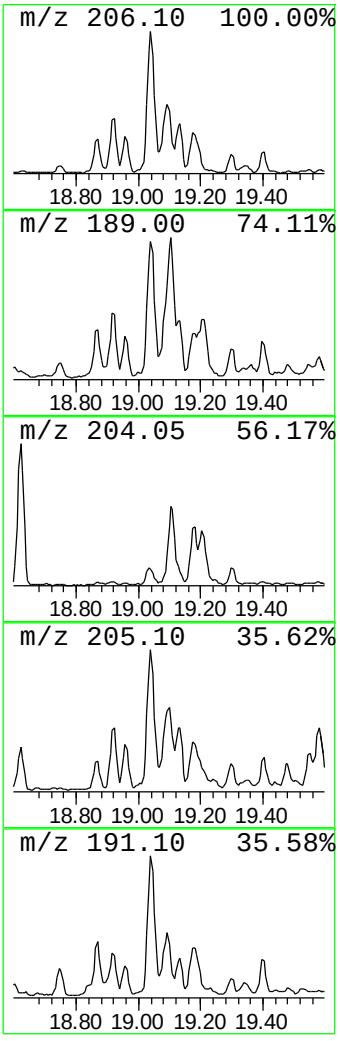
****

Peak Number 25 Phenanthrene, 3,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	7.30 ng/ul	2064020	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	55
3	4-Amino-3,5-dichloro-2,6-dimethy...	206	C7H8Cl2N2O	1000227-19-9	43
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	42
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	42





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Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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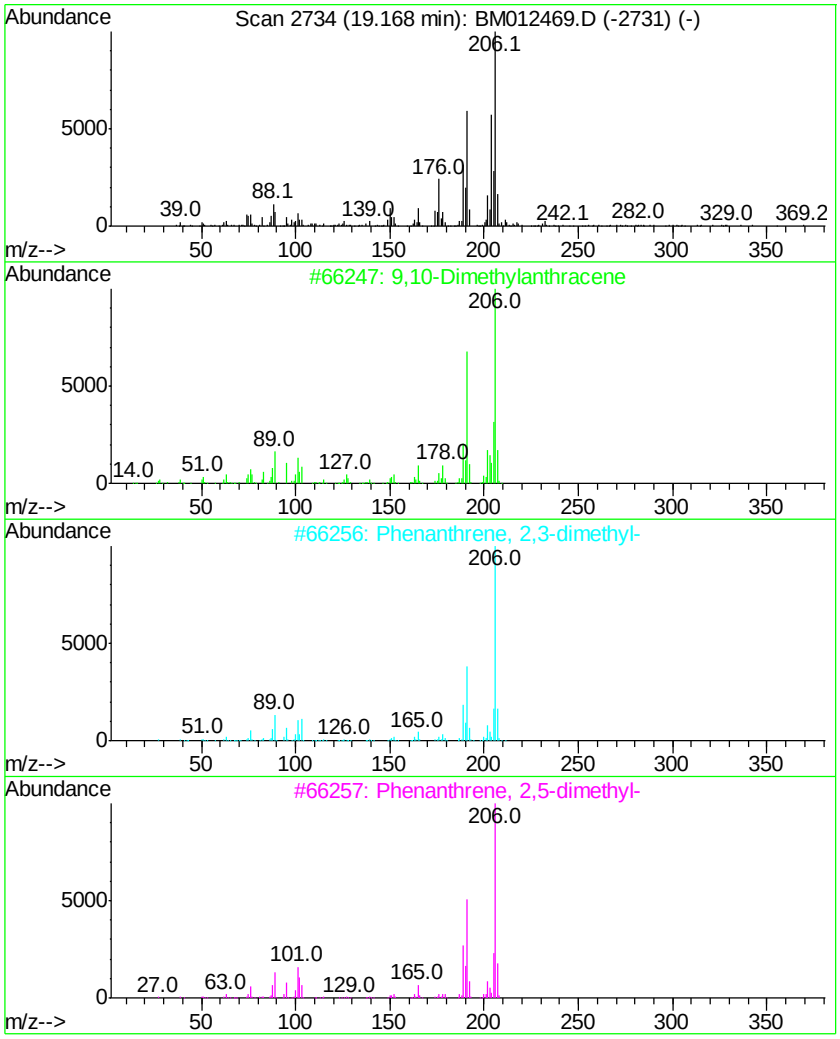
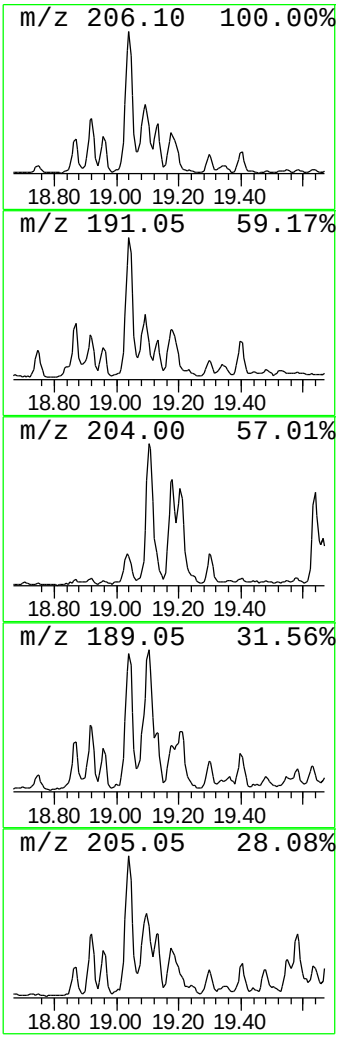
Peak Number 26 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	6.98 ng/ul	1974290	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	60





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Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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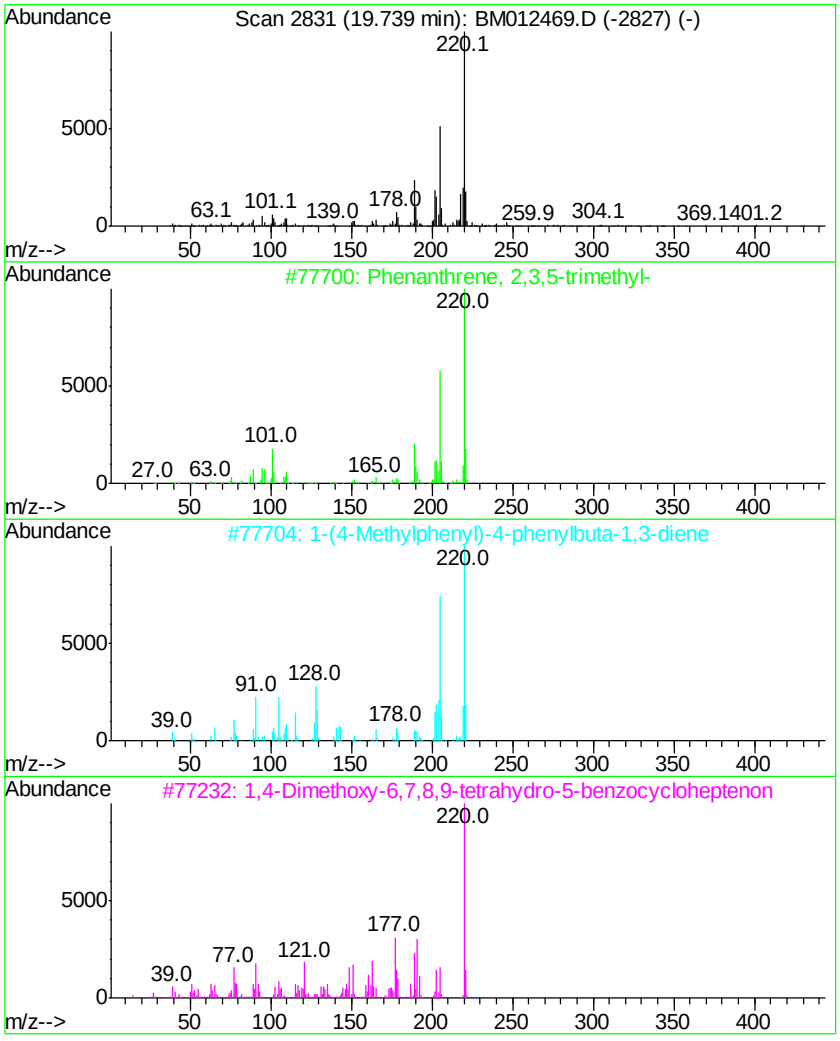
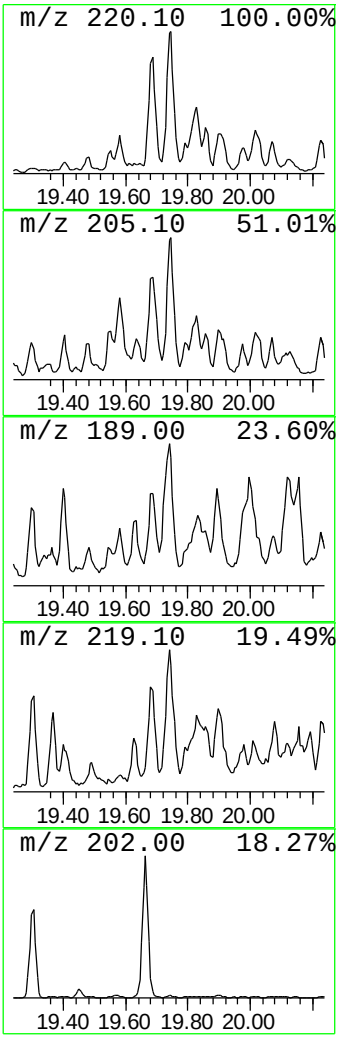
Peak Number 27 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	2.23 ng/ul	1054080	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	80
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	72
3	1,4-Dimethoxy-6,7,8,9-tetrahydro...	220	C13H16O3	079381-09-2	47
4	3,5-Cyclohexadiene-1,2-dione, 3,...	220	C14H20O2	003383-21-9	47
5	9-Ethyl-10-methylanthracene	220	C17H16	019713-49-6	43





Library Search Compound Report

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Data File : BM012469.D
Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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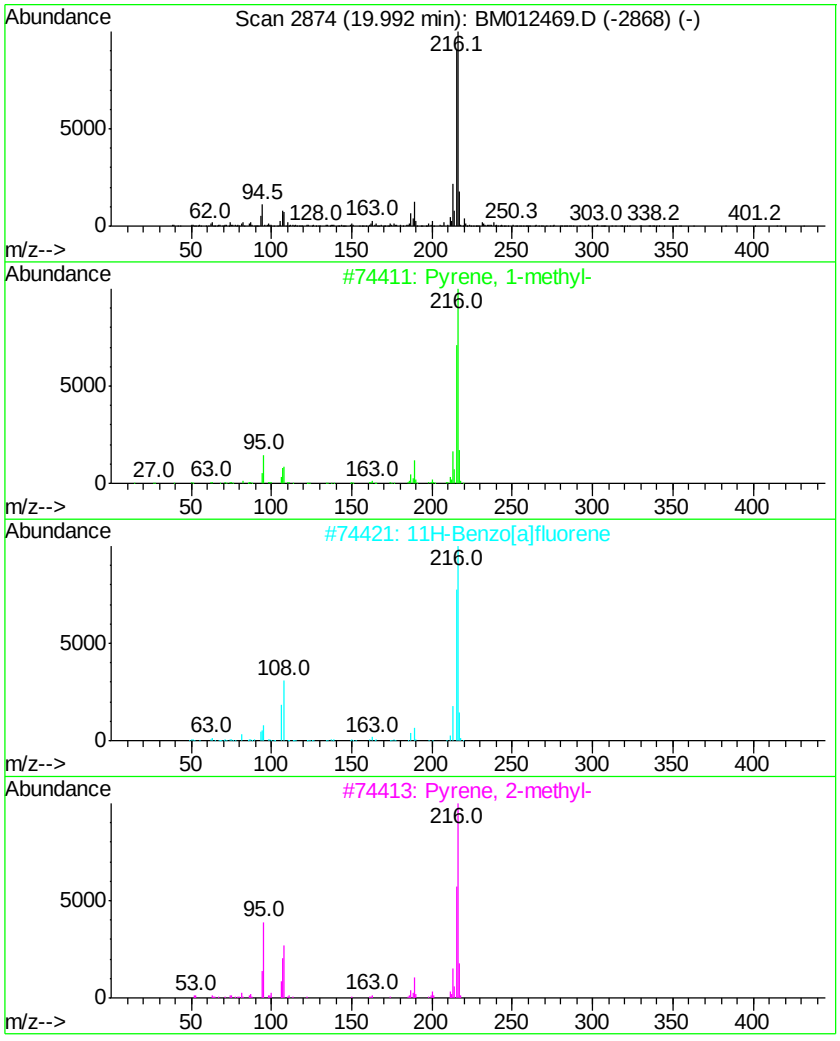
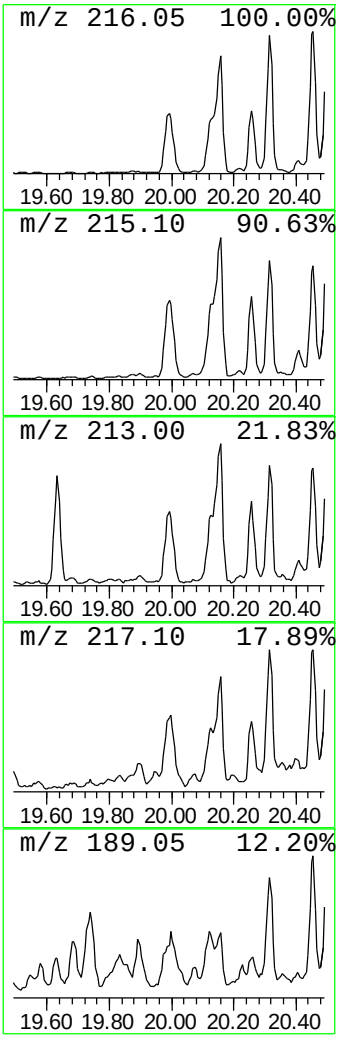
Peak Number 28 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	4.44 ng/ul	2101380	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





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Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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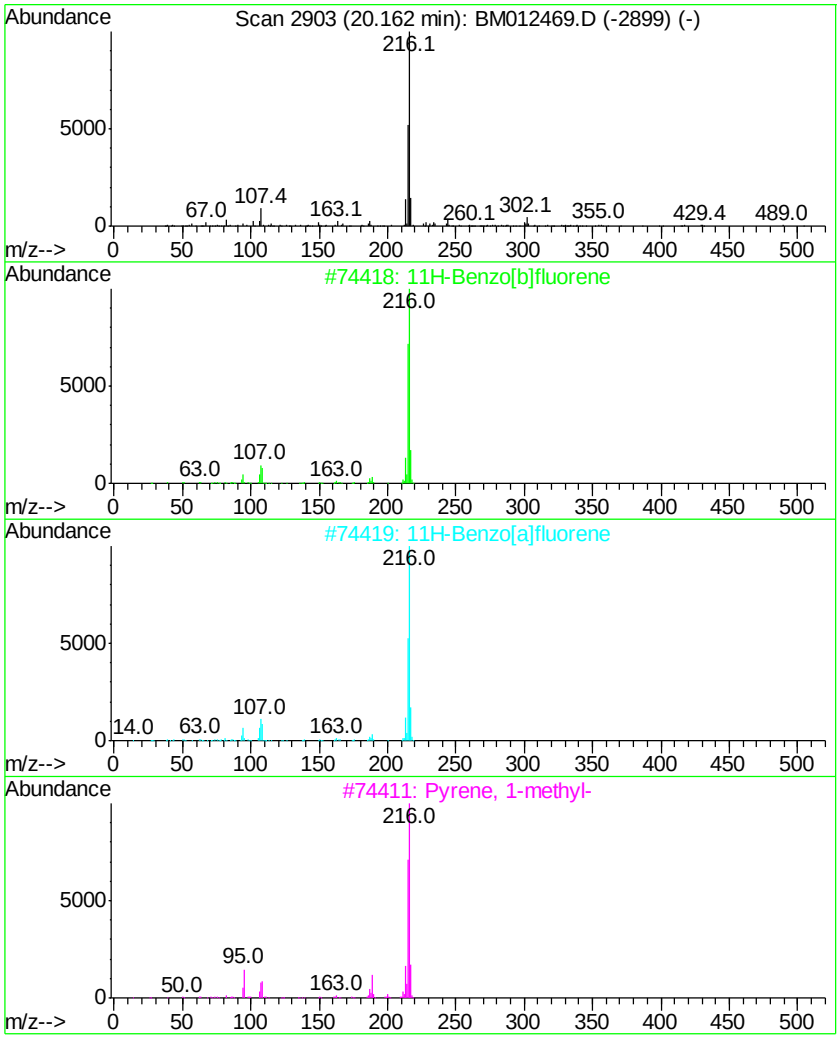
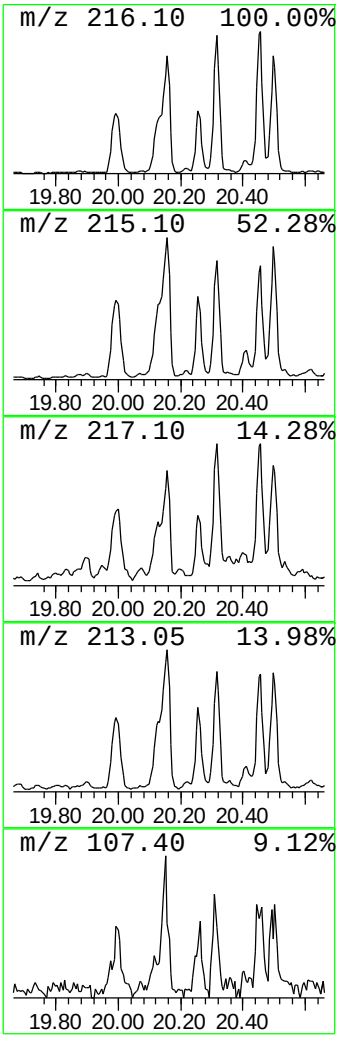
Peak Number 30 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	3.22 ng/ul	1523020	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





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Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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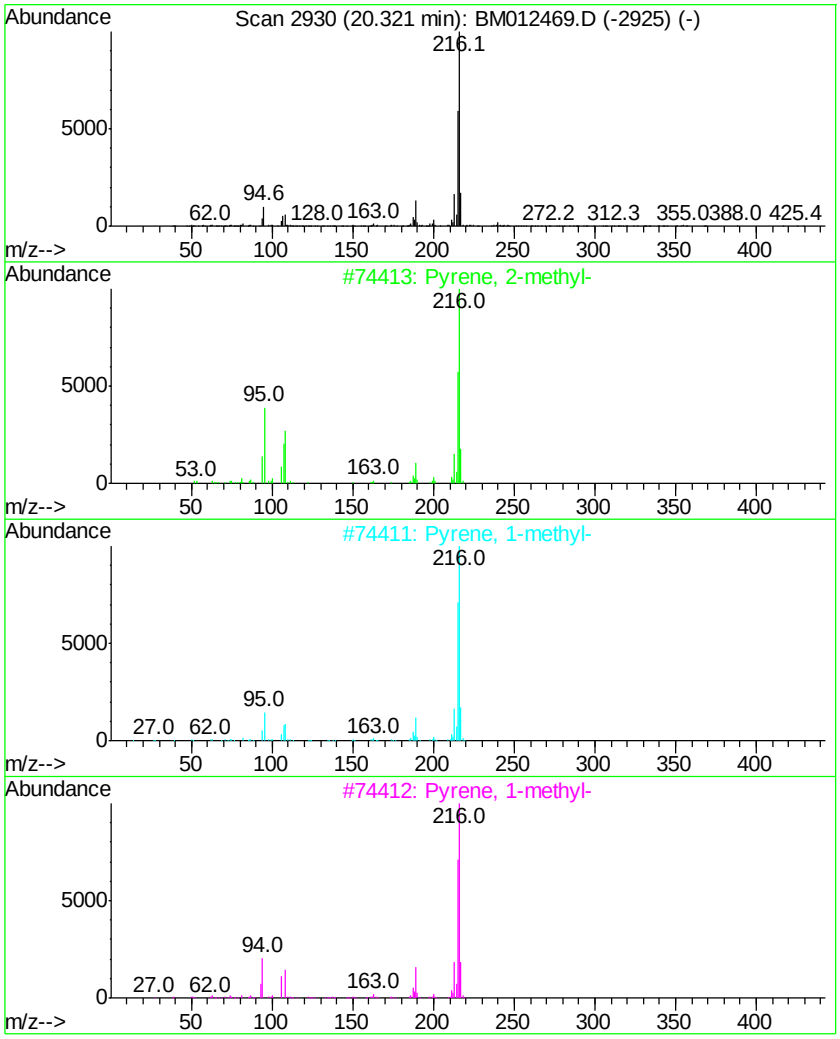
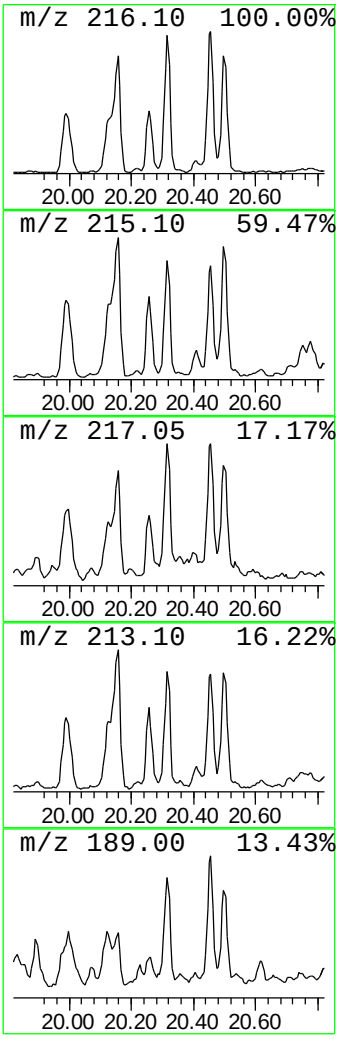
Peak Number 31 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	3.63 ng/ul	1715130	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94





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Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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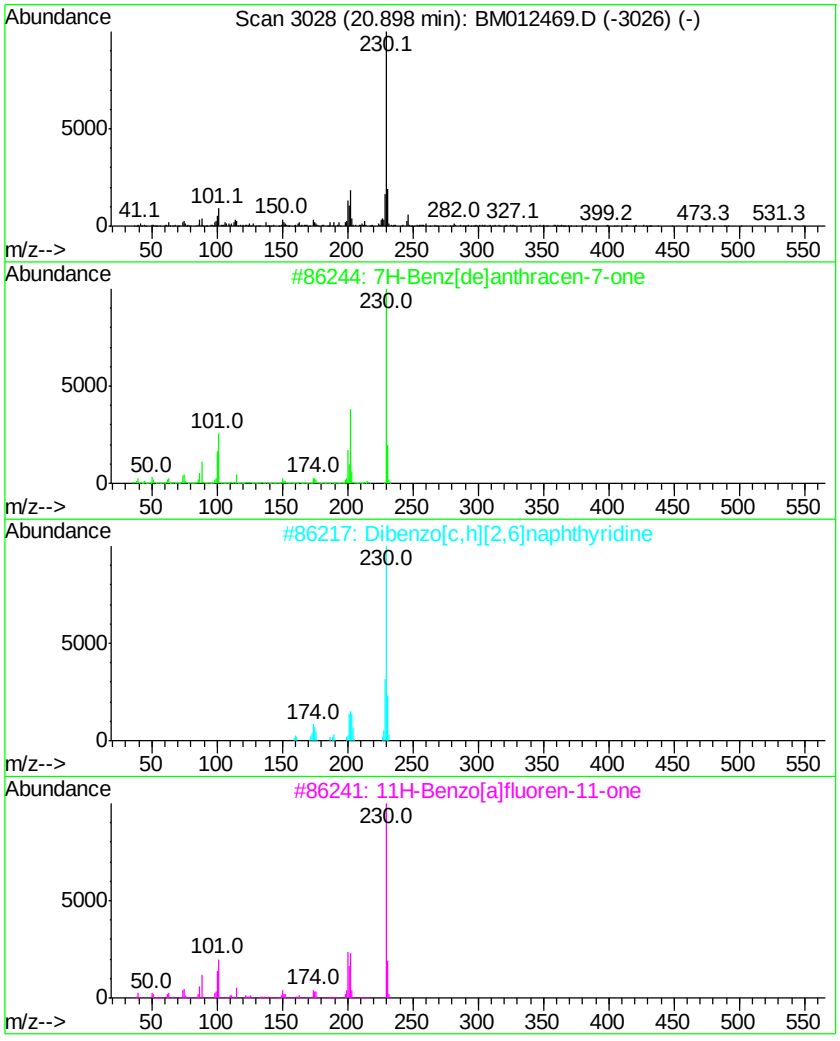
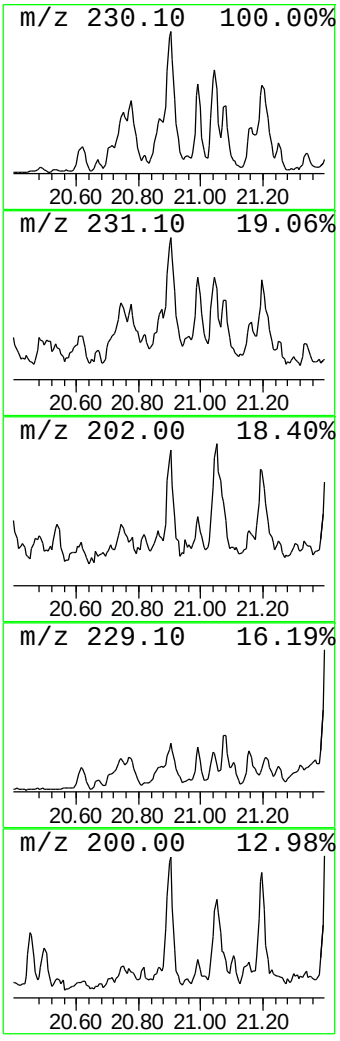
Peak Number 34 7H-Benz[de]anthracen-7-one Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.27 ng/ul	1075980	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
2	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	64
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	62
4	m-Terphenyl	230	C18H14	000092-06-8	62
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58





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Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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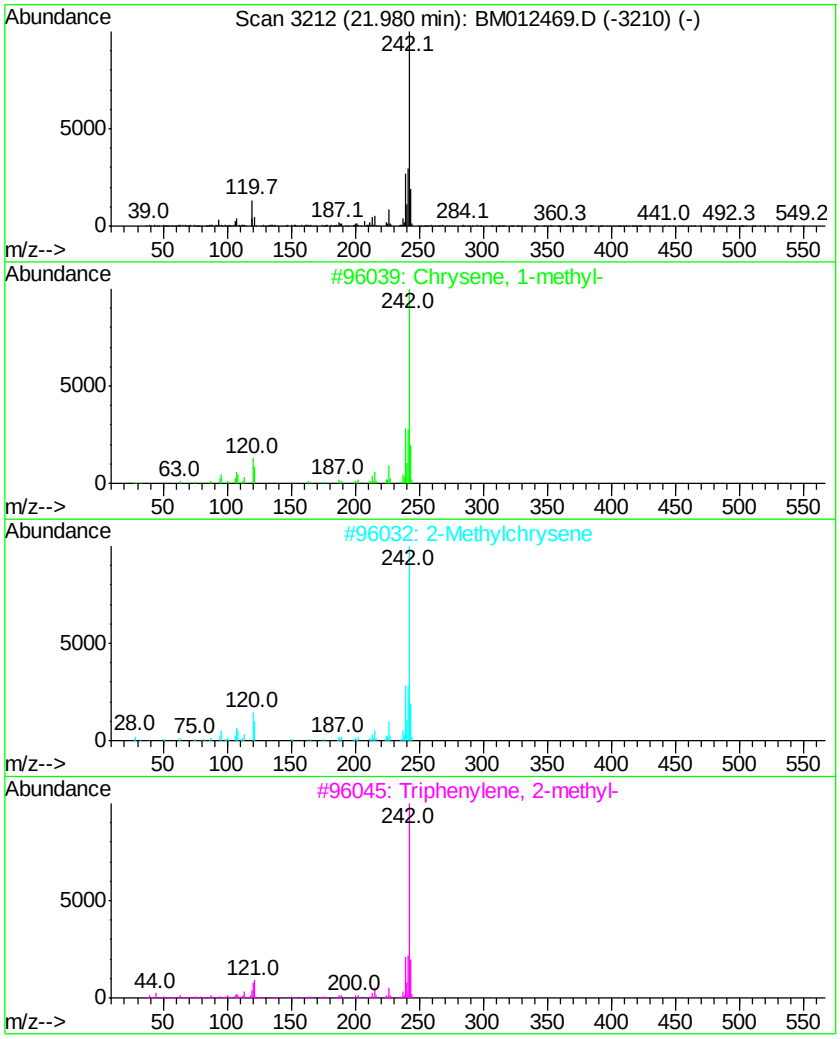
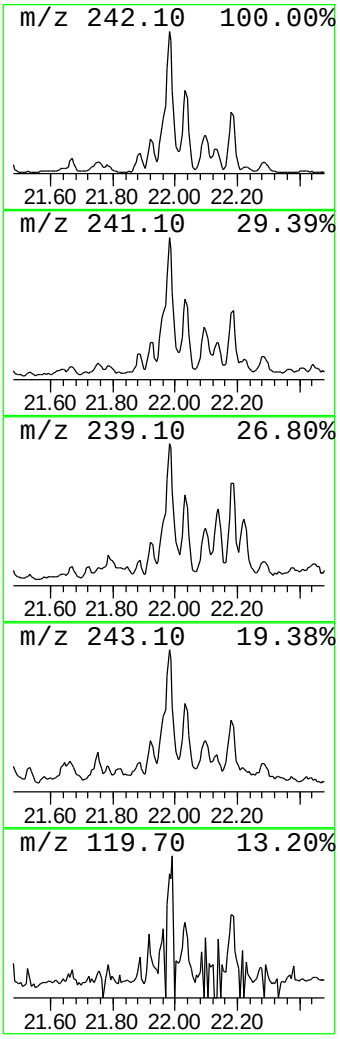
Peak Number 35 Chrysene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.98	2.67 ng/ul	1264930	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	2-Methylchrysene	242	C19H14	003351-32-4	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91





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Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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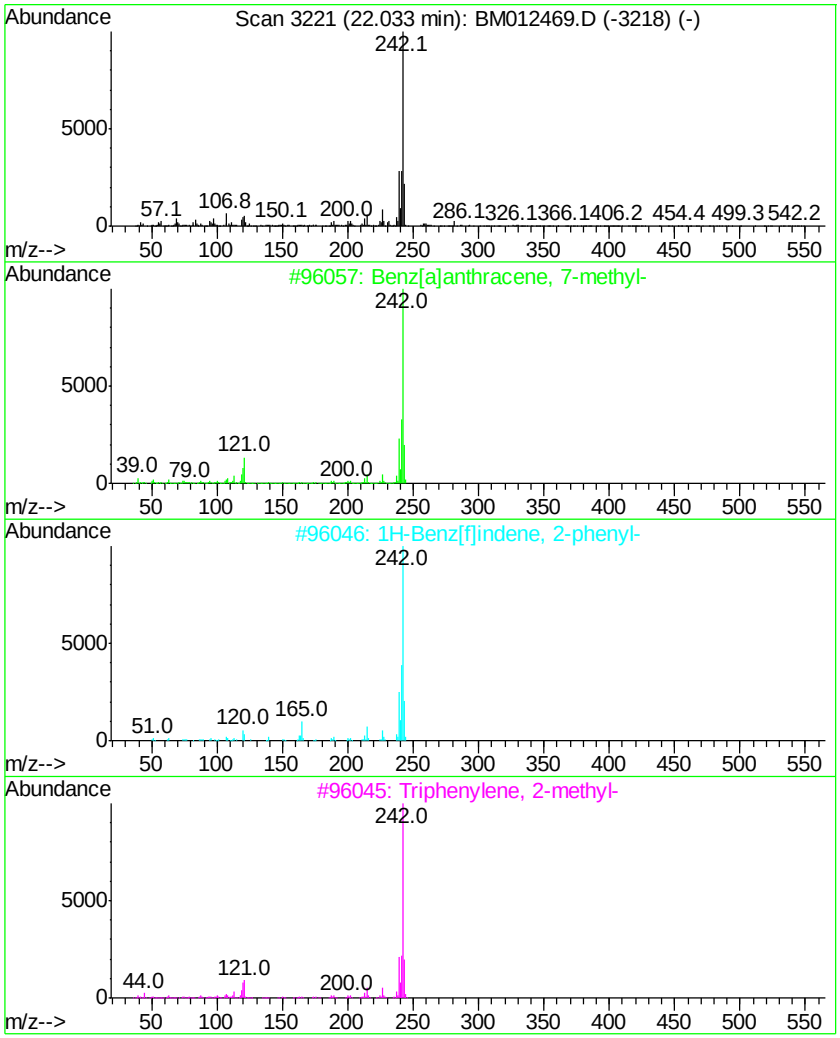
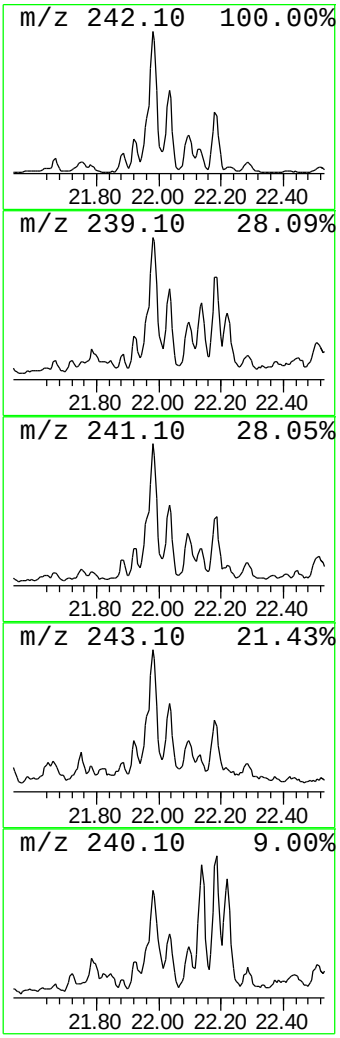
Peak Number 36 Benz[a]anthracene, 7-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.03	2.43 ng/ul	1150470	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	90
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89





Tentatively Identified Compound (LSC) summary

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Data File : BM012469.D
Acq On : 26 Oct 2017 12:23
Operator : SJ/JU
Sample : I5756-07DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B0CN1DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.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...	12.55	3.8	ng/ul	893316	2	10.67	4716710	20.0
Naphthalene, 1,6-...	13.83	4.9	ng/ul	1461450	3	14.51	5940690	20.0
Naphthalene, 1,7-...	14.06	2.3	ng/ul	693510	3	14.51	5940690	20.0
Naphthalene, 2,3,...	14.90	3.1	ng/ul	930463	3	14.51	5940690	20.0
Benzophenone	15.86	2.8	ng/ul	844131	3	14.51	5940690	20.0
Chamazulene	16.23	2.3	ng/ul	648029	4	17.25	5654710	20.0
9H-Fluorene, 1-me...	16.56	4.2	ng/ul	1182630	4	17.25	5654710	20.0
9H-Fluorene, 2-me...	16.60	2.4	ng/ul	675674	4	17.25	5654710	20.0
Naphtho[2,1-b]thi...	17.07	2.1	ng/ul	599789	4	17.25	5654710	20.0
9H-Fluorene, 2,3-...	17.44	2.5	ng/ul	710535	4	17.25	5654710	20.0
O,O,O-Triethyl th...	17.83	2.8	ng/ul	778090	4	17.25	5654710	20.0
Phenanthrene, 1-m...	18.12	8.8	ng/ul	2476170	4	17.25	5654710	20.0
1H-Cyclopropa[l]p...	18.25	3.5	ng/ul	998622	4	17.25	5654710	20.0
Phenanthrene, 4-m...	18.31	13.1	ng/ul	3715410	4	17.25	5654710	20.0
Naphthalene, 2-ph...	18.62	3.2	ng/ul	895577	4	17.25	5654710	20.0
Phenanthrene, 2,3...	18.87	2.8	ng/ul	785448	4	17.25	5654710	20.0
di-p-Tolylacetylene	19.04	9.8	ng/ul	2757000	4	17.25	5654710	20.0
Phenanthrene, 3,6...	19.10	7.3	ng/ul	2064020	4	17.25	5654710	20.0
9,10-Dimethylanth...	19.17	7.0	ng/ul	1974290	4	17.25	5654710	20.0
Phenanthrene, 2,3...	19.74	2.2	ng/ul	1054080	5	21.42	9461290	20.0
Pyrene, 1-methyl-	19.99	4.4	ng/ul	2101380	5	21.42	9461290	20.0
11H-Benzo[b]fluorene	20.16	3.2	ng/ul	1523020	5	21.42	9461290	20.0
Pyrene, 2-methyl-	20.32	3.6	ng/ul	1715130	5	21.42	9461290	20.0
7H-Benz[de]anthra...	20.90	2.3	ng/ul	1075980	5	21.42	9461290	20.0
Chrysene, 1-methyl-	21.98	2.7	ng/ul	1264930	5	21.42	9461290	20.0
Benz[a]anthracene...	22.03	2.4	ng/ul	1150470	5	21.42	9461290	20.0