LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014374.D
Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

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-BM021418.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	3.599	101	104	109	rBV	79049	103428	1.53%	0.112%
2	3.911	152	157	164	rVB3	40388	71206	1.06%	0.077%
3	4.687	284	289	290	rBV	97812	128938	1.91%	0.140%
4	6.728	628	636	650	rBV	724560	1403355	20.80%	1.525%
5	6.881	654	662	673	rBV	553873	891483	13.21%	0.969%
6	7.063	687	693	703	rBV	811066	1345530	19.94%	1.463%
7	7.528	766	772	783	rBV	668716	1094958	16.23%	1.190%
8	8.252	888	895	905	rBV	880445	1548896	22.95%	1.684%
9	8.687	962	969	983	rBV	824063	1431907	21.22%	1.557%
10	9.399	1084	1090	1105	rBV	729584	1281835	19.00%	1.393%
11	9.940	1174	1182	1198	rBV	943360	1827640	27.08%	1.987%
12	10.298	1234	1243	1248	rBV	985591	1674589	24.82%	1.820%
13	10.346	1248	1251	1258	rVB	190287	289567	4.29%	0.315%
14	10.457	1262	1270	1287	rBV	524434	1126565	16.69%	1.225%
15	11.975	1523	1528	1539	rVB	48280	81632	1.21%	0.089%
16	12.192	1557	1565	1577	rVB2	51298	105308	1.56%	0.114%
17	12.992	1697	1701	1709	rBV5	38797	76409	1.13%	0.083%
18	13.357	1755	1763	1770	rVB5	28616	69187	1.03%	0.075%
19	13.498	1780	1787	1792	rBV2	68062	131841	1.95%	0.143%
20	13.610	1799	1806	1810	rBV	1845566	2586335	38.33%	2.811%
21	13.651	1810	1813	1820	rVB	515998	720928	10.68%	0.784%
22	13.875	1841	1851	1862	rBV	2127683	3452067	51.16%	3.752%
23	14.086	1882	1887	1891	rBV2	111398	140513	2.08%	0.153%
24	14.186	1896	1904	1910	rVV2	1333497	2100898	31.13%	2.284%
25	14.245	1910	1914	1926	rVB	222333	348268	5.16%	0.379%
26	14.451	1942	1949	1962	rBV3	348496	904705	13.41%	0.983%
27	14.592	1968	1973	1977	rBV	160194	239474	3.55%	0.260%
28	14.669	1979	1986	1990	rVB7	39186	100143	1.48%	0.109%
29	14.992	2034	2041	2044	rBV9	33420	70536	1.05%	0.077%
30	15.045	2044	2050	2059	rVB3	149305	226832	3.36%	0.247%
31	15.186	2068	2074	2080	rBV	2470205	3491280	51.74%	3.795%
32	15.239	2080	2083	2089	rVB	217123	335714	4.98%	0.365%
33	15.345	2096	2101	2108	rBV4	210667	431968	6.40%	0.470%
34	15.539	2130	2134	2142	rVB3	103771	198043	2.93%	0.215%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
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Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

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-BM021418.M
Title : SVOA CALIBRATION

35	15.686	2151	2159	2166	rVB3	105044	243603	3.61%	0.265%
36	15.775	2166	2174	2181	rVB10	31193	83410	1.24%	0.091%
37	15.916	2193	2198	2206	rVB4	136850	268709	3.98%	0.292%
38	16.251	2245	2255	2260	rBV6	101166	259142	3.84%	0.282%
39	16.298	2260	2263	2268	rVB4	54955	89578	1.33%	0.097%
40	16.480	2291	2294	2297	rVV2	74000	95981	1.42%	0.104%
41	16.522	2297	2301	2304	rVB3	76771	100914	1.50%	0.110%
42	16.610	2311	2316	2321	rVB	193103	287366	4.26%	0.312%
43	16.680	2323	2328	2329	rVV	89089	119161	1.77%	0.130%
44	16.698	2329	2331	2336	rVV2	95780	155477	2.30%	0.169%
45	16.763	2338	2342	2350	rVB	192463	299983	4.45%	0.326%
46	16.945	2366	2373	2376	rBV	1584227	2171480	32.18%	2.360%
47	16.986	2376	2380	2385	rVV	3340221	4644700	68.83%	5.049%
48	17.045	2385	2390	2394	rVV	2563178	3711641	55.00%	4.035%
49	17.080	2394	2396	2401	rVB	729160	787874	11.68%	0.856%
50	17.145	2401	2407	2412	rBV2	86691	193411	2.87%	0.210%
51	17.363	2436	2444	2455	rBV2	288341	642304	9.52%	0.698%
52	17.463	2458	2461	2468	rVV5	102678	190826	2.83%	0.207%
53	17.533	2468	2473	2481	rVB4	93662	218200	3.23%	0.237%
54	17.822	2513	2522	2525	rBV	509951	799046	11.84%	0.869%
55	17.863	2525	2529	2538	rVV2	908821	1815976	26.91%	1.974%
56	17.951	2540	2544	2548	rVV	273774	410851	6.09%	0.447%
57	18.016	2549	2555	2559	rVV3	700685	1306902	19.37%	1.421%
58	18.051	2559	2561	2568	rVB	405843	503608	7.46%	0.547%
59	18.139	2572	2576	2581	rVV6	114735	175727	2.60%	0.191%
60	18.180	2581	2583	2586	rVV4	62394	77410	1.15%	0.084%
61	18.221	2586	2590	2596	rVV5	166138	231807	3.44%	0.252%
62	18.327	2604	2608	2613	rVB	305780	408010	6.05%	0.444%
63	18.380	2613	2617	2621	rBV	286305	437825	6.49%	0.476%
64	18.574	2646	2650	2655	rVB3	113284	182487	2.70%	0.198%
65	18.627	2656	2659	2662	rVV2	114630	138401	2.05%	0.150%
66	18.669	2662	2666	2670	rVB	117176	145211	2.15%	0.158%
67	18.751	2675	2680	2683	rBV	288534	469310	6.95%	0.510%
68	18.898	2700	2705	2712	rBV2	271829	504338	7.47%	0.548%
69	19.016	2720	2725	2732	rVB	4982578	6747938	100.00%	7.335%
70	19.116	2740	2742	2744	rBV2	103597	105992	1.57%	0.115%
71	19.357	2777	2783	2785	rBV2	2920825	4444177	65.86%	4.831%

LSC Area Percent Report

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Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

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-BM021418.M
Title : SVOA CALIBRATION

72	19.386	2785	2788	2796	rVV	4257197	5341640	79.16%	5.807%
73	19.457	2796	2800	2809	rVV3	238449	389327	5.77%	0.423%
74	19.563	2815	2818	2824	rVB	247993	339656	5.03%	0.369%
75	19.633	2827	2830	2836	rVB2	182763	256020	3.79%	0.278%
76	19.710	2838	2843	2850	rBV2	292065	645799	9.57%	0.702%
77	19.845	2863	2866	2869	rBV4	203954	355924	5.27%	0.387%
78	19.880	2870	2872	2880	rVB	530797	729534	10.81%	0.793%
79	19.986	2886	2890	2893	rBV	327292	386645	5.73%	0.420%
80	20.045	2894	2900	2904	rVV2	366405	645452	9.57%	0.702%
81	20.227	2928	2931	2936	rVB2	211201	302614	4.48%	0.329%
82	20.639	2998	3001	3006	rBV	414613	504022	7.47%	0.548%
83	20.798	3025	3028	3032	rBV2	324637	443590	6.57%	0.482%
84	20.839	3032	3035	3038	rVV	384325	451776	6.70%	0.491%
85	20.874	3038	3041	3048	rVV3	1014910	1486478	22.03%	1.616%
86	20.939	3049	3052	3058	rVB	450531	564811	8.37%	0.614%
87	21.145	3082	3087	3092	rBV2	2397425	4635639	68.70%	5.039%
88	21.192	3092	3095	3105	rVB	1833978	2422656	35.90%	2.633%
89	22.692	3345	3350	3354	rBV	1192138	2418943	35.85%	2.629%
90	23.151	3424	3428	3432	rBV	658949	1033290	15.31%	1.123%
91	23.198	3432	3436	3440	rVV2	1208300	2019126	29.92%	2.195%
92	23.245	3440	3444	3452	rVB	1202438	2095664	31.06%	2.278%
93	23.333	3455	3459	3464	rBV2	684594	1024751	15.19%	1.114%

Sum of corrected areas: 91994111

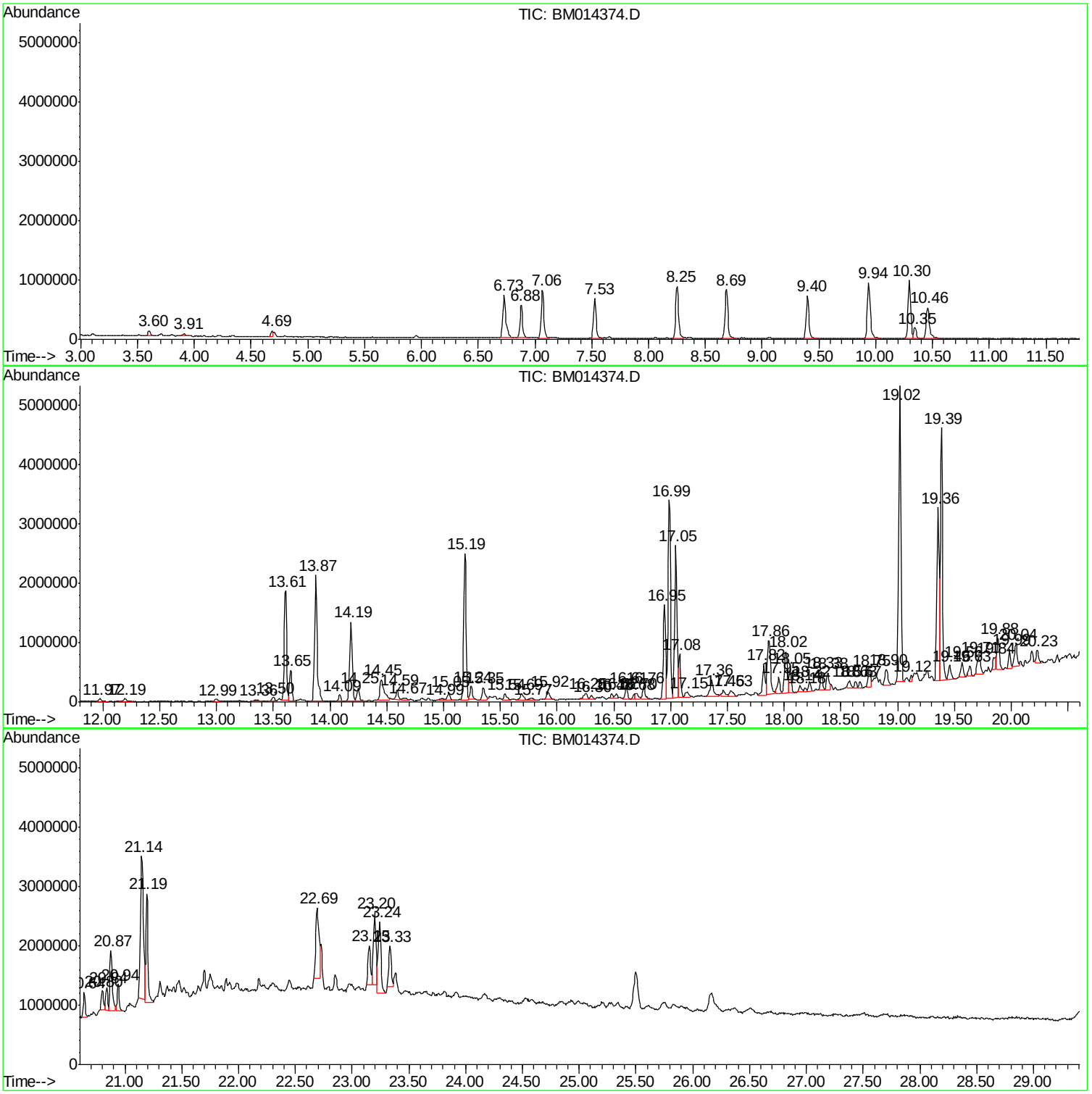
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014374.D
Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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\BM022618\
Data File : BM014374.D
Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
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Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

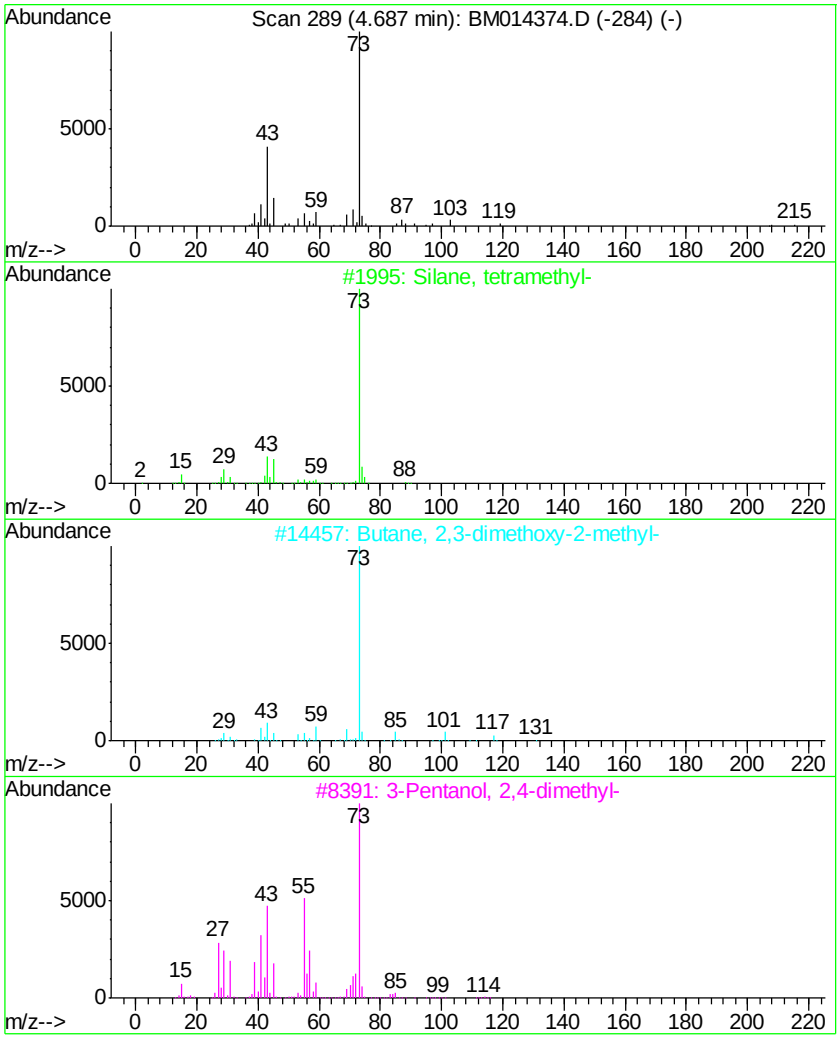
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

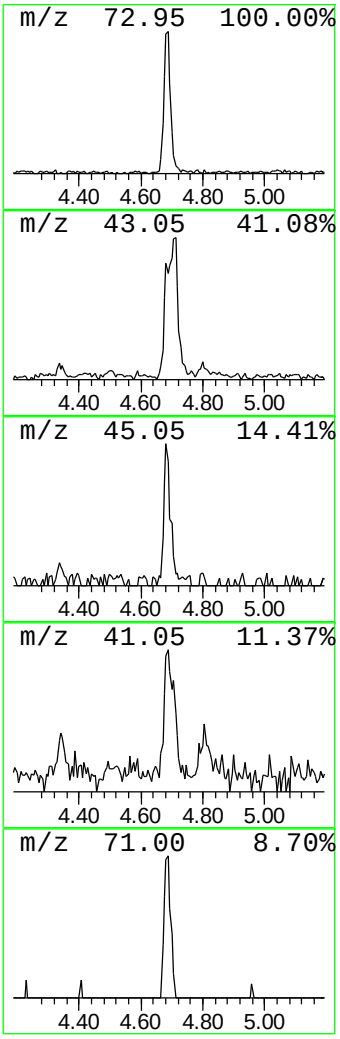
****

Peak Number 1 Silane, tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.69	2.36 ng/ul	128938	1,4-Dichlorobenzene-d4	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	50
2	Butane, 2,3-dimethoxy-2-methyl-	132	C7H16O2	074421-00-4	37
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	33
4	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	33
5	3,4-Dimethyl-5-hexen-3-ol	128	C8H16O	001569-45-5	25





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
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Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

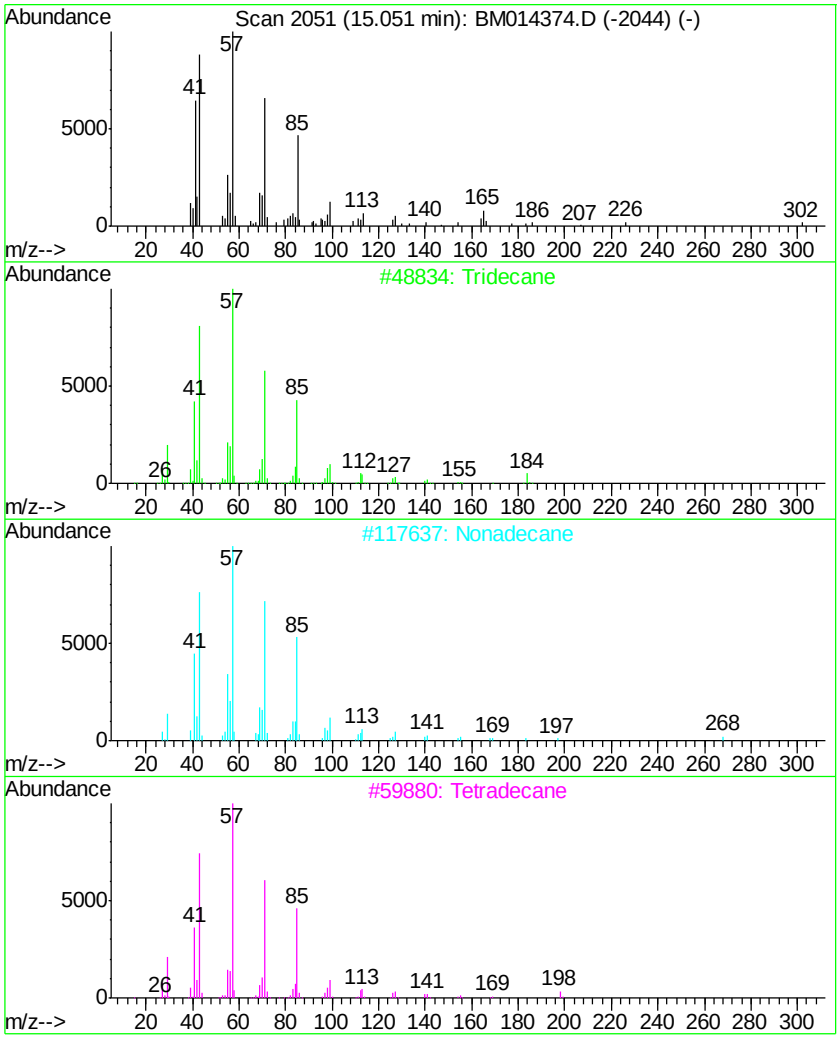
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

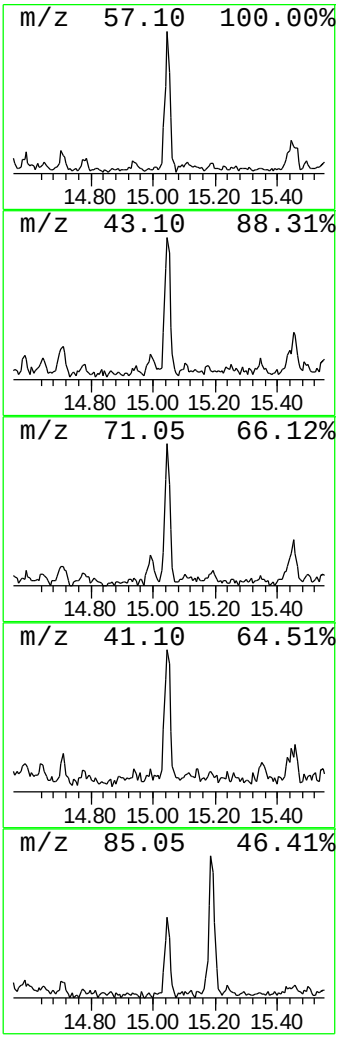
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	2.16 ng/ul	226832	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Nonadecane	268	C19H40	000629-92-5	86
3	Tetradecane	198	C14H30	000629-59-4	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Pentadecane	212	C15H32	000629-62-9	86





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014374.D
Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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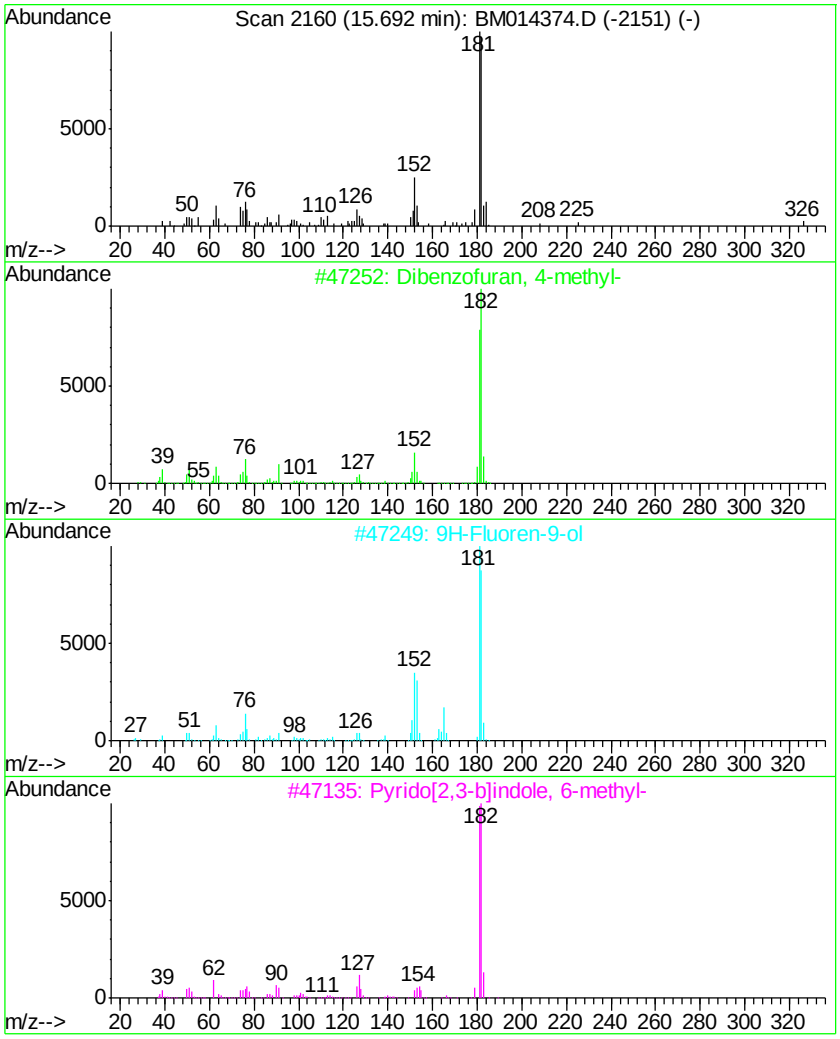
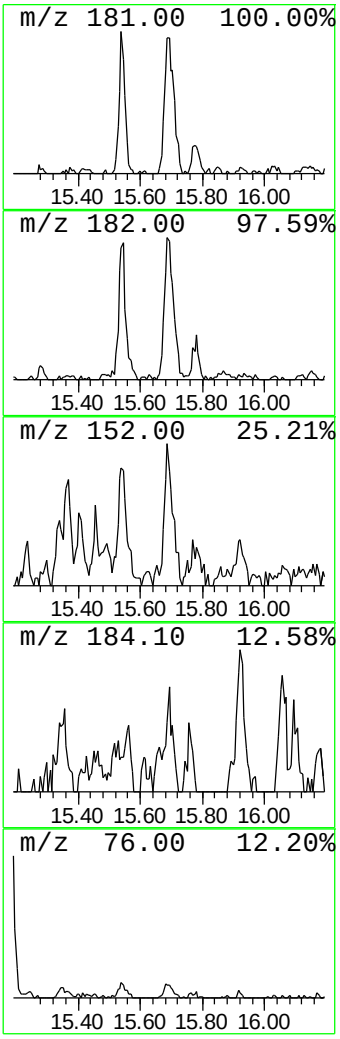
Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	2.24 ng/ul	243603	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
3	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





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Misc :
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Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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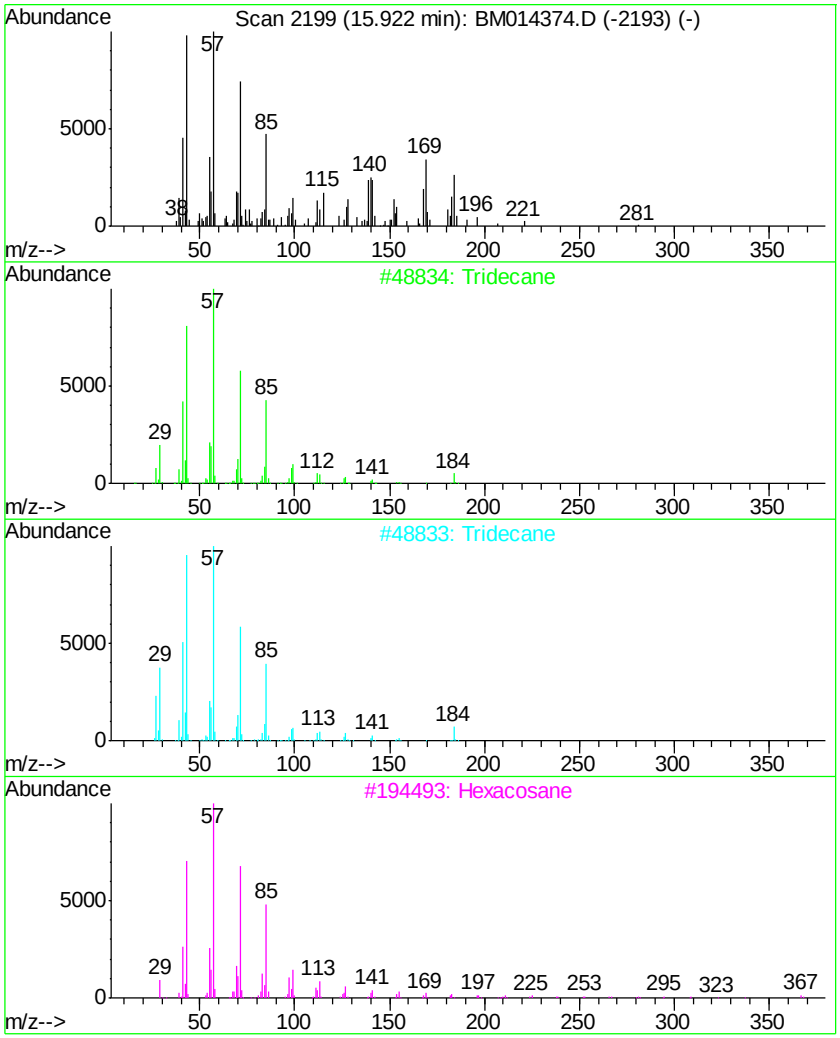
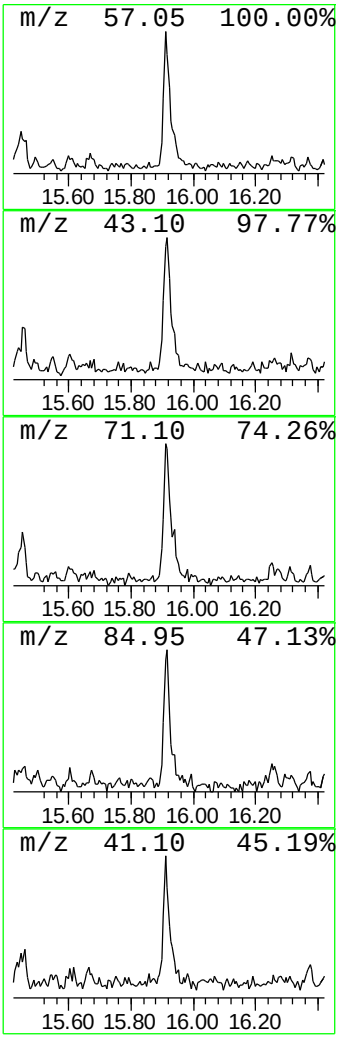
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	2.47 ng/ul	268709	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	89
2	Tridecane	184	C13H28	000629-50-5	76
3	Hexacosane	366	C26H54	000630-01-3	70
4	Tetradecane	198	C14H30	000629-59-4	62
5	Nonadecane	268	C19H40	000629-92-5	62





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Data File : BM014374.D
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Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

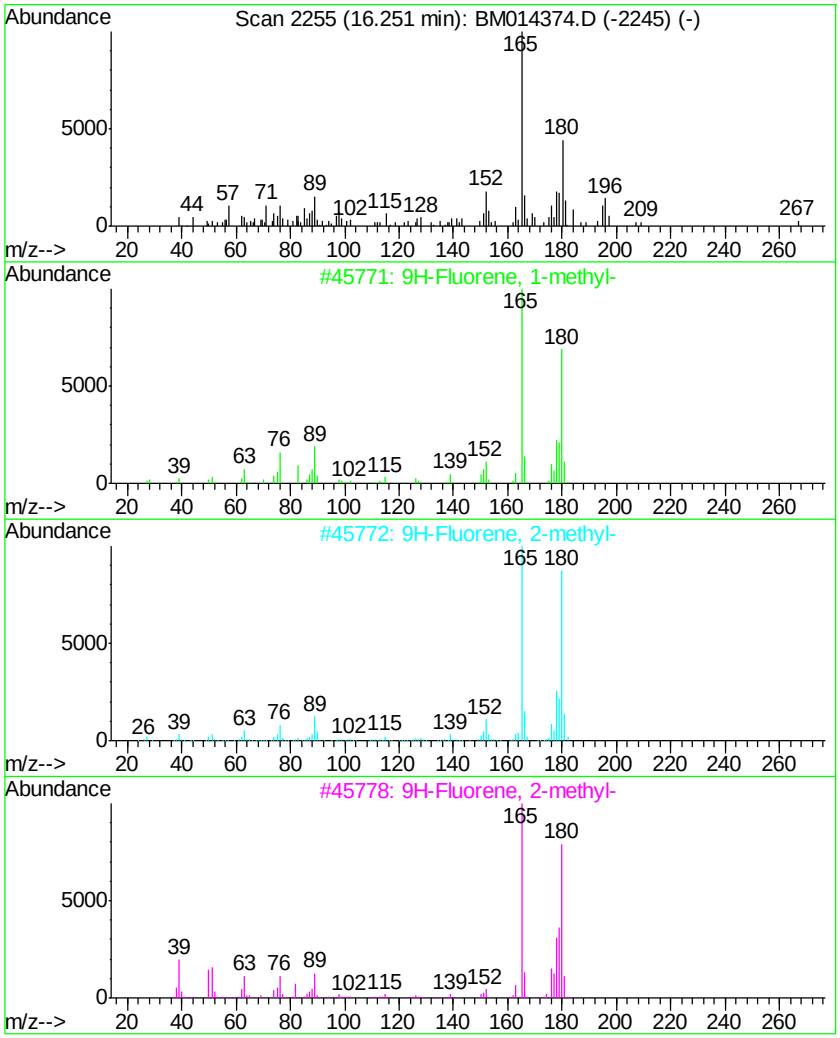
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

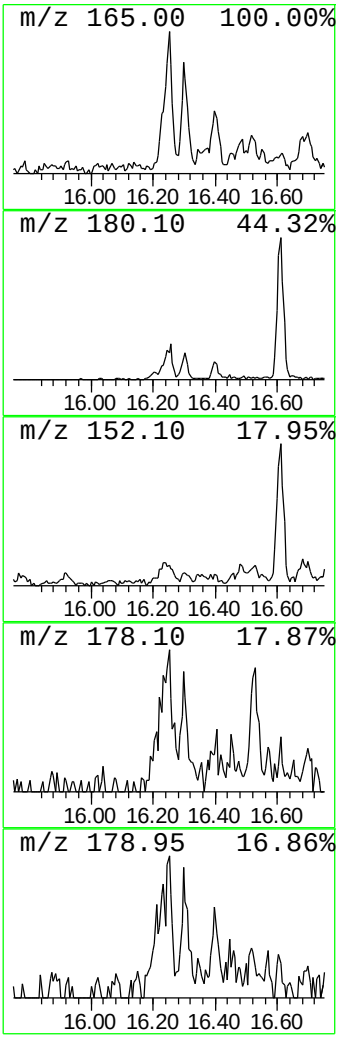
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	2.39 ng/ul	259142	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	62





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Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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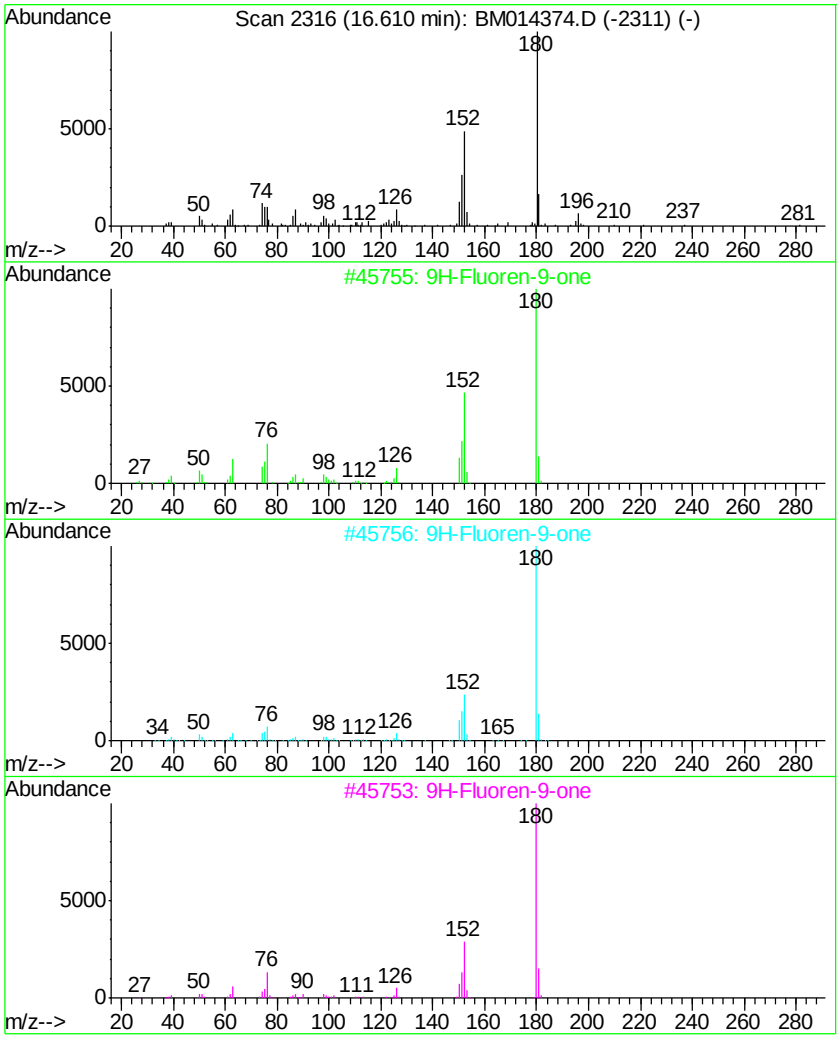
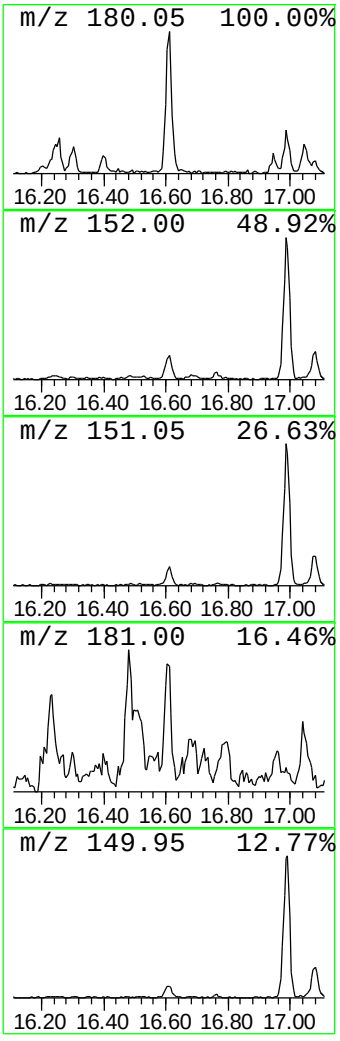
Peak Number 6 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	2.65 ng/ul	287366	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





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Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

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Quant Title : SVOA CALIBRATION

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

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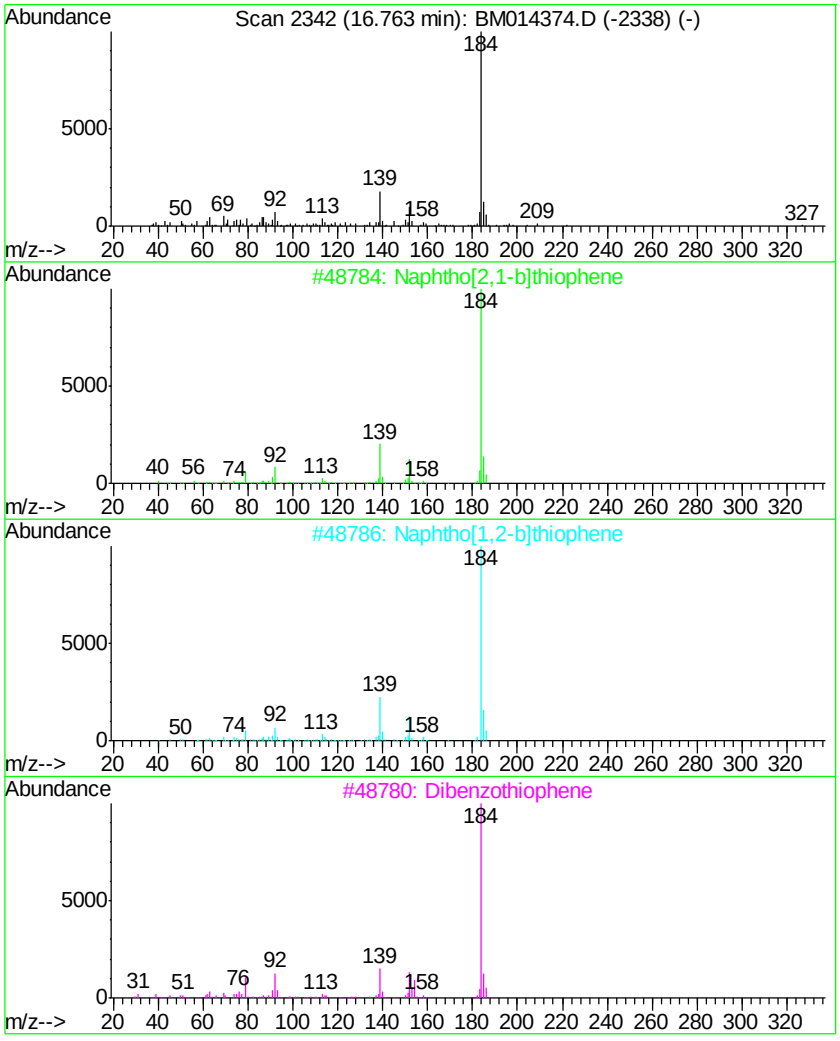
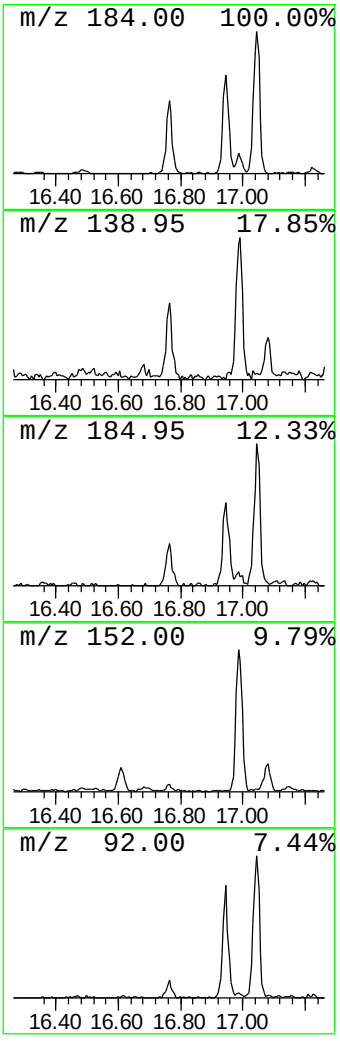
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	2.76 ng/ul	299983	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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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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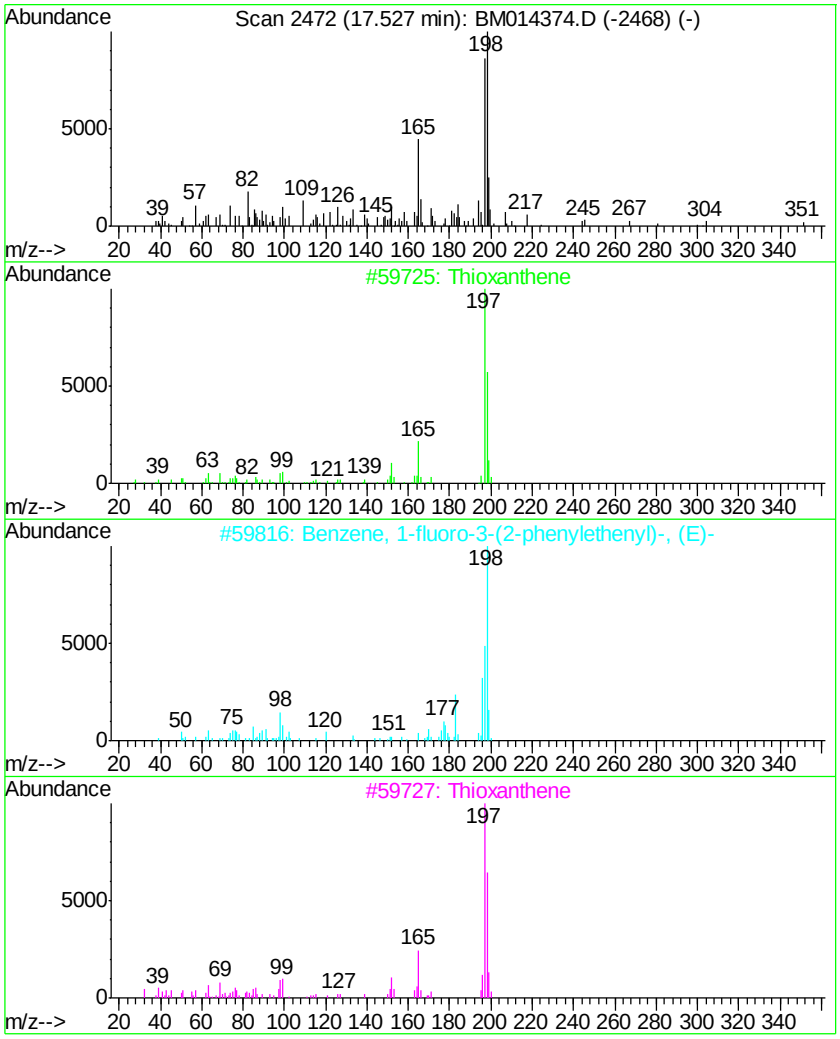
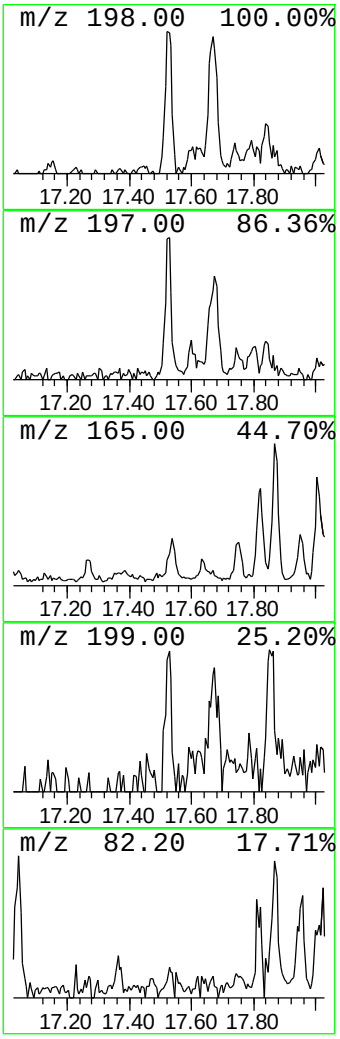
Peak Number 8 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	2.01 ng/ul	218200	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thioxanthene	198	C13H10S	000261-31-4	46
2	Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	46
3	Thioxanthene	198	C13H10S	000261-31-4	46
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	43
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	43





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Quant Title : SVOA CALIBRATION

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

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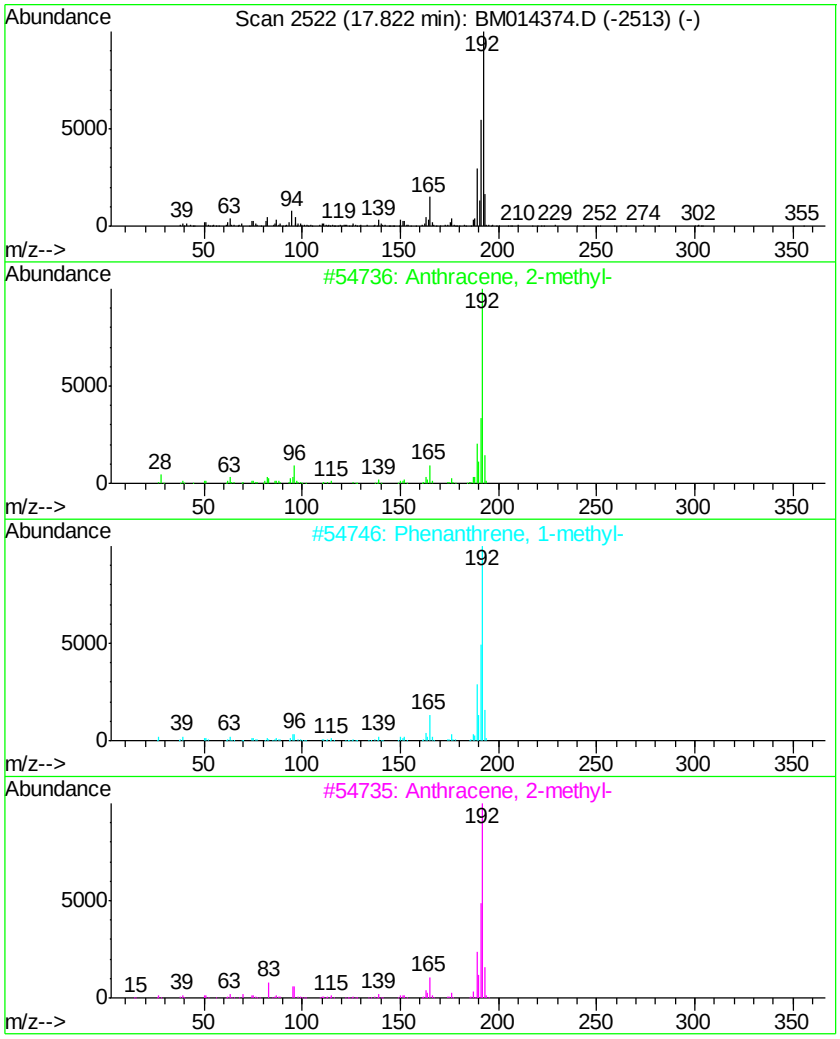
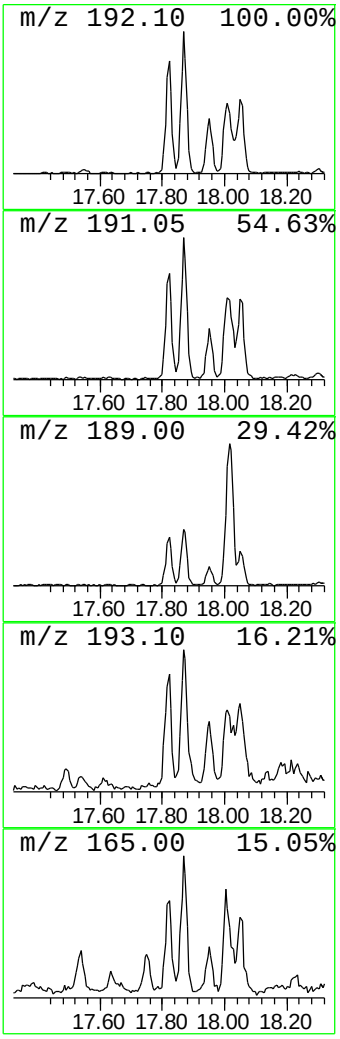
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	7.36 ng/ul	799046	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

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Quant Title : SVOA CALIBRATION

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

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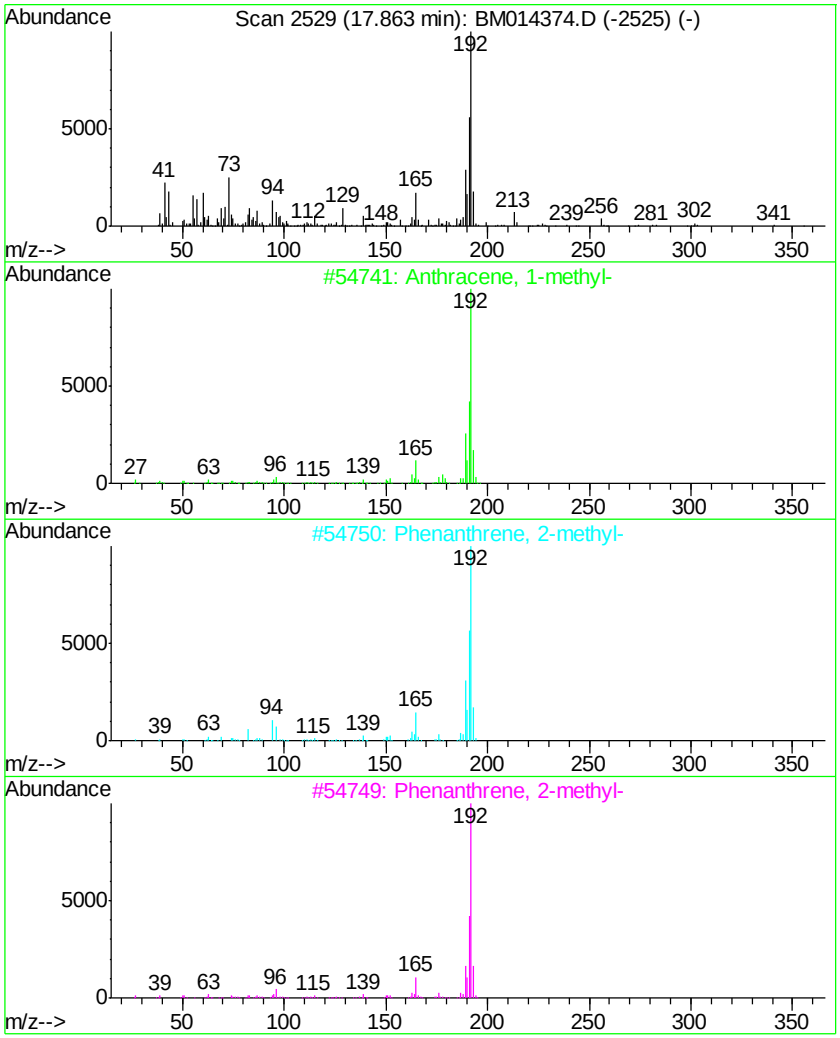
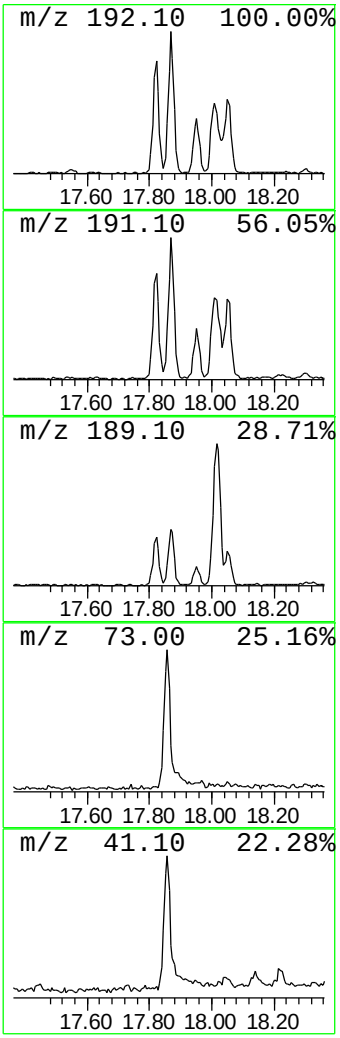
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	16.73 ng/ul	1815980	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86





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Sample : J1646-13
Misc :
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Instrument : BNA_M
ClientSampleId : BE5X7

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Quant Title : SVOA CALIBRATION

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

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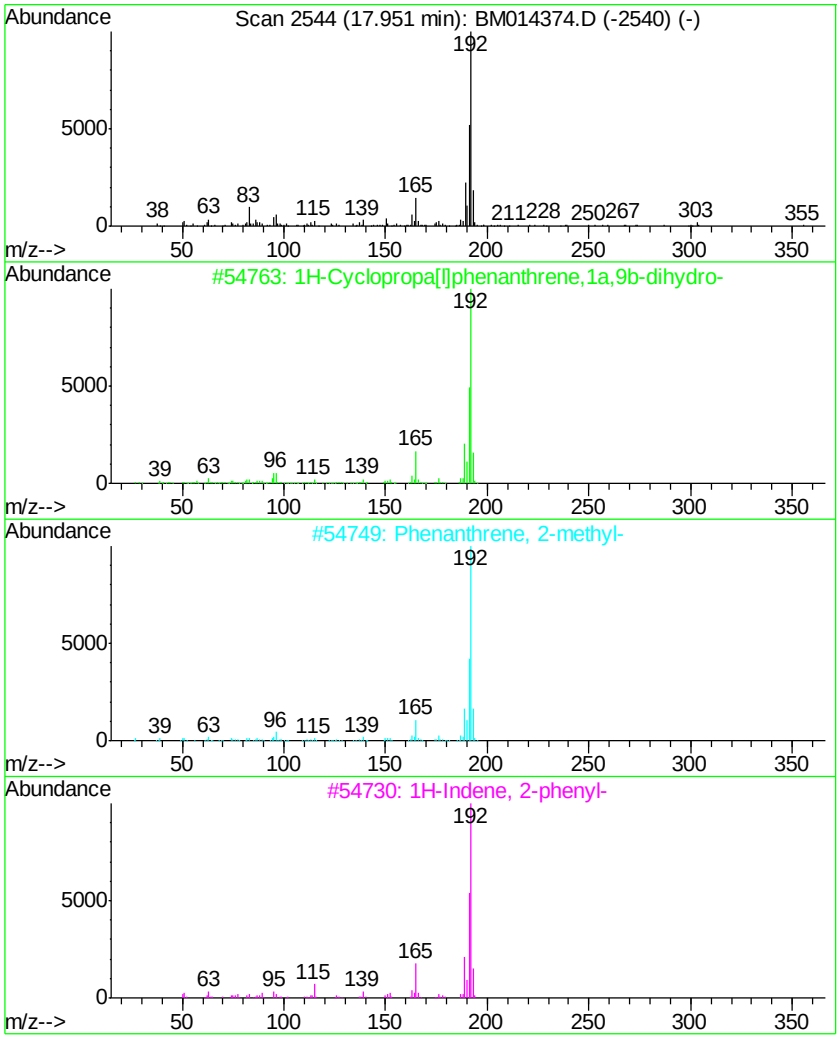
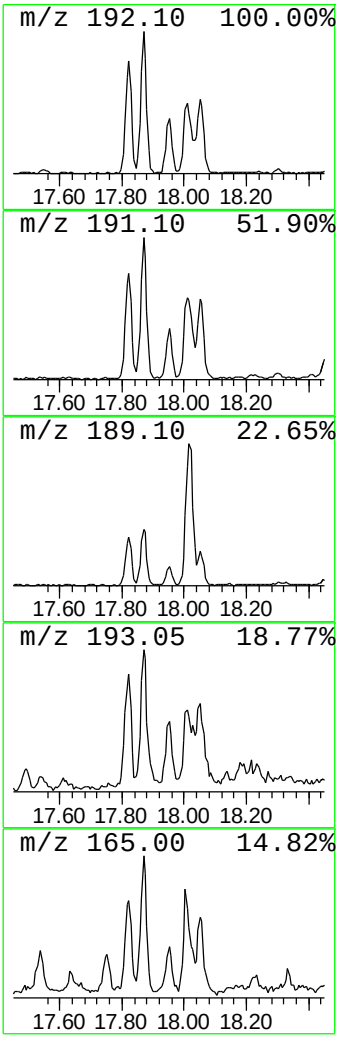
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	3.78 ng/ul	410851	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

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Quant Title : SVOA CALIBRATION

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

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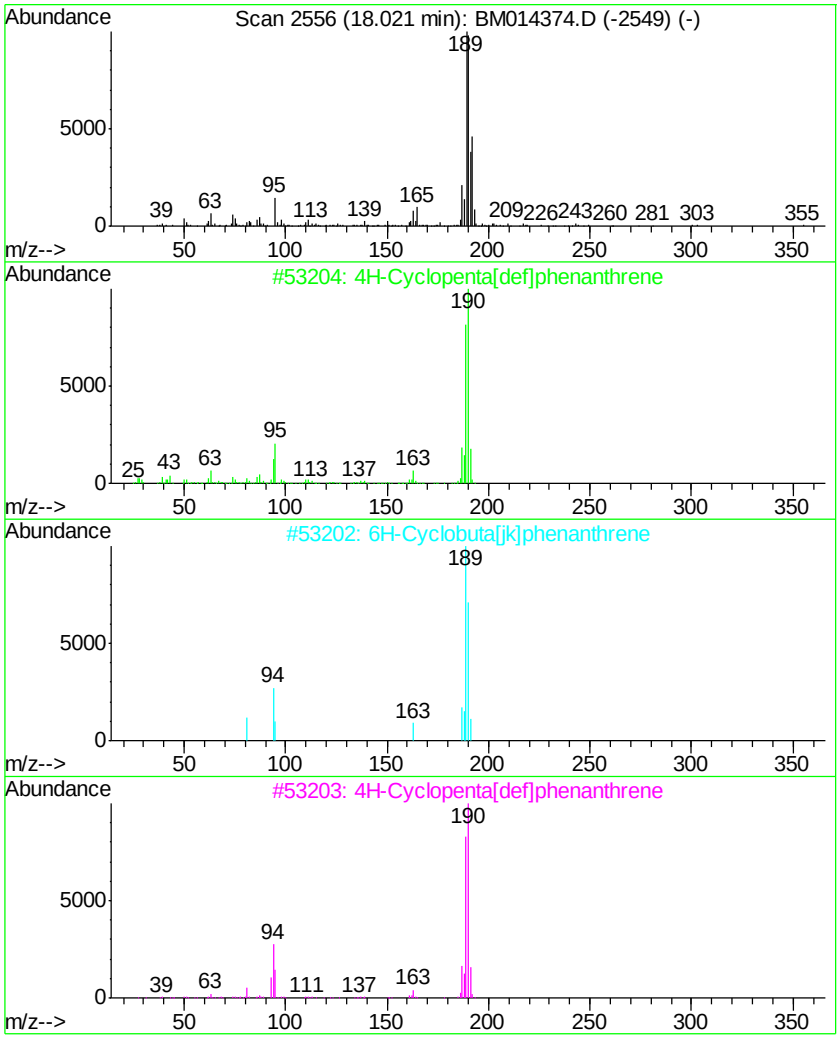
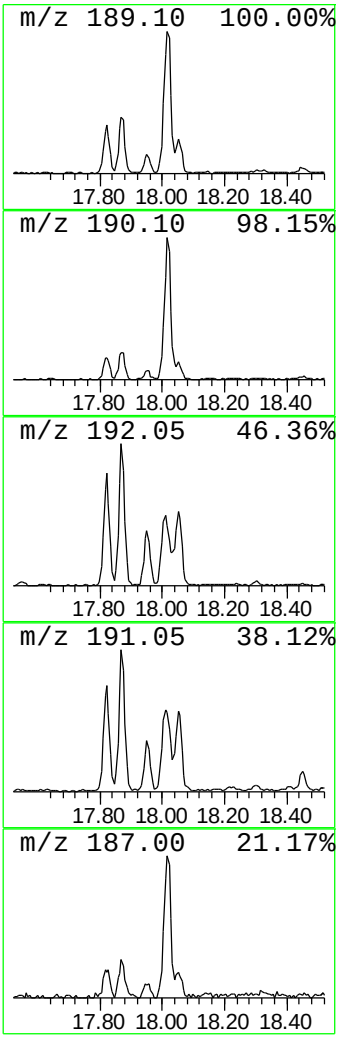
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	12.04 ng/ul	1306900	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47





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Operator : SJ/JU
Sample : J1646-13
Misc :
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Instrument : BNA_M
ClientSampleId : BE5X7

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Quant Title : SVOA CALIBRATION

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

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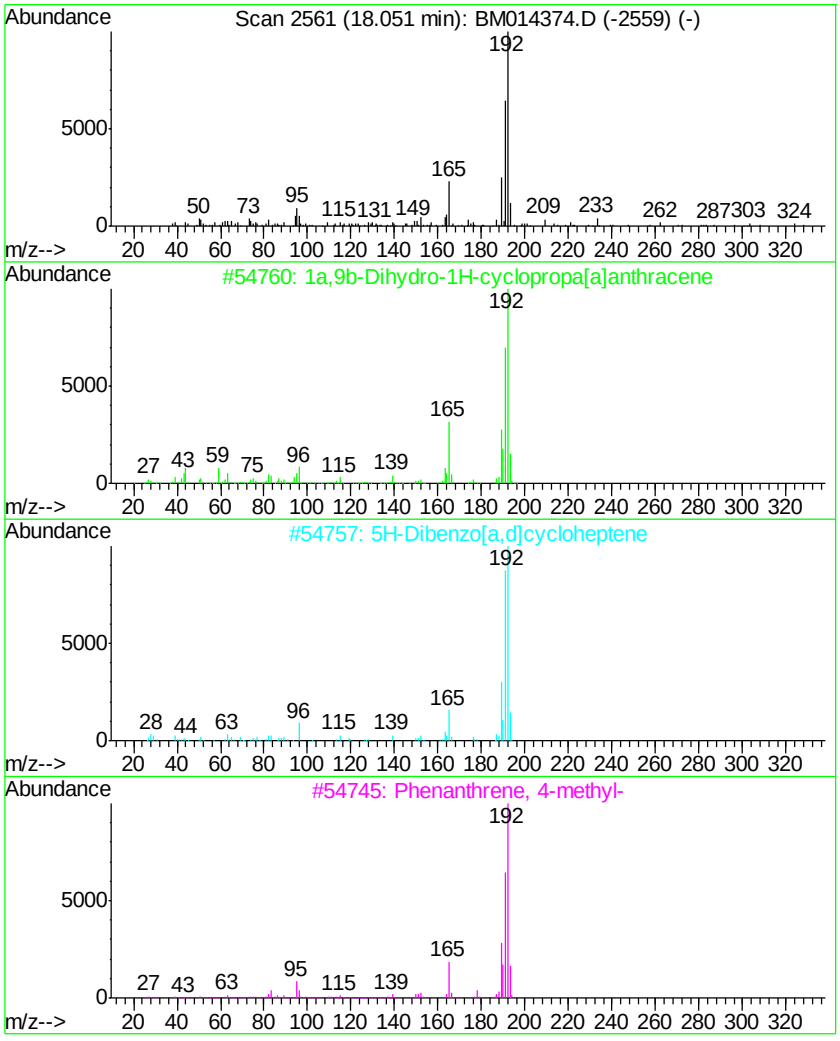
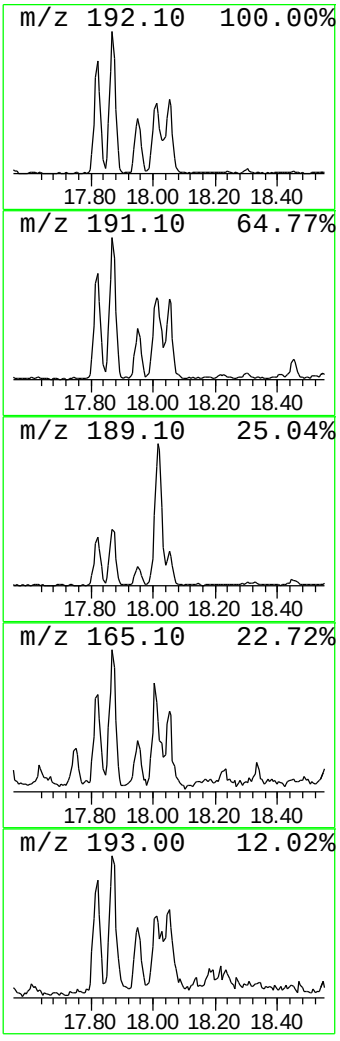
Peak Number 13 1a,9b-Dihydro-1H-cyclopropa... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	4.64 ng/ul	503608	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	81
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	76
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	68





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Sample : J1646-13
Misc :
ALS Vial : 25 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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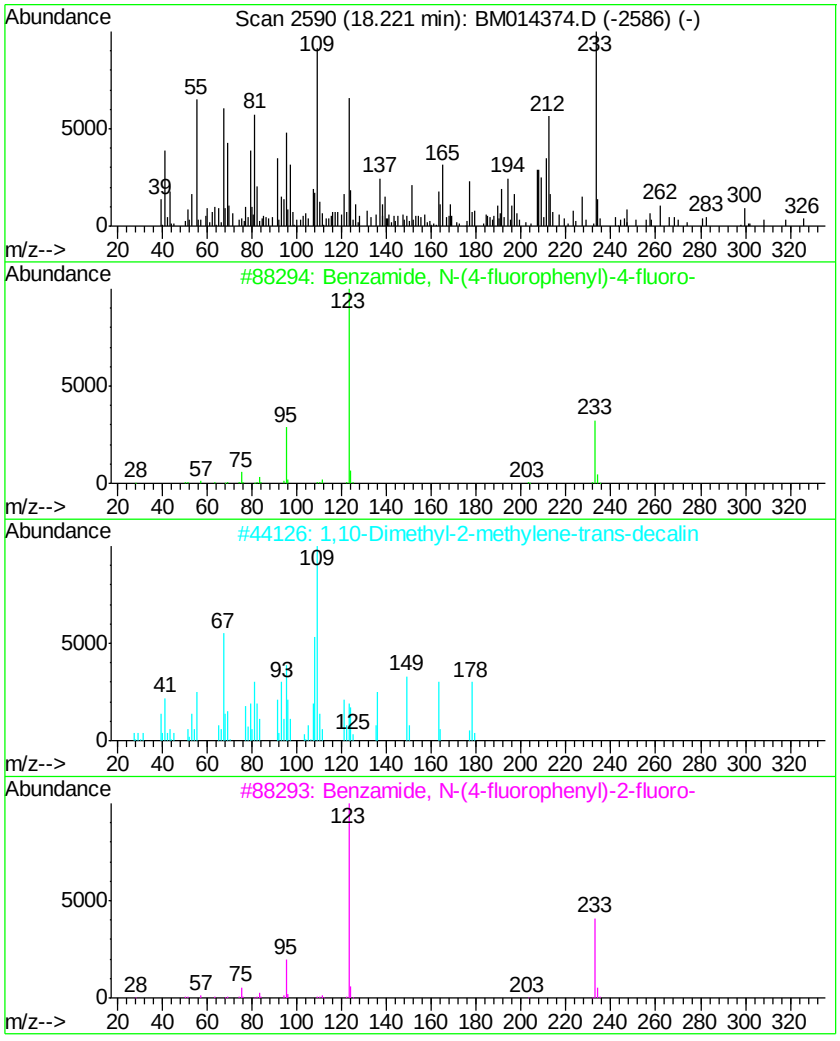
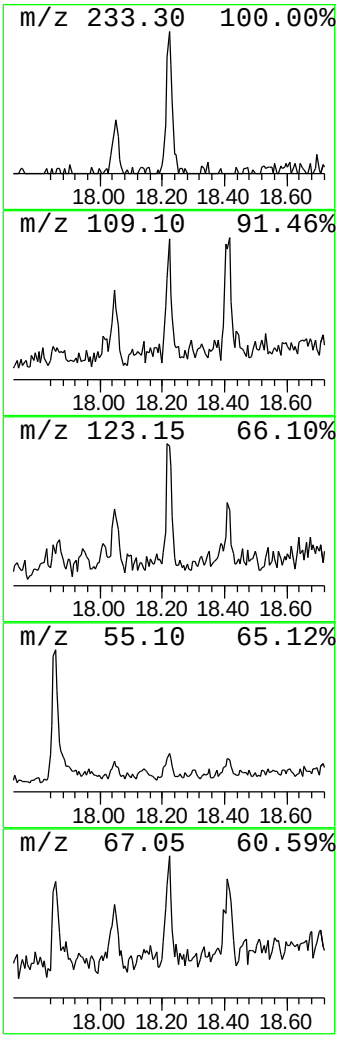
Peak Number 14 unknown-02 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	2.14 ng/ul	231807	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-(4-fluorophenyl)-4-...	233	C13H9F2NO	1000307-10-1	35
2	1,10-Dimethyl-2-methylene-trans-...	178	C13H22	1000103-97-8	30
3	Benzamide, N-(4-fluorophenyl)-2-...	233	C13H9F2NO	1000307-07-9	25
4	2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	18
5	Naphthalene, decahydro-1,4a-dime...	208	C15H28	030824-81-8	18





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Quant Title : SVOA CALIBRATION

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

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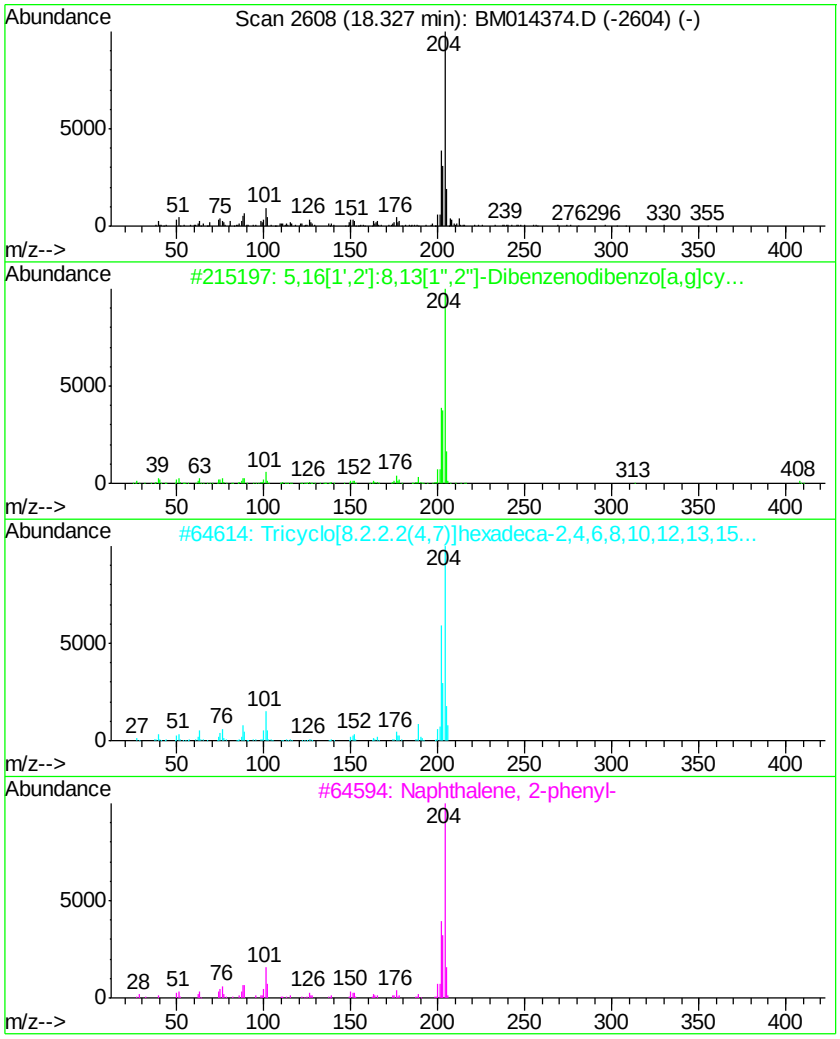
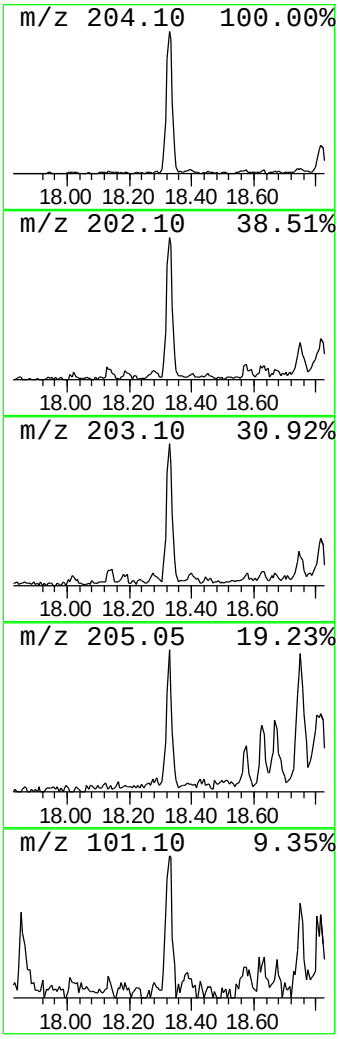
Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	3.76 ng/ul	408010	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Quant Title : SVOA CALIBRATION

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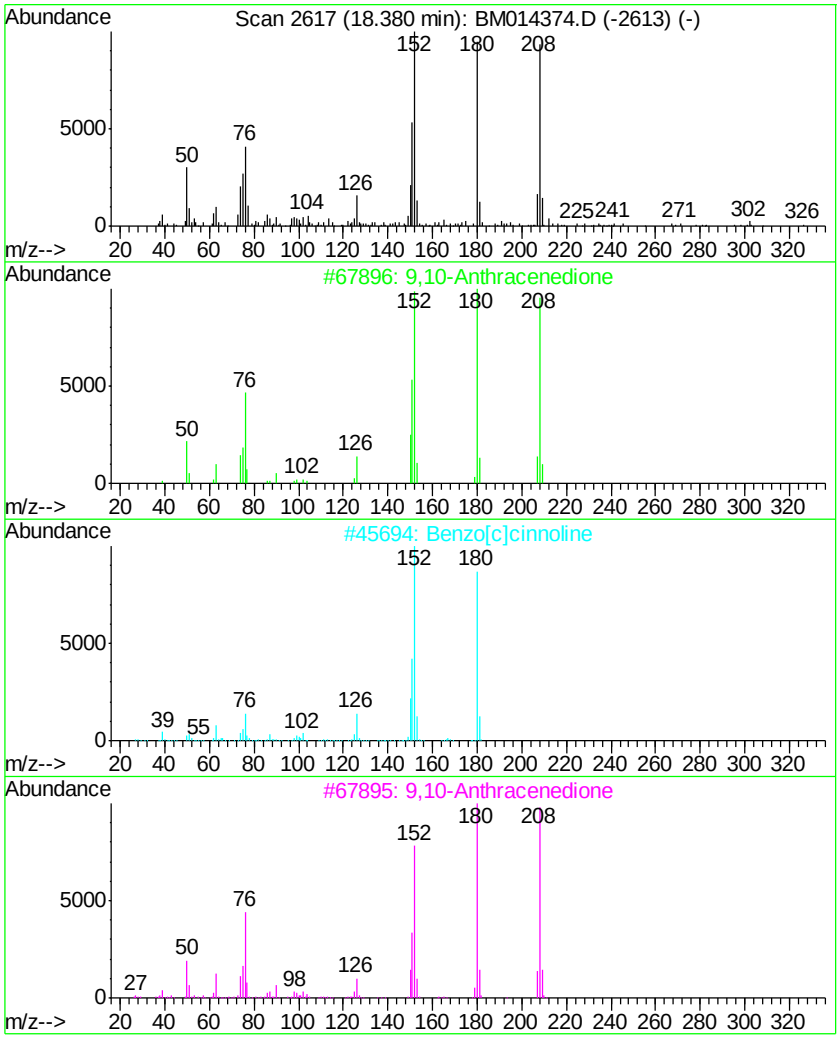
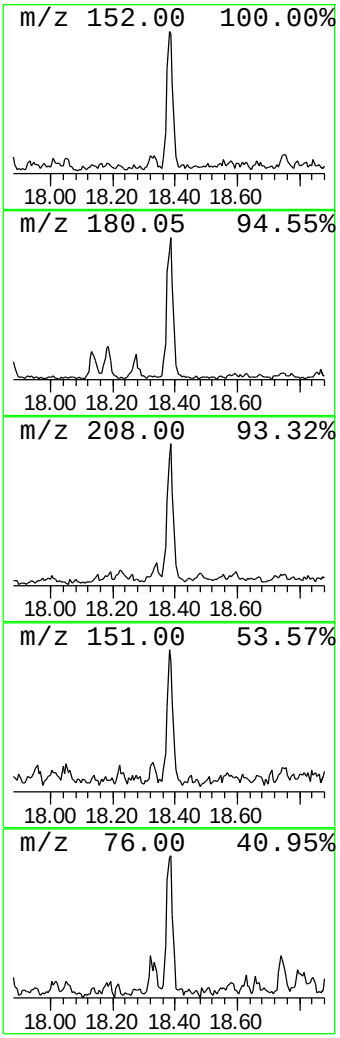
Peak Number 16 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	4.03 ng/ul	437825	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83





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Quant Title : SVOA CALIBRATION

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

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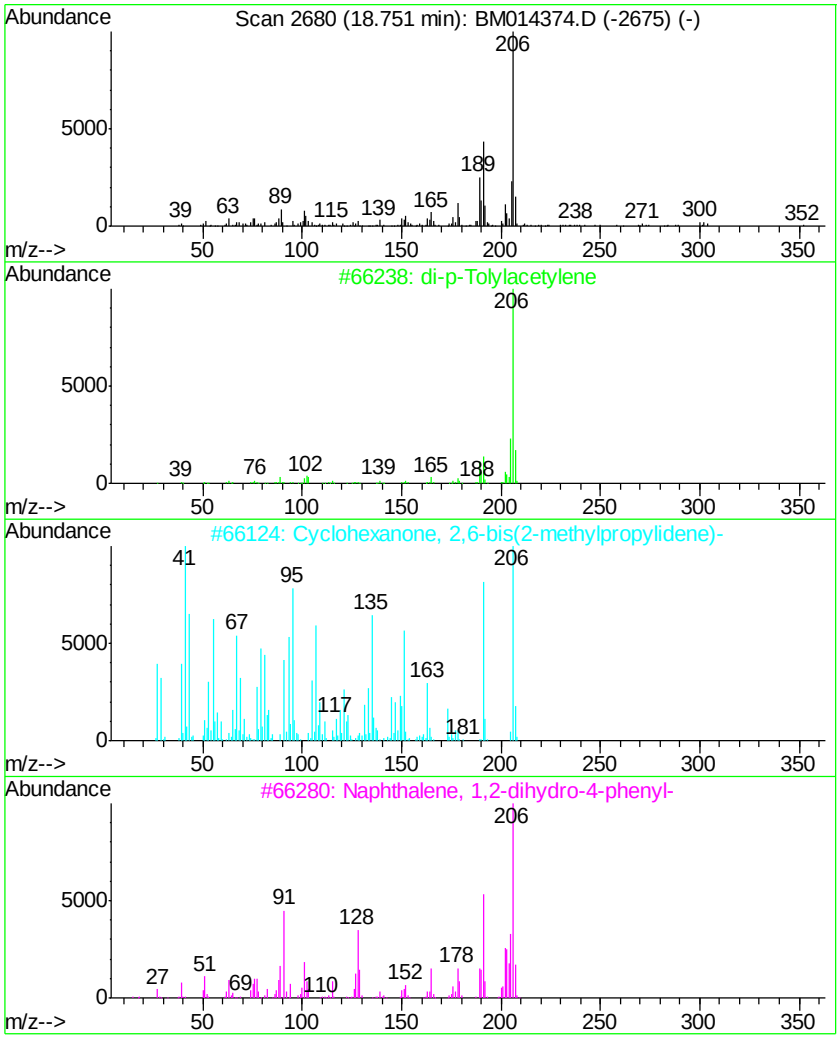
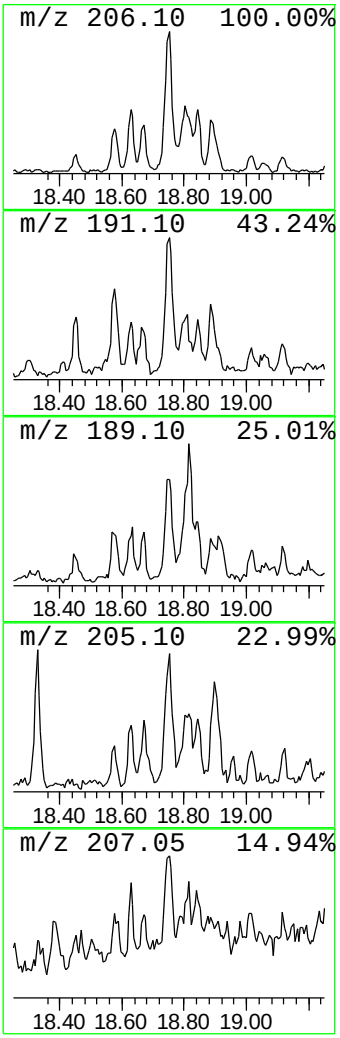
Peak Number 17 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	4.32 ng/ul	469310	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Cyclohexanone, 2,6-bis(2-methylp...	206	C14H22O	092368-82-6	91
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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Data File : BM014374.D
Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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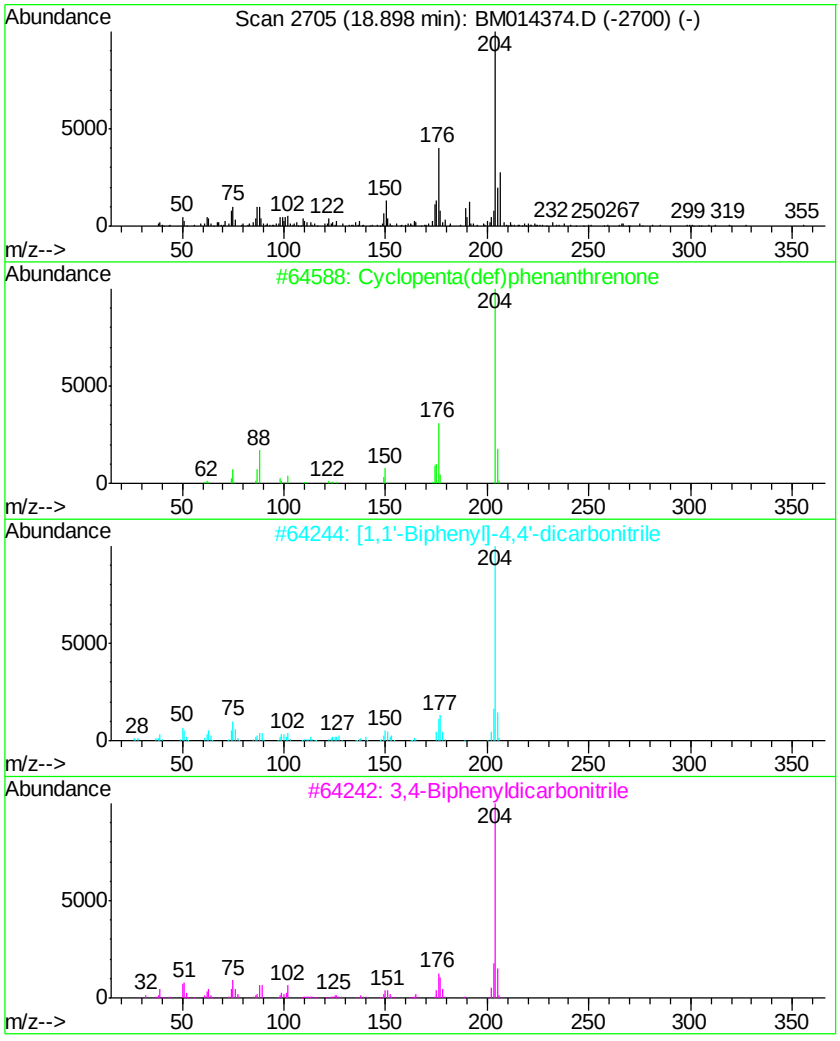
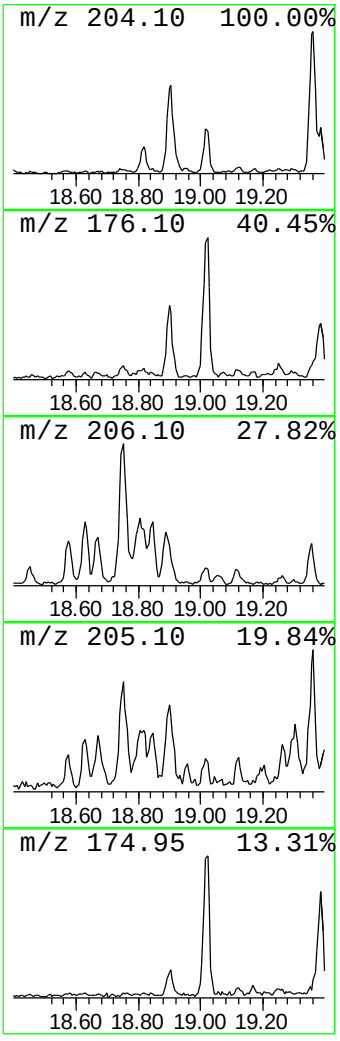
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	4.65 ng/ul	504338	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47





Library Search Compound Report

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Data File : BM014374.D
Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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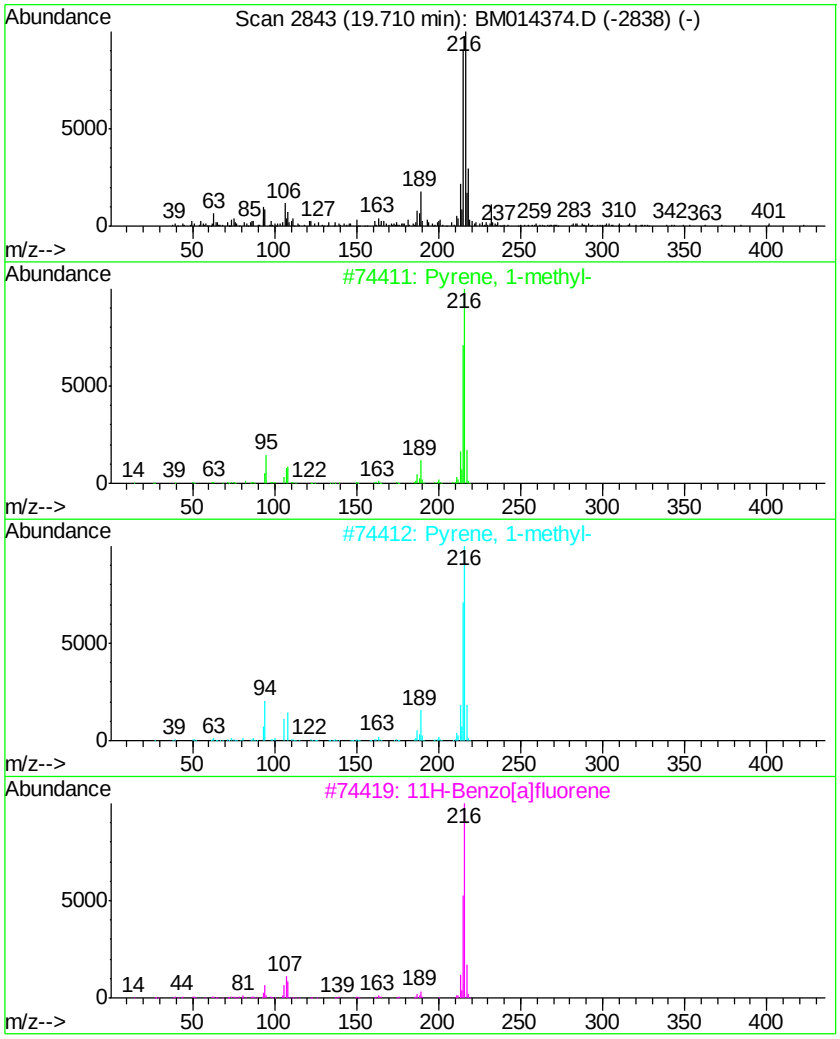
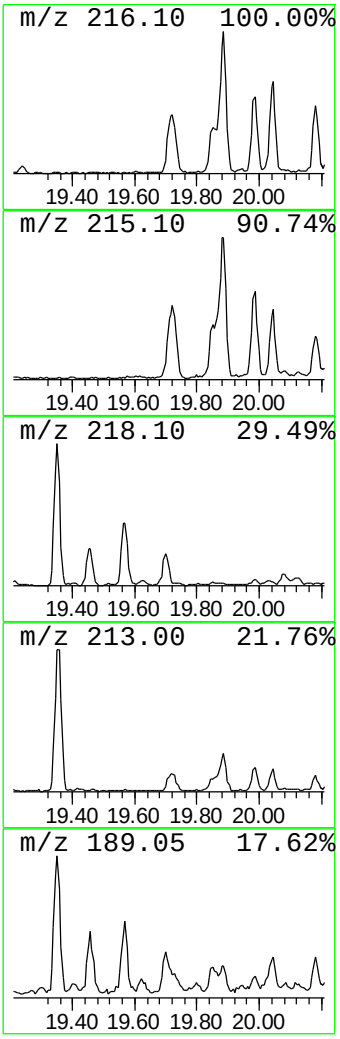
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	2.79 ng/ul	645799	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Data File : BM014374.D
Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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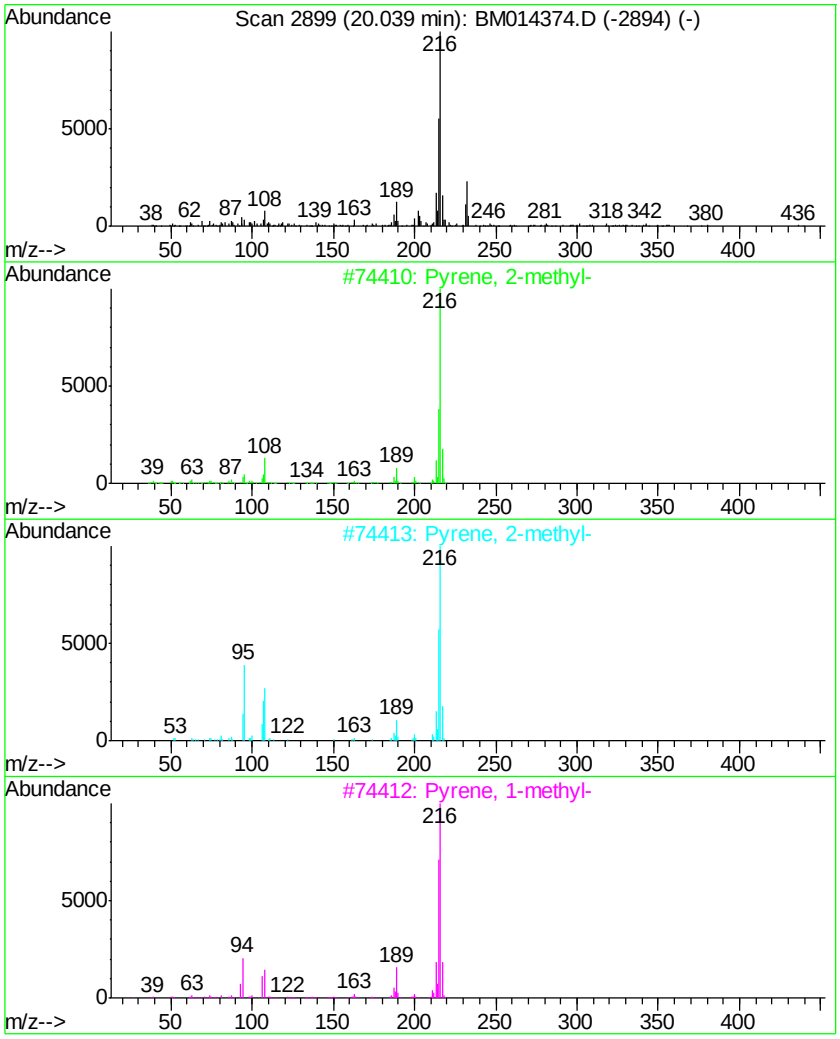
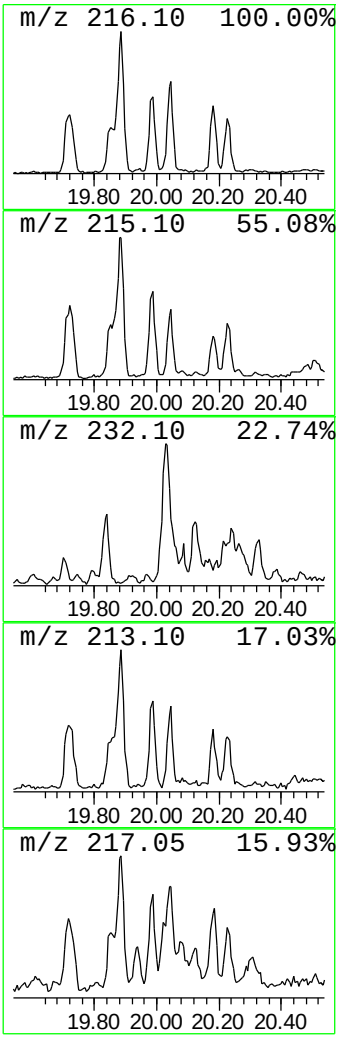
Peak Number 21 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.78 ng/ul	645452	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Data File : BM014374.D
Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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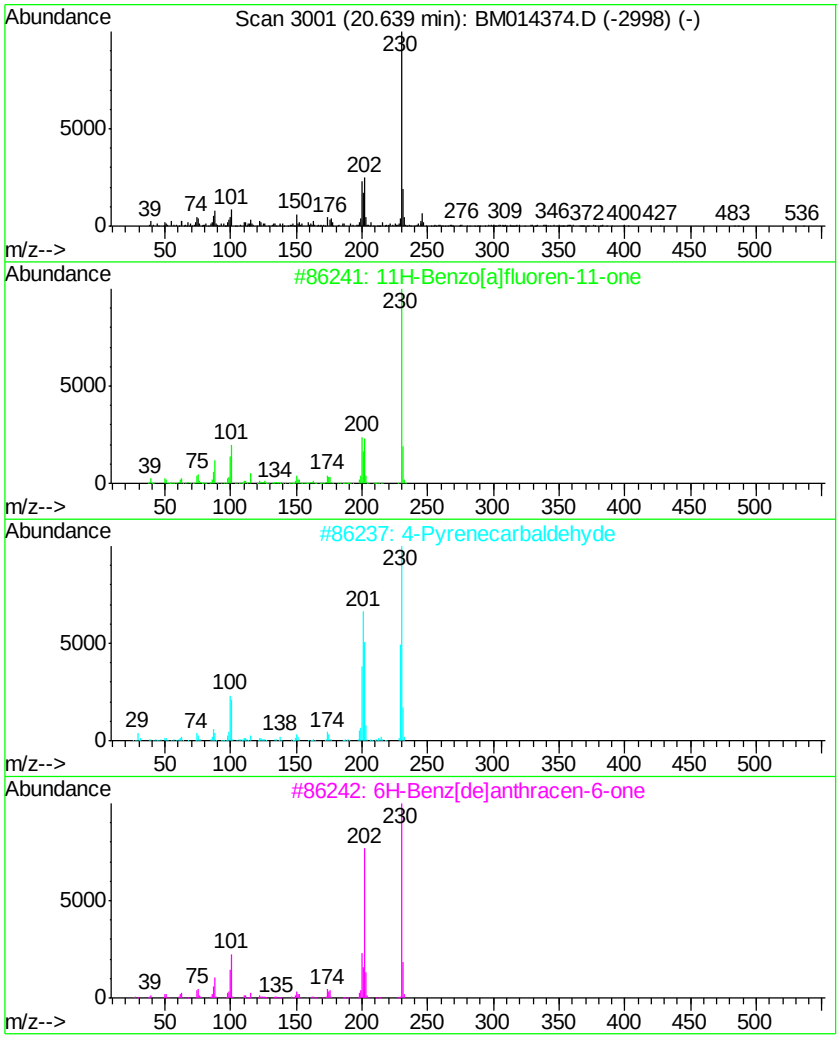
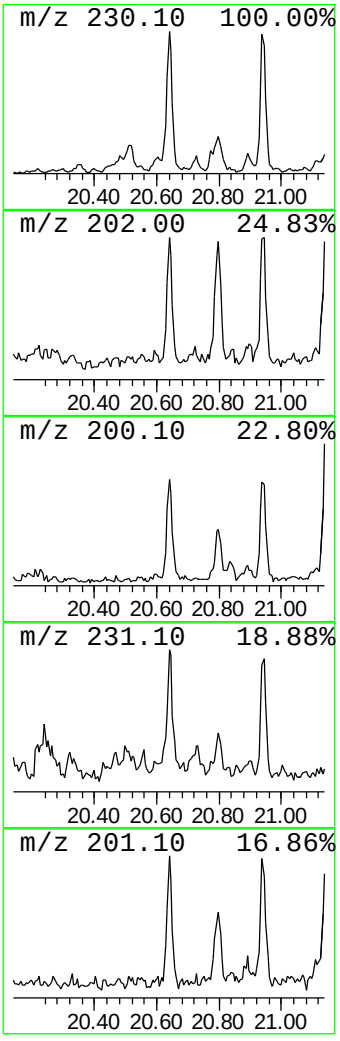
Peak Number 22 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	2.17 ng/ul	504022	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	87
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





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Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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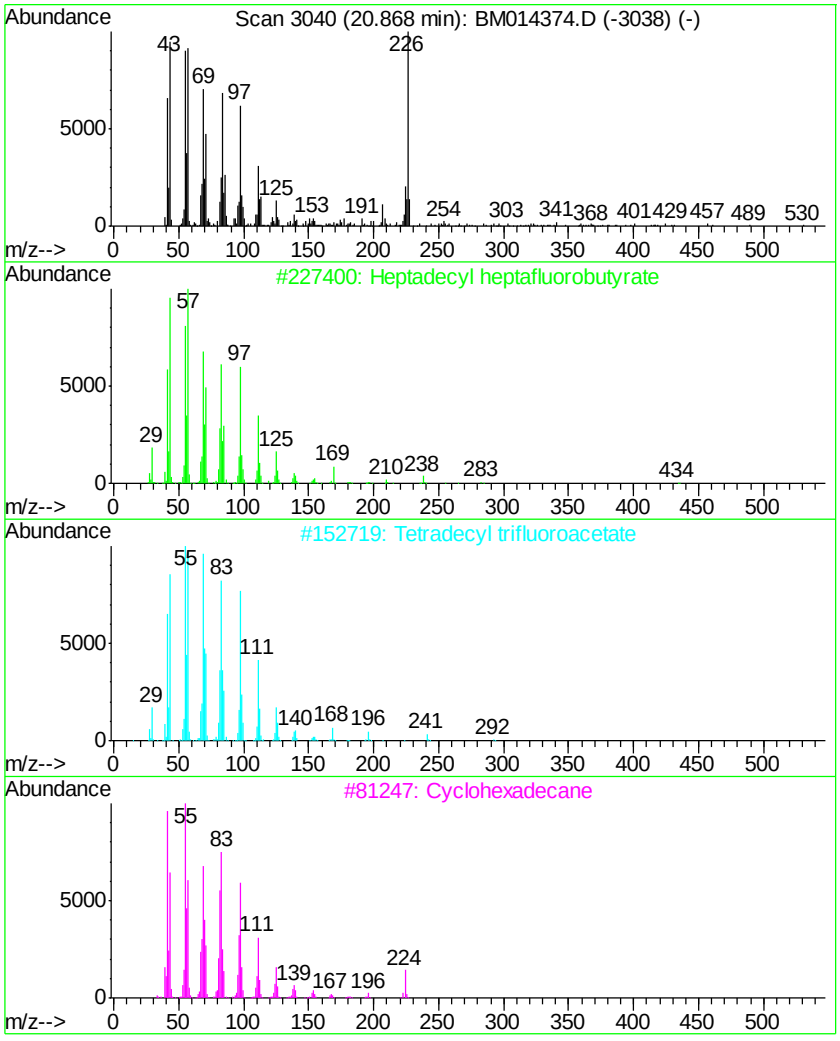
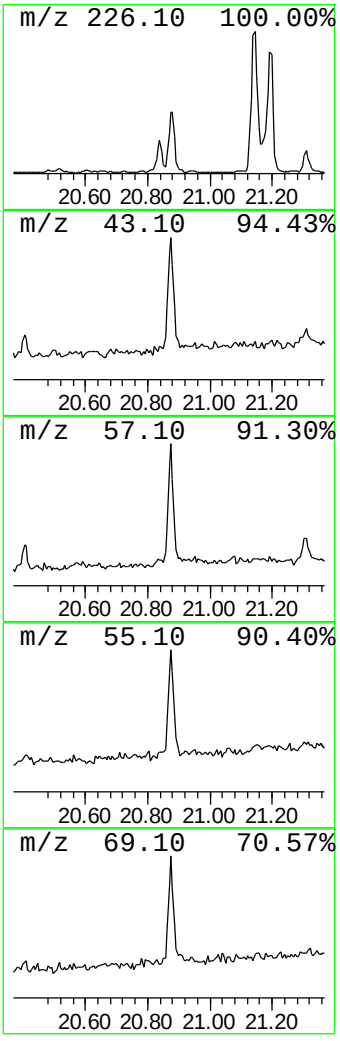
Peak Number 23 Heptadecyl heptafluorobutyrate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	6.41 ng/ul	1486480	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	78
2	Tetradecyl trifluoroacetate	310	C16H29F3O2	006222-02-2	64
3	Cyclohexadecane	224	C16H32	000295-65-8	64
4	1-Nonadecene	266	C19H38	018435-45-5	64
5	1-Docosene	308	C22H44	001599-67-3	60





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014374.D
Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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
Silane, tetramethyl-	4.69	2.4	ng/ul	128938	1	7.53	1094960	20.0
(DEL) Alkane: Str...	15.05	2.2	ng/ul	226832	3	14.18	2100900	20.0
Dibenzofuran, 4-m...	15.69	2.2	ng/ul	243603	4	16.95	2171480	20.0
(DEL) Alkane: Str...	15.92	2.5	ng/ul	268709	4	16.95	2171480	20.0
9H-Fluorene, 1-me...	16.25	2.4	ng/ul	259142	4	16.95	2171480	20.0
9H-Fluoren-9-one	16.61	2.6	ng/ul	287366	4	16.95	2171480	20.0
Naphtho[2,1-b]thi...	16.76	2.8	ng/ul	299983	4	16.95	2171480	20.0
unknown-01	17.53	2.0	ng/ul	218200	4	16.95	2171480	20.0
Anthracene, 2-met...	17.82	7.4	ng/ul	799046	4	16.95	2171480	20.0
Anthracene, 1-met...	17.86	16.7	ng/ul	1815980	4	16.95	2171480	20.0
1H-Cyclopropa[l]p...	17.95	3.8	ng/ul	410851	4	16.95	2171480	20.0
4H-Cyclopenta[def...	18.02	12.0	ng/ul	1306900	4	16.95	2171480	20.0
1a,9b-Dihydro-1H-...	18.05	4.6	ng/ul	503608	4	16.95	2171480	20.0
unknown-02	18.22	2.1	ng/ul	231807	4	16.95	2171480	20.0
5,16[1',2']:8,13[...	18.33	3.8	ng/ul	408010	4	16.95	2171480	20.0
9,10-Anthracenedione	18.38	4.0	ng/ul	437825	4	16.95	2171480	20.0
di-p-Tolylacetylene	18.75	4.3	ng/ul	469310	4	16.95	2171480	20.0
Cyclopenta(def)ph...	18.90	4.7	ng/ul	504338	4	16.95	2171480	20.0
Pyrene, 1-methyl-	19.71	2.8	ng/ul	645799	5	21.16	4635640	20.0
Pyrene, 2-methyl-	20.04	2.8	ng/ul	645452	5	21.16	4635640	20.0
11H-Benzo[a]fluor...	20.64	2.2	ng/ul	504022	5	21.16	4635640	20.0
Heptadecyl heptaf...	20.87	6.4	ng/ul	1486480	5	21.16	4635640	20.0