LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014474.D
Acq On : 05 Mar 2018 15:47
Operator : SJ/JU
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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	3.787	130	136	145	rVB	1401003	1972411	18.06%	2.178%
2	6.728	630	636	650	rBV	459335	920209	8.43%	1.016%
3	6.863	654	659	668	rVV	365820	567927	5.20%	0.627%
4	7.057	685	692	701	rBV	570787	949863	8.70%	1.049%
5	7.510	762	769	777	rBV	466778	749802	6.87%	0.828%
6	8.251	888	895	907	rBV	581857	1087035	9.95%	1.200%
7	8.675	961	967	978	rBV	567465	982999	9.00%	1.085%
8	9.392	1082	1089	1100	rBV	505889	936845	8.58%	1.035%
9	9.940	1175	1182	1199	rBV	565125	1292069	11.83%	1.427%
10	10.287	1232	1241	1246	rBV	638066	1066994	9.77%	1.178%
11	10.334	1246	1249	1258	rVB2	68873	116659	1.07%	0.129%
12	10.451	1262	1269	1280	rBV2	286601	721056	6.60%	0.796%
13	13.492	1778	1786	1791	rBV2	72925	148072	1.36%	0.164%
14	13.598	1798	1804	1809	rBV	1394386	1920269	17.58%	2.120%
15	13.645	1809	1812	1817	rVB	203601	274541	2.51%	0.303%
16	13.869	1843	1850	1862	rBV	1516328	2567930	23.52%	2.836%
17	14.069	1878	1884	1890	rBV2	76801	118885	1.09%	0.131%
18	14.175	1892	1902	1909	rVV2	869258	1445620	13.24%	1.596%
19	14.239	1909	1913	1921	rVB	206017	325520	2.98%	0.359%
20	14.486	1949	1955	1966	rBV2	260475	716423	6.56%	0.791%
21	14.580	1967	1971	1977	rVB	142330	221181	2.03%	0.244%
22	15.022	2041	2046	2051	rVB2	211877	332981	3.05%	0.368%
23	15.180	2067	2073	2079	rBV	1765514	2559109	23.44%	2.826%
24	15.239	2079	2083	2093	rVB	239754	438316	4.01%	0.484%
25	15.363	2095	2104	2108	rBV2	291518	500314	4.58%	0.552%
26	15.533	2128	2133	2139	rVB	111715	182776	1.67%	0.202%
27	15.686	2154	2159	2166	rVB2	106196	204600	1.87%	0.226%
28	16.245	2247	2254	2259	rBV4	96665	217032	1.99%	0.240%
29	16.610	2310	2316	2322	rBV	183814	281718	2.58%	0.311%
30	16.763	2337	2342	2348	rVB	191350	297049	2.72%	0.328%
31	16.945	2366	2373	2376	rBV	998379	1484873	13.60%	1.640%
32	16.986	2376	2380	2385	rVV	3781307	5082613	46.54%	5.613%
33	17.045	2385	2390	2393	rVV	1805316	2637647	24.15%	2.913%
34	17.074	2393	2395	2400	rVV	663550	814809	7.46%	0.900%

LSC Area Percent Report

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Data File : BM014474.D
Acq On : 05 Mar 2018 15:47
Operator : SJ/JU
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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	17.145	2400	2407	2413	rVB4	68614	168640	1.54%	0.186%
36	17.363	2435	2444	2453	rBV2	240454	572603	5.24%	0.632%
37	17.545	2469	2475	2481	rVB6	95932	214935	1.97%	0.237%
38	17.815	2517	2521	2524	rBV	449676	614071	5.62%	0.678%
39	17.868	2524	2530	2537	rVV	642661	1127278	10.32%	1.245%
40	17.951	2540	2544	2548	rVV	201189	276867	2.54%	0.306%
41	18.010	2548	2554	2558	rVV2	636637	1103152	10.10%	1.218%
42	18.051	2558	2561	2568	rVB	325194	496990	4.55%	0.549%
43	18.327	2604	2608	2614	rVB	331567	431821	3.95%	0.477%
44	18.386	2614	2618	2624	rVB	376736	524205	4.80%	0.579%
45	18.568	2647	2649	2655	rVB2	94300	132026	1.21%	0.146%
46	18.627	2656	2659	2663	rVV	98945	135912	1.24%	0.150%
47	18.668	2663	2666	2670	rVB2	101614	127323	1.17%	0.141%
48	18.745	2675	2679	2685	rBV	266165	508611	4.66%	0.562%
49	18.845	2694	2696	2699	rVB2	121196	110557	1.01%	0.122%
50	18.904	2700	2706	2711	rVB3	268195	490606	4.49%	0.542%
51	19.021	2720	2726	2731	rBV	5646555	7111804	65.13%	7.853%
52	19.115	2740	2742	2745	rBV4	83158	114916	1.05%	0.127%
53	19.357	2778	2783	2785	rBV3	2426191	3340885	30.59%	3.689%
54	19.386	2785	2788	2796	rVB	4523006	5739492	52.56%	6.338%
55	19.457	2797	2800	2804	rBV2	208364	255767	2.34%	0.282%
56	19.568	2815	2819	2823	rBV	230379	329586	3.02%	0.364%
57	19.715	2838	2844	2851	rBV4	277483	743919	6.81%	0.821%
58	19.886	2870	2873	2878	rVB2	529656	759295	6.95%	0.838%
59	19.986	2887	2890	2893	rBV	247436	306285	2.80%	0.338%
60	20.045	2897	2900	2905	rVB	372585	520051	4.76%	0.574%
61	20.186	2921	2924	2927	rVB	205810	223440	2.05%	0.247%
62	20.233	2928	2932	2935	rVB	236755	345147	3.16%	0.381%
63	20.356	2951	2953	2957	rVB3	201220	174516	1.60%	0.193%
64	20.398	2958	2960	2963	rVB	168461	143438	1.31%	0.158%
65	20.645	2999	3002	3007	rVB	439301	518814	4.75%	0.573%
66	20.804	3026	3029	3032	rBV	361743	444691	4.07%	0.491%
67	20.839	3032	3035	3037	rVV	336664	418593	3.83%	0.462%
68	20.862	3037	3039	3048	rVV3	358577	883449	8.09%	0.976%
69	20.951	3050	3054	3059	rVB	430904	580431	5.32%	0.641%
70	21.074	3070	3075	3081	rVB	10192876	10919970	100.00%	12.059%
71	21.151	3083	3088	3093	rVV3	2201928	4375885	40.07%	4.832%

LSC Area Percent Report

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Data File : BM014474.D
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Operator : SJ/JU
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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	21.198	3093	3096	3100	rVB	2056515	2332886	21.36%	2.576%
73	22.703	3347	3352	3357	rBV	1612124	3448172	31.58%	3.808%
74	23.162	3426	3430	3434	rBV	751567	1222654	11.20%	1.350%
75	23.215	3434	3439	3442	rVV	963160	1765406	16.17%	1.949%
76	23.256	3442	3446	3455	rVB	1425645	2366588	21.67%	2.613%

Sum of corrected areas: 90557824

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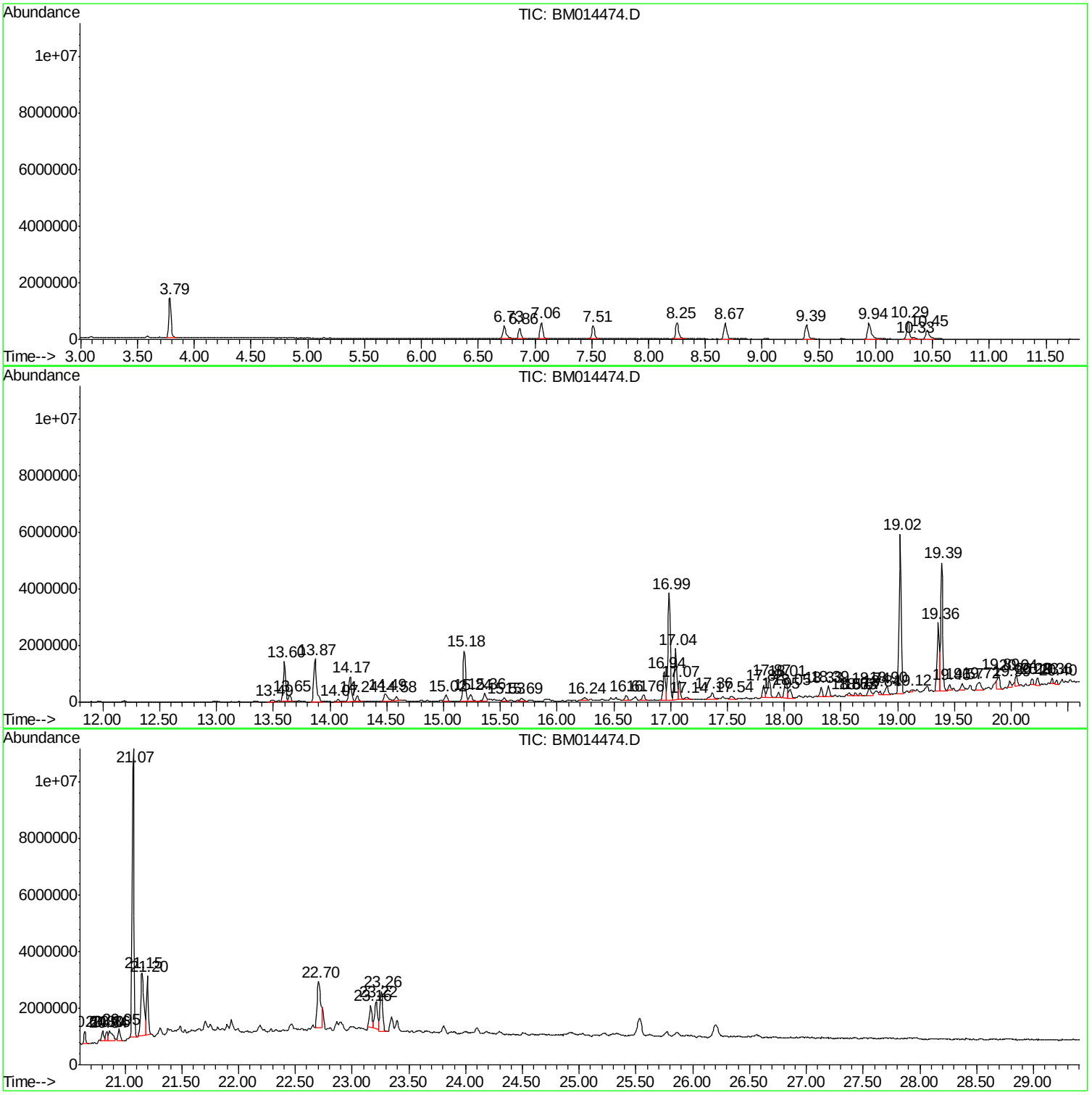
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014474.D
Acq On : 05 Mar 2018 15:47
Operator : SJ/JU
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

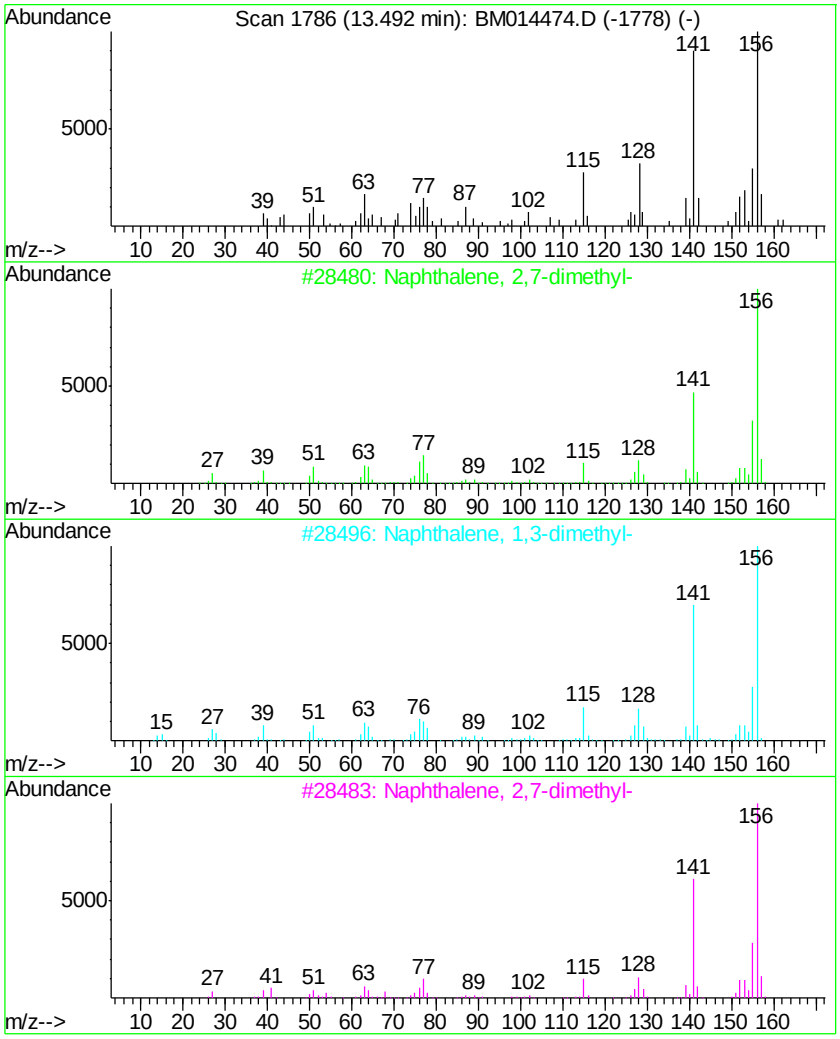
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

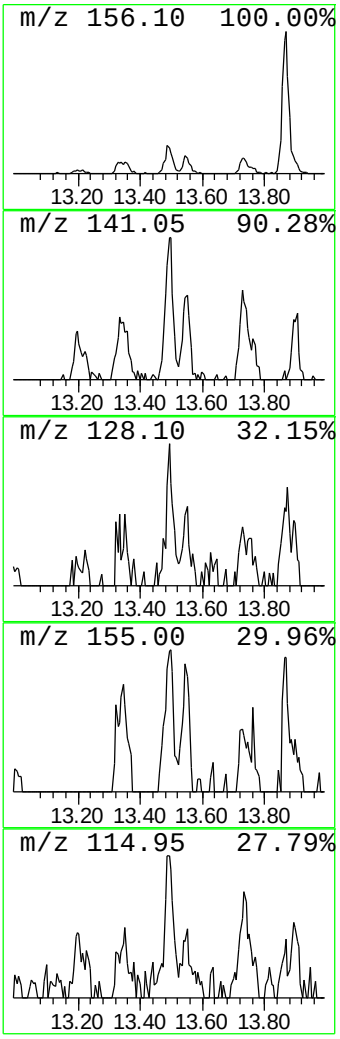
****

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.05 ng/ul	148072	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	87
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	87
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014474.D
Acq On : 05 Mar 2018 15:47
Operator : SJ/JU
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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

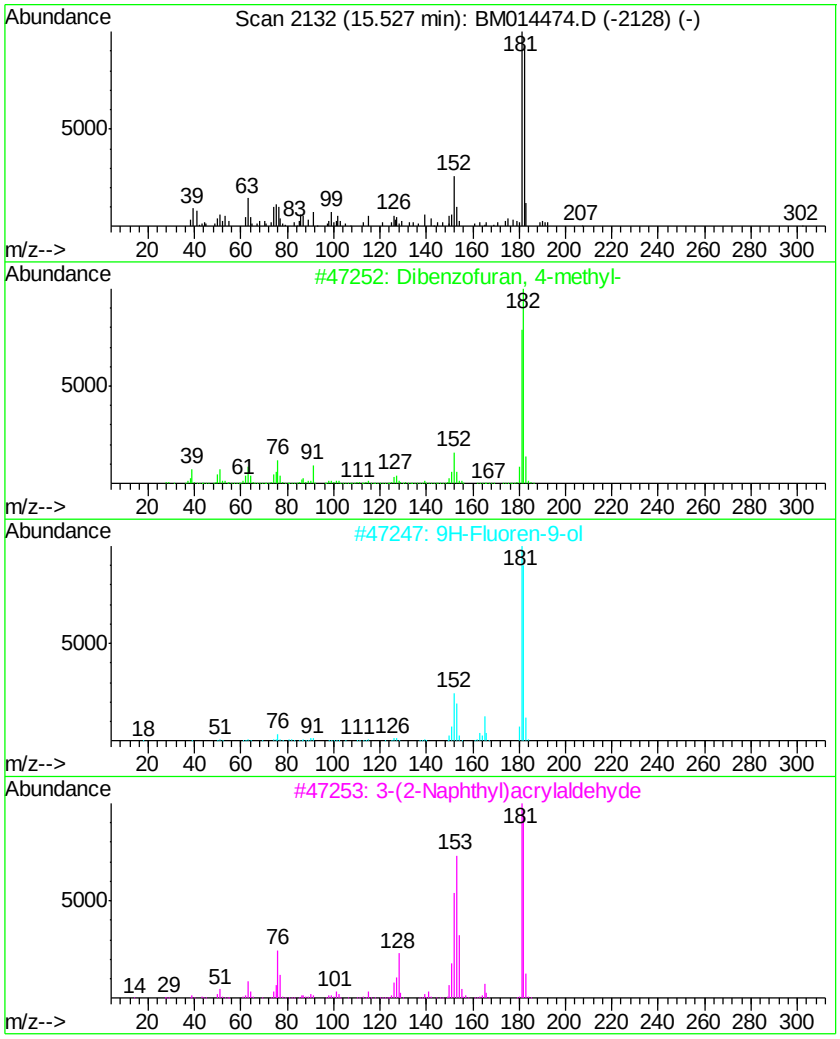
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

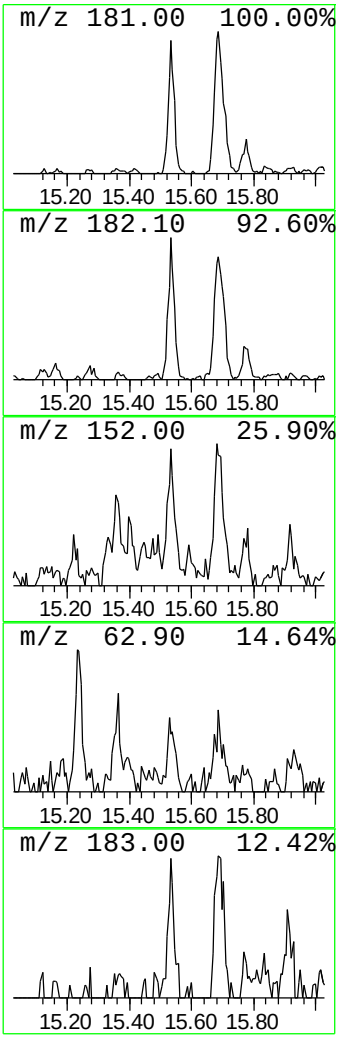
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	2.53 ng/ul	182776	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014474.D
Acq On : 05 Mar 2018 15:47
Operator : SJ/JU
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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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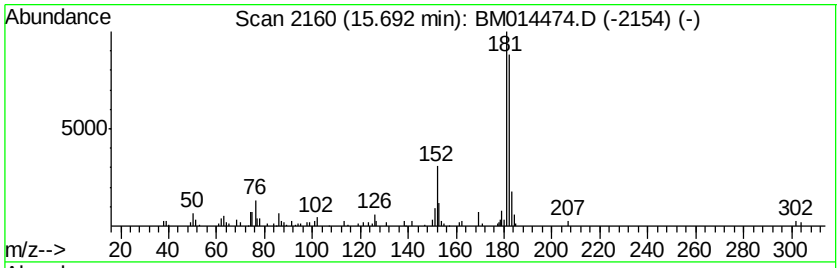
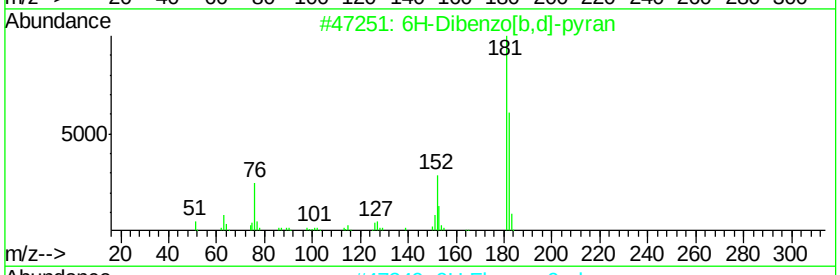
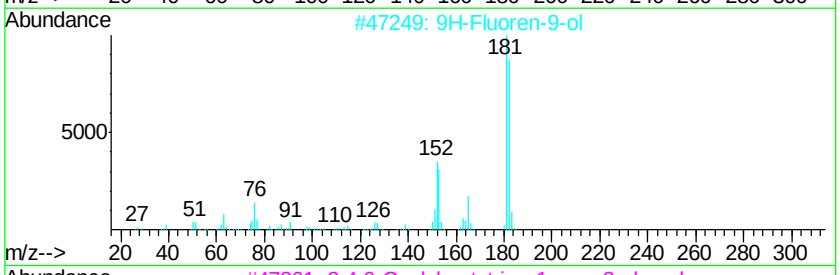
Peak Number 4 6H-Dibenzo[b,d]-pyran Concentration Rank 19

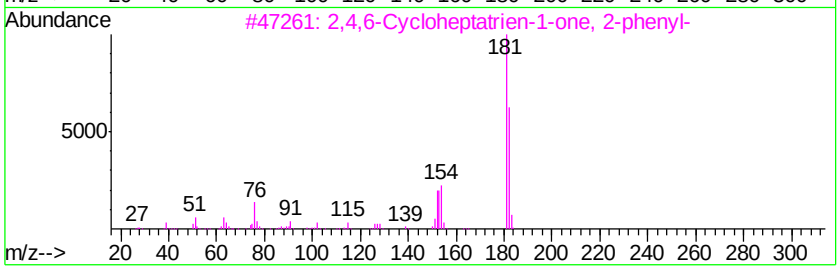
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	2.76 ng/ul	204600	Phenanthrene-d10	16.94

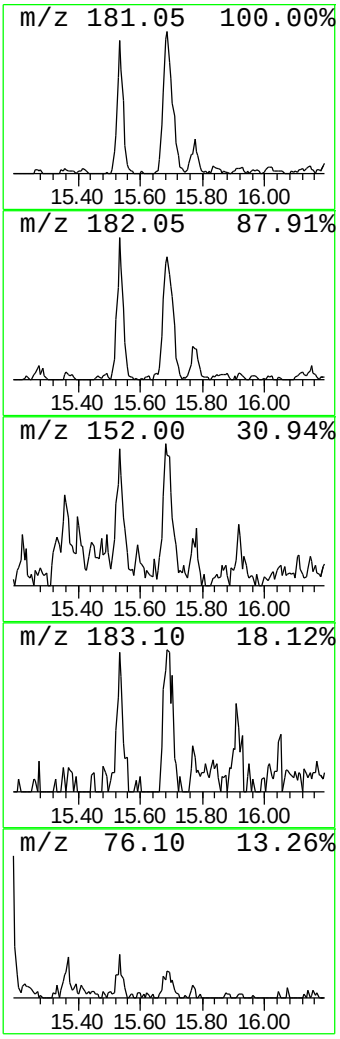
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72











Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014474.D
Acq On : 05 Mar 2018 15:47
Operator : SJ/JU
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Misc :
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Instrument : BNA_M
ClientSampleId : BE5T8

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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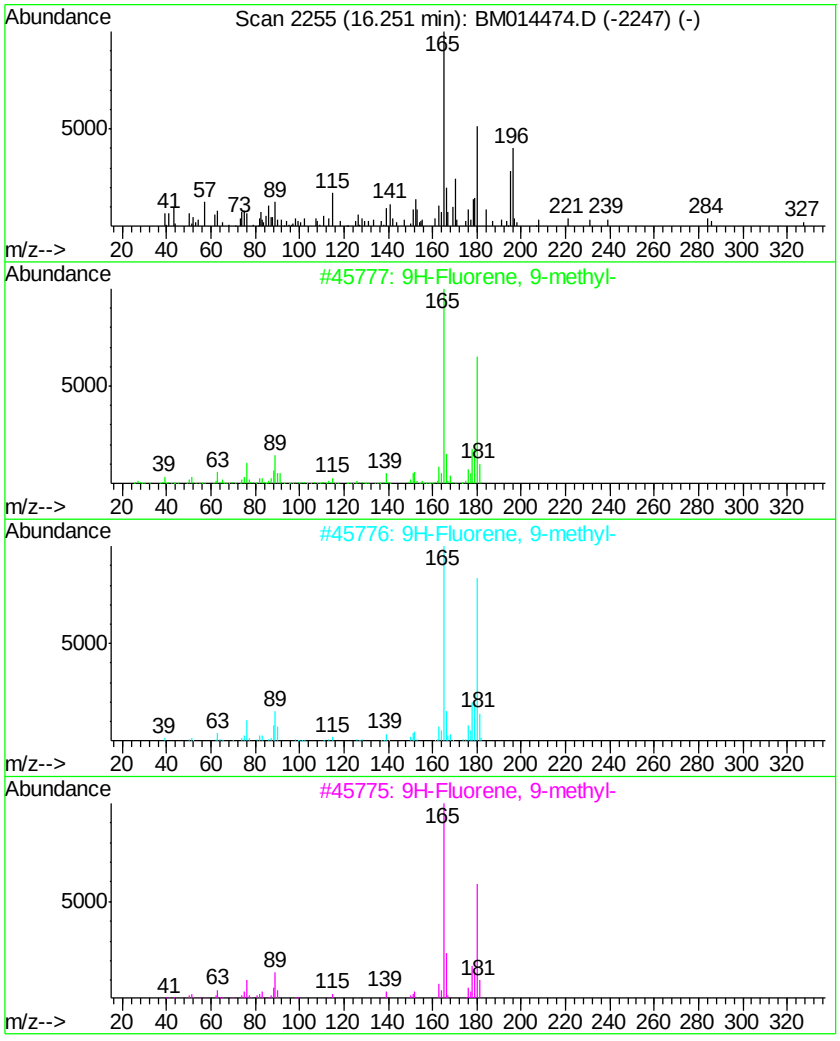
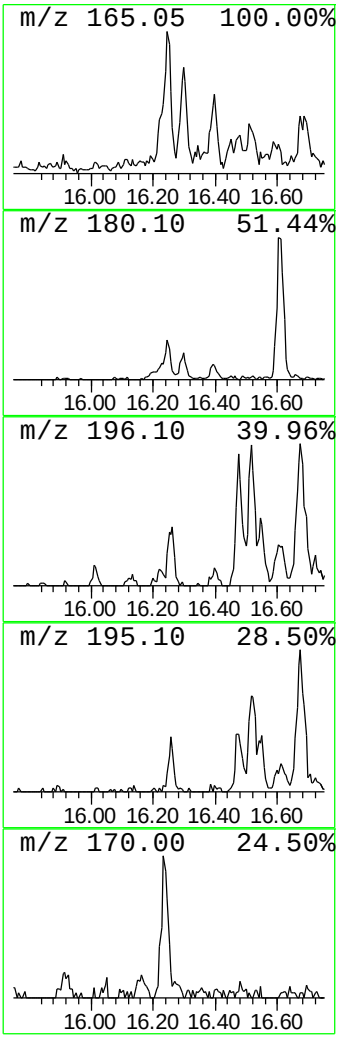
Peak Number 5 9H-Fluorene, 9-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	2.92 ng/ul	217032	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	49
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	49





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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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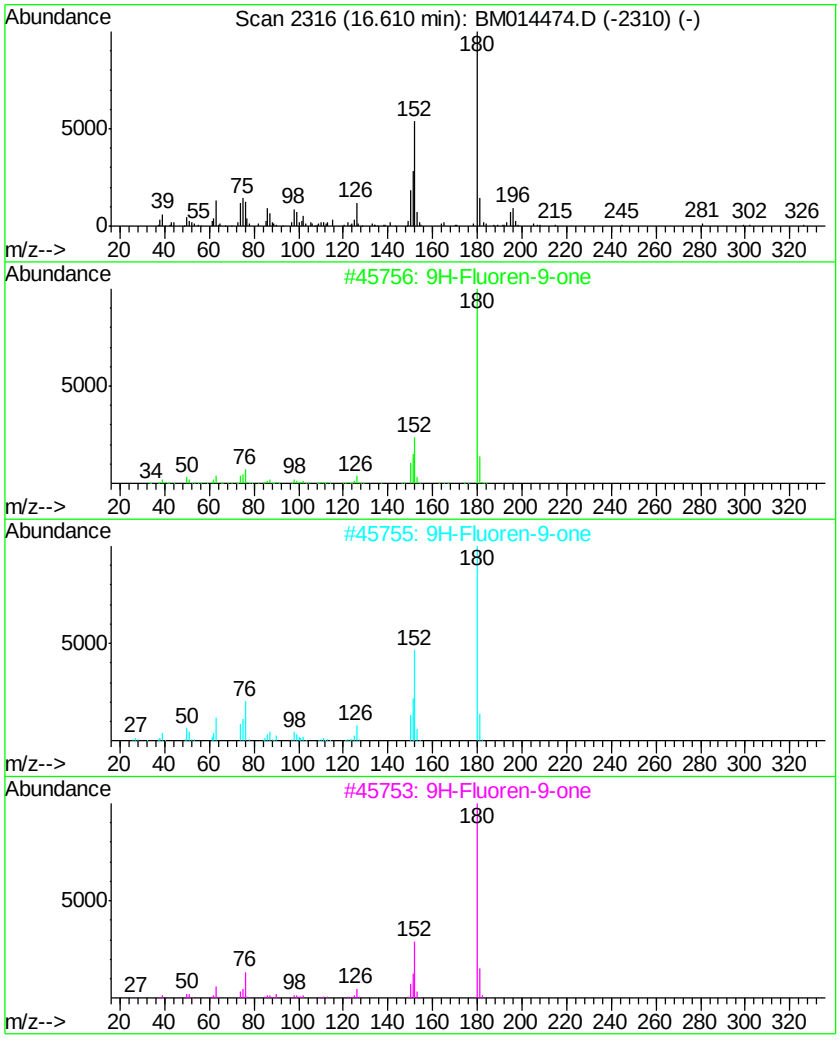
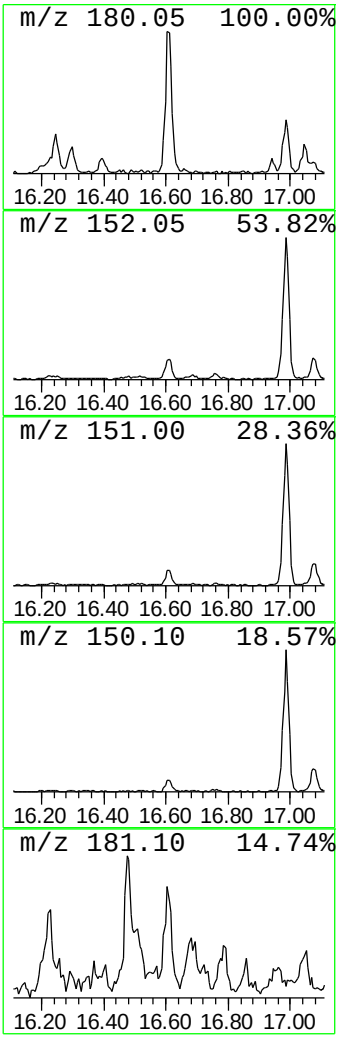
Peak Number 6 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	3.79 ng/ul	281718	Phenanthrene-d10	16.94

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	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	Diphenic anhydride	224	C14H8O3	006050-13-1	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014474.D
Acq On : 05 Mar 2018 15:47
Operator : SJ/JU
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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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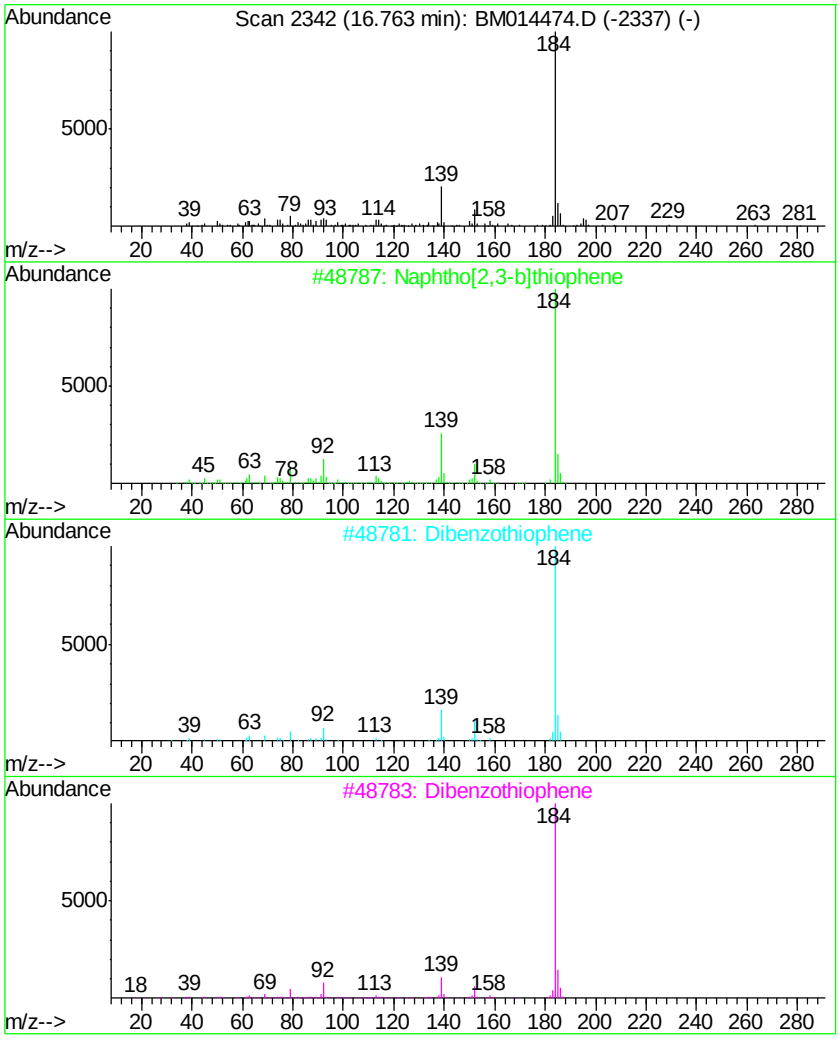
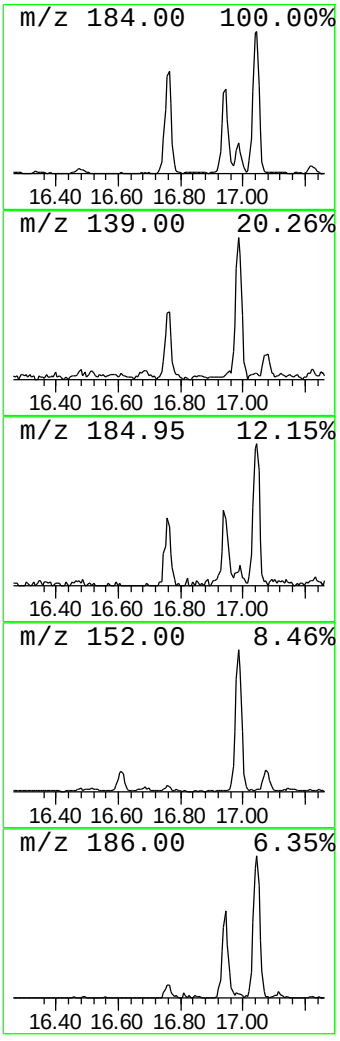
Peak Number 7 Naphtho[2,3-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	4.00 ng/ul	297049	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
2	Dibenzothiophene	184	C12H8S	000132-65-0	83
3	Dibenzothiophene	184	C12H8S	000132-65-0	74
4	Dibenzothiophene	184	C12H8S	000132-65-0	74
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	64





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Operator : SJ/JU
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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Quant Title : SVOA CALIBRATION

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

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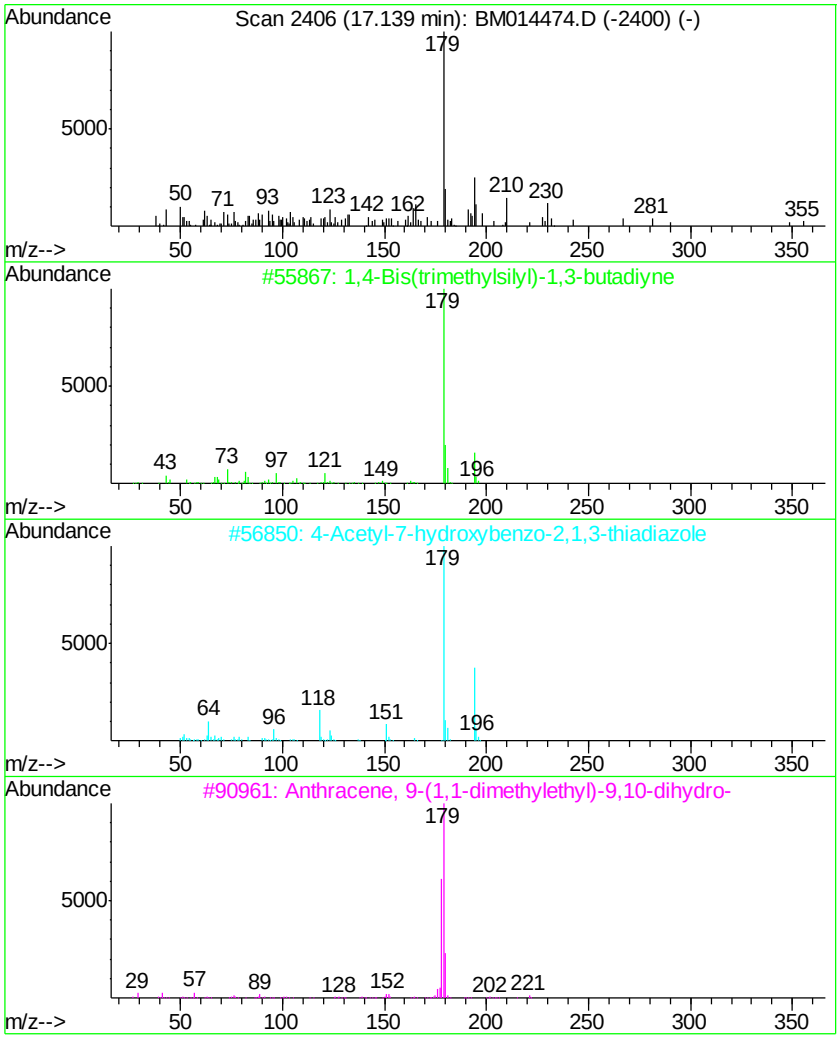
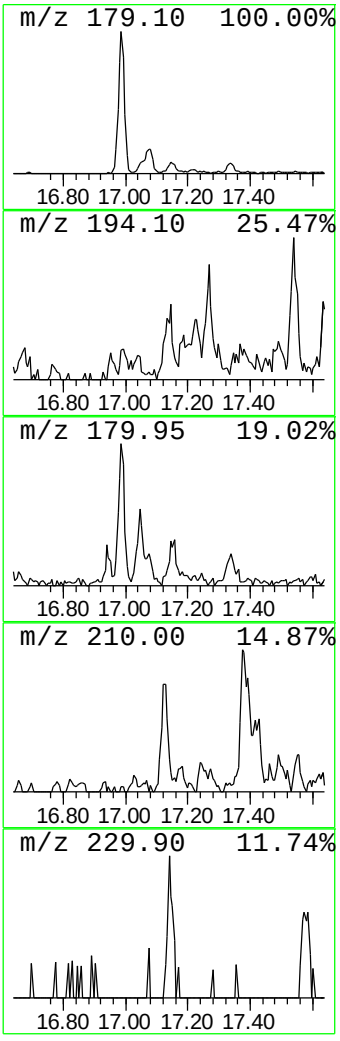
Peak Number 8 1,4-Bis(trimethylsilyl)-1,3... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	2.27 ng/ul	168640	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Bis(trimethylsilyl)-1,3-buta...	194	C10H18Si2	004526-07-2	59
2	4-Acetyl-7-hydroxybenzo-2,1,3-th...	194	C8H6N2O2S	120893-38-1	50
3	Anthracene, 9-(1,1-dimethylethyl...	236	C18H20	013387-48-9	50
4	9,10-Dihydro-9-(1-methyl-2-oxobu...	265	C18H19NO	015539-57-8	50
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	49





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Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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Quant Title : SVOA CALIBRATION

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

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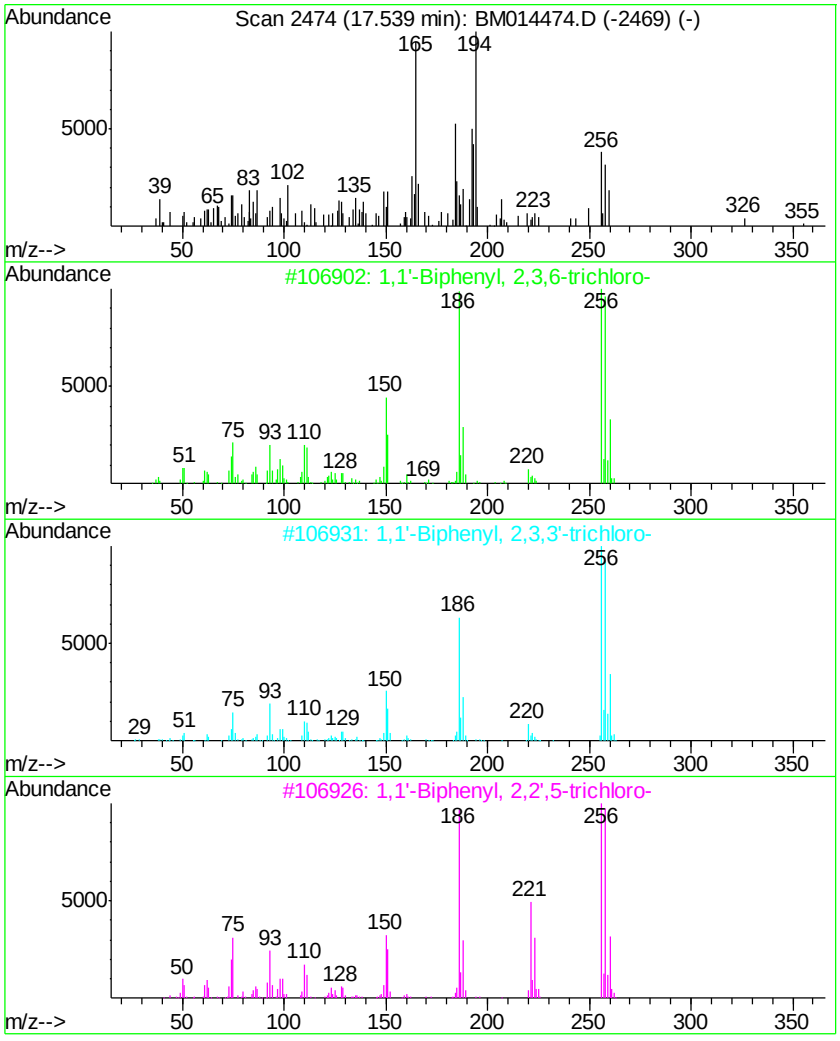
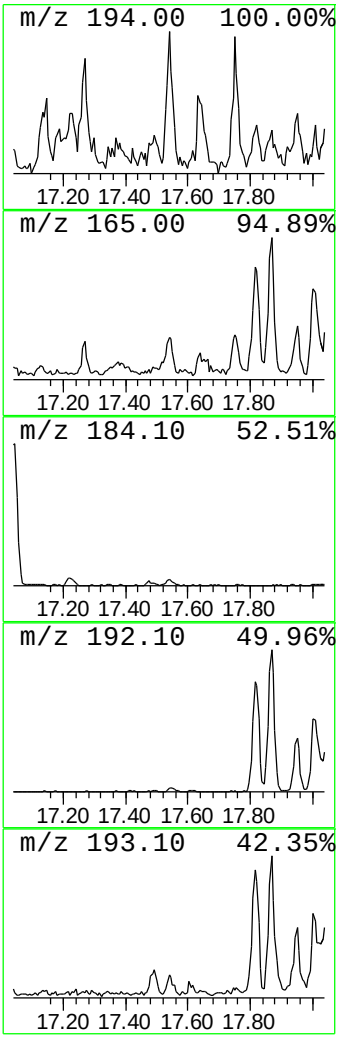
Peak Number 9 1,1'-Biphenyl, 2,3,6-trichl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	2.90 ng/ul	214935	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	53
2	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	53
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	38
4	2-Chloro-2-phenylindan-1,3-dione	256	C15H9ClO2	003817-96-7	38
5	9-Phenanthrenol	194	C14H10O	000484-17-3	25





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Instrument : BNA_M
ClientSampleId : BE5T8

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Quant Title : SVOA CALIBRATION

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

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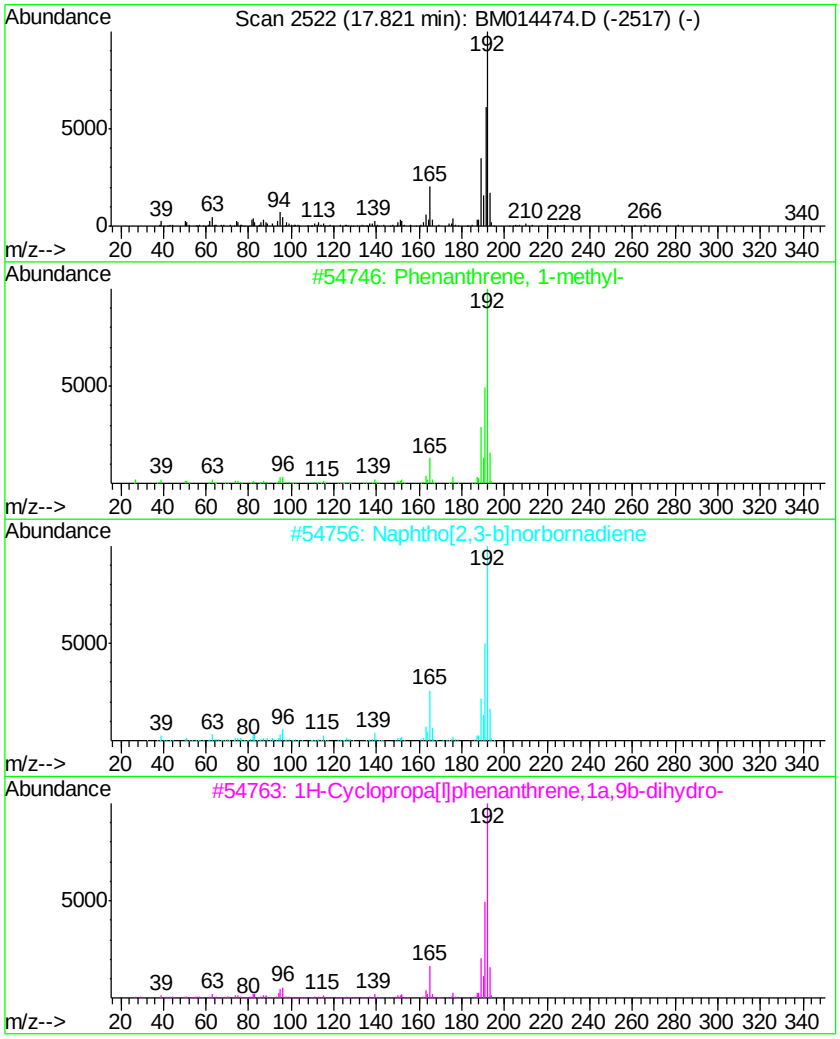
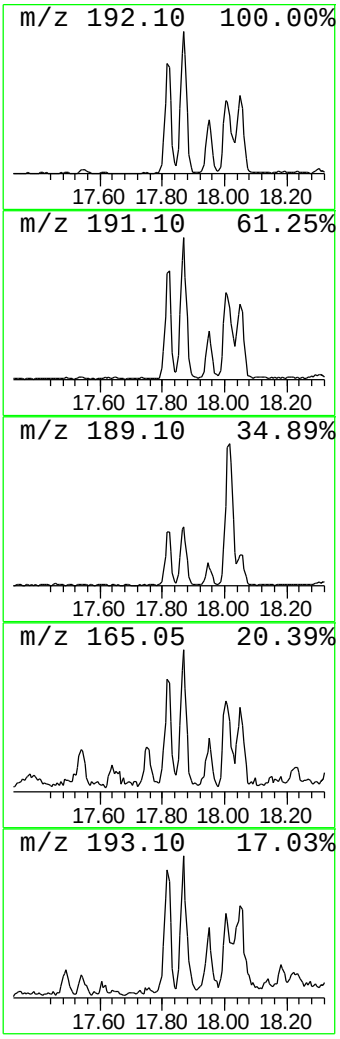
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	8.27 ng/ul	614071	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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Quant Title : SVOA CALIBRATION

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

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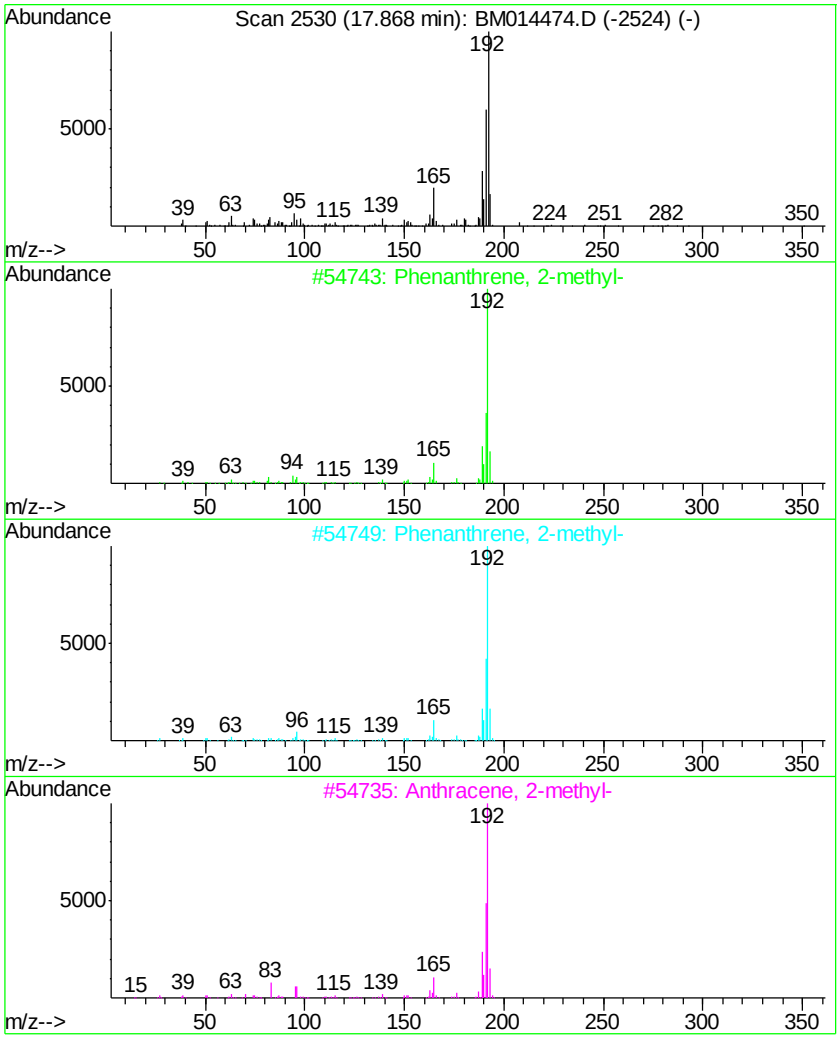
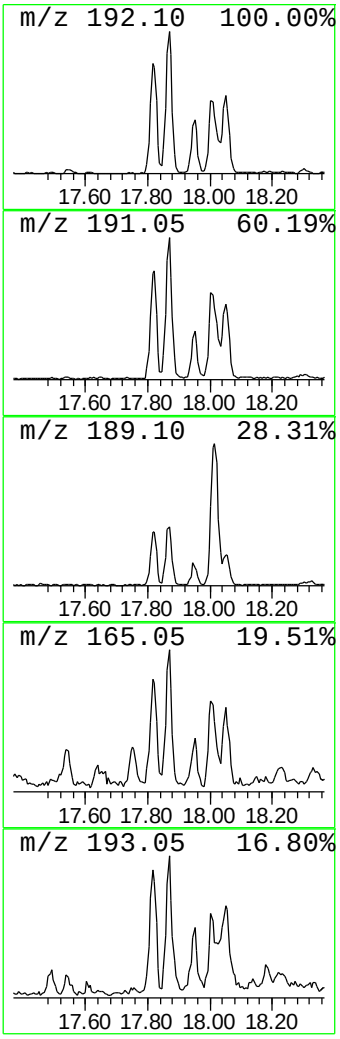
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	15.18 ng/ul	1127280	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Instrument : BNA_M
ClientSampleId : BE5T8

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Quant Title : SVOA CALIBRATION

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

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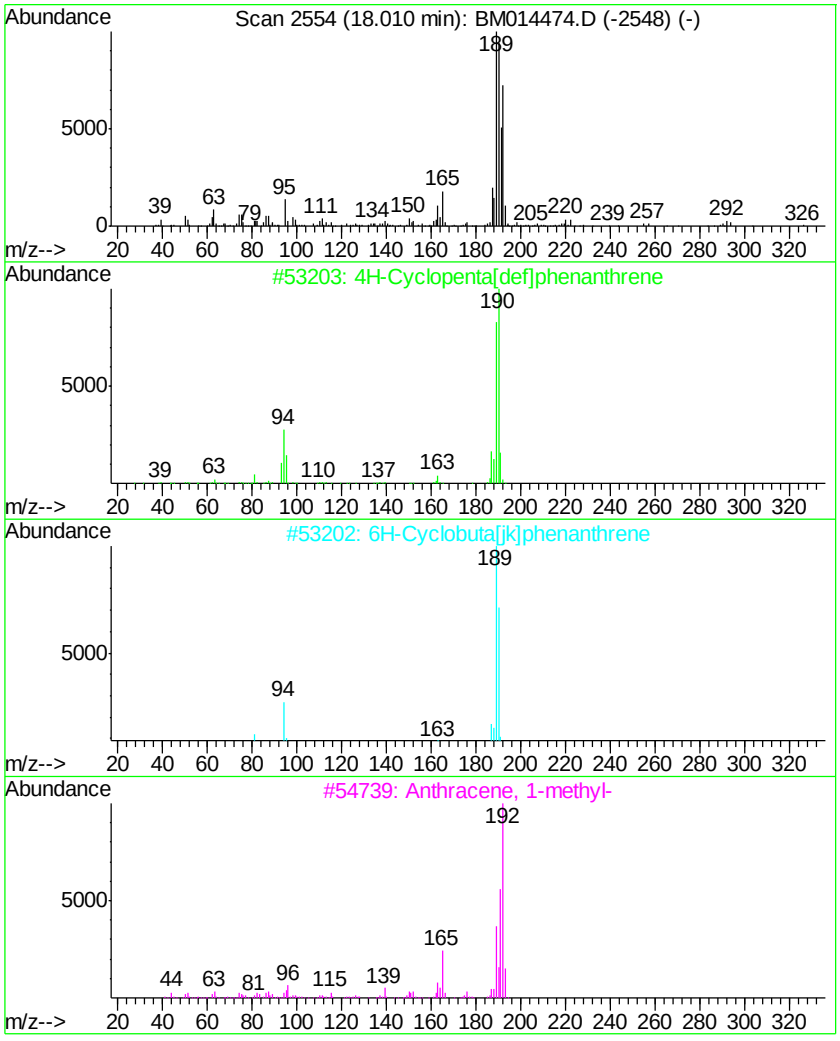
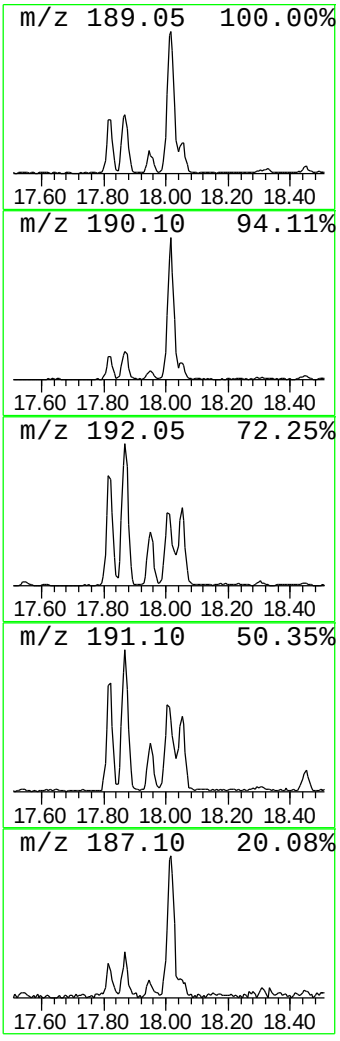
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	14.86 ng/ul	1103150	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	51
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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Quant Title : SVOA CALIBRATION

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

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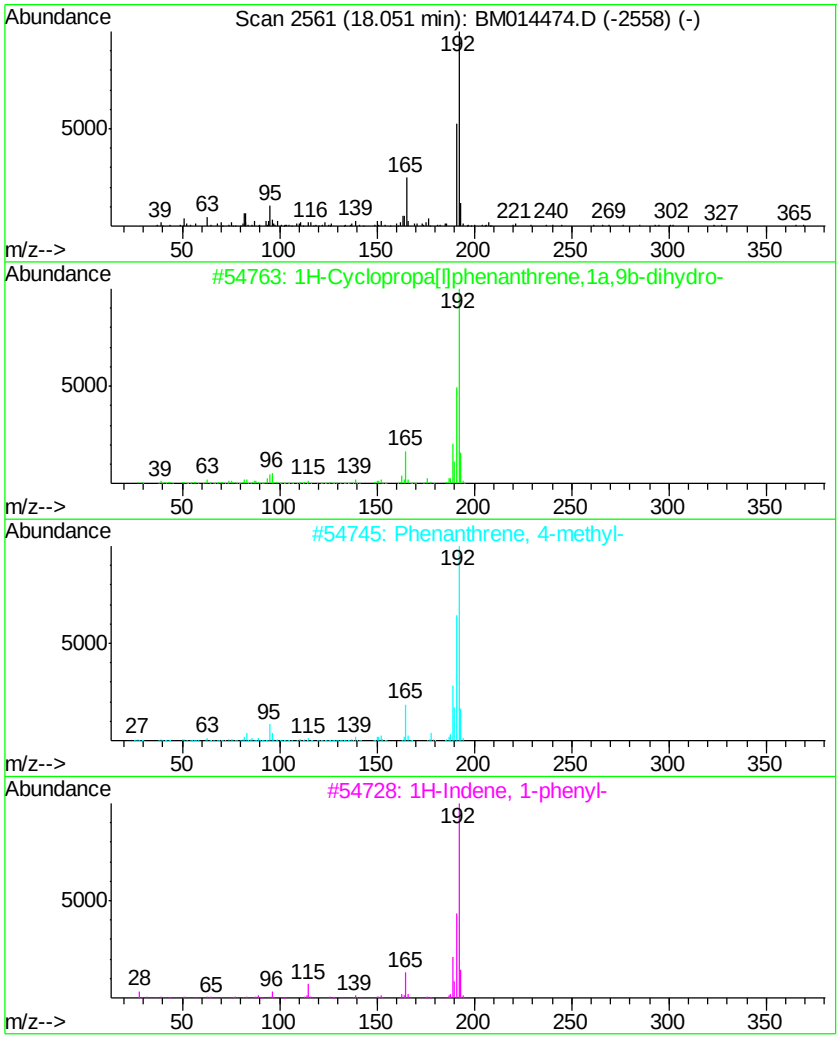
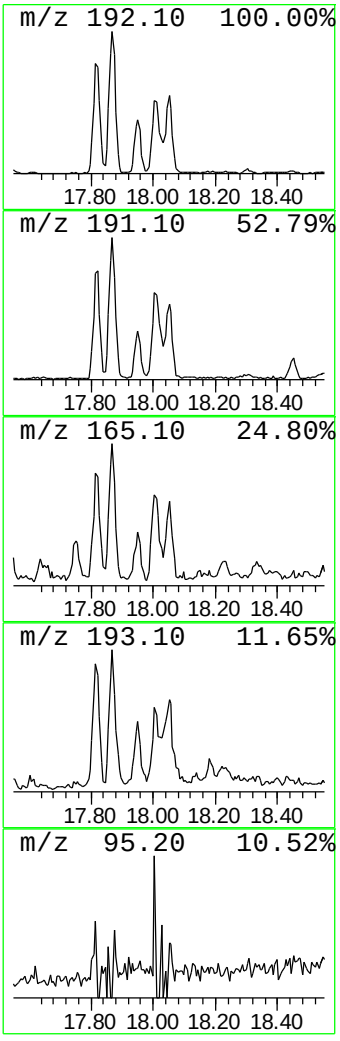
Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	6.69 ng/ul	496990	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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Quant Title : SVOA CALIBRATION

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

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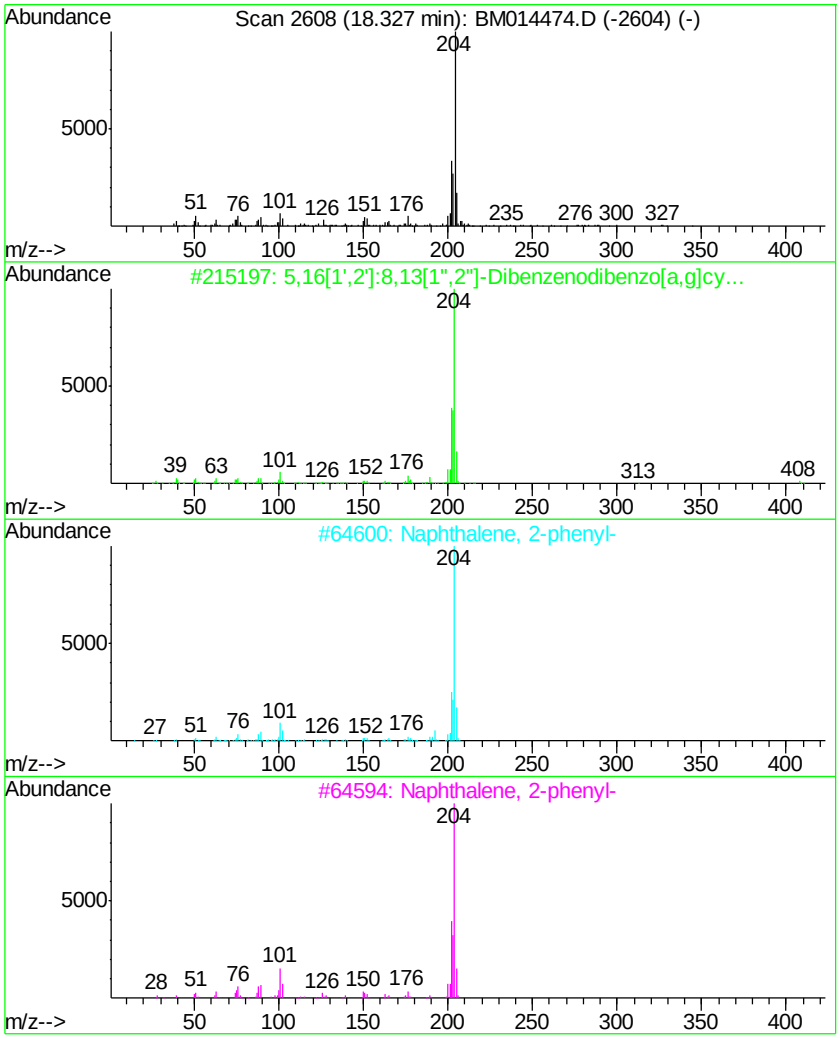
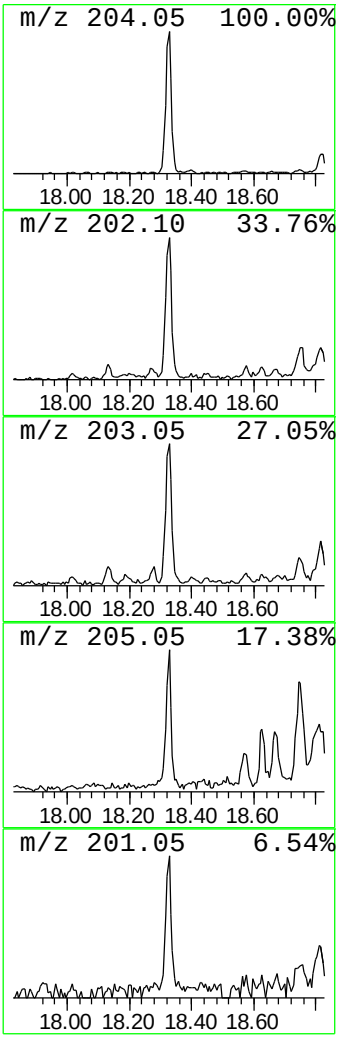
Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	5.82 ng/ul	431821	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	72





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Quant Title : SVOA CALIBRATION

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

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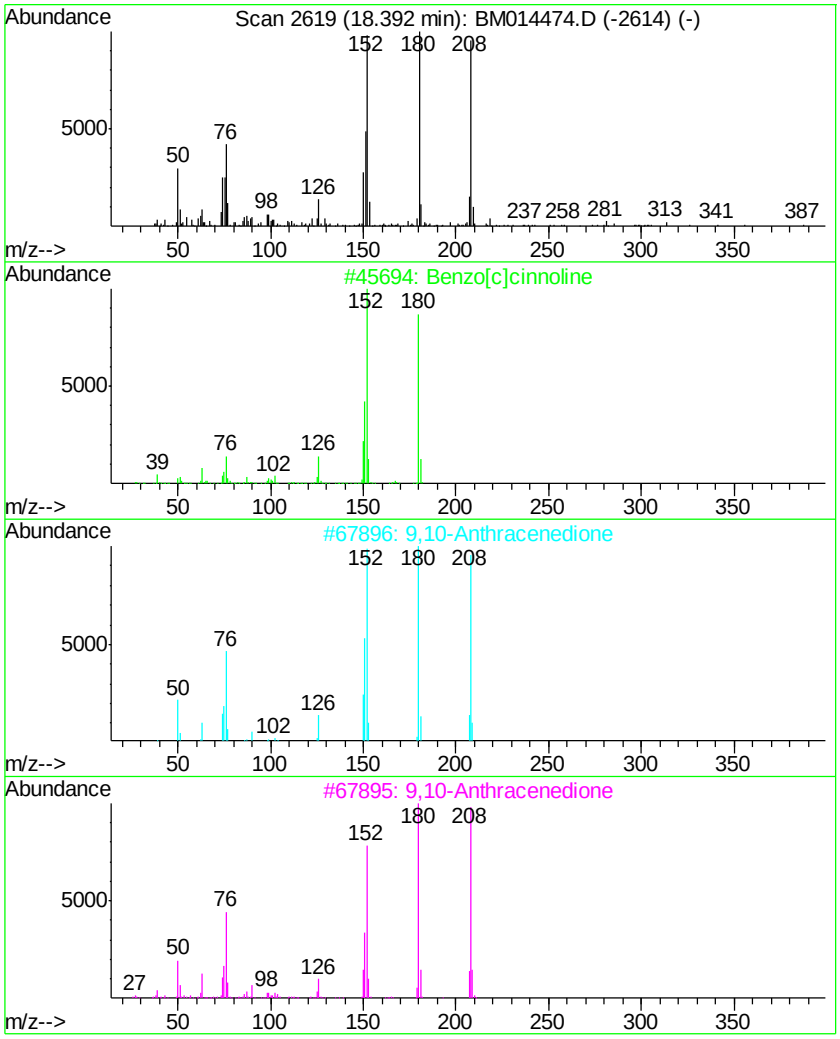
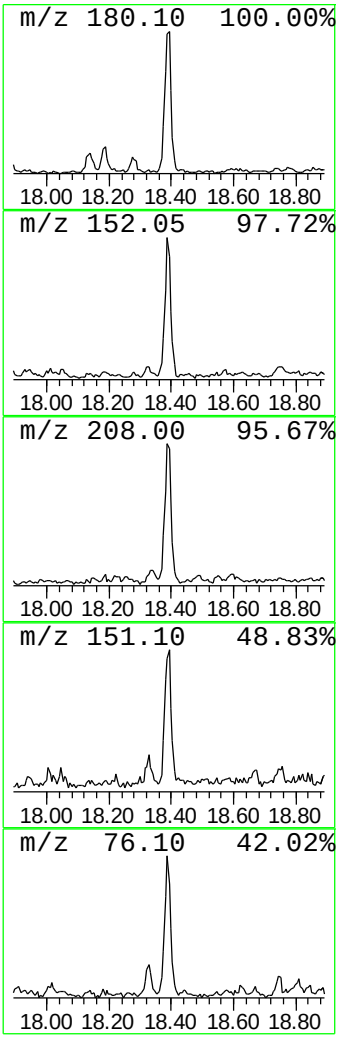
Peak Number 16 Benzo[c]cinnoline Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	7.06 ng/ul	524205	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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Quant Title : SVOA CALIBRATION

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

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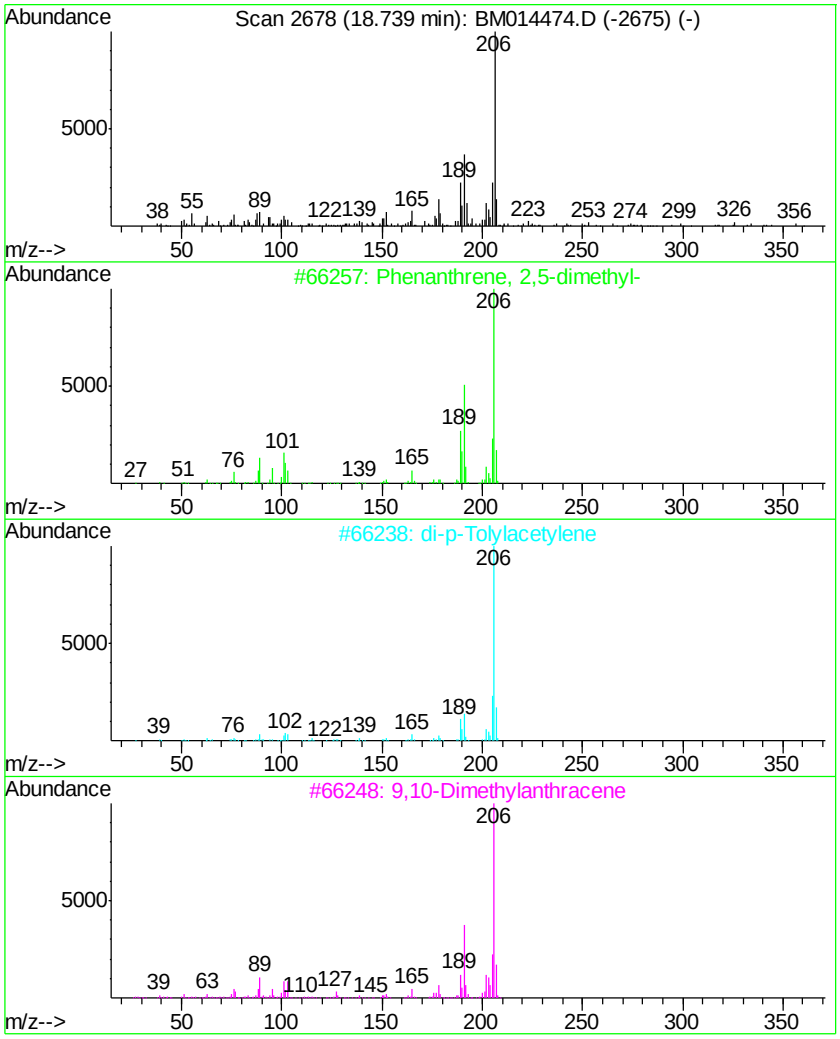
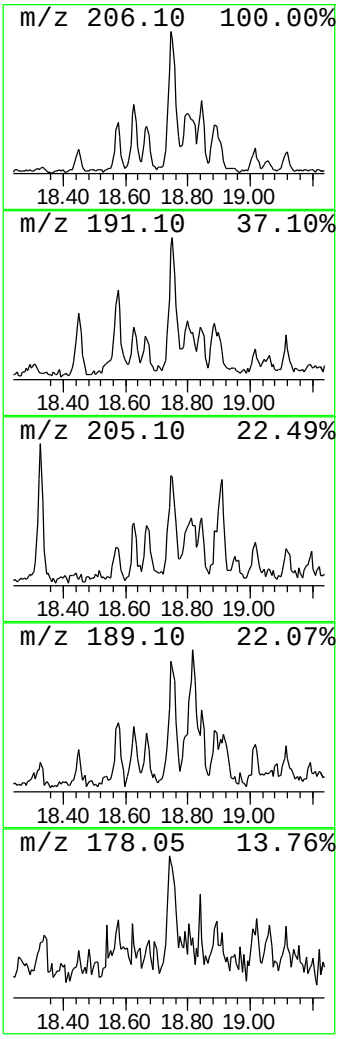
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	6.85 ng/ul	508611	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83





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Quant Title : SVOA CALIBRATION

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

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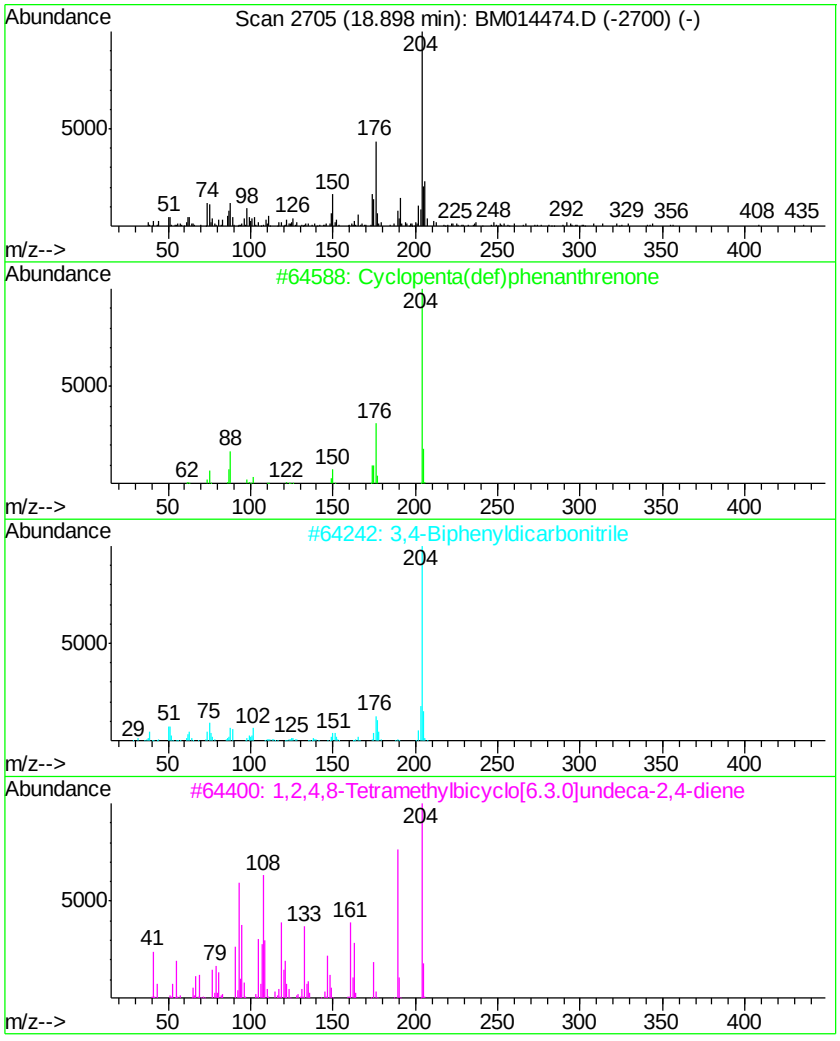
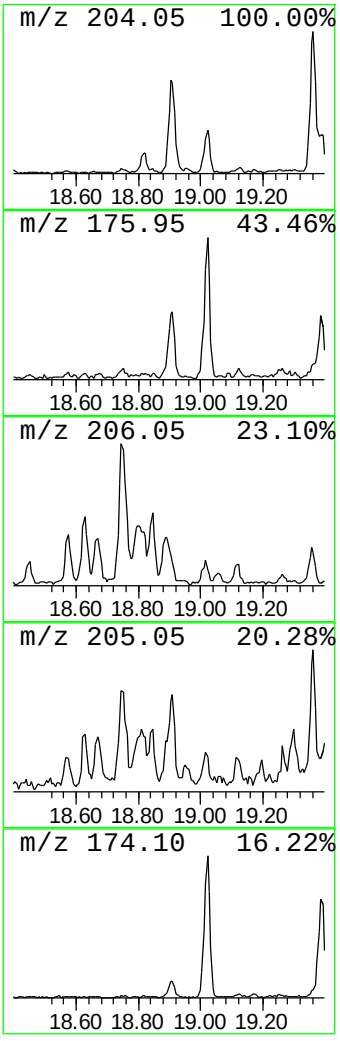
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	6.61 ng/ul	490606	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
4	1,4-Naphthalenedione, 8-hydroxy-...	204	C11H8O4	015254-76-9	50
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





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Quant Title : SVOA CALIBRATION

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

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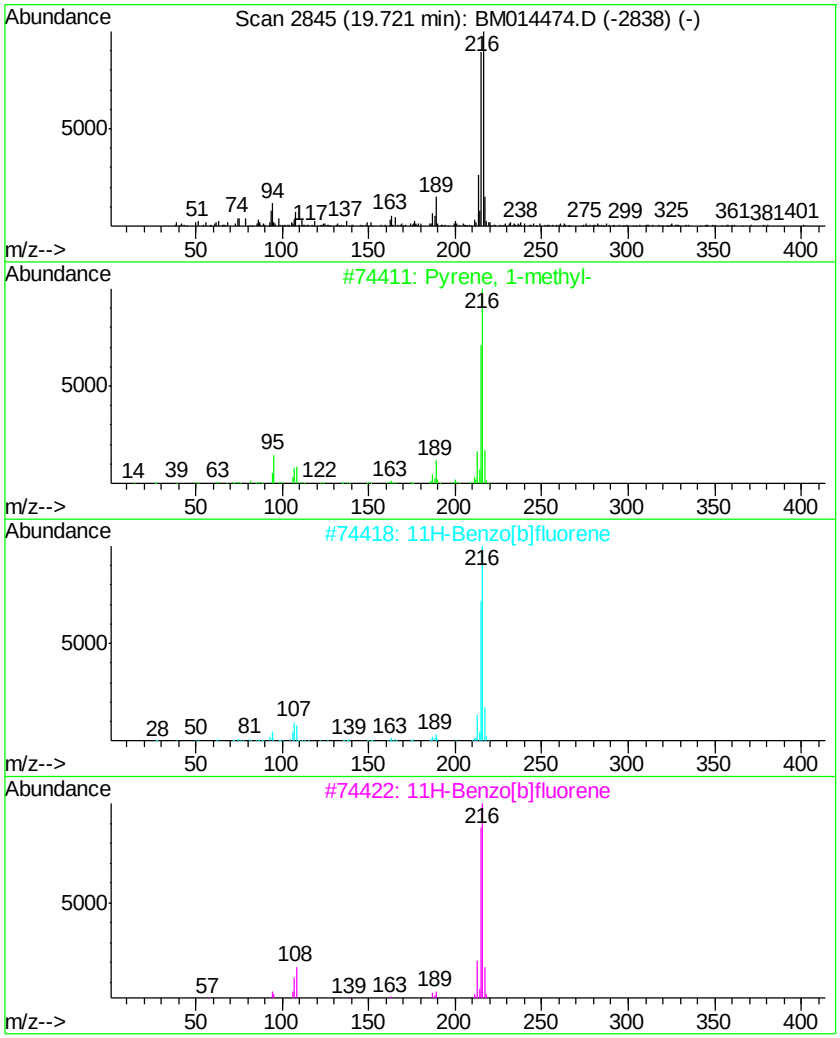
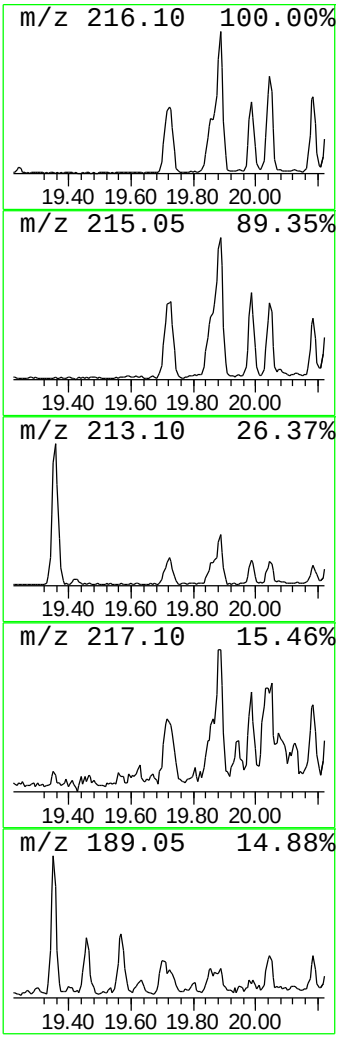
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	3.40 ng/ul	743919	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Misc :
ALS Vial : 8 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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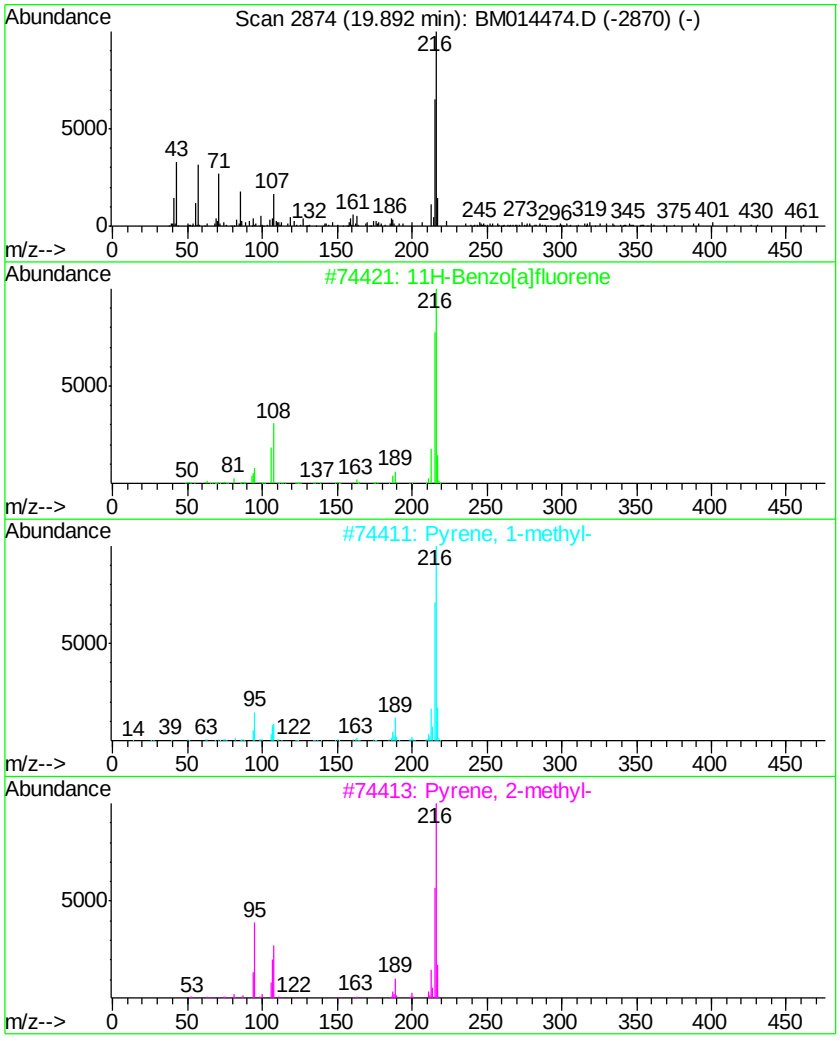
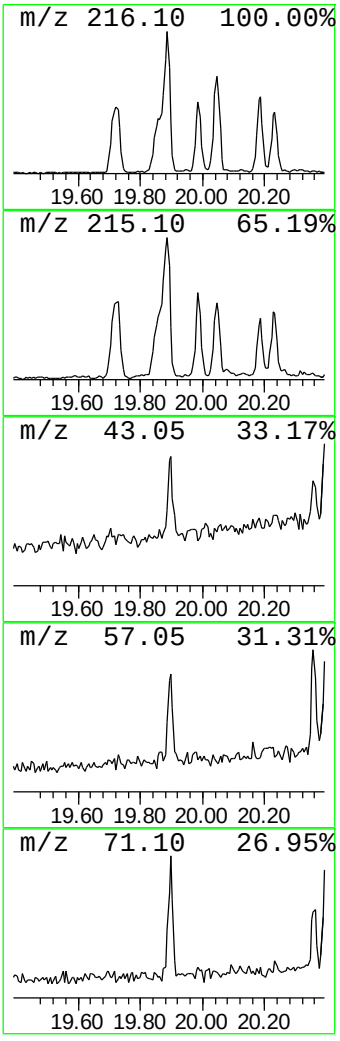
Peak Number 20 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	3.47 ng/ul	759295	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014474.D
Acq On : 05 Mar 2018 15:47
Operator : SJ/JU
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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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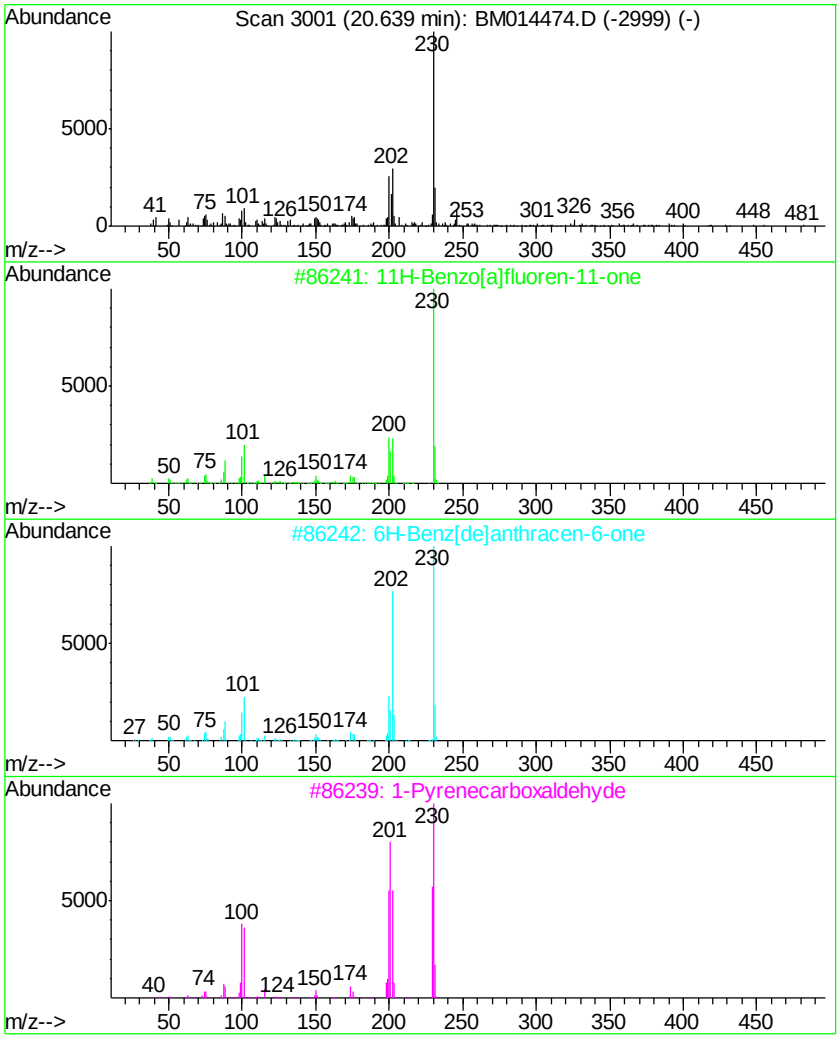
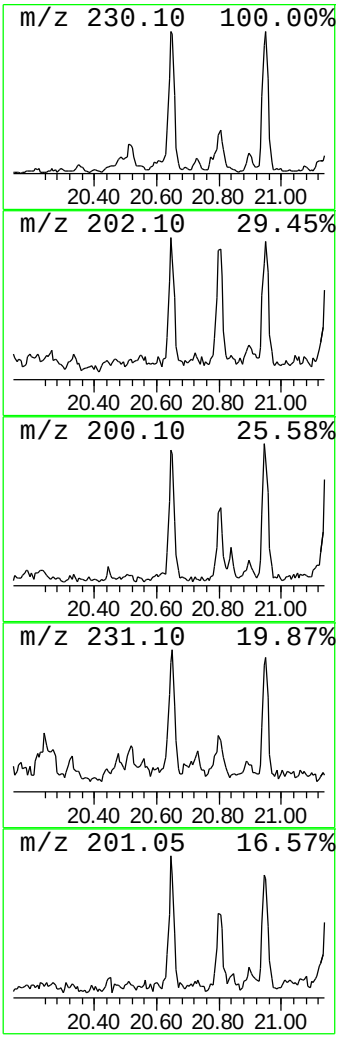
Peak Number 22 11H-Benzo[a]fluoren-11-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	2.37 ng/ul	518814	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	97
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	89
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014474.D
Acq On : 05 Mar 2018 15:47
Operator : SJ/JU
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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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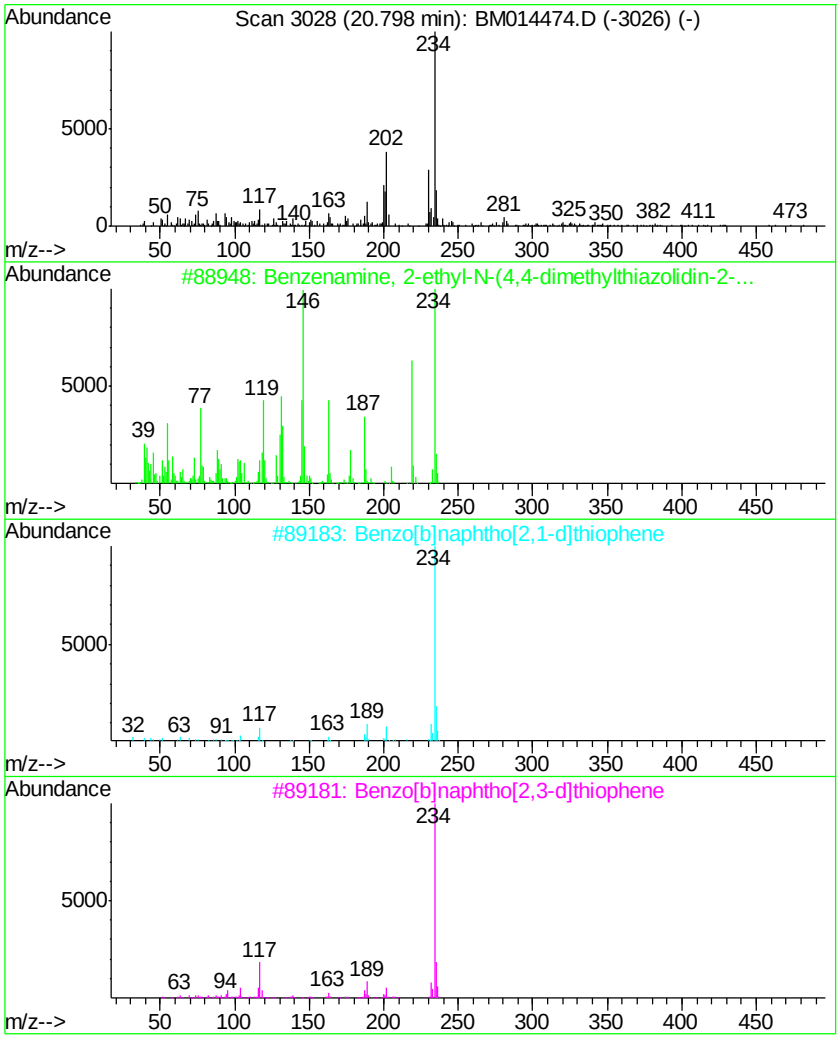
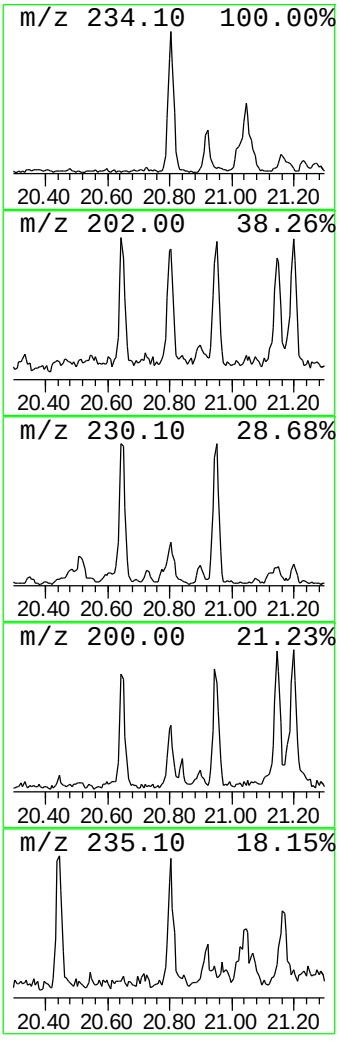
Peak Number 23 Benzenamine, 2-ethyl-N-(4,4... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	2.03 ng/ul	444691	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	90
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	53
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	52





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014474.D
Acq On : 05 Mar 2018 15:47
Operator : SJ/JU
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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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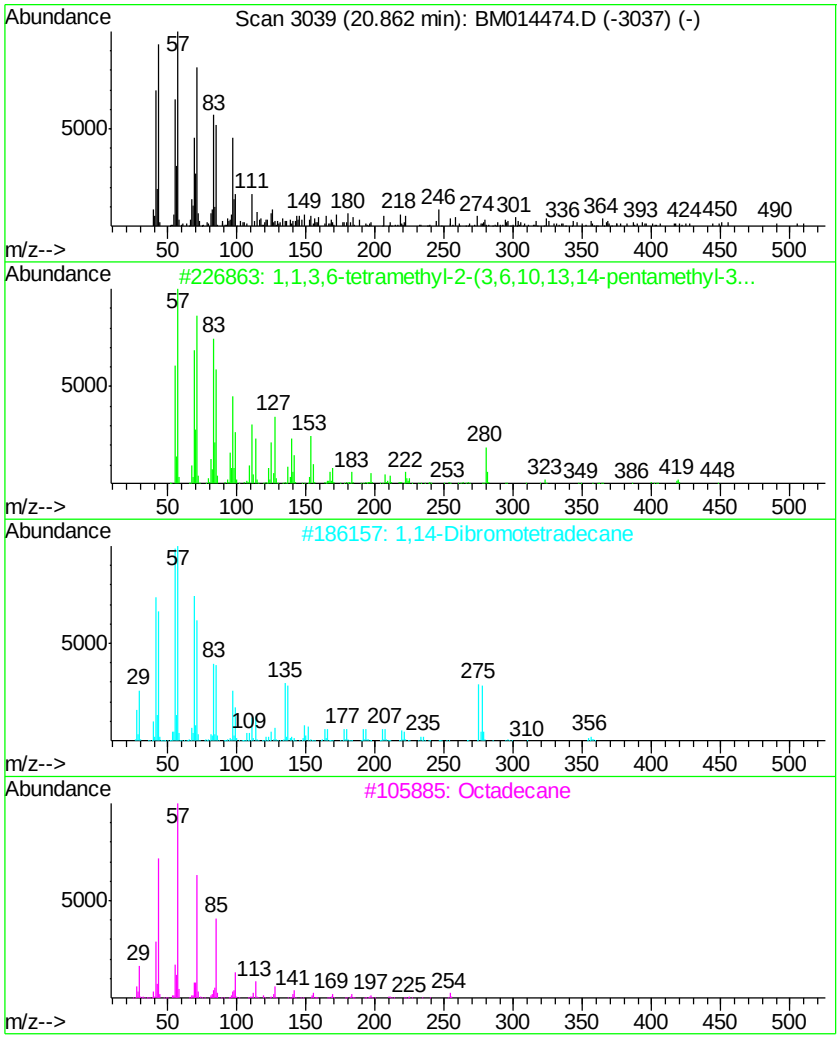
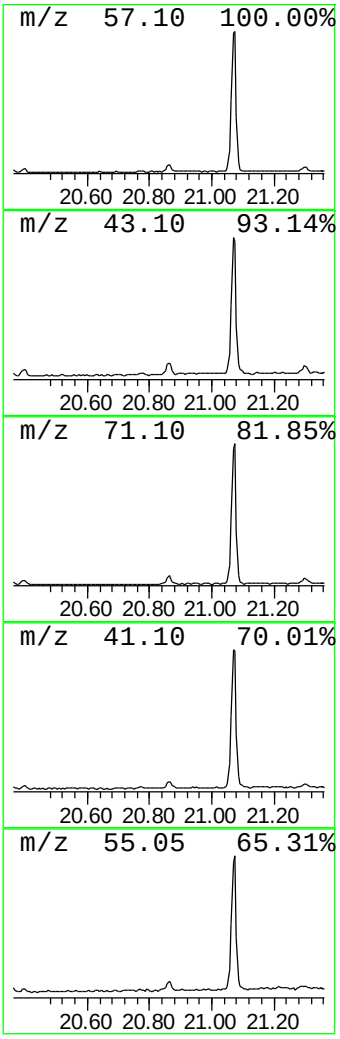
Peak Number 24 (DEL) Alkane: Straight-Chain Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	4.04 ng/ul	883449	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,3,6-tetramethyl-2-(3,6,10,13...	449	C32H64	1000373-94-3	83
2	1,14-Dibromotetradecane	354	C14H28Br2	037688-96-3	72
3	Octadecane	254	C18H38	000593-45-3	49
4	Tridecane	184	C13H28	000629-50-5	46
5	Tricosane	324	C23H48	000638-67-5	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030518\
Data File : BM014474.D
Acq On : 05 Mar 2018 15:47
Operator : SJ/JU
Sample : J1678-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T8

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
Naphthalene, 2,7-...	13.49	2.0	ng/ul	148072	3	14.17	1445620	20.0
Dibenzofuran, 4-m...	15.53	2.5	ng/ul	182776	3	14.17	1445620	20.0
6H-Dibenzo[b,d]-p...	15.69	2.8	ng/ul	204600	4	16.94	1484870	20.0
9H-Fluorene, 9-me...	16.25	2.9	ng/ul	217032	4	16.94	1484870	20.0
9H-Fluoren-9-one	16.61	3.8	ng/ul	281718	4	16.94	1484870	20.0
Naphtho[2,3-b]thi...	16.76	4.0	ng/ul	297049	4	16.94	1484870	20.0
1,4-Bis(trimethyl...	17.14	2.3	ng/ul	168640	4	16.94	1484870	20.0
1,1'-Biphenyl, 2,...	17.54	2.9	ng/ul	214935	4	16.94	1484870	20.0
Phenanthrene, 1-m...	17.82	8.3	ng/ul	614071	4	16.94	1484870	20.0
Phenanthrene, 2-m...	17.87	15.2	ng/ul	1127280	4	16.94	1484870	20.0
4H-Cyclopenta[def...	18.01	14.9	ng/ul	1103150	4	16.94	1484870	20.0
1H-Cyclopropa[l]p...	18.05	6.7	ng/ul	496990	4	16.94	1484870	20.0
5,16[1',2']:8,13[...	18.33	5.8	ng/ul	431821	4	16.94	1484870	20.0
Benzo[c]cinnoline	18.39	7.1	ng/ul	524205	4	16.94	1484870	20.0
Phenanthrene, 2,5...	18.74	6.8	ng/ul	508611	4	16.94	1484870	20.0
Cyclopenta(def)ph...	18.90	6.6	ng/ul	490606	4	16.94	1484870	20.0
Pyrene, 1-methyl-	19.72	3.4	ng/ul	743919	5	21.16	4375890	20.0
11H-Benzo[a]fluorene	19.89	3.5	ng/ul	759295	5	21.16	4375890	20.0
11H-Benzo[a]fluor...	20.64	2.4	ng/ul	518814	5	21.16	4375890	20.0
Benzenamine, 2-et...	20.80	2.0	ng/ul	444691	5	21.16	4375890	20.0
(DEL) Alkane: Str...	20.86	4.0	ng/ul	883449	5	21.16	4375890	20.0