LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014419.D
Acq On : 01 Mar 2018 02:09
Operator : SJ/JU
Sample : J1646-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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	6.716	627	634	650	rBV	442049	973964	9.42%	0.778%
2	6.863	654	659	673	rVB	357042	583758	5.65%	0.467%
3	7.052	684	691	708	rVB	534327	926766	8.96%	0.741%
4	7.510	763	769	779	rBV	325430	586217	5.67%	0.469%
5	8.240	887	893	909	rBV2	620057	1187559	11.49%	0.949%
6	8.675	959	967	979	rBV	561043	1020645	9.87%	0.816%
7	9.387	1080	1088	1100	rBV	524302	979577	9.47%	0.783%
8	9.928	1172	1180	1196	rBV	665802	1332030	12.88%	1.065%
9	10.281	1232	1240	1246	rBV	552577	923654	8.93%	0.738%
10	10.446	1261	1268	1288	rBV	510010	1144360	11.07%	0.915%
11	12.187	1558	1564	1576	rVB	88248	156412	1.51%	0.125%
12	13.345	1753	1761	1769	rBV4	58917	157170	1.52%	0.126%
13	13.487	1780	1785	1790	rBV	110295	197475	1.91%	0.158%
14	13.598	1798	1804	1808	rVV	1578638	2234767	21.61%	1.786%
15	13.645	1808	1812	1818	rVB	385887	557286	5.39%	0.445%
16	13.863	1841	1849	1862	rBV2	1821051	3134138	30.31%	2.505%
17	14.175	1891	1902	1908	rBV2	905193	1439673	13.92%	1.151%
18	14.239	1908	1913	1918	rVV	261091	384929	3.72%	0.308%
19	14.439	1941	1947	1960	rBV2	403710	938973	9.08%	0.751%
20	14.581	1966	1971	1977	rVV	382467	565809	5.47%	0.452%
21	15.033	2045	2048	2055	rVB3	106855	164311	1.59%	0.131%
22	15.175	2066	2072	2077	rBV	2259495	3163405	30.60%	2.529%
23	15.233	2077	2082	2093	rVB	441930	746840	7.22%	0.597%
24	15.339	2093	2100	2107	rBV2	662076	1172528	11.34%	0.937%
25	15.533	2127	2133	2141	rVB2	204143	413924	4.00%	0.331%
26	15.675	2148	2157	2165	rVV2	221352	484226	4.68%	0.387%
27	15.904	2190	2196	2204	rVB4	104918	214984	2.08%	0.172%
28	16.239	2247	2253	2258	rBV4	109283	214798	2.08%	0.172%
29	16.469	2284	2292	2296	rBV3	124396	230755	2.23%	0.184%
30	16.598	2309	2314	2320	rVB	328073	472305	4.57%	0.378%
31	16.669	2320	2326	2327	rBV	134312	180885	1.75%	0.145%
32	16.751	2334	2340	2349	rVB	335847	540500	5.23%	0.432%
33	16.933	2365	2371	2374	rBV	1271681	1777504	17.19%	1.421%
34	16.980	2374	2379	2384	rVV	6753562	9191981	88.91%	7.347%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : BE5X4

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	17.033	2384	2388	2392	rVV	2688120	3942953	38.14%	3.152%
36	17.069	2392	2394	2400	rVV	996472	1204749	11.65%	0.963%
37	17.351	2434	2442	2454	rBV2	323643	796882	7.71%	0.637%
38	17.457	2456	2460	2467	rVV3	140533	263145	2.55%	0.210%
39	17.533	2467	2473	2479	rVB6	110081	240049	2.32%	0.192%
40	17.810	2514	2520	2524	rVV	652597	979248	9.47%	0.783%
41	17.857	2524	2528	2536	rVV	886134	1457080	14.09%	1.165%
42	17.939	2536	2542	2547	rVV	272928	410541	3.97%	0.328%
43	18.004	2547	2553	2557	rVV2	772479	1383644	13.38%	1.106%
44	18.045	2557	2560	2565	rVB	420861	564868	5.46%	0.451%
45	18.127	2570	2574	2578	rBV3	103516	144758	1.40%	0.116%
46	18.316	2602	2606	2612	rBV	486759	687100	6.65%	0.549%
47	18.374	2612	2616	2623	rVB	540368	721812	6.98%	0.577%
48	18.569	2642	2649	2654	rBV3	133080	251284	2.43%	0.201%
49	18.616	2654	2657	2661	rVB2	120098	139156	1.35%	0.111%
50	18.657	2661	2664	2669	rVB2	127141	169796	1.64%	0.136%
51	18.739	2671	2678	2682	rBV	286942	505026	4.88%	0.404%
52	18.804	2684	2689	2692	rVV4	151880	288411	2.79%	0.231%
53	18.833	2692	2694	2698	rVB	136622	144369	1.40%	0.115%
54	18.892	2698	2704	2711	rVB2	371475	688999	6.66%	0.551%
55	19.010	2715	2724	2731	rBV	7748381	10339047	100.00%	8.264%
56	19.110	2738	2741	2746	rBV3	127256	190800	1.85%	0.153%
57	19.163	2746	2750	2755	rVB	299250	414210	4.01%	0.331%
58	19.251	2755	2765	2768	rBV3	275634	630302	6.10%	0.504%
59	19.345	2775	2781	2784	rBV2	4205633	6586528	63.71%	5.265%
60	19.380	2784	2787	2794	rVV	6510504	7892005	76.33%	6.308%
61	19.451	2794	2799	2805	rVB2	312780	522139	5.05%	0.417%
62	19.557	2812	2817	2822	rVB	401829	514164	4.97%	0.411%
63	19.627	2824	2829	2834	rVB	249483	406687	3.93%	0.325%
64	19.698	2836	2841	2843	rBV2	380231	625071	6.05%	0.500%
65	19.839	2860	2865	2866	rBV3	303981	398931	3.86%	0.319%
66	19.874	2868	2871	2877	rVB2	547563	785727	7.60%	0.628%
67	19.974	2885	2888	2892	rBV	199425	263714	2.55%	0.211%
68	20.033	2892	2898	2903	rBV2	502766	883349	8.54%	0.706%
69	20.174	2918	2922	2925	rBV	304955	379231	3.67%	0.303%
70	20.221	2925	2930	2934	rVV2	310385	431626	4.17%	0.345%
71	20.633	2996	3000	3007	rBV	627321	843073	8.15%	0.674%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : BE5X4

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

72	20.792	3023	3027	3030	rBV	542561	671130	6.49%	0.536%
73	20.833	3030	3034	3037	rVV	490533	649823	6.29%	0.519%
74	20.868	3037	3040	3048	rVV3	624335	1130544	10.93%	0.904%
75	20.933	3048	3051	3057	rVB	638796	823489	7.96%	0.658%
76	21.039	3061	3069	3070	rBV	154329	333606	3.23%	0.267%
77	21.062	3070	3073	3077	rVB	277877	338971	3.28%	0.271%
78	21.139	3077	3086	3091	rBV2	3671955	7472697	72.28%	5.973%
79	21.186	3091	3094	3104	rVB	2815743	3650962	35.31%	2.918%
80	21.304	3110	3114	3120	rBV	298471	398721	3.86%	0.319%
81	21.362	3121	3124	3127	rVV2	319017	426111	4.12%	0.341%
82	21.398	3128	3130	3133	rVV2	252176	364643	3.53%	0.291%
83	21.474	3137	3143	3146	rVV3	288017	469583	4.54%	0.375%
84	21.510	3147	3149	3153	rVB4	118139	142555	1.38%	0.114%
85	21.639	3168	3171	3174	rBV2	155210	186737	1.81%	0.149%
86	21.692	3176	3180	3184	rVV	494497	682232	6.60%	0.545%
87	21.745	3186	3189	3195	rVB	208782	335770	3.25%	0.268%
88	21.886	3209	3213	3215	rBV3	227433	314573	3.04%	0.251%
89	22.174	3258	3262	3266	rBV7	243529	361011	3.49%	0.289%
90	22.445	3303	3308	3312	rBV4	212152	369042	3.57%	0.295%
91	22.686	3342	3349	3353	rBV	1989524	4293600	41.53%	3.432%
92	22.845	3371	3376	3381	rBV2	363042	599775	5.80%	0.479%
93	23.139	3421	3426	3430	rBV	1022556	1766118	17.08%	1.412%
94	23.192	3430	3435	3439	rVV2	2634752	4686698	45.33%	3.746%
95	23.233	3439	3442	3449	rVB	1907371	2915293	28.20%	2.330%
96	23.327	3452	3458	3462	rBV	1140975	2064520	19.97%	1.650%
97	23.368	3462	3465	3476	rVB	458655	890638	8.61%	0.712%
98	24.503	3655	3658	3665	rVB4	139015	265311	2.57%	0.212%
99	25.492	3817	3826	3835	rVB3	749743	2040281	19.73%	1.631%
100	26.145	3933	3937	3950	rVB2	363678	980904	9.49%	0.784%

Sum of corrected areas: 125109920

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014419.D
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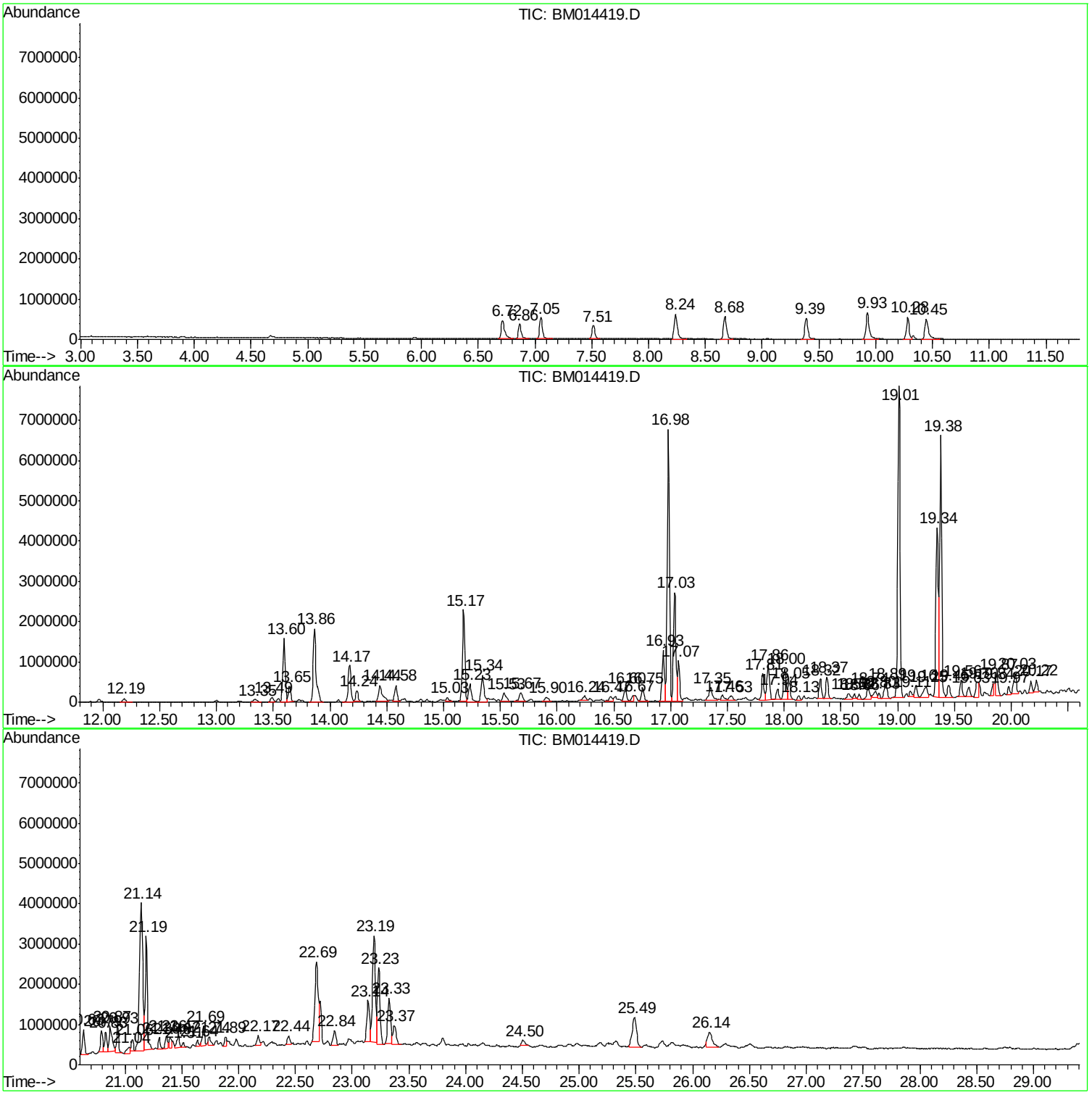
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE5X4

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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TIC Integration Parameters: LSCINT.P

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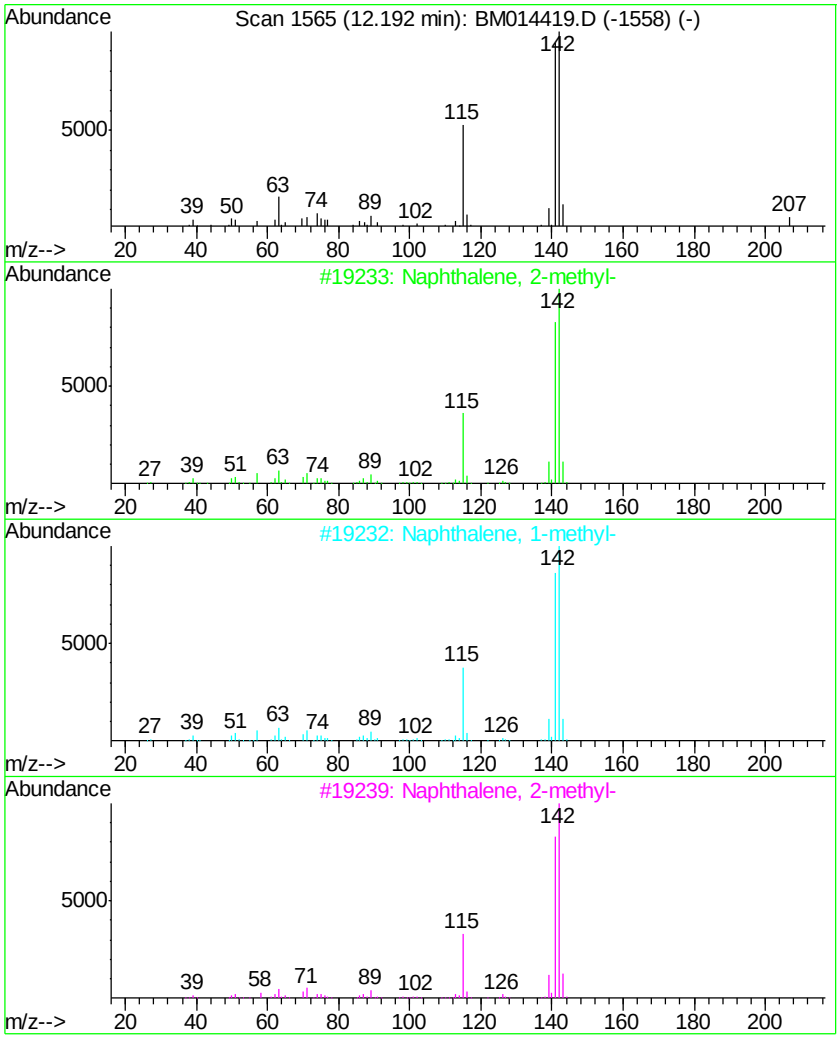
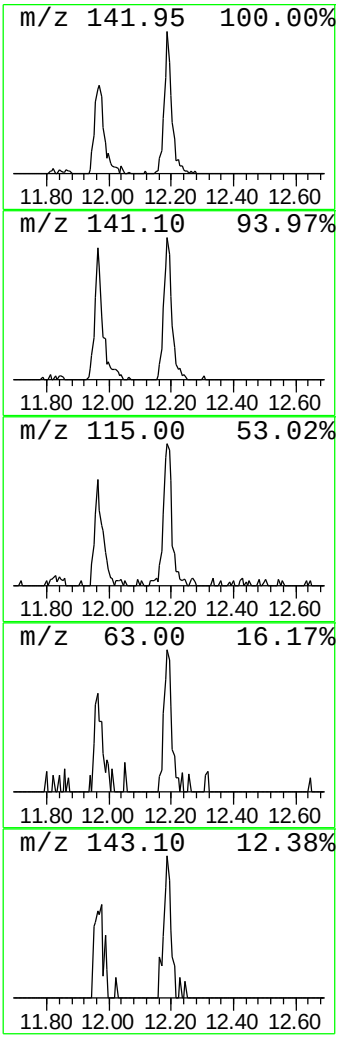
Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.39 ng/ul	156412	Naphthalene-d8	10.28

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
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Operator : SJ/JU
Sample : J1646-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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

TIC Library : C:\DATABASE\NIST11.L
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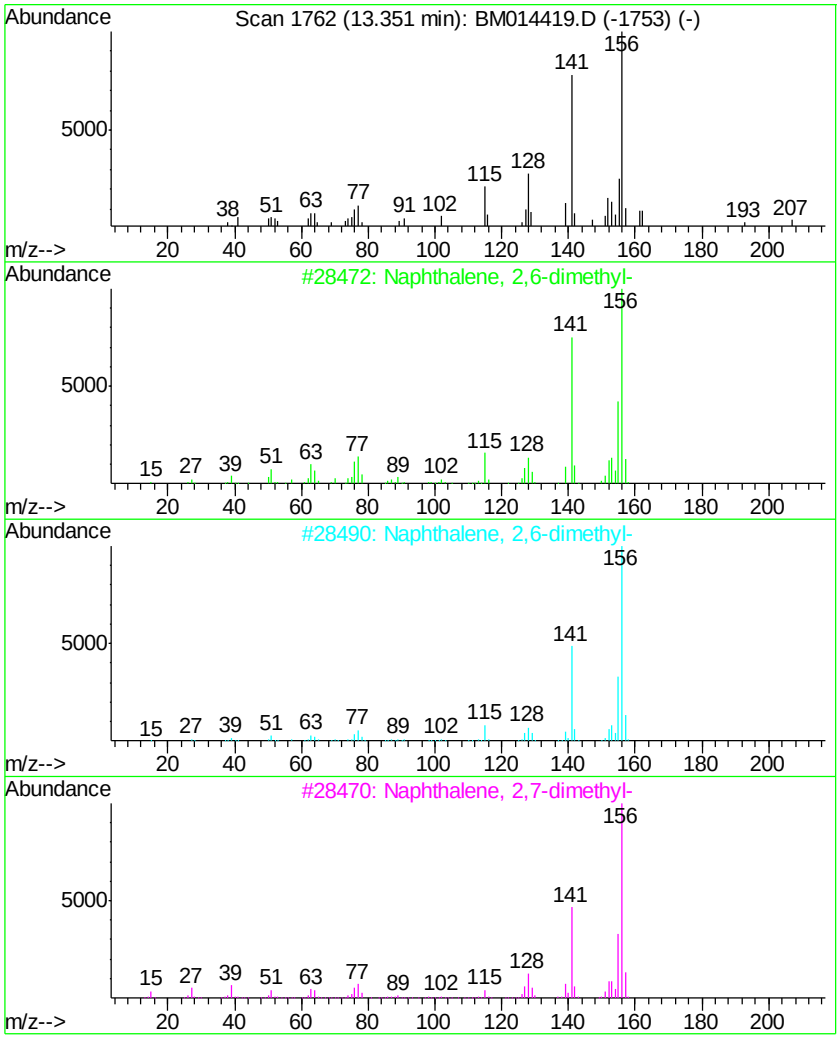
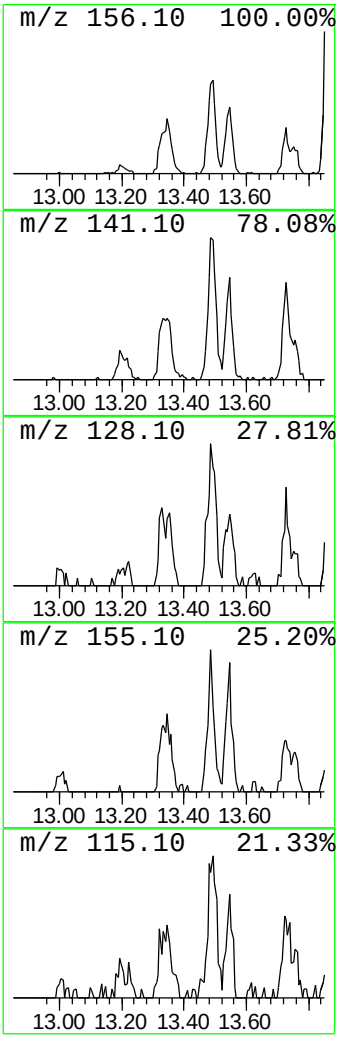
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	2.18 ng/ul	157170	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93





Library Search Compound Report

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Sample : J1646-10
Misc :
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Instrument : BNA_M
ClientSampleId : BE5X4

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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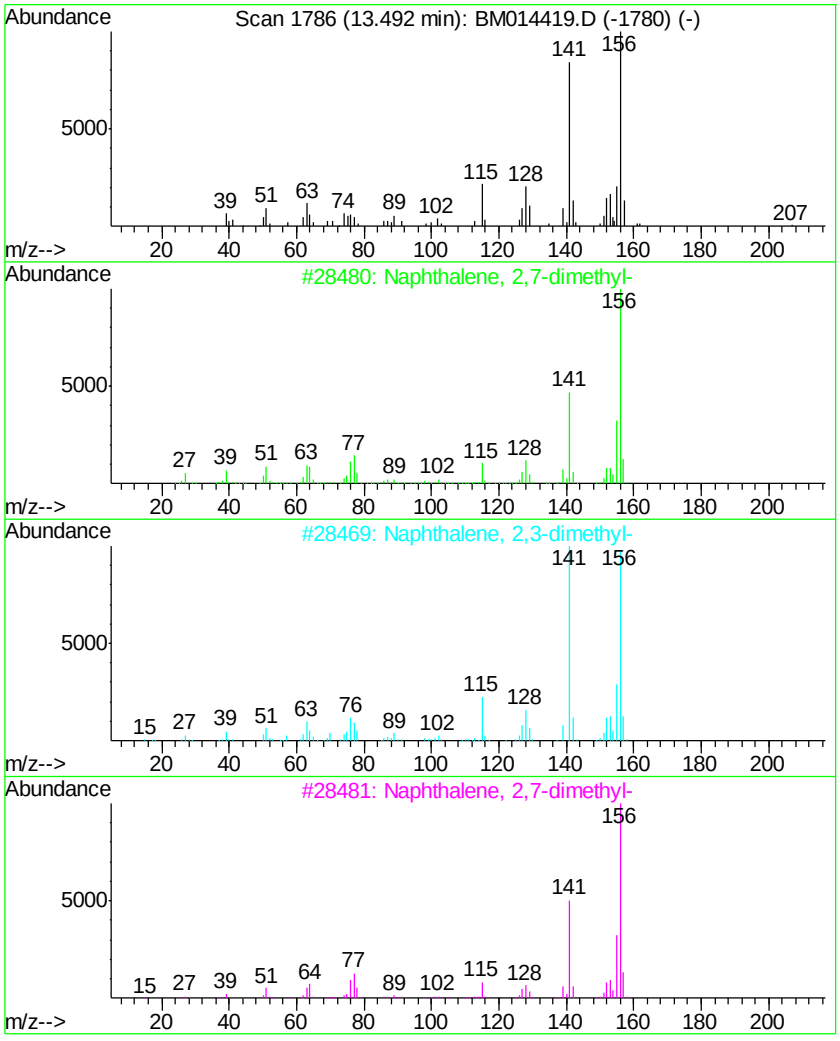
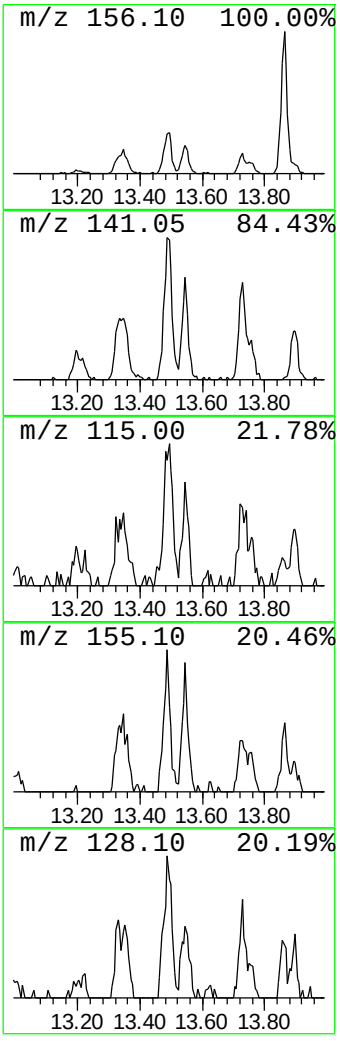
Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.74 ng/ul	197475	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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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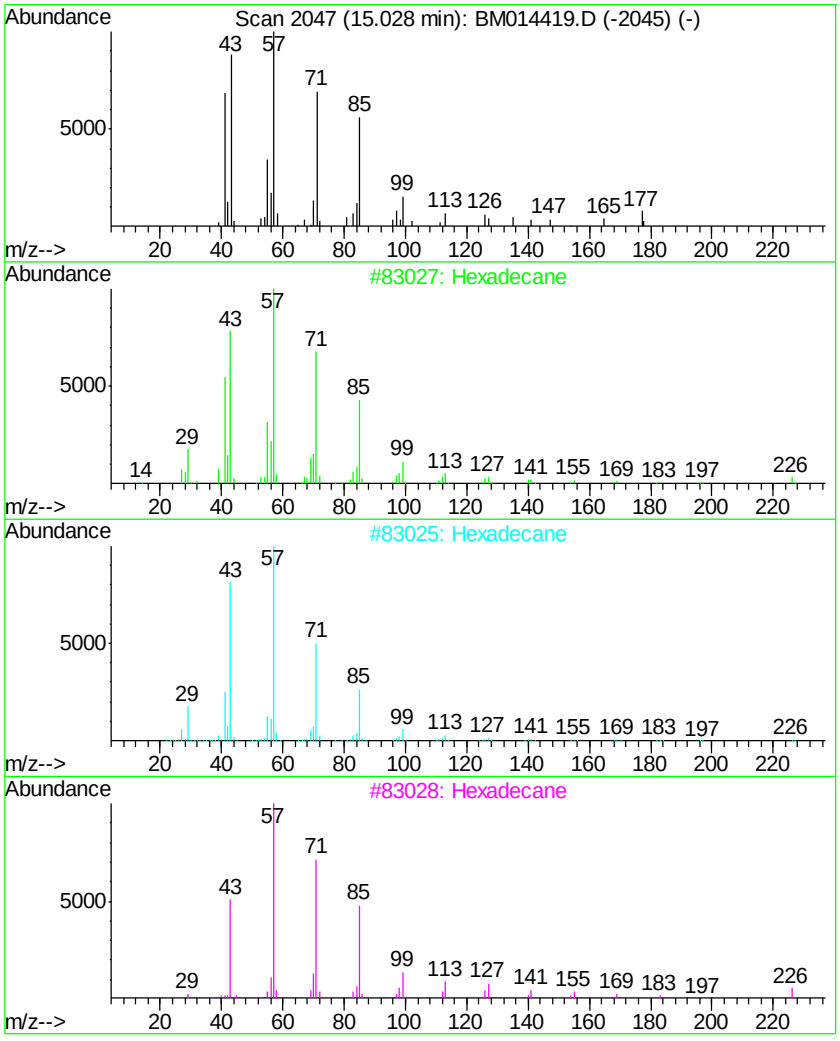
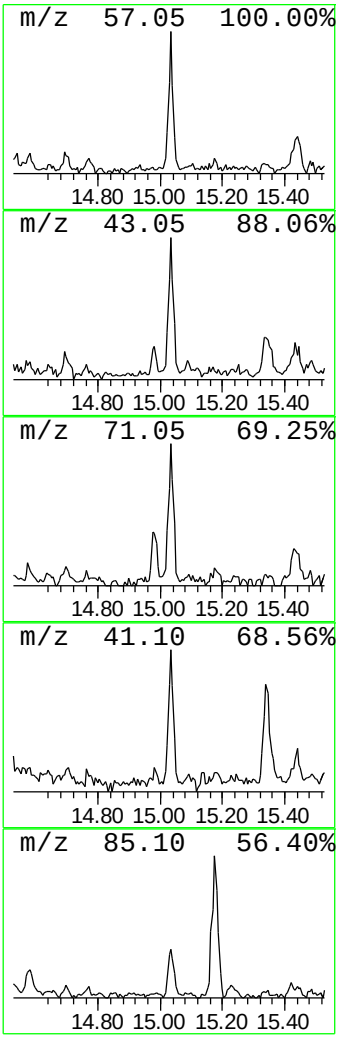
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	2.28 ng/ul	164311	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	89
2	Hexadecane	226	C16H34	000544-76-3	89
3	Hexadecane	226	C16H34	000544-76-3	81
4	Hexadecane	226	C16H34	000544-76-3	76
5	Tetradecane	198	C14H30	000629-59-4	74





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Operator : SJ/JU
Sample : J1646-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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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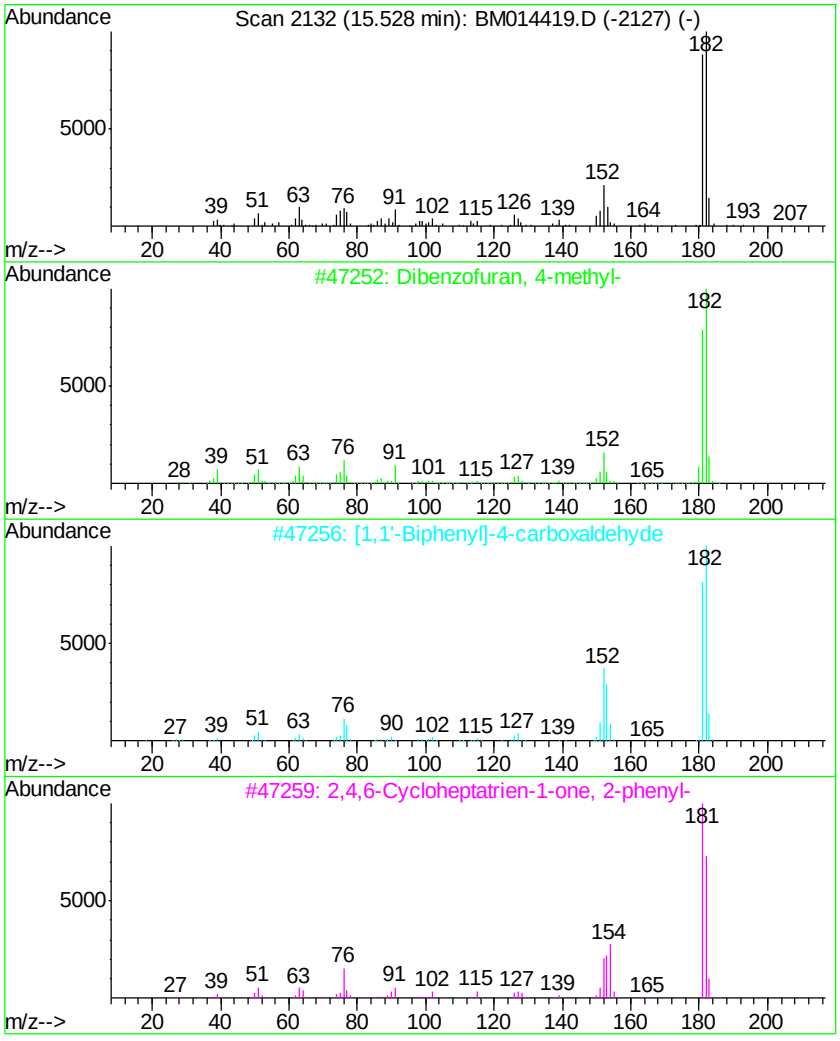
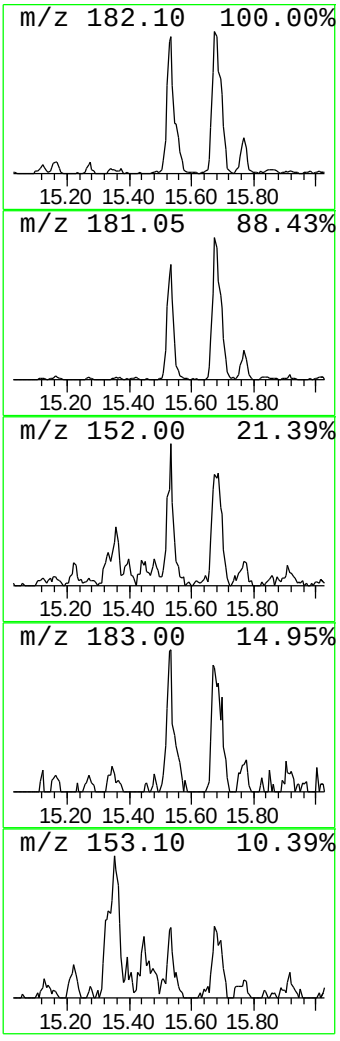
Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	5.75 ng/ul	413924	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	72





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Operator : SJ/JU
Sample : J1646-10
Misc :
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Instrument : BNA_M
ClientSampleId : BE5X4

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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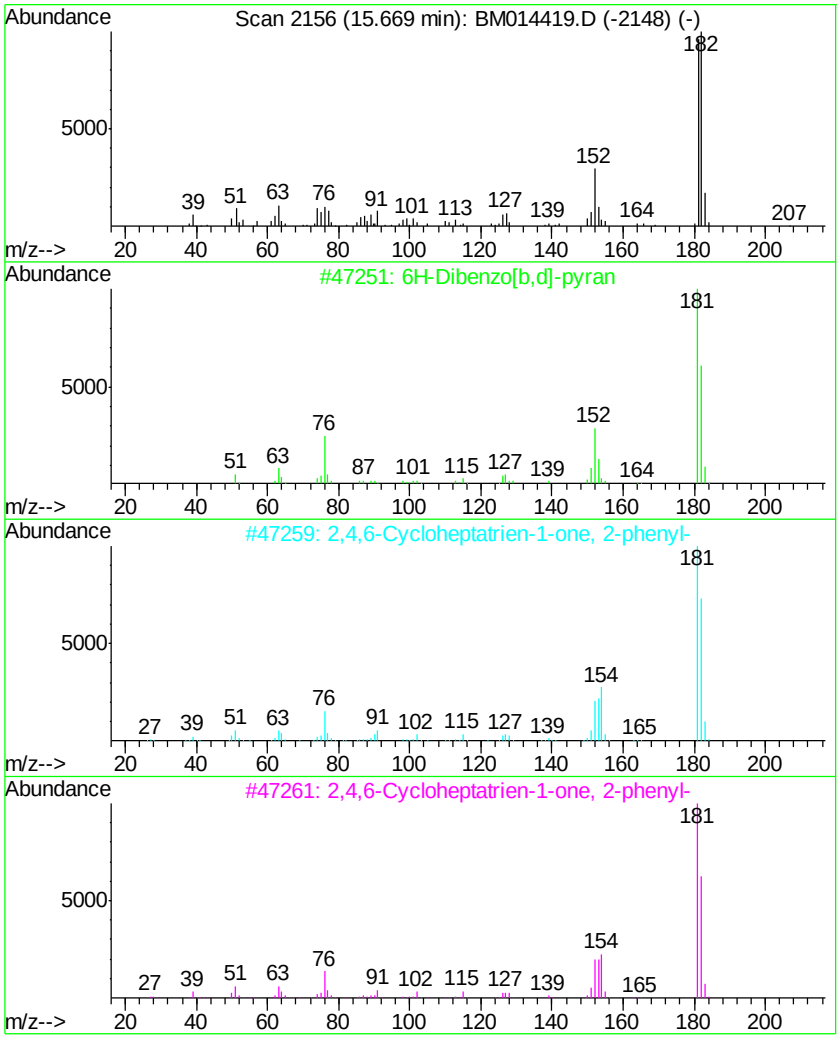
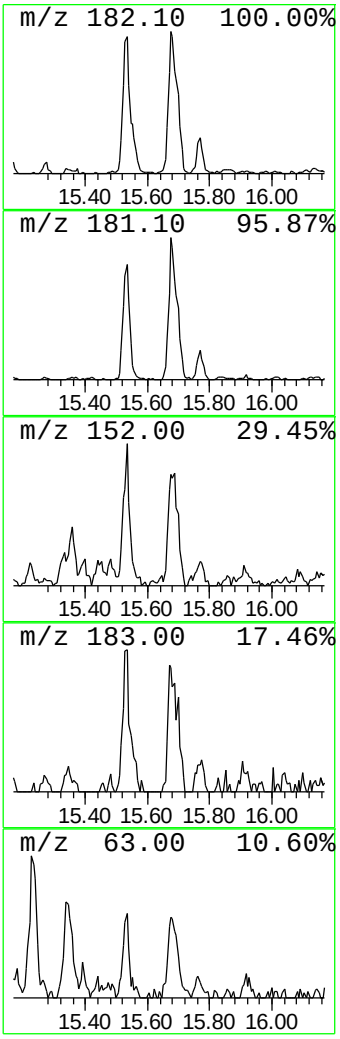
Peak Number 6 6H-Dibenzo[b,d]-pyran Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	5.45 ng/ul	484226	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





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ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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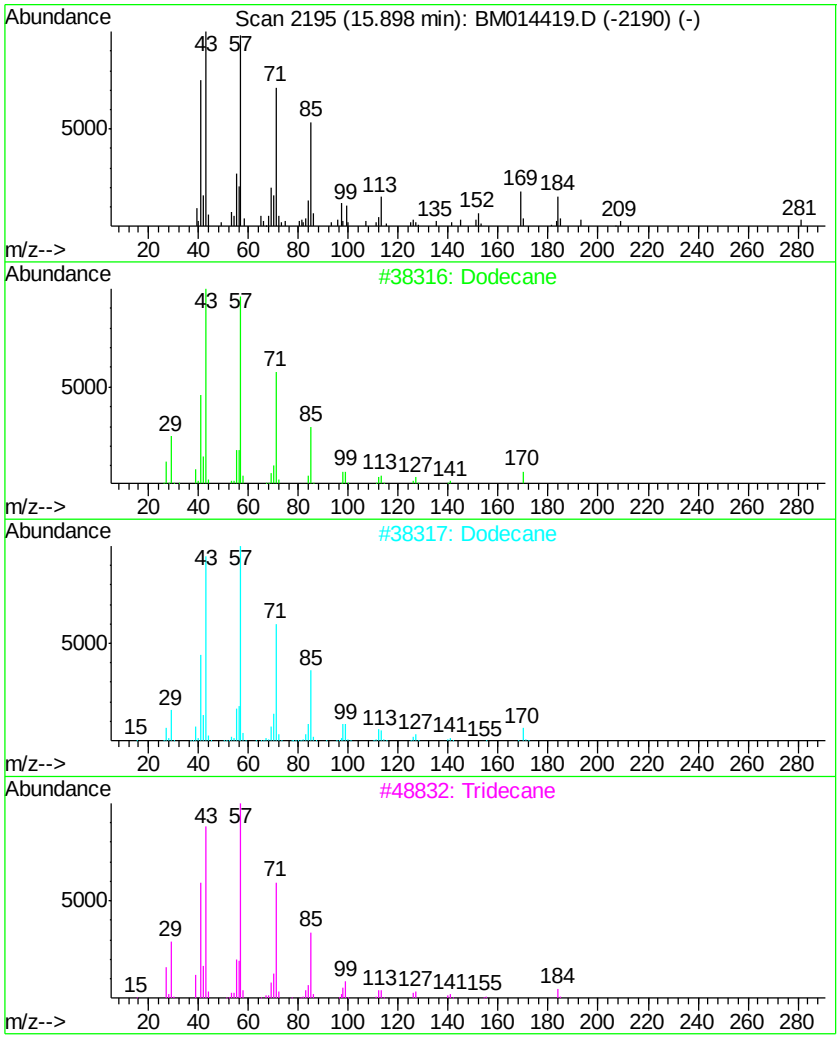
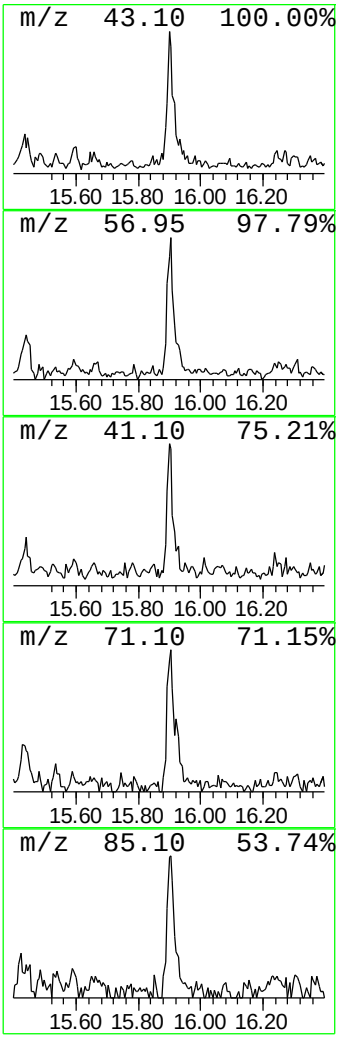
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	2.42 ng/ul	214984	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	70
2	Dodecane	170	C12H26	000112-40-3	70
3	Tridecane	184	C13H28	000629-50-5	64
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
5	Nonadecane	268	C19H40	000629-92-5	62





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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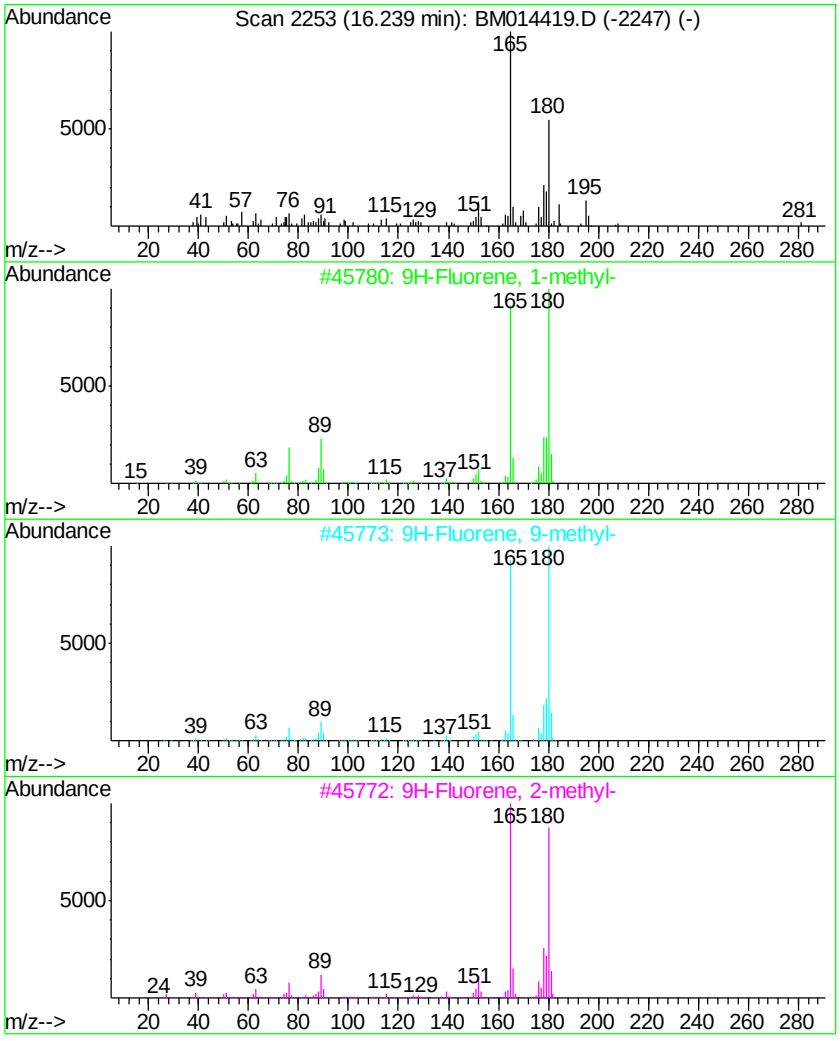
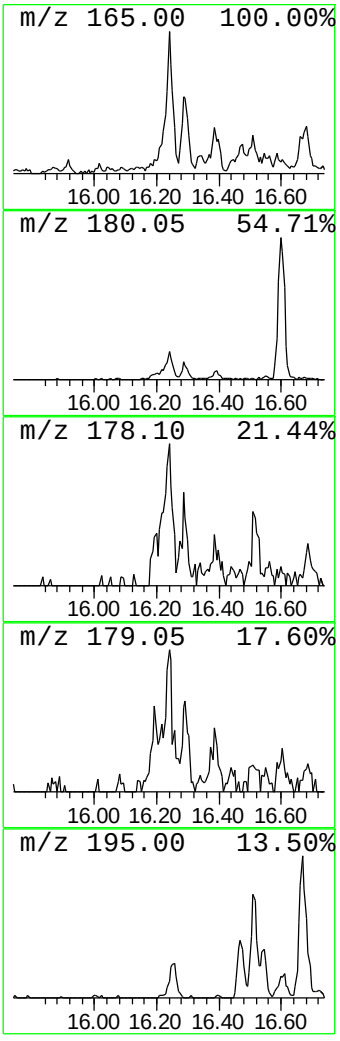
Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	2.42 ng/ul	214798	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	62
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	52
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	52
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	50





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ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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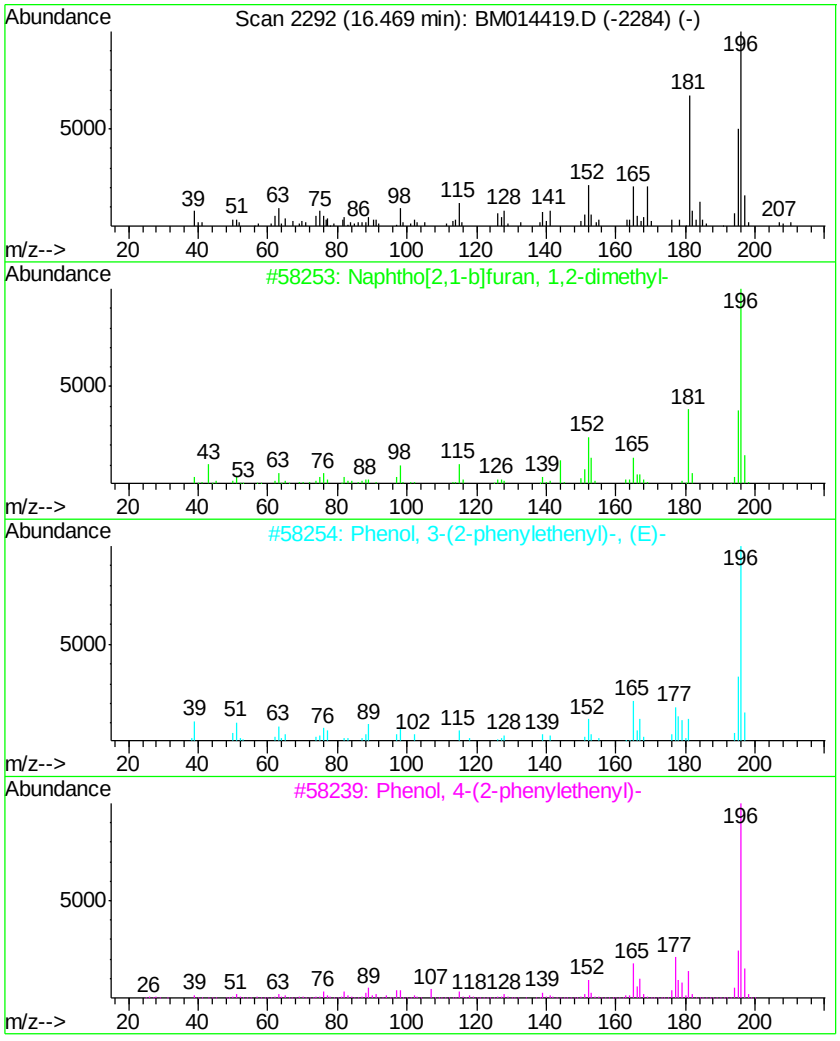
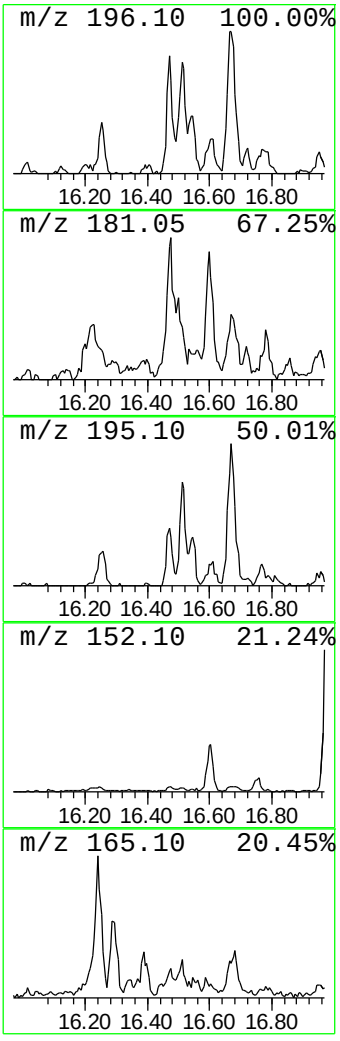
Peak Number 9 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	2.60 ng/ul	230755	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	58
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
4	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	47
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	47





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Quant Title : SVOA CALIBRATION

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

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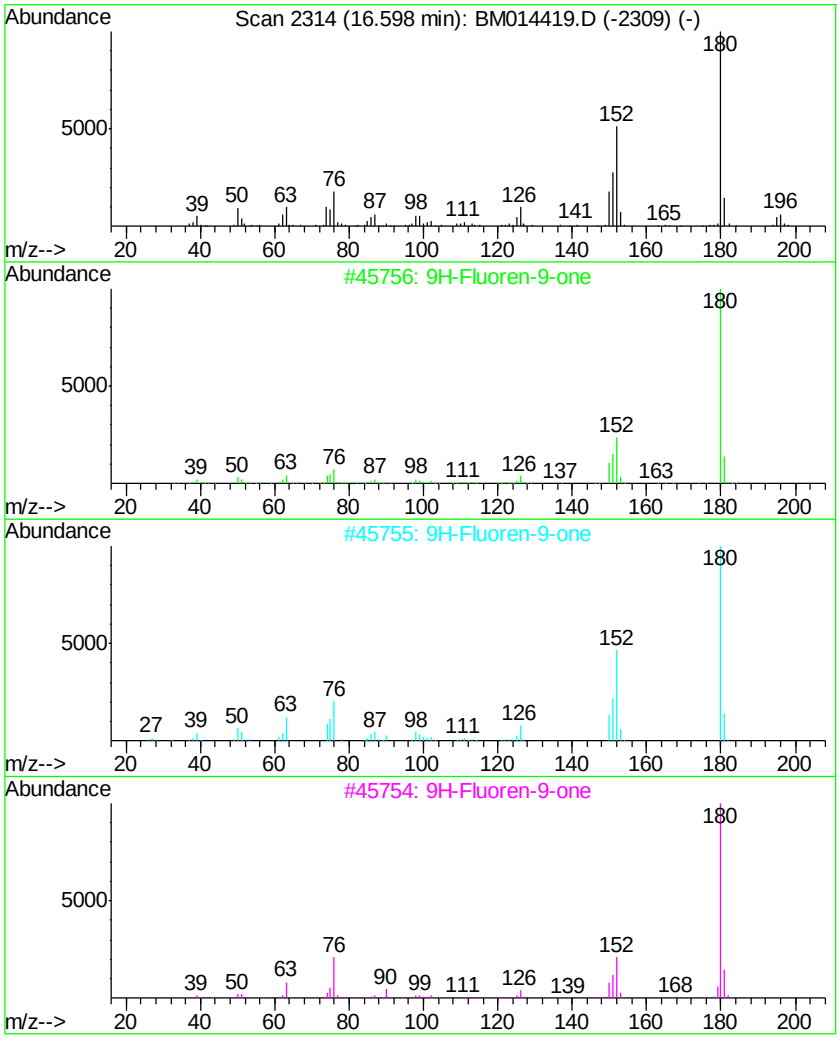
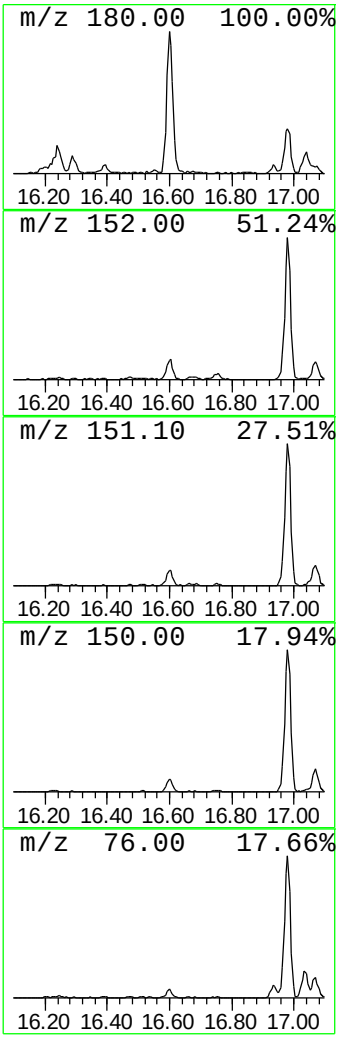
Peak Number 10 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	5.31 ng/ul	472305	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91





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Quant Title : SVOA CALIBRATION

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

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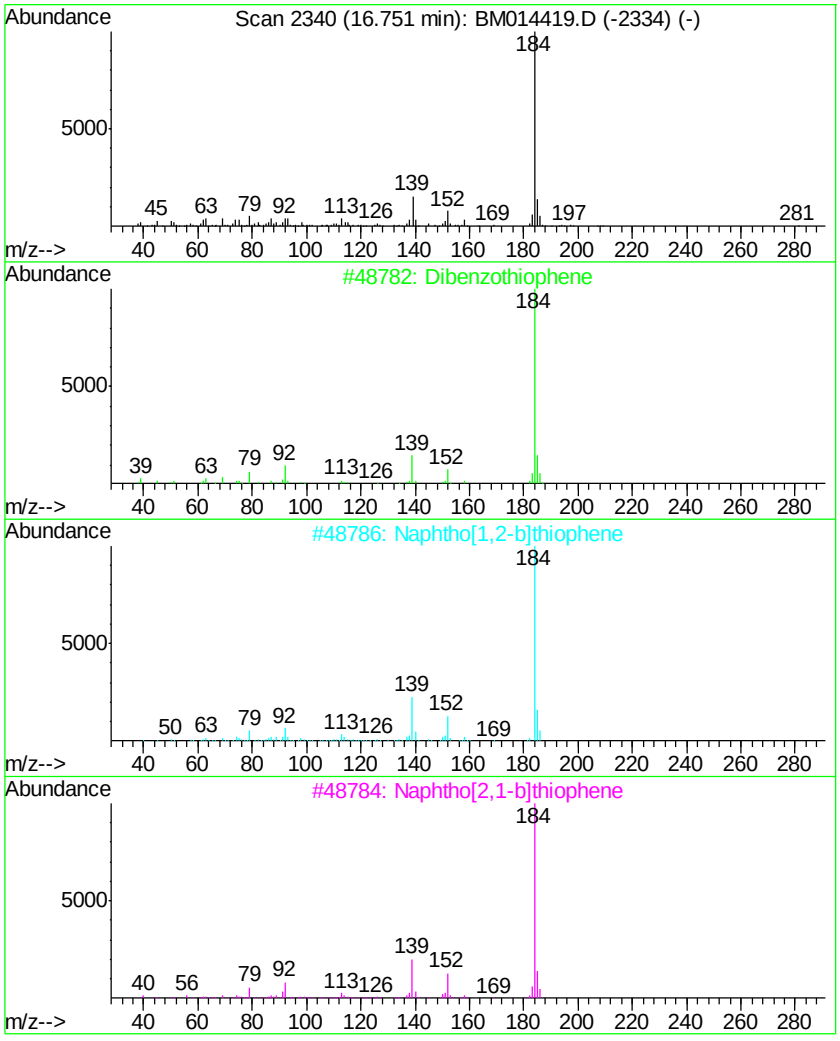
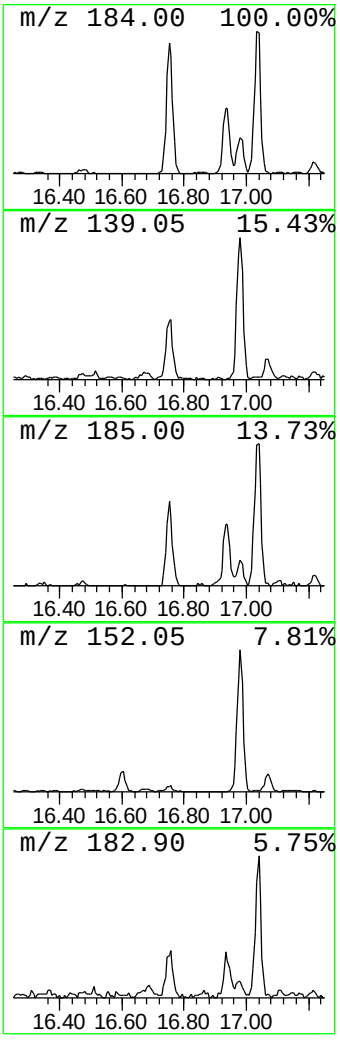
Peak Number 12 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	6.08 ng/ul	540500	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Instrument : BNA_M
ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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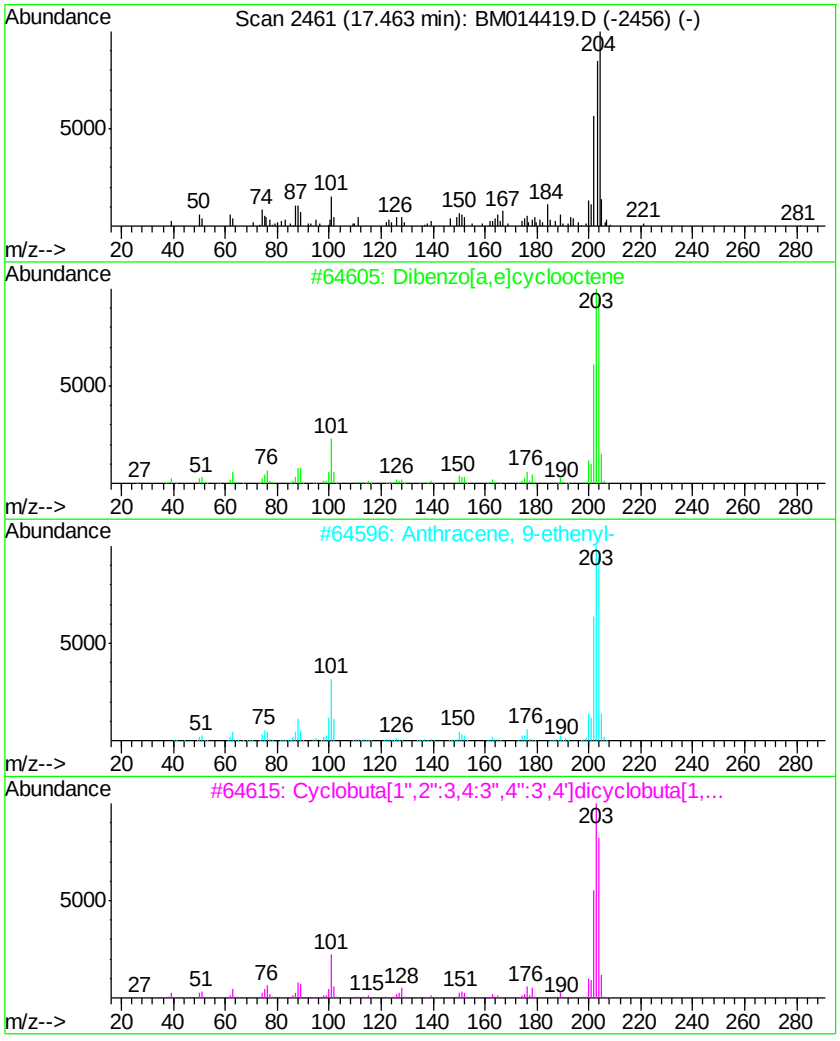
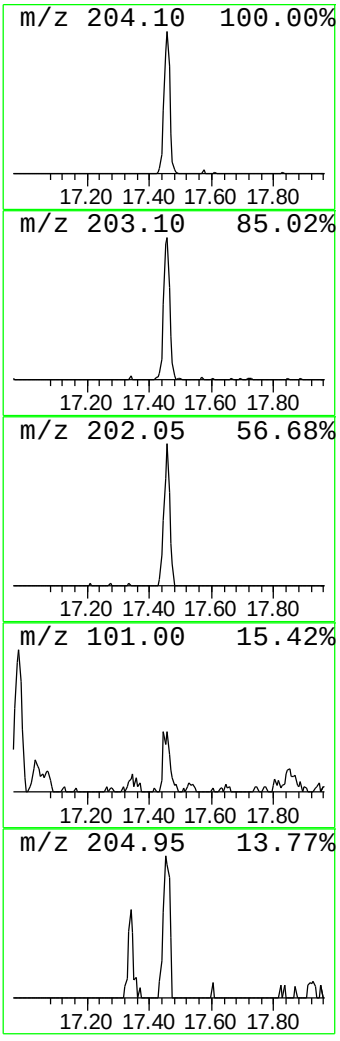
Peak Number 13 Dibenzo[a,e]cyclooctene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	2.96 ng/ul	263145	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	95
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	86
3	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	76
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	68





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Quant Title : SVOA CALIBRATION

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

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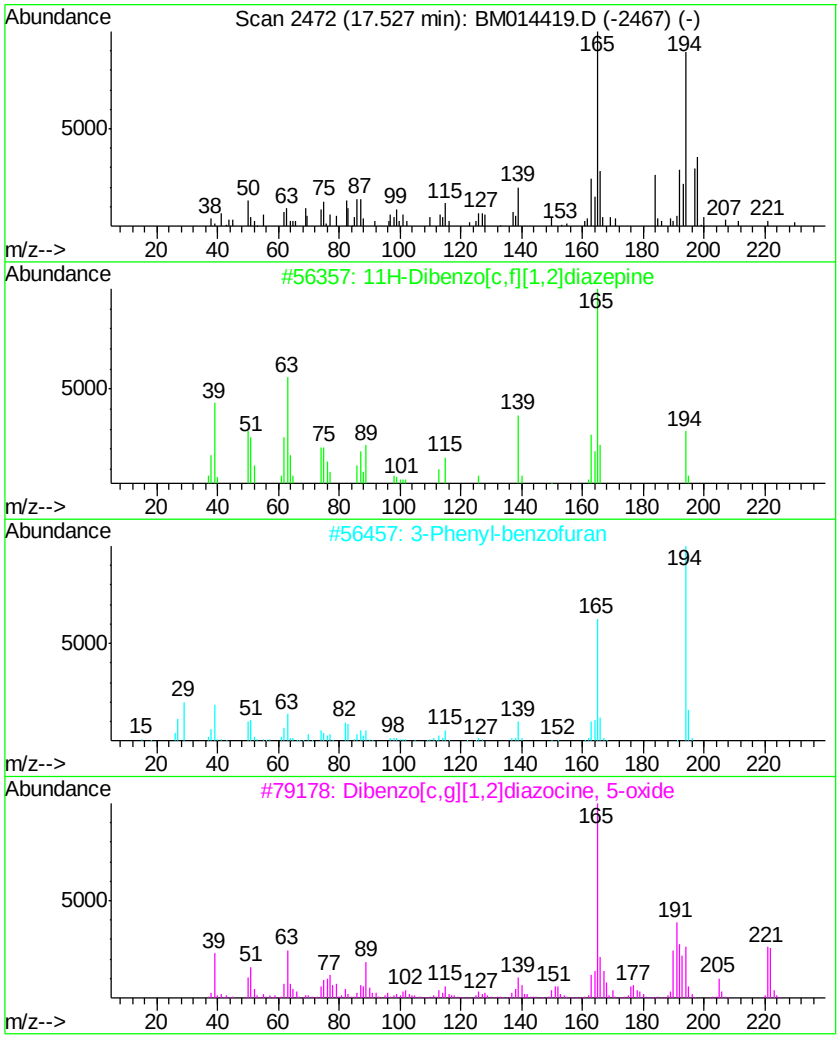
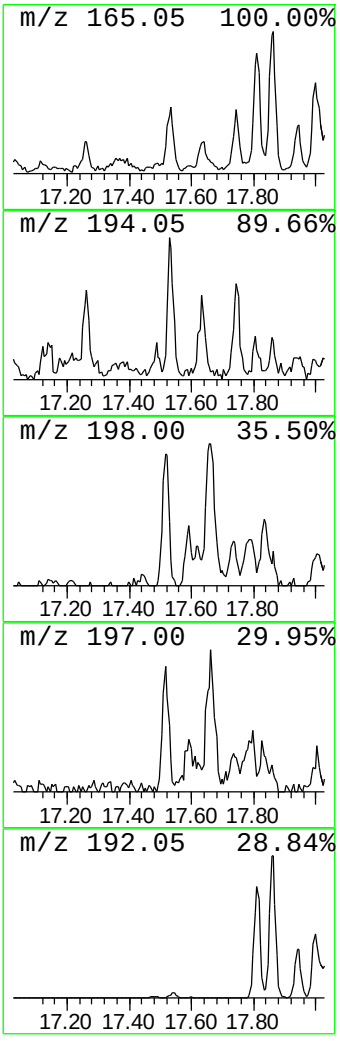
Peak Number 14 11H-Dibenzo[c,f][1,2]diazepine Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	2.70 ng/ul	240049	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[c,f][1,2]diazepine	194	C13H10N2	000256-91-7	64
2	3-Phenyl-benzofuran	194	C14H10O	029909-72-6	55
3	Dibenzo[c,g][1,2]diazocine, 5-oxide	222	C14H10N2O	1000210-72-8	53
4	3-Phenanthrol	194	C14H10O	000605-87-8	50
5	1-Phenanthrenol	194	C14H10O	002433-56-9	49





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Quant Title : SVOA CALIBRATION

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

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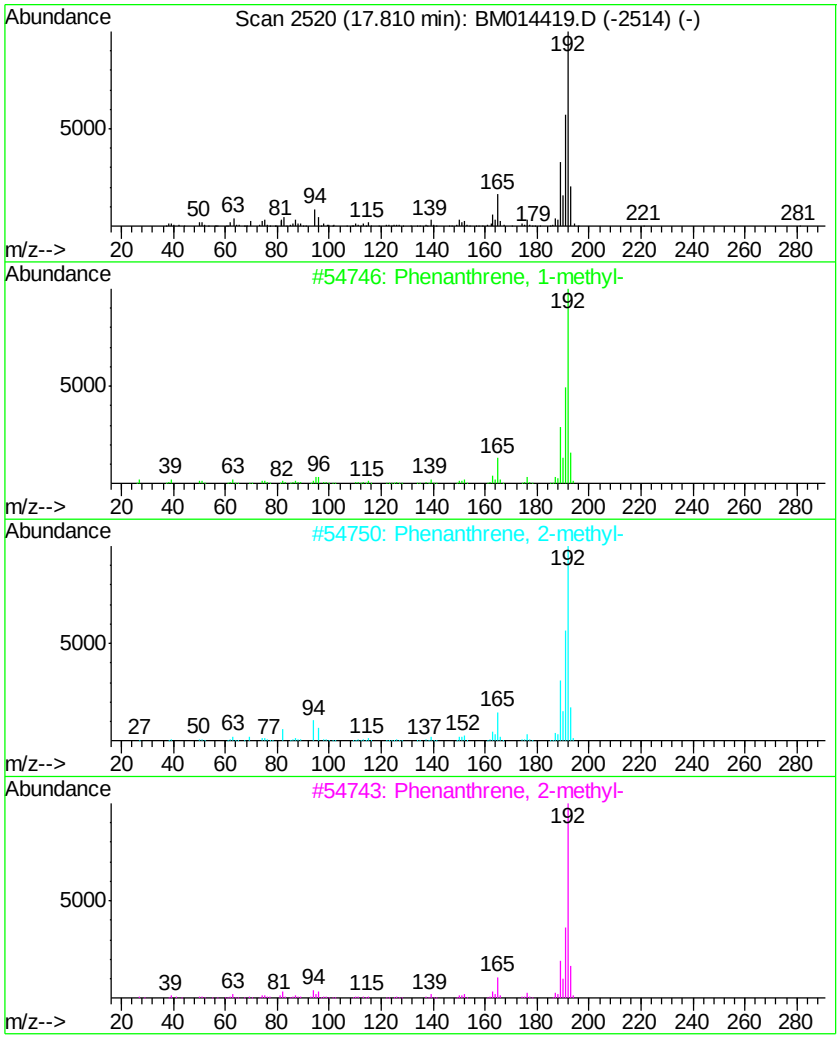
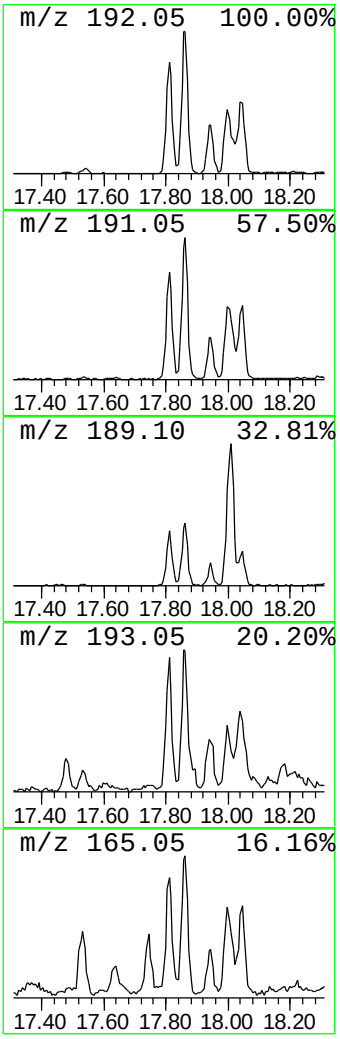
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.81	11.02 ng/ul	979248	Phenanthrene-d10	16.93

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





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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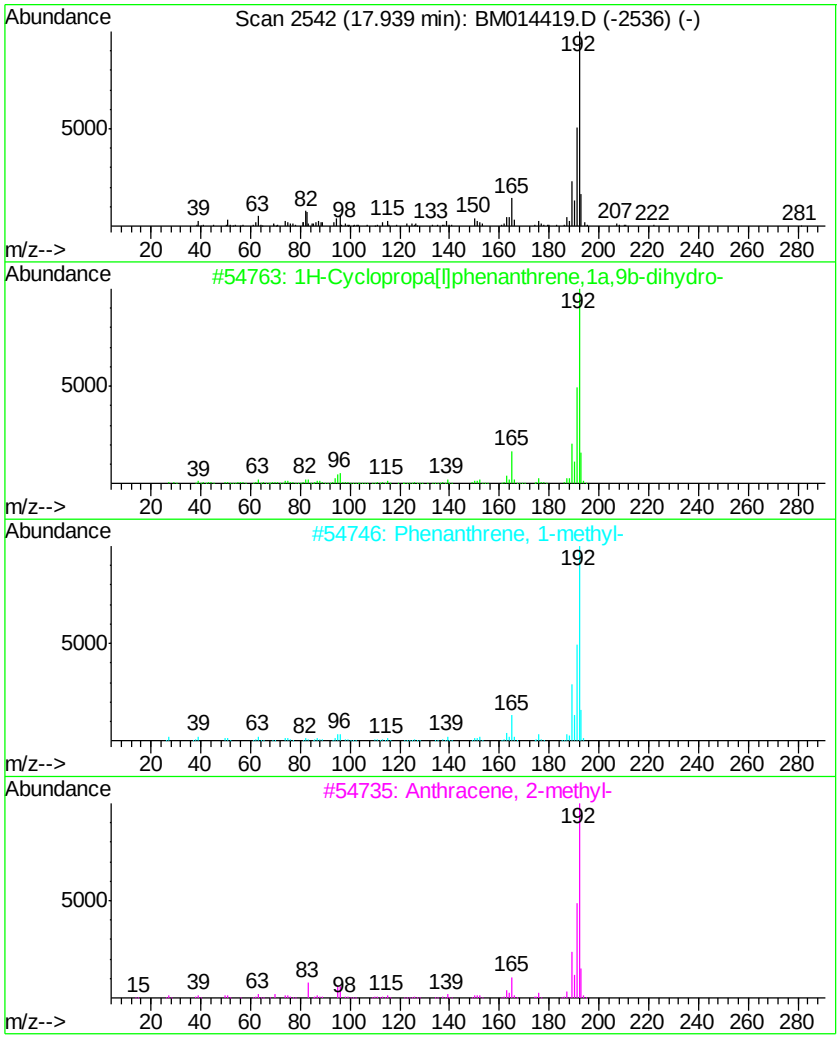
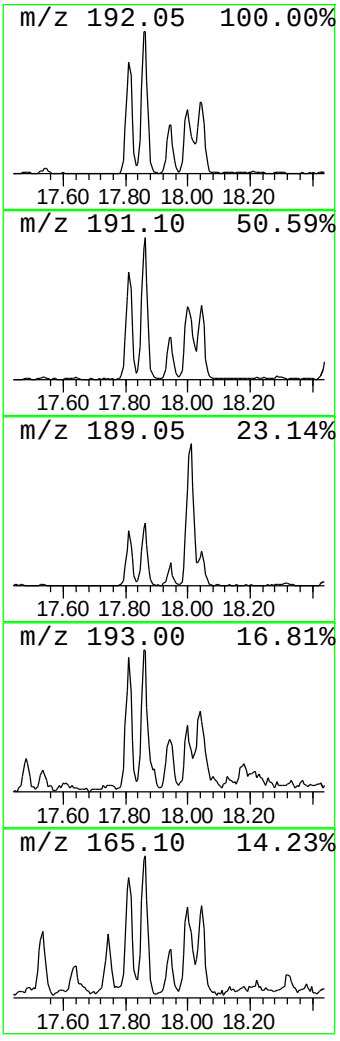
Peak Number 17 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.62 ng/ul	410541	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Quant Title : SVOA CALIBRATION

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

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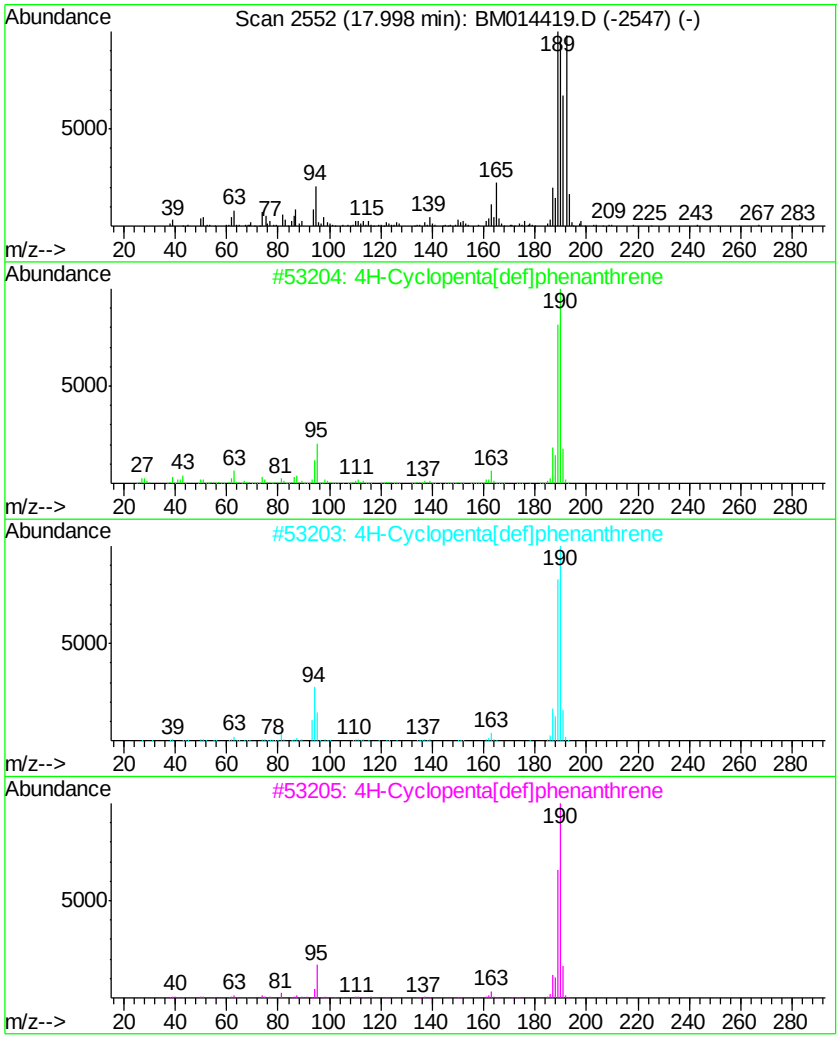
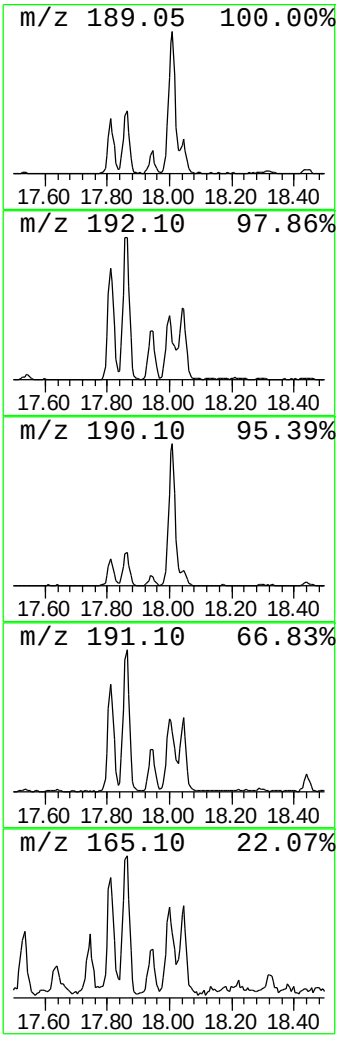
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	15.57 ng/ul	1383640	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25





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Sample : J1646-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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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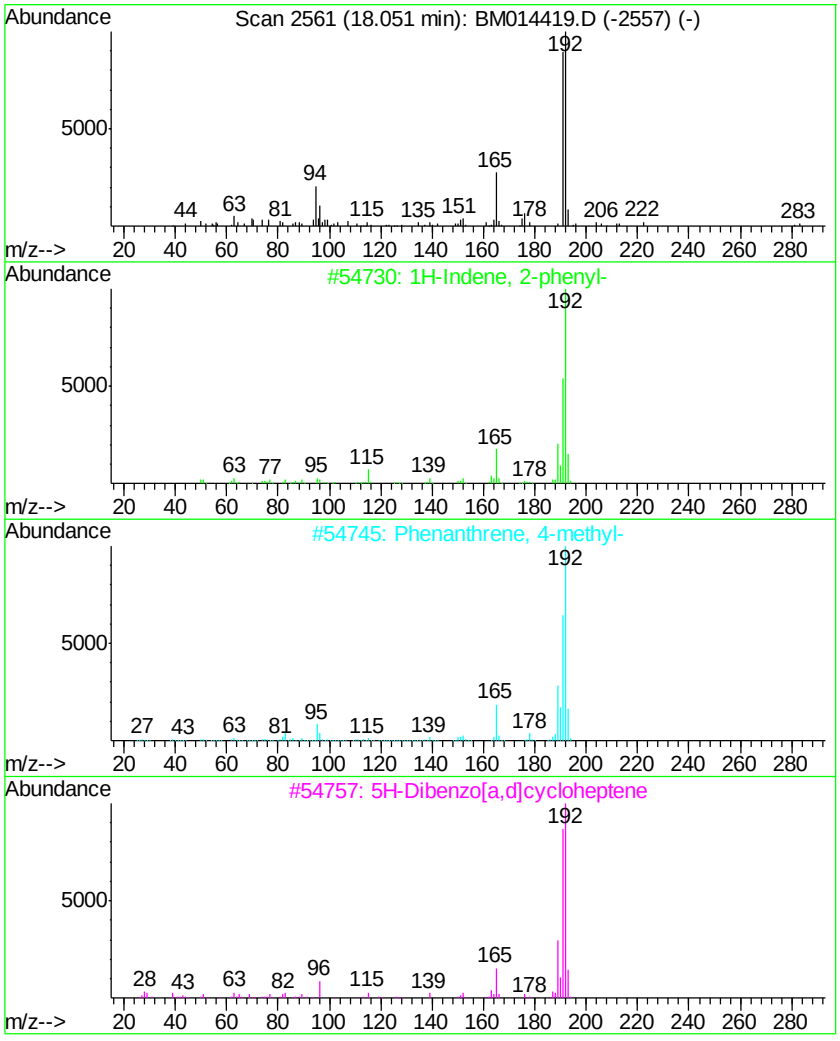
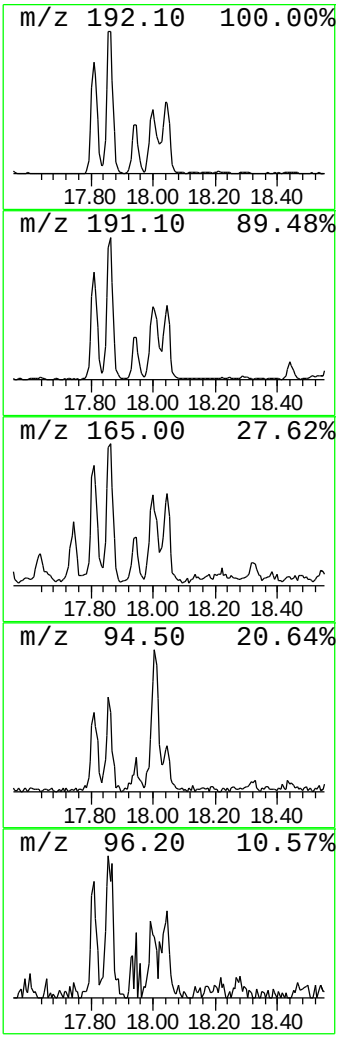
Peak Number 19 1H-Indene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	6.36 ng/ul	564868	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	68





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Operator : SJ/JU
Sample : J1646-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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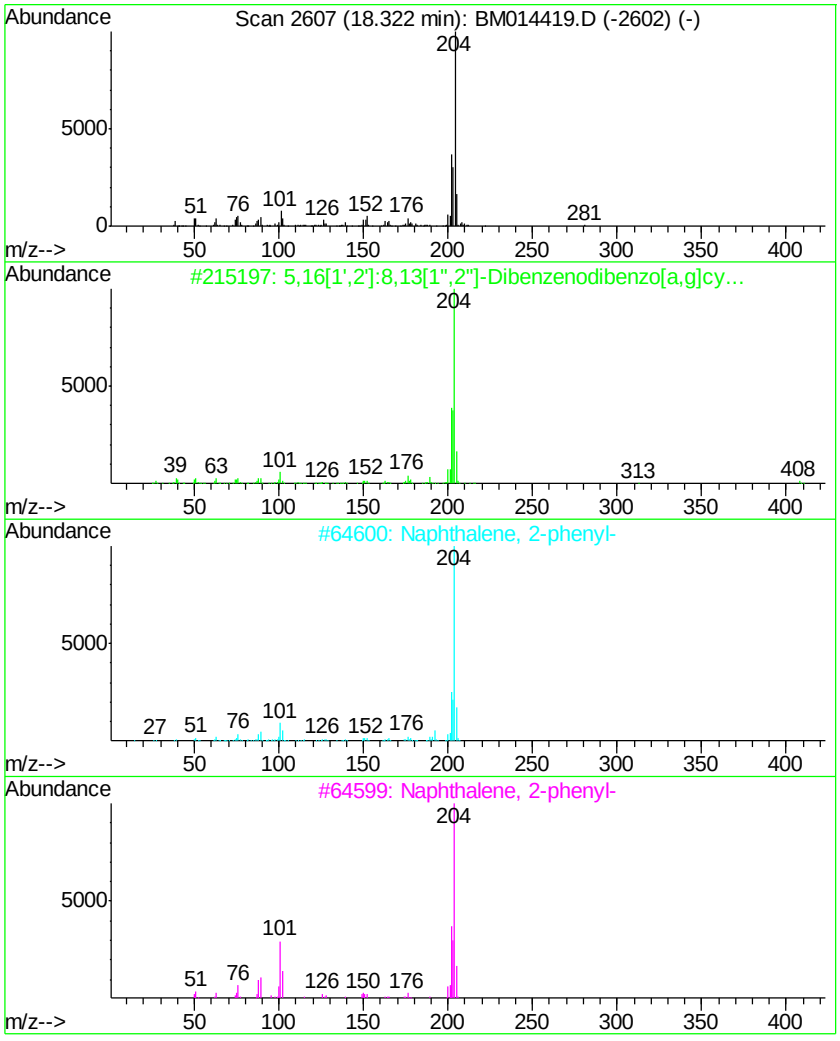
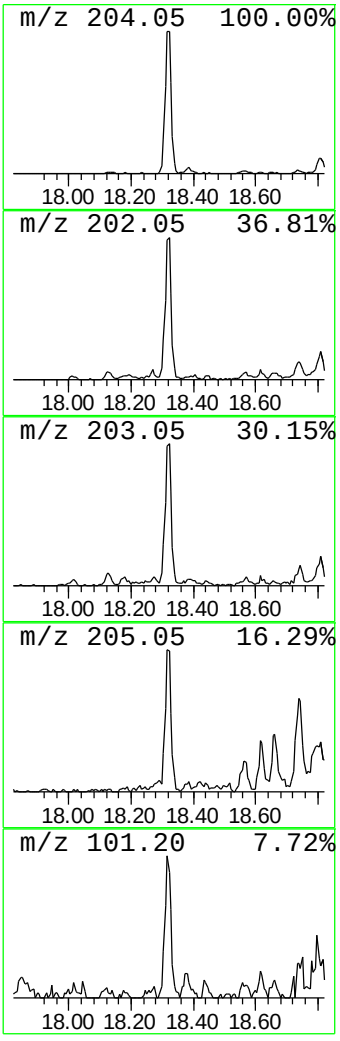
Peak Number 20 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	7.73 ng/ul	687100	Phenanthrene-d10	16.93

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	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81





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Quant Title : SVOA CALIBRATION

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

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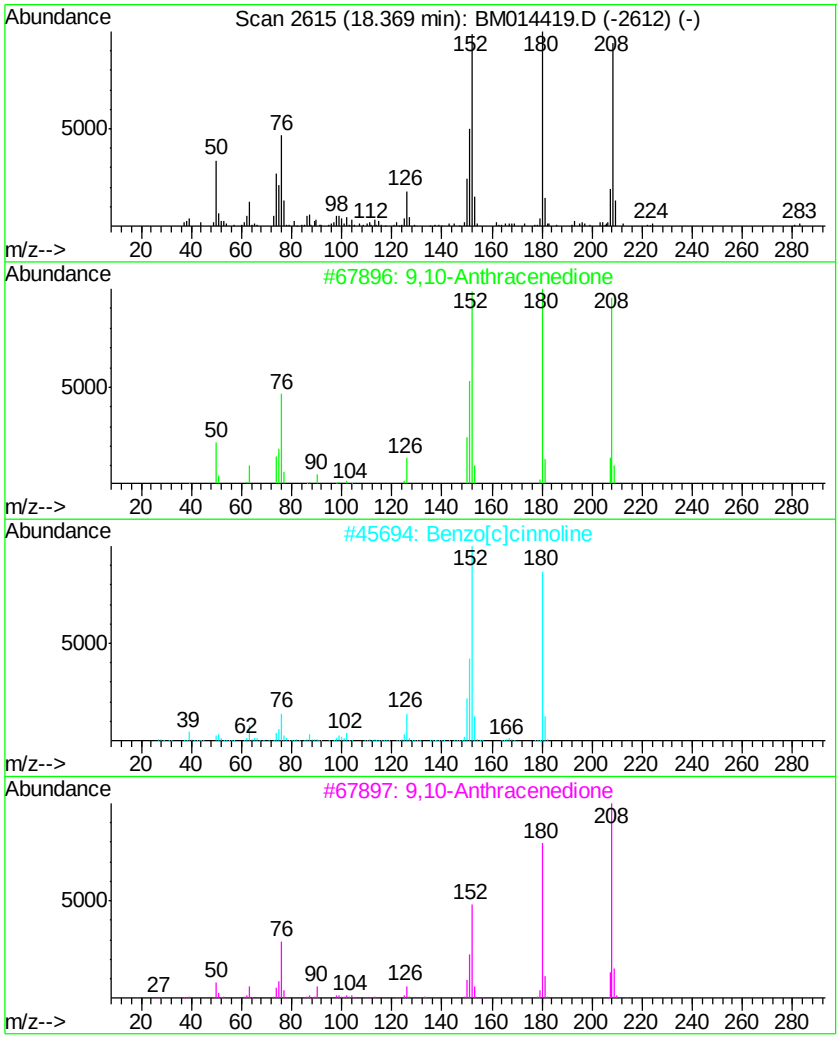
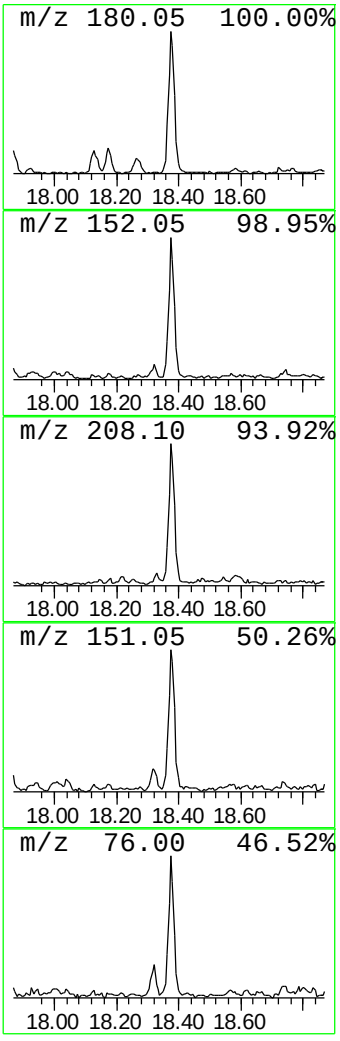
Peak Number 21 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	8.12 ng/ul	721812	Phenanthrene-d10	16.93

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	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86





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ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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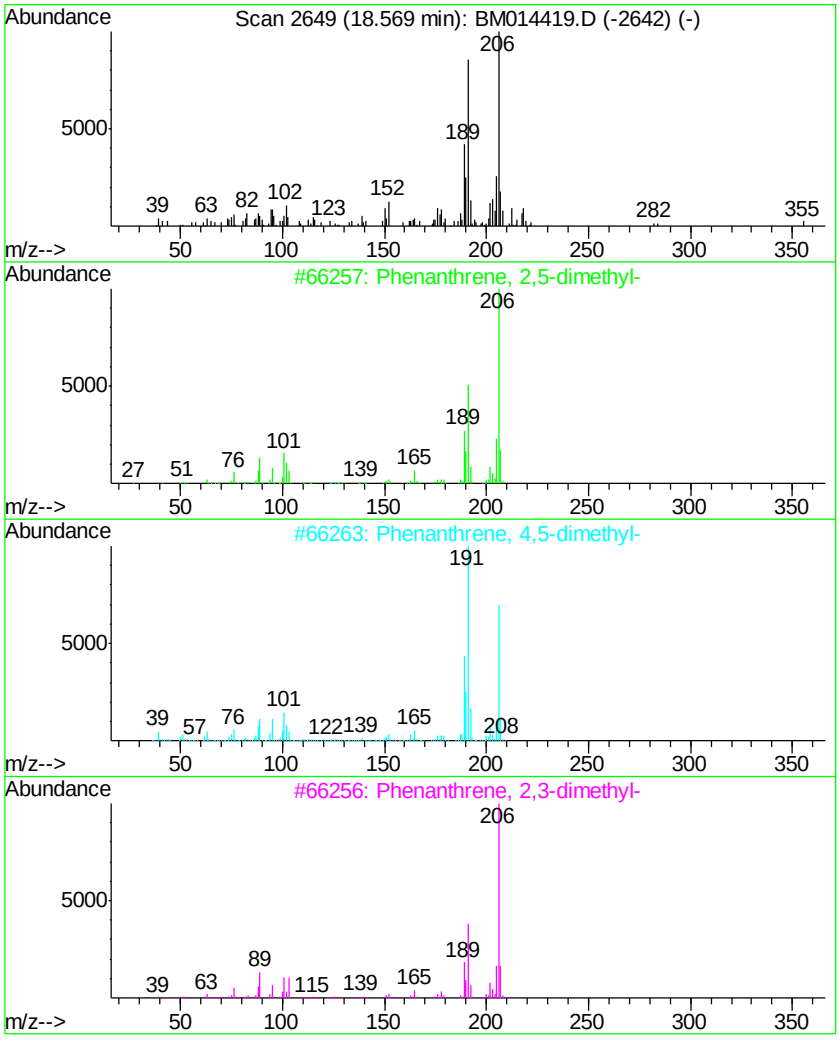
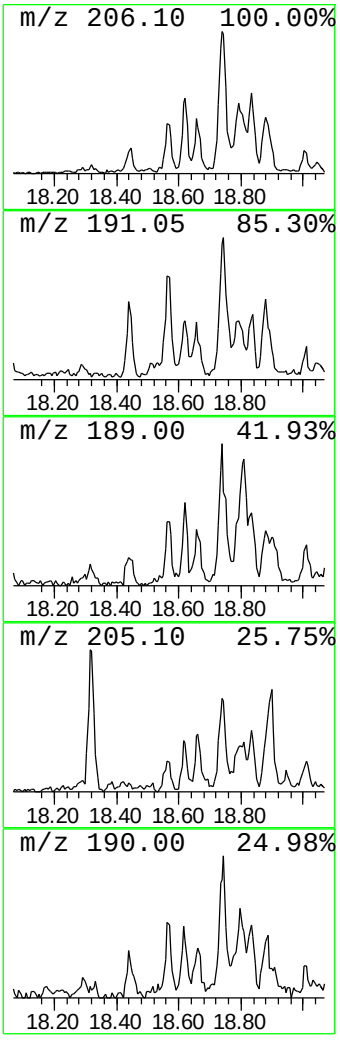
Peak Number 22 Phenanthrene, 2,5-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.83 ng/ul	251284	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





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Instrument : BNA_M
ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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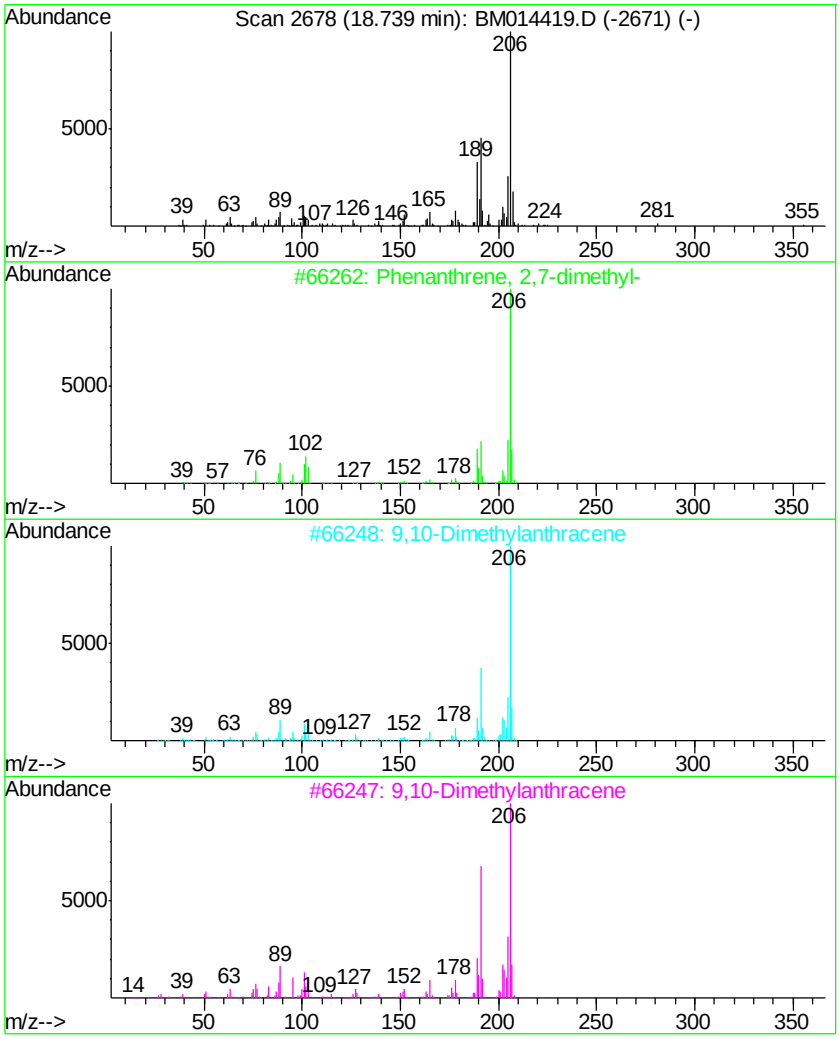
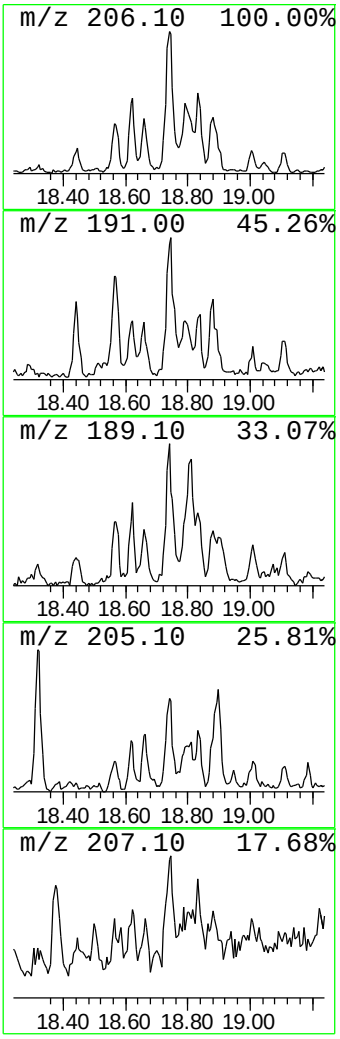
Peak Number 23 Phenanthrene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	5.68 ng/ul	505026	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Quant Title : SVOA CALIBRATION

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

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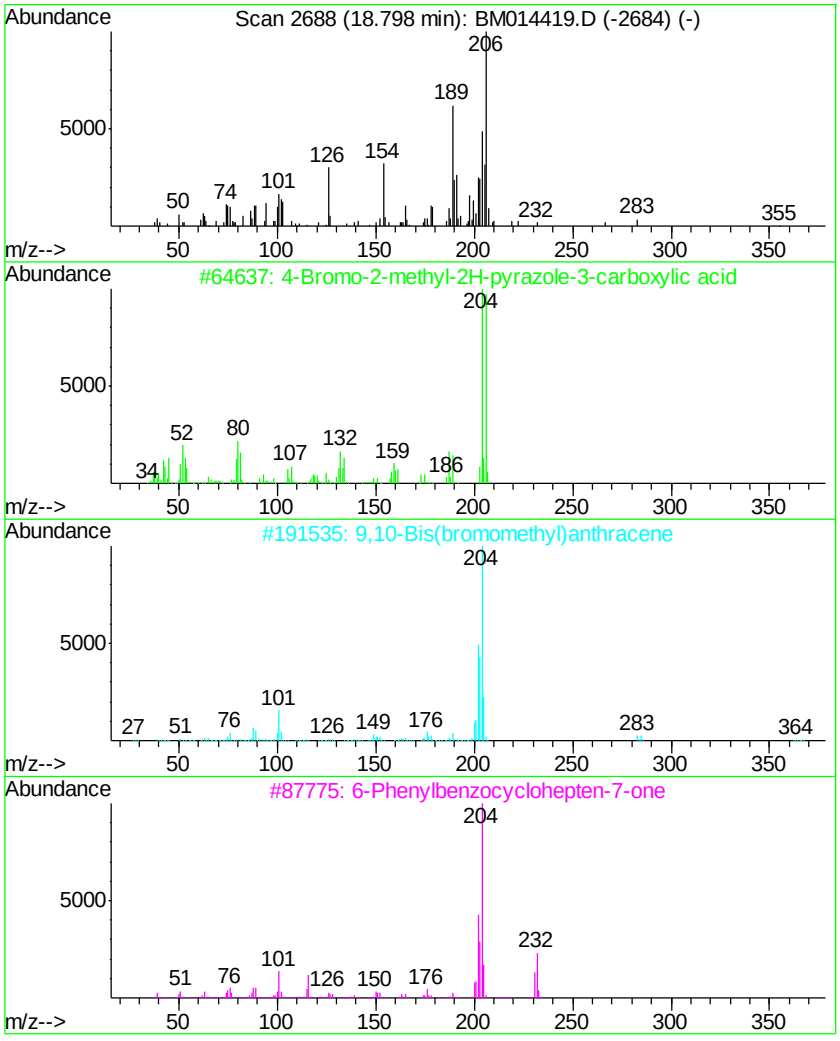
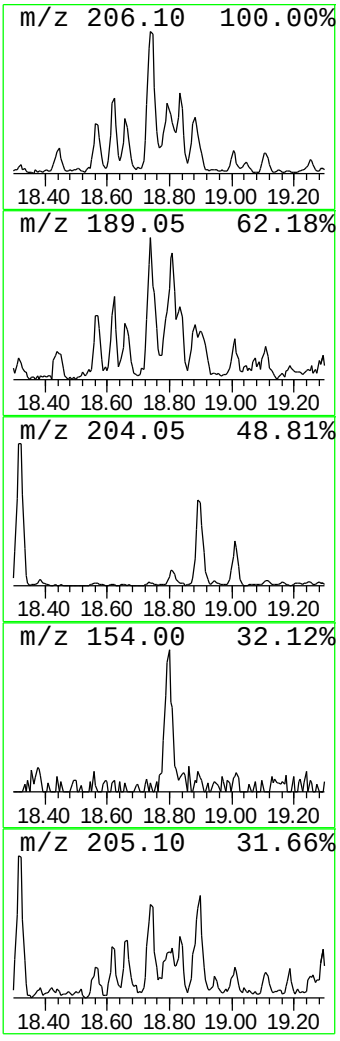
Peak Number 24 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	3.25 ng/ul	288411	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromo-2-methyl-2H-pyrazole-3-c...	204	C5H5BrN2O2	1000300-50-8	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	35
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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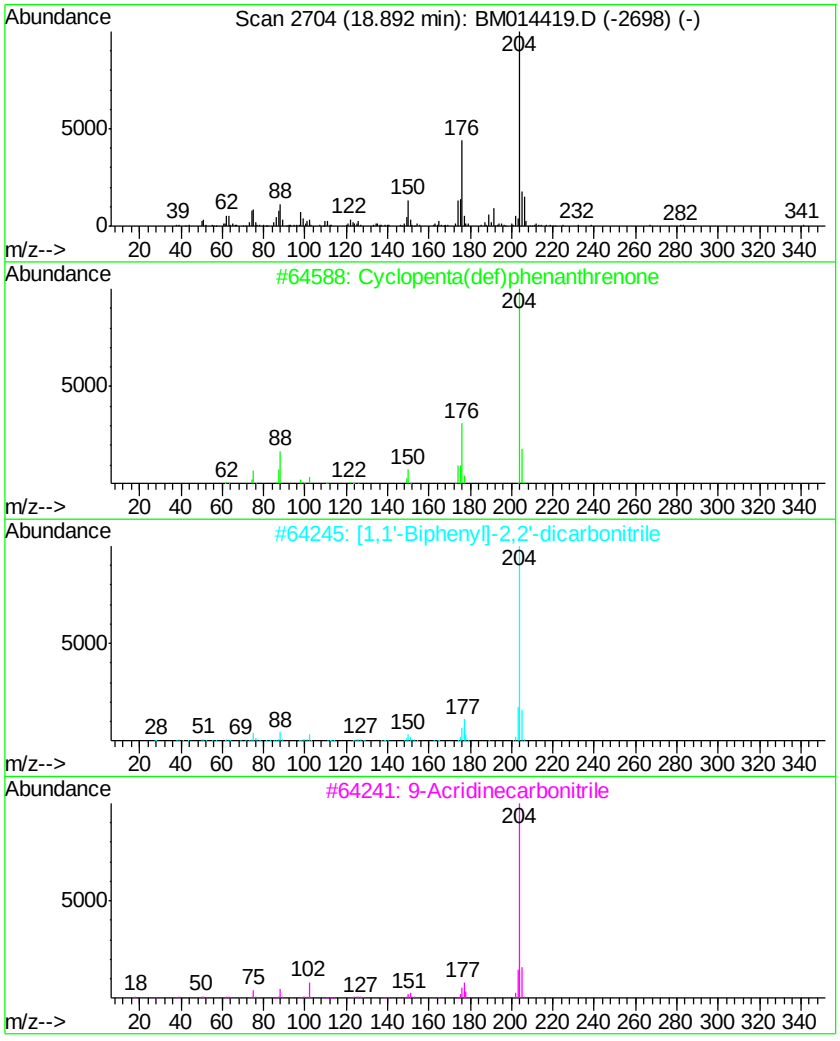
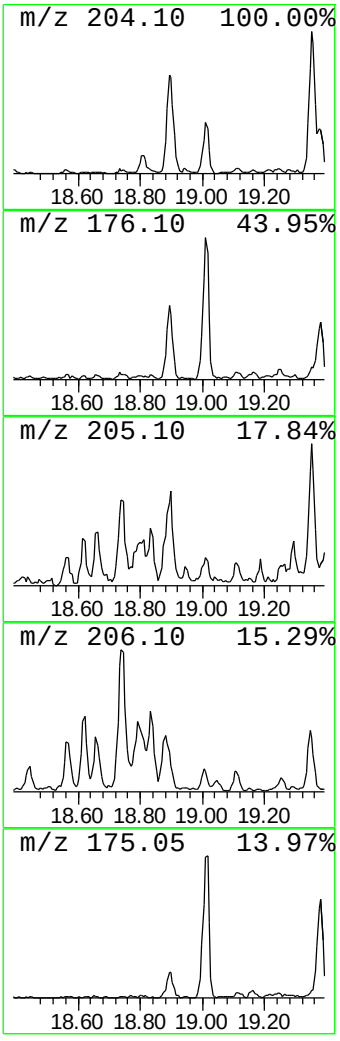
Peak Number 25 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	7.75 ng/ul	688999	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45





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ALS Vial : 23 Sample Multiplier: 1

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ClientSampleId : BE5X4

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Quant Title : SVOA CALIBRATION

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

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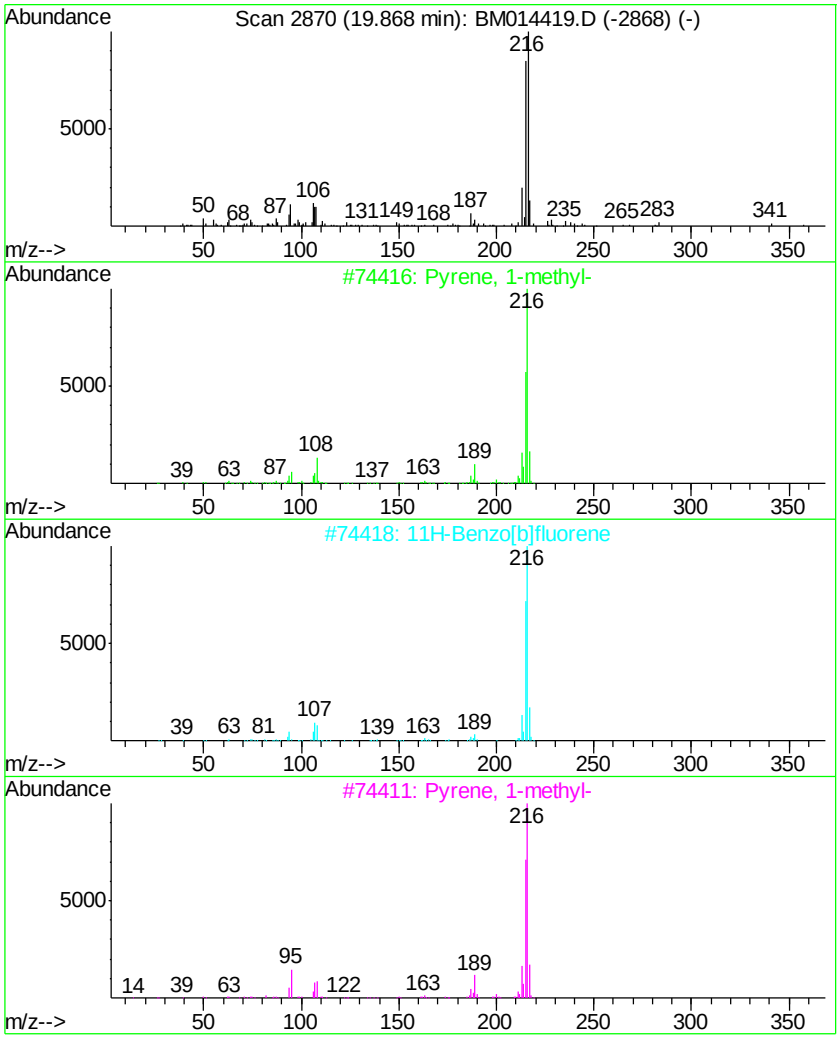
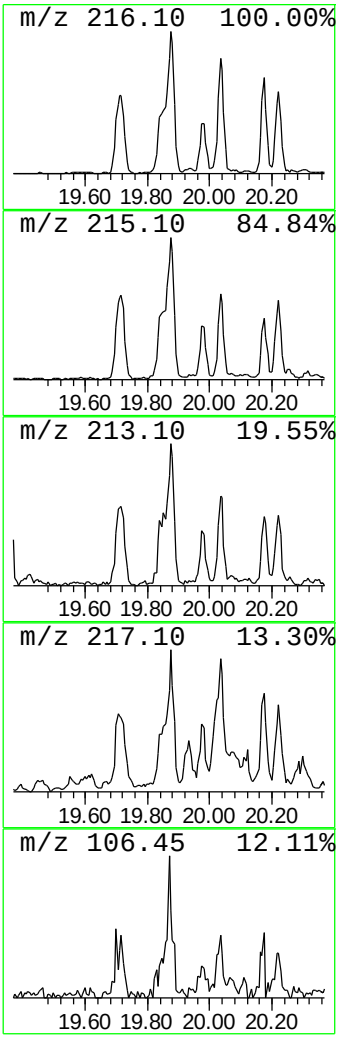
Peak Number 26 Pyrene, 1-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.10 ng/ul	785727	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80





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Quant Title : SVOA CALIBRATION

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

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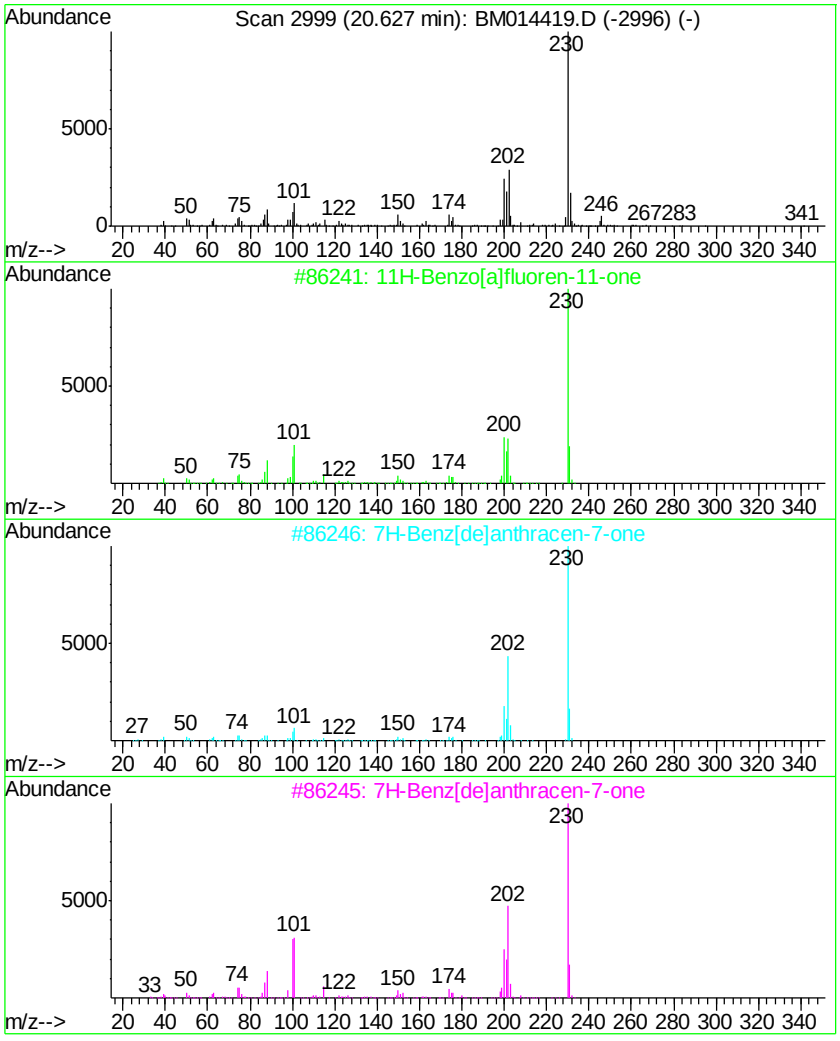
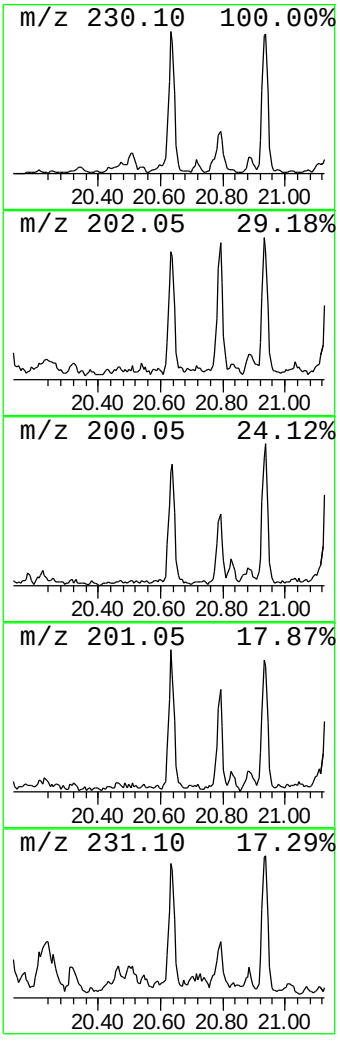
Peak Number 28 11H-Benzo[a]fluoren-11-one Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.63	2.26 ng/ul	843073	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





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Quant Title : SVOA CALIBRATION

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

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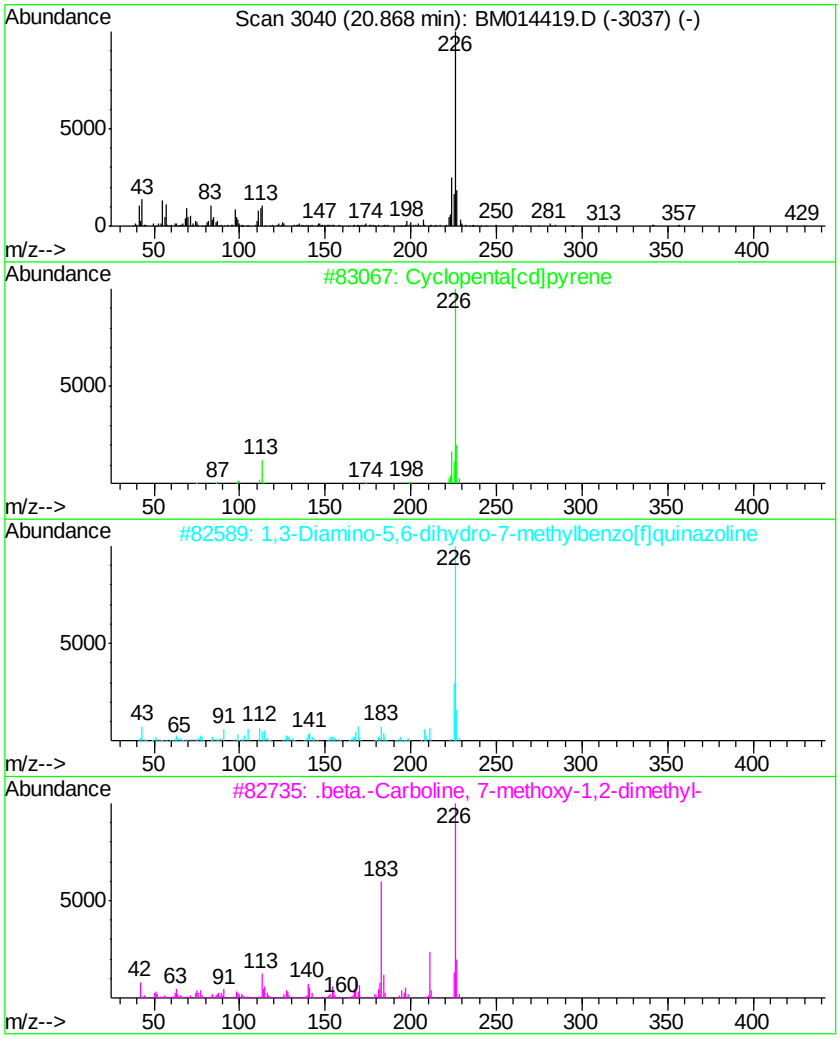
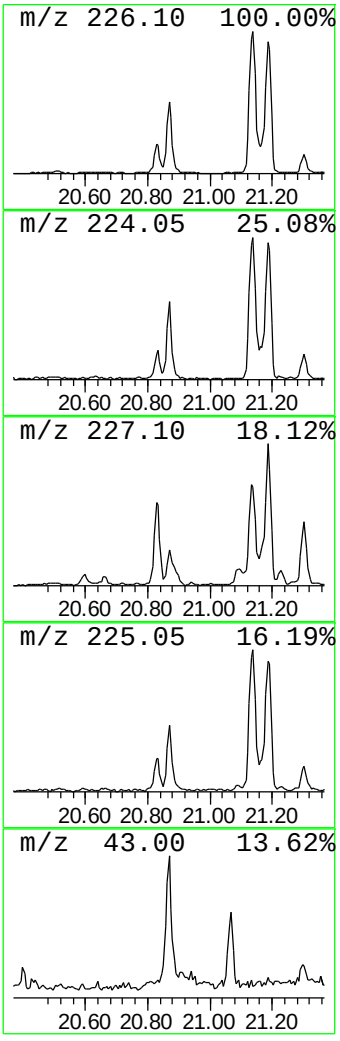
Peak Number 29 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.03 ng/ul	1130540	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	53
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49





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Quant Title : SVOA CALIBRATION

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

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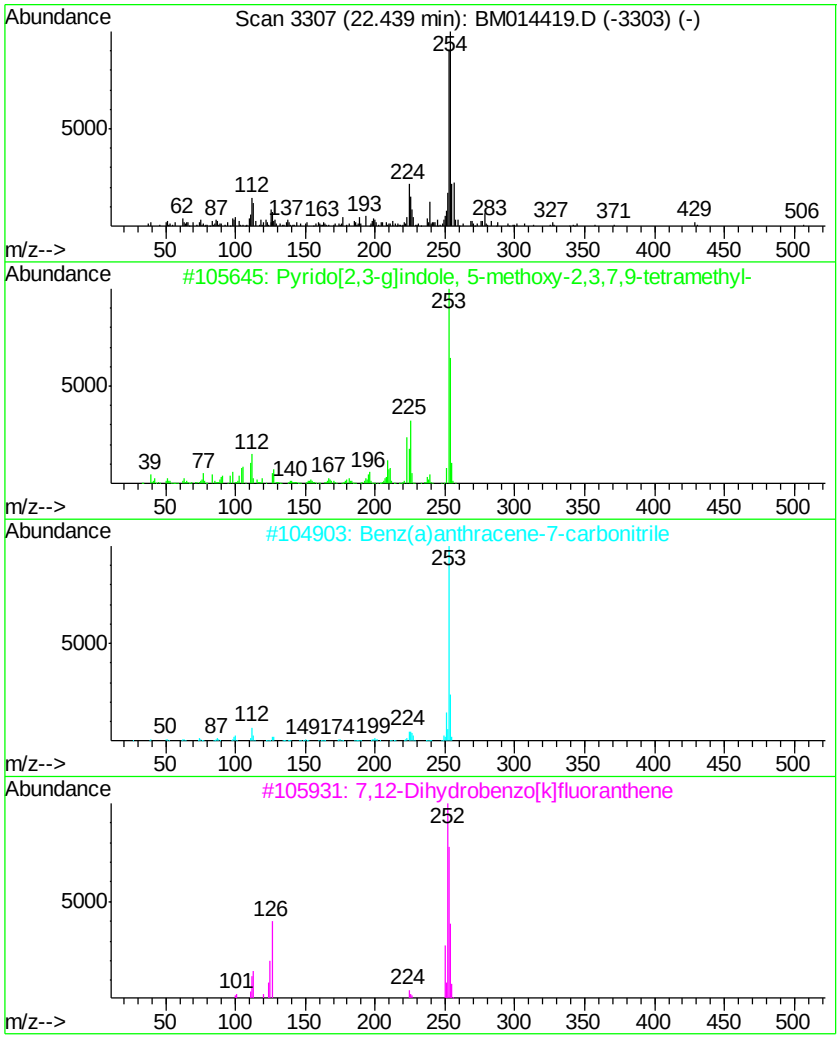
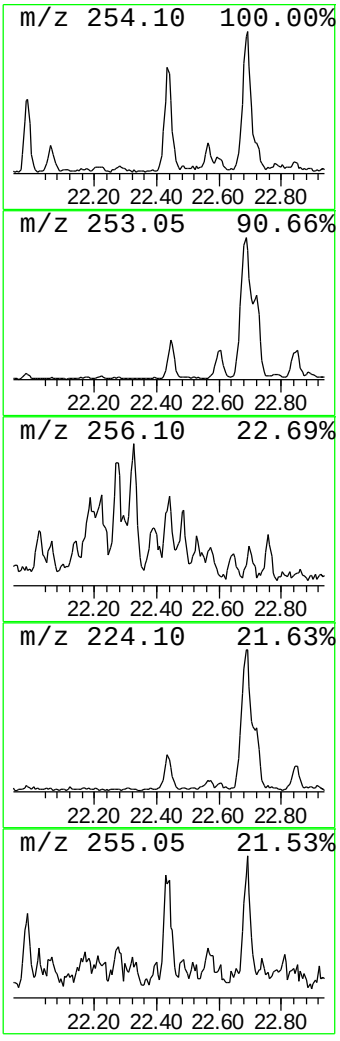
Peak Number 31 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.44	3.58 ng/ul	369042	Perylene-d12	23.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	74
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
4	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	53
5	Benzofuran-5,6-diol-3-one, 2-ben...	254	C15H10O4	1000128-65-2	50





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

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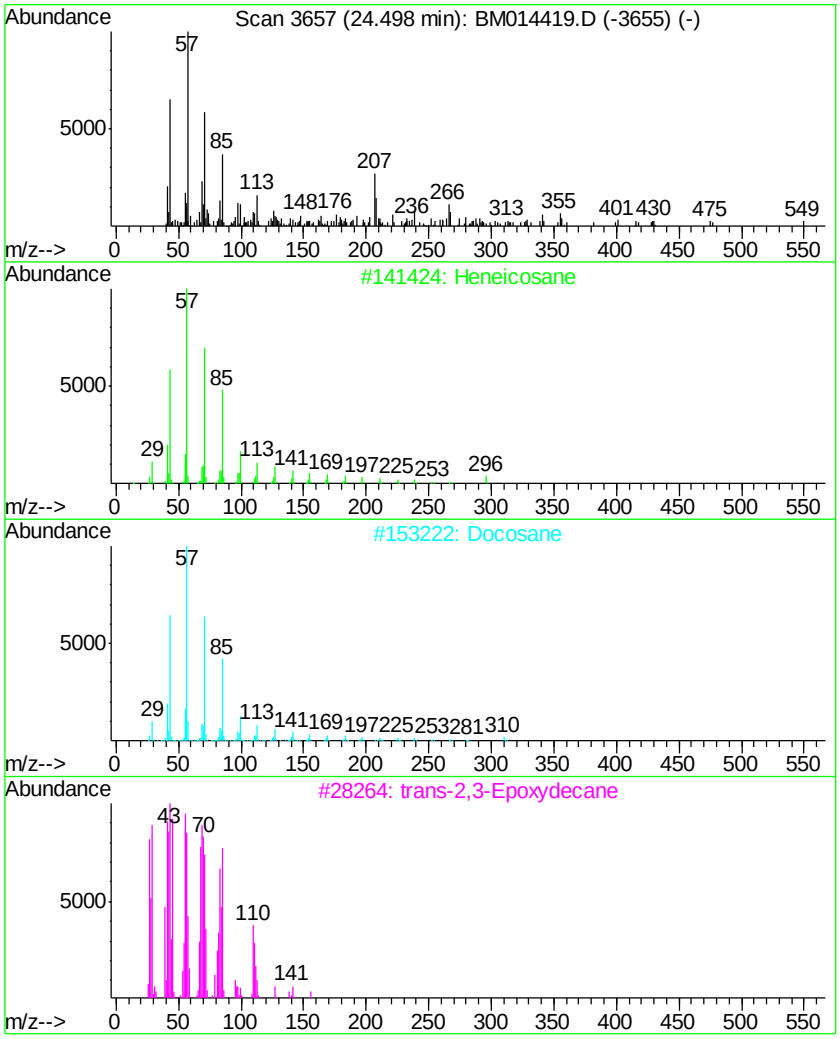
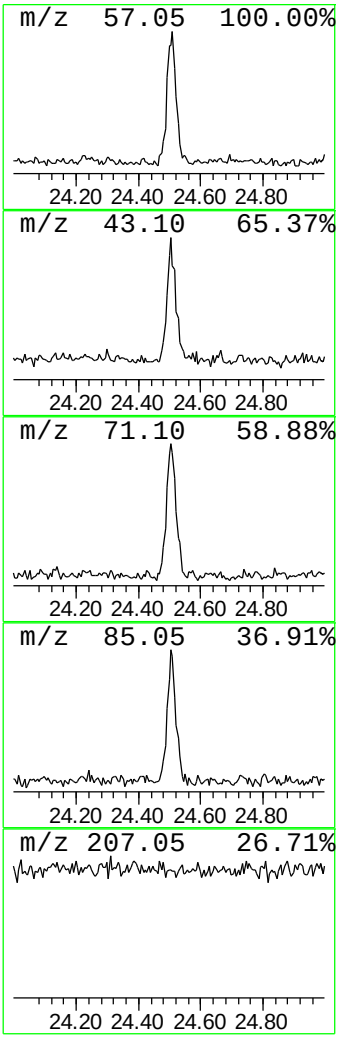
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.50	2.57 ng/ul	265311	Perylene-d12	23.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	83
2	Docosane	310	C22H46	000629-97-0	64
3	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	64
4	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	58
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022818\
Data File : BM014419.D
Acq On : 01 Mar 2018 02:09
Operator : SJ/JU
Sample : J1646-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X4

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, 1-me...	12.19	3.4	ng/ul	156412	2	10.28	923654	20.0
Naphthalene, 2,6-...	13.35	2.2	ng/ul	157170	3	14.17	1439670	20.0
Naphthalene, 2,7-...	13.49	2.7	ng/ul	197475	3	14.17	1439670	20.0
(DEL) Alkane: Str...	15.03	2.3	ng/ul	164311	3	14.17	1439670	20.0
Dibenzofuran, 4-m...	15.53	5.8	ng/ul	413924	3	14.17	1439670	20.0
6H-Dibenzo[b,d]-p...	15.67	5.5	ng/ul	484226	4	16.93	1777500	20.0
(DEL) Alkane: Str...	15.90	2.4	ng/ul	214984	4	16.93	1777500	20.0
9H-Fluorene, 1-me...	16.24	2.4	ng/ul	214798	4	16.93	1777500	20.0
Naphtho[2,1-b]fur...	16.47	2.6	ng/ul	230755	4	16.93	1777500	20.0
9H-Fluoren-9-one	16.60	5.3	ng/ul	472305	4	16.93	1777500	20.0
Dibenzothiophene	16.75	6.1	ng/ul	540500	4	16.93	1777500	20.0
Dibenzo[a,e]cyclo...	17.46	3.0	ng/ul	263145	4	16.93	1777500	20.0
11H-Dibenzo[c,f][...	17.53	2.7	ng/ul	240049	4	16.93	1777500	20.0
Phenanthrene, 1-m...	17.81	11.0	ng/ul	979248	4	16.93	1777500	20.0
1H-Cyclopropa[l]p...	17.94	4.6	ng/ul	410541	4	16.93	1777500	20.0
4H-Cyclopenta[def...	18.00	15.6	ng/ul	1383640	4	16.93	1777500	20.0
1H-Indene, 2-phenyl-	18.05	6.4	ng/ul	564868	4	16.93	1777500	20.0
5,16[1',2']:8,13[...	18.32	7.7	ng/ul	687100	4	16.93	1777500	20.0
9,10-Anthracenedione	18.37	8.1	ng/ul	721812	4	16.93	1777500	20.0
Phenanthrene, 2,5...	18.57	2.8	ng/ul	251284	4	16.93	1777500	20.0
Phenanthrene, 2,7...	18.74	5.7	ng/ul	505026	4	16.93	1777500	20.0
unknown-01	18.80	3.3	ng/ul	288411	4	16.93	1777500	20.0
Cyclopenta(def)ph...	18.89	7.8	ng/ul	688999	4	16.93	1777500	20.0
Pyrene, 1-methyl-	19.87	2.1	ng/ul	785727	5	21.15	7472700	20.0
11H-Benzo[a]fluor...	20.63	2.3	ng/ul	843073	5	21.15	7472700	20.0
Cyclopenta[cd]pyrene	20.87	3.0	ng/ul	1130540	5	21.15	7472700	20.0
Pyrido[2,3-g]indo...	22.44	3.6	ng/ul	369042	6	23.33	2064520	20.0
(DEL) Alkane: Str...	24.50	2.6	ng/ul	265311	6	23.33	2064520	20.0