LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007455.D
Acq On : 08 Sep 2016 00:54
Operator : UM/SJ
Sample : H4666-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3B3

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\SOM02.2-EPA-BM082316.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	5.457	482	488	496	rBV	106828	193959	1.60%	0.119%
2	5.822	543	550	560	rVB	171795	285522	2.35%	0.175%
3	6.963	735	744	752	rBV	650063	1269421	10.44%	0.777%
4	7.128	765	772	777	rBV	536356	817671	6.73%	0.501%
5	7.328	800	806	816	rVB	677102	1114442	9.17%	0.682%
6	7.793	875	885	899	rVB	939587	1688071	13.89%	1.033%
7	8.498	999	1005	1012	rVV	717907	1217447	10.01%	0.745%
8	8.945	1075	1081	1088	rVV	746216	1315544	10.82%	0.805%
9	9.663	1197	1203	1215	rBV	608005	1093681	9.00%	0.670%
10	10.204	1288	1295	1303	rVB	927972	1640794	13.50%	1.004%
11	10.575	1348	1358	1363	rVV	1546722	2926829	24.07%	1.792%
12	10.628	1363	1367	1374	rVV	519948	883397	7.27%	0.541%
13	10.716	1374	1382	1393	rVV2	394344	837048	6.89%	0.512%
14	11.592	1526	1531	1540	rBV	161142	271468	2.23%	0.166%
15	11.992	1593	1599	1609	rVB	198423	309602	2.55%	0.190%
16	12.239	1634	1641	1649	rVB	694032	1196687	9.84%	0.733%
17	12.457	1672	1678	1685	rVV	495834	829047	6.82%	0.508%
18	12.951	1758	1762	1768	rVB	124668	190688	1.57%	0.117%
19	13.245	1805	1812	1819	rBV2	411334	754311	6.20%	0.462%
20	13.580	1864	1869	1871	rBV2	208969	312989	2.57%	0.192%
21	13.739	1892	1896	1901	rVV	416458	734695	6.04%	0.450%
22	13.798	1901	1906	1908	rVV	379195	605900	4.98%	0.371%
23	13.833	1908	1912	1916	rVV	2029111	2853922	23.47%	1.747%
24	13.880	1916	1920	1928	rVB	1134770	1840702	15.14%	1.127%
25	13.980	1933	1937	1940	rVV	249206	375138	3.09%	0.230%
26	14.116	1954	1960	1973	rVB	2392375	4022502	33.09%	2.462%
27	14.322	1990	1995	2002	rVB	390078	514068	4.23%	0.315%
28	14.427	2002	2013	2019	rBV2	2533237	4506937	37.07%	2.759%
29	14.639	2042	2049	2056	rBV4	225117	519069	4.27%	0.318%
30	14.722	2056	2063	2068	rBV4	129542	263354	2.17%	0.161%
31	14.821	2075	2080	2086	rVB	970440	1463061	12.03%	0.896%
32	14.898	2086	2093	2097	rBV2	170288	262706	2.16%	0.161%
33	14.939	2097	2100	2109	rVB6	98445	209064	1.72%	0.128%
34	15.045	2113	2118	2122	rBV2	159847	255983	2.11%	0.157%

LSC Area Percent Report

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Acq On : 08 Sep 2016 00:54
Operator : UM/SJ
Sample : H4666-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3B3

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\SOM02.2-EPA-BM082316.M
Title : SVOA CALIBRATION

35	15.092	2122	2126	2130	rVB	176122	240755	1.98%	0.147%
36	15.210	2141	2146	2150	rBV4	239179	382816	3.15%	0.234%
37	15.269	2150	2156	2161	rVB2	506115	756040	6.22%	0.463%
38	15.416	2173	2181	2186	rVV	3062900	4709055	38.73%	2.883%
39	15.463	2186	2189	2193	rVB2	339422	445533	3.66%	0.273%
40	15.545	2200	2203	2209	rVB	276611	350086	2.88%	0.214%
41	15.680	2219	2226	2233	rVB4	237024	524250	4.31%	0.321%
42	15.768	2234	2241	2247	rVB	431211	717446	5.90%	0.439%
43	15.916	2258	2266	2273	rVB	476950	1108890	9.12%	0.679%
44	15.998	2274	2280	2288	rVB3	173958	387977	3.19%	0.238%
45	16.133	2298	2303	2305	rBV	779906	1121571	9.23%	0.687%
46	16.480	2352	2362	2366	rBV7	162309	435731	3.58%	0.267%
47	16.704	2394	2400	2404	rBV2	376063	742087	6.10%	0.454%
48	16.745	2404	2407	2410	rVB2	178980	232036	1.91%	0.142%
49	16.827	2416	2421	2427	rBV	1039429	1541247	12.68%	0.944%
50	16.921	2428	2437	2443	rVV2	858559	1788420	14.71%	1.095%
51	16.986	2444	2448	2457	rVB3	396443	797939	6.56%	0.488%
52	17.168	2473	2479	2483	rBV	3544759	5317302	43.74%	3.255%
53	17.210	2483	2486	2491	rVV	3130714	4498433	37.00%	2.754%
54	17.268	2491	2496	2500	rVV2	3534597	5380543	44.26%	3.294%
55	17.304	2500	2502	2506	rVB	483340	499058	4.10%	0.306%
56	17.351	2506	2510	2515	rBV3	196276	338431	2.78%	0.207%
57	17.457	2523	2528	2529	rBV3	147982	232654	1.91%	0.142%
58	17.480	2529	2532	2537	rVB2	368550	532325	4.38%	0.326%
59	17.574	2544	2548	2551	rBV	303216	419196	3.45%	0.257%
60	17.657	2559	2562	2566	rBV	546739	610296	5.02%	0.374%
61	17.751	2573	2578	2586	rVB	434409	724145	5.96%	0.443%
62	18.004	2617	2621	2623	rBV2	225646	293890	2.42%	0.180%
63	18.045	2623	2628	2632	rVV	781402	1576890	12.97%	0.965%
64	18.092	2632	2636	2641	rVB	1410871	2107209	17.33%	1.290%
65	18.227	2655	2659	2664	rBV2	655038	1034656	8.51%	0.633%
66	18.274	2664	2667	2673	rVB	557050	735121	6.05%	0.450%
67	18.351	2676	2680	2684	rBV2	779553	1010746	8.31%	0.619%
68	18.392	2684	2687	2691	rVV3	191582	275102	2.26%	0.168%
69	18.433	2691	2694	2699	rVB2	314608	423887	3.49%	0.259%
70	18.545	2708	2713	2717	rBV	1128838	1576984	12.97%	0.965%
71	18.586	2717	2720	2731	rVB2	817028	1303898	10.73%	0.798%

LSC Area Percent Report

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Sample : H4666-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3B3

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Title : SVOA CALIBRATION

72	18.786	2751	2754	2760	rBV3	322582	451551	3.71%	0.276%
73	18.839	2760	2763	2767	rVV	378566	510374	4.20%	0.312%
74	18.880	2767	2770	2773	rVB	442114	511975	4.21%	0.313%
75	18.962	2780	2784	2786	rBV	807458	1241651	10.21%	0.760%
76	19.057	2797	2800	2803	rVB	427075	490105	4.03%	0.300%
77	19.104	2804	2808	2814	rBV2	929512	1389477	11.43%	0.851%
78	19.227	2824	2829	2835	rVB	5180588	7249258	59.63%	4.438%
79	19.292	2836	2840	2843	rVV	548081	759759	6.25%	0.465%
80	19.327	2843	2846	2850	rVB	308648	442351	3.64%	0.271%
81	19.562	2881	2886	2889	rBV2	5519677	8508081	69.98%	5.208%
82	19.592	2889	2891	2898	rVV	3274356	3993959	32.85%	2.445%
83	19.662	2899	2903	2909	rVB2	761395	1147965	9.44%	0.703%
84	19.909	2940	2945	2956	rBV4	783218	2333500	19.19%	1.429%
85	20.045	2964	2968	2970	rBV2	577754	893487	7.35%	0.547%
86	20.239	2996	3001	3006	rVB2	736853	1438814	11.83%	0.881%
87	20.386	3022	3026	3029	rBV2	609442	938121	7.72%	0.574%
88	20.592	3058	3061	3065	rBV3	662359	773227	6.36%	0.473%
89	20.833	3098	3102	3108	rBV	1851749	2518567	20.72%	1.542%
90	20.998	3126	3130	3133	rVB3	1016220	1376972	11.33%	0.843%
91	21.051	3134	3139	3148	rVV4	1334643	3100206	25.50%	1.898%
92	21.127	3149	3152	3158	rVB	972246	1298592	10.68%	0.795%
93	21.350	3183	3190	3194	rBV2	5544487	12157326	100.00%	7.442%
94	21.386	3194	3196	3206	rVB2	3291745	4914168	40.42%	3.008%
95	21.715	3249	3252	3255	rBV2	462370	588420	4.84%	0.360%
96	21.962	3291	3294	3300	rVB2	952595	1604569	13.20%	0.982%
97	22.944	3456	3461	3475	rVB	3651465	9667524	79.52%	5.918%
98	23.427	3539	3543	3547	rBV	1283619	2193653	18.04%	1.343%
99	23.480	3547	3552	3557	rVB2	2305788	4020991	33.07%	2.462%
100	23.627	3571	3577	3582	rBV	2270343	4088232	33.63%	2.503%

Sum of corrected areas: 163351239

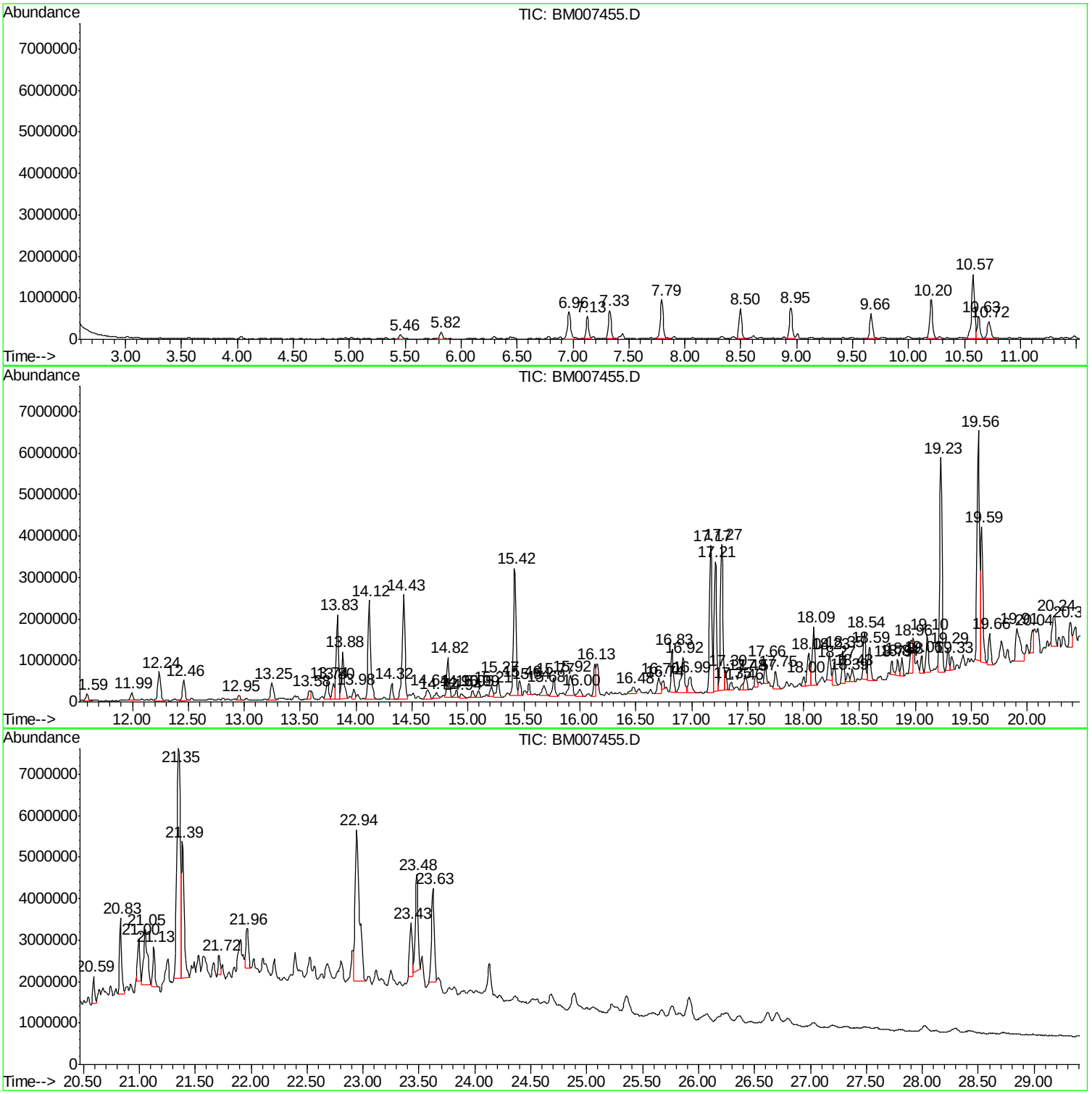
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007455.D
Acq On : 08 Sep 2016 00:54
Operator : UM/SJ
Sample : H4666-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3B3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
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Instrument : BNA_M
ClientSampleId : BD3B3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

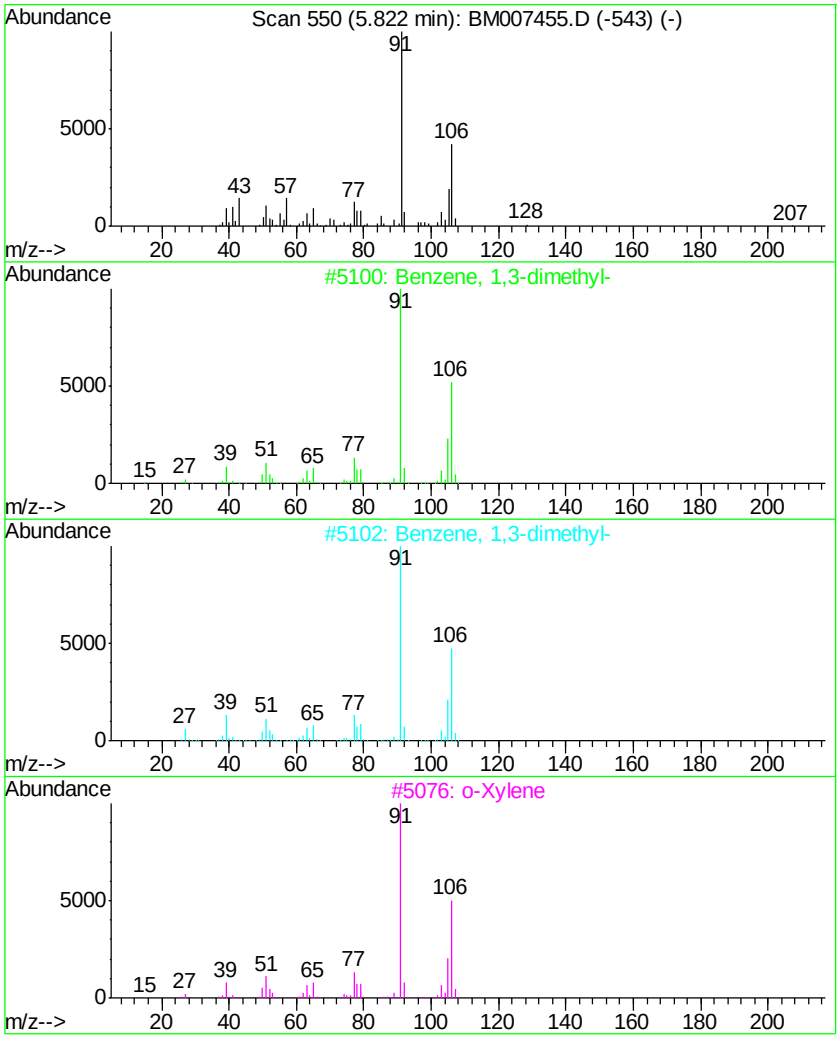
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

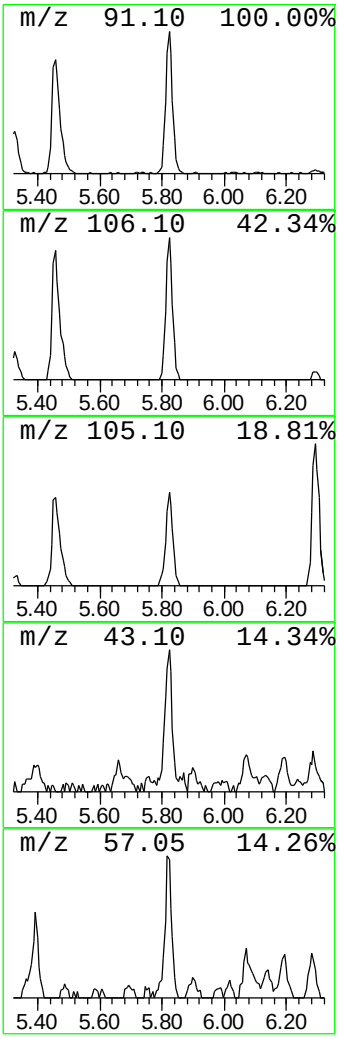
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	3.38 ng/ul	285522	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
3	o-Xylene	106	C8H10	000095-47-6	97
4	o-Xylene	106	C8H10	000095-47-6	97
5	p-Xylene	106	C8H10	000106-42-3	97





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007455.D
Acq On : 08 Sep 2016 00:54
Operator : UM/SJ
Sample : H4666-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3B3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

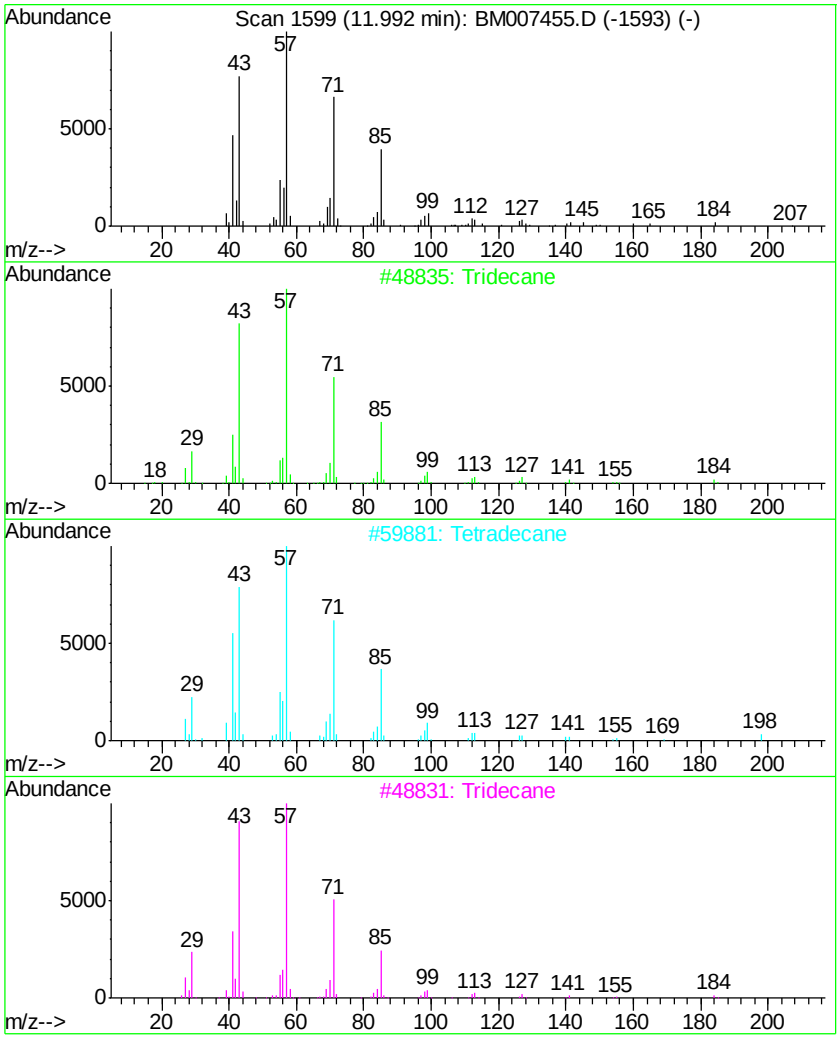
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

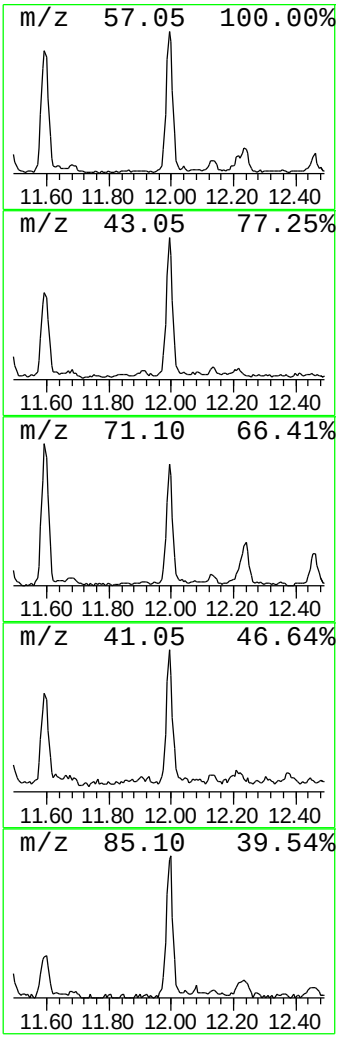
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.12 ng/ul	309602	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Tetradecane	198	C14H30	000629-59-4	91
3	Tridecane	184	C13H28	000629-50-5	81
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	80
5	Hexadecane	226	C16H34	000544-76-3	80





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Operator : UM/SJ
Sample : H4666-19
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3B3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

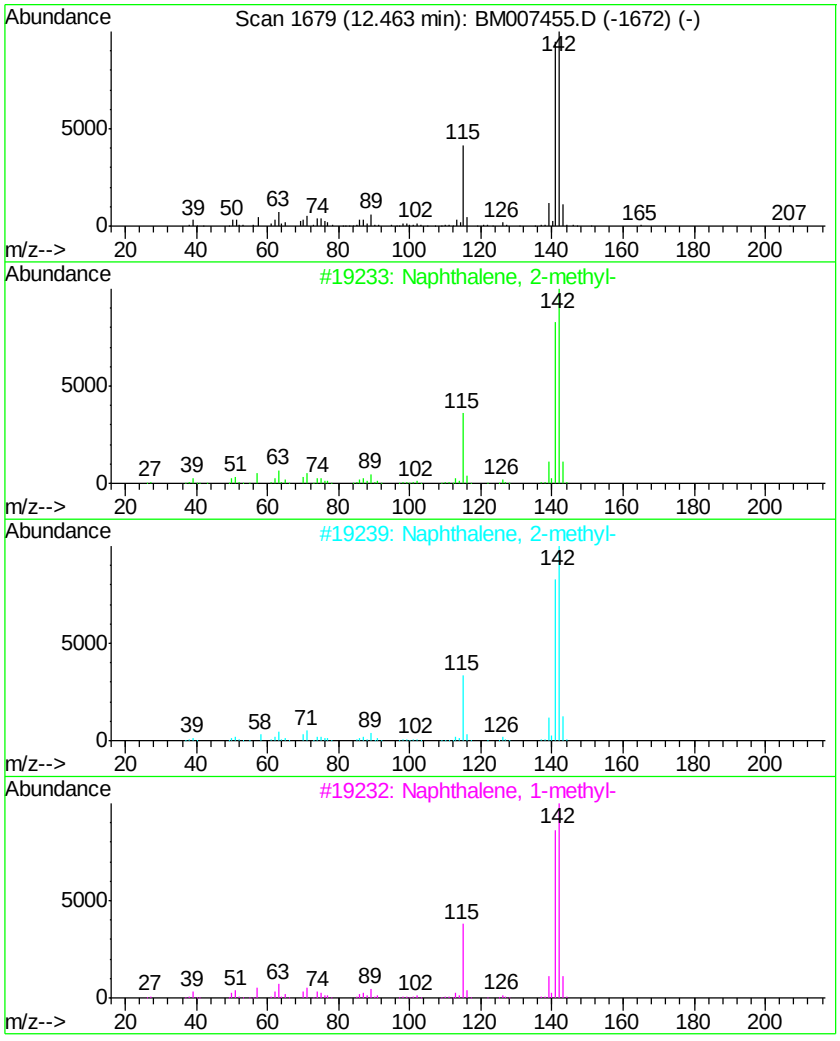
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

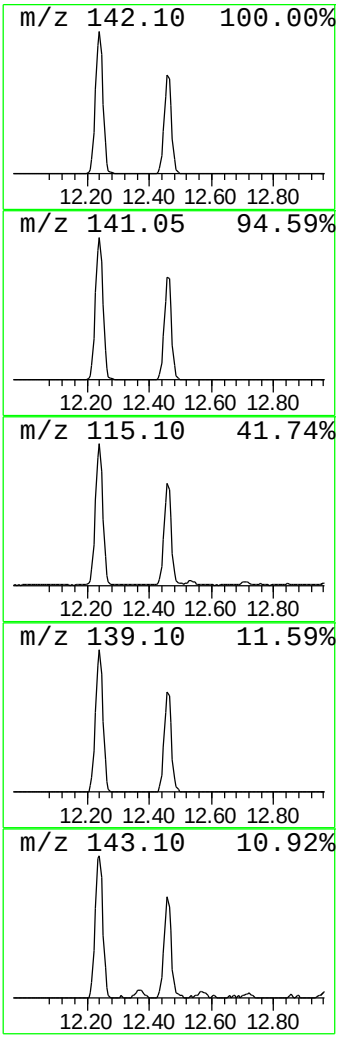
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	5.67 ng/ul	829047	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007455.D
Acq On : 08 Sep 2016 00:54
Operator : UM/SJ
Sample : H4666-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3B3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

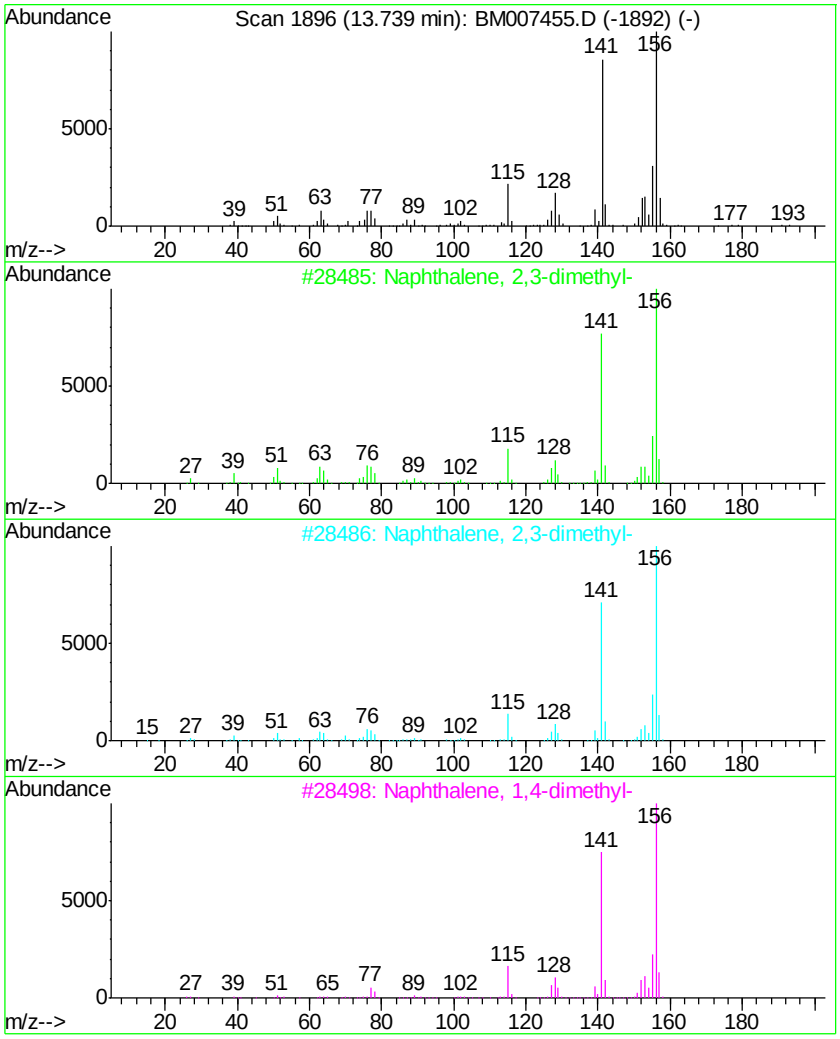
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

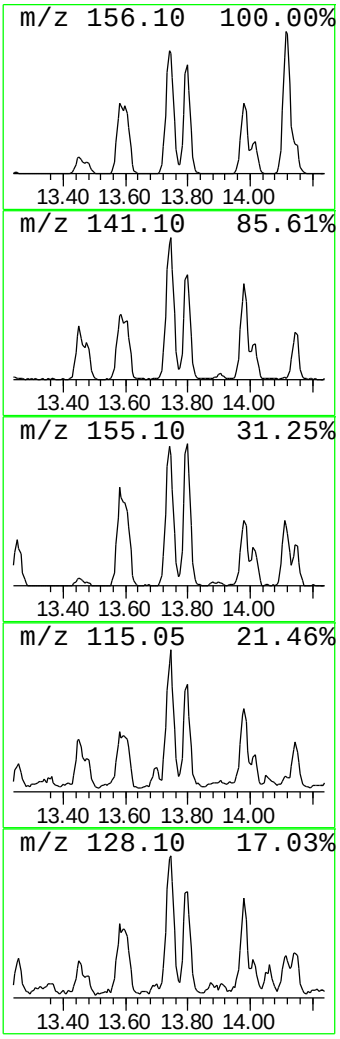
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	3.26 ng/ul	734695	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Acq On : 08 Sep 2016 00:54
Operator : UM/SJ
Sample : H4666-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3B3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

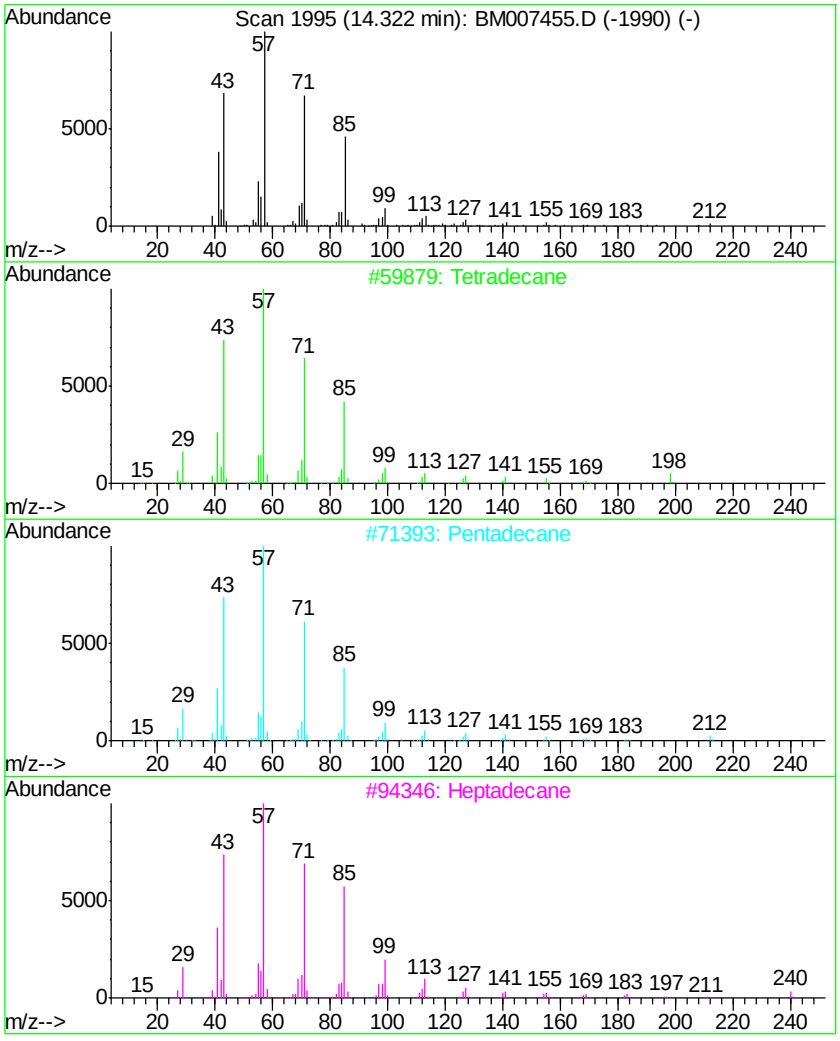
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

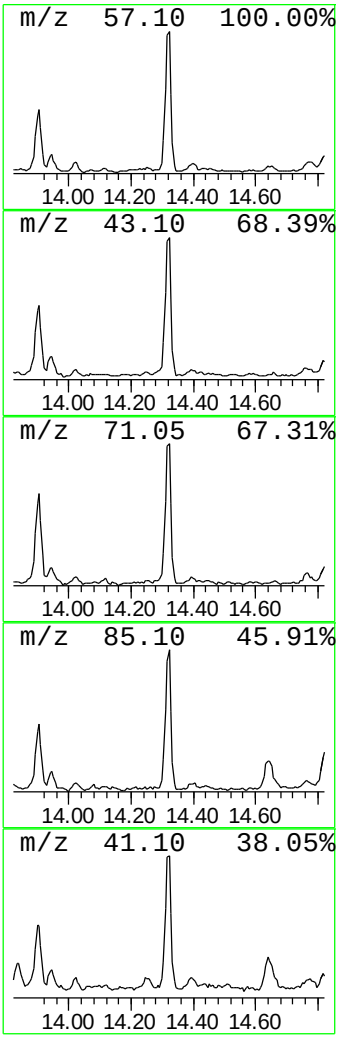
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	2.28 ng/ul	514068	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Pentadecane	212	C15H32	000629-62-9	90
3	Heptadecane	240	C17H36	000629-78-7	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Pentadecane	212	C15H32	000629-62-9	90





Library Search Compound Report

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Acq On : 08 Sep 2016 00:54
Operator : UM/SJ
Sample : H4666-19
Misc :
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Instrument : BNA_M
ClientSampleId : BD3B3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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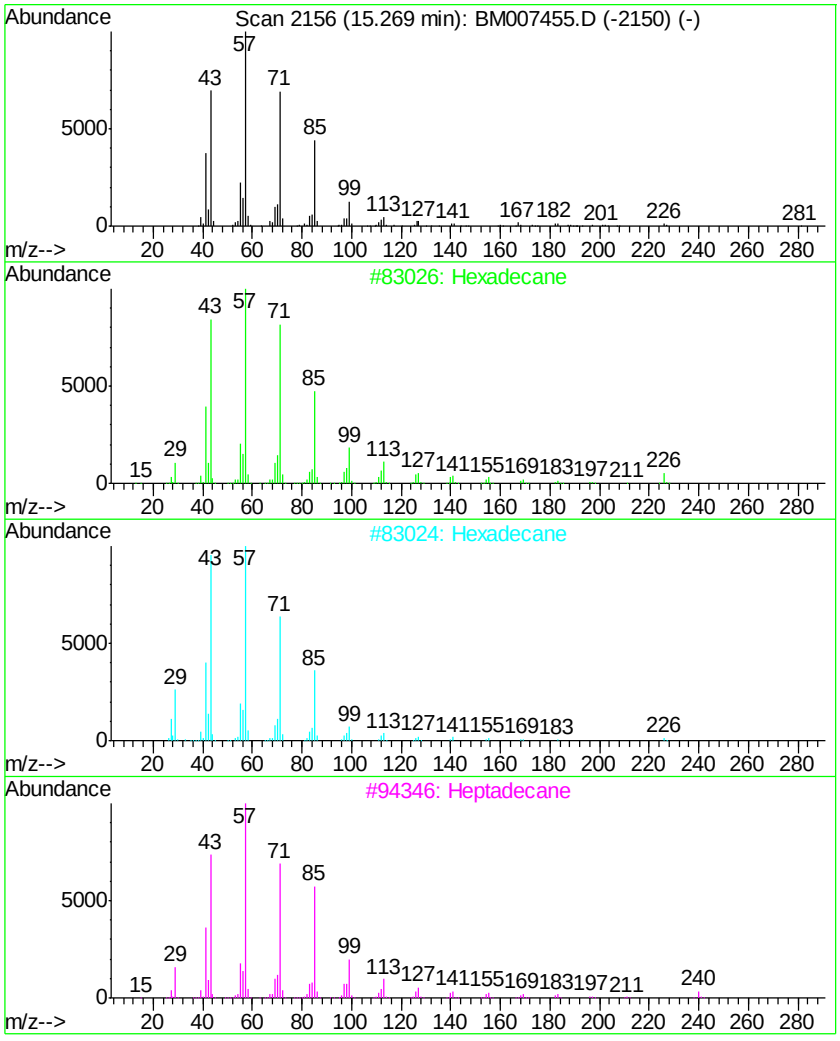
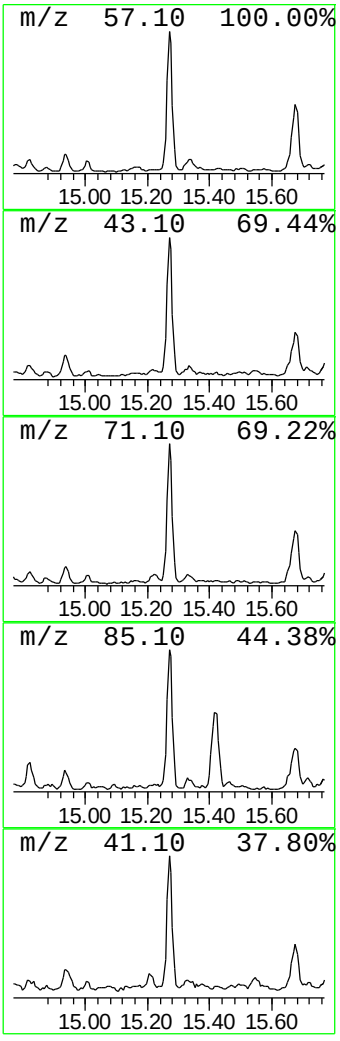
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	3.36 ng/ul	756040	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Heptadecane	240	C17H36	000629-78-7	90
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5	Hexadecane	226	C16H34	000544-76-3	80





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Instrument : BNA_M
ClientSampleId : BD3B3

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Quant Title : SVOA CALIBRATION

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

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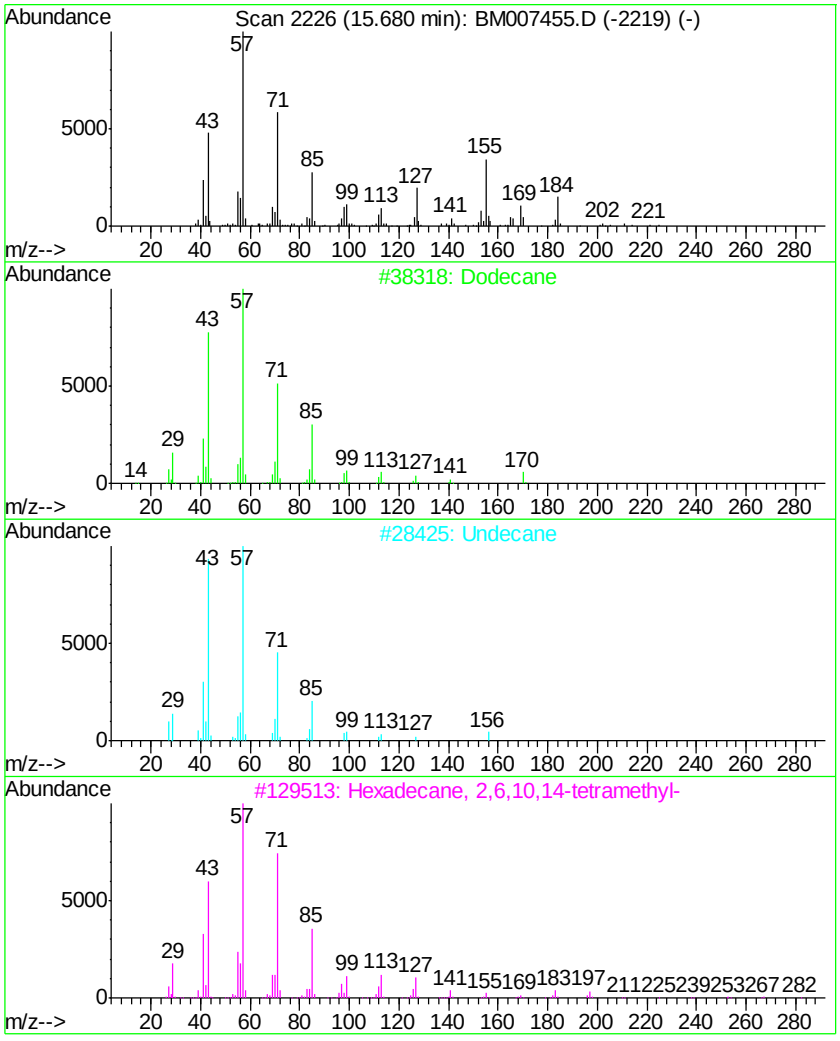
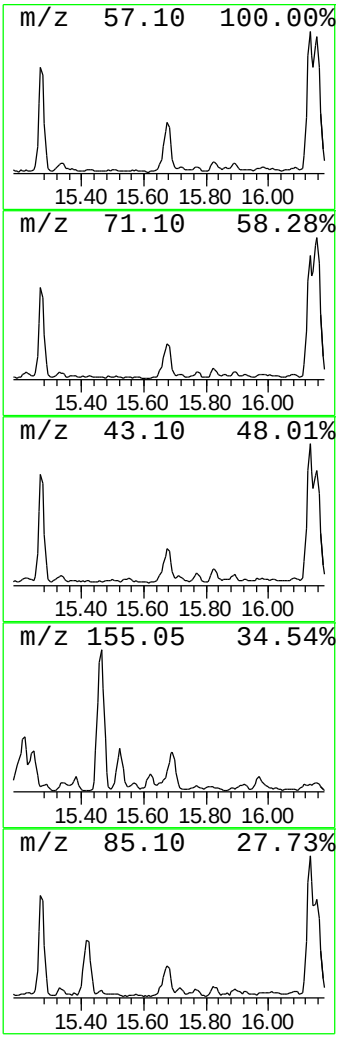
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	2.33 ng/ul	524250	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	53
2	Undecane	156	C11H24	001120-21-4	49
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	46
4	Undecane	156	C11H24	001120-21-4	46
5	Tetracosane	338	C24H50	000646-31-1	46





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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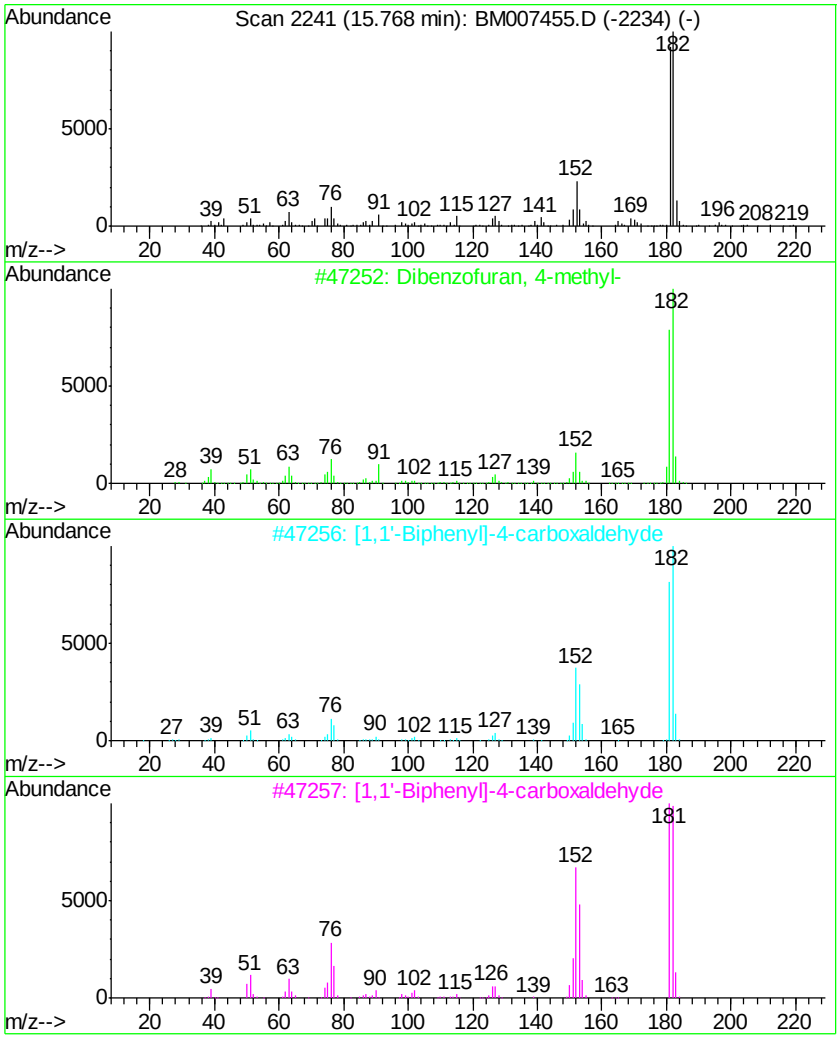
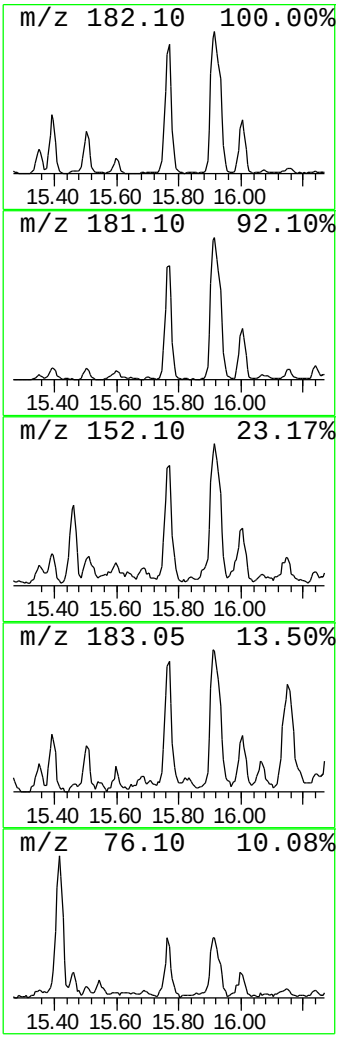
Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	3.18 ng/ul	717446	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





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ALS Vial : 23 Sample Multiplier: 1

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ClientSampleId : BD3B3

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Quant Title : SVOA CALIBRATION

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

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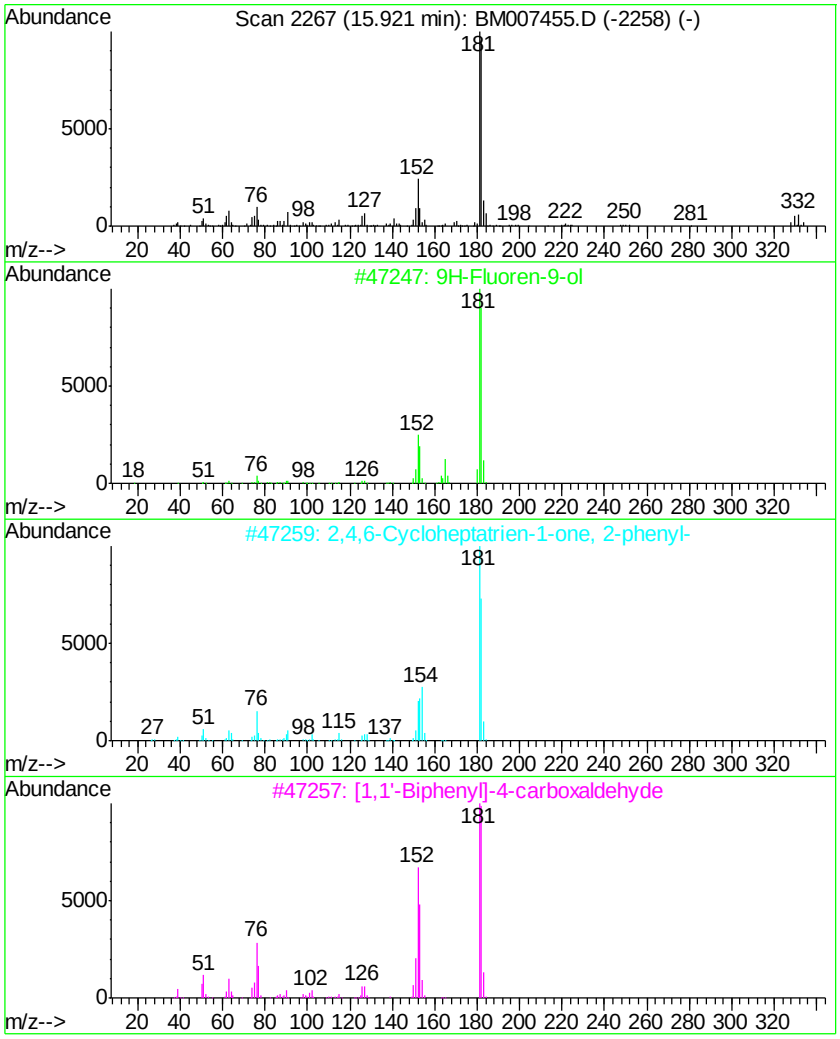
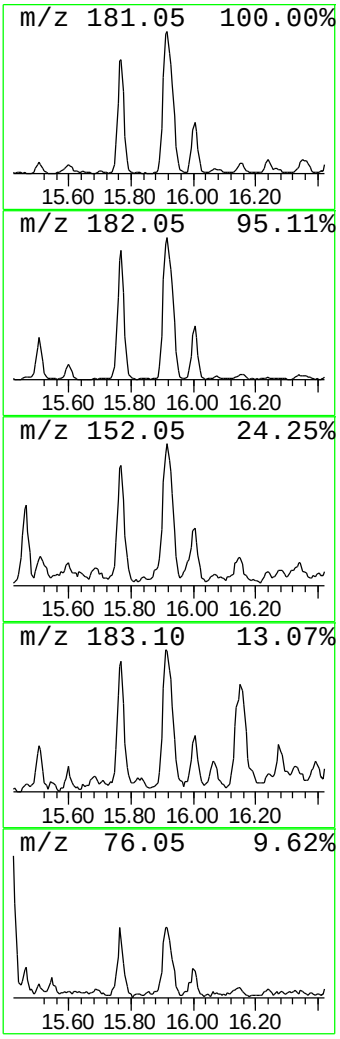
Peak Number 10 9H-Fluoren-9-ol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	4.17 ng/ul	1108890	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	68
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64





Library Search Compound Report

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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3B3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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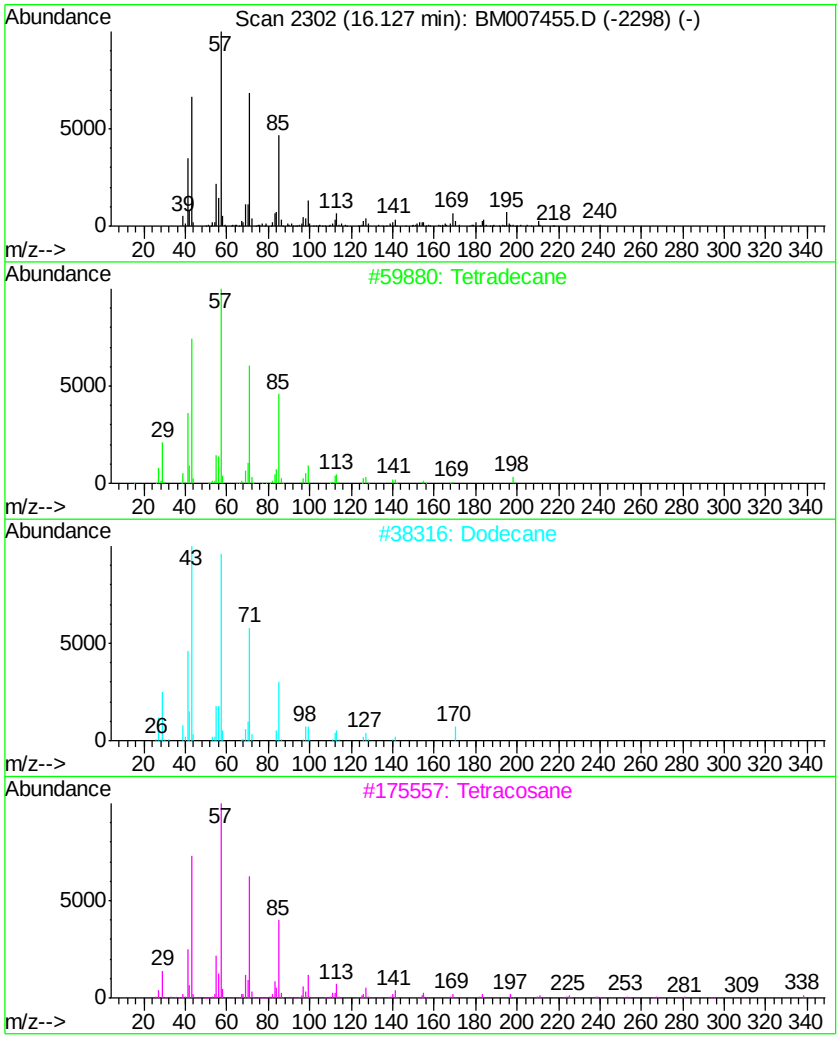
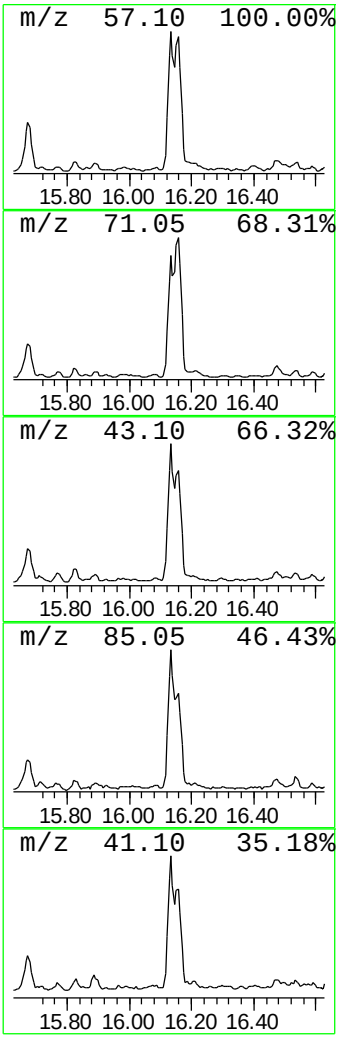
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	4.22 ng/ul	1121570	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	81
2	Dodecane	170	C12H26	000112-40-3	81
3	Tetracosane	338	C24H50	000646-31-1	74
4	Heneicosane	296	C21H44	000629-94-7	74
5	Tridecane	184	C13H28	000629-50-5	74





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3B3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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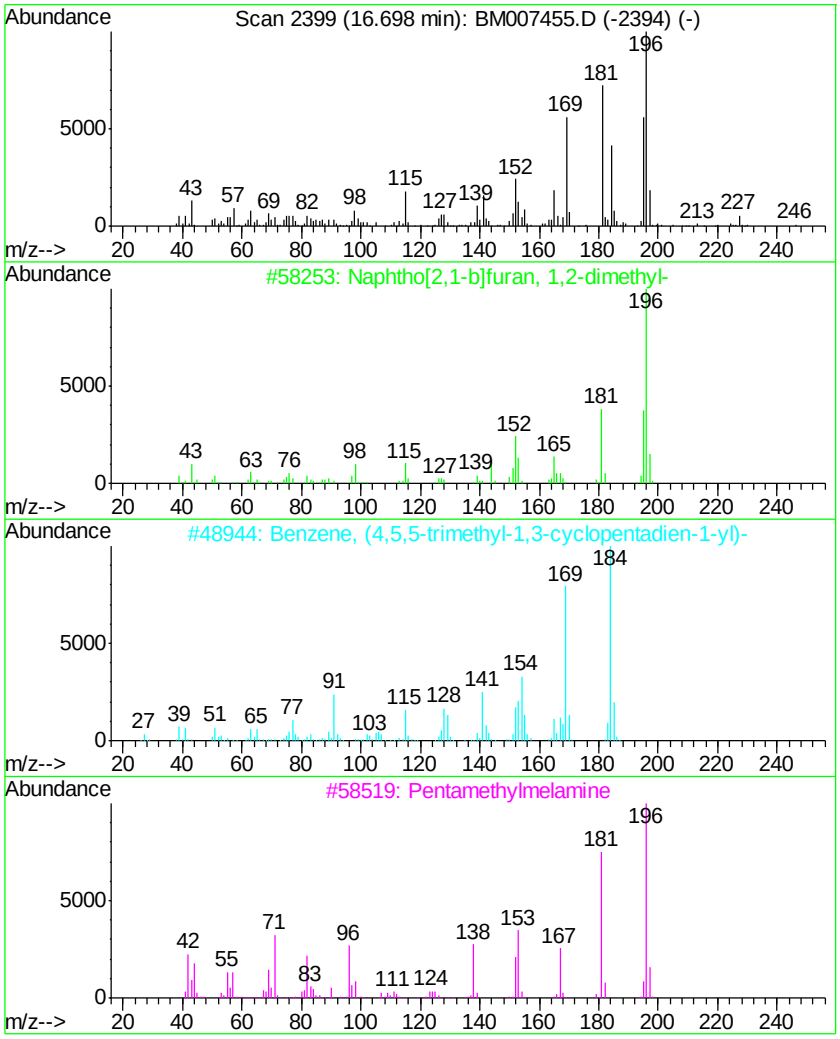
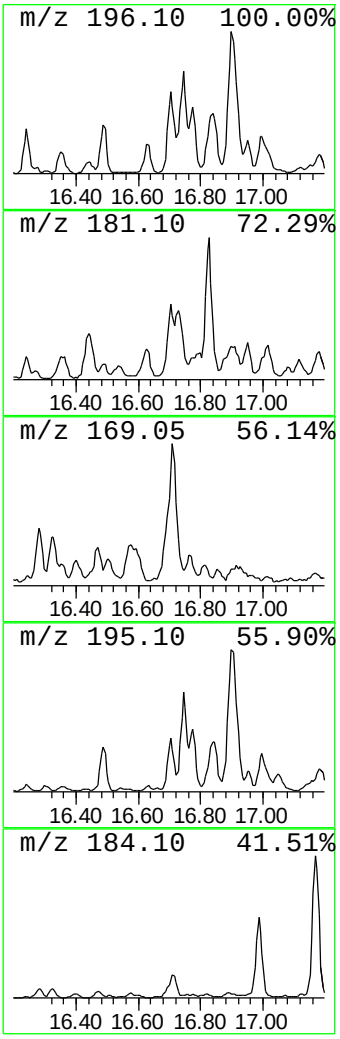
Peak Number 12 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	2.79 ng/ul	742087	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	50
2	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	42
3	Pentamethylmelamine	196	C8H16N6	035832-09-8	38
4	Benzaldehyde, 2,4,5-trimethoxy-	196	C10H12O4	004460-86-0	38
5	6'-Methyl-2'-acetonaphthone	184	C13H12O	024875-94-3	38





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ClientSampleId : BD3B3

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Quant Title : SVOA CALIBRATION

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

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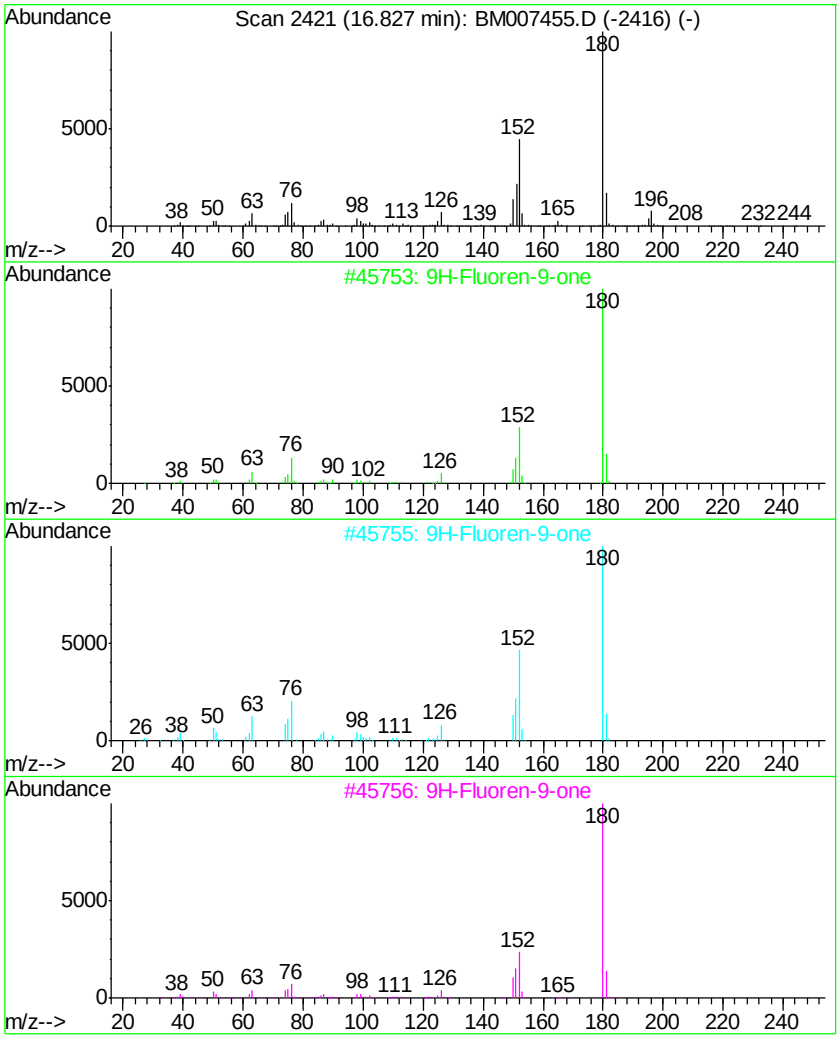
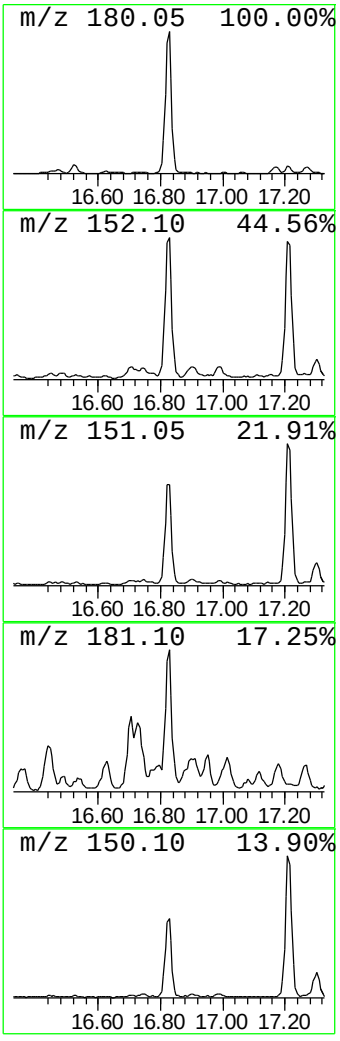
Peak Number 13 9H-Fluoren-9-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	5.80 ng/ul	1541250	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72





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Misc :
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Instrument : BNA_M
ClientSampleId : BD3B3

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Quant Title : SVOA CALIBRATION

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

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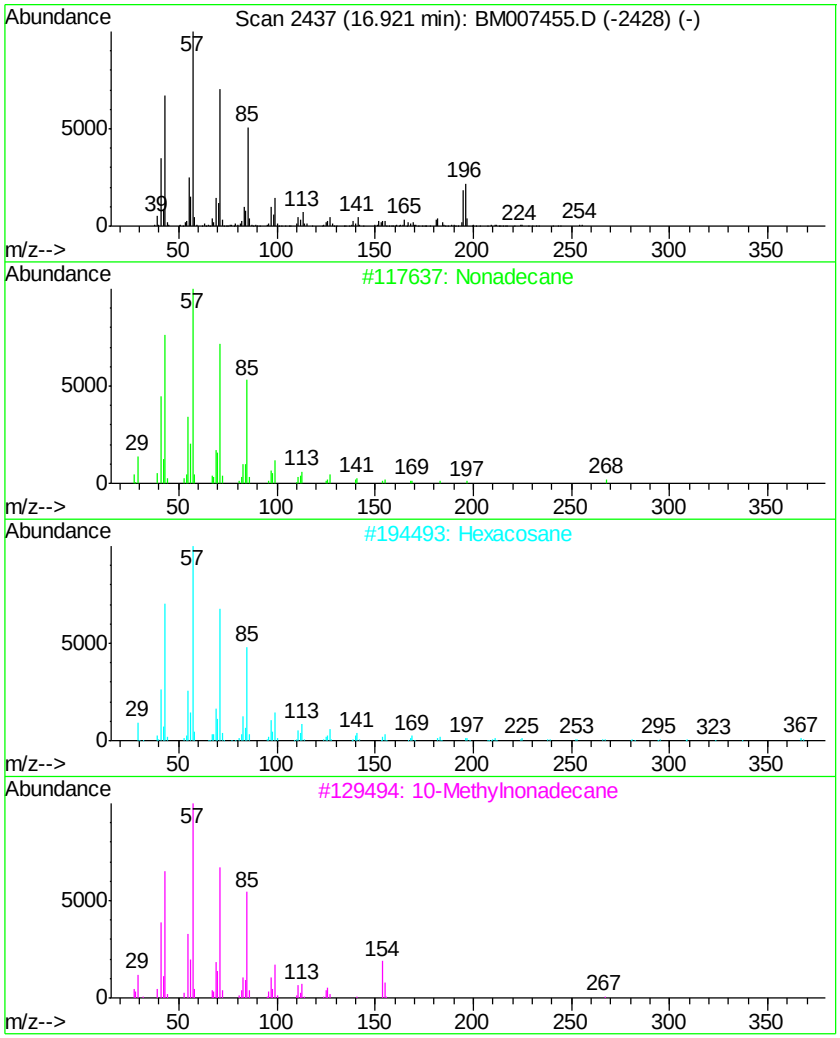
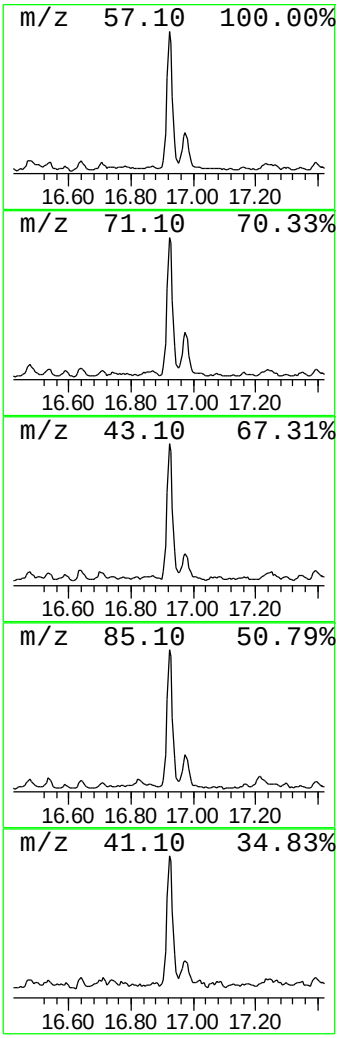
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	6.73 ng/ul	1788420	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	76
2	Hexacosane	366	C26H54	000630-01-3	76
3	10-Methylnonadecane	282	C20H42	056862-62-5	68
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	68
5	Heneicosane	296	C21H44	000629-94-7	68





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Quant Title : SVOA CALIBRATION

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

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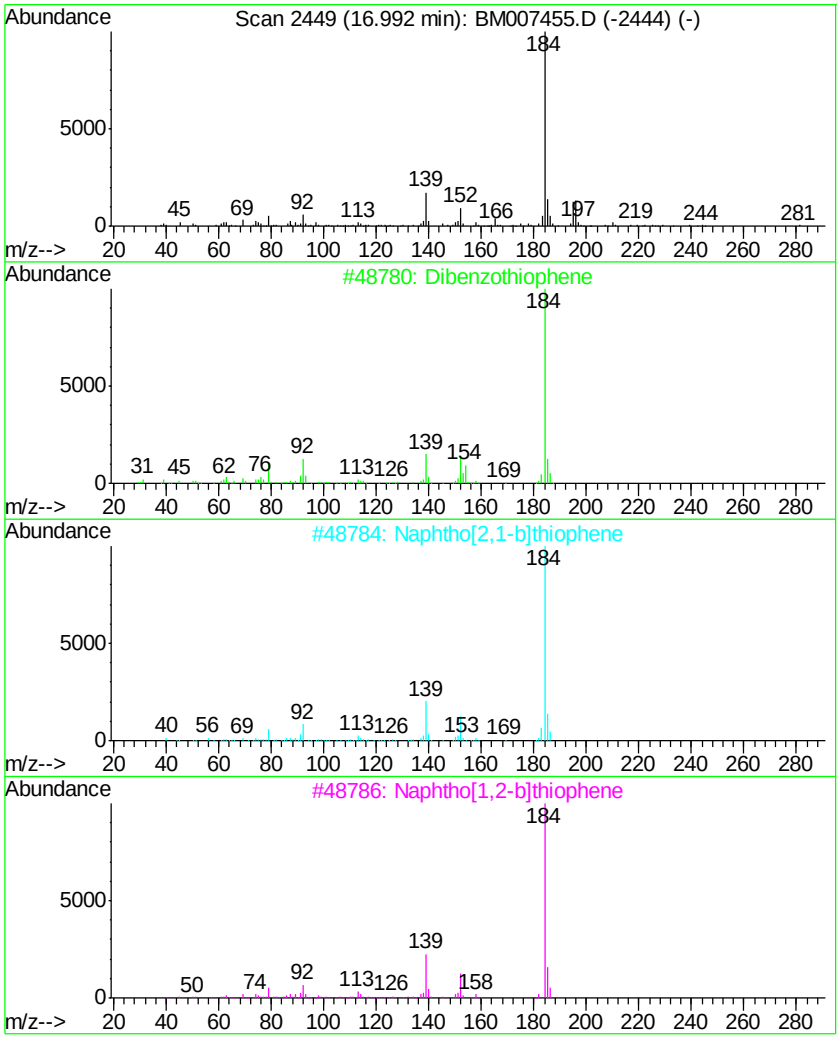
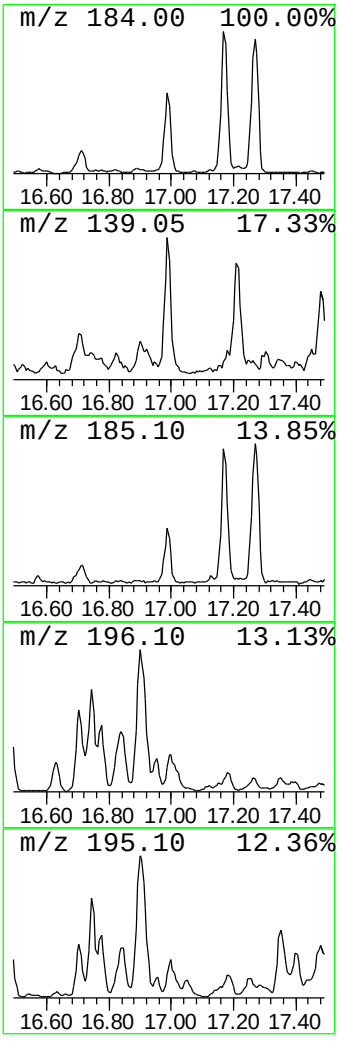
Peak Number 15 Dibenzothiophene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	3.00 ng/ul	797939	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
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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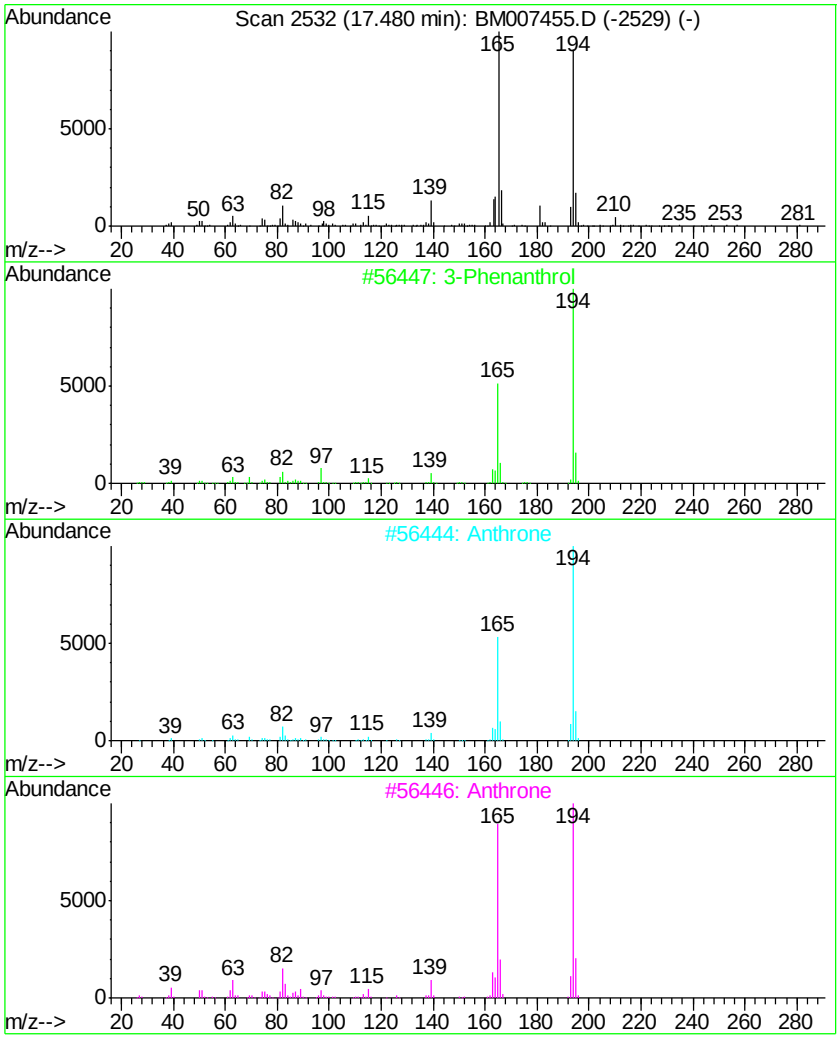
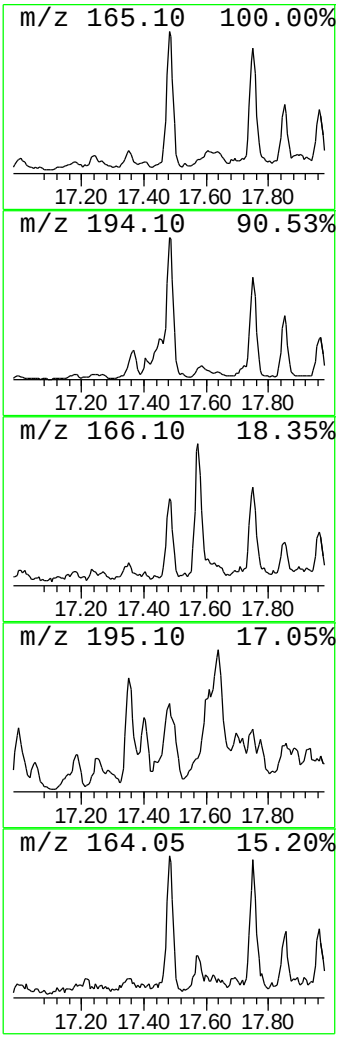
Peak Number 16 3-Phenanthrol Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	2.00 ng/ul	532325	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenanthrol	194	C14H10O	000605-87-8	93
2	Anthrone	194	C14H10O	000090-44-8	93
3	Anthrone	194	C14H10O	000090-44-8	93
4	2-Phenanthrenol	194	C14H10O	000605-55-0	90
5	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	86





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Quant Title : SVOA CALIBRATION

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

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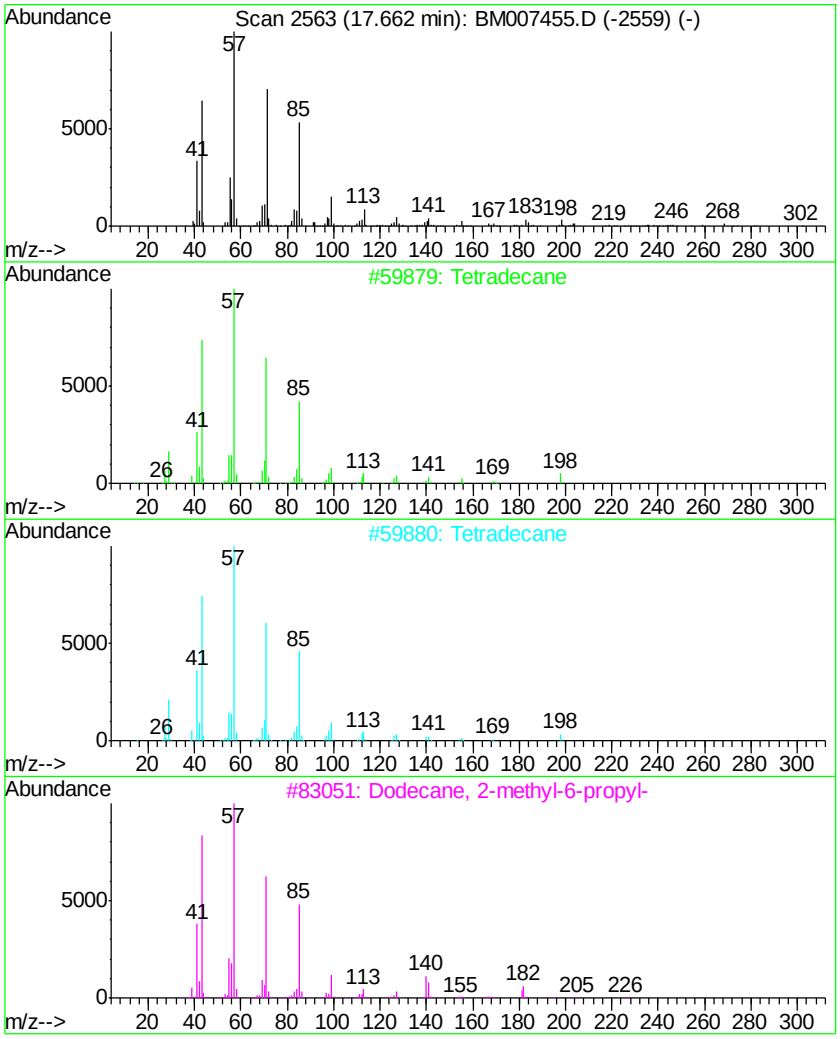
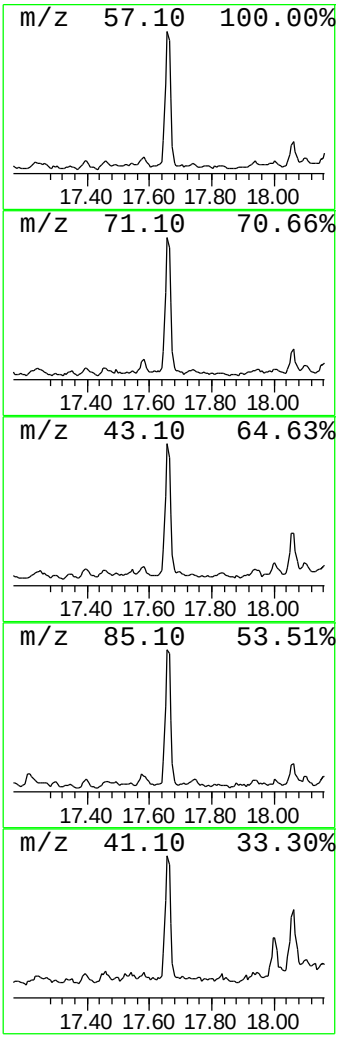
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	2.30 ng/ul	610296	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Tetradecane	198	C14H30	000629-59-4	93
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
4	Octadecane	254	C18H38	000593-45-3	91
5	Heneicosane	296	C21H44	000629-94-7	91





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Misc :
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Instrument : BNA_M
ClientSampleId : BD3B3

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Quant Title : SVOA CALIBRATION

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

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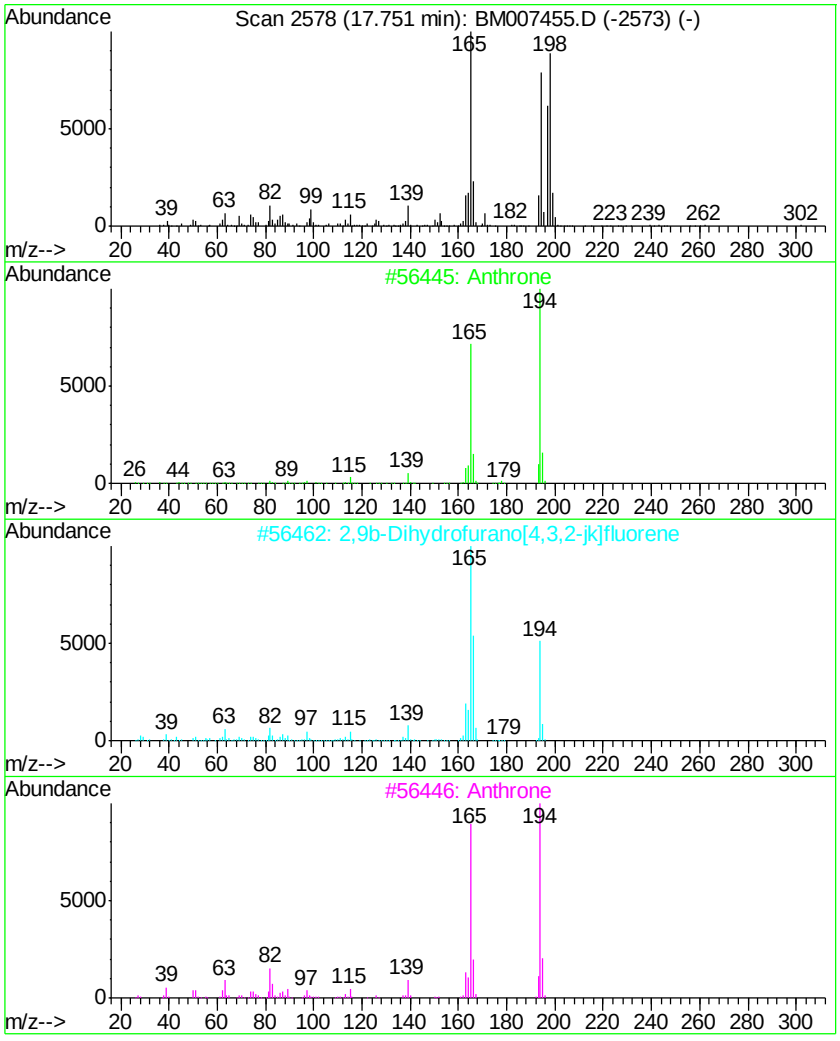
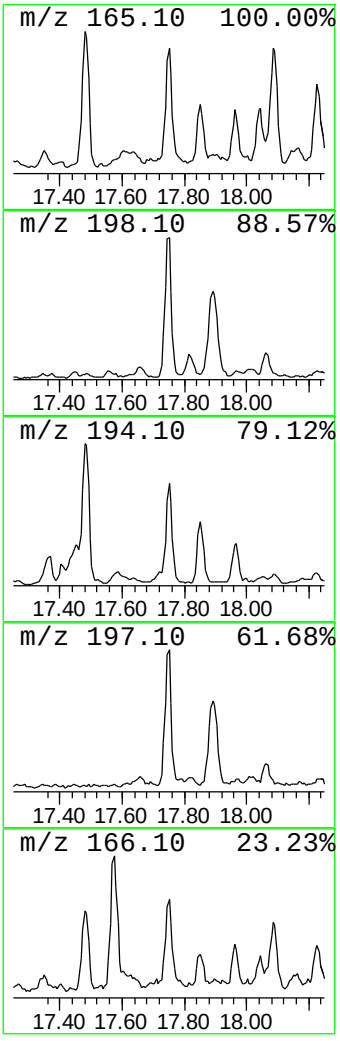
Peak Number 18 Anthrone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	2.72 ng/ul	724145	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	53
2	2,9b-Dihydrofurano[4,3,2-jk]fluo...	194	C14H10O	204396-15-6	49
3	Anthrone	194	C14H10O	000090-44-8	49
4	3-Phenanthrol	194	C14H10O	000605-87-8	49
5	1-Phenanthrenol	194	C14H10O	002433-56-9	49





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Operator : UM/SJ
Sample : H4666-19
Misc :
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Instrument : BNA_M
ClientSampleId : BD3B3

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Quant Title : SVOA CALIBRATION

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

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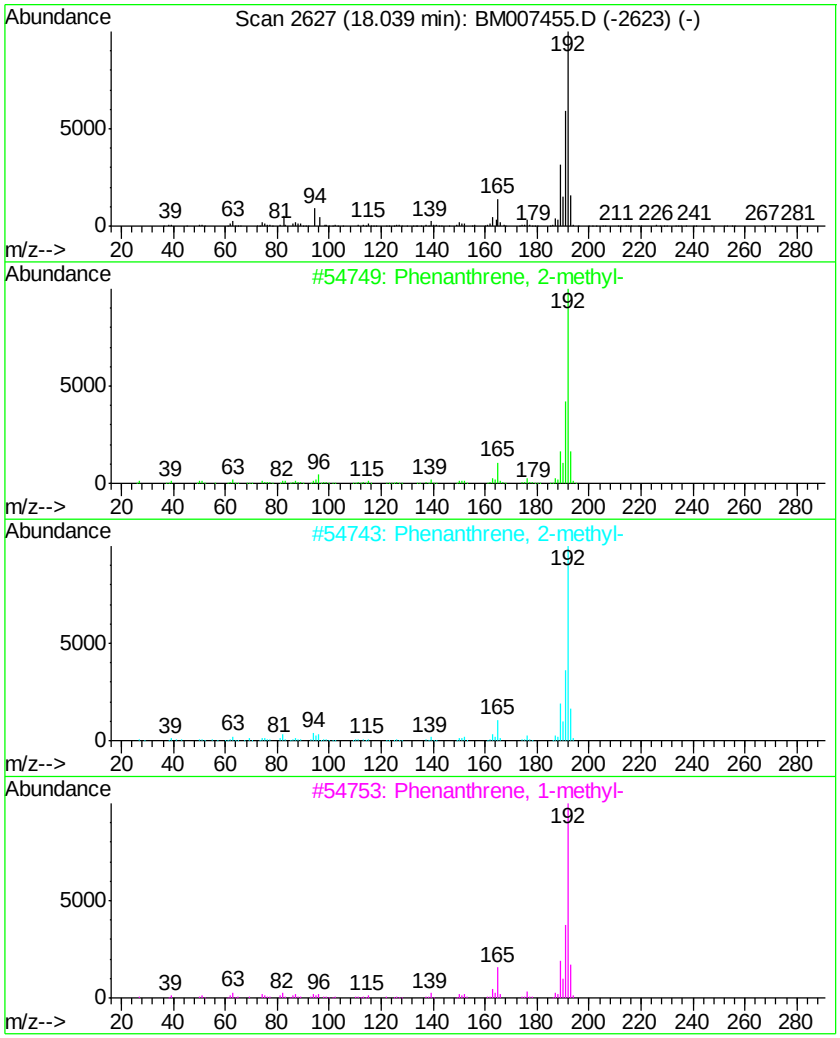
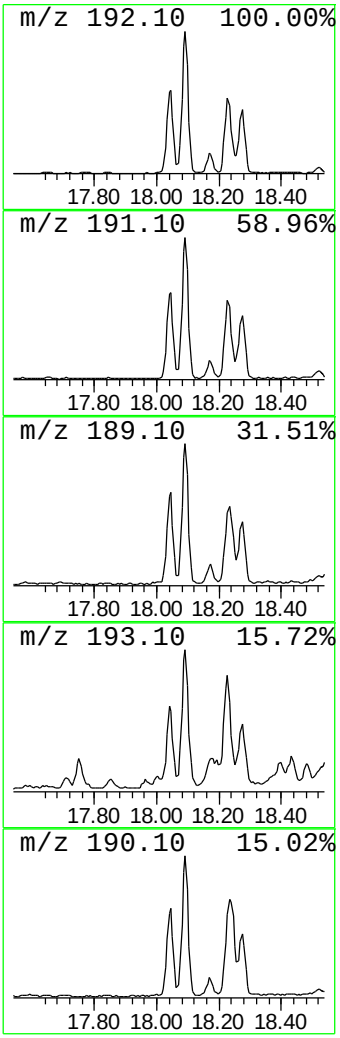
Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	5.93 ng/ul	1576890	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91





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Sample : H4666-19
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Instrument : BNA_M
ClientSampleId : BD3B3

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Quant Title : SVOA CALIBRATION

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

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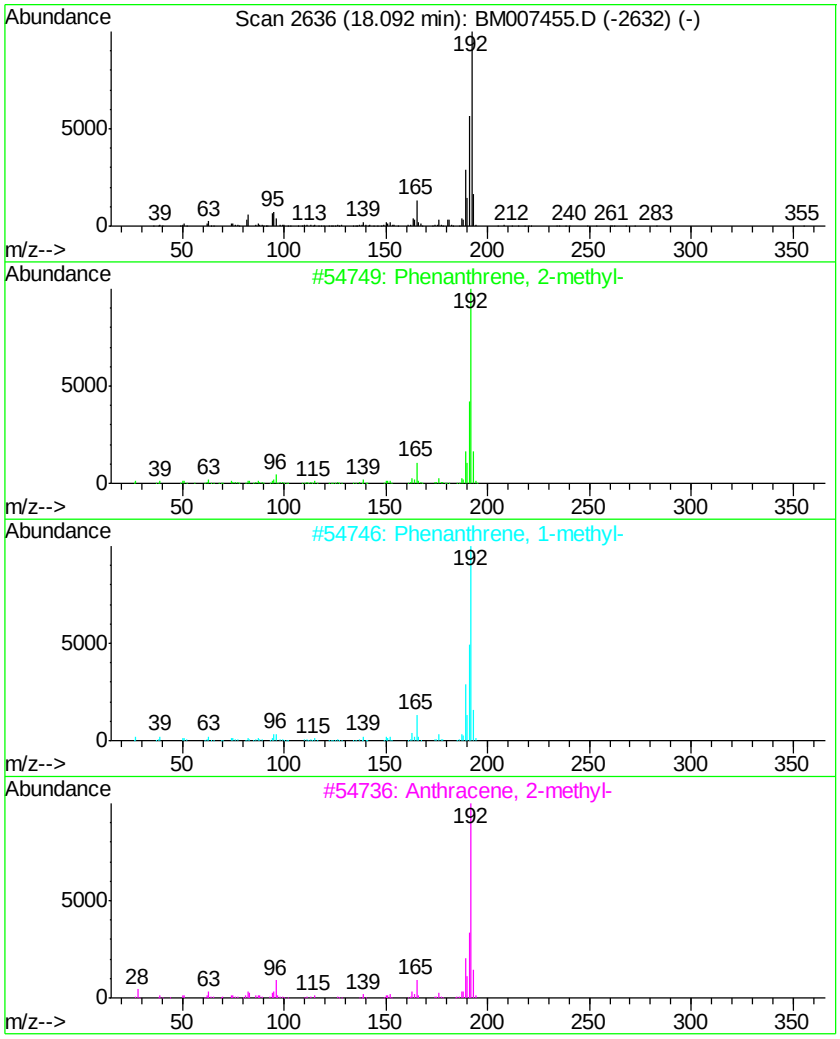
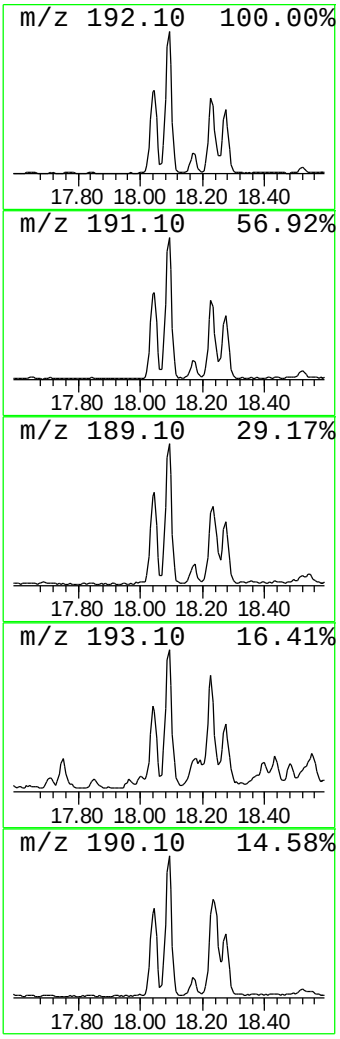
Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	7.93 ng/ul	2107210	Phenanthrene-d10	17.17

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





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ClientSampleId : BD3B3

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Quant Title : SVOA CALIBRATION

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

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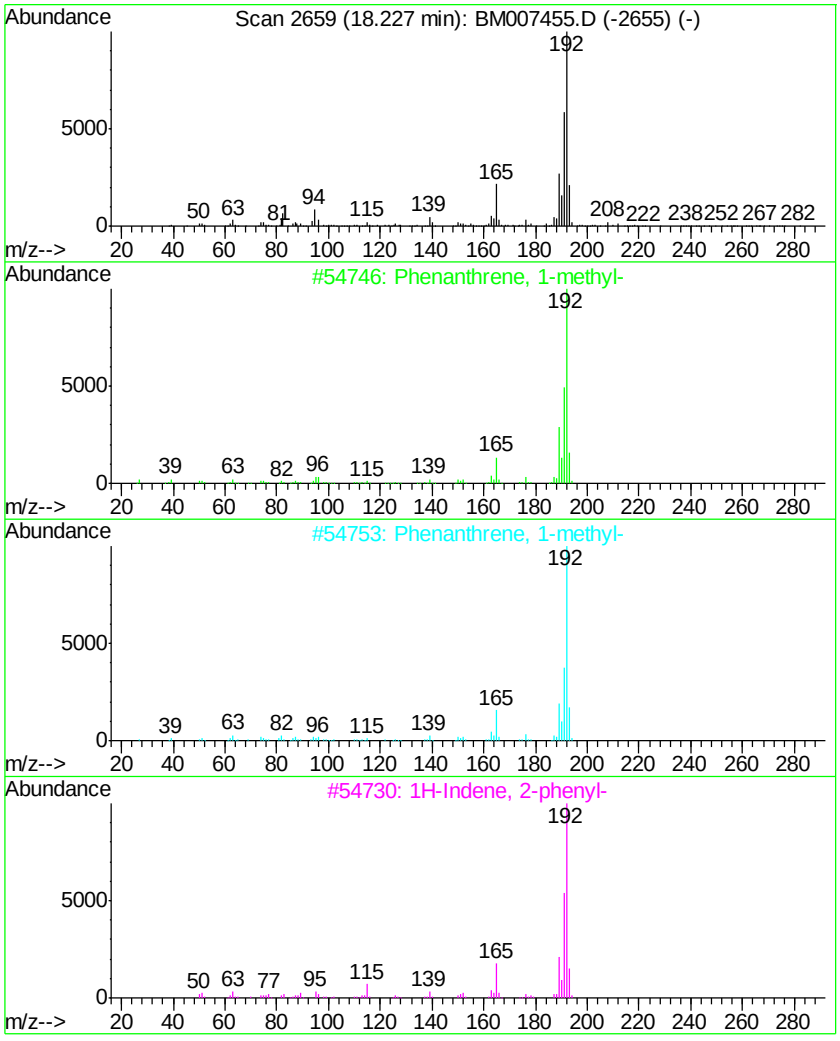
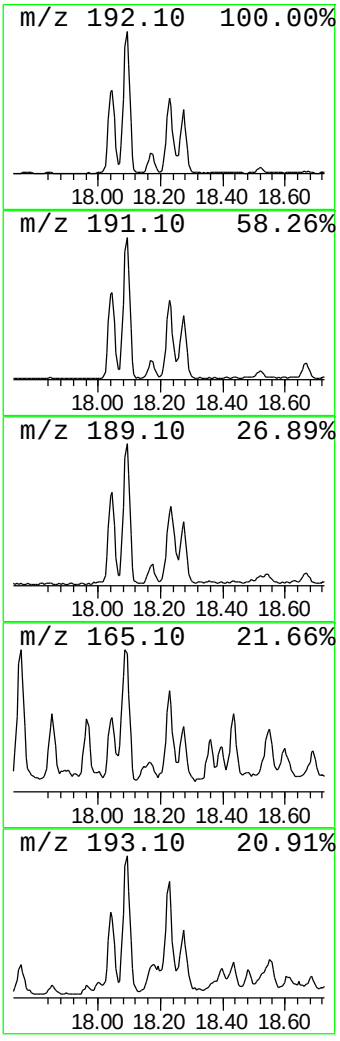
Peak Number 21 1H-Indene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.89 ng/ul	1034660	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91





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ClientSampleId : BD3B3

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Quant Title : SVOA CALIBRATION

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

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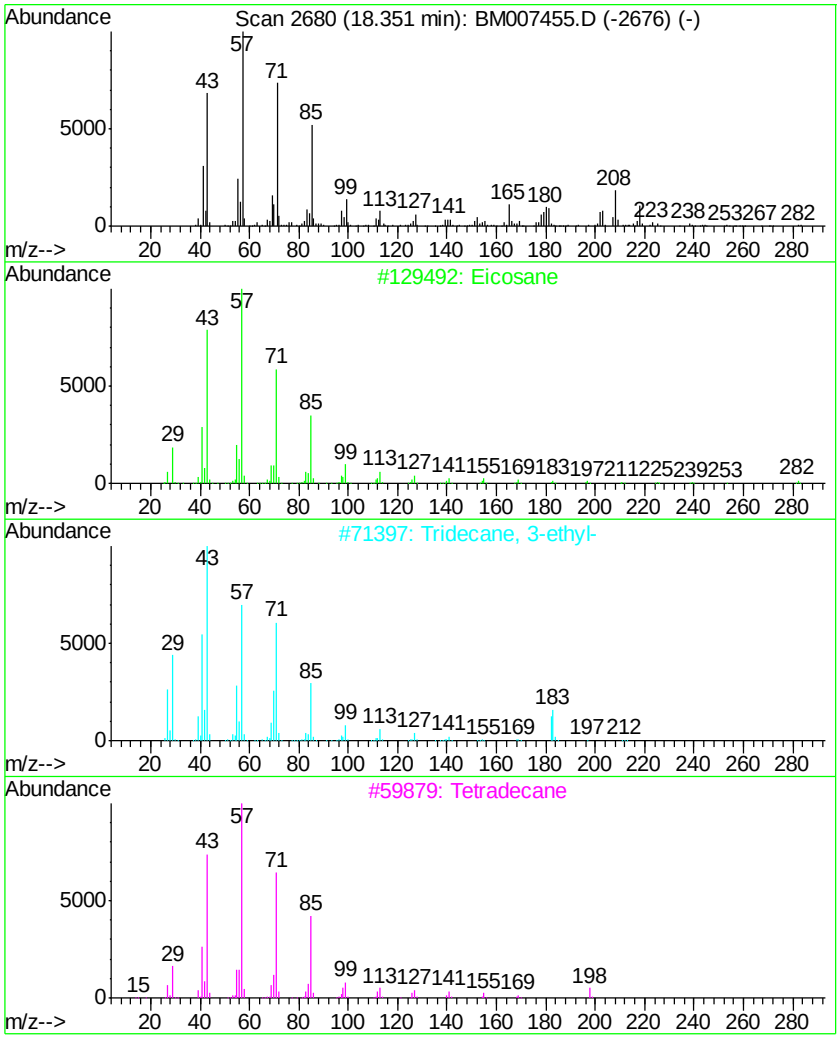
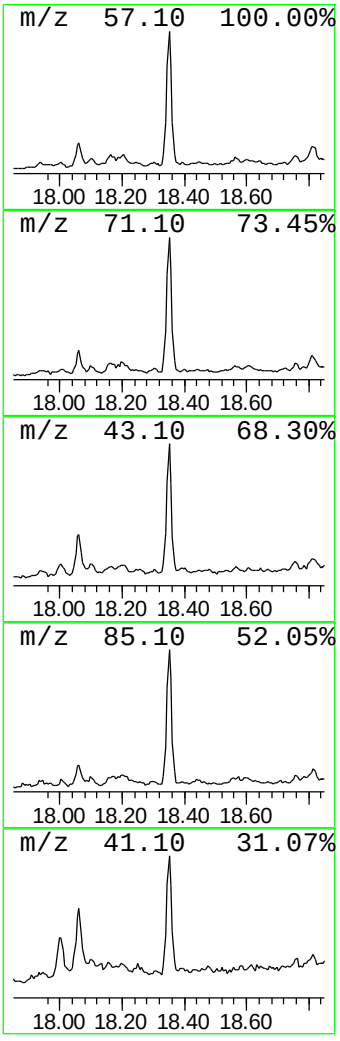
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	3.80 ng/ul	1010750	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	83
2	Tridecane, 3-ethyl-	212	C15H32	013286-73-2	76
3	Tetradecane	198	C14H30	000629-59-4	68
4	Octadecane	254	C18H38	000593-45-3	68
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	68





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Quant Title : SVOA CALIBRATION

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

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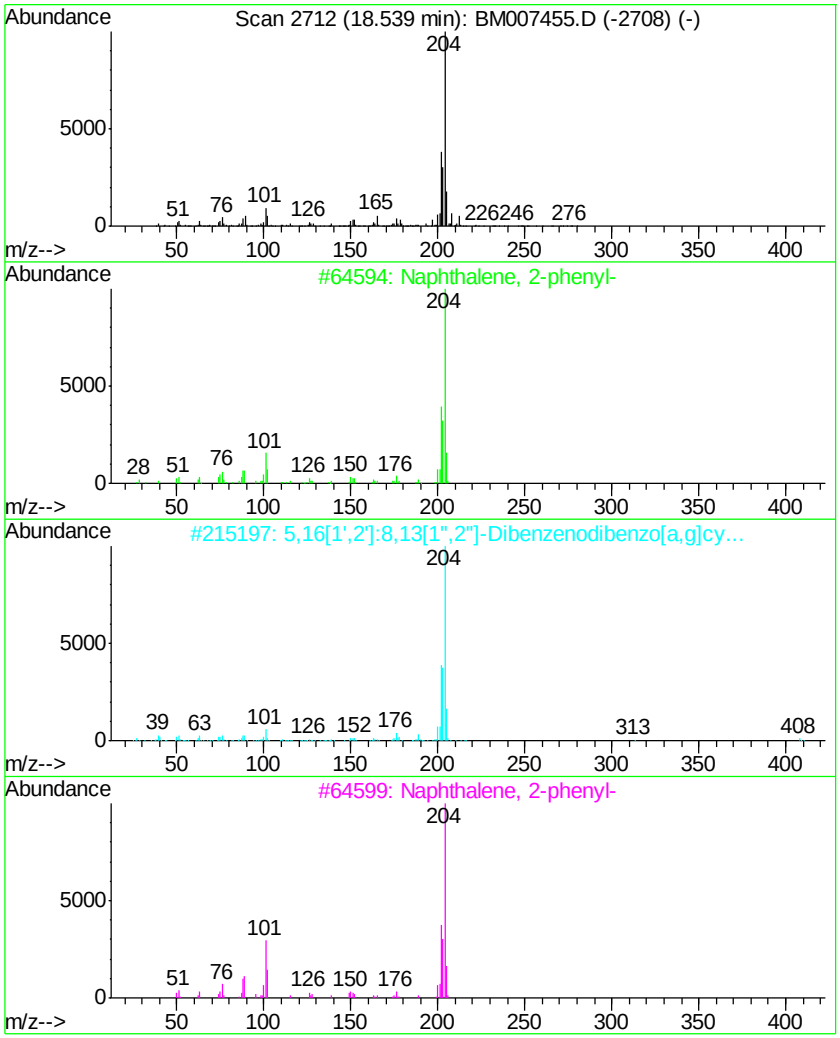
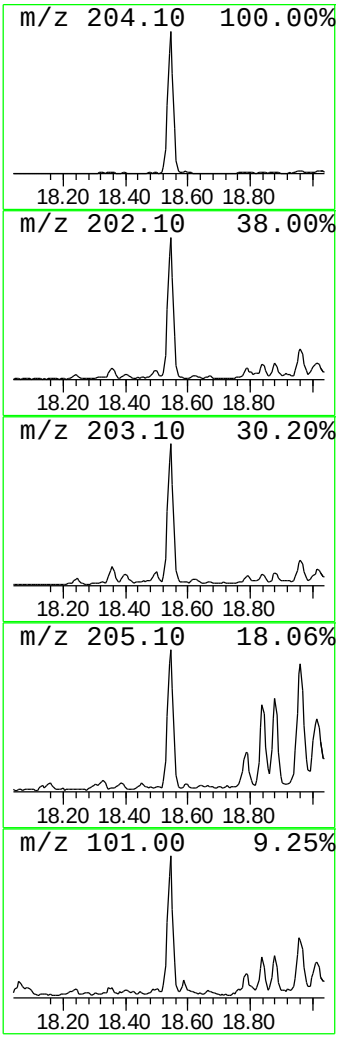
Peak Number 24 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	5.93 ng/ul	1576980	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74





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Instrument : BNA_M
ClientSampleId : BD3B3

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Quant Title : SVOA CALIBRATION

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

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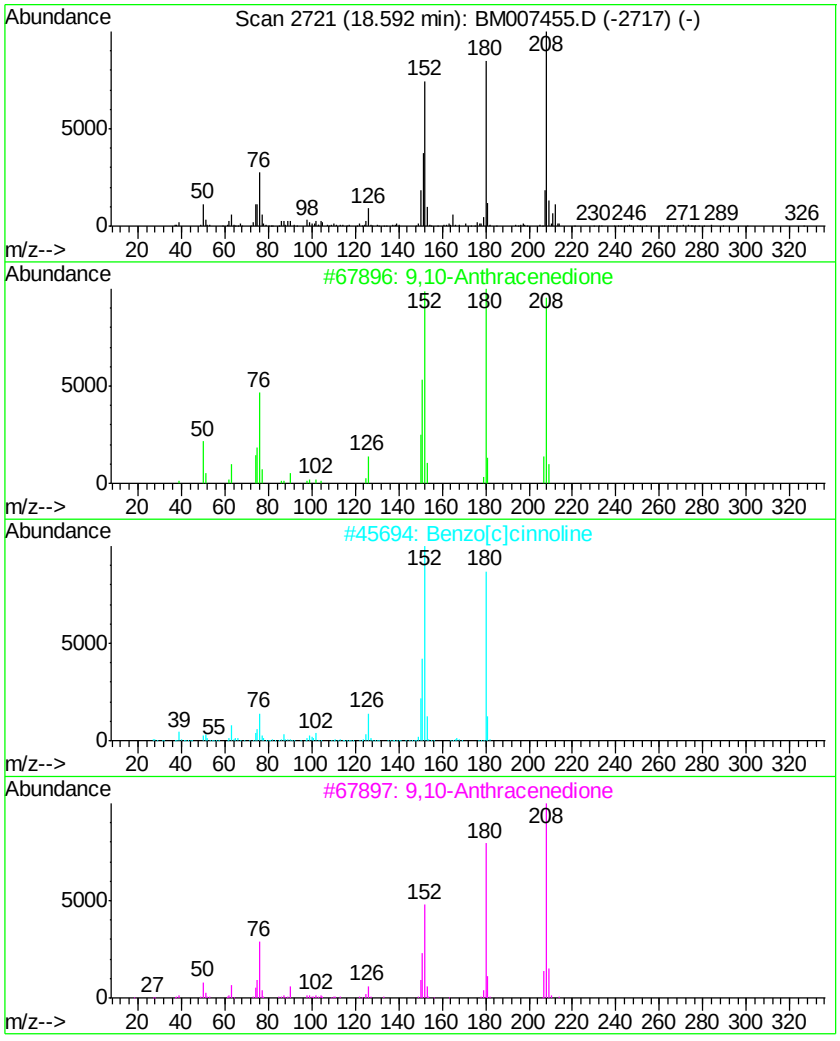
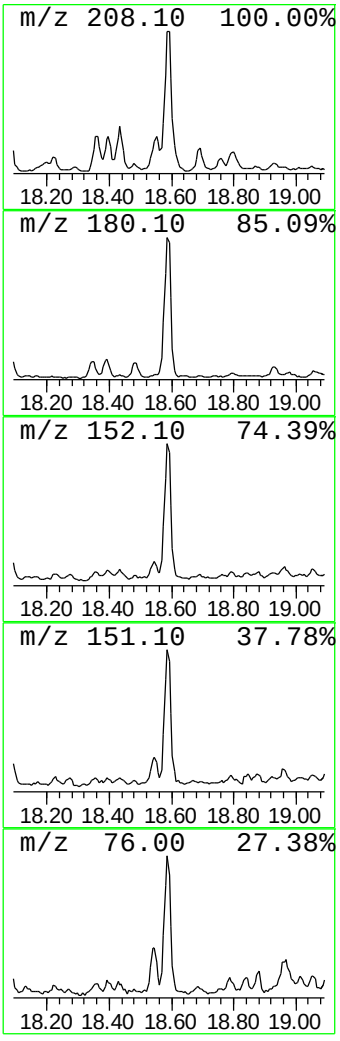
Peak Number 25 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	4.90 ng/ul	1303900	Phenanthrene-d10	17.17

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	93
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Instrument : BNA_M
ClientSampleId : BD3B3

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Quant Title : SVOA CALIBRATION

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

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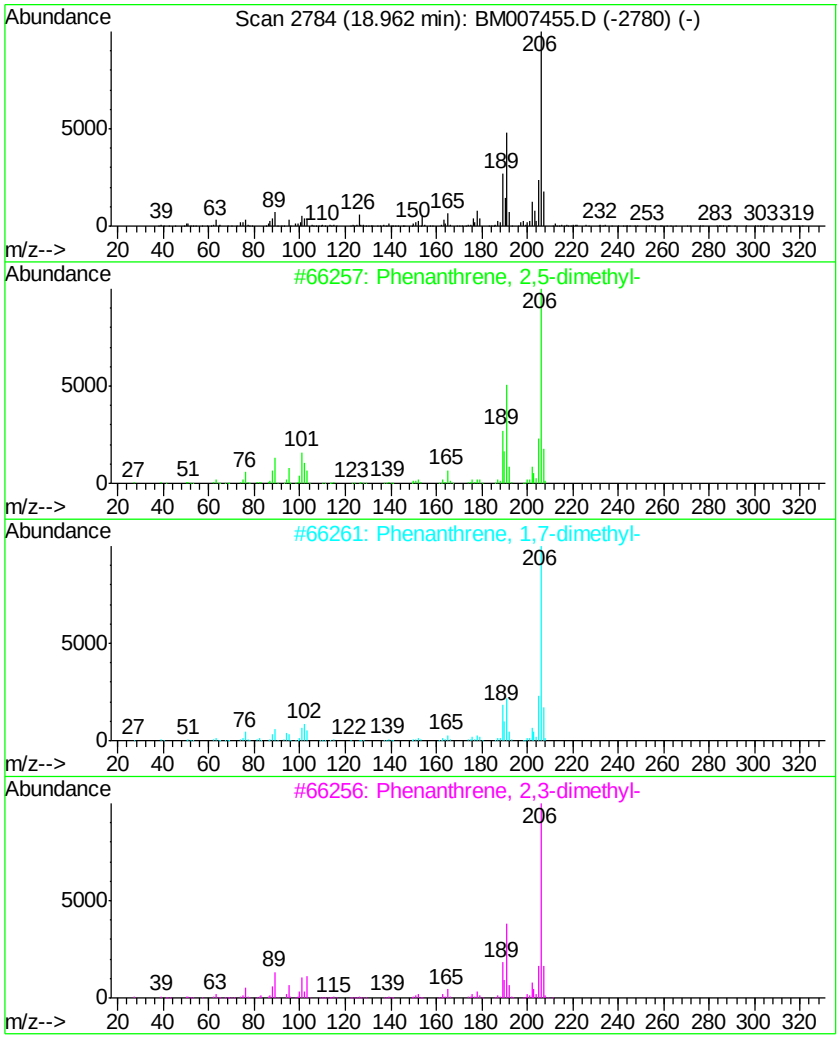
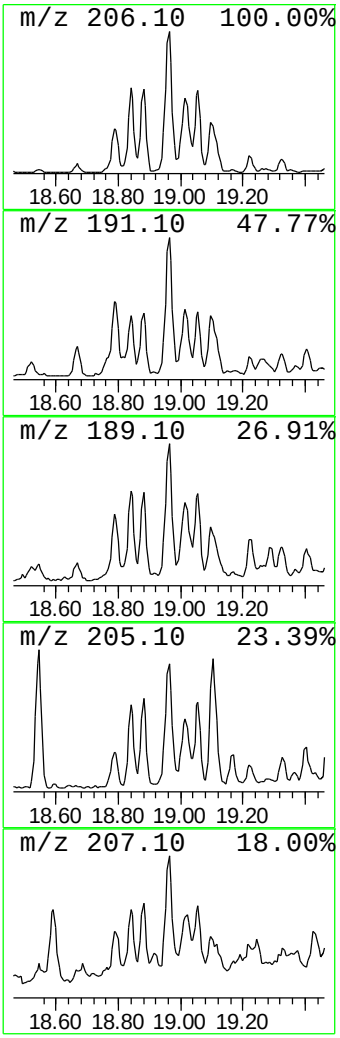
Peak Number 26 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	4.67 ng/ul	1241650	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





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Instrument : BNA_M
ClientSampleId : BD3B3

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Quant Title : SVOA CALIBRATION

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

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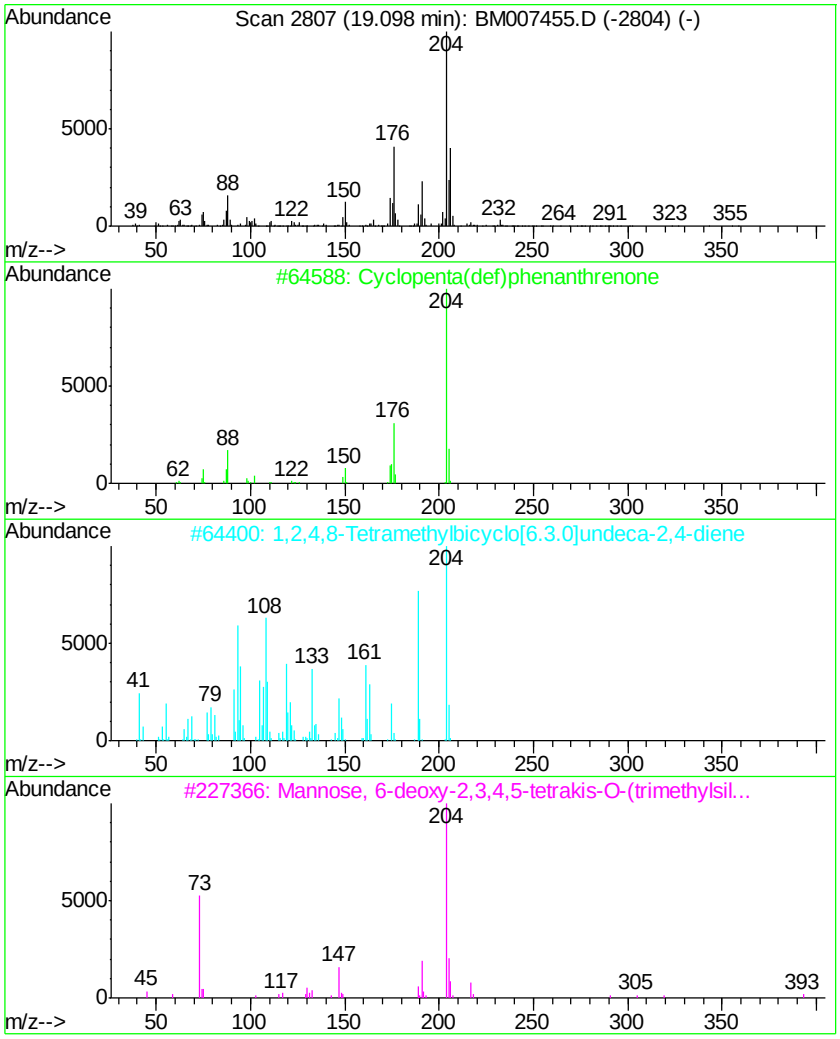
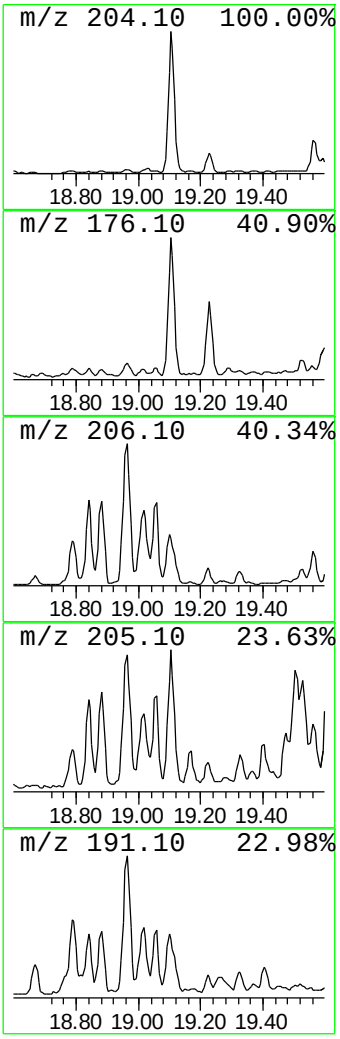
Peak Number 27 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	5.23 ng/ul	1389480	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	43
4	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38





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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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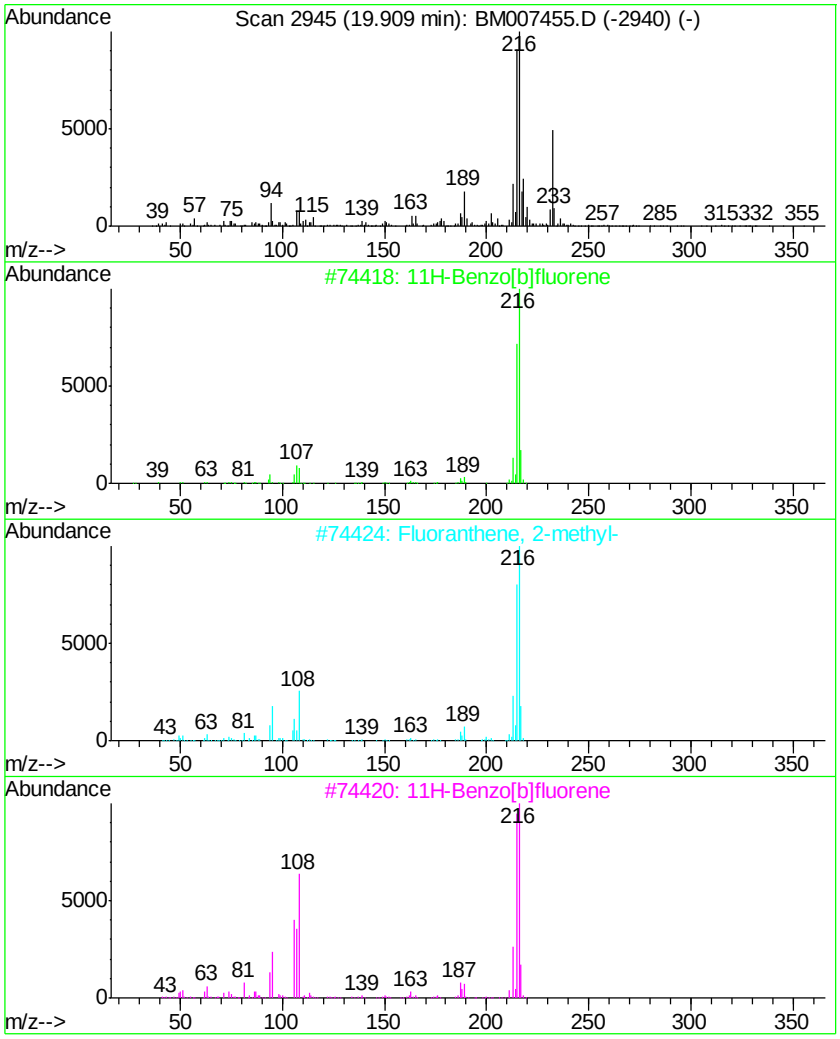
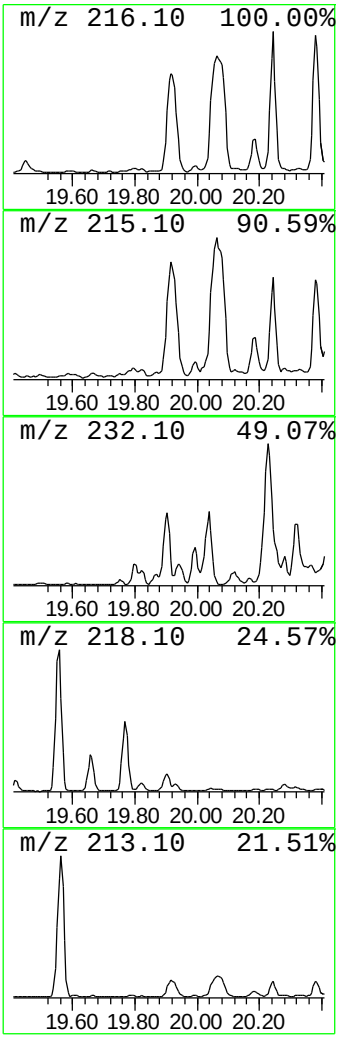
Peak Number 28 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	3.84 ng/ul	2333500	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	58





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Quant Title : SVOA CALIBRATION

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

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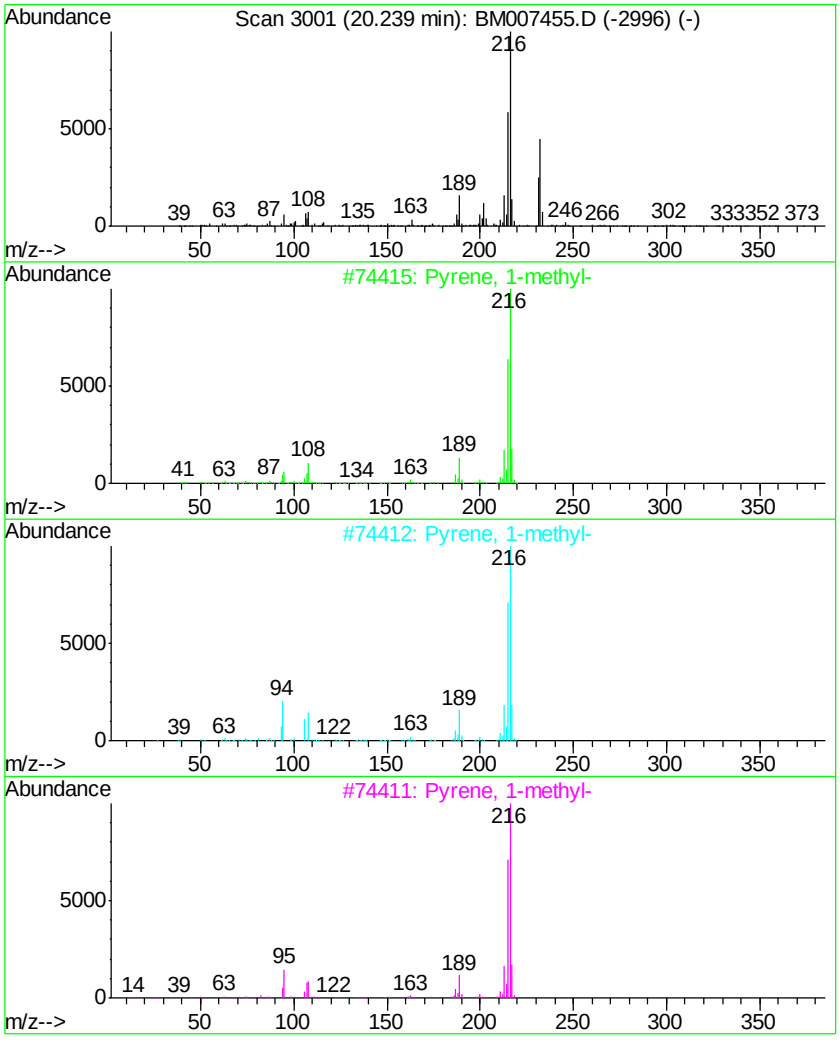
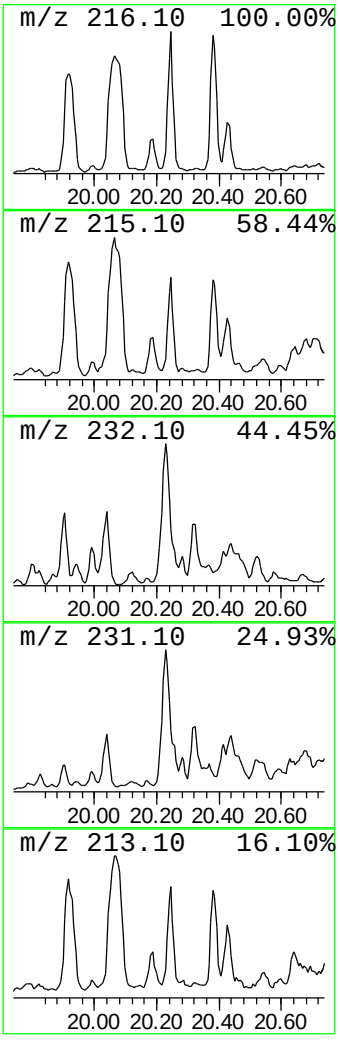
Peak Number 29 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	2.37 ng/ul	1438810	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Quant Title : SVOA CALIBRATION

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

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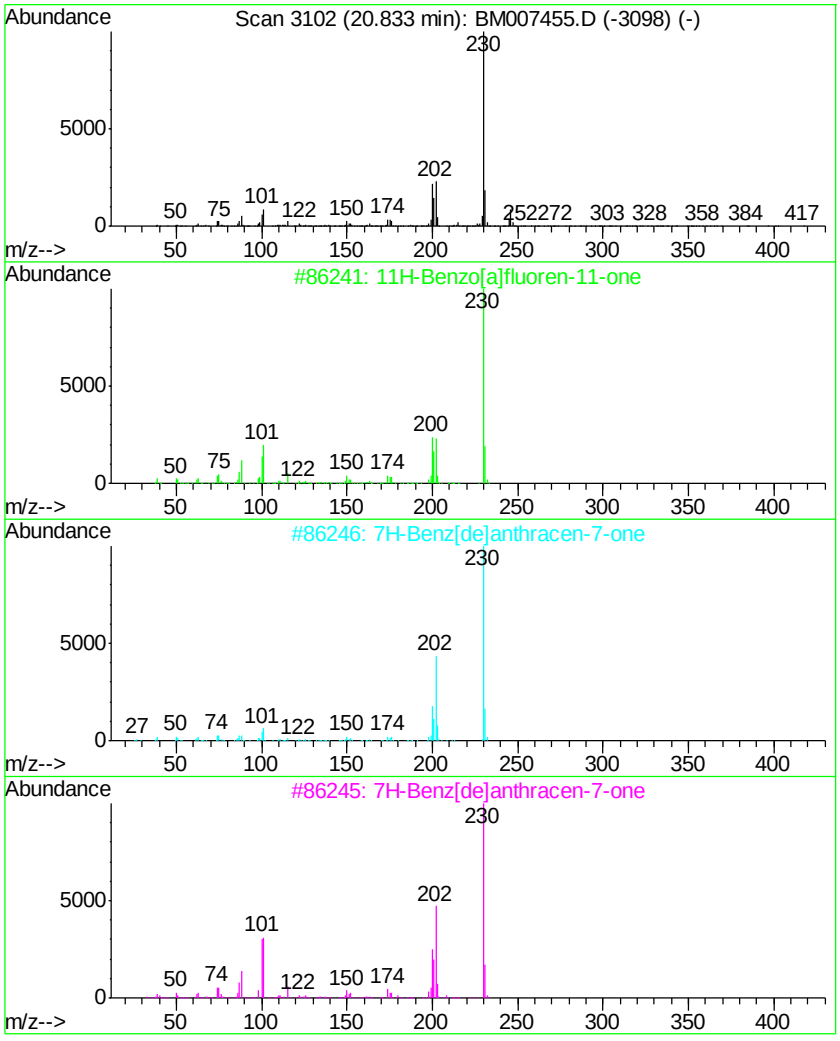
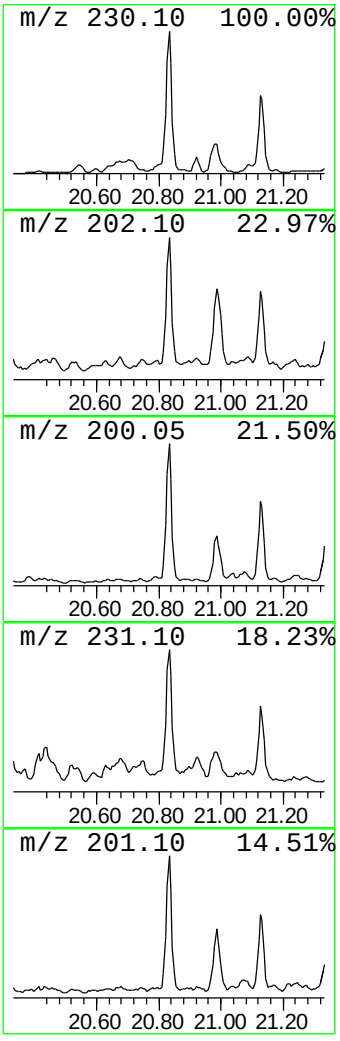
Peak Number 30 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	4.14 ng/ul	2518570	Chrysene-d12	21.35

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	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	80





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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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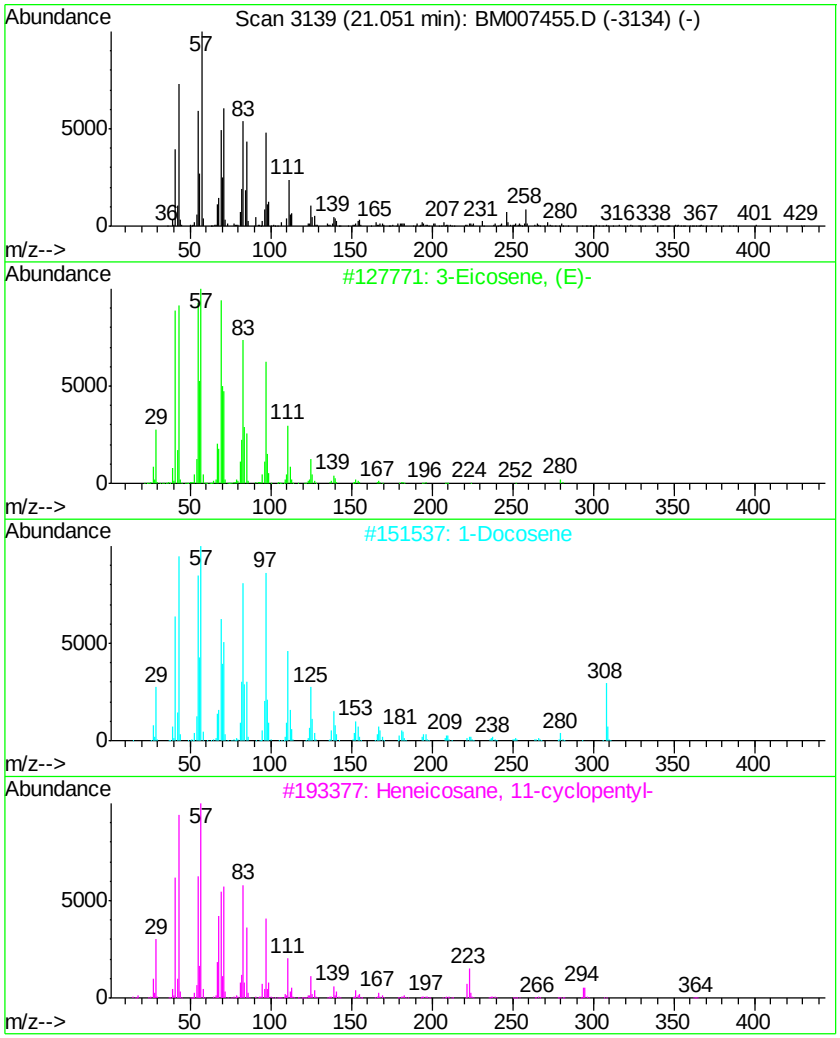
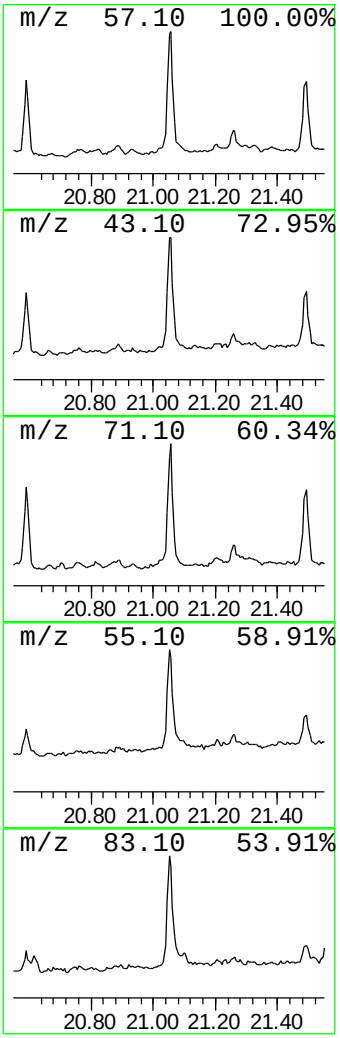
Peak Number 32 (DEL) Alkane: Cyclic21.05 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	5.10 ng/ul	3100210	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
2	1-Docosene	308	C22H44	001599-67-3	93
3	Heneicosane, 11-cyclopentyl-	364	C26H52	006703-81-7	93
4	Oxalic acid, hexadecyl propyl ester	356	C21H40O4	1000309-26-9	91
5	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007455.D
Acq On : 08 Sep 2016 00:54
Operator : UM/SJ
Sample : H4666-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3B3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.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
Benzene, 1,3-dime...	5.82	3.4	ng/ul	285522	1	7.79	1688070	20.0
(DEL) Alkane: Str...	11.99	2.1	ng/ul	309602	2	10.57	2926830	20.0
Naphthalene, 1-me...	12.46	5.7	ng/ul	829047	2	10.57	2926830	20.0
Naphthalene, 2,3-...	13.74	3.3	ng/ul	734695	3	14.43	4506940	20.0
(DEL) Alkane: Str...	14.32	2.3	ng/ul	514068	3	14.43	4506940	20.0
(DEL) Alkane: Str...	15.27	3.4	ng/ul	756040	3	14.43	4506940	20.0
(DEL) Alkane: Str...	15.68	2.3	ng/ul	524250	3	14.43	4506940	20.0
Dibenzofuran, 4-m...	15.77	3.2	ng/ul	717446	3	14.43	4506940	20.0
9H-Fluoren-9-ol	15.92	4.2	ng/ul	1108890	4	17.17	5317300	20.0
(DEL) Alkane: Str...	16.13	4.2	ng/ul	1121570	4	17.17	5317300	20.0
Naphtho[2,1-b]fur...	16.70	2.8	ng/ul	742087	4	17.17	5317300	20.0
9H-Fluoren-9-one	16.83	5.8	ng/ul	1541250	4	17.17	5317300	20.0
(DEL) Alkane: Str...	16.92	6.7	ng/ul	1788420	4	17.17	5317300	20.0
Dibenzothiophene	16.99	3.0	ng/ul	797939	4	17.17	5317300	20.0
3-Phenanthrol	17.48	2.0	ng/ul	532325	4	17.17	5317300	20.0
(DEL) Alkane: Str...	17.66	2.3	ng/ul	610296	4	17.17	5317300	20.0
Anthrone	17.75	2.7	ng/ul	724145	4	17.17	5317300	20.0
Phenanthrene, 2-m...	18.04	5.9	ng/ul	1576890	4	17.17	5317300	20.0
Phenanthrene, 1-m...	18.09	7.9	ng/ul	2107210	4	17.17	5317300	20.0
1H-Indene, 2-phenyl-	18.23	3.9	ng/ul	1034660	4	17.17	5317300	20.0
(DEL) Alkane: Str...	18.35	3.8	ng/ul	1010750	4	17.17	5317300	20.0
Naphthalene, 2-ph...	18.54	5.9	ng/ul	1576980	4	17.17	5317300	20.0
9,10-Anthracenedione	18.59	4.9	ng/ul	1303900	4	17.17	5317300	20.0
Phenanthrene, 2,5...	18.96	4.7	ng/ul	1241650	4	17.17	5317300	20.0
Cyclopenta(def)ph...	19.10	5.2	ng/ul	1389480	4	17.17	5317300	20.0
11H-Benzo[b]fluorene	19.91	3.8	ng/ul	2333500	5	21.35	12157300	20.0
Pyrene, 1-methyl-	20.24	2.4	ng/ul	1438810	5	21.35	12157300	20.0
11H-Benzo[a]fluor...	20.83	4.1	ng/ul	2518570	5	21.35	12157300	20.0
(DEL) Alkane: Cyc...	21.05	5.1	ng/ul	3100210	5	21.35	12157300	20.0