LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007109.D
Acq On : 14 Aug 2016 15:54
Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

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-BM081116.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	6.975	739	746	757	rBV	1192561	2125205	16.05%	0.932%
2	7.145	766	775	785	rBV	883959	1412365	10.67%	0.619%
3	7.345	801	809	819	rVB	1317282	2082235	15.72%	0.913%
4	7.810	881	888	895	rBV	1124499	1855571	14.01%	0.813%
5	8.510	998	1007	1015	rBV	1398188	2213748	16.72%	0.970%
6	8.963	1077	1084	1093	rBV	1154658	1928111	14.56%	0.845%
7	9.081	1098	1104	1110	rBV2	157810	282717	2.14%	0.124%
8	9.681	1200	1206	1214	rBV	987949	1684335	12.72%	0.738%
9	10.216	1287	1297	1308	rVB	1582987	2656963	20.07%	1.165%
10	10.598	1354	1362	1368	rBV	1463507	2510185	18.96%	1.100%
11	10.733	1377	1385	1394	rBV	1075141	1904693	14.38%	0.835%
12	13.763	1894	1900	1905	rBV	192501	336240	2.54%	0.147%
13	13.851	1910	1915	1919	rVV	2532941	3665383	27.68%	1.607%
14	13.898	1919	1923	1932	rVB	3023326	4414478	33.34%	1.935%
15	14.133	1956	1963	1977	rBV2	2936947	5940501	44.86%	2.604%
16	14.445	2006	2016	2022	rBV2	2072244	3313135	25.02%	1.452%
17	14.633	2041	2048	2060	rBV	1175125	1898817	14.34%	0.832%
18	14.845	2079	2084	2090	rVB2	195867	325432	2.46%	0.143%
19	14.915	2091	2096	2101	rVB	194025	287195	2.17%	0.126%
20	15.051	2112	2119	2125	rBV6	186879	493375	3.73%	0.216%
21	15.298	2158	2161	2168	rVB2	295126	528662	3.99%	0.232%
22	15.433	2175	2184	2190	rBV	3723210	5630493	42.52%	2.468%
23	15.486	2190	2193	2197	rVV3	174235	305663	2.31%	0.134%
24	15.557	2200	2205	2210	rVV	607983	888960	6.71%	0.390%
25	15.704	2223	2230	2235	rVB6	151123	349437	2.64%	0.153%
26	15.786	2238	2244	2254	rBV4	109831	298253	2.25%	0.131%
27	15.933	2261	2269	2276	rVB6	132180	364537	2.75%	0.160%
28	16.162	2303	2308	2319	rVV2	480263	852542	6.44%	0.374%
29	16.492	2357	2364	2369	rBV4	186805	452850	3.42%	0.198%
30	16.839	2420	2423	2431	rVB3	178940	302546	2.28%	0.133%
31	17.004	2447	2451	2460	rVB	335041	549283	4.15%	0.241%
32	17.186	2477	2482	2486	rVV	2645340	3908989	29.52%	1.713%
33	17.227	2486	2489	2494	rVV	2961748	3977775	30.04%	1.744%
34	17.286	2494	2499	2503	rVV	4010485	6112710	46.16%	2.679%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007109.D
Acq On : 14 Aug 2016 15:54
Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

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-BM081116.M
Title : SVOA CALIBRATION

35	17.315	2503	2504	2509	rVB	953027	981292	7.41%	0.430%
36	17.374	2509	2514	2520	rBV2	224878	440639	3.33%	0.193%
37	17.762	2576	2580	2587	rVB	504903	736681	5.56%	0.323%
38	17.909	2600	2605	2610	rVB	289995	493341	3.73%	0.216%
39	18.062	2626	2631	2636	rBV	1404938	3040807	22.96%	1.333%
40	18.109	2636	2639	2646	rVB	1903094	2597962	19.62%	1.139%
41	18.192	2648	2653	2657	rVV	513201	749137	5.66%	0.328%
42	18.251	2657	2663	2667	rVV2	1675735	3142998	23.74%	1.378%
43	18.292	2667	2670	2676	rVB	1184368	1644442	12.42%	0.721%
44	18.380	2681	2685	2688	rBV	293554	415195	3.14%	0.182%
45	18.456	2694	2698	2702	rVB2	315762	451078	3.41%	0.198%
46	18.562	2711	2716	2719	rBV2	678630	956054	7.22%	0.419%
47	18.603	2719	2723	2734	rVB2	597824	1279772	9.66%	0.561%
48	18.780	2749	2753	2755	rBV	326166	472059	3.56%	0.207%
49	18.809	2755	2758	2762	rVV	656819	965848	7.29%	0.423%
50	18.856	2762	2766	2770	rVV	955550	1452583	10.97%	0.637%
51	18.898	2770	2773	2777	rVB	708315	916133	6.92%	0.402%
52	18.980	2782	2787	2792	rBV	2056251	3268787	24.69%	1.433%
53	19.033	2792	2796	2800	rVV2	833812	1677689	12.67%	0.735%
54	19.074	2800	2803	2806	rVB	680602	846982	6.40%	0.371%
55	19.121	2806	2811	2817	rBV3	1039344	1956739	14.78%	0.858%
56	19.245	2827	2832	2838	rVB	6302729	8391587	63.37%	3.678%
57	19.309	2839	2843	2846	rBV	478589	685994	5.18%	0.301%
58	19.345	2846	2849	2854	rVV4	362654	487321	3.68%	0.214%
59	19.392	2854	2857	2861	rVB	621257	779811	5.89%	0.342%
60	19.445	2863	2866	2869	rVB2	284501	322279	2.43%	0.141%
61	19.486	2870	2873	2876	rBV2	410812	509538	3.85%	0.223%
62	19.580	2883	2889	2891	rBV2	5591621	8084726	61.06%	3.544%
63	19.609	2891	2894	2902	rVB	7206934	10607819	80.11%	4.650%
64	19.686	2902	2907	2912	rBV3	1075785	1712394	12.93%	0.751%
65	19.845	2931	2934	2940	rVB2	629441	953937	7.20%	0.418%
66	19.933	2943	2949	2960	rBV5	1078928	2944745	22.24%	1.291%
67	20.021	2960	2964	2967	rBV2	341568	496103	3.75%	0.217%
68	20.068	2967	2972	2974	rVV4	930974	1562149	11.80%	0.685%
69	20.103	2975	2978	2982	rVB	1468825	1938649	14.64%	0.850%
70	20.203	2992	2995	2999	rVB	685322	764517	5.77%	0.335%
71	20.262	3000	3005	3009	rVB2	1752906	2382307	17.99%	1.044%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007109.D
Acq On : 14 Aug 2016 15:54
Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

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-BM081116.M
Title : SVOA CALIBRATION

72	20.403	3025	3029	3032	rBV	1369602	1789128	13.51%	0.784%
73	20.445	3033	3036	3040	rVB	1218951	1576196	11.90%	0.691%
74	20.850	3101	3105	3112	rVB	1452351	2169541	16.38%	0.951%
75	20.939	3118	3120	3124	rVB	440085	484641	3.66%	0.212%
76	21.021	3126	3134	3137	rVV4	1172386	2652694	20.03%	1.163%
77	21.056	3137	3140	3142	rVV	909202	1129012	8.53%	0.495%
78	21.086	3142	3145	3151	rVV3	1470254	2747346	20.75%	1.204%
79	21.144	3153	3155	3162	rVB	935811	1443402	10.90%	0.633%
80	21.292	3176	3180	3183	rVB	2636696	3049020	23.03%	1.336%
81	21.362	3186	3192	3197	rVV2	6193616	13241567	100.00%	5.804%
82	21.409	3197	3200	3209	rVB	4732965	6444628	48.67%	2.825%
83	21.486	3210	3213	3217	rVB2	480259	590178	4.46%	0.259%
84	21.527	3217	3220	3225	rBV2	639956	1173918	8.87%	0.515%
85	21.580	3226	3229	3243	rVB6	737913	2216214	16.74%	0.971%
86	21.733	3253	3255	3259	rVB3	466978	519707	3.92%	0.228%
87	21.868	3276	3278	3281	rBV	379958	398393	3.01%	0.175%
88	21.927	3282	3288	3292	rVV	1596844	2688026	20.30%	1.178%
89	21.980	3293	3297	3303	rVB	1703776	2389453	18.05%	1.047%
90	22.127	3319	3322	3325	rBV	780295	972665	7.35%	0.426%
91	22.968	3459	3465	3469	rBV2	3744440	8287540	62.59%	3.633%
92	23.144	3491	3495	3500	rVB	803362	1379491	10.42%	0.605%
93	23.456	3543	3548	3552	rBV	1914466	3760167	28.40%	1.648%
94	23.509	3552	3557	3561	rVV2	3432037	6909479	52.18%	3.029%
95	23.556	3561	3565	3572	rVB	3631642	6610879	49.93%	2.898%
96	23.656	3576	3582	3587	rVV	2431438	5036323	38.03%	2.207%
97	23.703	3587	3590	3598	rVB3	1033365	2110457	15.94%	0.925%
98	24.203	3671	3675	3683	rVB	960696	1827356	13.80%	0.801%
99	25.956	3967	3973	3986	rVB	1593719	4594618	34.70%	2.014%
100	26.662	4088	4093	4103	rVB	1064127	2990720	22.59%	1.311%

Sum of corrected areas: 228146237

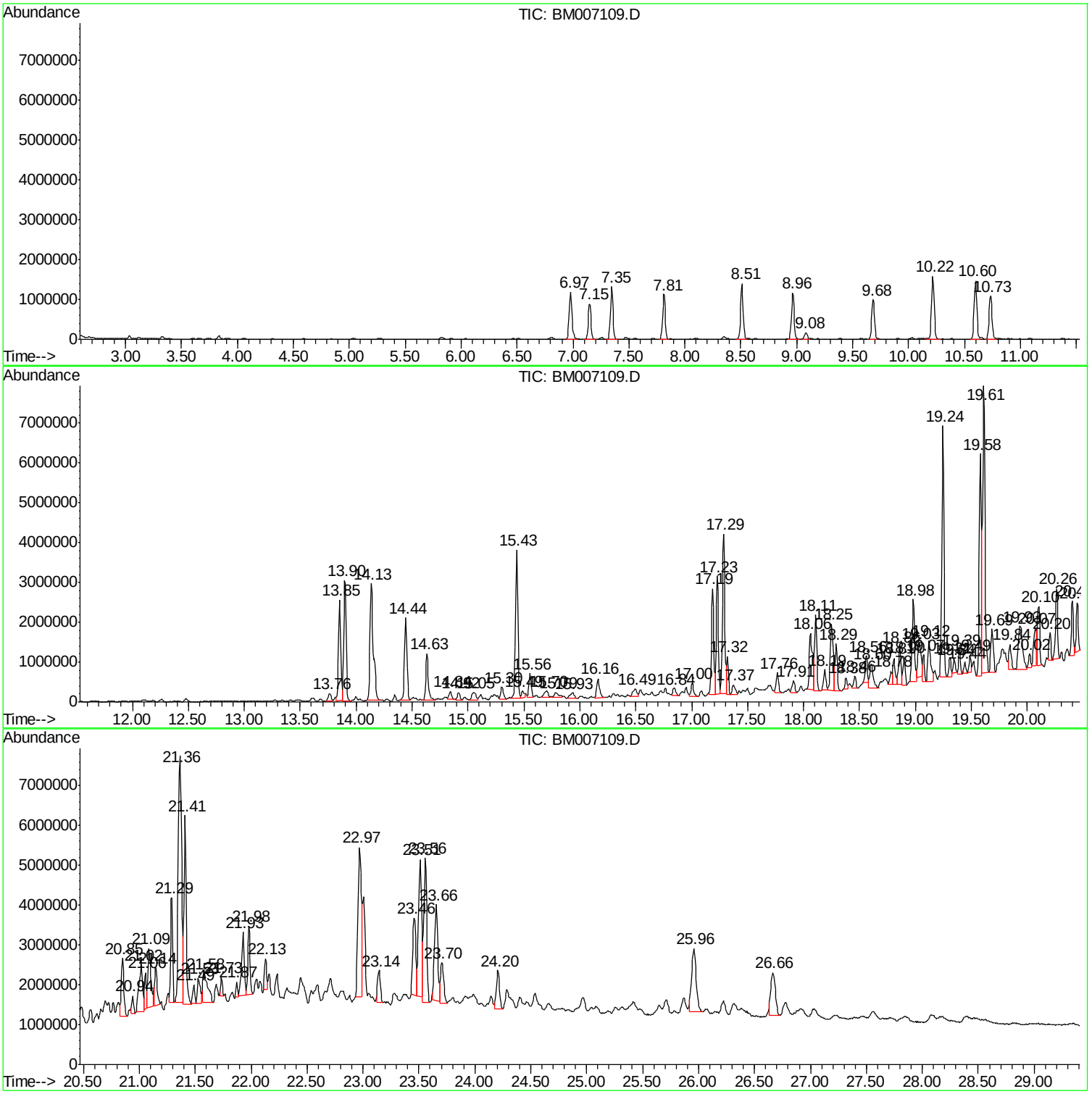
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007109.D
Acq On : 14 Aug 2016 15:54
Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007109.D
Acq On : 14 Aug 2016 15:54
Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

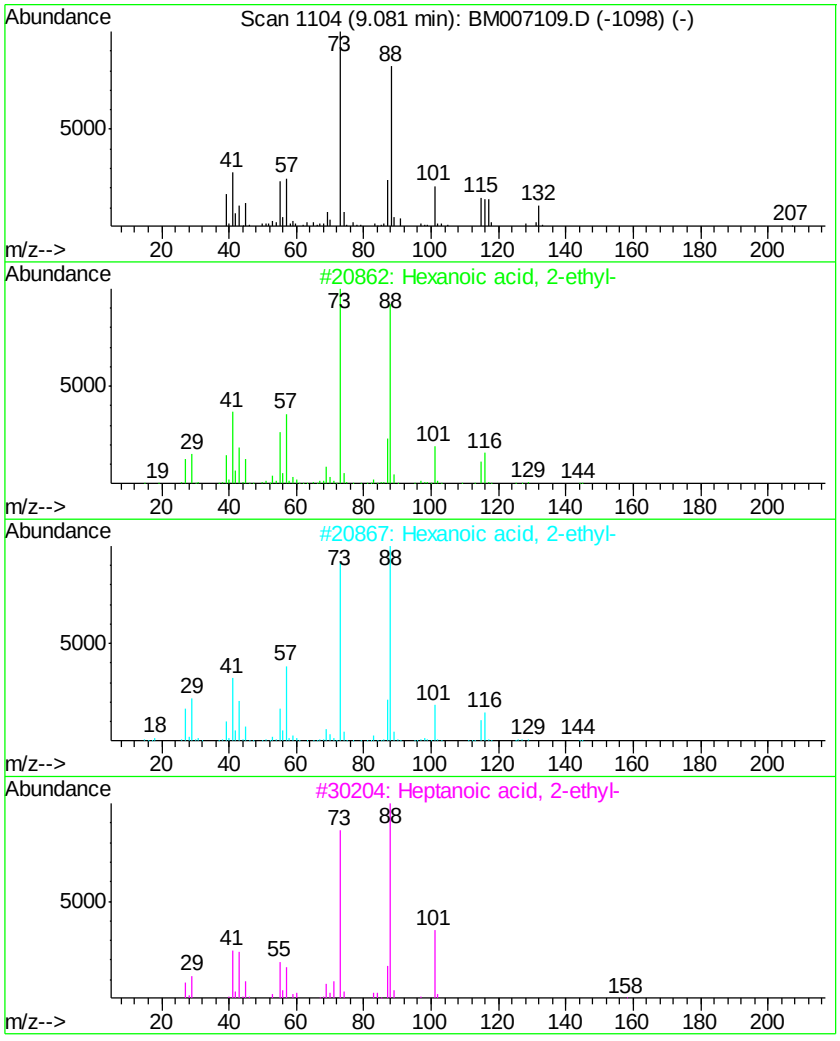
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

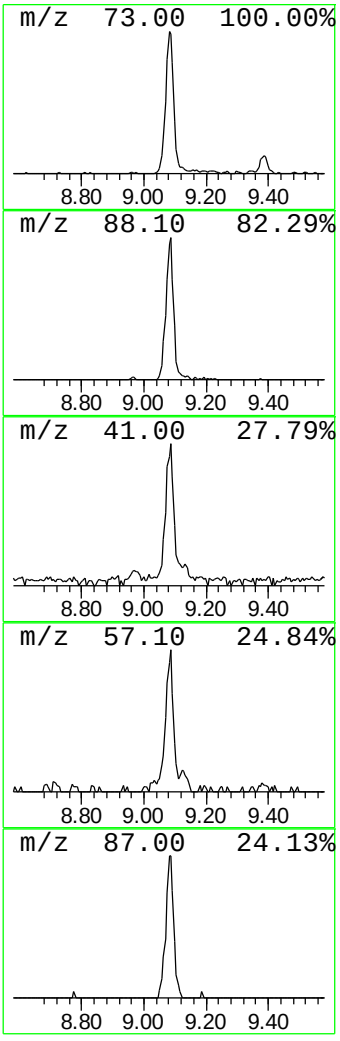
****

Peak Number 1 Hexanoic acid, 2-ethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	3.05 ng/ul	282717	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	86
2	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	53
3	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	50
4	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	43
5	N-Carbomethoxy-N-nitroso-N-ethyl...	132	C4H8N2O3	010546-23-3	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007109.D
Acq On : 14 Aug 2016 15:54
Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

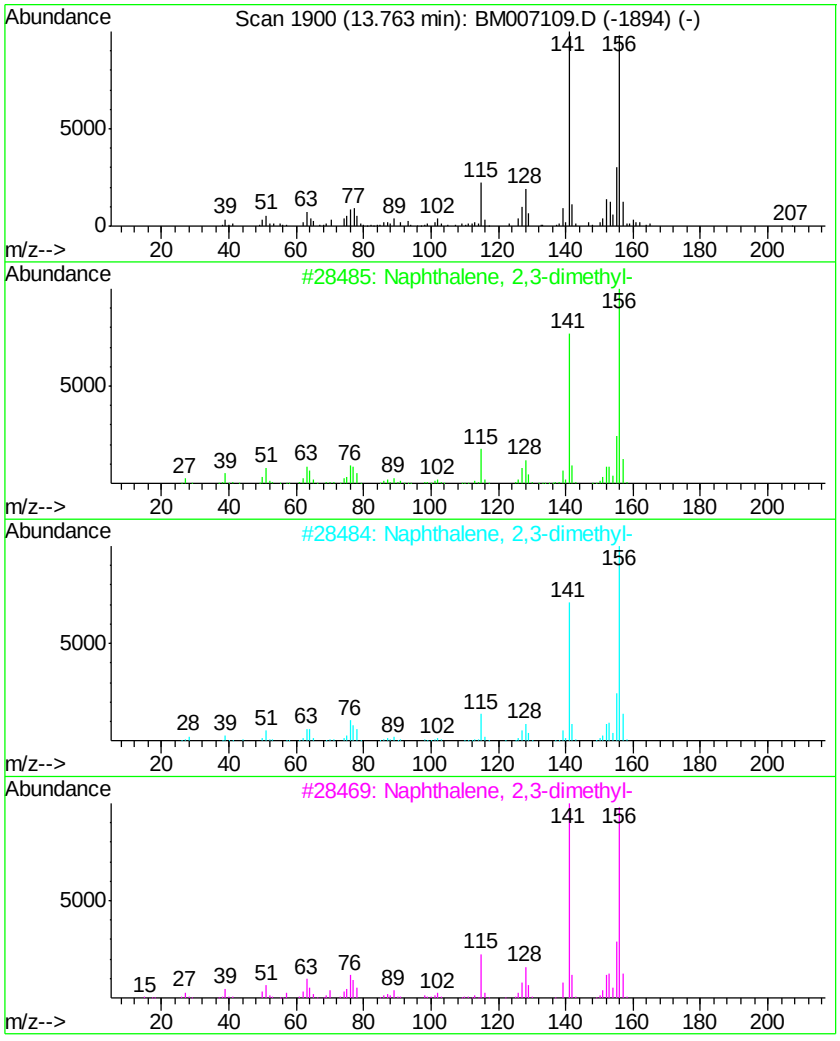
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

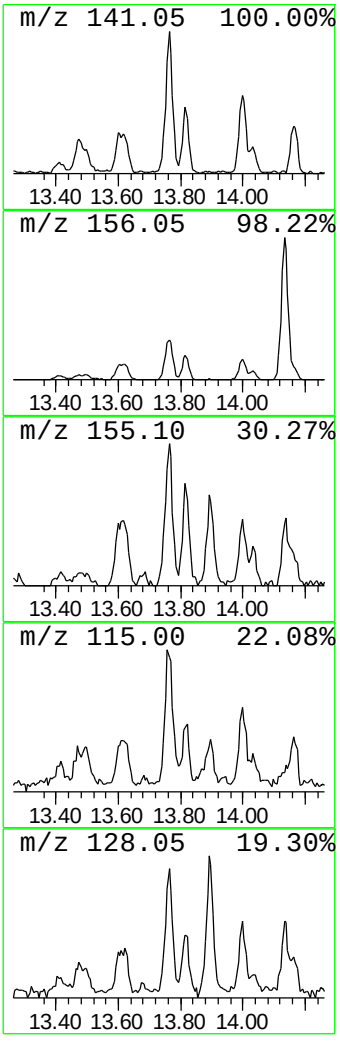
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.03 ng/ul	336240	Acenaphthene-d10	14.44

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, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007109.D
Acq On : 14 Aug 2016 15:54
Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

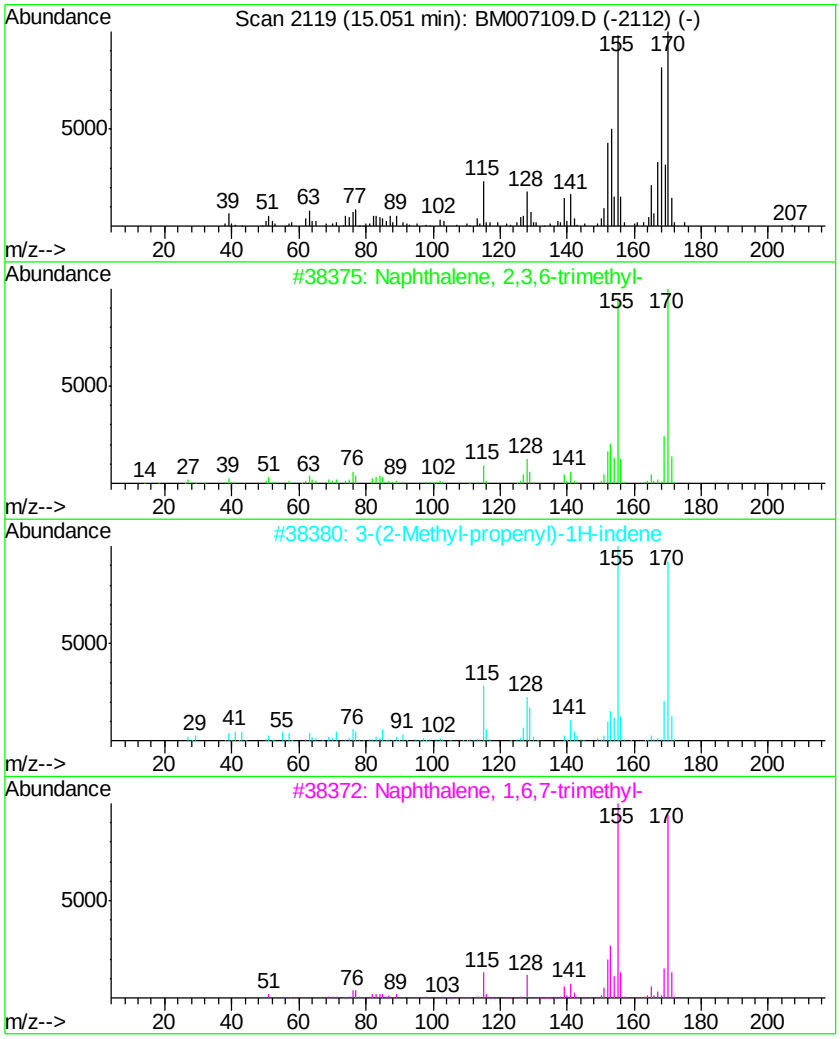
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

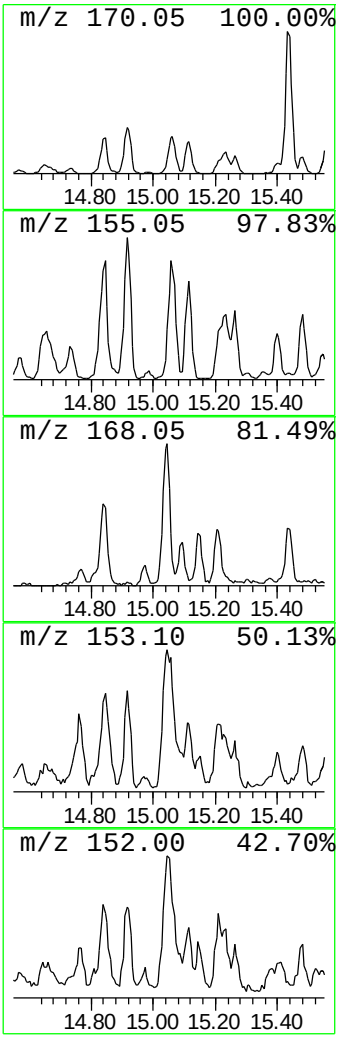
****

Peak Number 3 Naphthalene, 2,3,6-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	2.98 ng/ul	493375	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	87
2	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	64
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	55
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	55
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007109.D
Acq On : 14 Aug 2016 15:54
Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

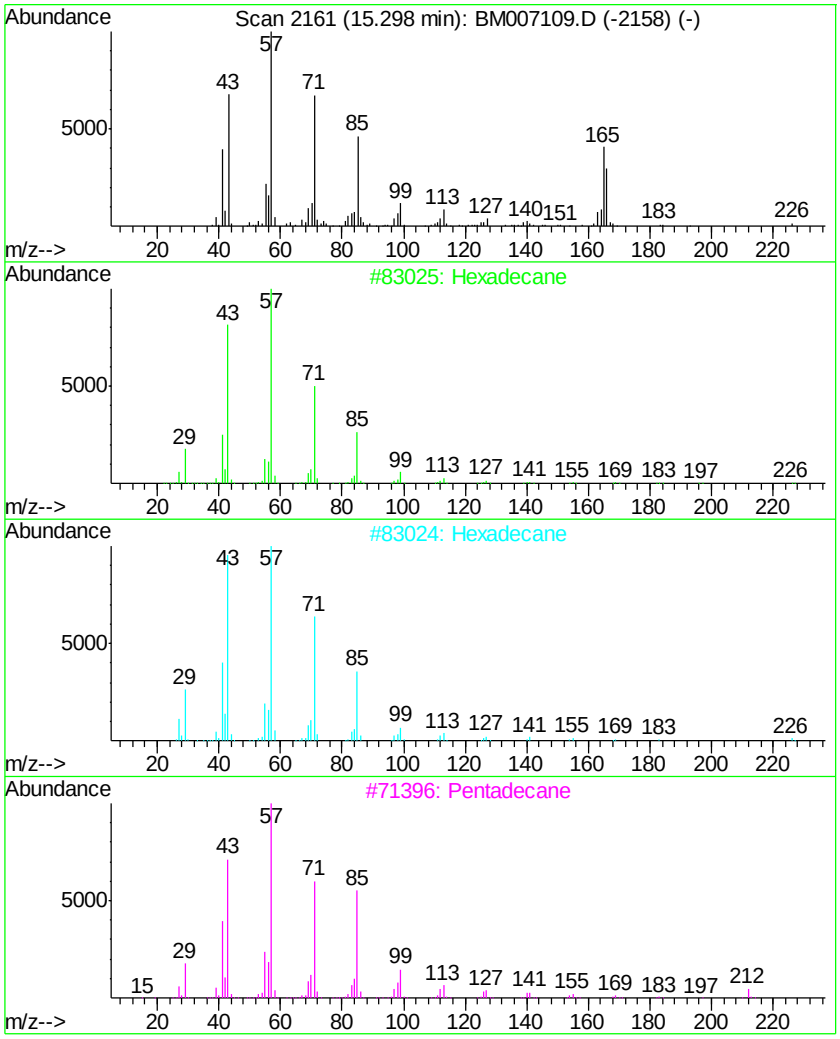
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

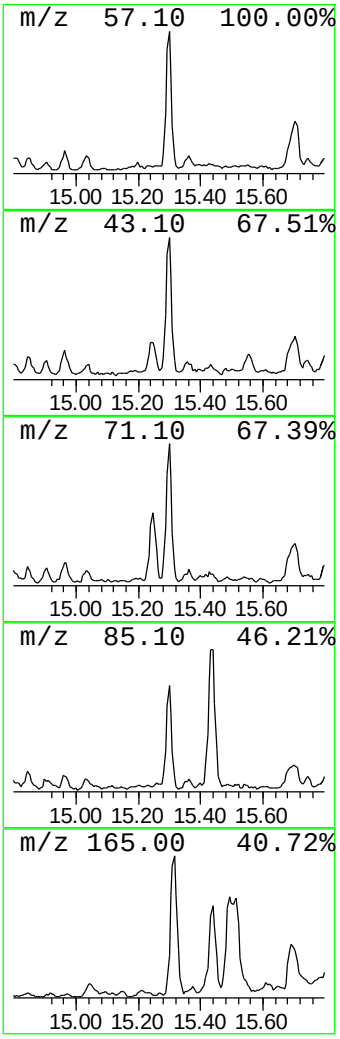
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	3.19 ng/ul	528662	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	92
2	Hexadecane	226	C16H34	000544-76-3	60
3	Pentadecane	212	C15H32	000629-62-9	49
4	Tetradecane	198	C14H30	000629-59-4	49
5	Tetradecane	198	C14H30	000629-59-4	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007109.D
Acq On : 14 Aug 2016 15:54
Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

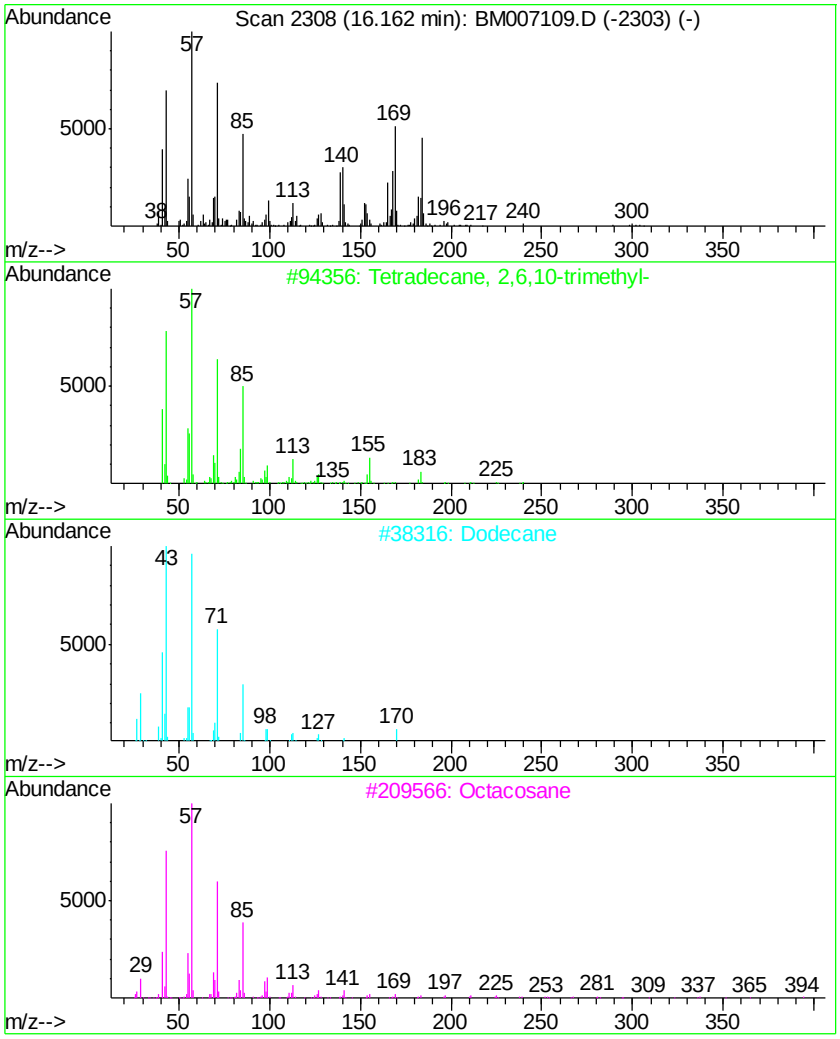
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

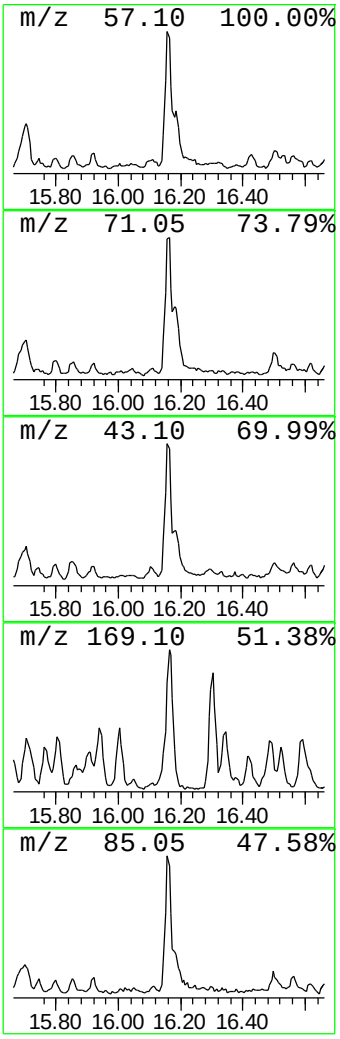
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	4.36 ng/ul	852542	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	42
2	Dodecane	170	C12H26	000112-40-3	42
3	Octacosane	394	C28H58	000630-02-4	42
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	41
5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	38





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Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

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Quant Title : SVOA CALIBRATION

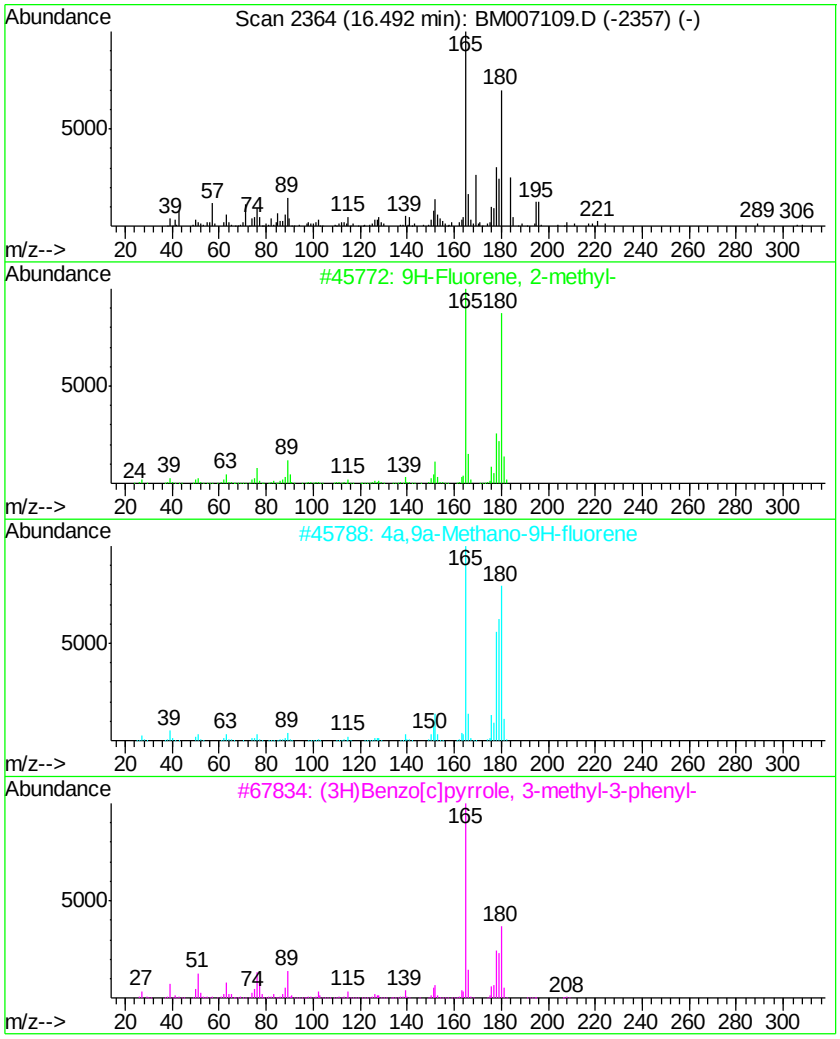
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

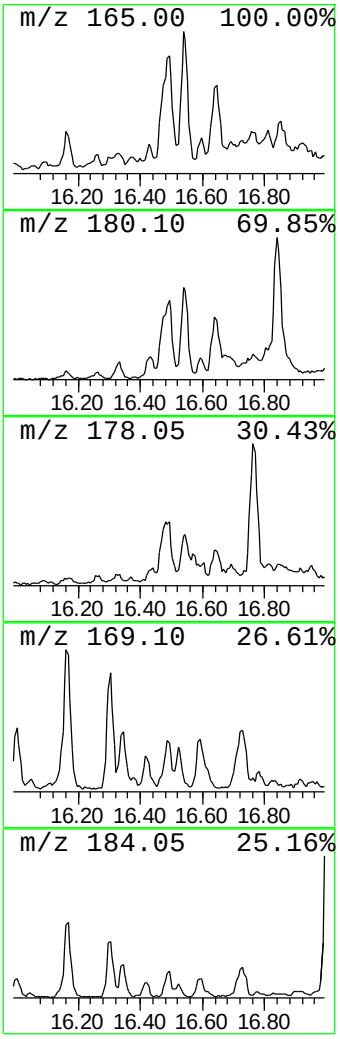
****

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.32 ng/ul	452850	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
2	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70
3	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	68
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	60
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	55





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Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

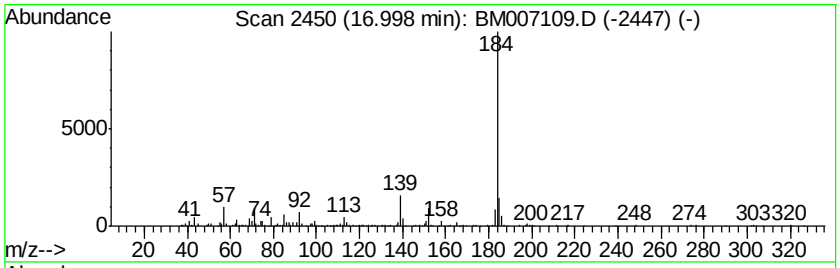
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

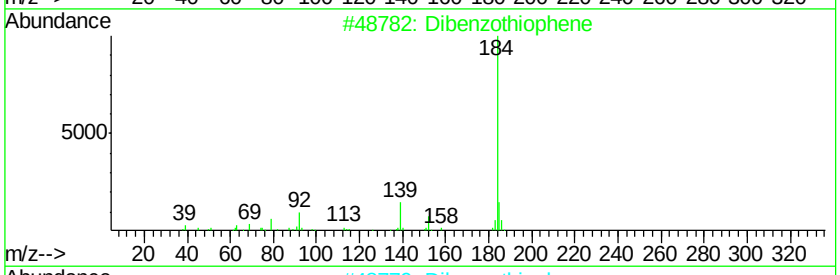
****

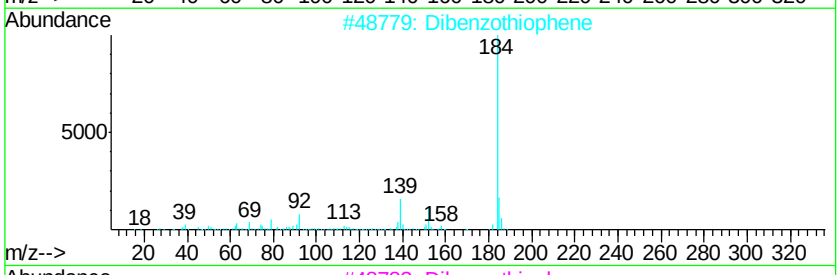
Peak Number 8 Dibenzothiophene Concentration Rank 32

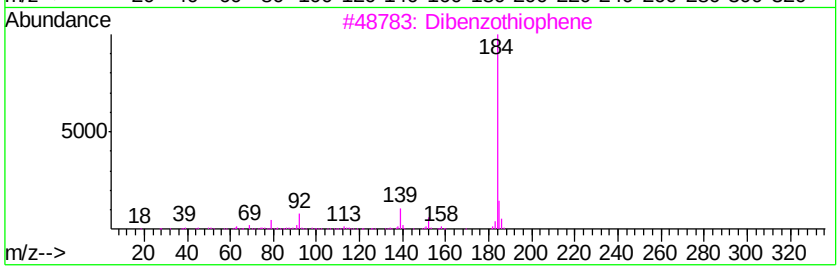
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	2.81 ng/ul	549283	Phenanthrene-d10	17.19

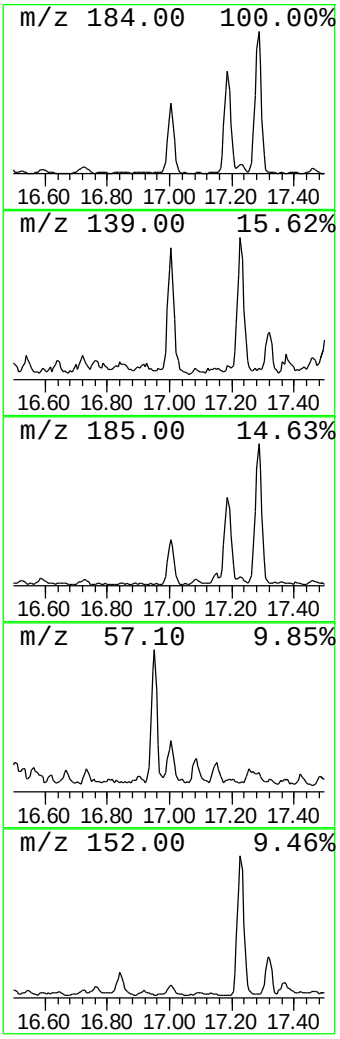
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	90











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Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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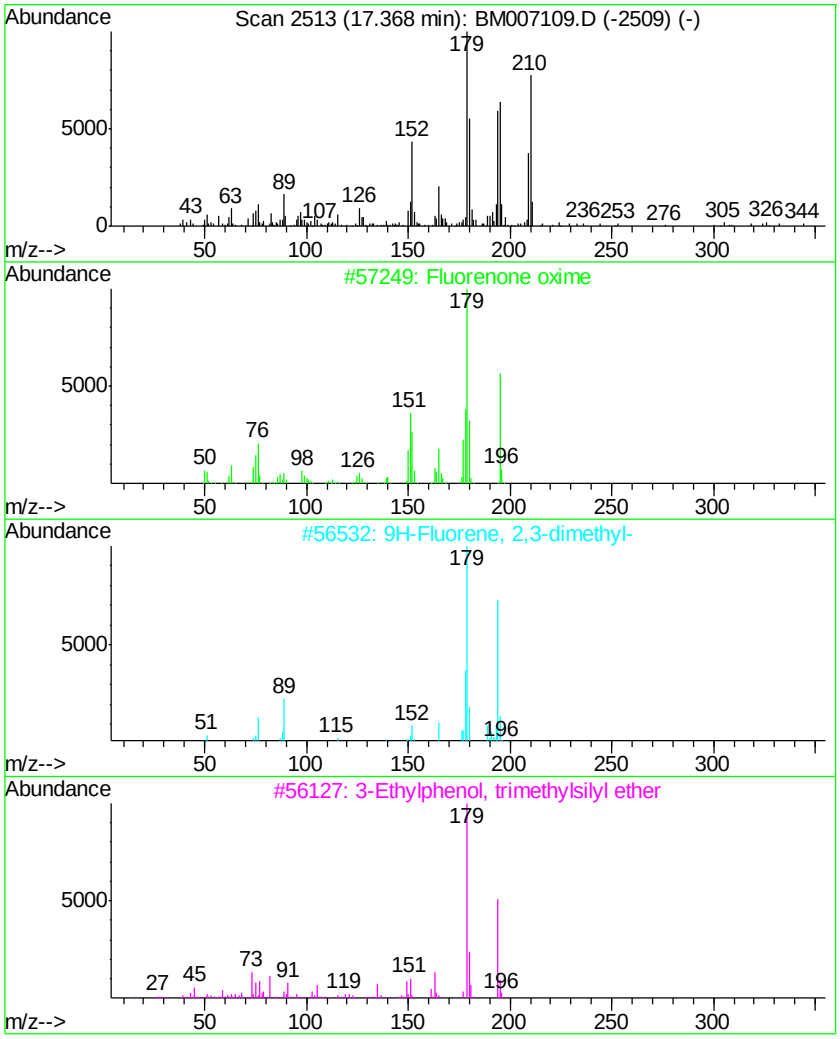
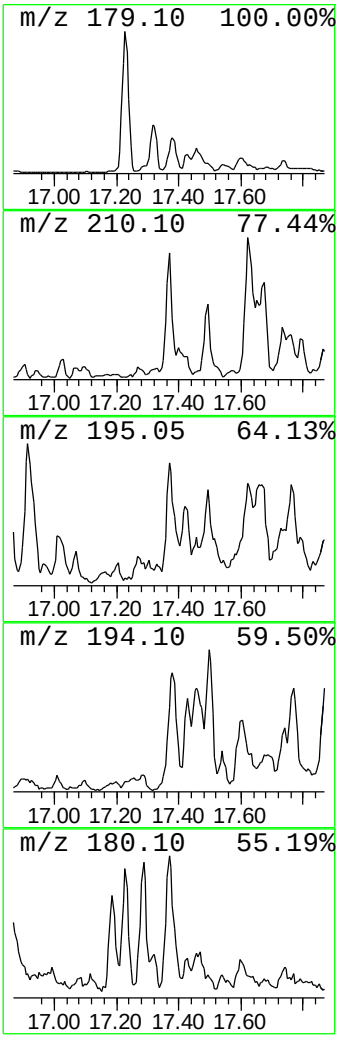
Peak Number 9 Fluorenone oxime Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	2.25 ng/ul	440639	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorenone oxime	195	C13H9NO	002157-52-0	50
2	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	47
3	3-Ethylphenol, trimethylsilyl ether	194	C11H18OSi	1000333-41-3	47
4	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	43
5	9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	38





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Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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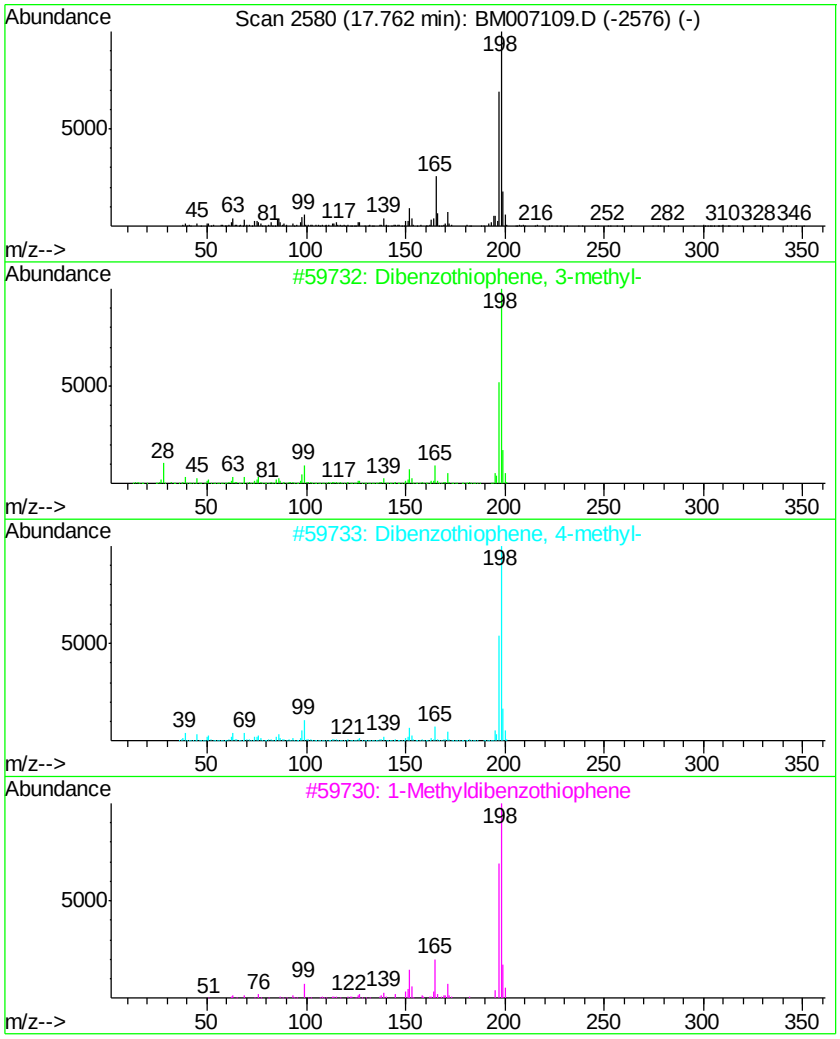
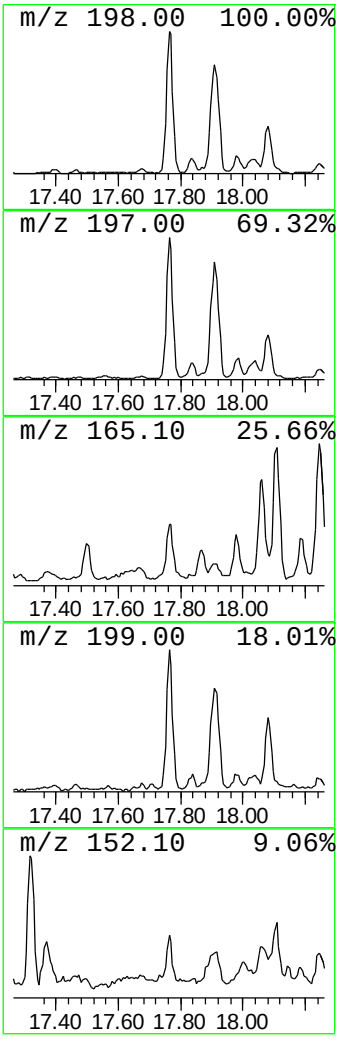
Peak Number 10 Dibenzothiophene, 3-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	3.77 ng/ul	736681	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	80
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5	Thioxanthene	198	C13H10S	000261-31-4	70





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Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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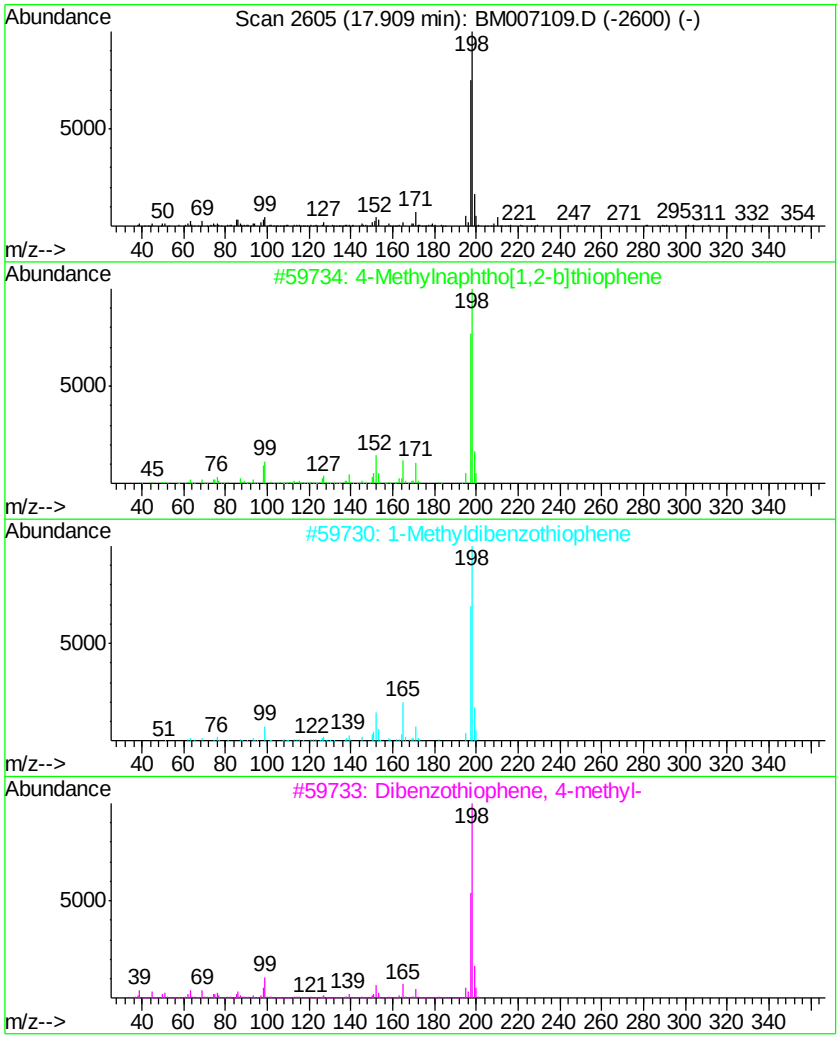
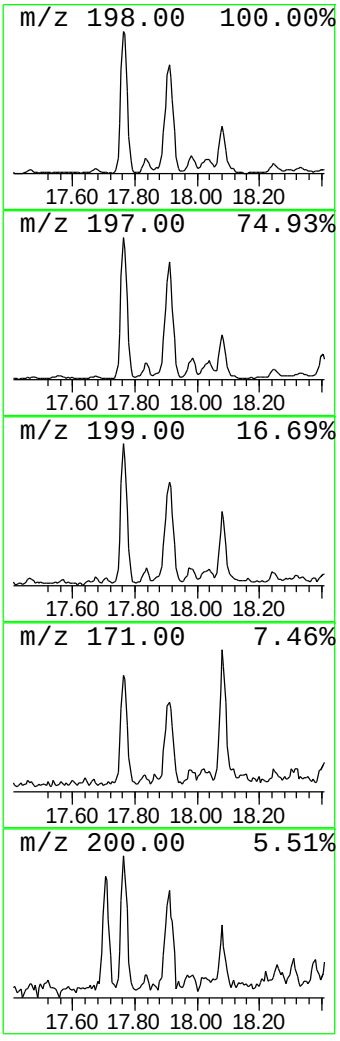
Peak Number 11 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	2.52 ng/ul	493341	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	78
5	Tacrine	198	C13H14N2	000321-64-2	72





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Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

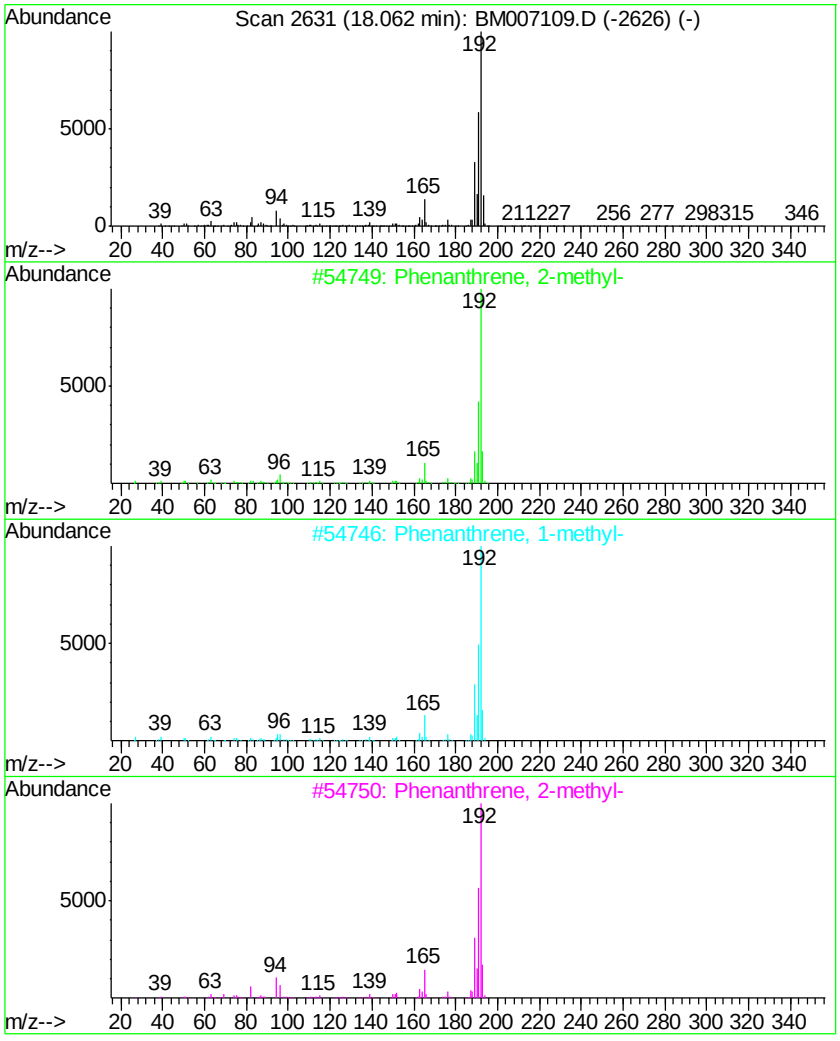
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

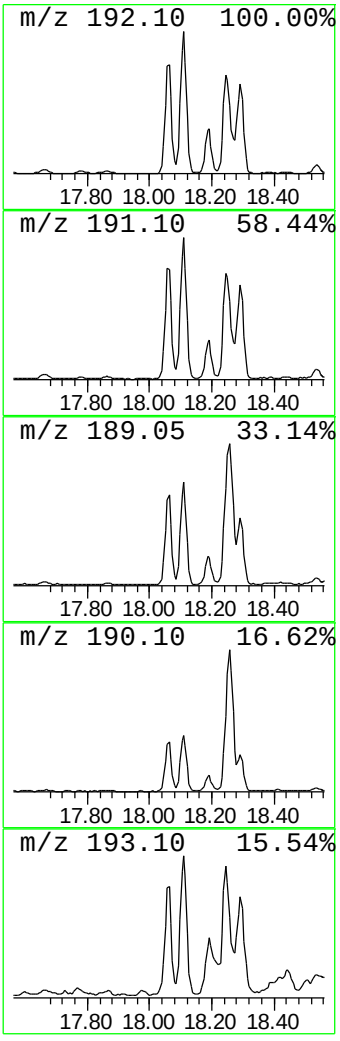
****

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	15.56 ng/ul	3040810	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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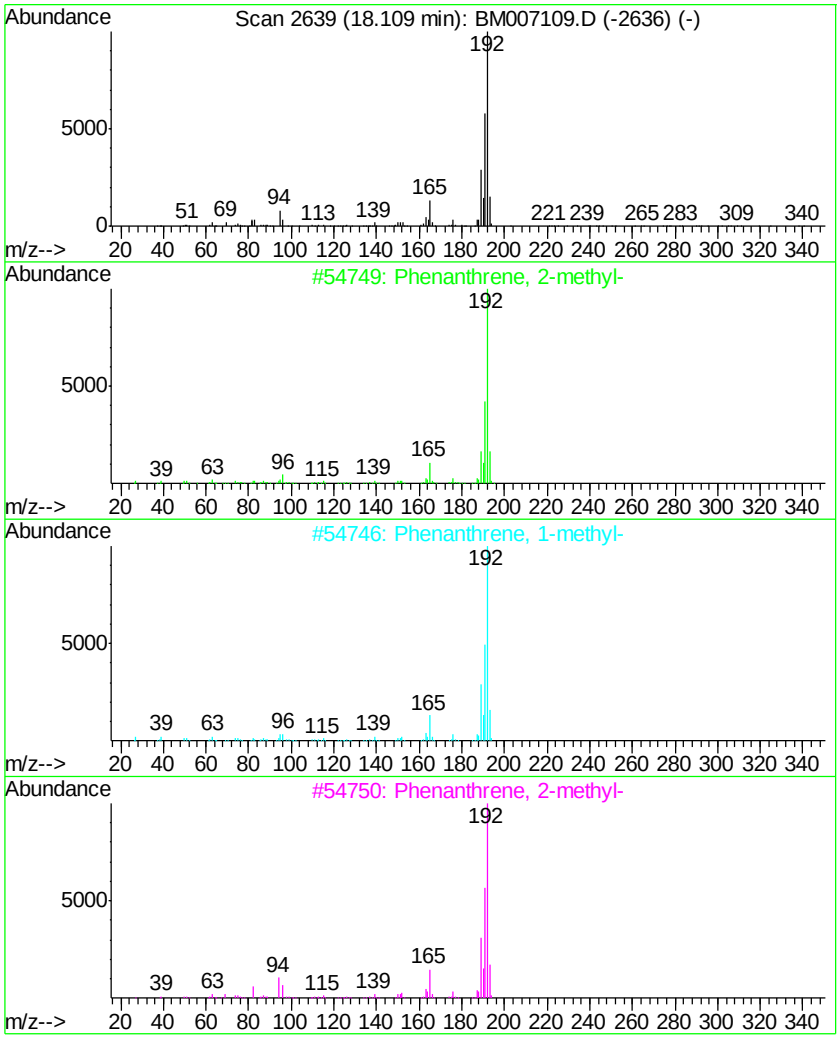
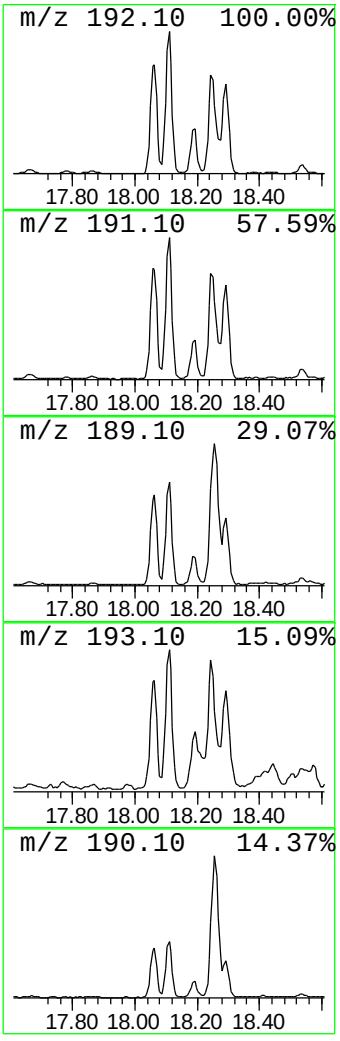
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	13.29 ng/ul	2597960	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

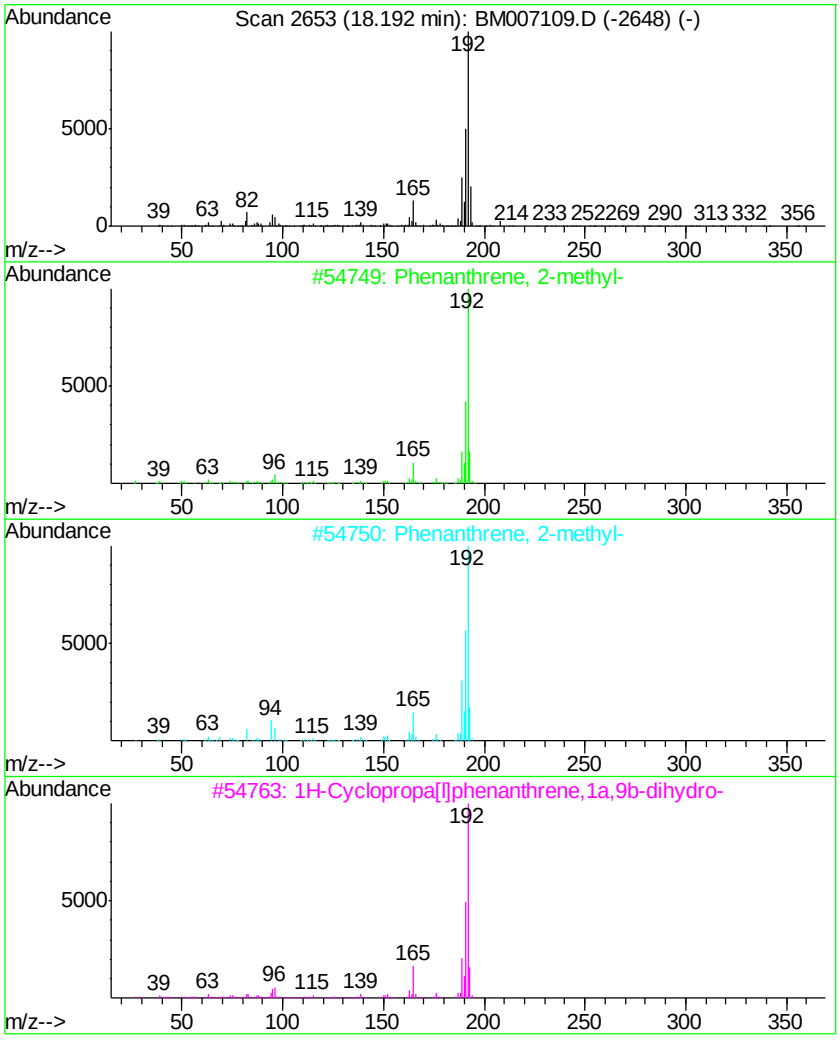
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

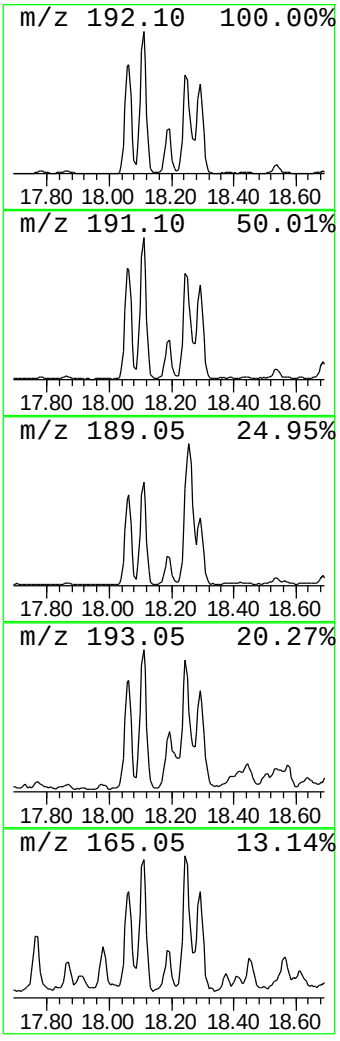
****

Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.83 ng/ul	749137	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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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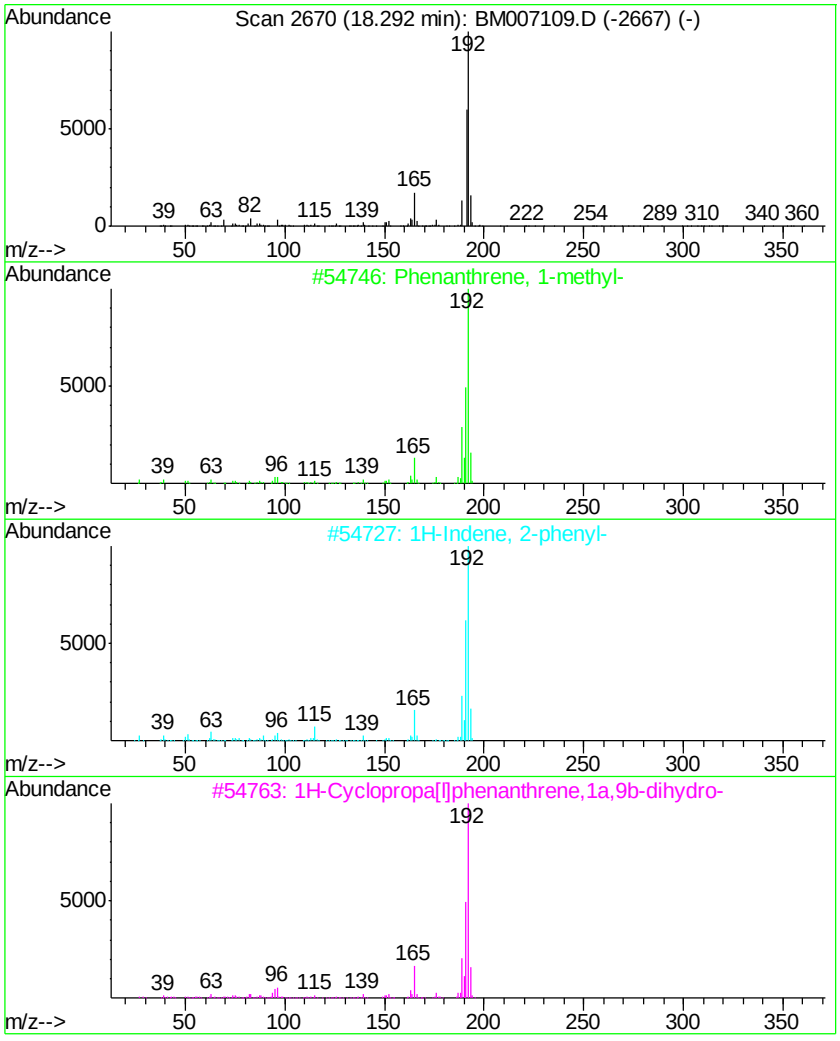
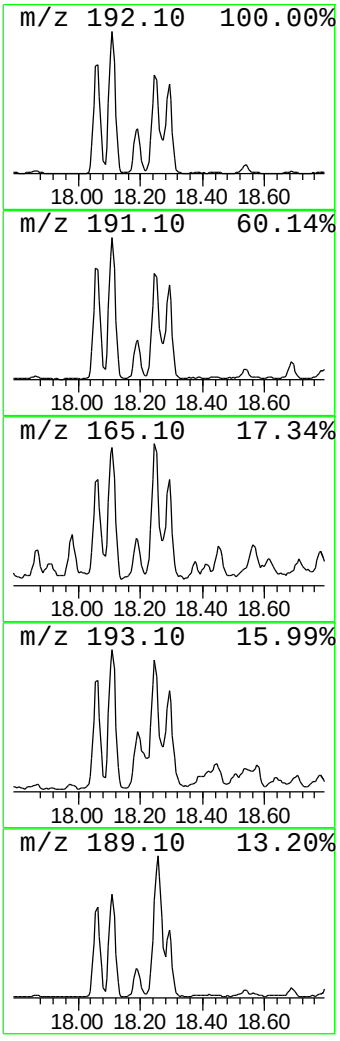
Peak Number 16 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	8.41 ng/ul	1644440	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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ALS Vial : 73 Sample Multiplier: 1

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ClientSampleId : P003-SS003-0612-01

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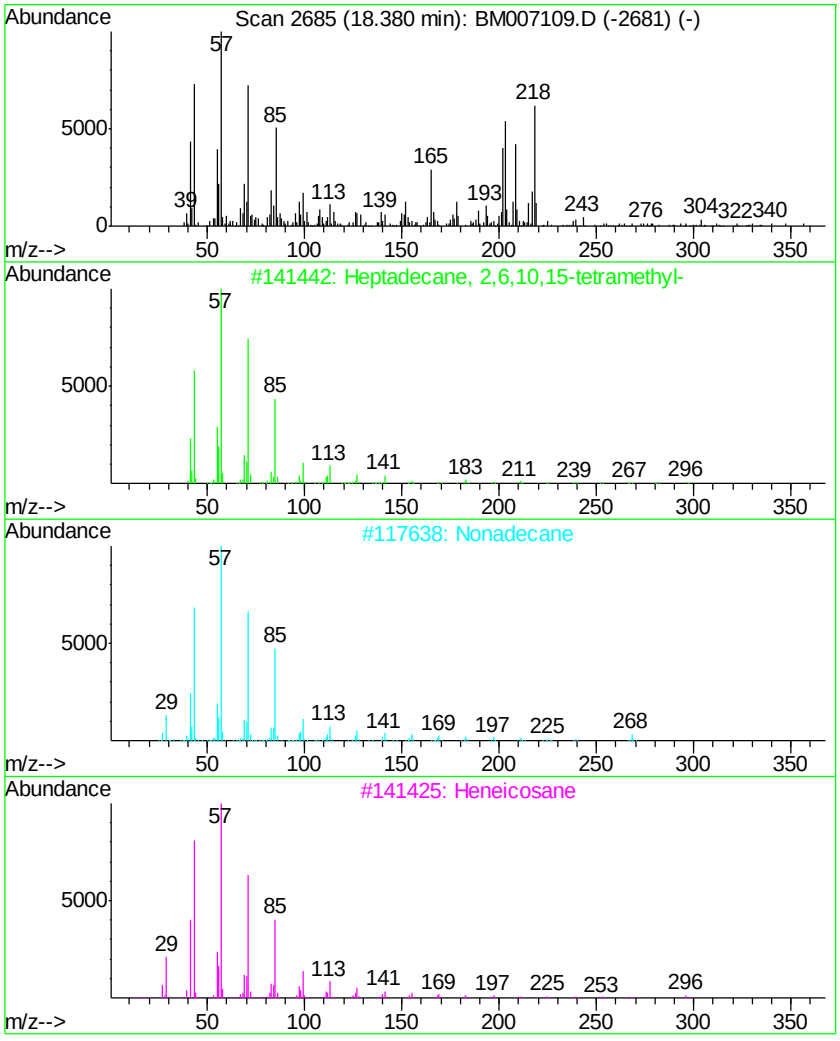
Quant Title : SVOA CALIBRATION

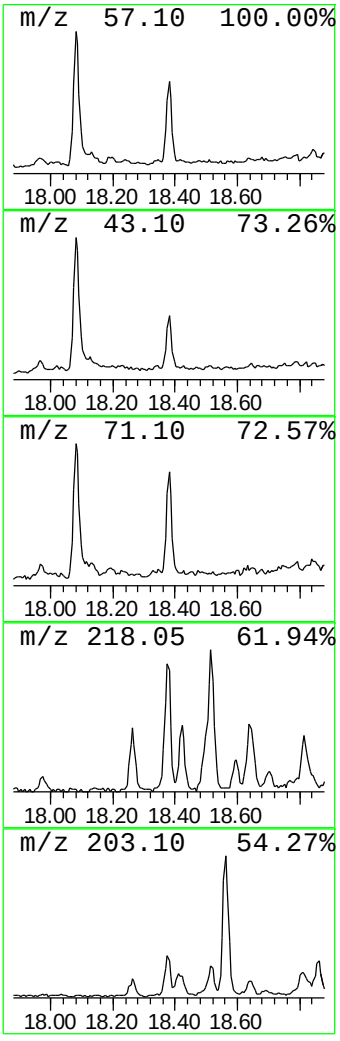
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	2.12 ng/ul	415195	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2	Nonadecane	268	C19H40	000629-92-5	55
3	Heneicosane	296	C21H44	000629-94-7	53
4	Pentadecane	212	C15H32	000629-62-9	40
5	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	30





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Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

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Quant Title : SVOA CALIBRATION

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

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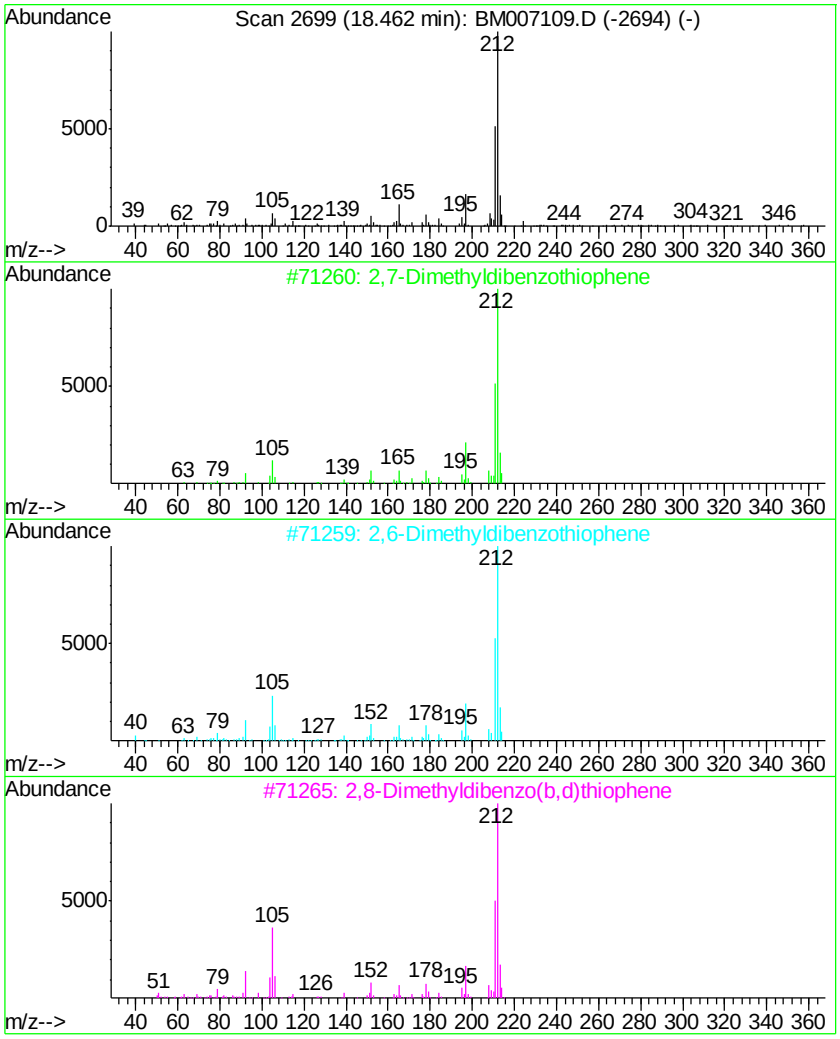
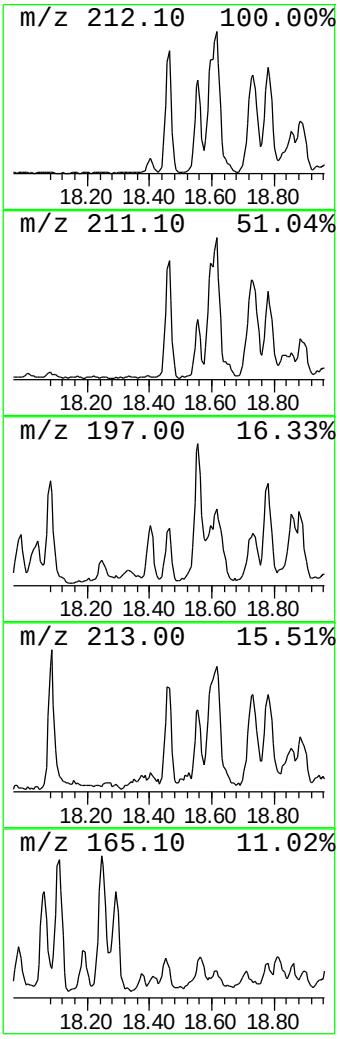
Peak Number 18 2,7-Dimethyldibenzothiophene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	2.31 ng/ul	451078	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	91
2	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	91
3	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	91
4	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	91
5	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	89





Library Search Compound Report

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Operator : UM/SJ
Sample : H4387-11
Misc :
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Quant Title : SVOA CALIBRATION

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

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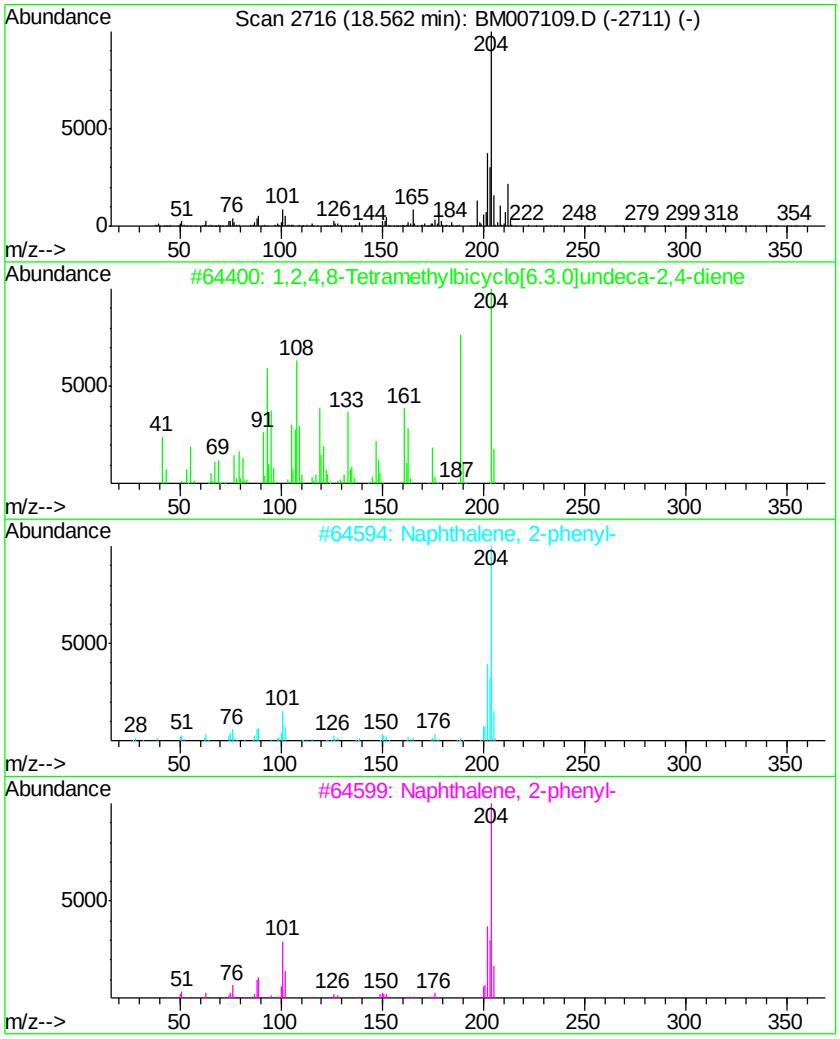
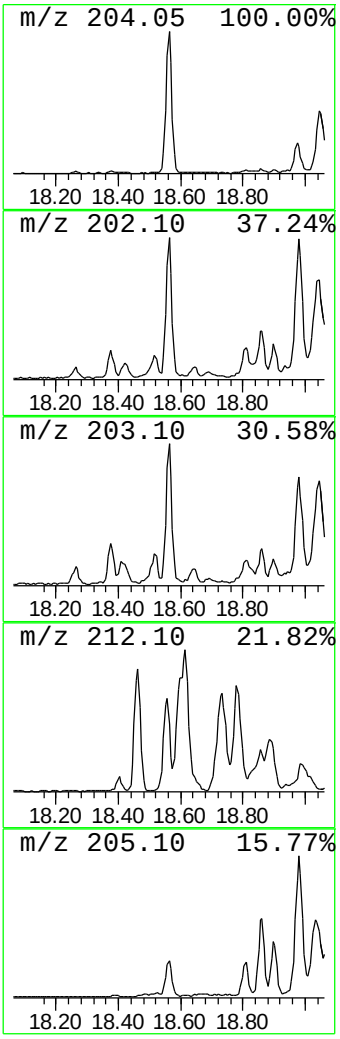
Peak Number 19 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	4.89 ng/ul	956054	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53





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Quant Title : SVOA CALIBRATION

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

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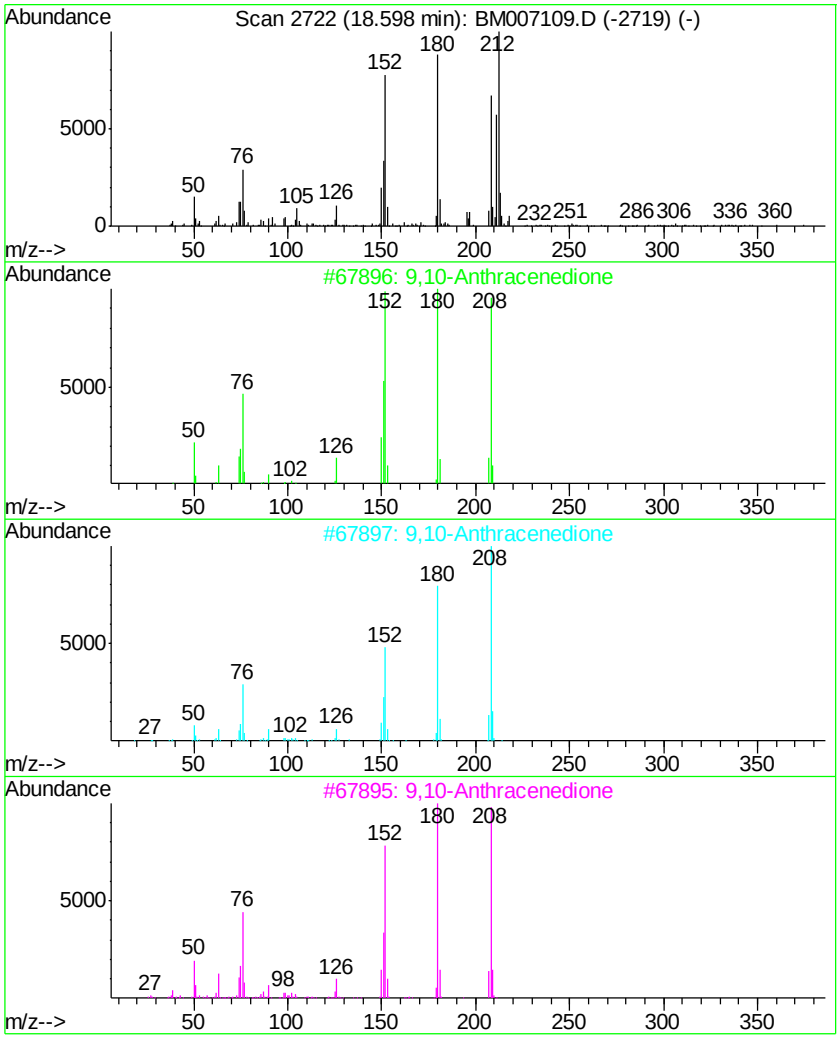
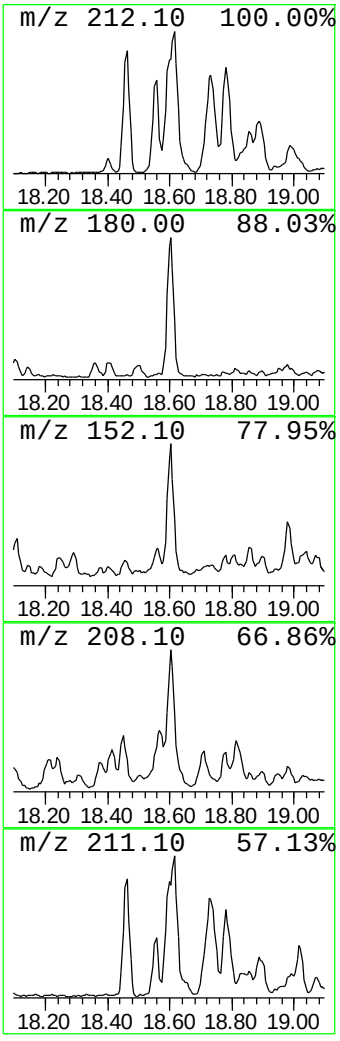
Peak Number 20 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	6.55 ng/ul	1279770	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	92
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	43





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Quant Title : SVOA CALIBRATION

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

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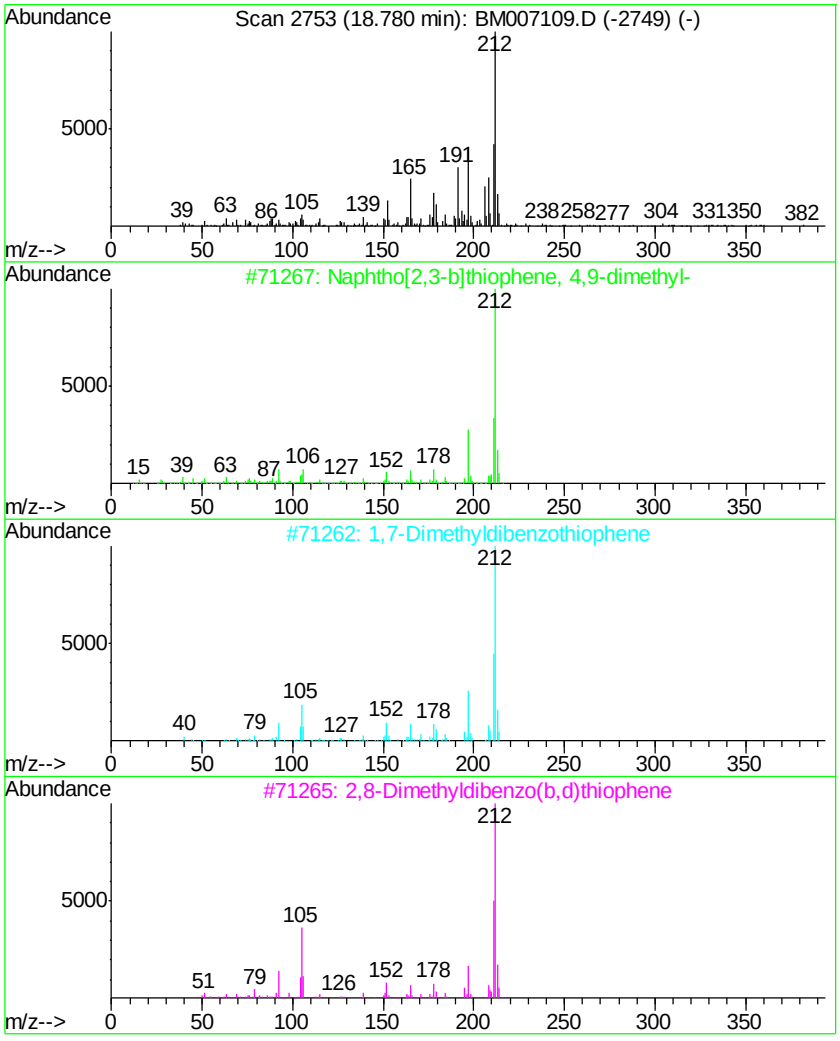
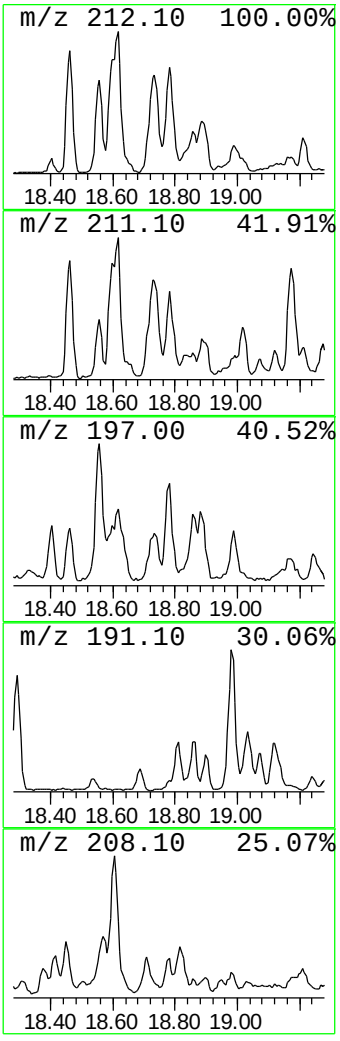
Peak Number 21 Naphtho[2,3-b]thiophene, 4,... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	2.42 ng/ul	472059	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	89
2	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	78
3	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	60
4	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	60
5	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	53





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Quant Title : SVOA CALIBRATION

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

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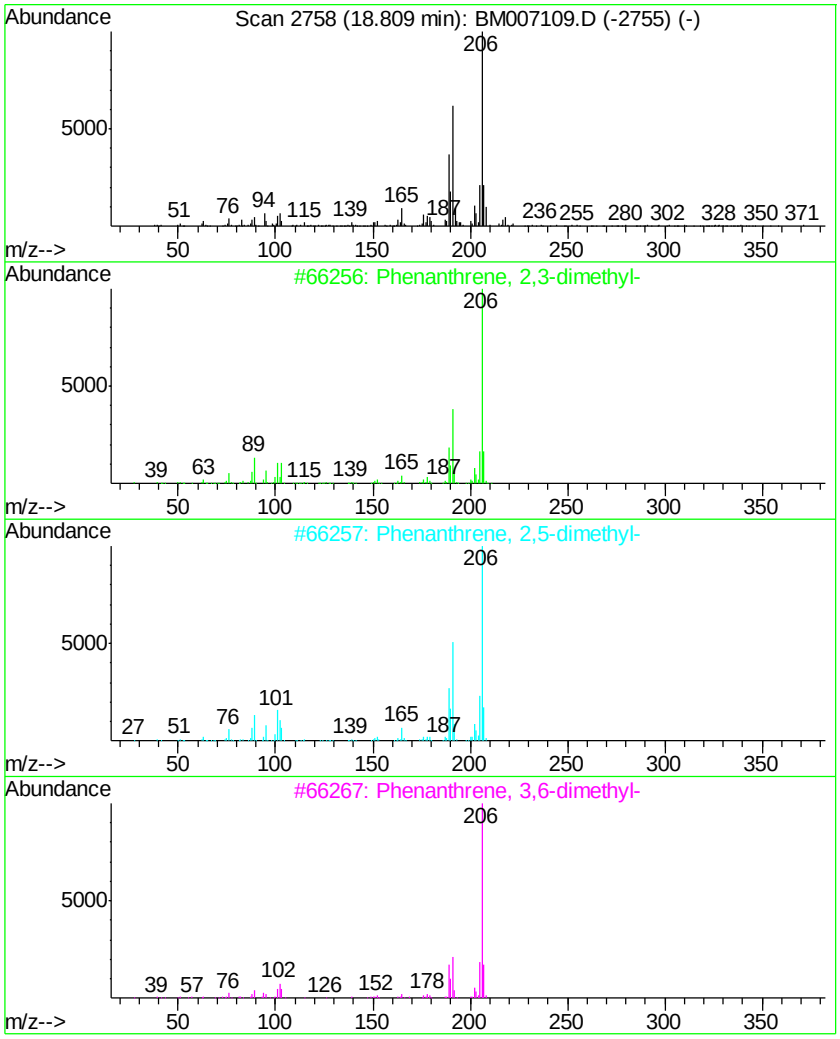
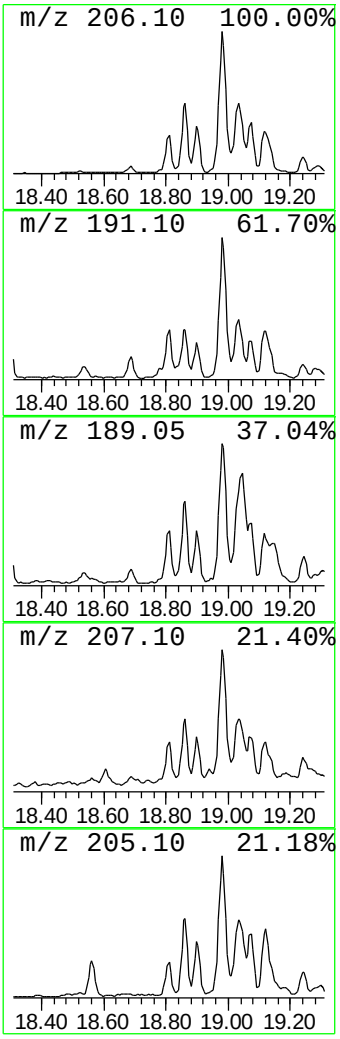
Peak Number 22 Phenanthrene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	4.94 ng/ul	965848	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





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Quant Title : SVOA CALIBRATION

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

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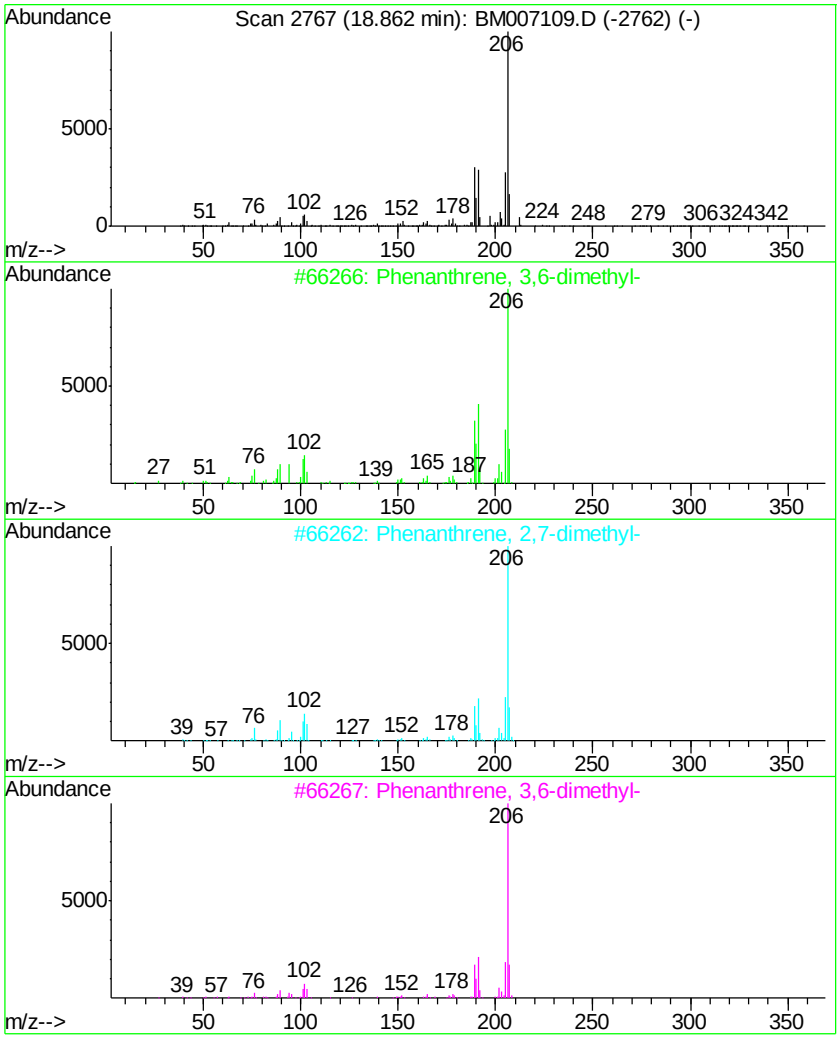
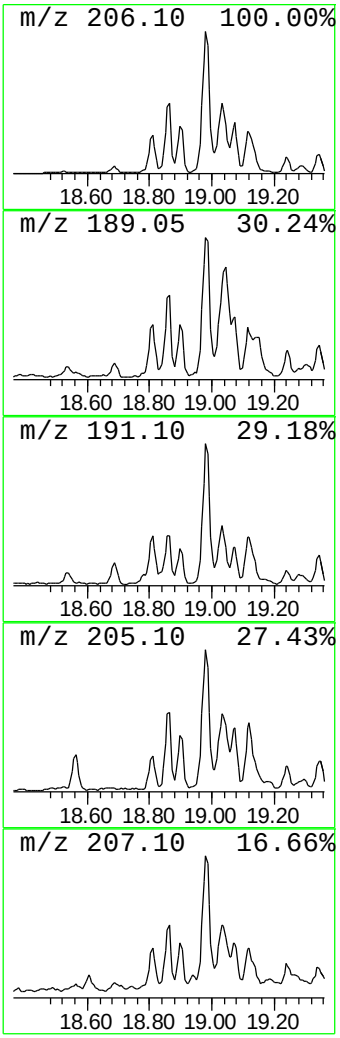
Peak Number 23 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	7.43 ng/ul	1452580	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





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Quant Title : SVOA CALIBRATION

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

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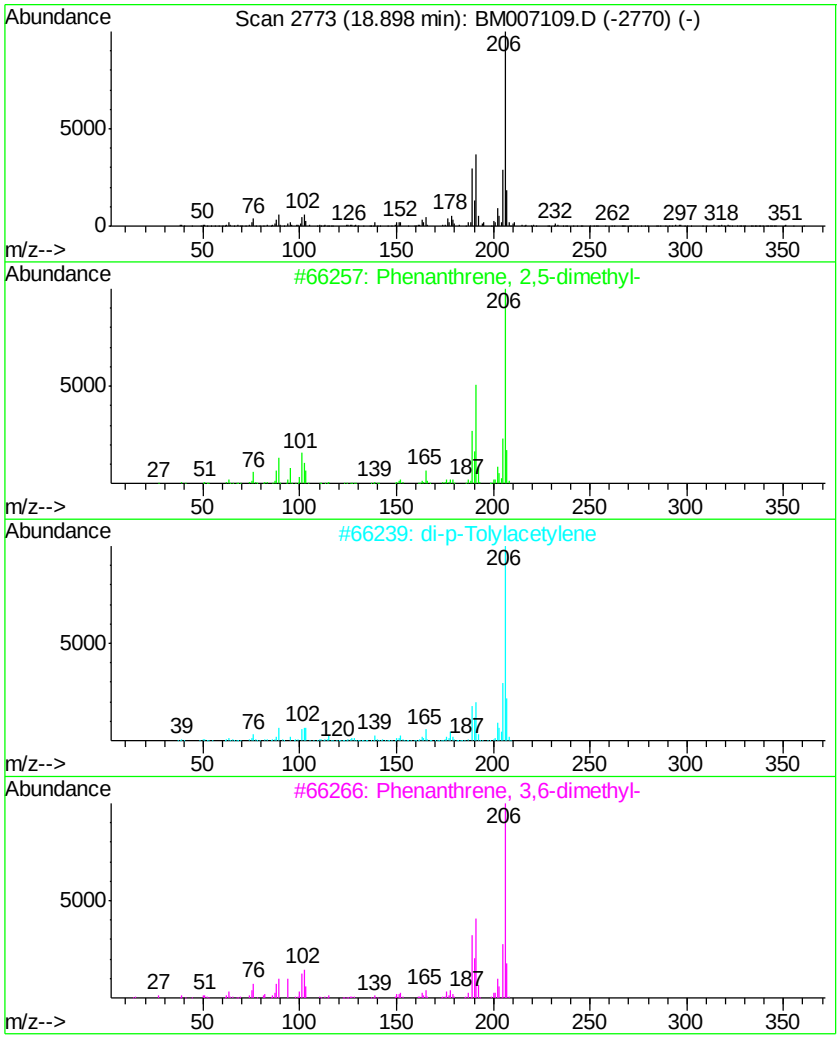
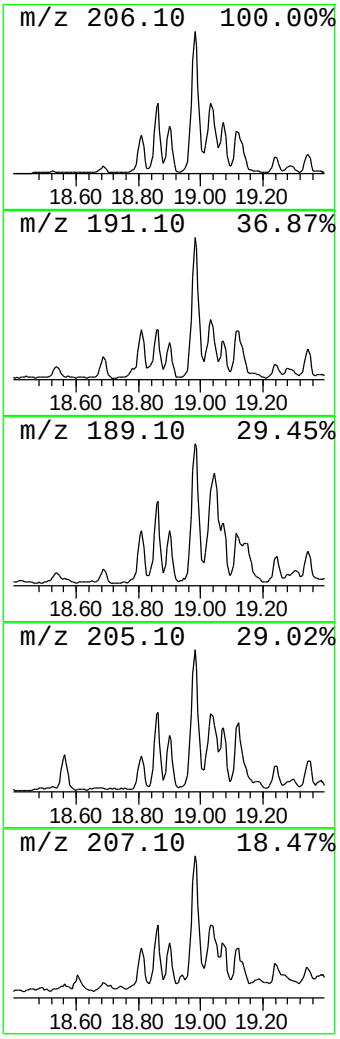
Peak Number 24 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	4.69 ng/ul	916133	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93





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ClientSampleId : P003-SS003-0612-01

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Quant Title : SVOA CALIBRATION

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

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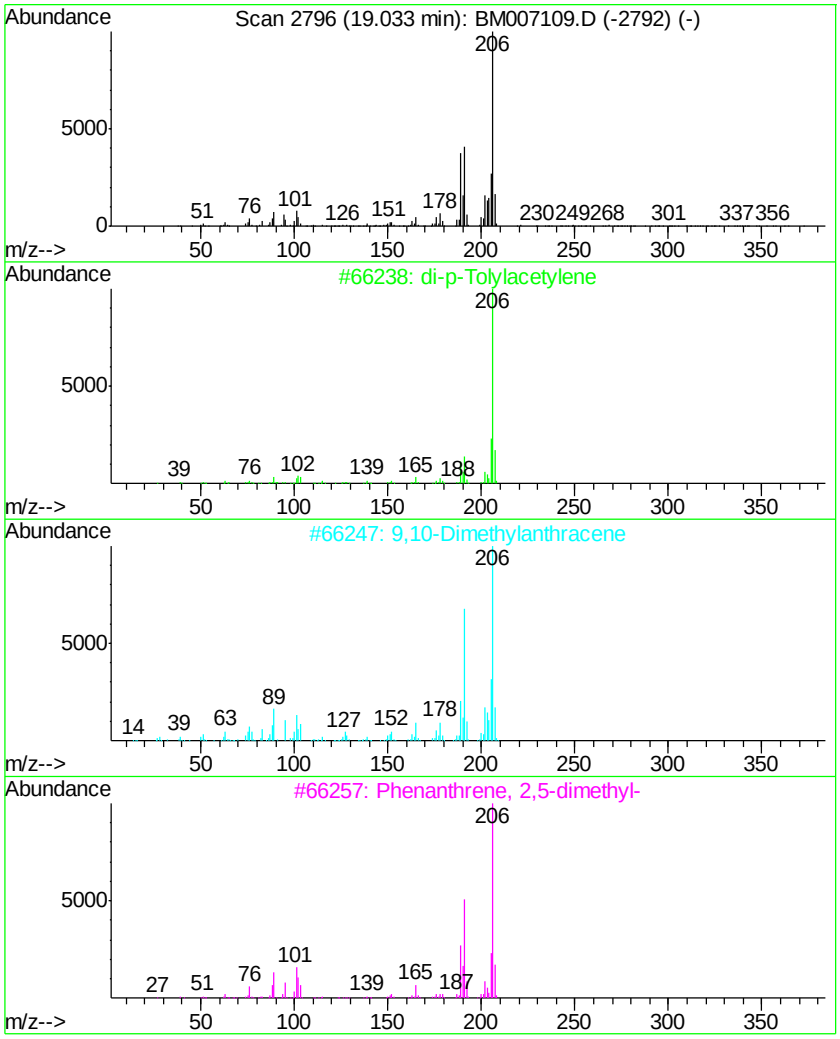
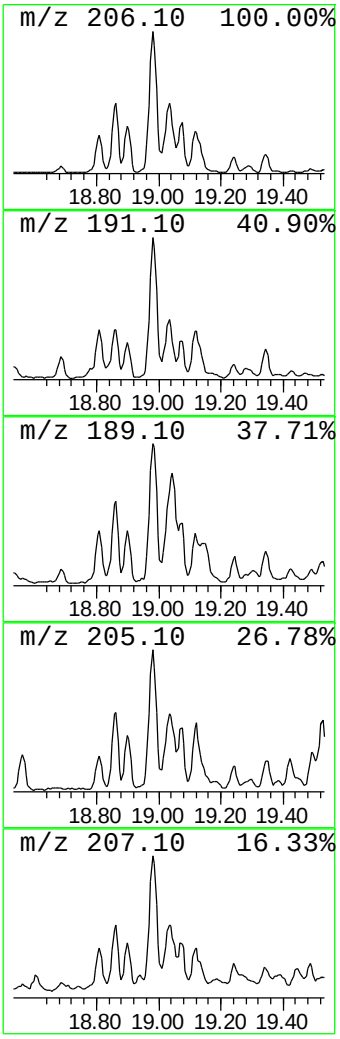
Peak Number 26 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	8.58 ng/ul	1677690	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Quant Title : SVOA CALIBRATION

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

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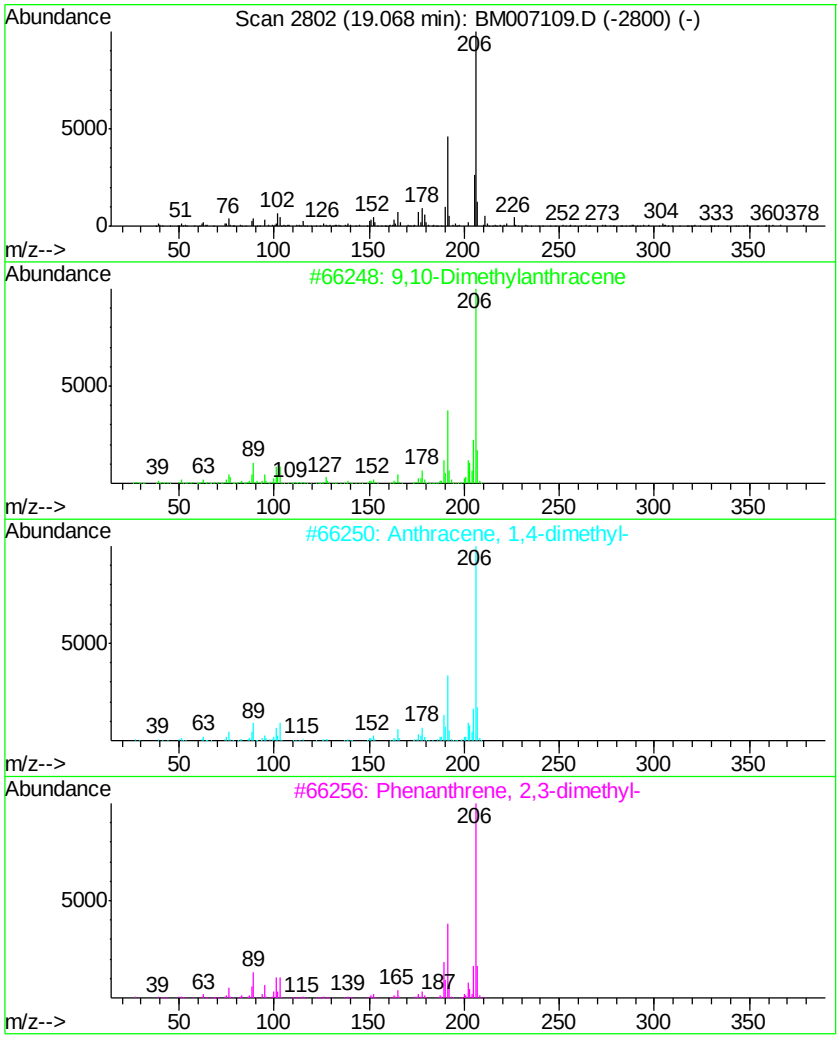
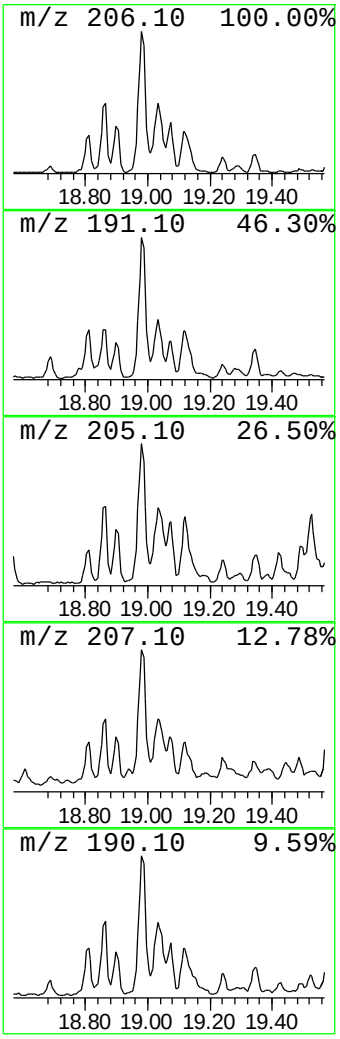
Peak Number 27 9,10-Dimethylanthracene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	4.33 ng/ul	846982	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	80
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	72
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	72
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	59





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Quant Title : SVOA CALIBRATION

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

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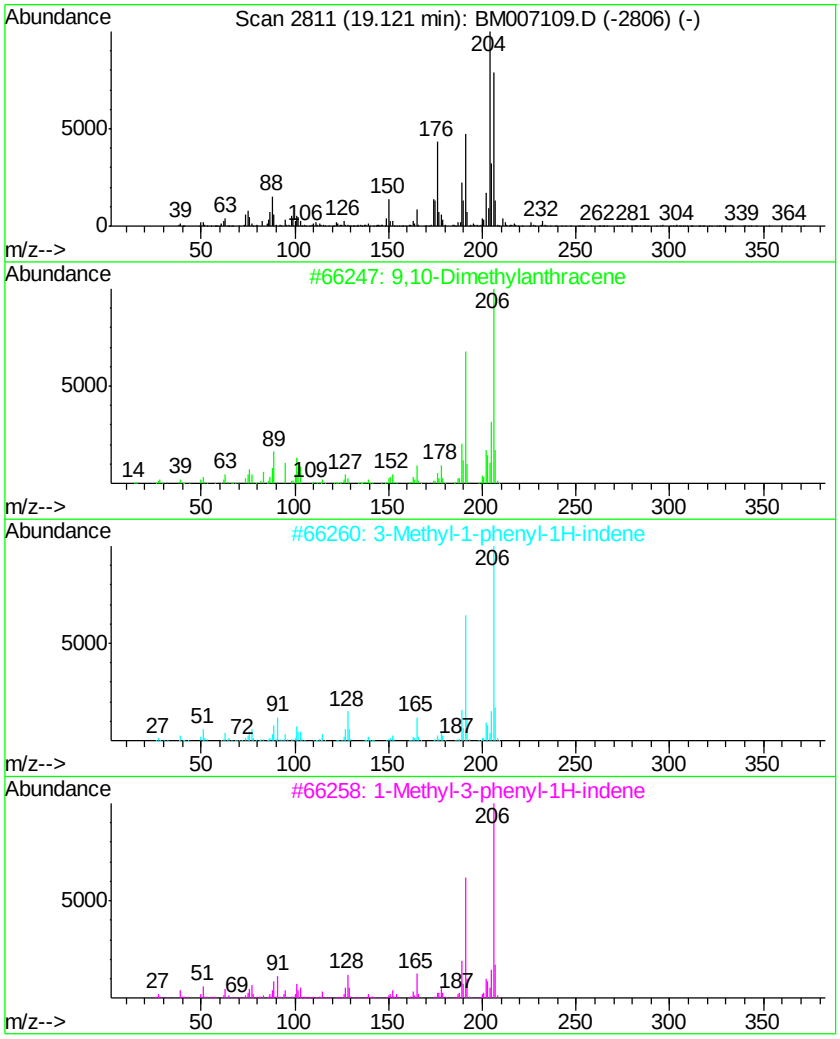
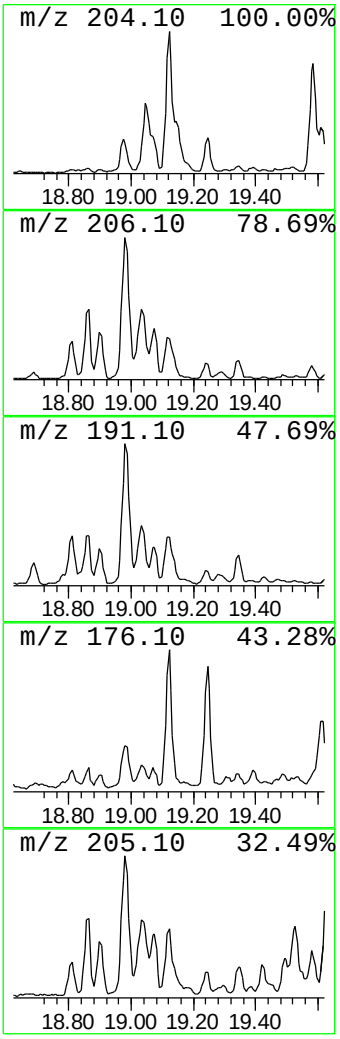
Peak Number 28 3-Methyl-1-phenyl-1H-indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	10.01 ng/ul	1956740	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	64
3	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	64
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	55
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55





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Quant Title : SVOA CALIBRATION

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

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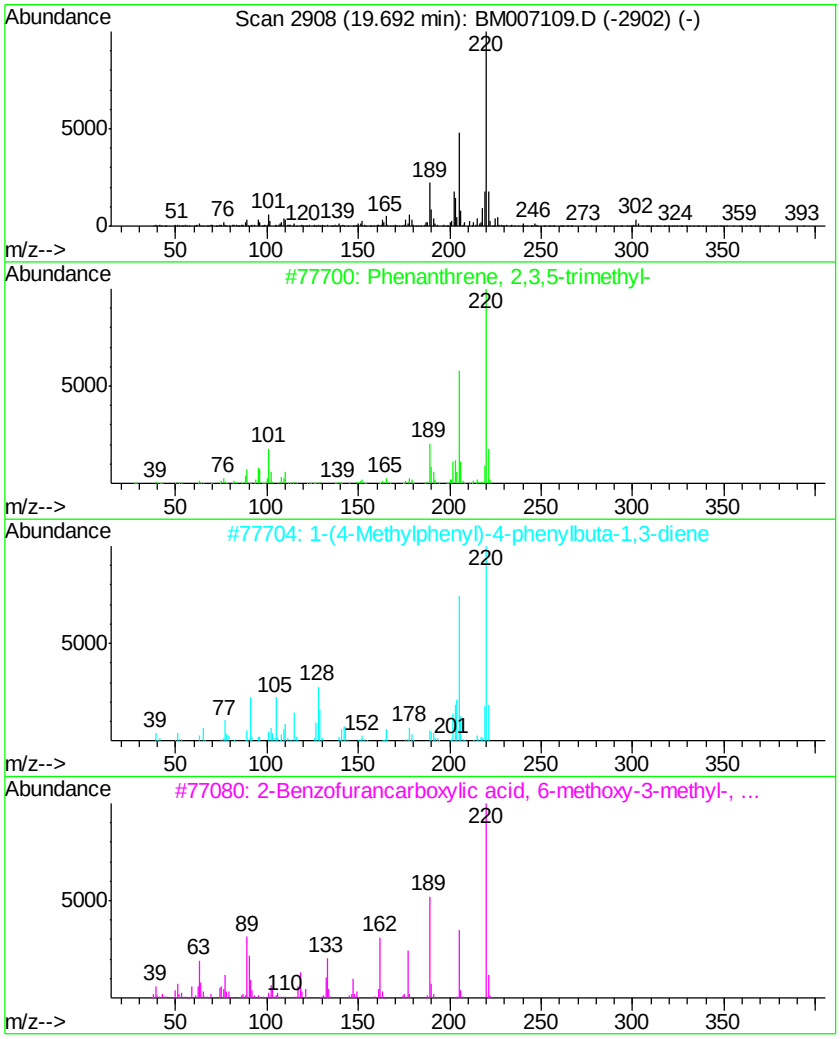
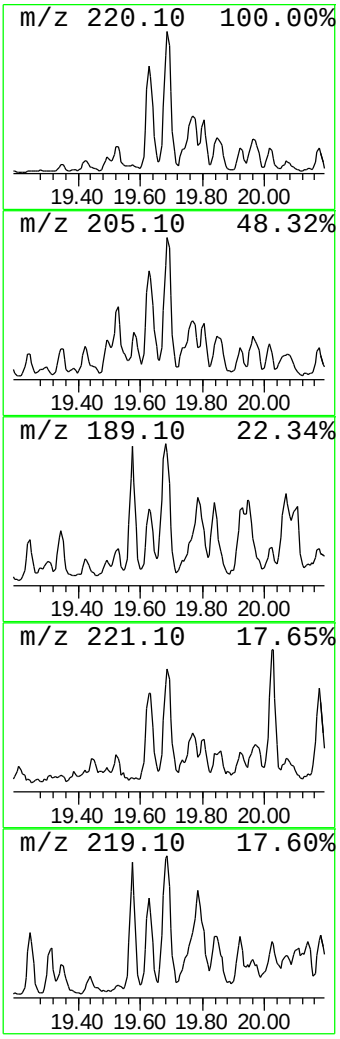
Peak Number 29 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	2.59 ng/ul	1712390	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	93
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	64
3	2-Benzofurancarboxylic acid, 6-m...	220	C12H12O4	1000349-99-8	50
4	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	49
5	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	49





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

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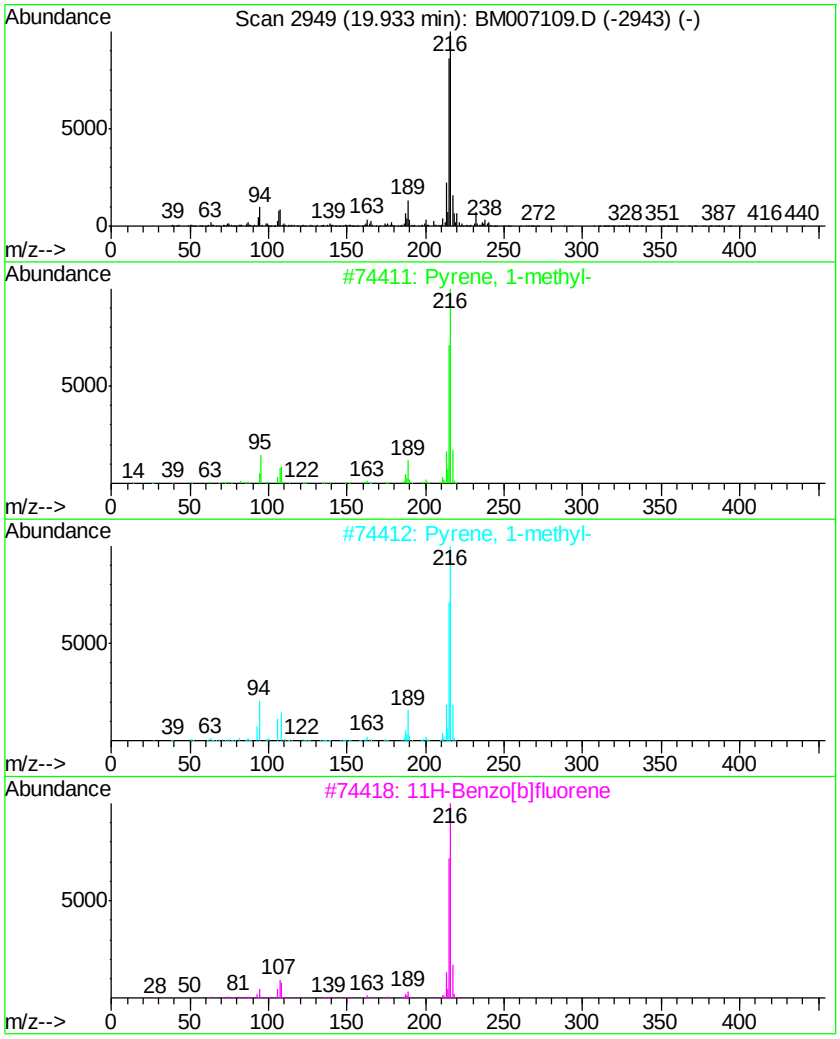
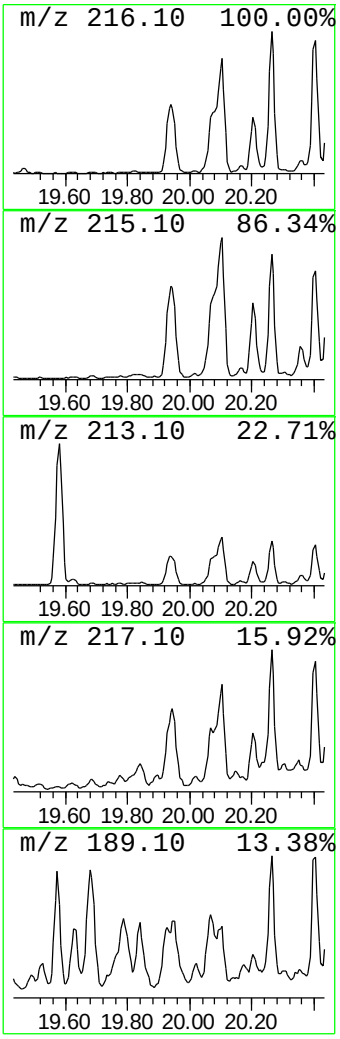
Peak Number 30 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	4.45 ng/ul	2944750	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

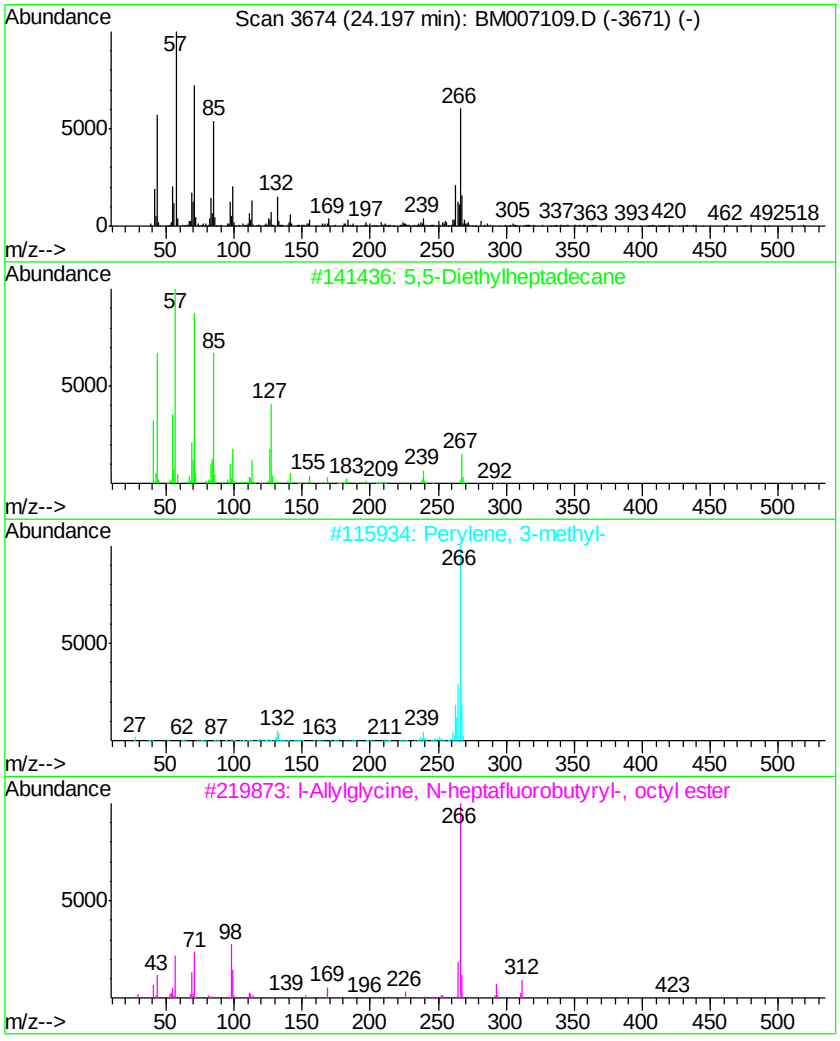
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

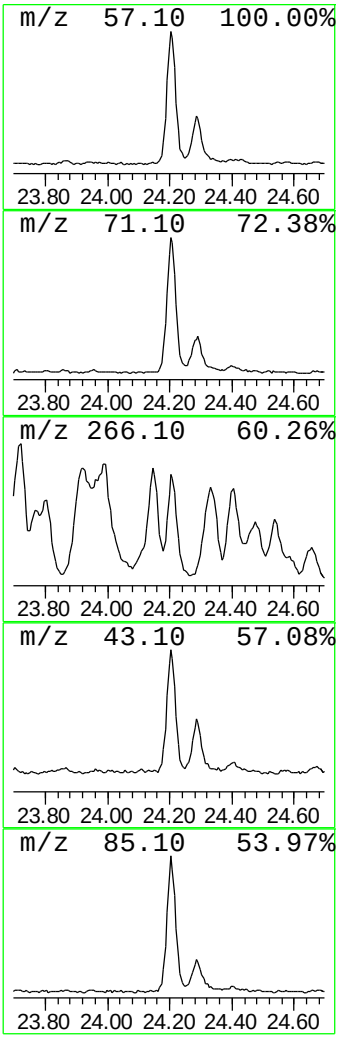
****

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	7.26 ng/ul	1827360	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Diethylheptadecane	296	C21H44	1000360-41-7	49
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	40
3	l-Allylglycine, N-heptafluorobut...	423	C17H24F7NO3	1000325-29-5	35
4	l-Allylglycine, N-heptafluorobut...	451	C19H28F7NO3	1000325-29-7	22
5	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	15





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007109.D
Acq On : 14 Aug 2016 15:54
Operator : UM/SJ
Sample : H4387-11
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS003-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.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
Hexanoic acid, 2-...	9.08	3.0	ng/ul	282717	1	7.82	1855570	20.0
Naphthalene, 2,3-...	13.76	2.0	ng/ul	336240	3	14.44	3313140	20.0
Naphthalene, 2,3,...	15.05	3.0	ng/ul	493375	3	14.44	3313140	20.0
(DEL) Alkane: Str...	15.30	3.2	ng/ul	528662	3	14.44	3313140	20.0
(DEL) Alkane: Str...	16.16	4.4	ng/ul	852542	4	17.19	3908990	20.0
9H-Fluorene, 2-me...	16.49	2.3	ng/ul	452850	4	17.19	3908990	20.0
Dibenzothiophene	17.00	2.8	ng/ul	549283	4	17.19	3908990	20.0
Fluorenone oxime	17.37	2.3	ng/ul	440639	4	17.19	3908990	20.0
Dibenzothiophene,...	17.76	3.8	ng/ul	736681	4	17.19	3908990	20.0
4-Methylnaphtho[1...	17.91	2.5	ng/ul	493341	4	17.19	3908990	20.0
Phenanthrene, 2-m...	18.06	15.6	ng/ul	3040810	4	17.19	3908990	20.0
Phenanthrene, 1-m...	18.11	13.3	ng/ul	2597960	4	17.19	3908990	20.0
1H-Cyclopropa[l]p...	18.19	3.8	ng/ul	749137	4	17.19	3908990	20.0
Phenanthrene, 4-m...	18.29	8.4	ng/ul	1644440	4	17.19	3908990	20.0
(DEL) Alkane: Str...	18.38	2.1	ng/ul	415195	4	17.19	3908990	20.0
2,7-Dimethyldiben...	18.46	2.3	ng/ul	451078	4	17.19	3908990	20.0
1,2,4,8-Tetrameth...	18.56	4.9	ng/ul	956054	4	17.19	3908990	20.0
9,10-Anthracenedione	18.60	6.5	ng/ul	1279770	4	17.19	3908990	20.0
Naphtho[2,3-b]thi...	18.78	2.4	ng/ul	472059	4	17.19	3908990	20.0
Phenanthrene, 2,3...	18.81	4.9	ng/ul	965848	4	17.19	3908990	20.0
Phenanthrene, 3,6...	18.86	7.4	ng/ul	1452580	4	17.19	3908990	20.0
Phenanthrene, 2,5...	18.90	4.7	ng/ul	916133	4	17.19	3908990	20.0
di-p-Tolylacetylene	19.03	8.6	ng/ul	1677690	4	17.19	3908990	20.0
9,10-Dimethylanth...	19.07	4.3	ng/ul	846982	4	17.19	3908990	20.0
3-Methyl-1-phenyl...	19.12	10.0	ng/ul	1956740	4	17.19	3908990	20.0
Phenanthrene, 2,3...	19.69	2.6	ng/ul	1712390	5	21.37	13241600	20.0
Pyrene, 1-methyl-	19.93	4.5	ng/ul	2944750	5	21.37	13241600	20.0
(DEL) Alkane: Str...	24.20	7.3	ng/ul	1827360	6	23.66	5036320	20.0