LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM072715.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.352	108	113	125	rVB	106774	138601	2.59%	0.238%
2	5.199	422	427	436	rBB	15649	31989	0.60%	0.055%
3	5.563	484	489	495	rBB	17666	25527	0.48%	0.044%
4	6.745	685	690	700	rVB	153837	261169	4.89%	0.449%
5	6.898	711	716	727	rVB	111815	172246	3.22%	0.296%
6	7.093	743	749	757	rBB	167637	262812	4.92%	0.452%
7	7.198	763	767	772	rVB	17869	25095	0.47%	0.043%
8	7.557	817	828	835	rBB	340487	547850	10.25%	0.942%
9	8.281	945	951	958	rBV	202258	334824	6.26%	0.576%
10	8.716	1019	1025	1031	rVV	156335	256736	4.80%	0.442%
11	9.434	1138	1147	1155	rBV	141953	241079	4.51%	0.415%
12	9.516	1156	1161	1167	rBV5	9026	24837	0.46%	0.043%
13	9.569	1167	1170	1176	rVB5	13451	22303	0.42%	0.038%
14	9.975	1233	1239	1247	rBV	226265	377867	7.07%	0.650%
15	10.210	1272	1279	1283	rBV	13060	21682	0.41%	0.037%
16	10.345	1287	1302	1307	rVV	519232	869649	16.27%	1.496%
17	10.392	1307	1310	1316	rVB	33336	53072	0.99%	0.091%
18	10.492	1322	1327	1336	rVB	113848	201199	3.76%	0.346%
19	11.022	1408	1417	1422	rVB9	11366	32784	0.61%	0.056%
20	11.357	1469	1474	1482	rBV3	25937	59163	1.11%	0.102%
21	11.416	1482	1484	1494	rVB8	16945	37503	0.70%	0.065%
22	12.016	1582	1586	1592	rVB	35846	60571	1.13%	0.104%
23	12.080	1592	1597	1604	rBV7	16311	32993	0.62%	0.057%
24	12.239	1618	1624	1630	rBV	21872	43788	0.82%	0.075%
25	12.557	1673	1678	1682	rBV4	19676	35751	0.67%	0.062%
26	12.633	1687	1691	1696	rVB6	21704	35026	0.66%	0.060%
27	12.739	1706	1709	1714	rVB	50749	66961	1.25%	0.115%
28	12.810	1715	1721	1729	rBV9	22125	55098	1.03%	0.095%
29	12.980	1746	1750	1754	rBV3	37166	60121	1.12%	0.103%
30	13.386	1815	1819	1825	rBV4	20768	55870	1.05%	0.096%
31	13.539	1840	1845	1851	rVB3	44657	89298	1.67%	0.154%
32	13.639	1856	1862	1866	rVV	420720	637433	11.92%	1.097%
33	13.686	1866	1870	1876	rVB2	182591	312302	5.84%	0.537%
34	13.745	1877	1880	1884	rBV5	27500	47954	0.90%	0.082%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM072715.M
Title : SVOA CALIBRATION

35	13.916	1904	1909	1913	rBV	443108	679647	12.71%	1.169%
36	14.039	1926	1930	1937	rVB	108297	177252	3.32%	0.305%
37	14.121	1939	1944	1949	rBV5	39247	75971	1.42%	0.131%
38	14.180	1950	1954	1956	rVV3	48053	73705	1.38%	0.127%
39	14.227	1956	1962	1968	rVV2	793135	1217047	22.77%	2.094%
40	14.292	1968	1973	1981	rVV2	129436	234707	4.39%	0.404%
41	14.463	1998	2002	2009	rVB	141624	229793	4.30%	0.395%
42	14.627	2027	2030	2034	rVB	63119	82486	1.54%	0.142%
43	14.745	2047	2050	2058	rBV7	36468	61605	1.15%	0.106%
44	14.851	2064	2068	2075	rBV5	41031	112184	2.10%	0.193%
45	15.004	2091	2094	2099	rBV5	60231	91027	1.70%	0.157%
46	15.227	2126	2132	2137	rBV	561691	781844	14.63%	1.345%
47	15.280	2137	2141	2145	rVV	113238	153395	2.87%	0.264%
48	15.374	2154	2157	2159	rBV3	39429	52717	0.99%	0.091%
49	15.486	2173	2176	2182	rVB3	52708	80677	1.51%	0.139%
50	15.574	2188	2191	2194	rBV	34642	45851	0.86%	0.079%
51	15.963	2251	2257	2268	rVB2	210524	397720	7.44%	0.684%
52	16.639	2369	2372	2378	rVB	71313	96715	1.81%	0.166%
53	16.792	2393	2398	2406	rVB2	188448	347073	6.49%	0.597%
54	16.980	2425	2430	2434	rBV2	962963	1461148	27.33%	2.514%
55	17.027	2434	2438	2442	rVV	1549362	2157111	40.35%	3.711%
56	17.080	2442	2447	2450	rVV2	634278	899912	16.83%	1.548%
57	17.115	2450	2453	2457	rVB	357886	458238	8.57%	0.788%
58	17.386	2497	2499	2504	rVB	130184	170241	3.18%	0.293%
59	17.562	2525	2529	2536	rVB2	115226	235361	4.40%	0.405%
60	17.857	2575	2579	2581	rBV	220131	281764	5.27%	0.485%
61	17.904	2584	2587	2592	rVB	356409	492136	9.21%	0.847%
62	17.986	2598	2601	2606	rVB	116051	150909	2.82%	0.260%
63	18.051	2607	2612	2616	rVV2	598737	990265	18.52%	1.704%
64	18.086	2616	2618	2627	rVB2	213330	321884	6.02%	0.554%
65	18.256	2643	2647	2652	rBV2	193025	276468	5.17%	0.476%
66	18.362	2658	2665	2669	rBV	200247	328208	6.14%	0.565%
67	18.409	2670	2673	2676	rVV	163669	196786	3.68%	0.339%
68	18.445	2676	2679	2683	rVB	133855	161933	3.03%	0.279%
69	18.604	2702	2706	2710	rVB2	151111	223859	4.19%	0.385%
70	18.786	2733	2737	2741	rBV	161389	284081	5.31%	0.489%
71	18.880	2750	2753	2755	rBV2	133091	159791	2.99%	0.275%

LSC Area Percent Report

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Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM072715.M
Title : SVOA CALIBRATION

72	18.909	2755	2758	2767	rVB3	229737	497585	9.31%	0.856%
73	19.056	2777	2783	2788	rBV	3771043	4951932	92.64%	8.519%
74	19.115	2789	2793	2796	rBV2	135460	202043	3.78%	0.348%
75	19.192	2802	2806	2811	rVB2	448838	632088	11.82%	1.087%
76	19.256	2814	2817	2820	rVV3	157282	203592	3.81%	0.350%
77	19.298	2821	2824	2827	rVB	152420	180963	3.39%	0.311%
78	19.392	2835	2840	2842	rBV3	1343044	2075433	38.83%	3.570%
79	19.421	2842	2845	2853	rVB	3275316	4654673	87.08%	8.008%
80	19.533	2862	2864	2867	rVB	128555	120989	2.26%	0.208%
81	19.645	2879	2883	2890	rVB3	415601	678568	12.69%	1.167%
82	19.915	2924	2929	2933	rVB2	611637	1077667	20.16%	1.854%
83	19.962	2933	2937	2940	rBV2	281075	350912	6.56%	0.604%
84	20.015	2943	2946	2950	rVB	368129	433091	8.10%	0.745%
85	20.186	2972	2975	2977	rBV2	232421	233526	4.37%	0.402%
86	20.503	3027	3029	3033	rVB2	272777	256113	4.79%	0.441%
87	20.650	3051	3054	3056	rBV	254957	341758	6.39%	0.588%
88	20.833	3082	3085	3088	rVB	308642	325755	6.09%	0.560%
89	21.098	3127	3130	3134	rVB	361466	374213	7.00%	0.644%
90	21.180	3139	3144	3149	rVV3	2645808	5345568	100.00%	9.196%
91	21.227	3149	3152	3162	rVB	2121975	2716307	50.81%	4.673%
92	21.345	3169	3172	3176	rVB	456131	501929	9.39%	0.863%
93	21.680	3226	3229	3233	rBV2	806997	1044615	19.54%	1.797%
94	21.827	3250	3254	3260	rBV3	1253786	1749218	32.72%	3.009%
95	21.980	3277	3280	3283	rBV3	522810	641390	12.00%	1.103%
96	22.739	3404	3409	3413	rBV	1441526	2959076	55.36%	5.091%
97	23.203	3483	3488	3492	rBV	728983	1262762	23.62%	2.172%
98	23.297	3499	3504	3510	rVB	1219050	2094888	39.19%	3.604%
99	23.391	3515	3520	3524	rBV	566618	938462	17.56%	1.614%
100	25.591	3888	3894	3904	rVB	572850	1509783	28.24%	2.597%

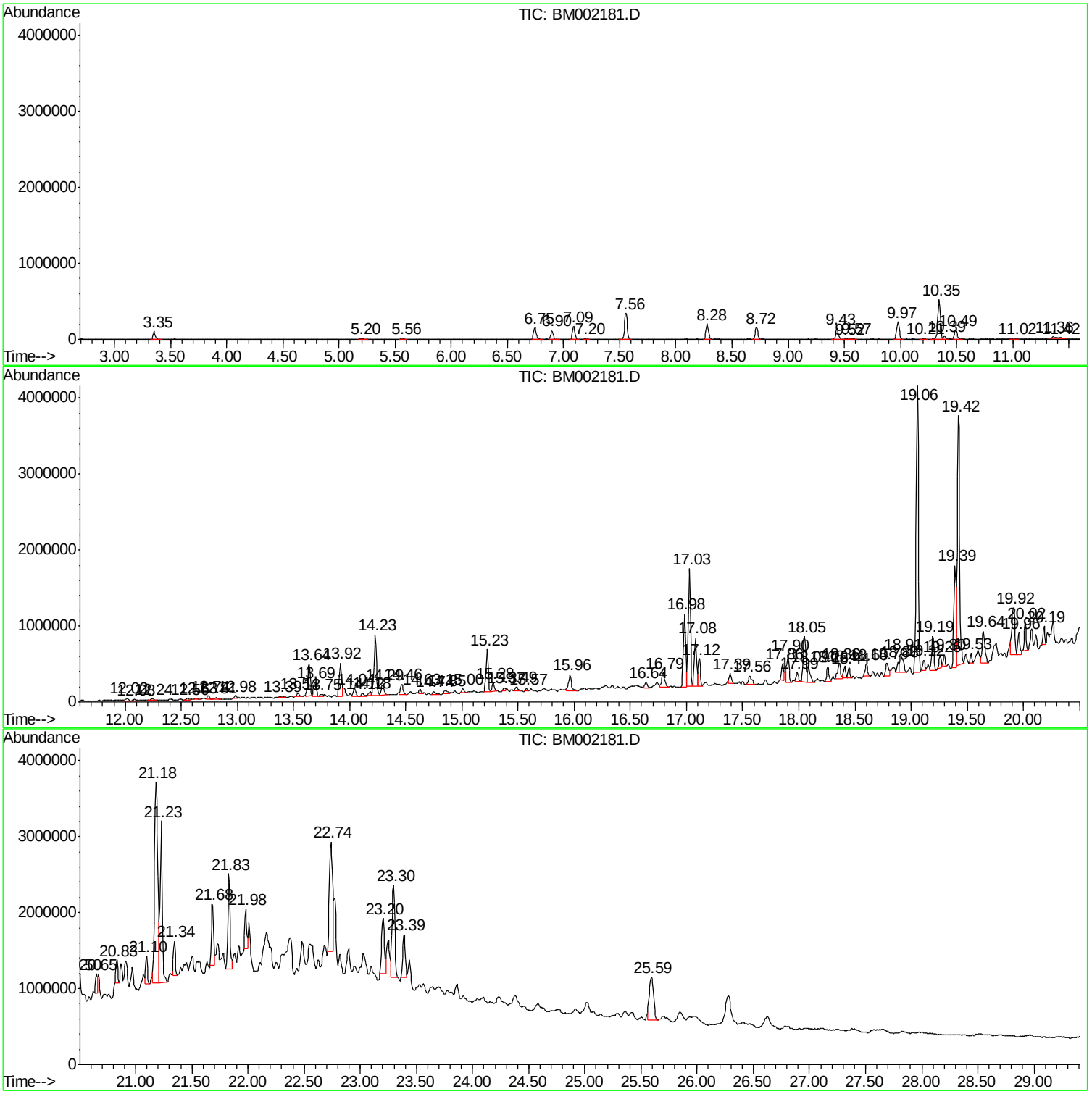
Sum of corrected areas: 58127563

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

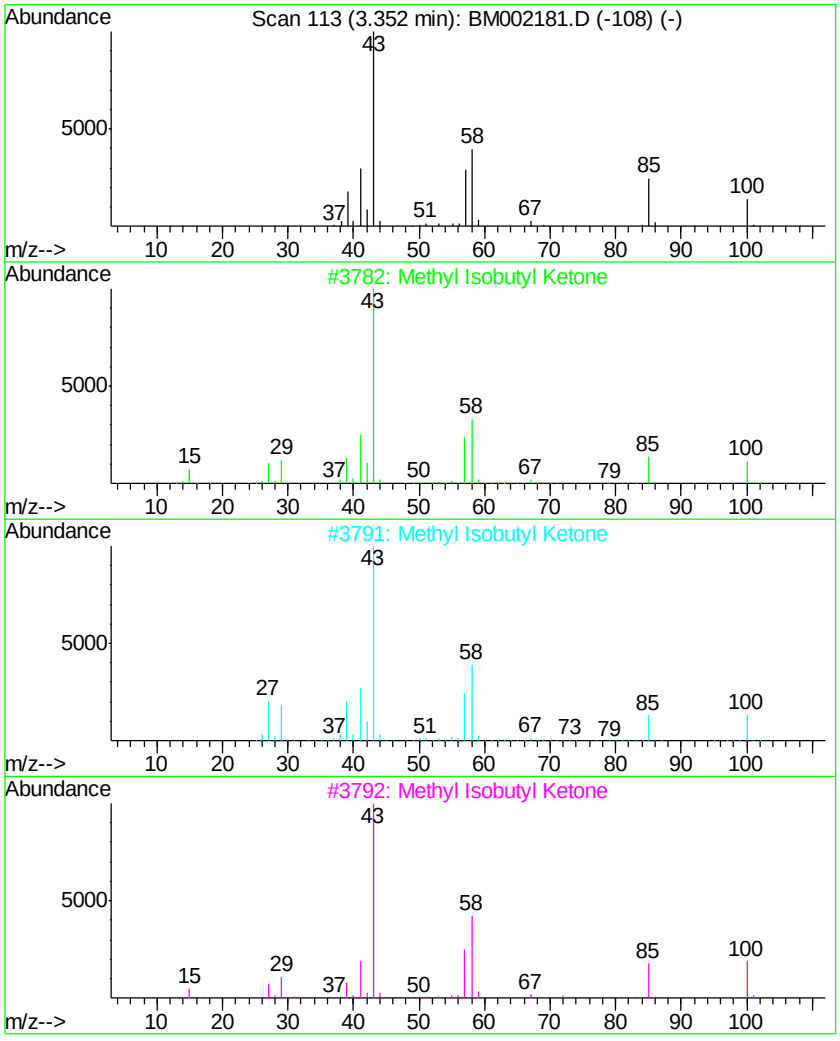
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

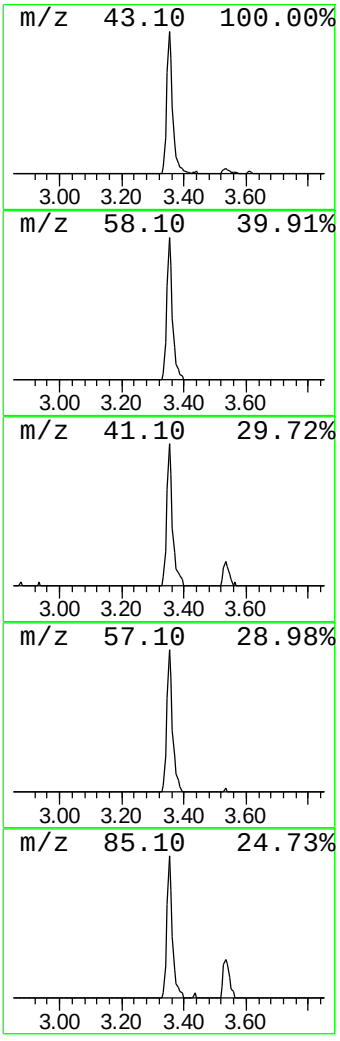
****

Peak Number 1 Methyl Isobutyl Ketone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.35	5.06 ng/ul	138601	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	87
2	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	83
3	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	72
4	2-Hexanone	100	C6H12O	000591-78-6	64
5	2-Hexanone	100	C6H12O	000591-78-6	52





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

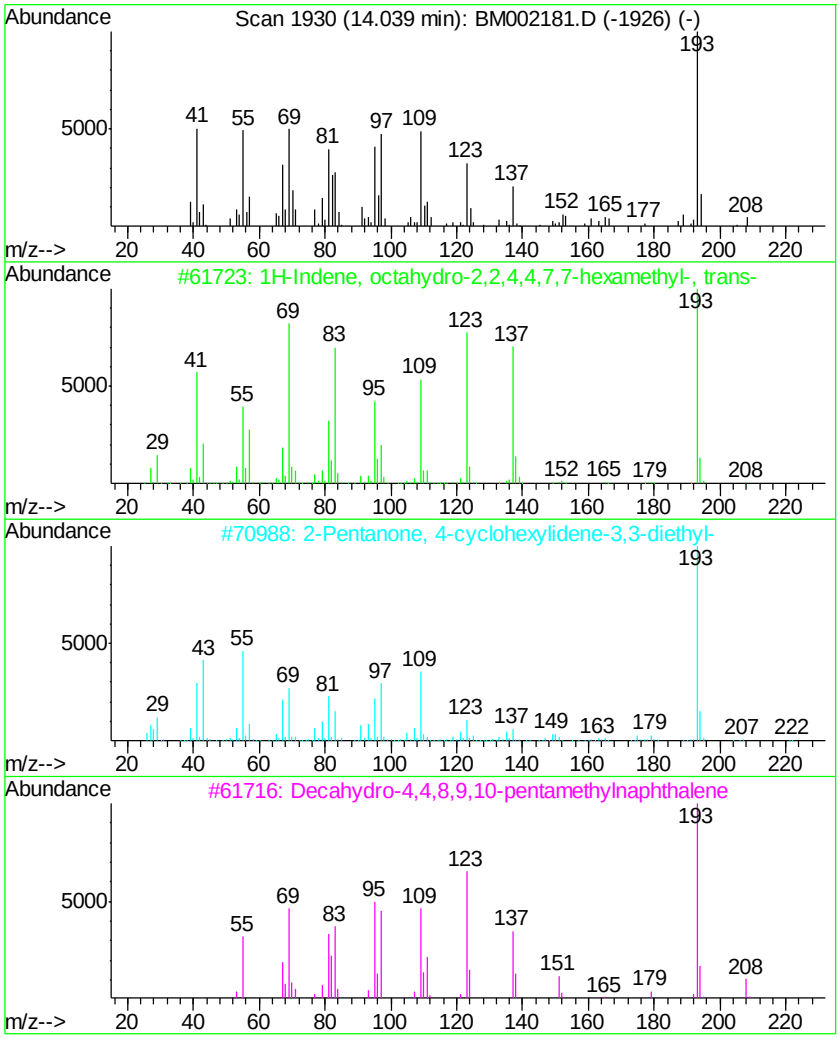
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

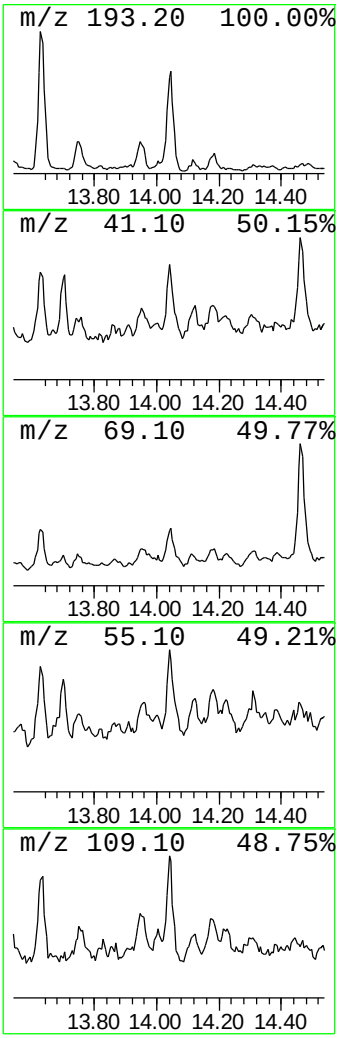
****

Peak Number 2 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	2.91 ng/ul	177252	Acenaphthene-d10	14.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	42
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	42
3	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	38
4	2-Anthracenamine	193	C14H11N	000613-13-8	38
5	Acridine, 9-methyl-	193	C14H11N	000611-64-3	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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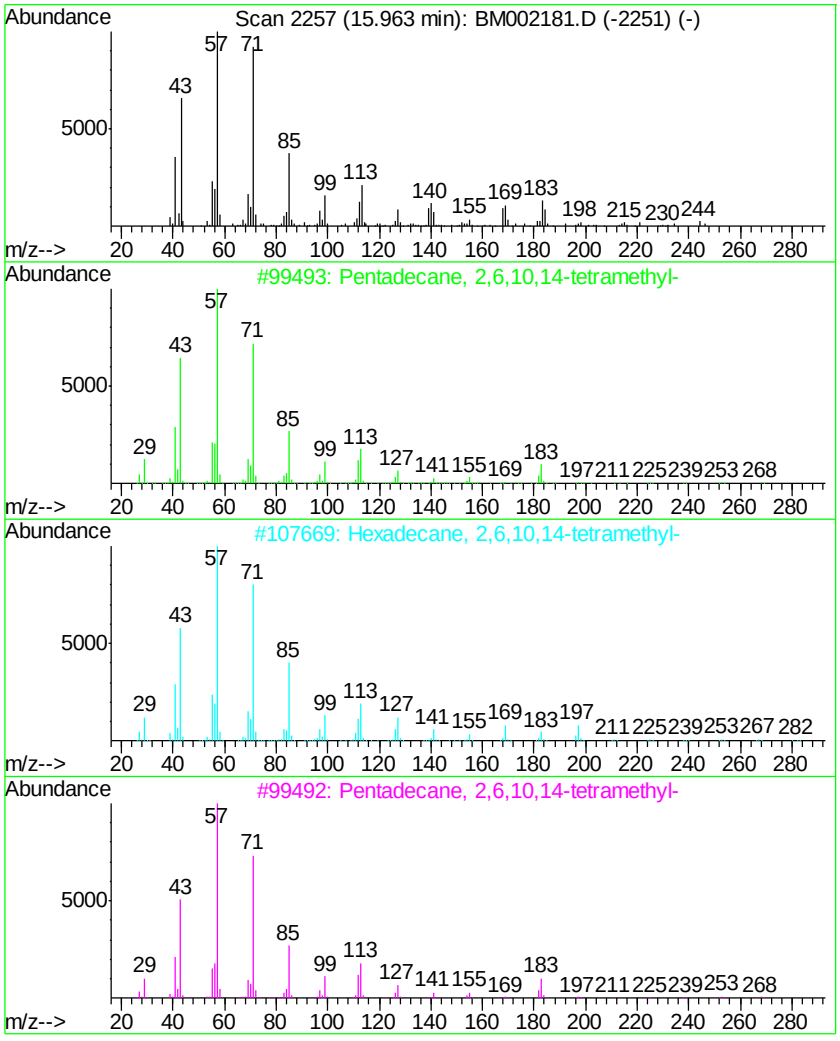
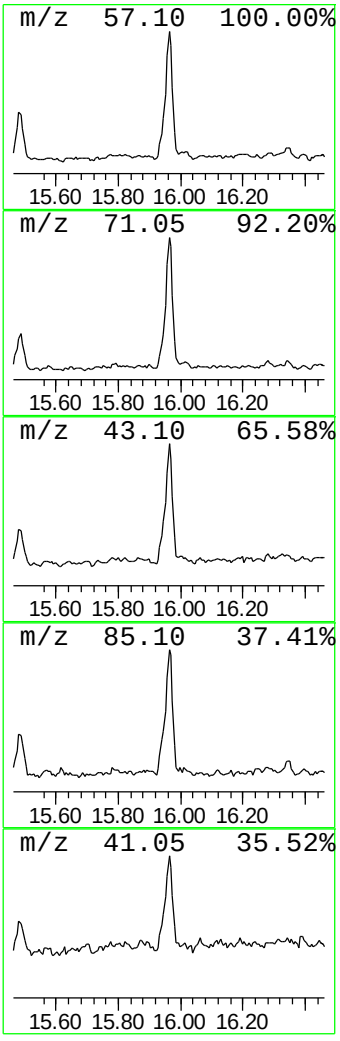
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	5.44 ng/ul	397720	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	74
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
5	2,6-Dimethyldecane	170	C12H26	013150-81-7	62





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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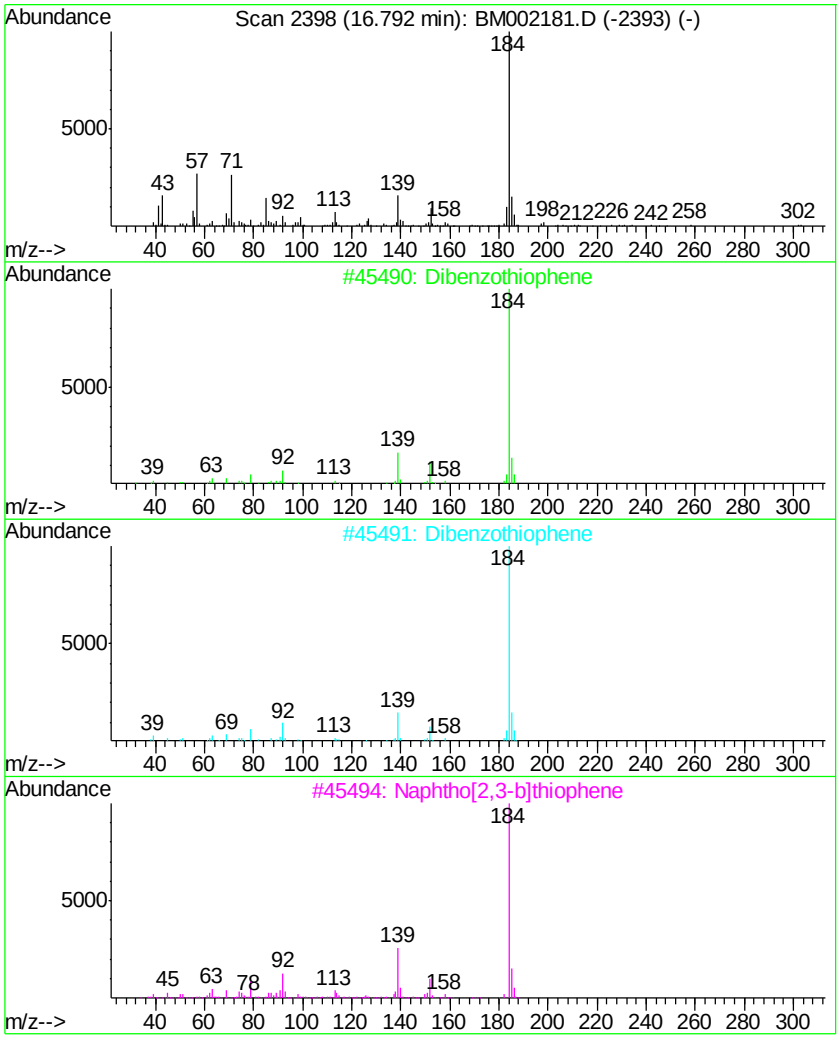
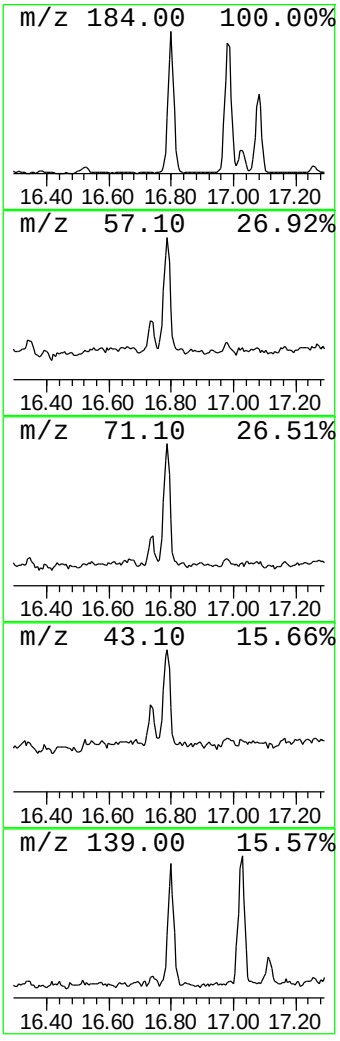
Peak Number 4 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	4.75 ng/ul	347073	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	90
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	86
4	Dibenzothiophene	184	C12H8S	000132-65-0	76
5	Dibenzothiophene	184	C12H8S	000132-65-0	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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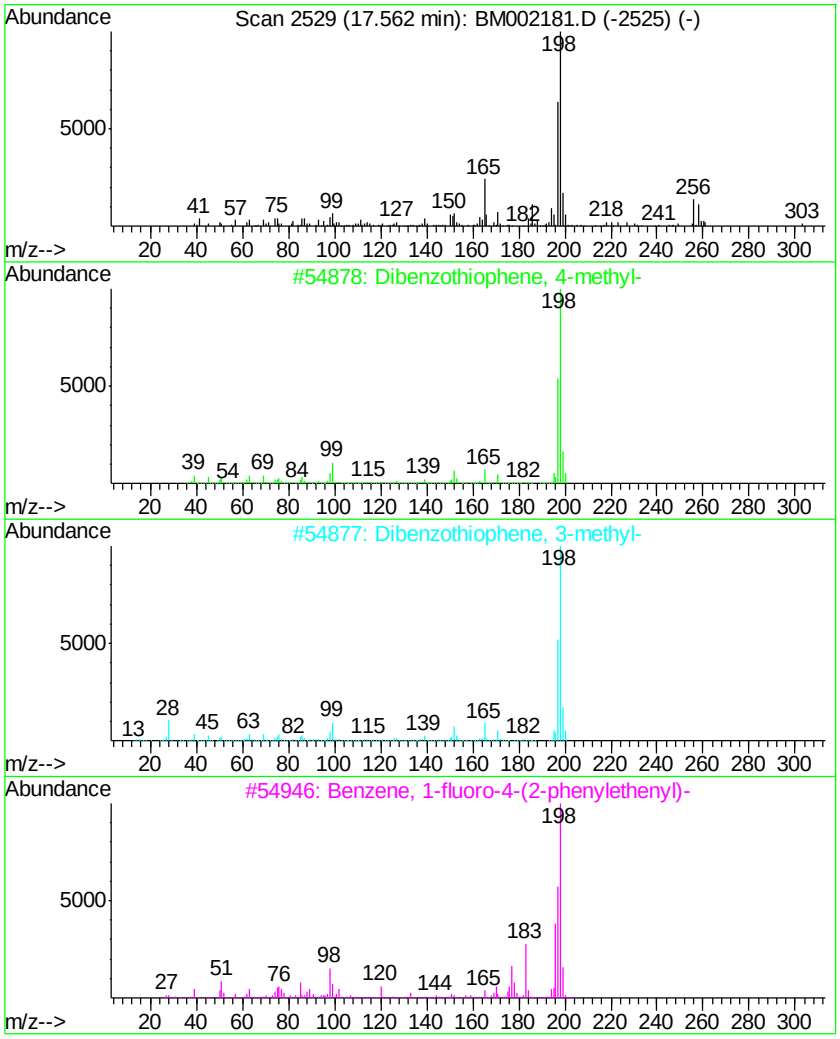
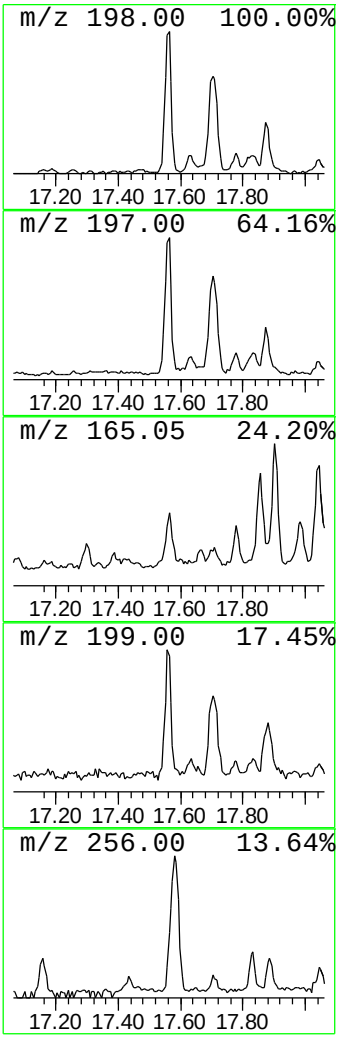
Peak Number 5 Dibenzothiophene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	3.22 ng/ul	235361	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	70
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	68
3	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	64
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	52





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Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

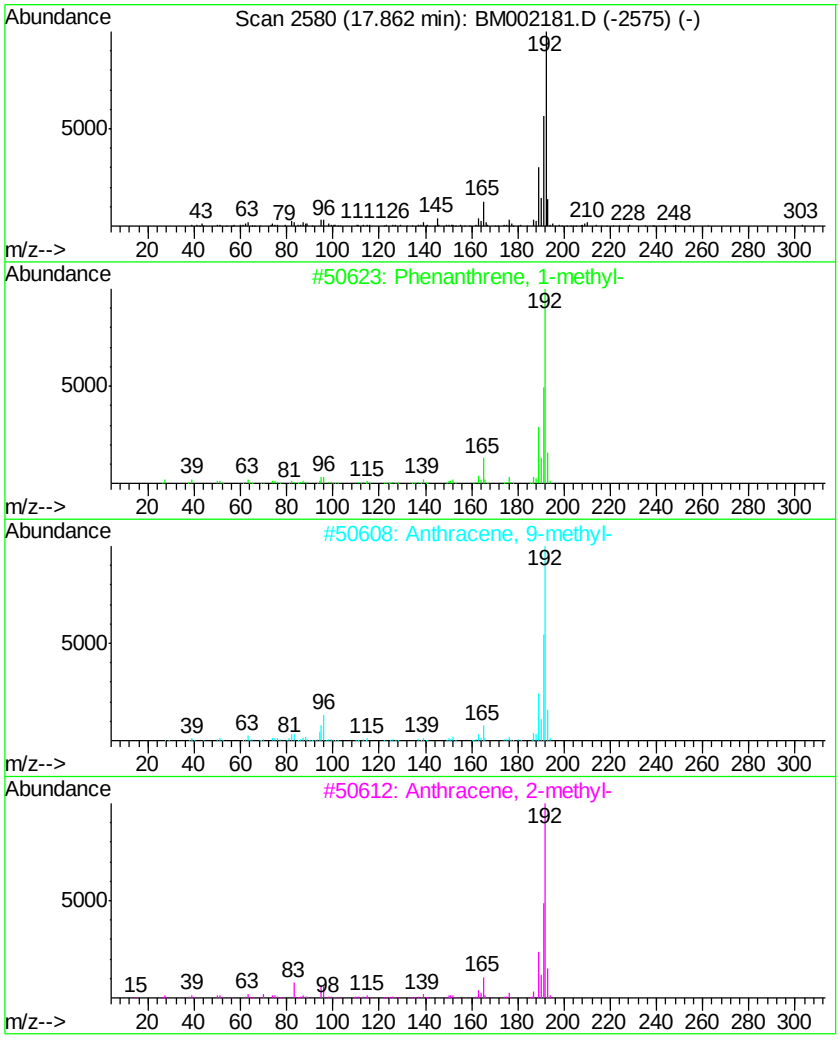
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

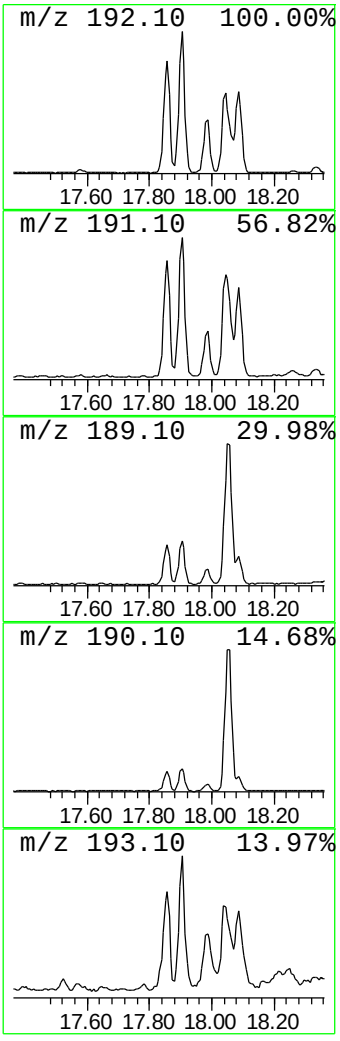
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	3.86 ng/ul	281764	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





Library Search Compound Report

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

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Quant Title : SVOA CALIBRATION

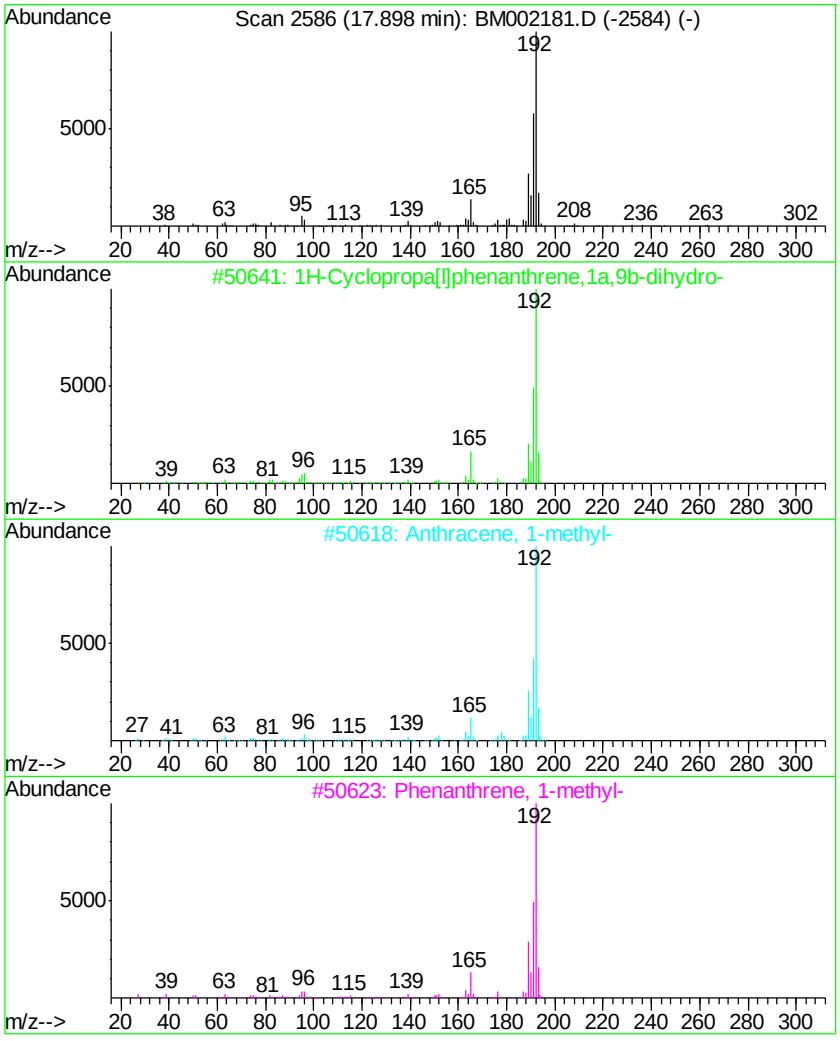
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

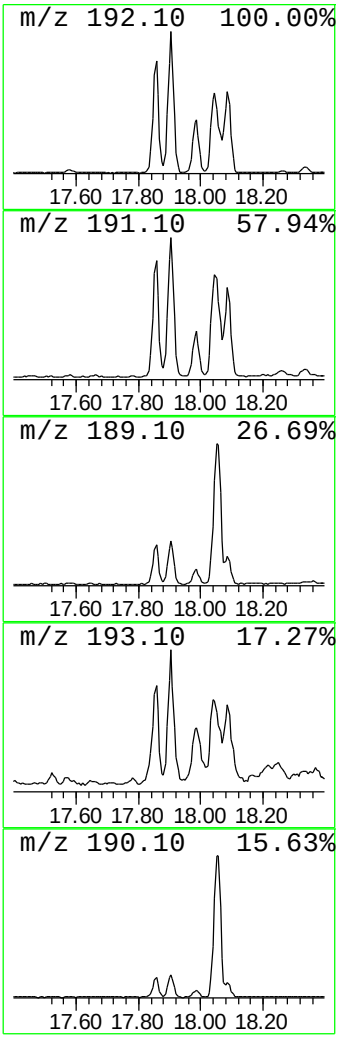
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	6.74 ng/ul	492136	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Instrument : BNA_M
ClientSampleId : C01Q6

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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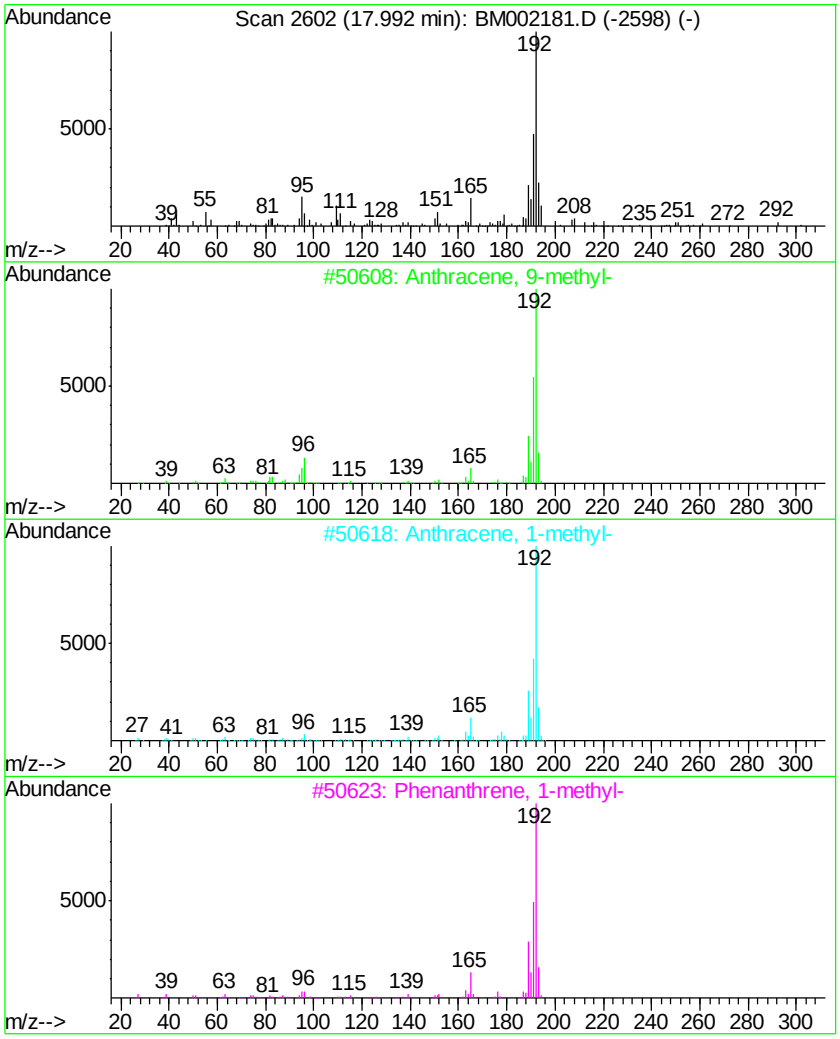
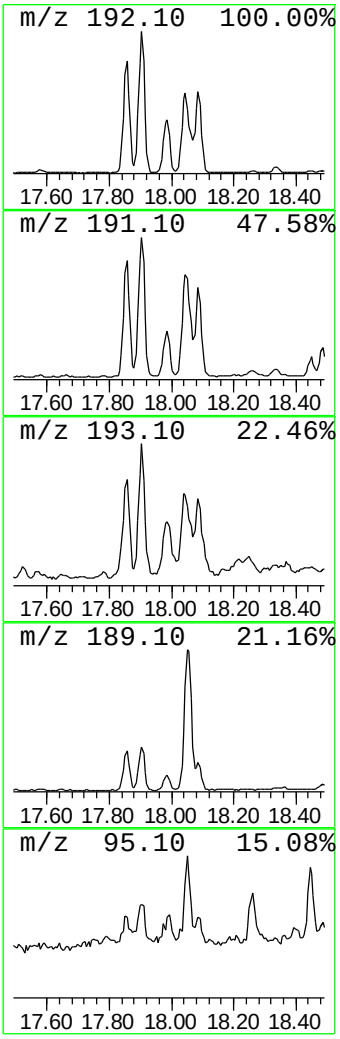
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.07 ng/ul	150909	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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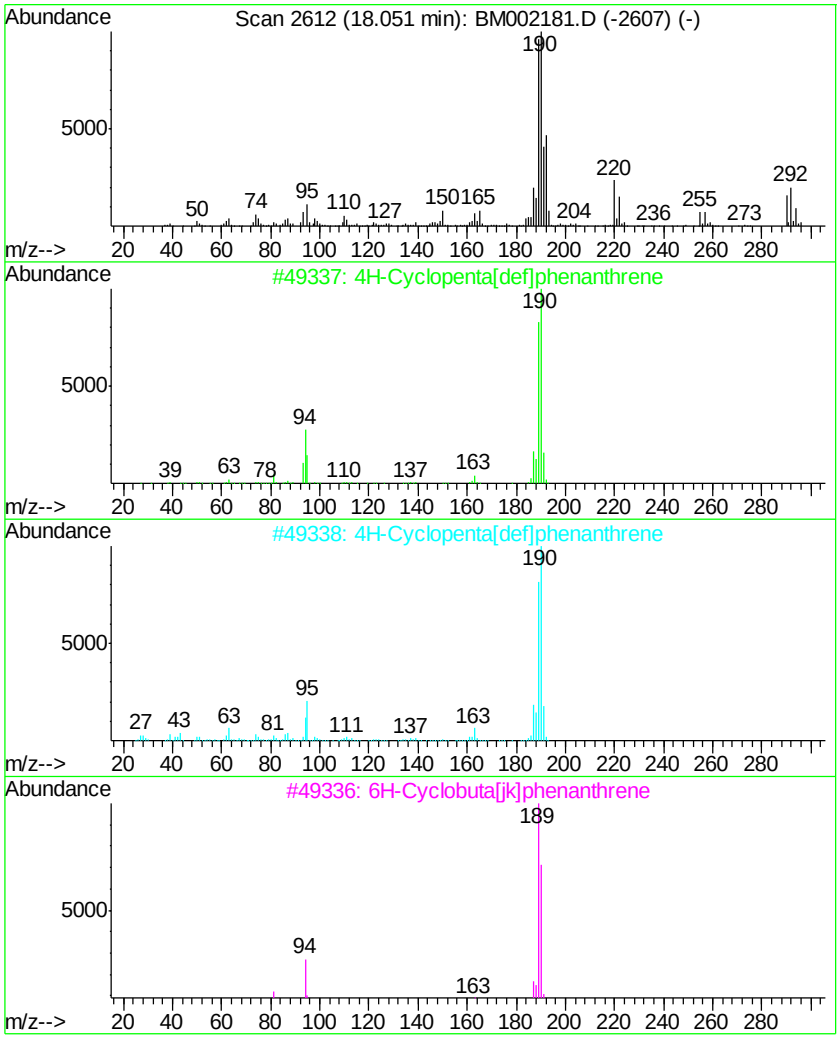
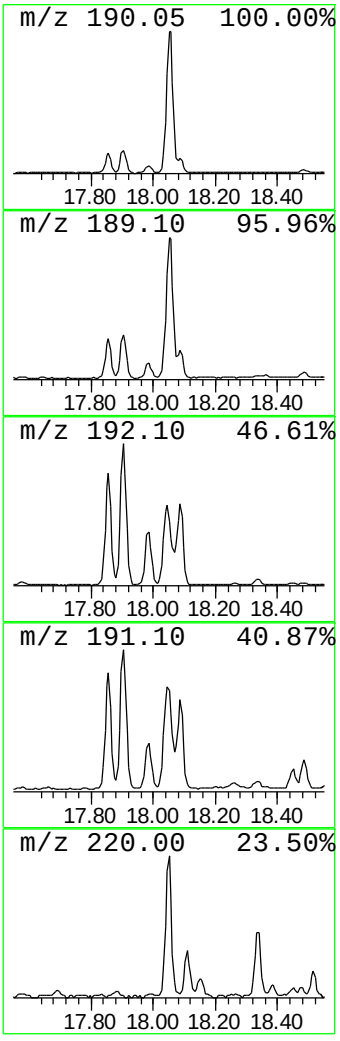
Peak Number 9 unknown-02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	13.55 ng/ul	990265	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	43
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43





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ClientSampleId : C01Q6

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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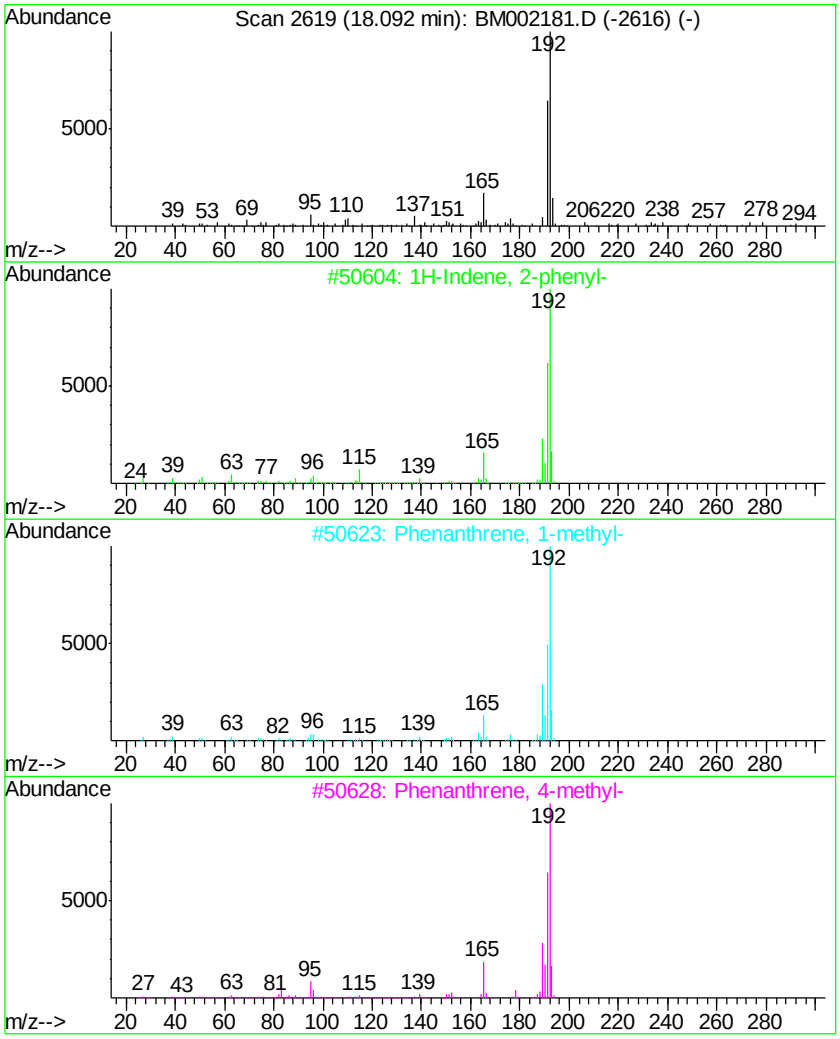
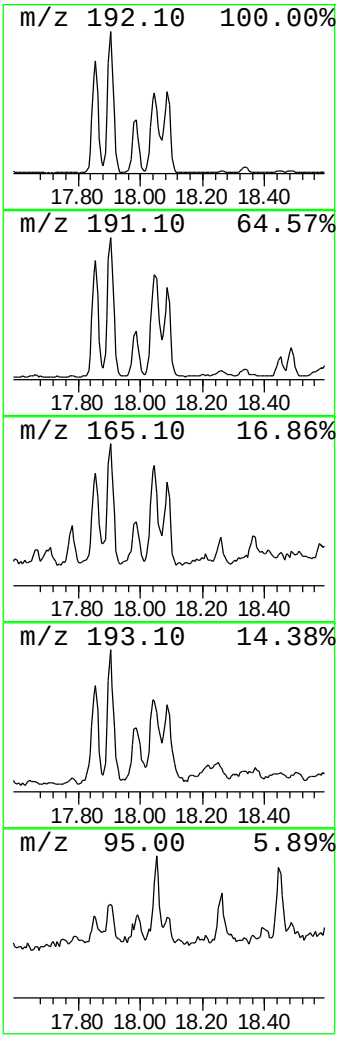
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	4.41 ng/ul	321884	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





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Instrument : BNA_M
ClientSampleId : C01Q6

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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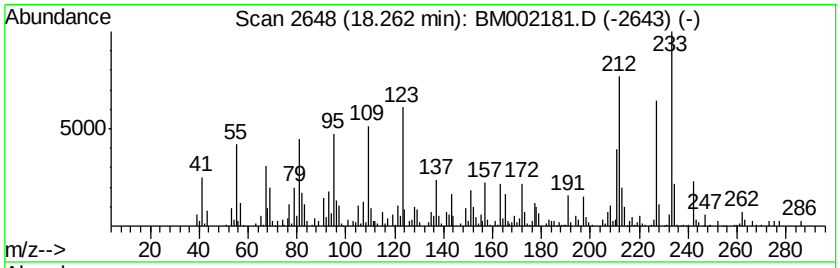
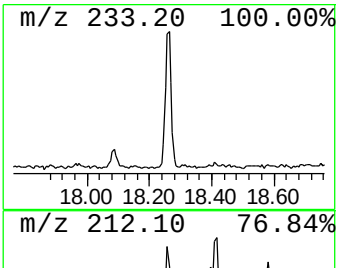
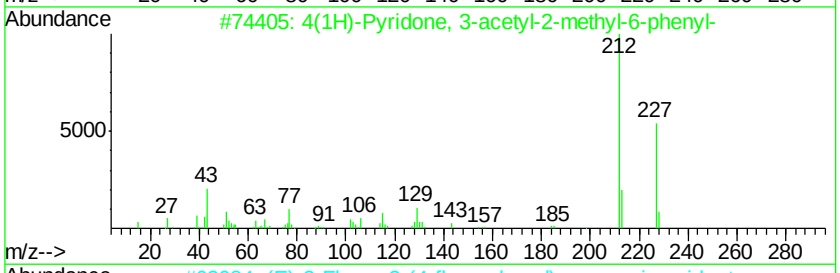
Peak Number 11 unknown-03 Concentration Rank 14

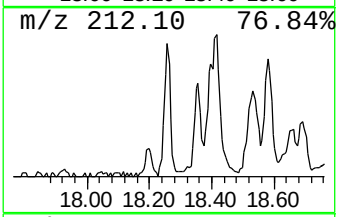
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	3.78 ng/ul	276468	Phenanthrene-d10	16.98

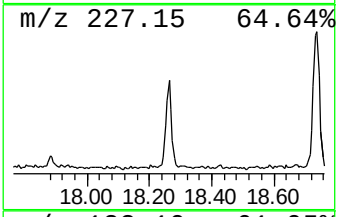
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(1H)-Pyridone, 3-acetyl-2-methy...	227	C14H13NO2	010037-19-1	25
2	(E)-2-Fluoro-3-(4-fluorophenyl)-...	212	C11H10F2O2	111055-87-9	25
3	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	20
4	1,3-Diamino-5,6-dihydrobenzo[f]q...	212	C12H12N4	016061-72-6	18
5	Naphthalene, decahydro-1,4a-dime...	208	C15H28	030824-81-8	15

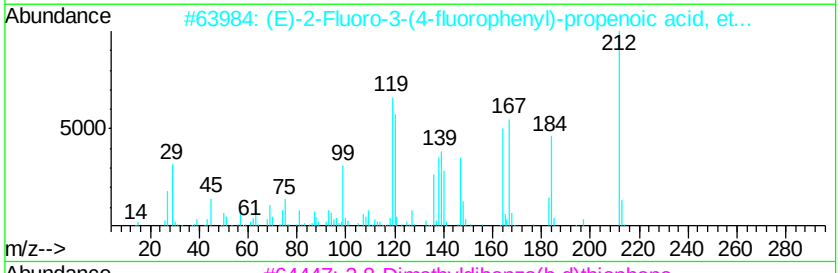


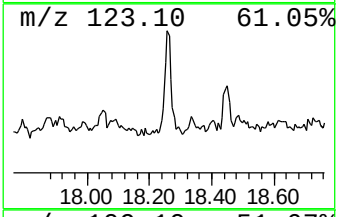


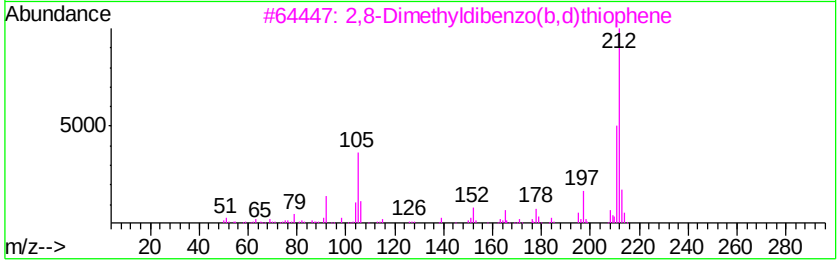


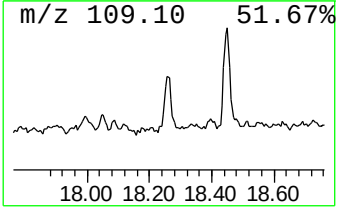












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Operator : TP
Sample : G3095-02
Misc :
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Instrument : BNA_M
ClientSampleId : C01Q6

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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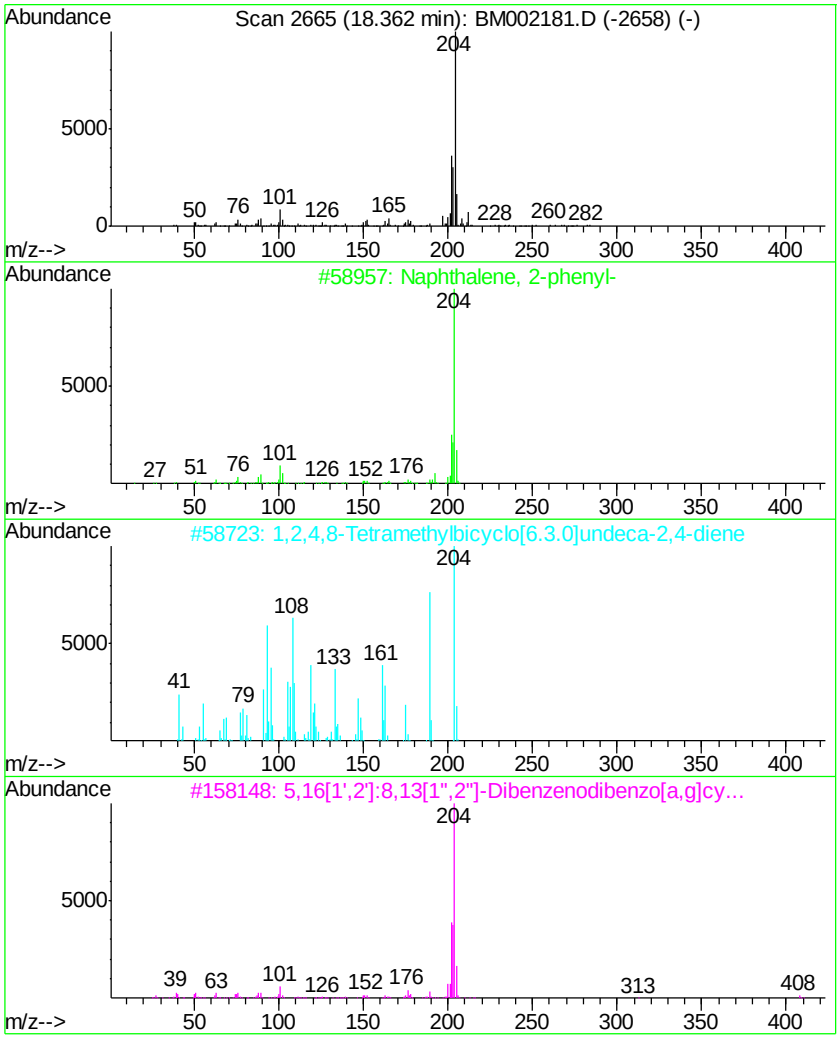
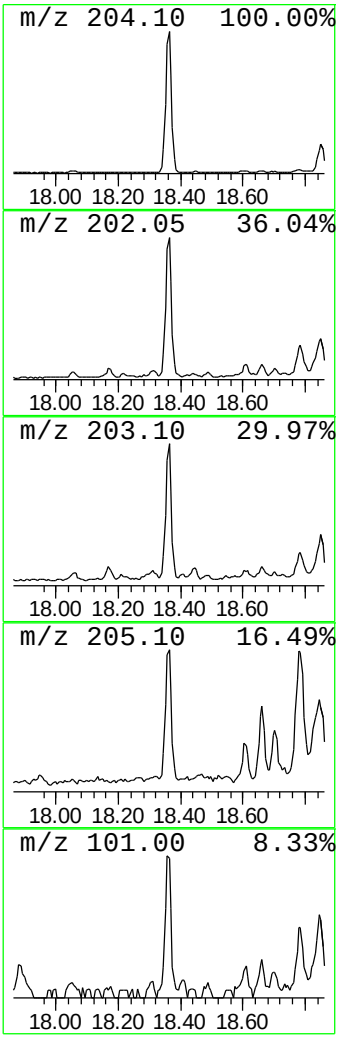
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	4.49 ng/ul	328208	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	70





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ClientSampleId : C01Q6

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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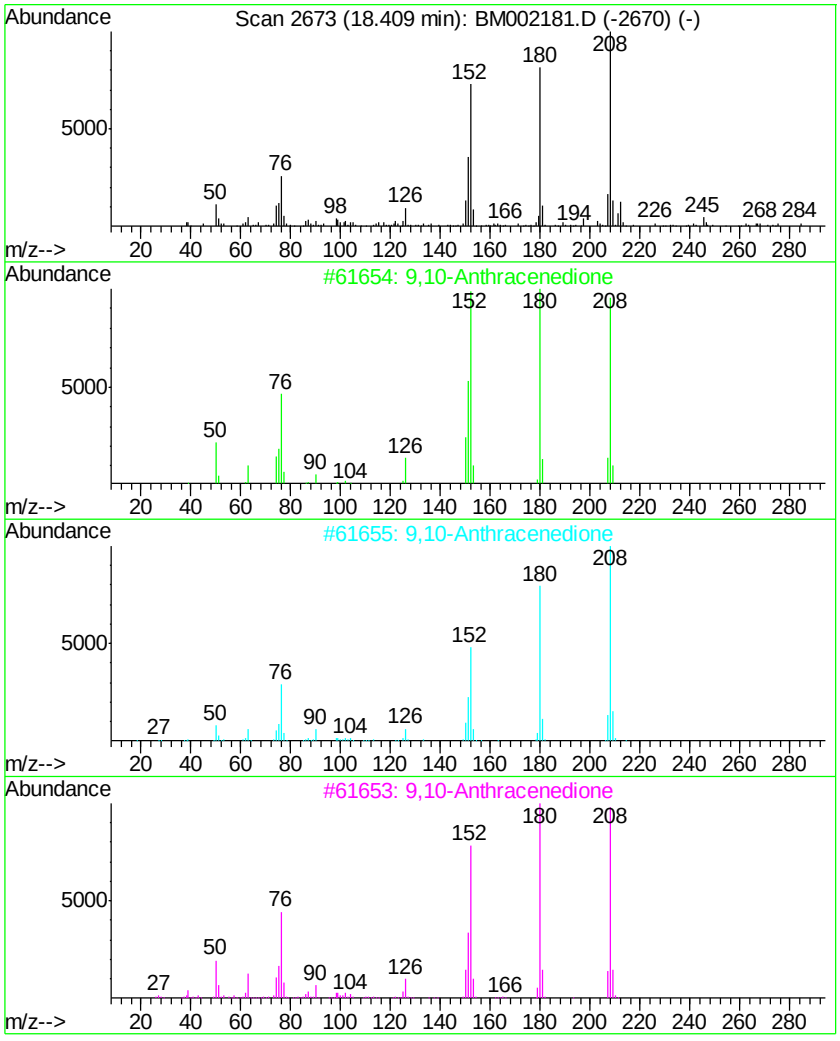
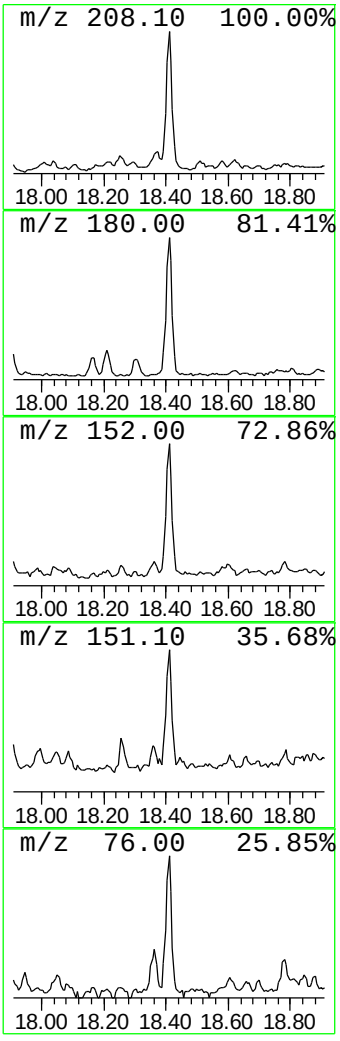
Peak Number 13 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	2.69 ng/ul	196786	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	55





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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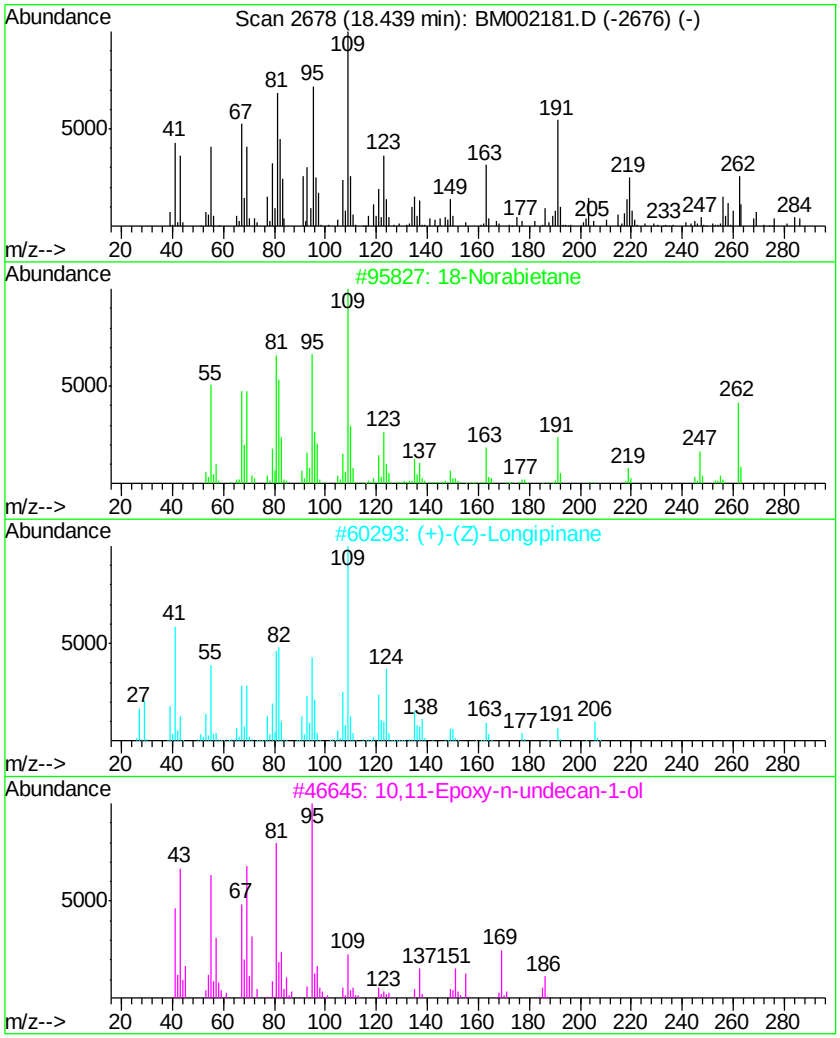
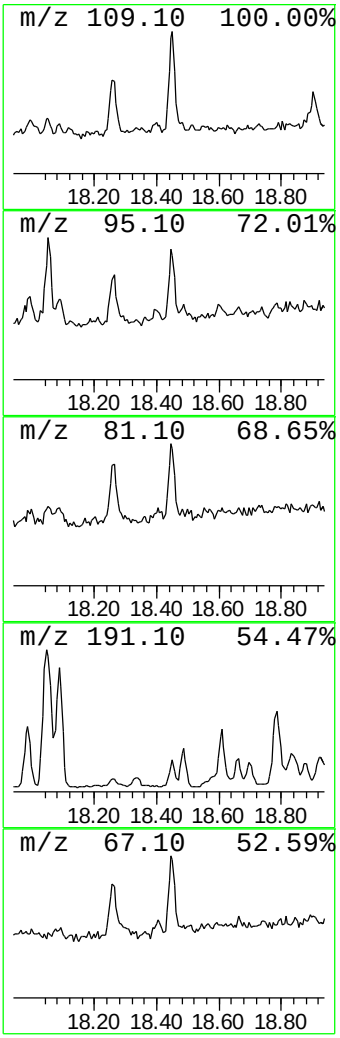
Peak Number 14 18-Norabietane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	2.22 ng/ul	161933	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	91
2	(+)-(Z)-Longipinane	206	C15H26	1000156-12-3	27
3	10,11-Epoxy-n-undecan-1-ol	186	C11H22O2	015764-66-6	25
4	Carveol 1	152	C10H16O	1000285-09-9	22
5	2(1H)-Pyridinone, 1-methyl-	109	C6H7NO	000694-85-9	18





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Instrument : BNA_M
ClientSampleId : C01Q6

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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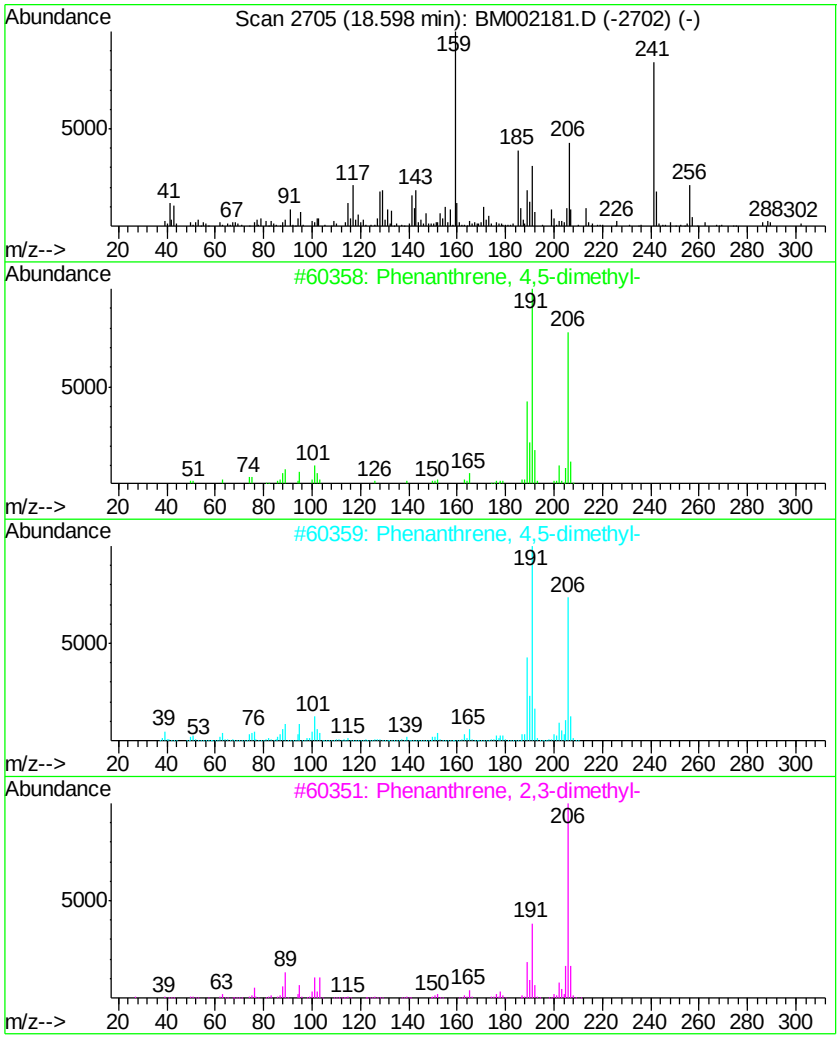
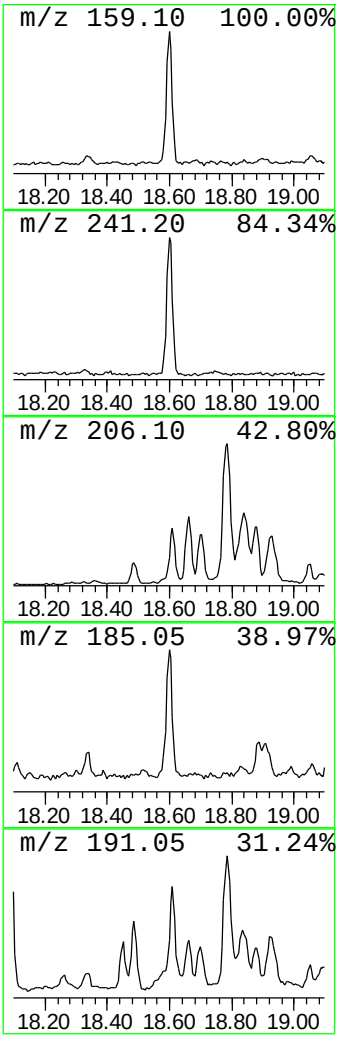
Peak Number 15 Phenanthrene, 4,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	3.06 ng/ul	223859	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	50
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	50
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	50
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	50
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46





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Sample : G3095-02
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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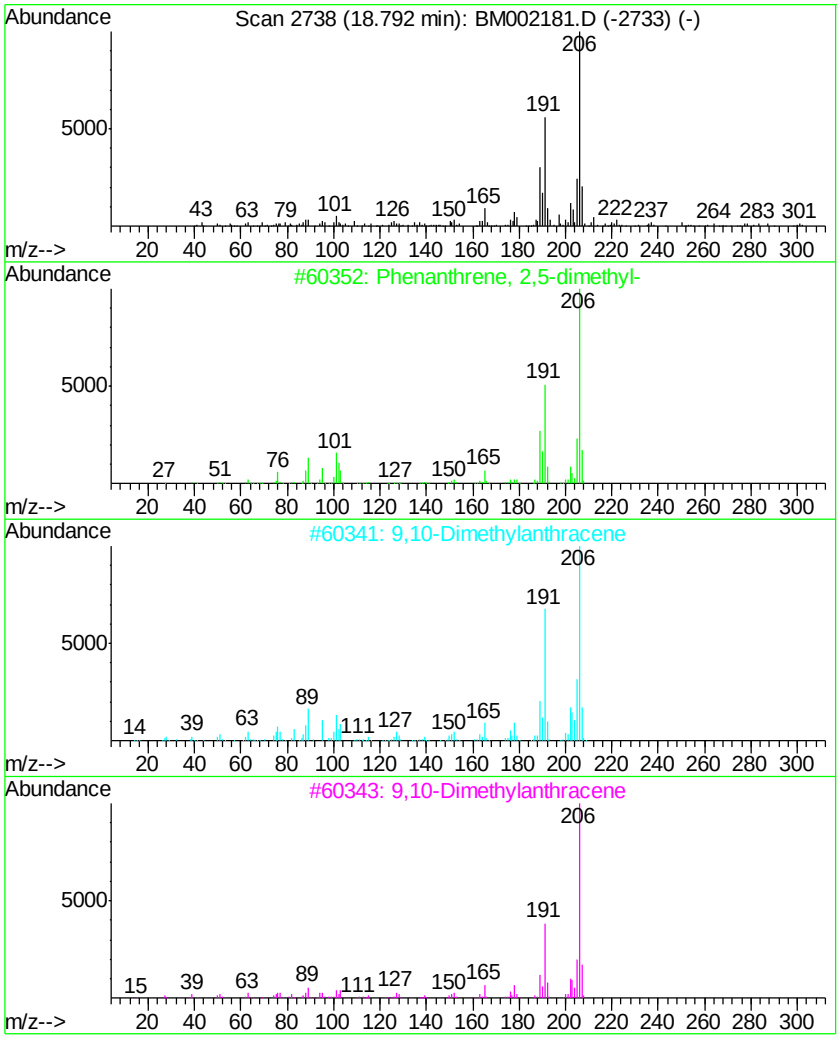
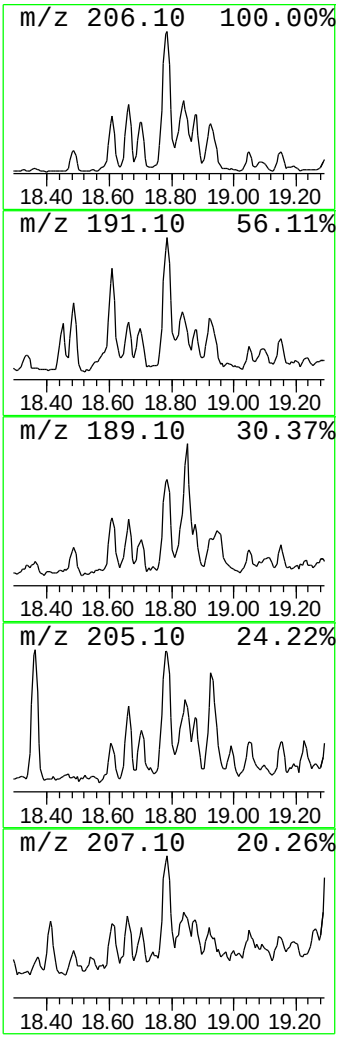
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	3.89 ng/ul	284081	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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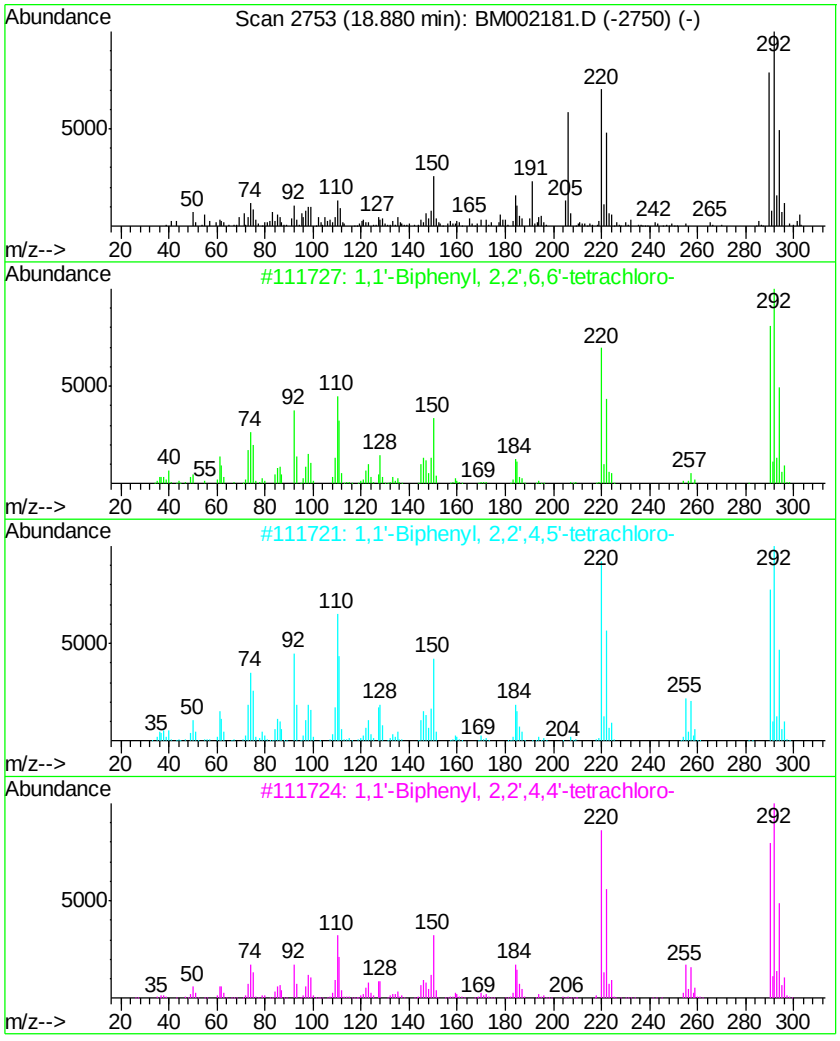
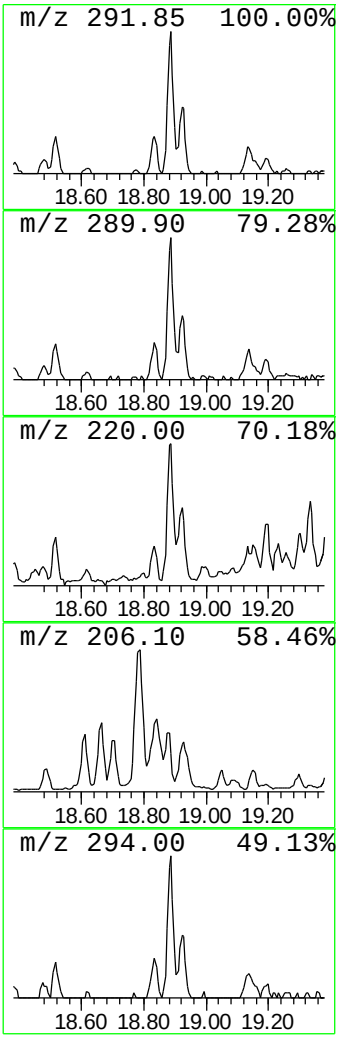
Peak Number 17 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	2.19 ng/ul	159791	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	98
2	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	97
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	95
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	95





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Acq On : 02 Aug 2015 22:29
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Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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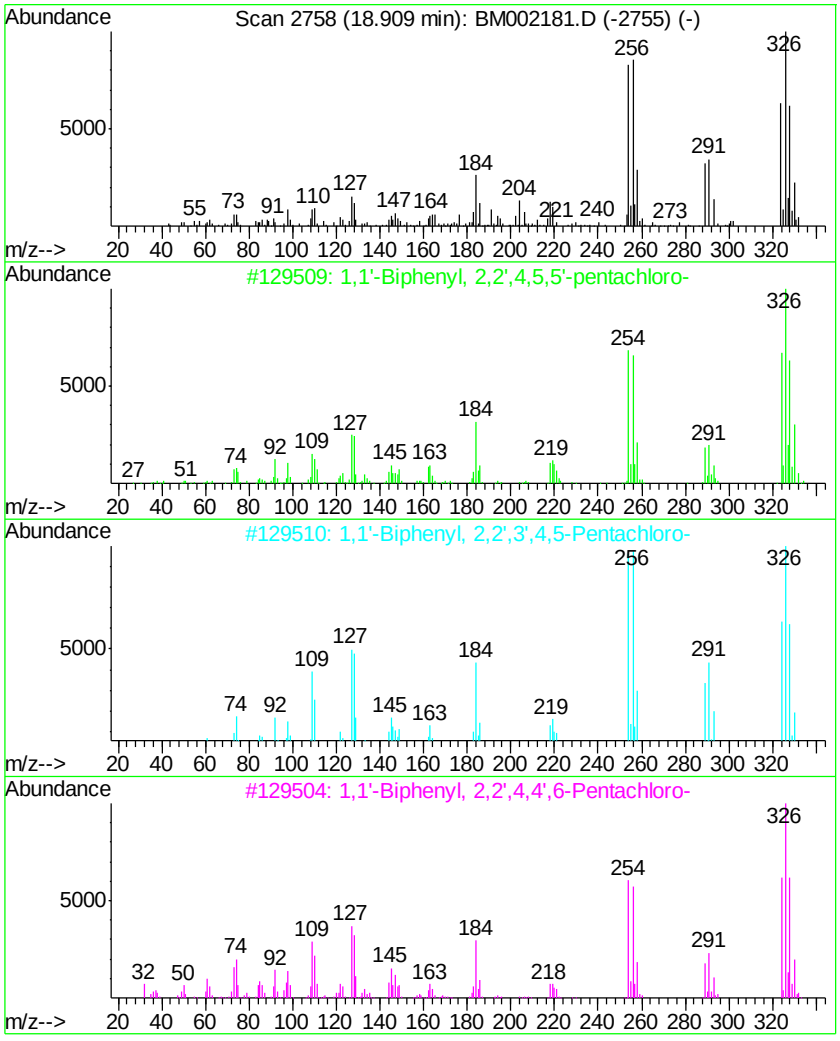
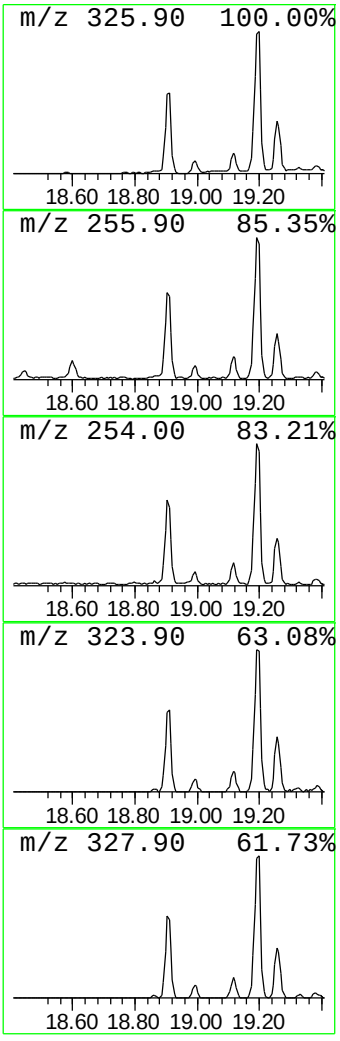
Peak Number 18 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	6.81 ng/ul	497585	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
2	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	98
3	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	98
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
5	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	98





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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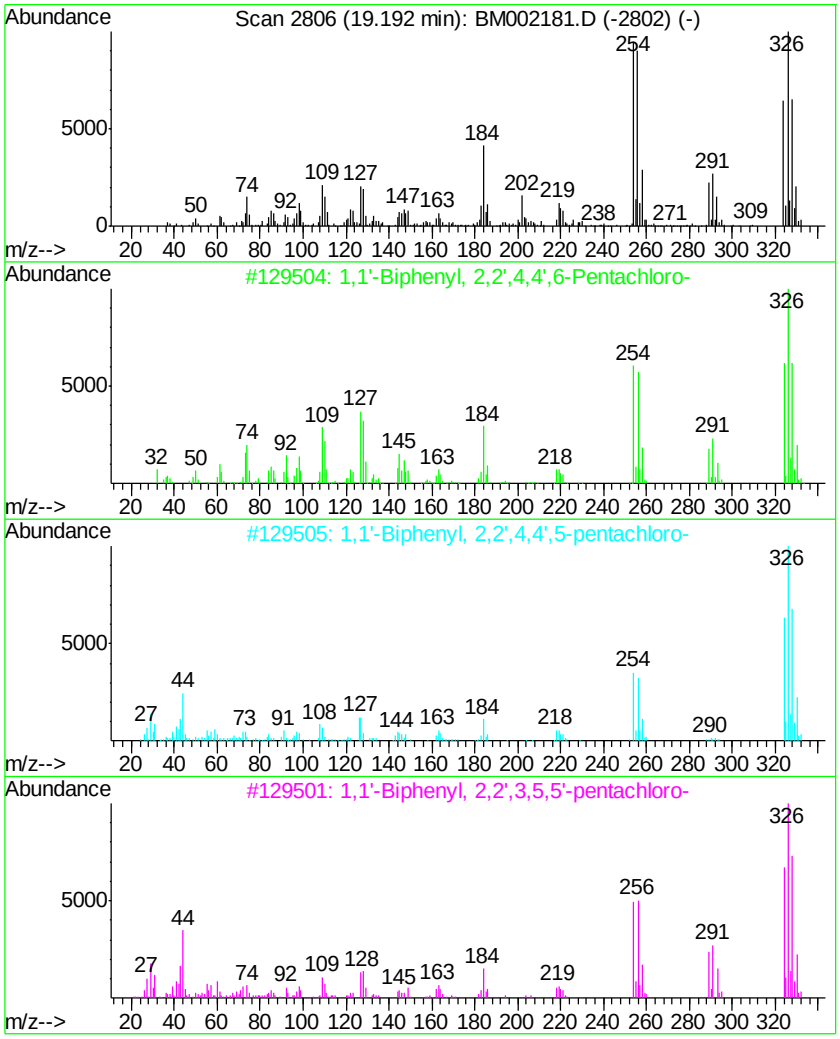
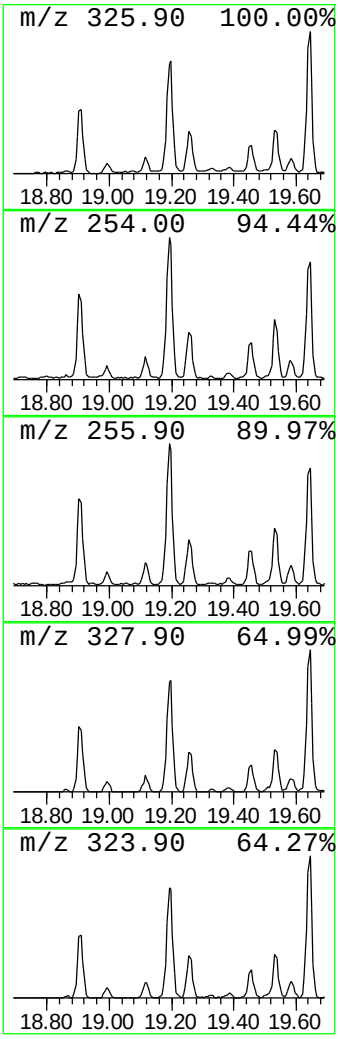
Peak Number 19 1,1'-Biphenyl, 2,2',4,4',6-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	2.36 ng/ul	632088	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
4	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	96
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96





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Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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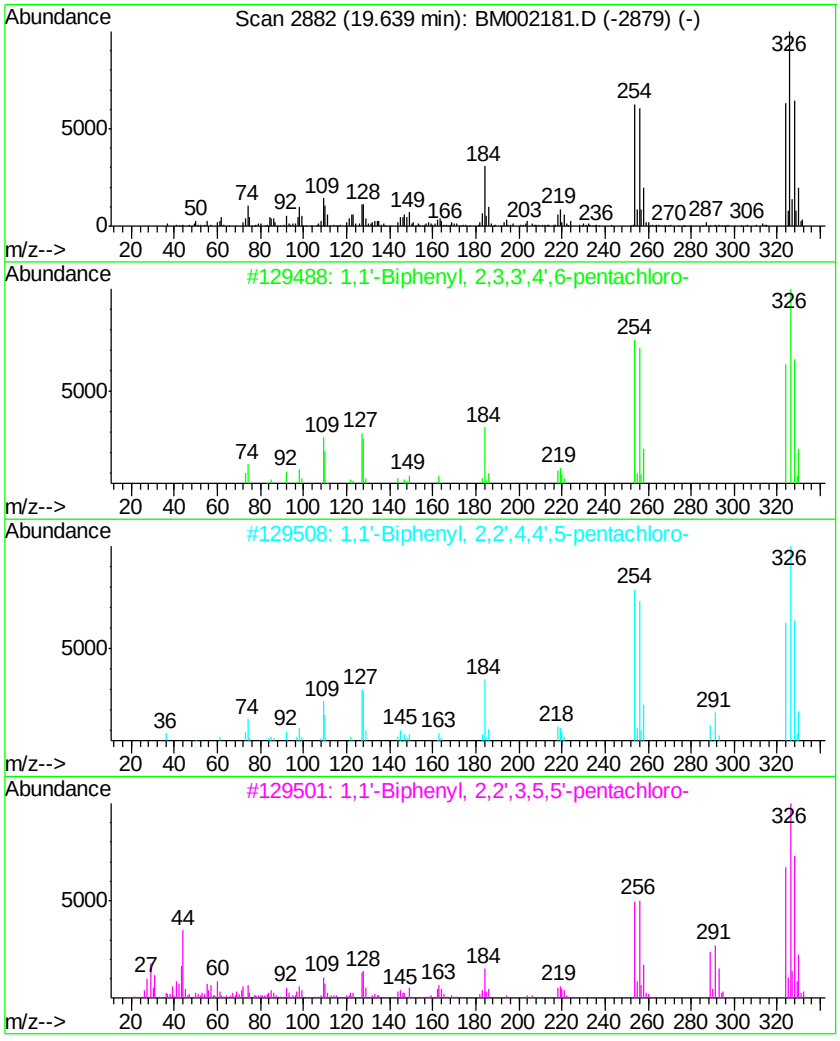
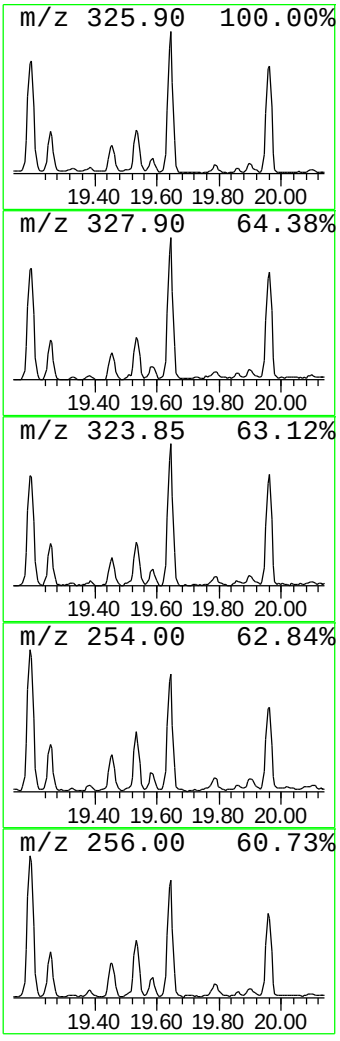
Peak Number 20 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	2.54 ng/ul	678568	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	98
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
5	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95





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Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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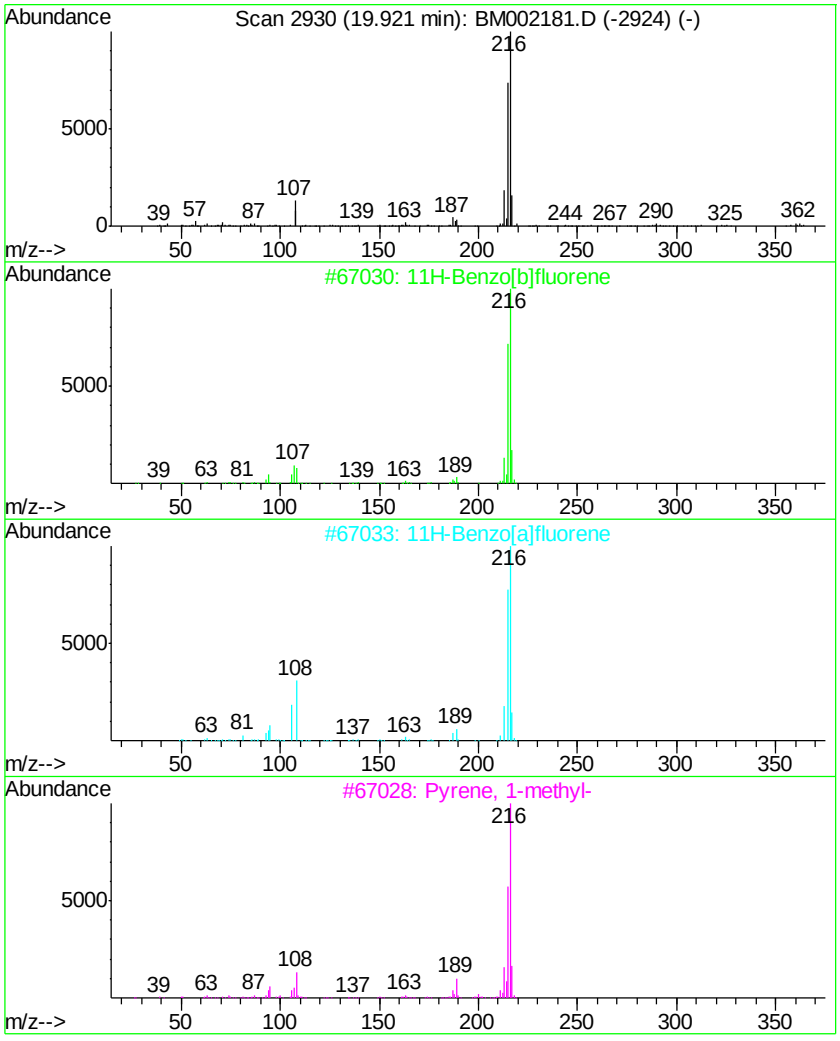
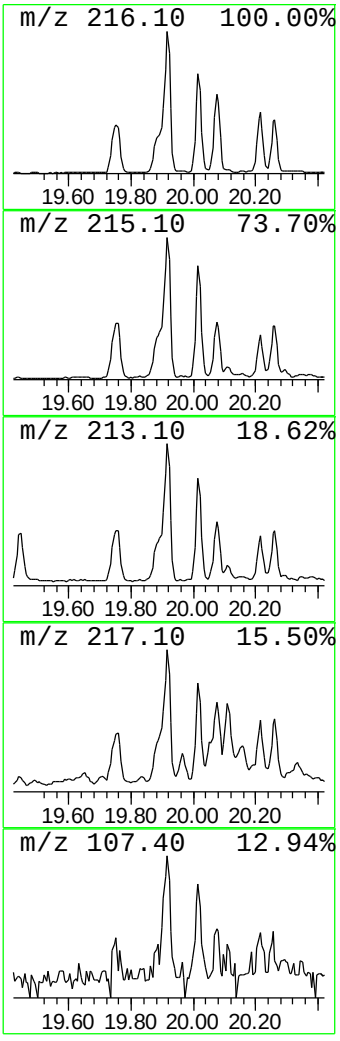
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	4.03 ng/ul	1077670	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





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Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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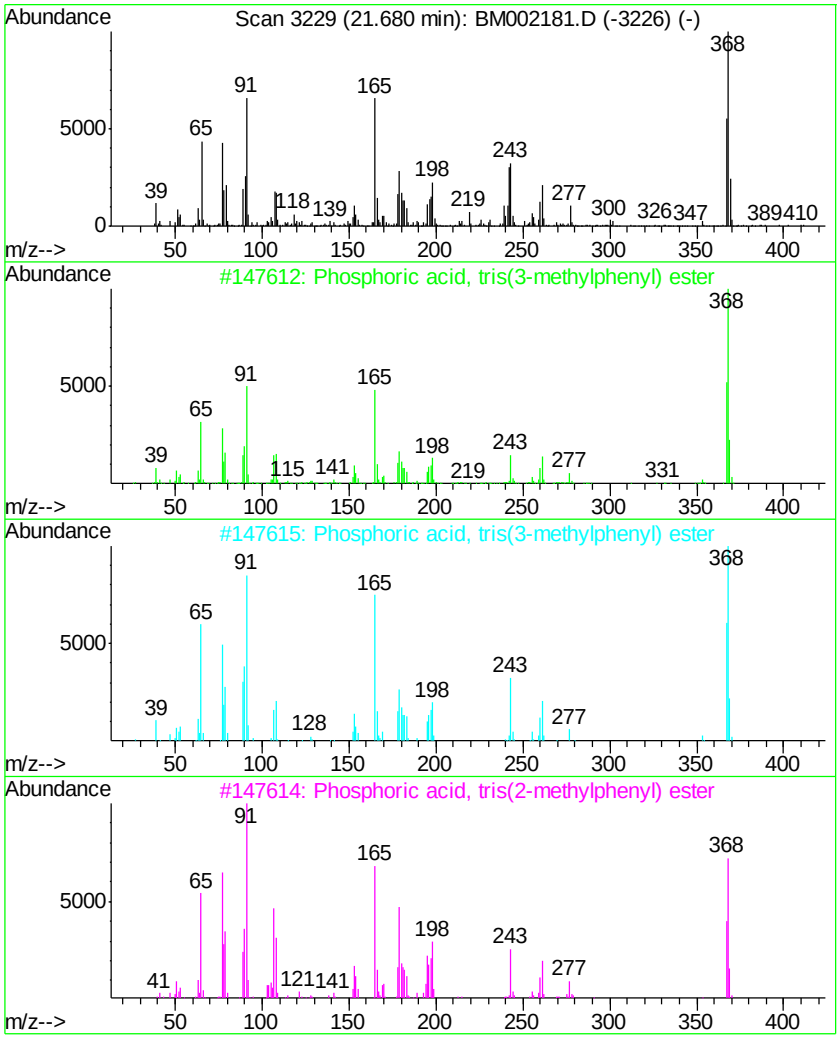
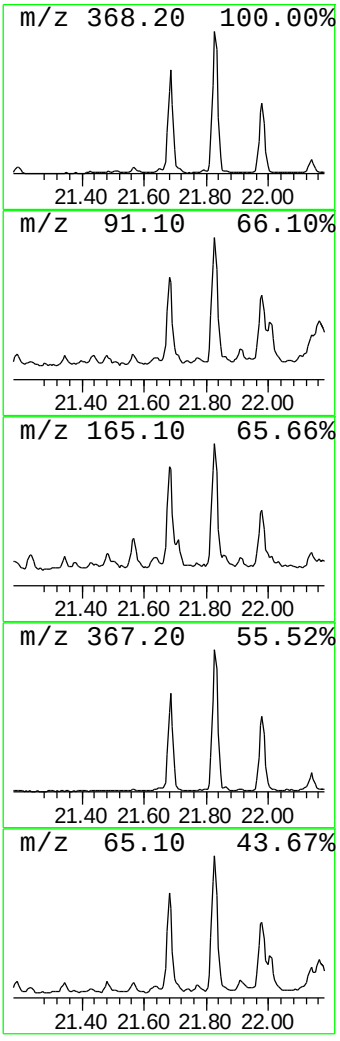
Peak Number 22 Phosphoric acid, tris(3-met... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.68	3.91 ng/ul	1044620	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
3	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	91
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	90
5	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	74





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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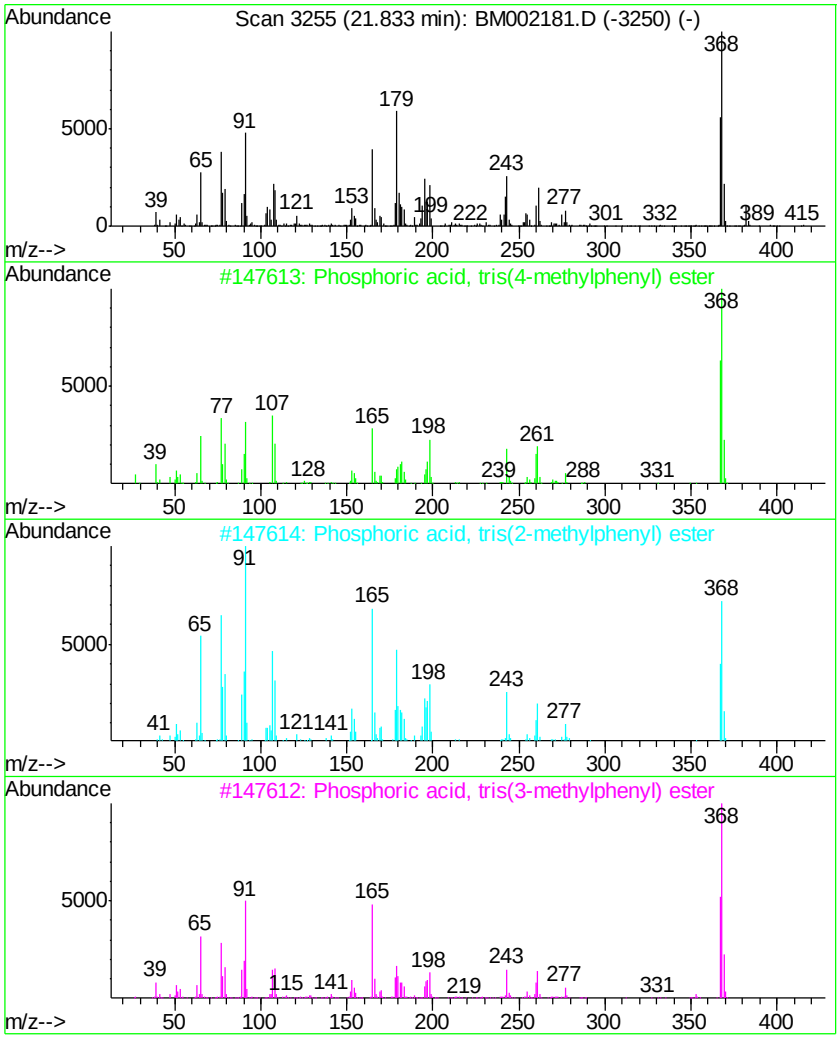
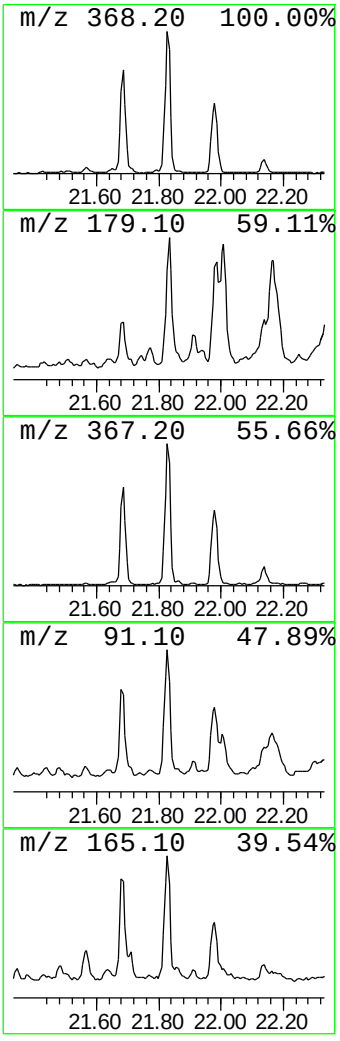
Peak Number 23 Phosphoric acid, tris(4-met... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	6.54 ng/ul	1749220	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	99
2	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	99
3	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
4	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
5	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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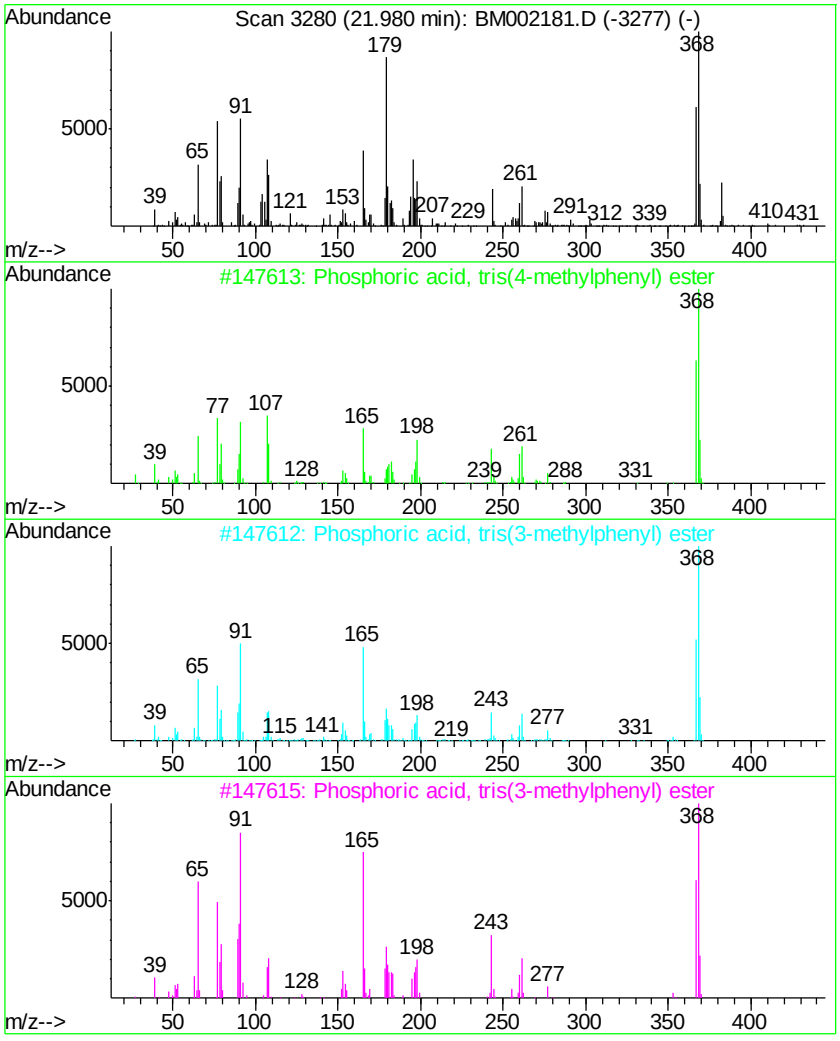
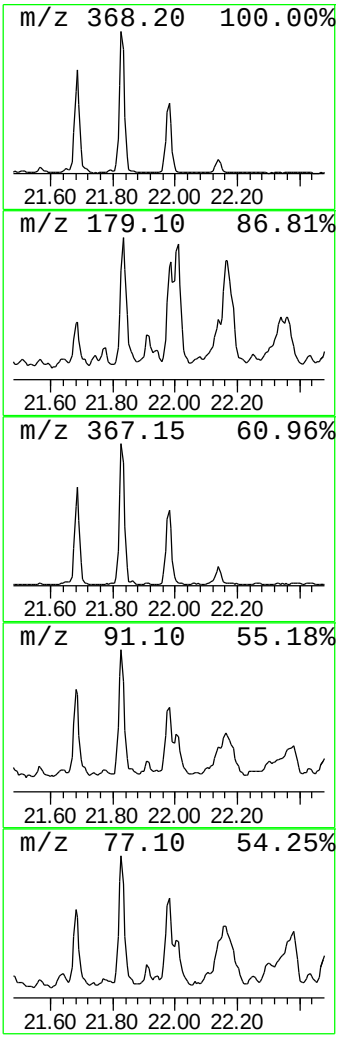
Peak Number 24 unknown-04 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.98	2.40 ng/ul	641390	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
3	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	91
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	78
5	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methyl Isobutyl K...	3.35	5.1	ng/ul	138601	1	7.56	547850	20.0
unknown-01	14.04	2.9	ng/ul	177252	3	14.23	1217050	20.0
(DEL) Alkane: Str...	15.96	5.4	ng/ul	397720	4	16.98	1461150	20.0
Dibenzothiophene	16.79	4.8	ng/ul	347073	4	16.98	1461150	20.0
Dibenzothiophene,...	17.56	3.2	ng/ul	235361	4	16.98	1461150	20.0
Phenanthrene, 1-m...	17.86	3.9	ng/ul	281764	4	16.98	1461150	20.0
1H-Cyclopropa[l]p...	17.90	6.7	ng/ul	492136	4	16.98	1461150	20.0
Anthracene, 9-met...	17.99	2.1	ng/ul	150909	4	16.98	1461150	20.0
unknown-02	18.05	13.6	ng/ul	990265	4	16.98	1461150	20.0
1H-Indene, 2-phenyl-	18.09	4.4	ng/ul	321884	4	16.98	1461150	20.0
unknown-03	18.26	3.8	ng/ul	276468	4	16.98	1461150	20.0
Naphthalene, 2-ph...	18.36	4.5	ng/ul	328208	4	16.98	1461150	20.0
9,10-Anthracenedione	18.41	2.7	ng/ul	196786	4	16.98	1461150	20.0
18-Norabietane	18.44	2.2	ng/ul	161933	4	16.98	1461150	20.0
Phenanthrene, 4,5...	18.60	3.1	ng/ul	223859	4	16.98	1461150	20.0
Phenanthrene, 2,5...	18.79	3.9	ng/ul	284081	4	16.98	1461150	20.0
1,1'-Biphenyl, 2,...	18.88	2.2	ng/ul	159791	4	16.98	1461150	20.0
1,1'-Biphenyl, 2,...	18.91	6.8	ng/ul	497585	4	16.98	1461150	20.0
1,1'-Biphenyl, 2,...	19.19	2.4	ng/ul	632088	5	21.19	5345570	20.0
1,1'-Biphenyl, 2,...	19.64	2.5	ng/ul	678568	5	21.19	5345570	20.0
11H-Benzo[b]fluorene	19.92	4.0	ng/ul	1077670	5	21.19	5345570	20.0
Phosphoric acid, ...	21.68	3.9	ng/ul	1044620	5	21.19	5345570	20.0
Phosphoric acid, ...	21.83	6.5	ng/ul	1749220	5	21.19	5345570	20.0
unknown-04	21.98	2.4	ng/ul	641390	5	21.19	5345570	20.0