LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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-BM071416.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	7.616	844	855	864	rBV	495980	828561	2.00%	0.381%
2	7.981	910	917	925	rBV	752180	1230608	2.98%	0.566%
3	10.404	1319	1329	1330	rBV	539136	955260	2.31%	0.439%
4	10.475	1330	1341	1349	rVV	17147537	41335278	100.00%	19.004%
5	10.569	1350	1357	1363	rVB	594237	1054400	2.55%	0.485%
6	12.063	1600	1611	1620	rBV	2374905	4144104	10.03%	1.905%
7	12.286	1638	1649	1661	rVB	1739411	2926705	7.08%	1.346%
8	13.092	1779	1786	1793	rBV	820294	1278053	3.09%	0.588%
9	13.286	1813	1819	1832	rVB	514596	998962	2.42%	0.459%
10	13.421	1833	1842	1843	rBV	509233	717728	1.74%	0.330%
11	13.580	1863	1869	1874	rBV	704868	1265151	3.06%	0.582%
12	13.633	1874	1878	1883	rVV	366388	543900	1.32%	0.250%
13	13.821	1902	1910	1914	rBV	294490	514557	1.24%	0.237%
14	13.986	1934	1938	1948	rVB	413564	678848	1.64%	0.312%
15	14.268	1975	1986	1991	rBV3	973201	2141601	5.18%	0.985%
16	14.333	1991	1997	2005	rVB	4497997	7888430	19.08%	3.627%
17	14.668	2047	2054	2061	rVB	2766260	4281497	10.36%	1.968%
18	15.321	2159	2165	2176	rVB	3470537	5513626	13.34%	2.535%
19	15.445	2182	2186	2189	rVV	320230	527186	1.28%	0.242%
20	15.480	2189	2192	2197	rVV	461095	685771	1.66%	0.315%
21	15.615	2210	2215	2225	rVB	558364	895048	2.17%	0.412%
22	15.762	2235	2240	2248	rVB	536275	1142684	2.76%	0.525%
23	16.015	2270	2283	2293	rVB2	263055	546361	1.32%	0.251%
24	16.115	2293	2300	2306	rBV	281797	482796	1.17%	0.222%
25	16.321	2324	2335	2340	rBV2	431868	960808	2.32%	0.442%
26	16.751	2403	2408	2416	rBV4	178607	446760	1.08%	0.205%
27	16.833	2416	2422	2435	rVB	1091686	1752704	4.24%	0.806%
28	17.015	2448	2453	2456	rBV	1117189	1827290	4.42%	0.840%
29	17.068	2456	2462	2467	rVV	8833879	14954816	36.18%	6.876%
30	17.151	2471	2476	2482	rVV	4050593	6161023	14.90%	2.833%
31	17.421	2517	2522	2532	rBV	845857	1401134	3.39%	0.644%
32	17.892	2596	2602	2606	rBV	969406	1441572	3.49%	0.663%
33	17.939	2606	2610	2616	rVB	1232457	1831963	4.43%	0.842%
34	18.021	2618	2624	2629	rBV	587567	919381	2.22%	0.423%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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-BM071416.M
Title : SVOA CALIBRATION

35	18.086	2629	2635	2639	rVV2	2074201	3618280	8.75%	1.664%
36	18.121	2639	2641	2648	rVB	627987	747530	1.81%	0.344%
37	18.398	2683	2688	2693	rVB	780865	1085447	2.63%	0.499%
38	18.815	2754	2759	2764	rBV2	360934	656166	1.59%	0.302%
39	19.086	2798	2805	2811	rBV	7719915	12588858	30.46%	5.788%
40	19.233	2825	2830	2834	rBV	571546	795354	1.92%	0.366%
41	19.327	2841	2846	2856	rVB2	380649	721471	1.75%	0.332%
42	19.450	2856	2867	2875	rVV3	6263260	13673875	33.08%	6.287%
43	19.521	2875	2879	2885	rVB3	421439	701551	1.70%	0.323%
44	19.627	2891	2897	2904	rBV	593313	868864	2.10%	0.399%
45	19.768	2915	2921	2928	rBV2	494150	1261095	3.05%	0.580%
46	19.909	2939	2945	2946	rVV3	396185	560675	1.36%	0.258%
47	19.945	2947	2951	2956	rVB	2048508	2841130	6.87%	1.306%
48	20.045	2963	2968	2973	rBV	2149558	2980446	7.21%	1.370%
49	20.103	2973	2978	2982	rVV2	714368	1241829	3.00%	0.571%
50	20.139	2982	2984	2989	rVV	320738	453017	1.10%	0.208%
51	20.197	2989	2994	2998	rVV3	233334	472440	1.14%	0.217%
52	20.245	2998	3002	3005	rVV	373126	518586	1.25%	0.238%
53	20.292	3005	3010	3019	rVB2	452561	845499	2.05%	0.389%
54	20.539	3048	3052	3055	rVV	309348	439795	1.06%	0.202%
55	20.656	3067	3072	3077	rBV	295860	562513	1.36%	0.259%
56	20.862	3102	3107	3110	rBV	711422	929154	2.25%	0.427%
57	20.897	3110	3113	3116	rVV	691670	786483	1.90%	0.362%
58	20.939	3116	3120	3125	rVV2	493158	769220	1.86%	0.354%
59	21.097	3140	3147	3156	rBV	283027	626781	1.52%	0.288%
60	21.203	3156	3165	3170	rVV3	4615003	9462767	22.89%	4.351%
61	21.256	3170	3174	3183	rVB	3694949	5341633	12.92%	2.456%
62	21.368	3189	3193	3198	rBV	1083752	1382704	3.35%	0.636%
63	21.480	3208	3212	3215	rVB	378654	459818	1.11%	0.211%
64	21.527	3215	3220	3225	rBV2	581689	1050429	2.54%	0.483%
65	21.756	3254	3259	3263	rVB	575202	957095	2.32%	0.440%
66	21.809	3265	3268	3272	rVB	344844	461310	1.12%	0.212%
67	21.909	3281	3285	3289	rVV2	454533	635532	1.54%	0.292%
68	21.950	3289	3292	3295	rVV	498190	774102	1.87%	0.356%
69	21.986	3295	3298	3304	rVV2	763747	1136260	2.75%	0.522%
70	22.044	3304	3308	3314	rVB4	298160	501051	1.21%	0.230%
71	22.762	3423	3430	3435	rBV	2784097	7029358	17.01%	3.232%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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-BM071416.M
Title : SVOA CALIBRATION

72	22.927	3452	3458	3463	rVB	764637	1280282	3.10%	0.589%
73	23.050	3475	3479	3488	rBV2	193704	551478	1.33%	0.254%
74	23.227	3502	3509	3515	rBV	1746199	3194306	7.73%	1.469%
75	23.321	3518	3525	3532	rVB	2648820	5073099	12.27%	2.332%
76	23.415	3534	3541	3545	rVV	1116599	2230966	5.40%	1.026%
77	23.462	3545	3549	3556	rVB	842455	1631891	3.95%	0.750%
78	24.256	3679	3684	3691	rVB	248745	500614	1.21%	0.230%
79	25.609	3904	3914	3924	rVB	1374667	3985952	9.64%	1.833%
80	25.862	3951	3957	3964	rVB	225152	516421	1.25%	0.237%
81	26.285	4019	4029	4046	rVB	900250	2976957	7.20%	1.369%
82	26.638	4081	4089	4104	rVB2	379278	1350933	3.27%	0.621%

Sum of corrected areas: 217505583

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
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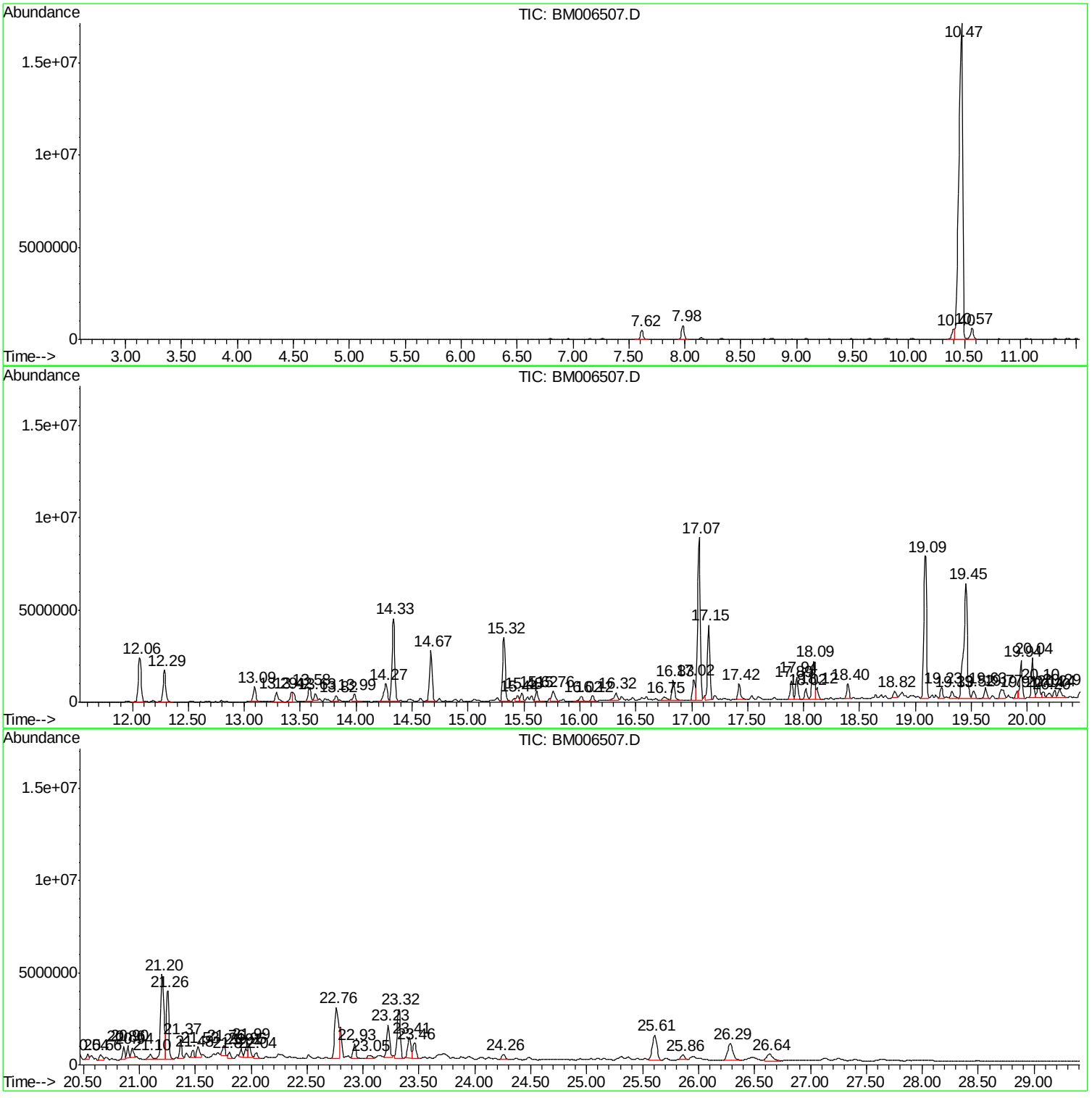
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

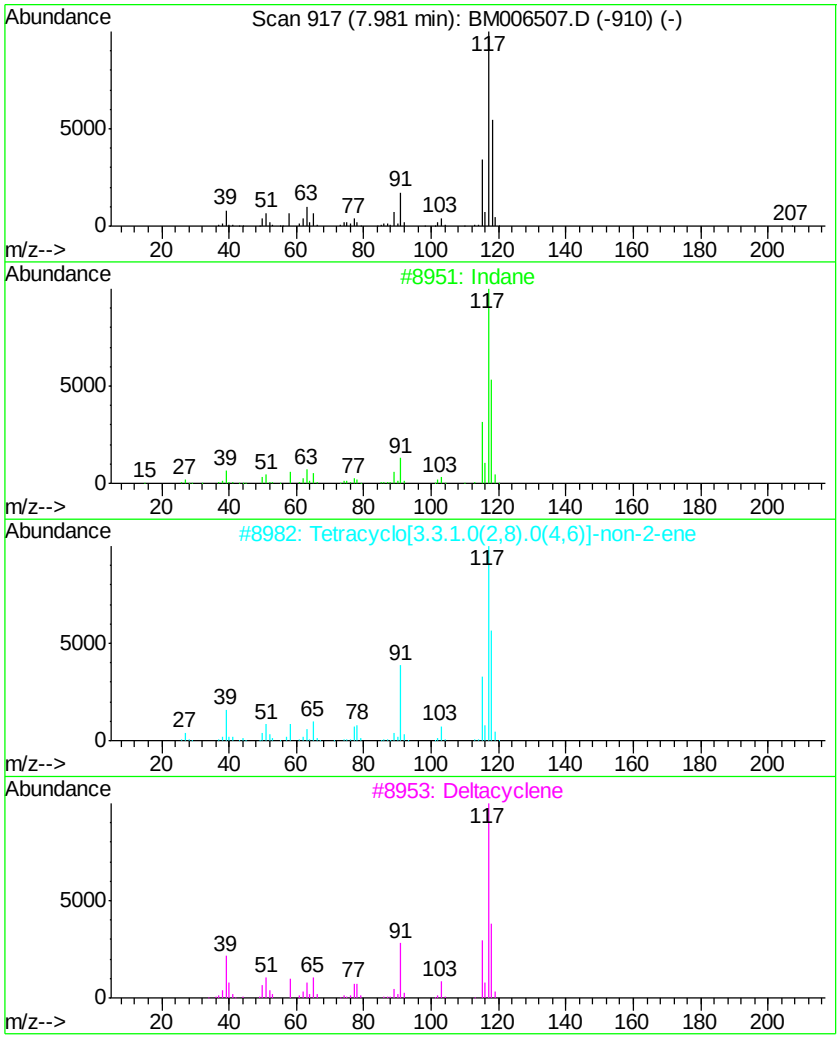
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

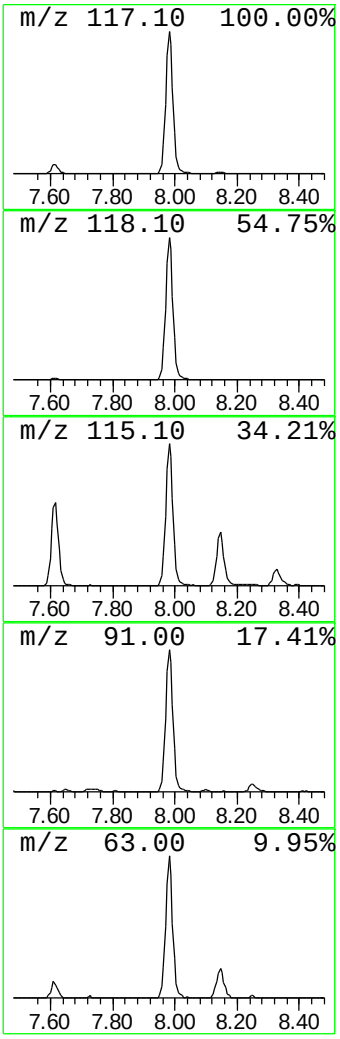
****

Peak Number 1 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	29.70 ng/ul	1230610	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
3	Deltacyclene	118	C9H10	007785-10-6	68
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
5	Indane	118	C9H10	000496-11-7	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

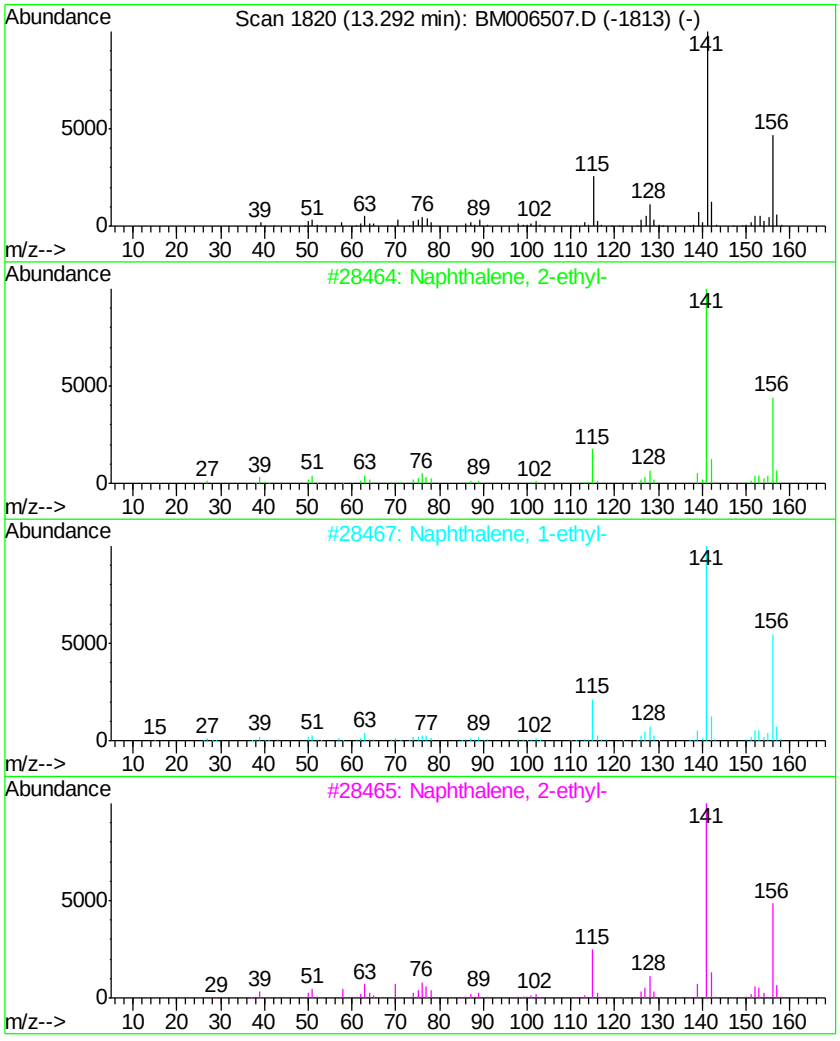
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

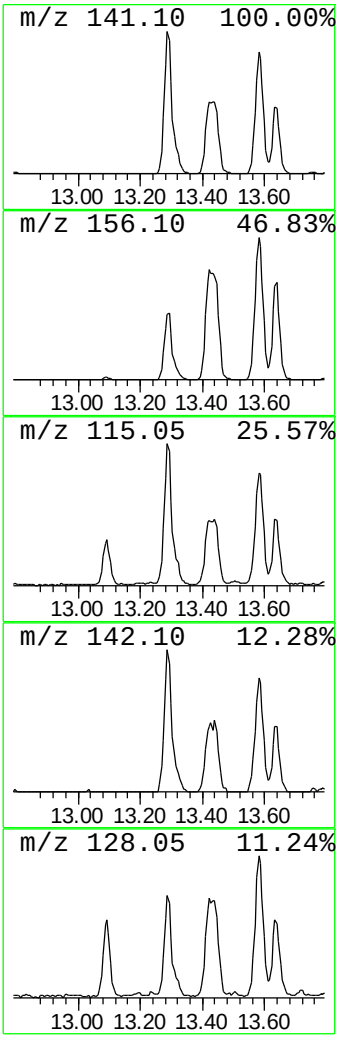
****

Peak Number 3 Naphthalene, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	9.33 ng/ul	998962	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

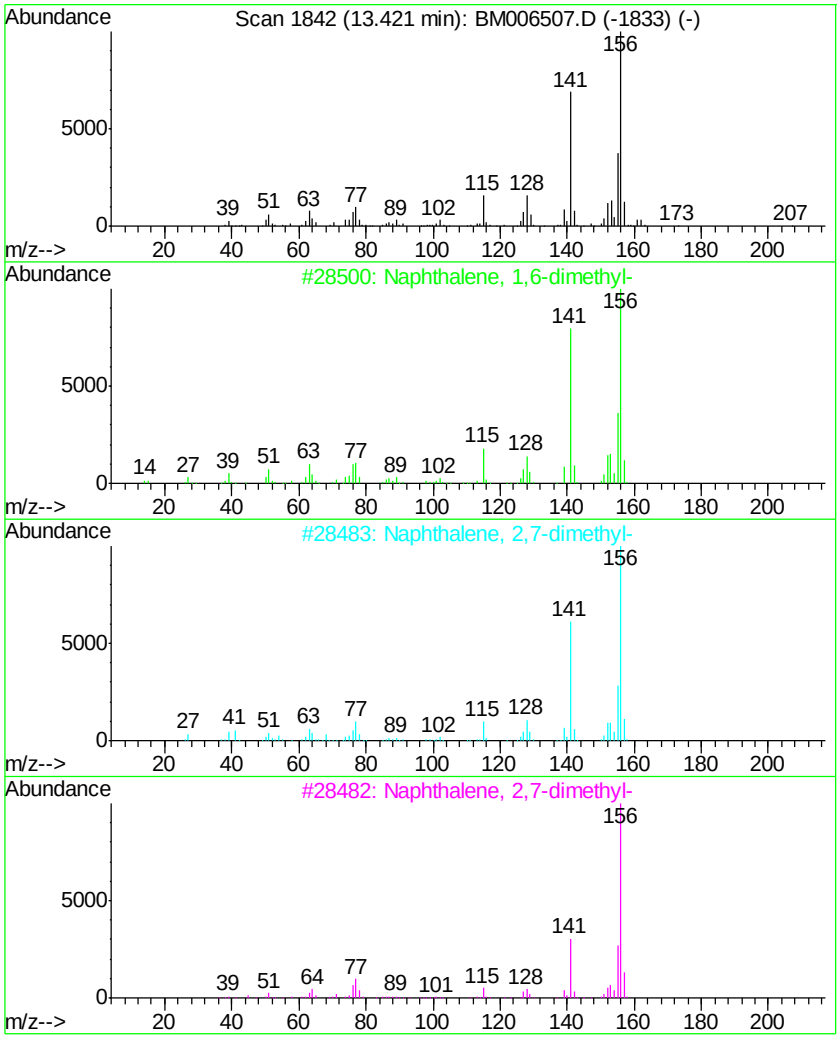
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

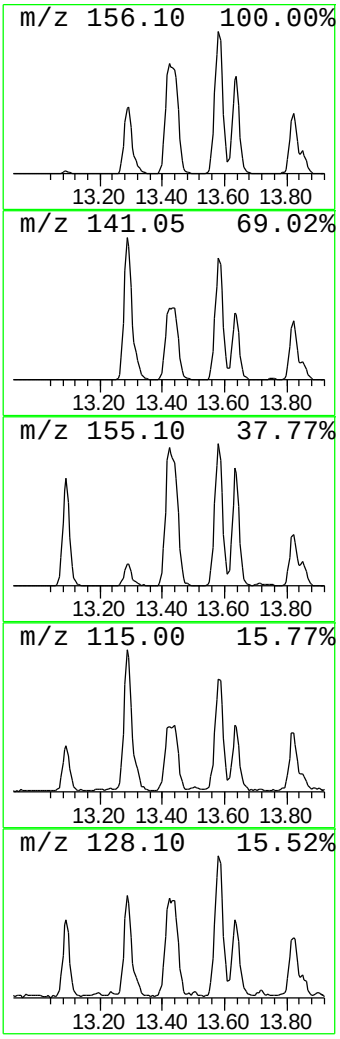
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	6.70 ng/ul	717728	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
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Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

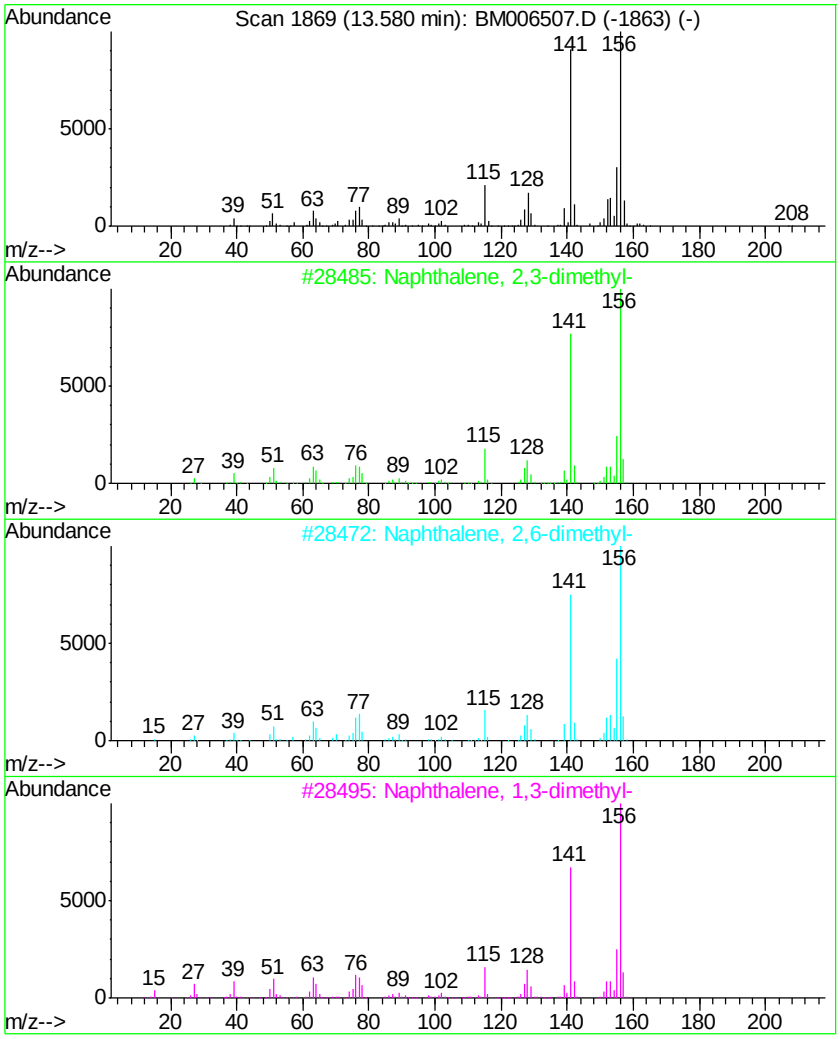
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

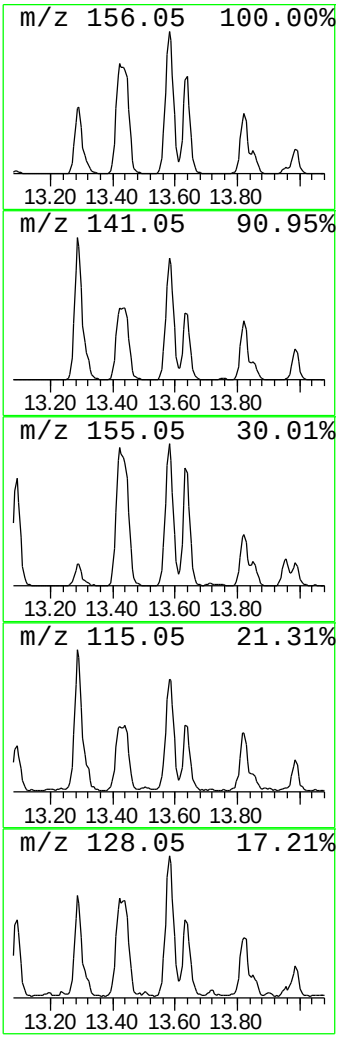
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	11.82 ng/ul	1265150	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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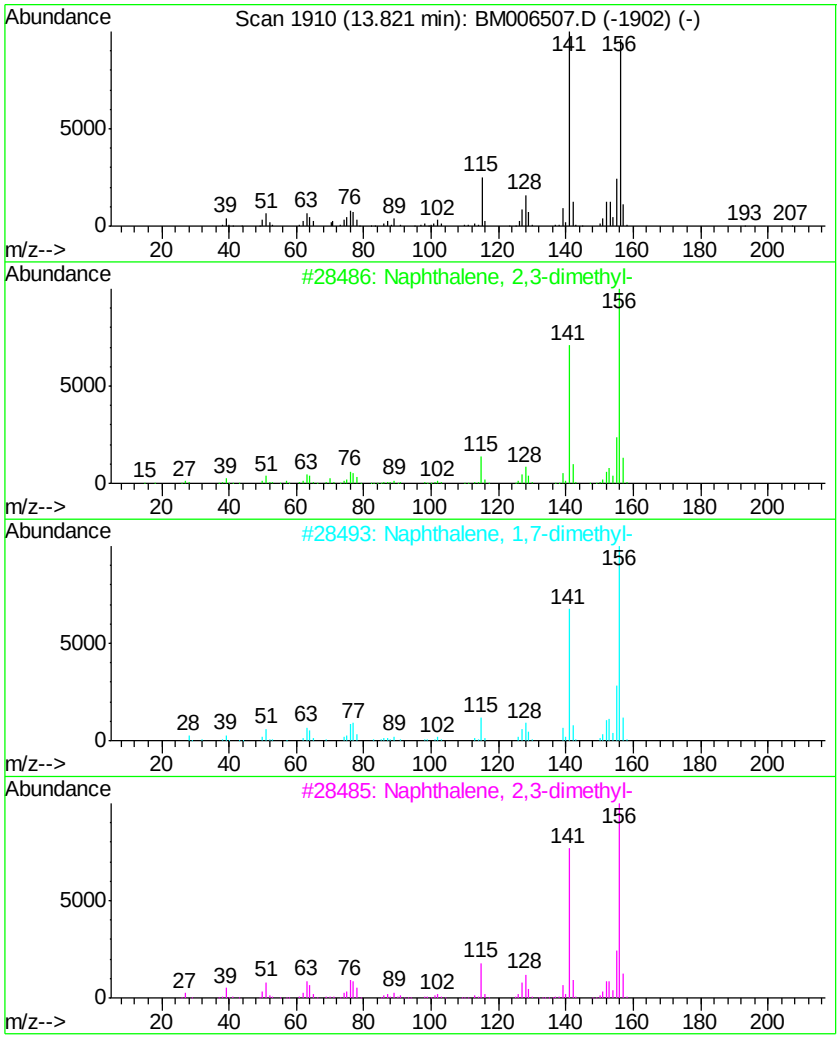
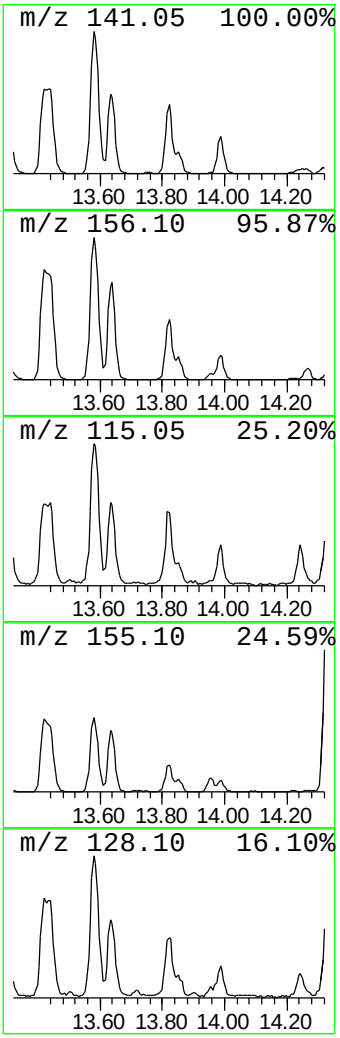
Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.81 ng/ul	514557	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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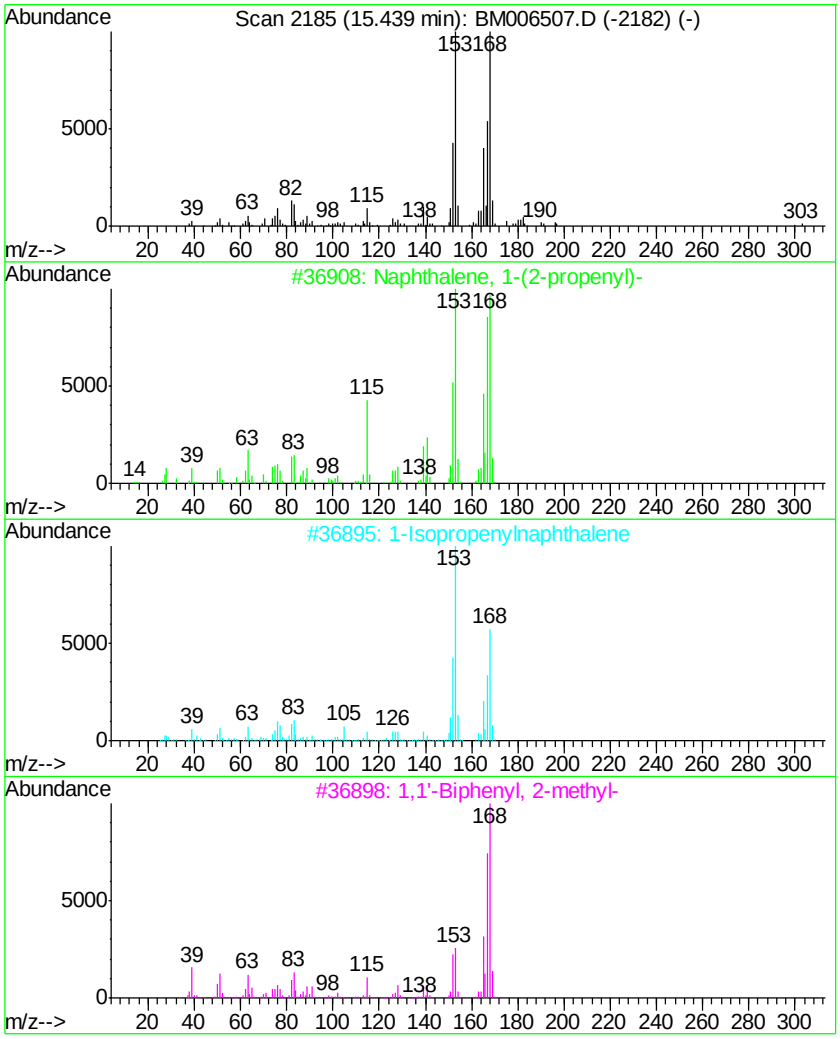
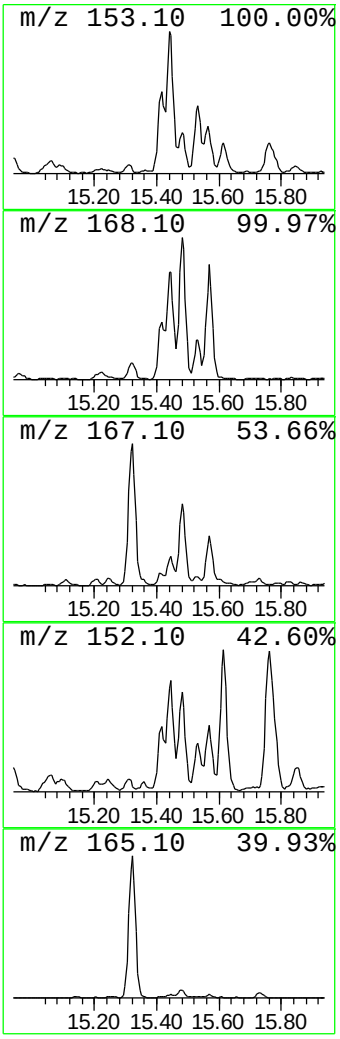
Peak Number 7 Naphthalene, 1-(2-propenyl)- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	4.92 ng/ul	527186	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	81
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	81
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	50
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50





Library Search Compound Report

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Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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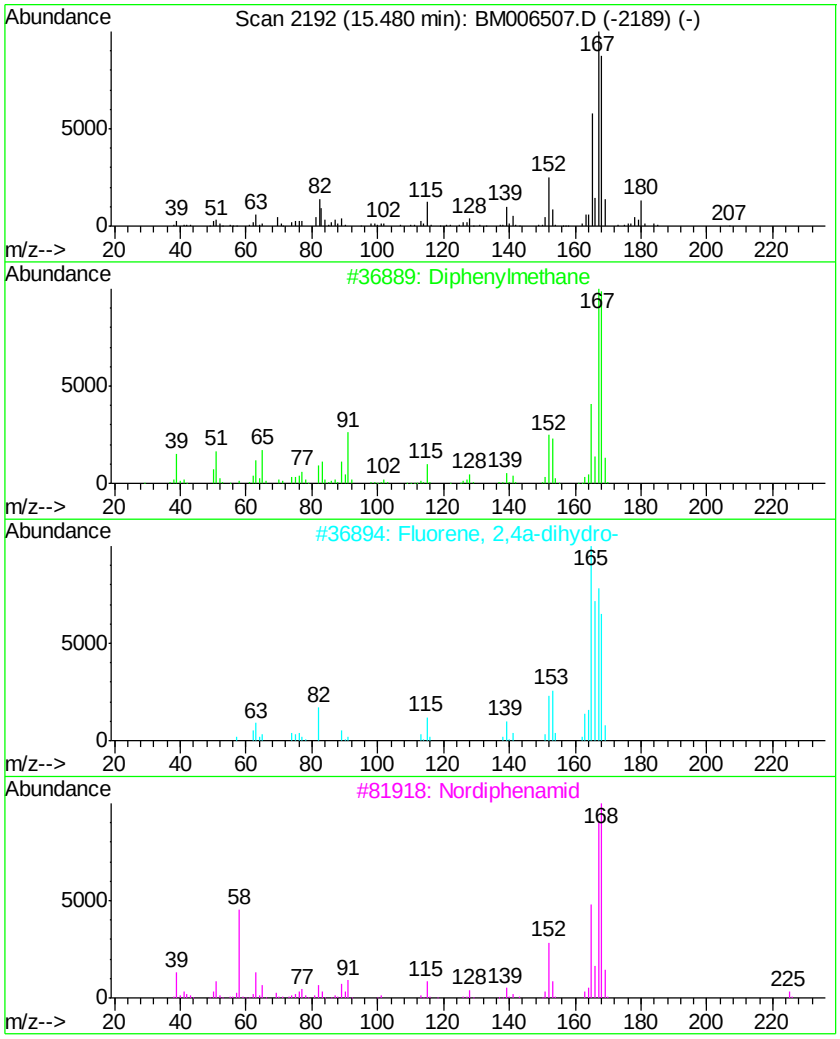
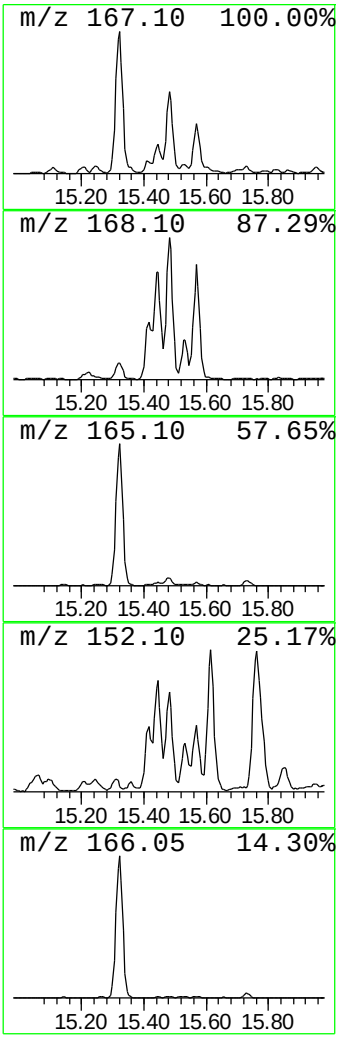
Peak Number 8 Diphenylmethane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	6.40 ng/ul	685771	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	89
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	89
3	Nordiphenamid	225	C15H15NO	000954-21-2	86
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	78
5	Diphenylmethane	168	C13H12	000101-81-5	76





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Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

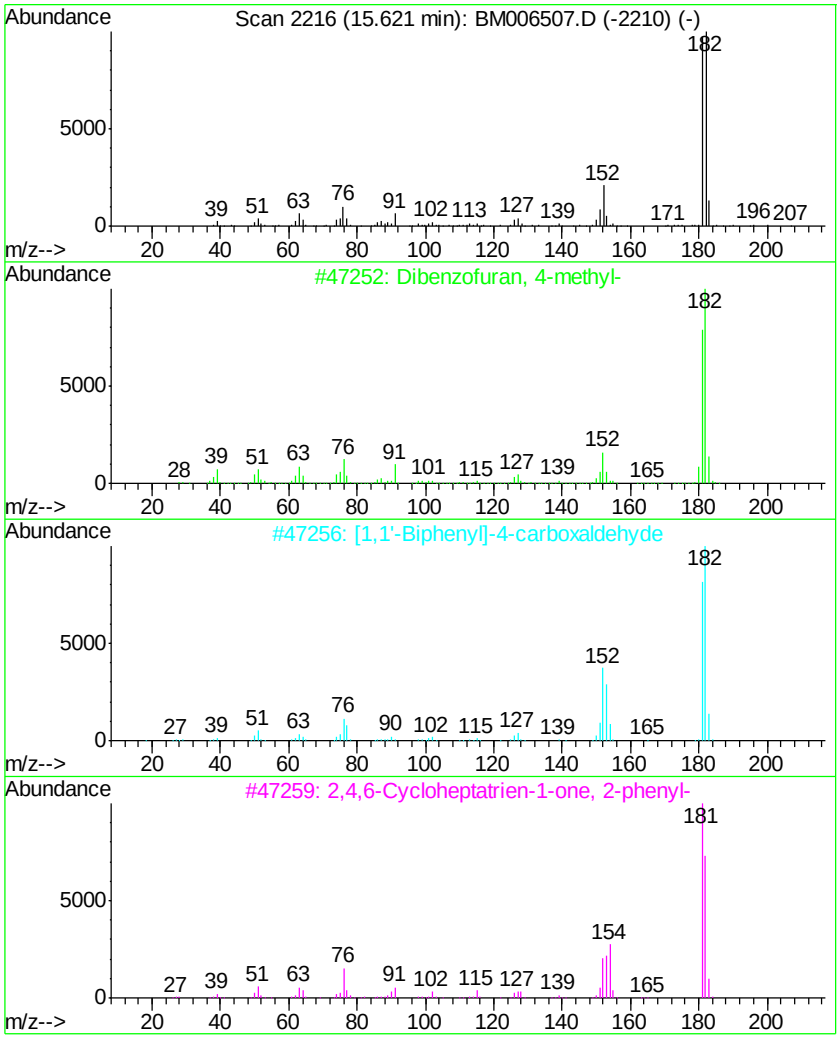
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

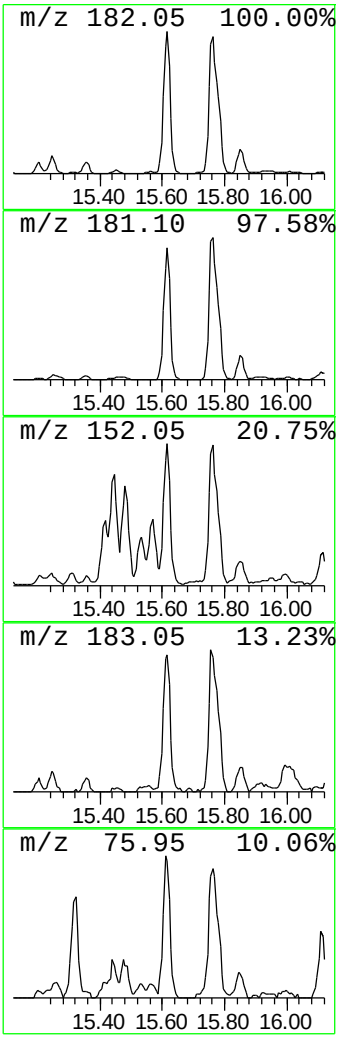
****

Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	8.36 ng/ul	895048	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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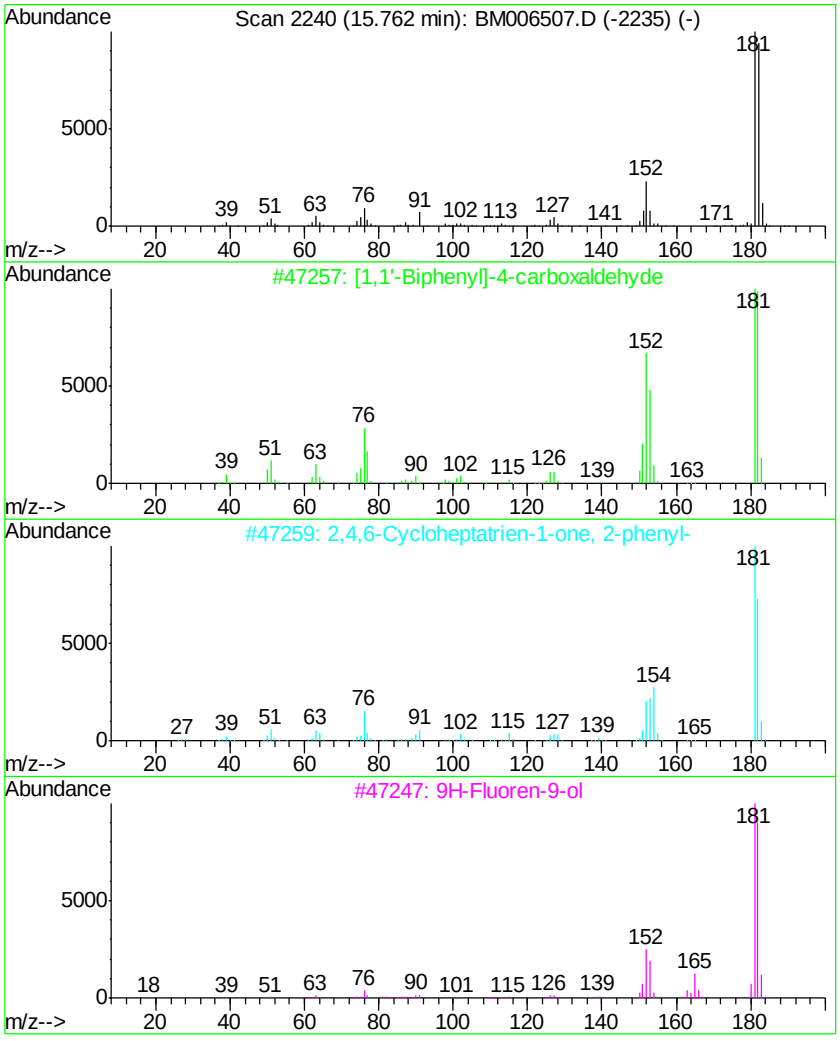
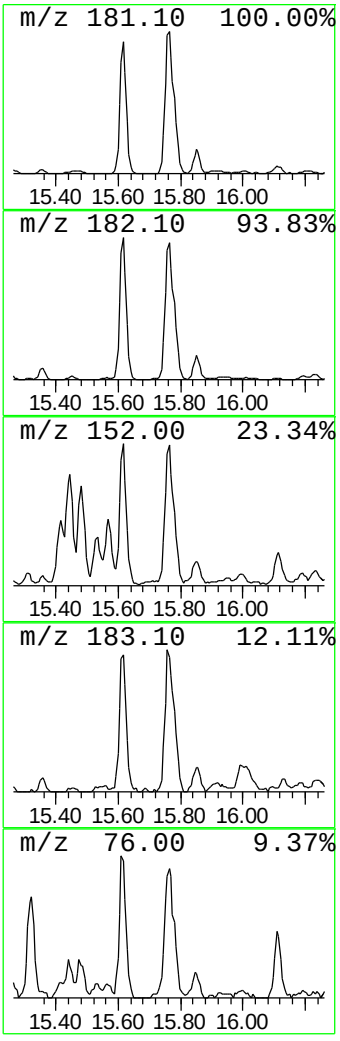
Peak Number 10 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	12.51 ng/ul	1142680	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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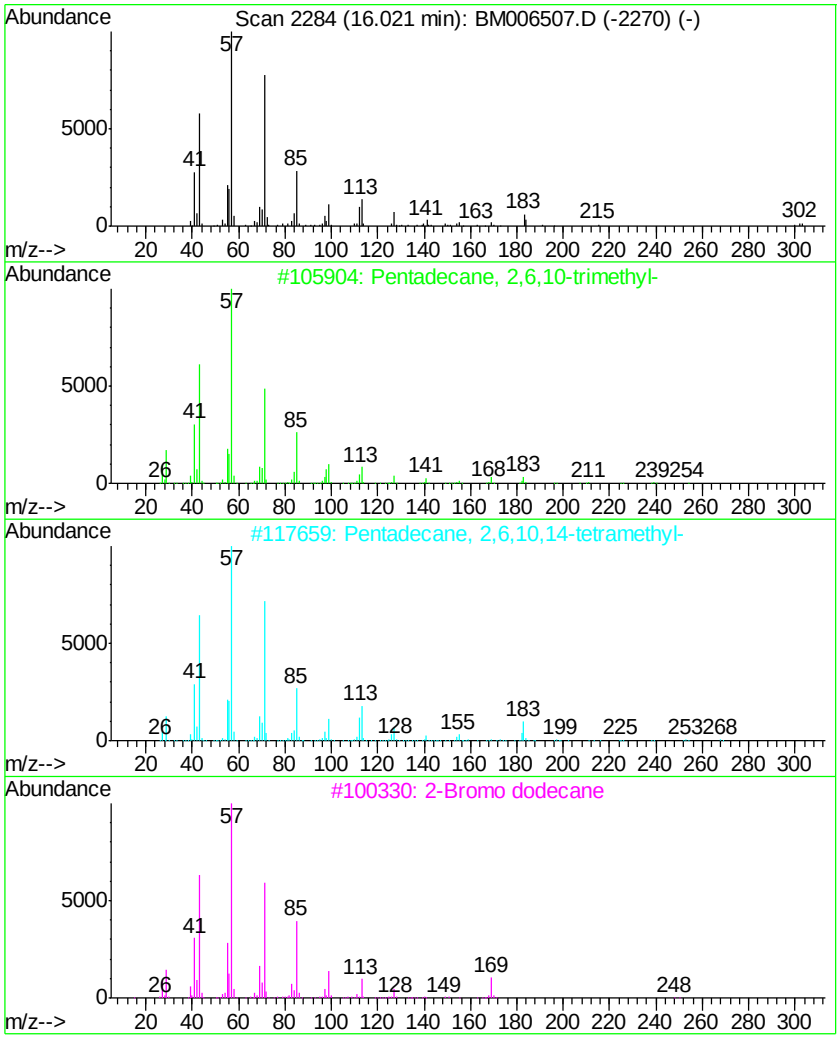
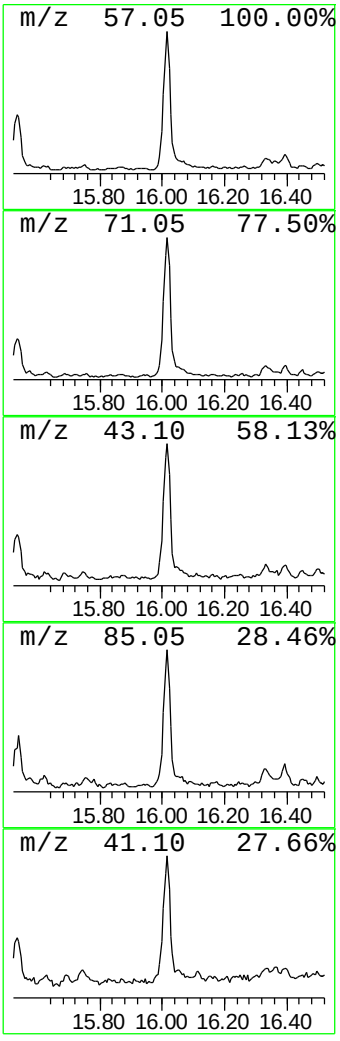
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	5.98 ng/ul	546361	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	83
4	Tridecane, 4-methyl-	198	C14H30	026730-12-1	81
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80





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Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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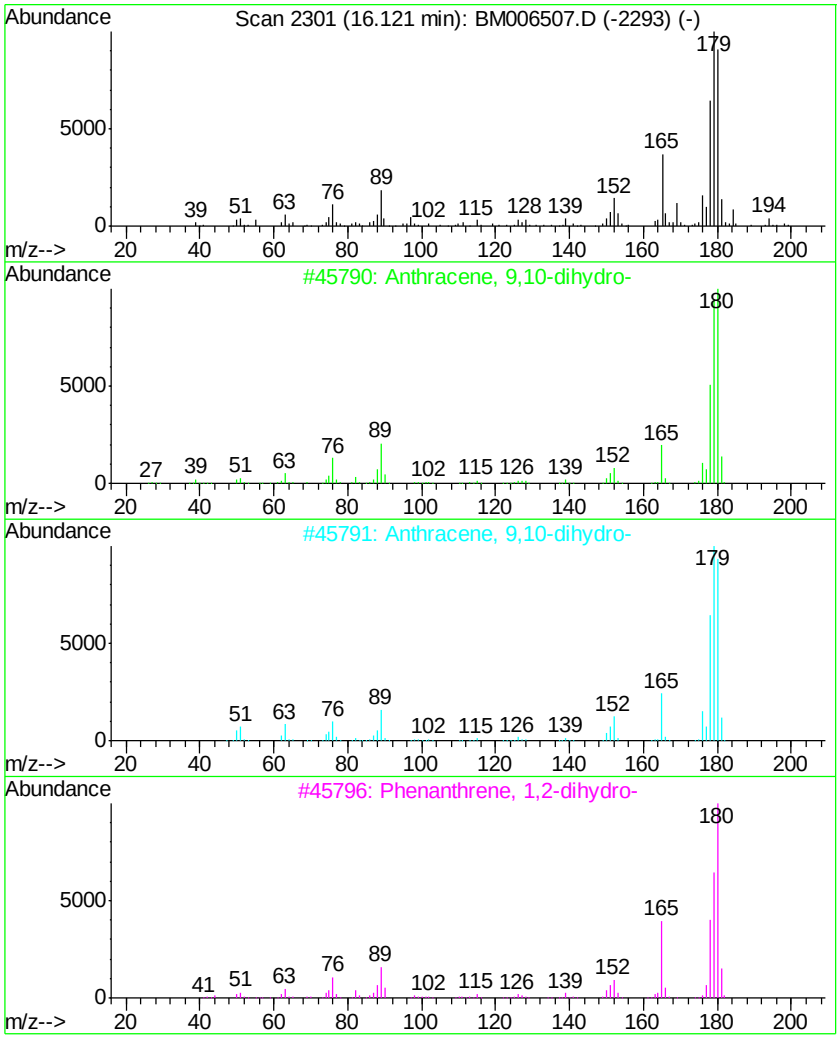
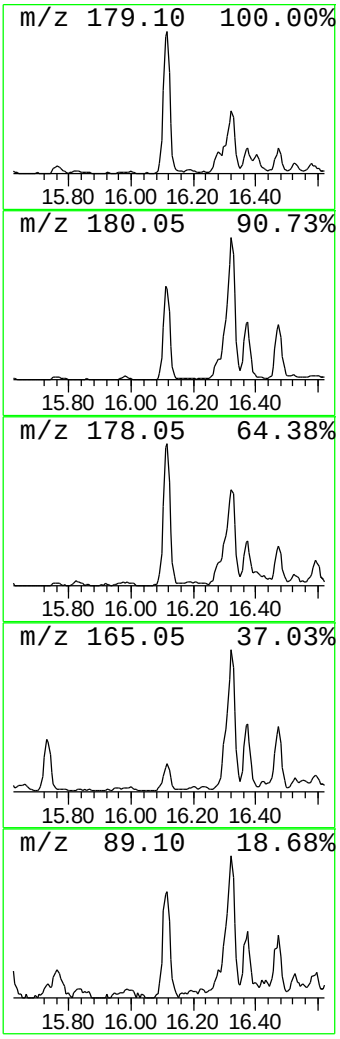
Peak Number 12 Anthracene, 9,10-dihydro- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	5.28 ng/ul	482796	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
3	Phenanthrene, 1,2-dihydro-	180	C14H12	056179-83-0	93
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	93
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	93





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Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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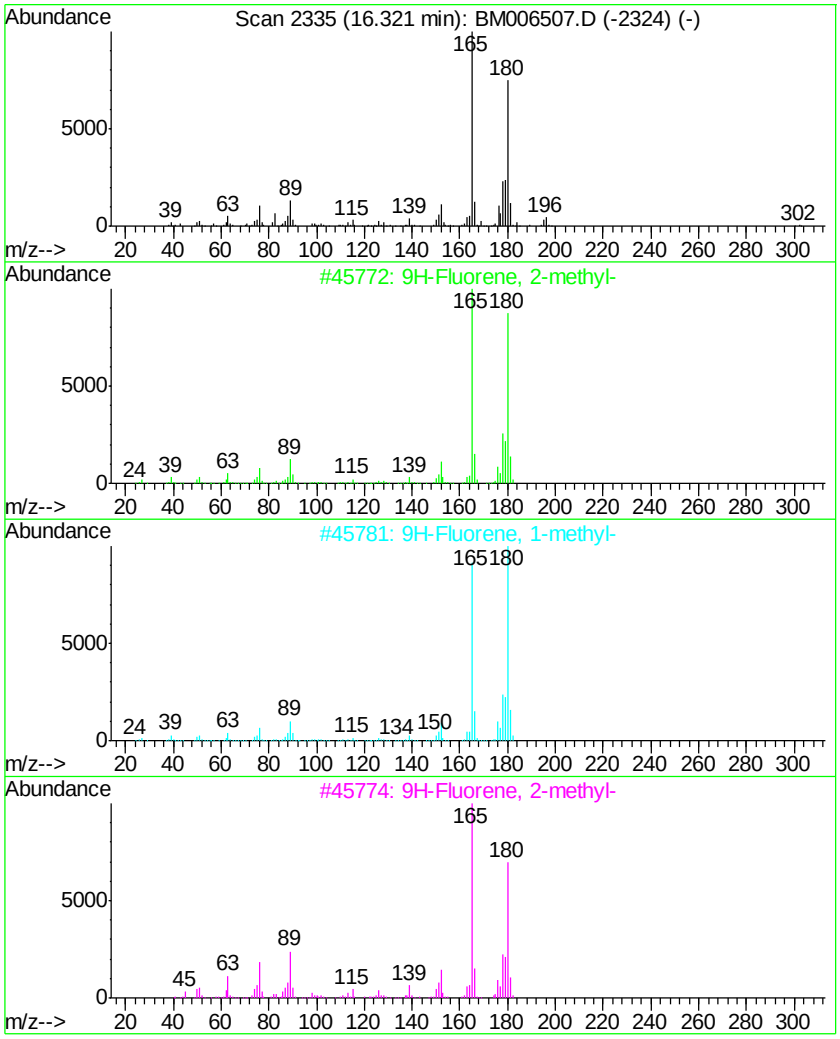
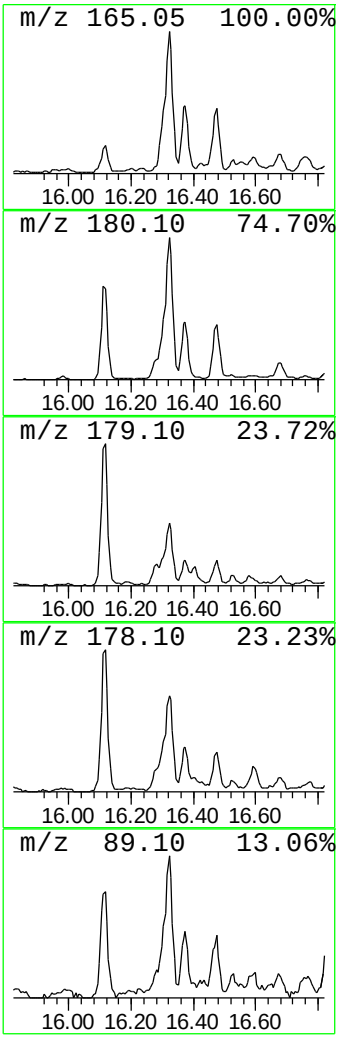
Peak Number 13 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	10.52 ng/ul	960808	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95





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Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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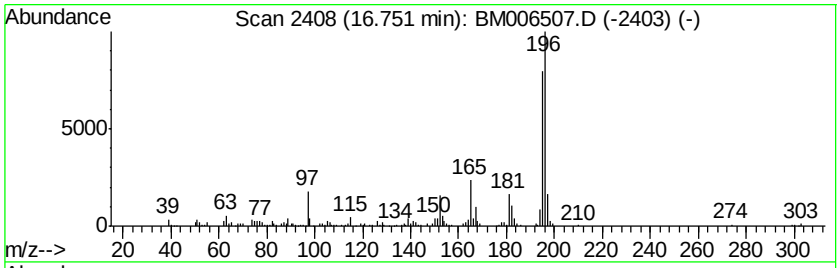
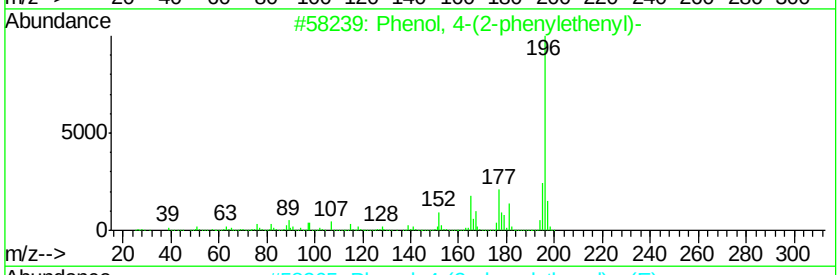
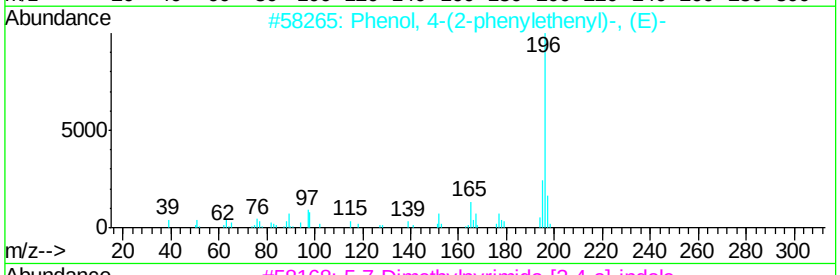
Peak Number 14 Phenol, 4-(2-phenylethenyl)- Concentration Rank 26

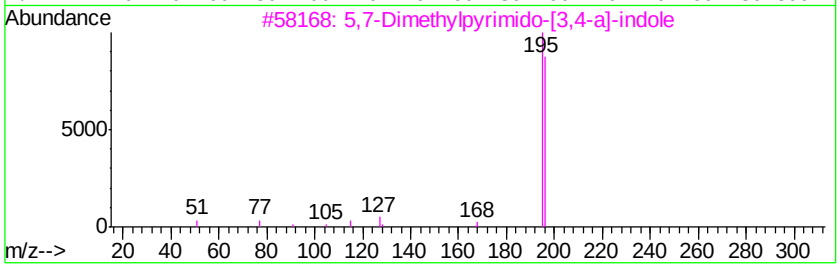
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	4.89 ng/ul	446760	Phenanthrene-d10	17.02

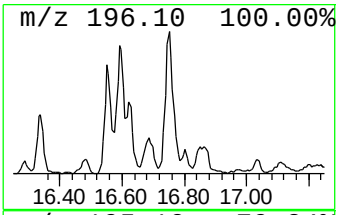
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
3	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	52
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49

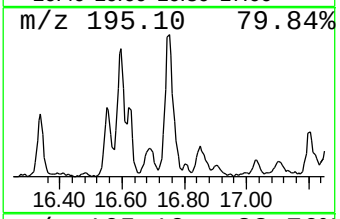


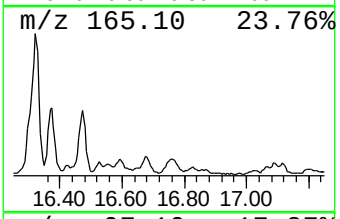


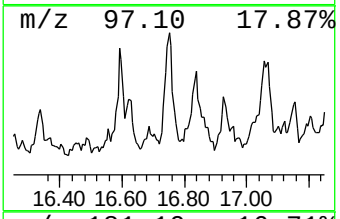


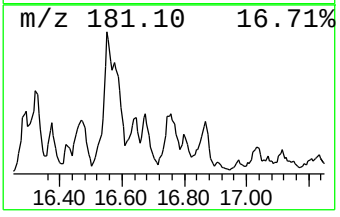












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Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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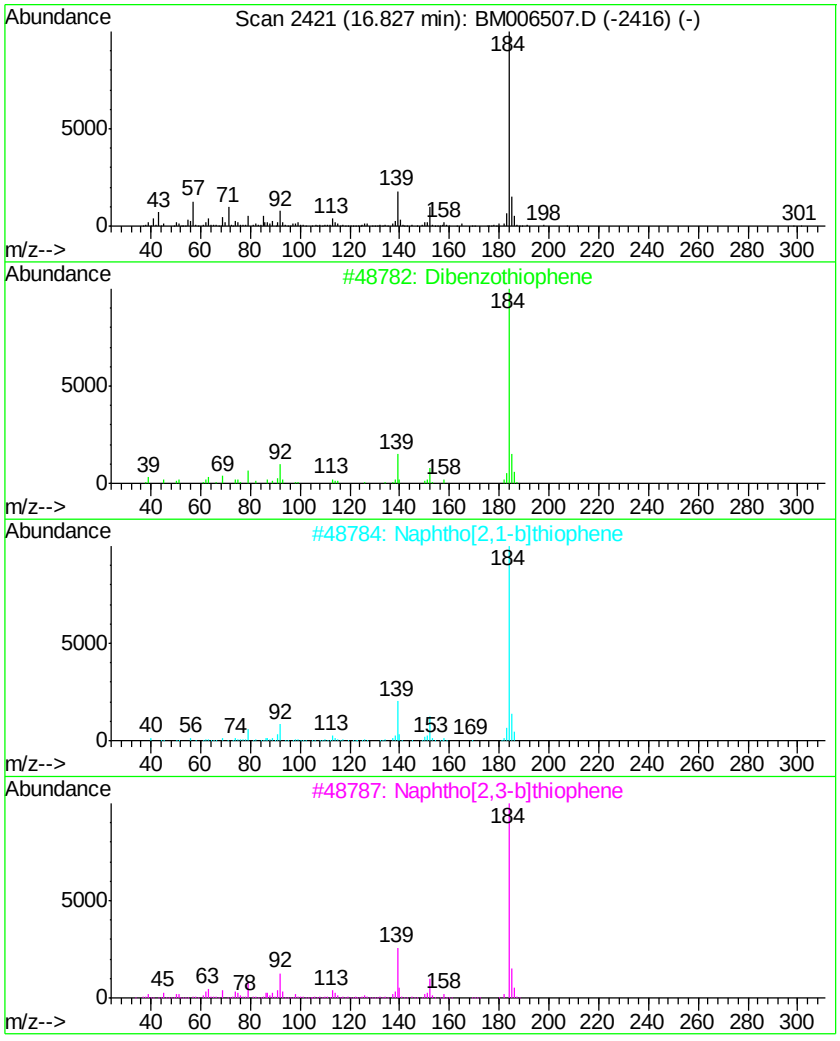
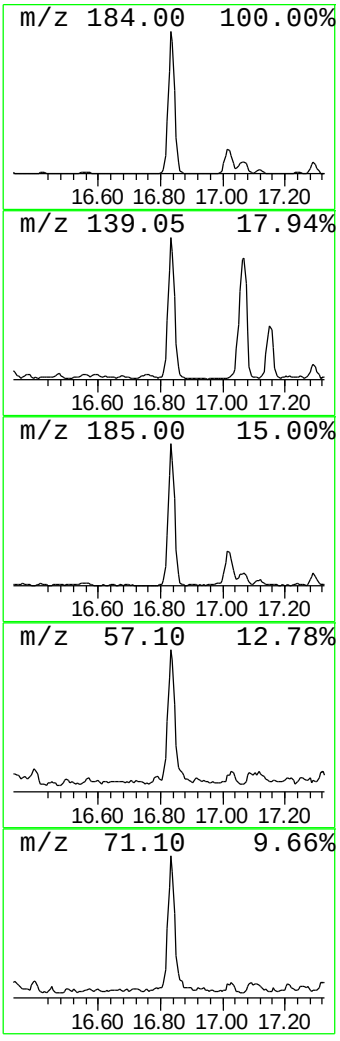
Peak Number 15 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	19.18 ng/ul	1752700	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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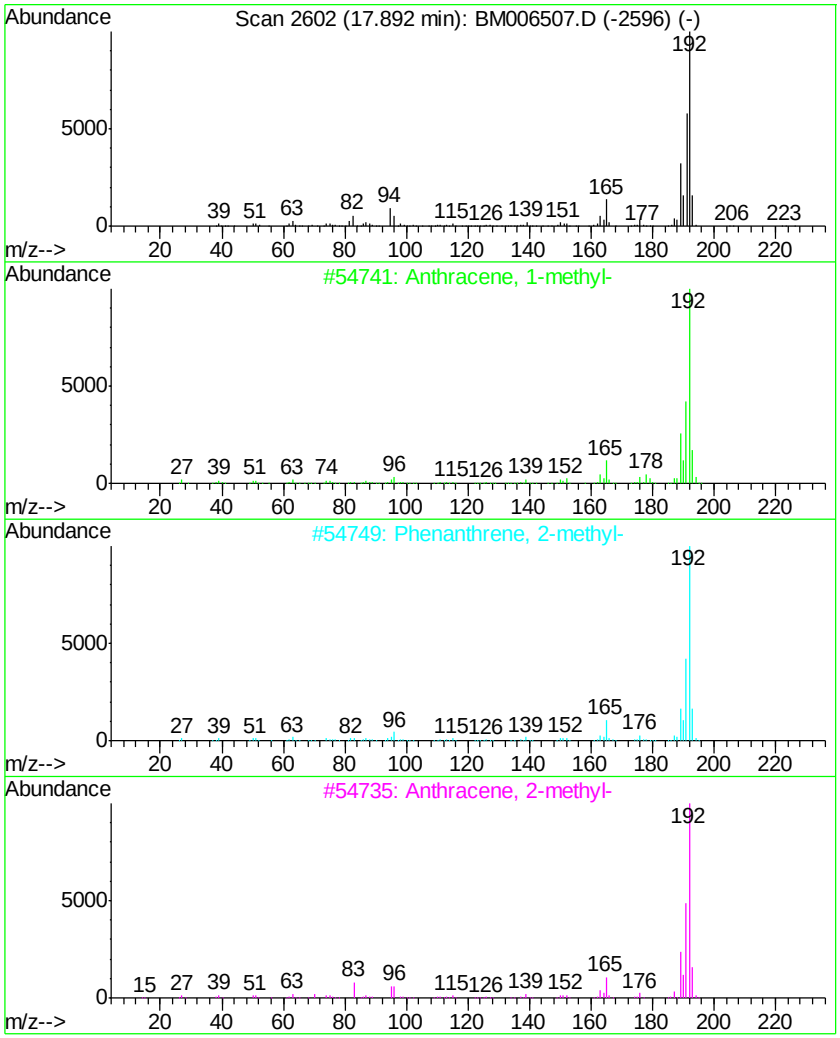
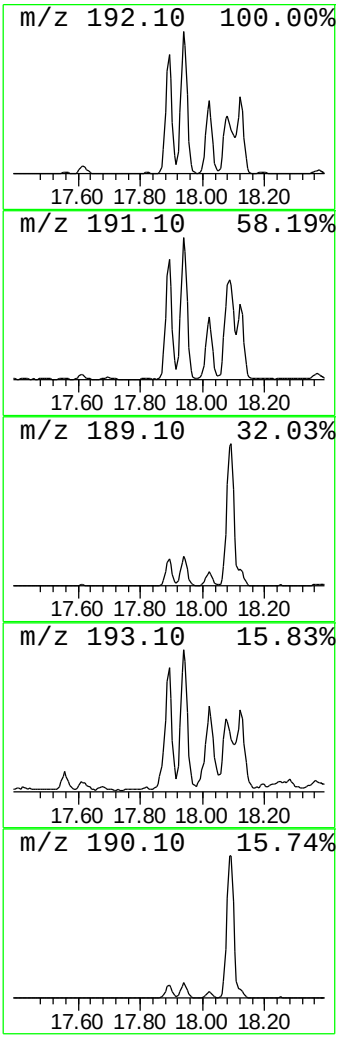
Peak Number 16 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	15.78 ng/ul	1441570	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	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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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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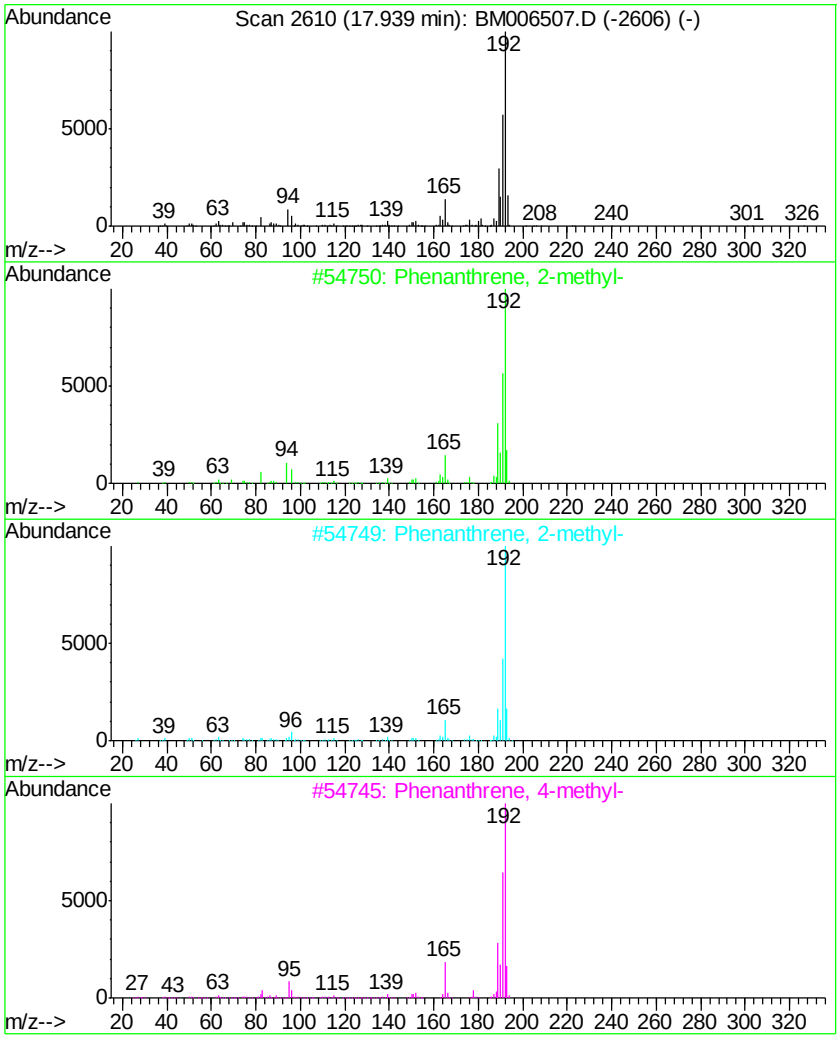
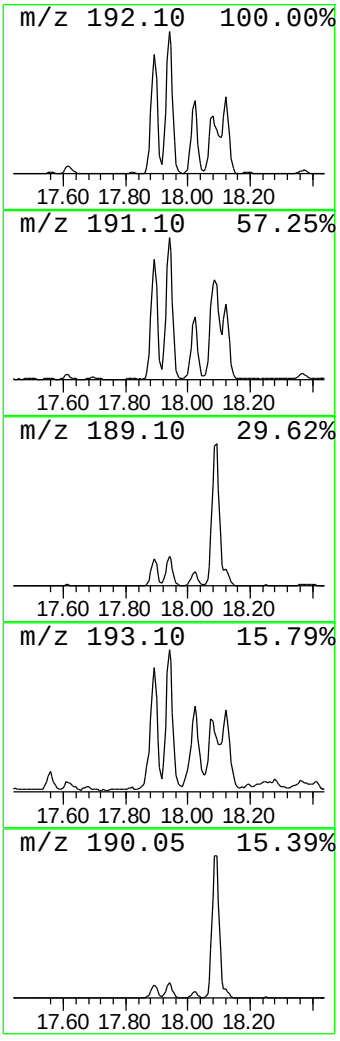
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	20.05 ng/ul	1831960	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

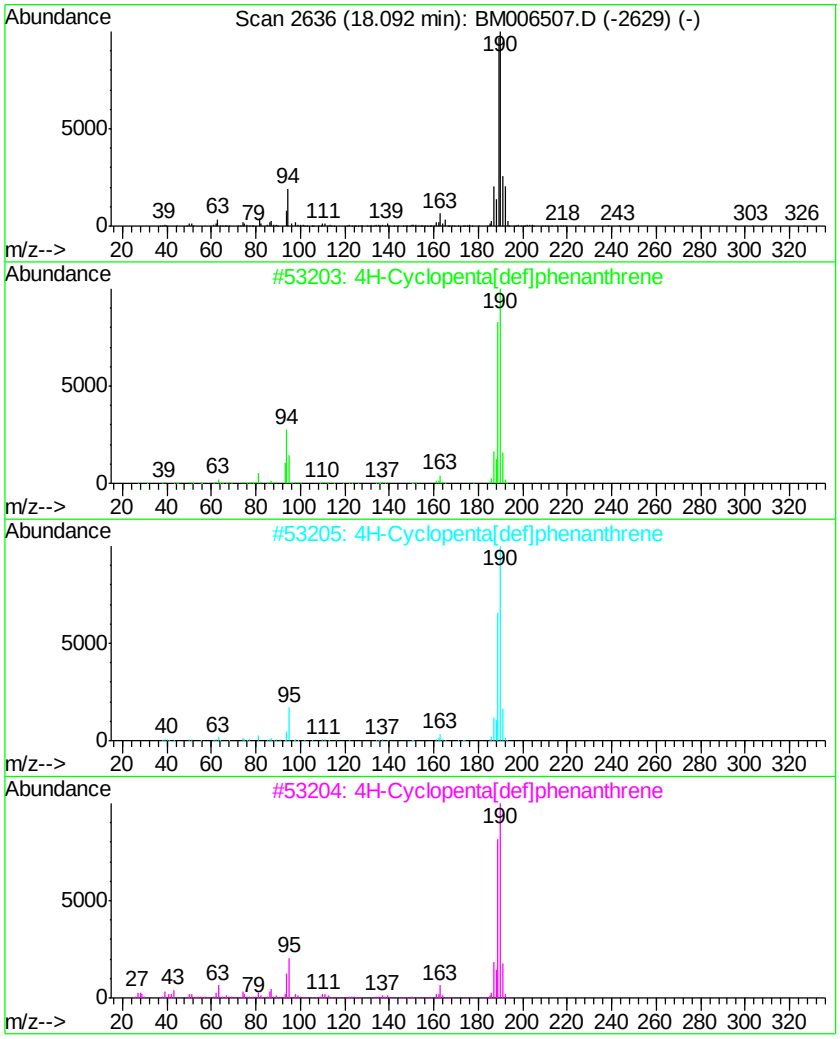
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

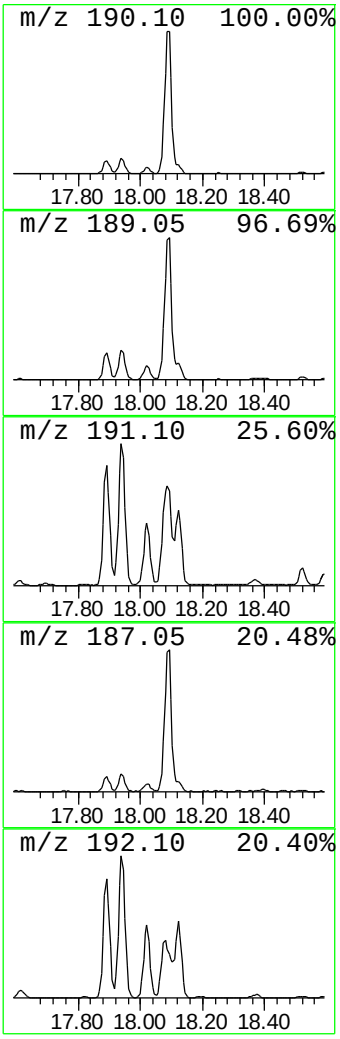
****

Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	39.60 ng/ul	3618280	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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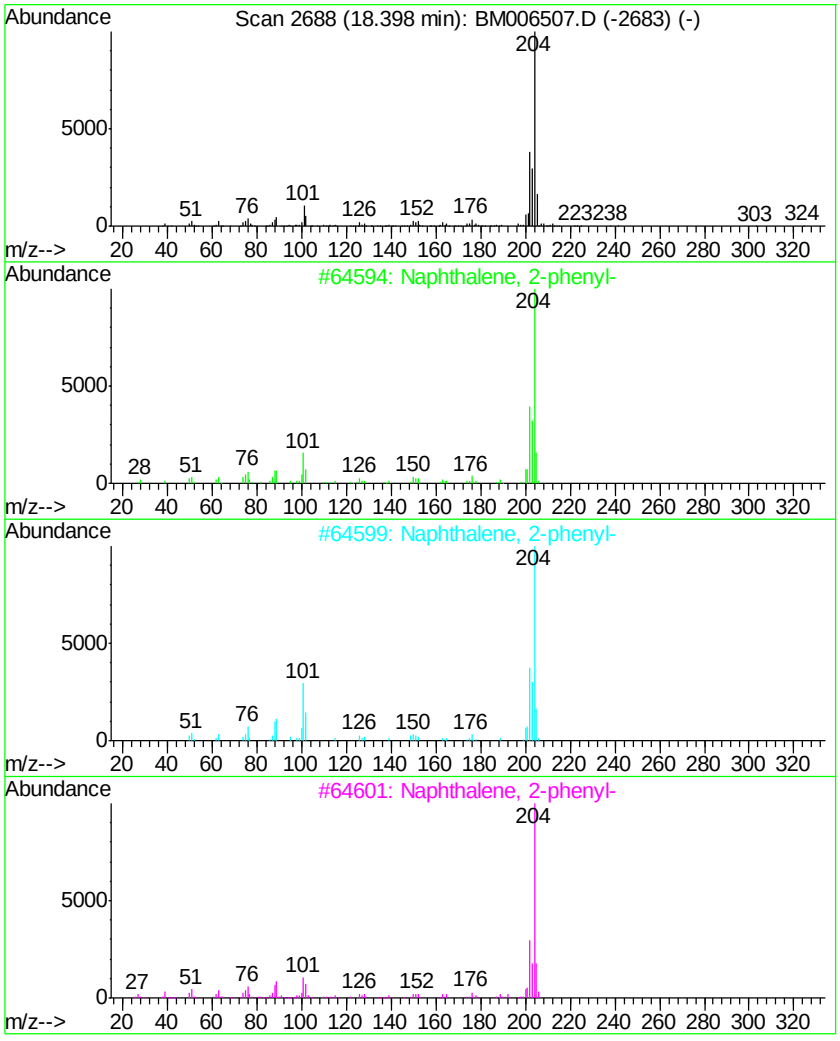
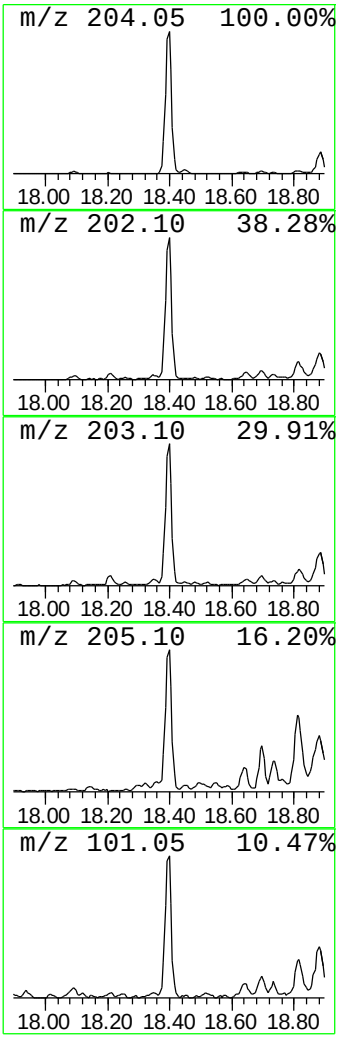
Peak Number 21 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	11.88 ng/ul	1085450	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Library Search Compound Report

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Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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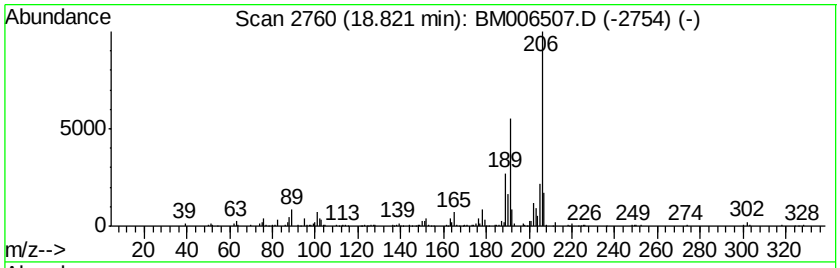
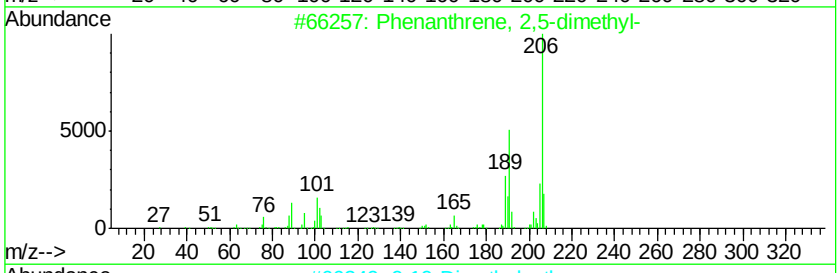
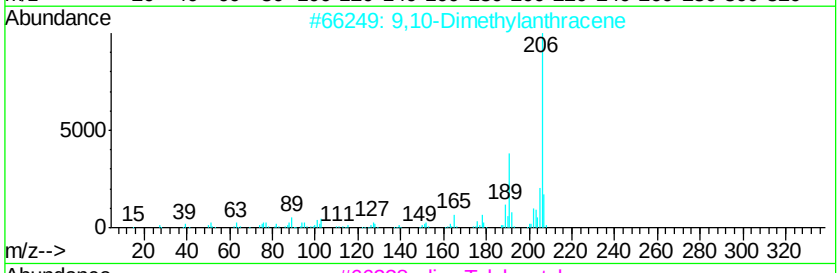
Peak Number 22 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

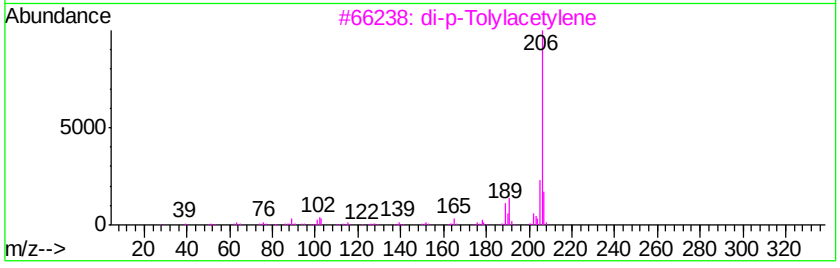
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	7.18 ng/ul	656166	Phenanthrene-d10	17.02

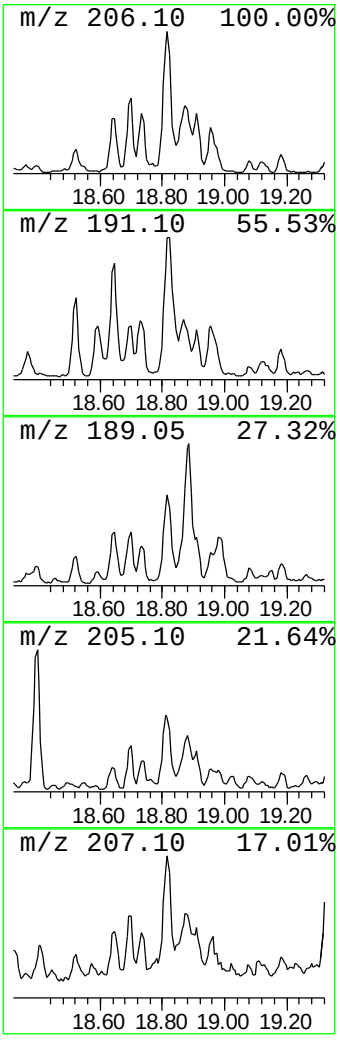
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90











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Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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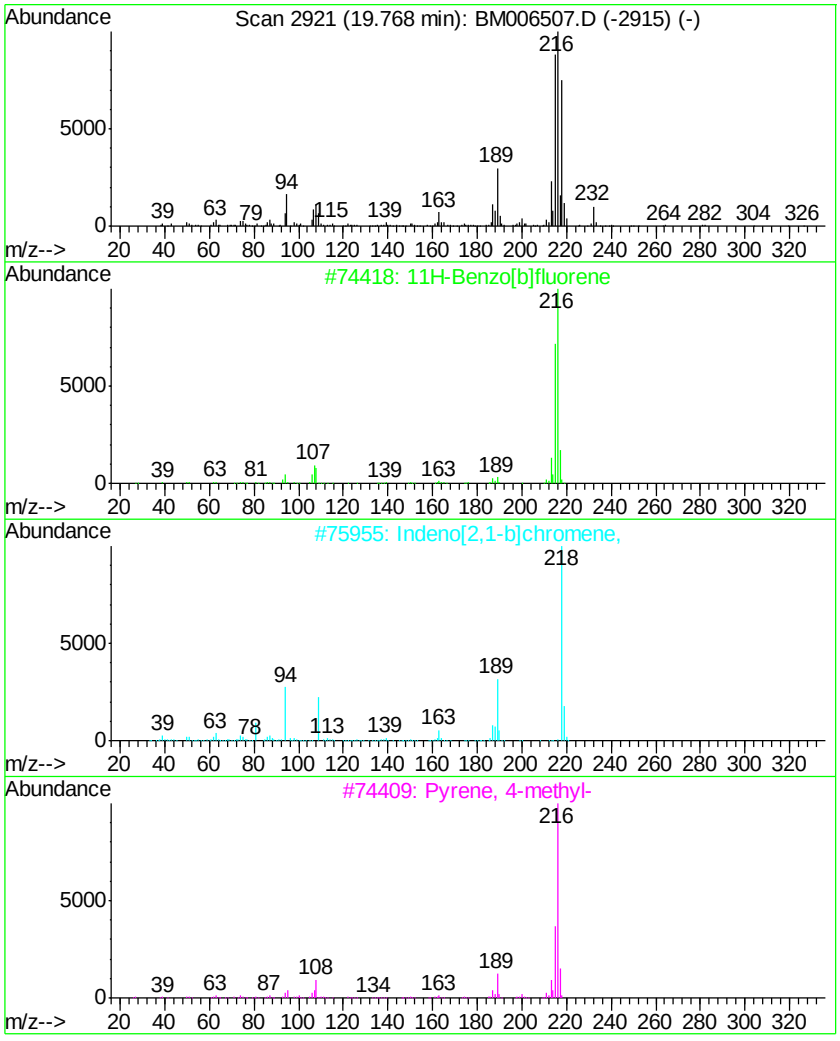
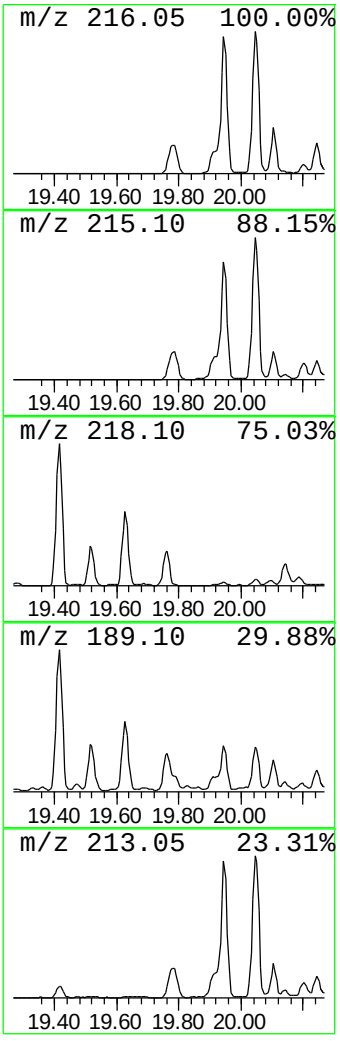
Peak Number 23 11H-Benzo[b]fluorene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.67 ng/ul	1261100	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	81
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	80
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58





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Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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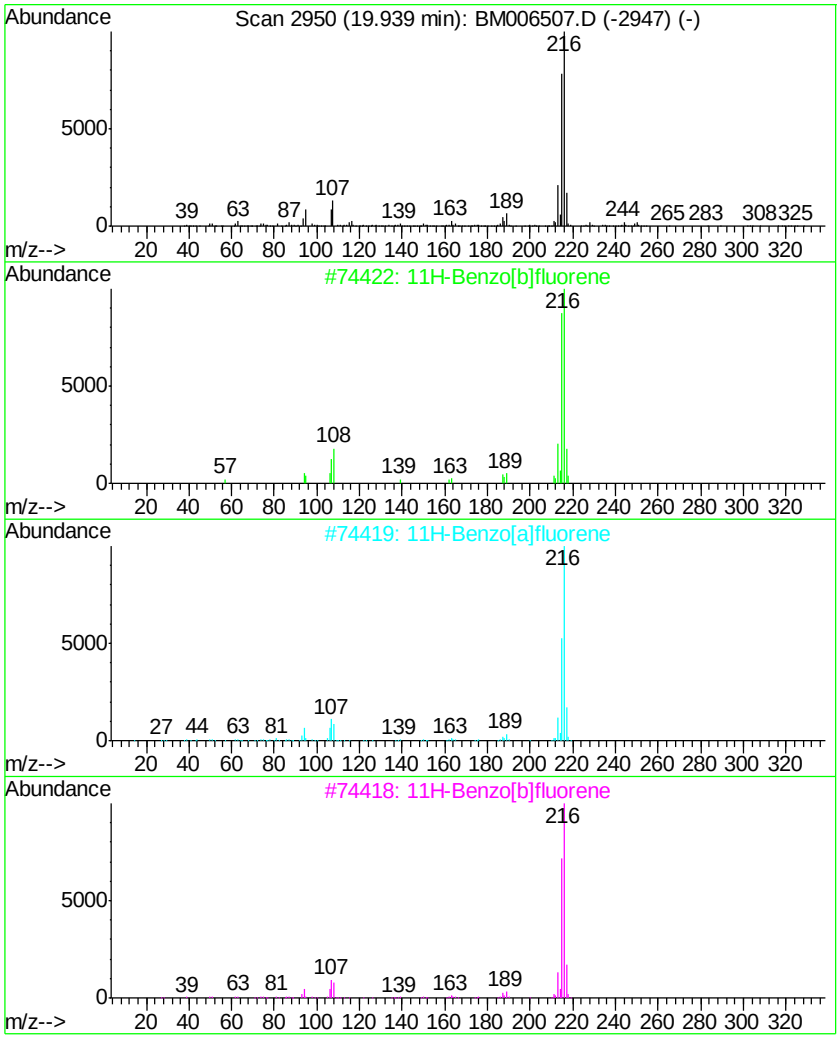
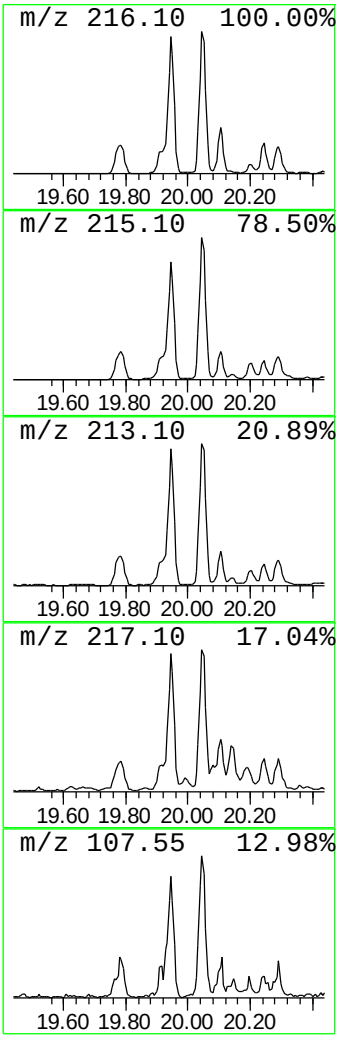
Peak Number 24 11H-Benzo[a]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	6.00 ng/ul	2841130	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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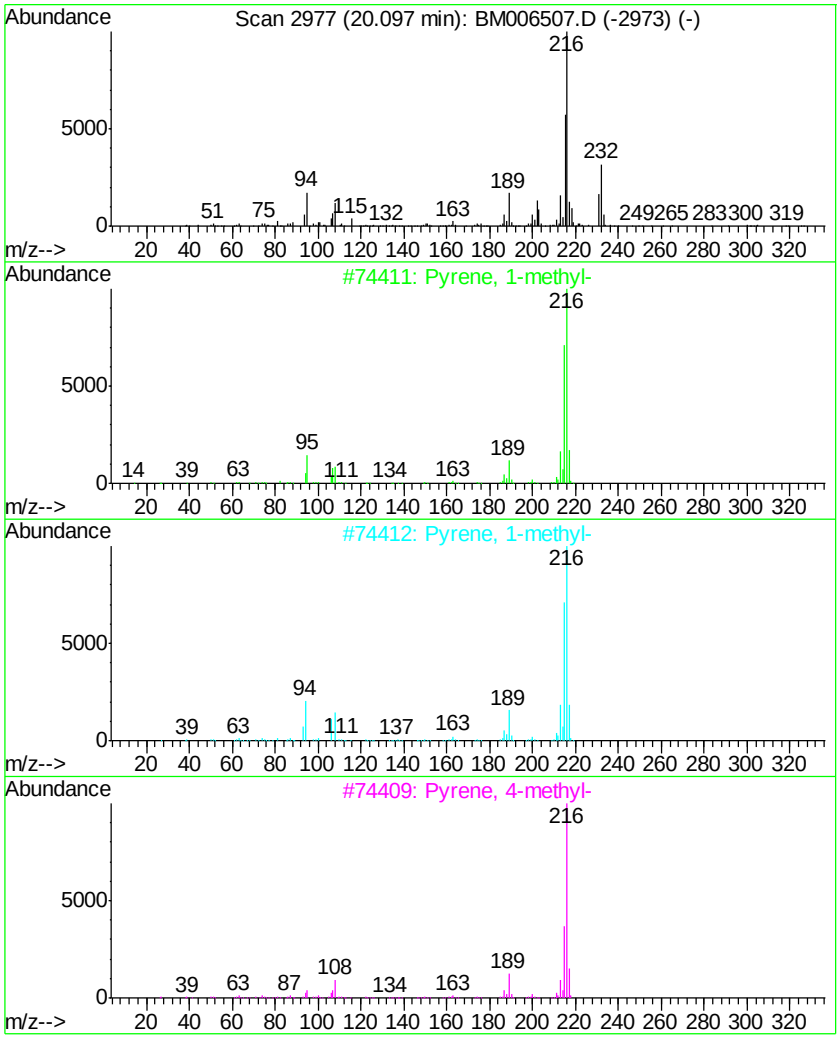
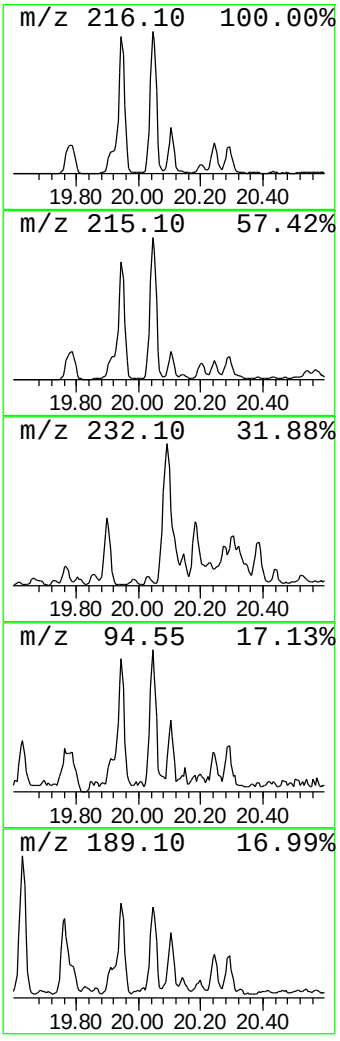
Peak Number 26 Pyrene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.62 ng/ul	1241830	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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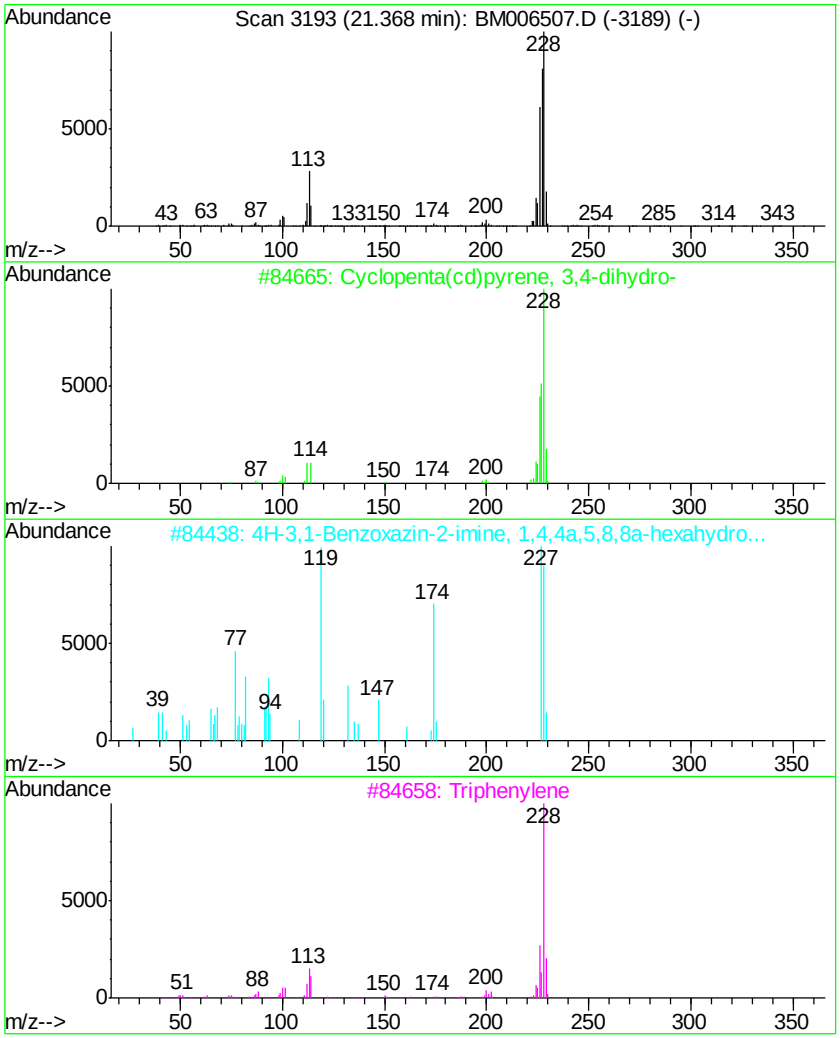
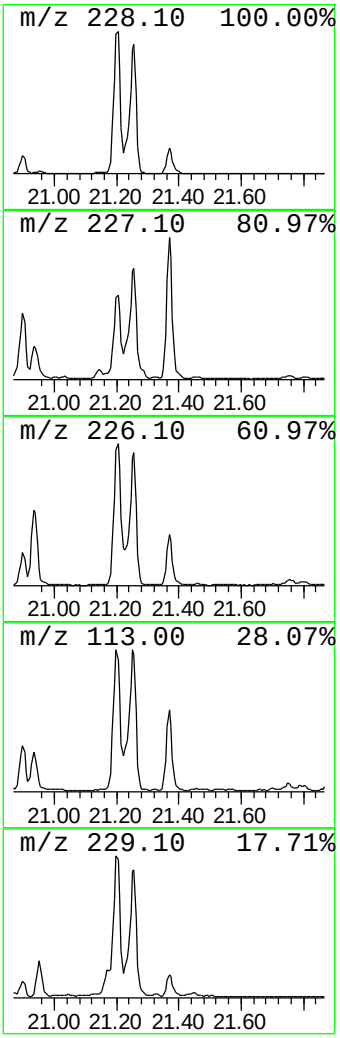
Peak Number 27 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.92 ng/ul	1382700	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	96
2	4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	53
3	Triphenylene	228	C18H12	000217-59-4	50
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
5	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47





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Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

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Quant Title : SVOA CALIBRATION

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

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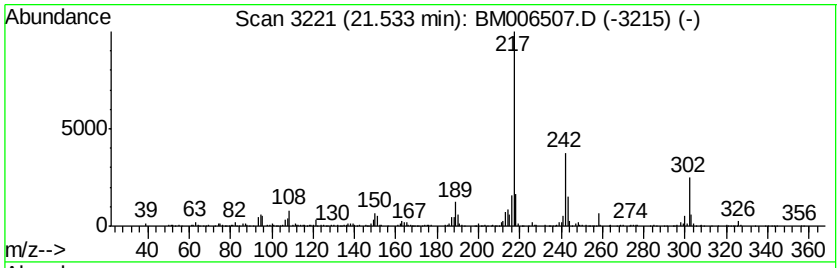
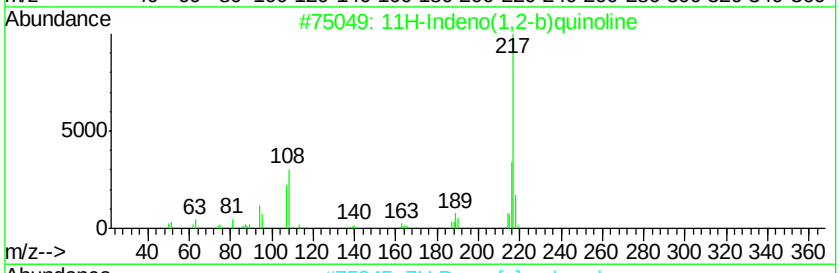
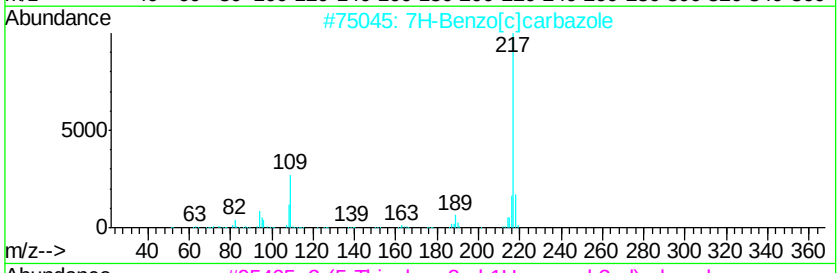
Peak Number 28 11H-Indeno(1,2-b)quinoline Concentration Rank 34

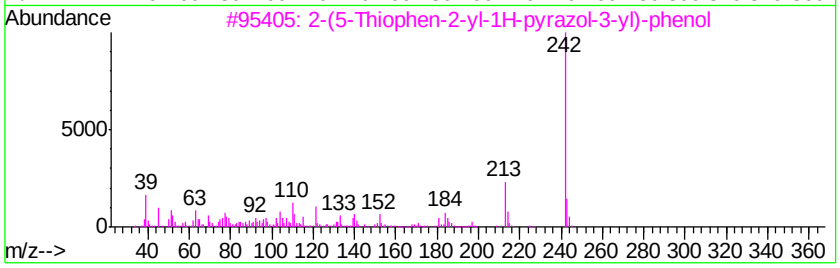
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	2.22 ng/ul	1050430	Chrysene-d12	21.22

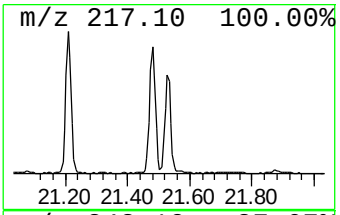
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	56
2	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	46
3	2-(5-Thiophen-2-yl-1H-pyrazol-3-...	242	C13H10N2OS	1000301-11-6	43
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	42
5	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	42

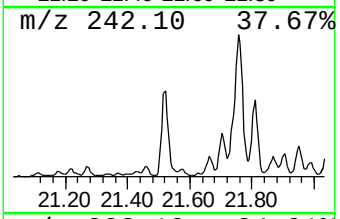


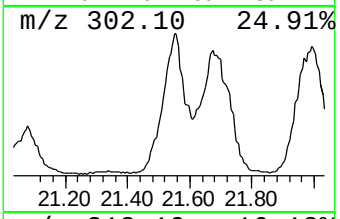


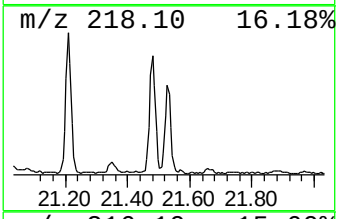


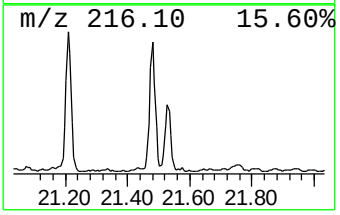












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Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

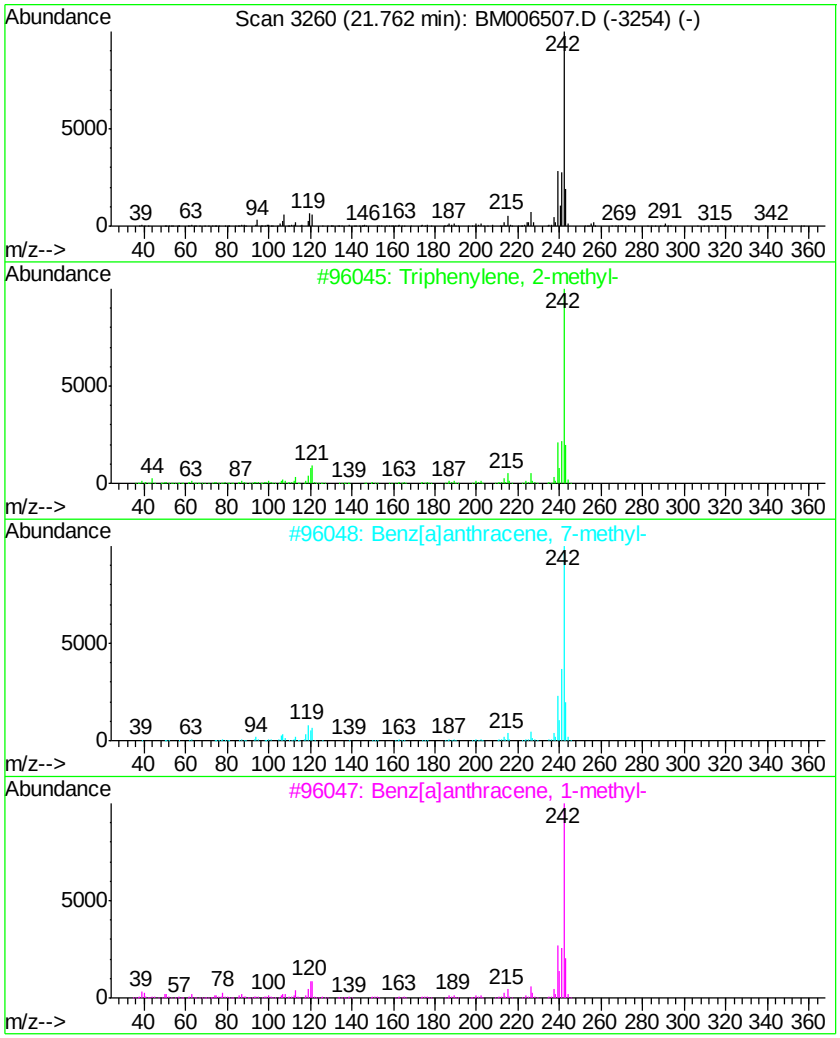
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

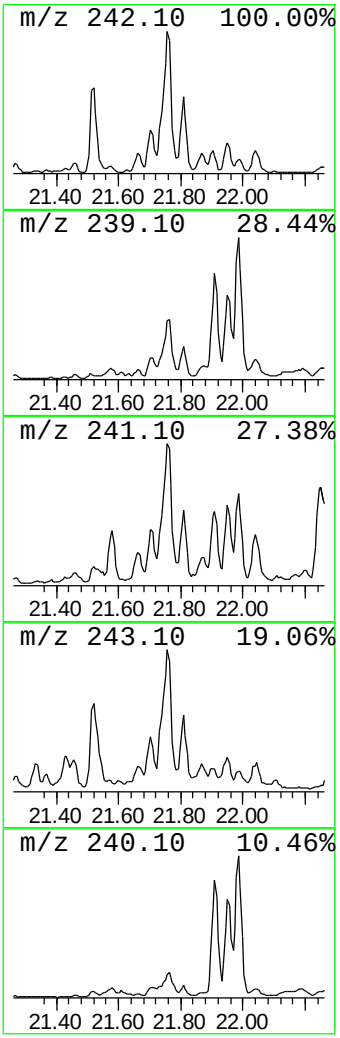
****

Peak Number 29 Triphenylene, 2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	2.02 ng/ul	957095	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	94
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
4	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	90
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89





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Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

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

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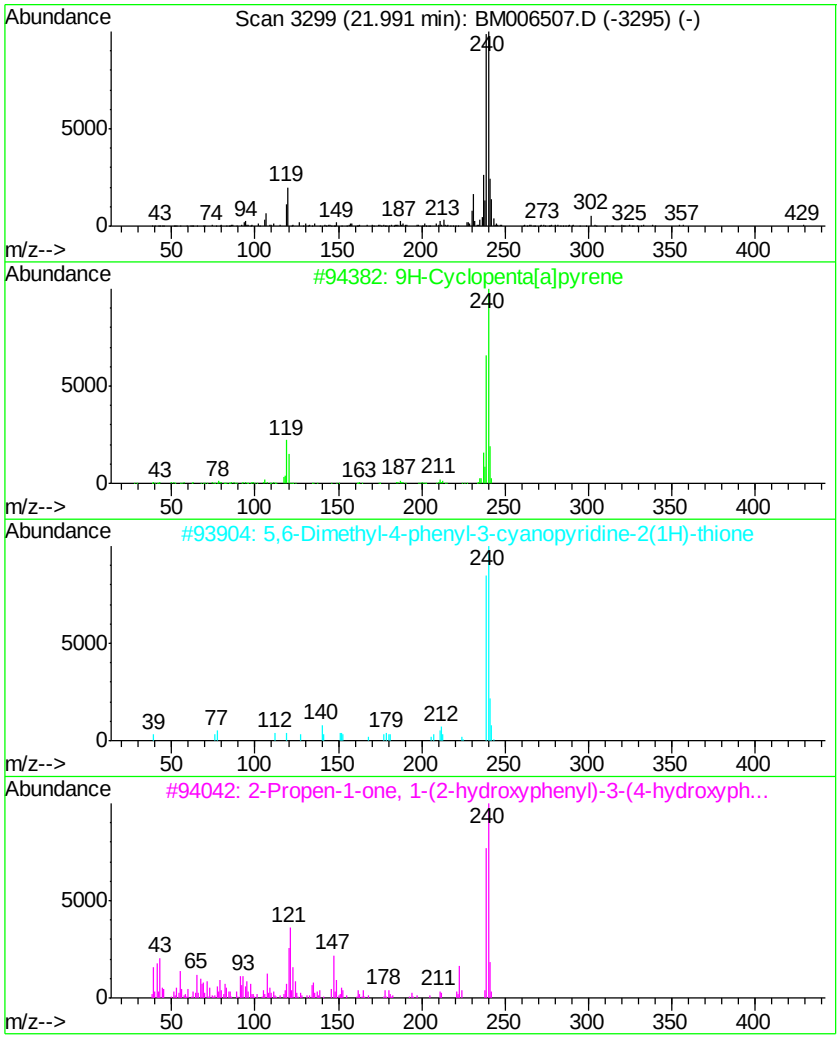
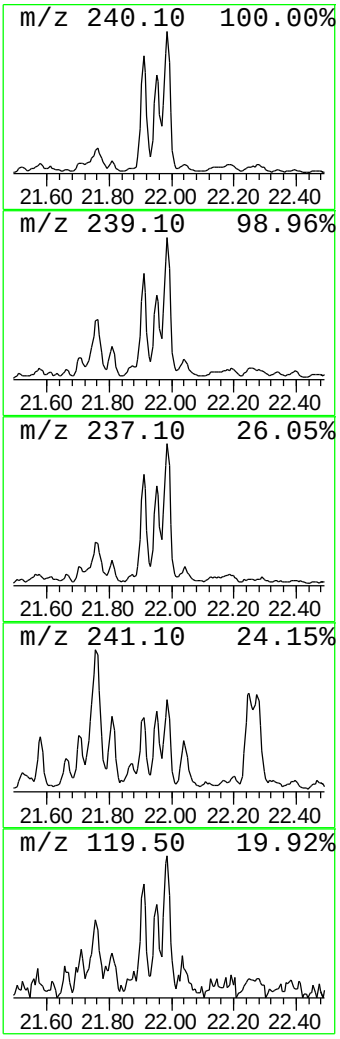
Peak Number 30 9H-Cyclopenta[a]pyrene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.99	2.40 ng/ul	1136260	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	94
2	5,6-Dimethyl-4-phenyl-3-cyanopyr...	240	C14H12N2S	094639-18-6	59
3	2-Propen-1-one, 1-(2-hydroxyphen...	240	C15H12O3	013323-66-5	59
4	5-Methyl-4-(1-naphthyl)-2-thiazo...	240	C14H12N2S	107411-05-2	59
5	9-Amino-10,10-dimethyl-9,10-dihy...	240	C14H16N2Si	092973-65-4	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006507.D
Acq On : 17 Jul 2016 09:21
Operator : UM/SJ
Sample : H3959-06 10X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.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
Indane	7.98	29.7	ng/ul	1230610	1	7.62	828561	20.0
Naphthalene, 2-et...	13.29	9.3	ng/ul	998962	3	14.27	2141600	20.0
Naphthalene, 1,6-...	13.42	6.7	ng/ul	717728	3	14.27	2141600	20.0
Naphthalene, 2,3-...	13.58	11.8	ng/ul	1265150	3	14.27	2141600	20.0
Naphthalene, 1,7-...	13.82	4.8	ng/ul	514557	3	14.27	2141600	20.0
Naphthalene, 1-(2...	15.44	4.9	ng/ul	527186	3	14.27	2141600	20.0
Diphenylmethane	15.48	6.4	ng/ul	685771	3	14.27	2141600	20.0
Dibenzofuran, 4-m...	15.62	8.4	ng/ul	895048	3	14.27	2141600	20.0
[1,1'-Biphenyl]-4...	15.76	12.5	ng/ul	1142680	4	17.02	1827290	20.0
(DEL) Alkane: Str...	16.02	6.0	ng/ul	546361	4	17.02	1827290	20.0
Anthracene, 9,10-...	16.12	5.3	ng/ul	482796	4	17.02	1827290	20.0
9H-Fluorene, 2-me...	16.32	10.5	ng/ul	960808	4	17.02	1827290	20.0
Phenol, 4-(2-phen...	16.75	4.9	ng/ul	446760	4	17.02	1827290	20.0
Dibenzothiophene	16.83	19.2	ng/ul	1752700	4	17.02	1827290	20.0
Anthracene, 1-met...	17.89	15.8	ng/ul	1441570	4	17.02	1827290	20.0
Phenanthrene, 2-m...	17.94	20.1	ng/ul	1831960	4	17.02	1827290	20.0
4H-Cyclopenta[def...	18.09	39.6	ng/ul	3618280	4	17.02	1827290	20.0
Naphthalene, 2-ph...	18.40	11.9	ng/ul	1085450	4	17.02	1827290	20.0
Phenanthrene, 2,5...	18.82	7.2	ng/ul	656166	4	17.02	1827290	20.0
11H-Benzo[b]fluorene	19.77	2.7	ng/ul	1261100	5	21.22	9462770	20.0
11H-Benzo[a]fluorene	19.94	6.0	ng/ul	2841130	5	21.22	9462770	20.0
Pyrene, 1-methyl-	20.10	2.6	ng/ul	1241830	5	21.22	9462770	20.0
Cyclopenta(cd)pyr...	21.37	2.9	ng/ul	1382700	5	21.22	9462770	20.0
11H-Indeno(1,2-b)...	21.53	2.2	ng/ul	1050430	5	21.22	9462770	20.0
Triphenylene, 2-m...	21.76	2.0	ng/ul	957095	5	21.22	9462770	20.0
9H-Cyclopenta[a]p...	21.99	2.4	ng/ul	1136260	5	21.22	9462770	20.0