LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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	846	855	869	rBV	477525	800416	1.96%	0.372%
2	7.981	910	917	932	rBV	771150	1261266	3.09%	0.587%
3	10.398	1318	1328	1330	rBV	522176	932214	2.29%	0.434%
4	10.475	1330	1341	1350	rVV	16919744	40776330	100.00%	18.976%
5	10.569	1350	1357	1368	rVB	561955	1001500	2.46%	0.466%
6	12.063	1599	1611	1621	rBV	2708661	4781189	11.73%	2.225%
7	12.286	1638	1649	1660	rBV	1603890	2700550	6.62%	1.257%
8	13.092	1779	1786	1798	rVB	844522	1313777	3.22%	0.611%
9	13.286	1813	1819	1832	rVB	489281	946024	2.32%	0.440%
10	13.427	1832	1843	1844	rBV	474833	817231	2.00%	0.380%
11	13.580	1863	1869	1874	rBV	651705	1158644	2.84%	0.539%
12	13.633	1874	1878	1883	rVV	350669	514382	1.26%	0.239%
13	13.821	1902	1910	1914	rBV	290420	483522	1.19%	0.225%
14	13.986	1928	1938	1946	rBV2	381174	741843	1.82%	0.345%
15	14.268	1975	1986	1991	rBV4	893729	1983022	4.86%	0.923%
16	14.333	1991	1997	2006	rVB	4524259	7550277	18.52%	3.514%
17	14.668	2043	2054	2061	rVV	2665645	4089907	10.03%	1.903%
18	15.321	2159	2165	2176	rVB	3380551	5443967	13.35%	2.533%
19	15.445	2183	2186	2189	rVV	297522	442879	1.09%	0.206%
20	15.480	2189	2192	2196	rVV3	425238	627726	1.54%	0.292%
21	15.568	2203	2207	2211	rVV	261530	428089	1.05%	0.199%
22	15.615	2211	2215	2224	rVB	540553	822481	2.02%	0.383%
23	15.762	2230	2240	2248	rVV2	498051	1241581	3.04%	0.578%
24	16.015	2270	2283	2293	rVB2	195878	430022	1.05%	0.200%
25	16.115	2293	2300	2306	rBV	279475	468697	1.15%	0.218%
26	16.321	2324	2335	2340	rBV2	415108	929344	2.28%	0.432%
27	16.751	2403	2408	2415	rVV5	168870	421963	1.03%	0.196%
28	16.833	2416	2422	2436	rVB	1033065	1637740	4.02%	0.762%
29	17.021	2448	2454	2456	rBV	1044005	1686972	4.14%	0.785%
30	17.068	2456	2462	2467	rVV	8676128	14809421	36.32%	6.892%
31	17.151	2467	2476	2482	rVV	4126881	6453868	15.83%	3.003%
32	17.421	2517	2522	2538	rBV	732603	1255006	3.08%	0.584%
33	17.892	2596	2602	2606	rBV	957658	1397031	3.43%	0.650%
34	17.939	2606	2610	2617	rVB	1264164	1787333	4.38%	0.832%

LSC Area Percent Report

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Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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	18.021	2617	2624	2629	rBV	618318	947825	2.32%	0.441%
36	18.086	2629	2635	2639	rVV2	1976057	3500574	8.58%	1.629%
37	18.121	2639	2641	2648	rVB	590848	719456	1.76%	0.335%
38	18.398	2683	2688	2693	rVB	774538	1069391	2.62%	0.498%
39	18.815	2753	2759	2764	rBV2	362669	696760	1.71%	0.324%
40	19.092	2798	2806	2811	rBV	7631067	12605097	30.91%	5.866%
41	19.233	2825	2830	2834	rBV	633658	837098	2.05%	0.390%
42	19.327	2841	2846	2856	rVB2	374011	726735	1.78%	0.338%
43	19.450	2856	2867	2875	rVV3	6226008	13566003	33.27%	6.313%
44	19.521	2875	2879	2886	rVB3	423742	696803	1.71%	0.324%
45	19.627	2892	2897	2903	rVB	570152	791599	1.94%	0.368%
46	19.768	2915	2921	2928	rBV2	509884	1288261	3.16%	0.600%
47	19.909	2940	2945	2946	rVV2	395019	535838	1.31%	0.249%
48	19.945	2947	2951	2956	rVB	1995550	2827851	6.94%	1.316%
49	20.044	2963	2968	2973	rBV	2089032	2942842	7.22%	1.369%
50	20.103	2973	2978	2982	rVV2	676281	1131191	2.77%	0.526%
51	20.244	2998	3002	3006	rVV	295921	422262	1.04%	0.197%
52	20.292	3006	3010	3014	rVB2	362116	536928	1.32%	0.250%
53	20.656	3067	3072	3077	rBV	293533	541044	1.33%	0.252%
54	20.862	3102	3107	3110	rBV	698203	947941	2.32%	0.441%
55	20.897	3110	3113	3116	rVV	711710	803787	1.97%	0.374%
56	20.939	3116	3120	3125	rVV2	528459	796511	1.95%	0.371%
57	21.097	3140	3147	3153	rBV	284877	587895	1.44%	0.274%
58	21.203	3156	3165	3170	rVV3	4763154	9417860	23.10%	4.383%
59	21.256	3170	3174	3183	rVB	3842825	5598804	13.73%	2.605%
60	21.368	3189	3193	3198	rBV	1019769	1333377	3.27%	0.620%
61	21.480	3208	3212	3215	rVB	474559	542833	1.33%	0.253%
62	21.527	3215	3220	3225	rBV2	567830	969849	2.38%	0.451%
63	21.756	3253	3259	3263	rVB	569610	975832	2.39%	0.454%
64	21.809	3264	3268	3272	rVB2	348577	516699	1.27%	0.240%
65	21.909	3281	3285	3289	rVV3	460327	698626	1.71%	0.325%
66	21.950	3289	3292	3295	rVV	505050	811515	1.99%	0.378%
67	21.986	3295	3298	3304	rVV3	762933	1134924	2.78%	0.528%
68	22.044	3304	3308	3318	rVB4	318910	621076	1.52%	0.289%
69	22.762	3423	3430	3434	rBV	2923310	6608737	16.21%	3.075%
70	22.921	3452	3457	3464	rVB	802171	1274274	3.13%	0.593%
71	23.050	3475	3479	3488	rBV2	191608	538641	1.32%	0.251%

LSC Area Percent Report

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Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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	23.227	3502	3509	3515	rBV	1674027	3260596	8.00%	1.517%
73	23.321	3518	3525	3531	rVB	2768423	5205143	12.77%	2.422%
74	23.409	3534	3540	3545	rVV	1076576	2178444	5.34%	1.014%
75	23.462	3545	3549	3556	rVB	867528	1641261	4.03%	0.764%
76	24.256	3678	3684	3696	rVB	290360	712641	1.75%	0.332%
77	25.609	3904	3914	3924	rVB	1473109	4063843	9.97%	1.891%
78	25.856	3950	3956	3964	rVB2	233901	582971	1.43%	0.271%
79	26.285	4018	4029	4045	rBV	966801	3150908	7.73%	1.466%
80	26.632	4081	4088	4106	rVB2	399194	1393234	3.42%	0.648%

Sum of corrected areas: 214887994

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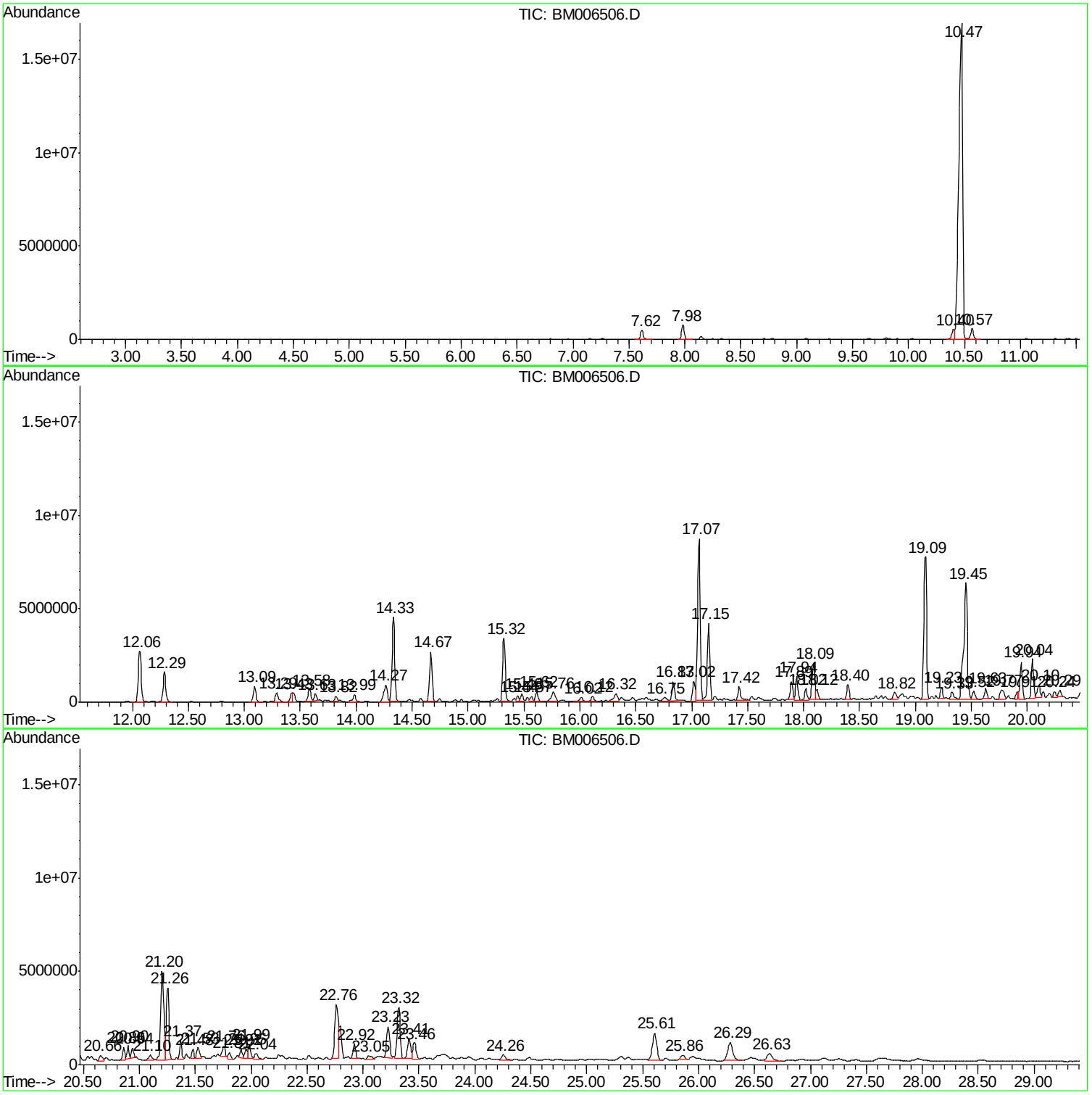
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BDJ22

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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

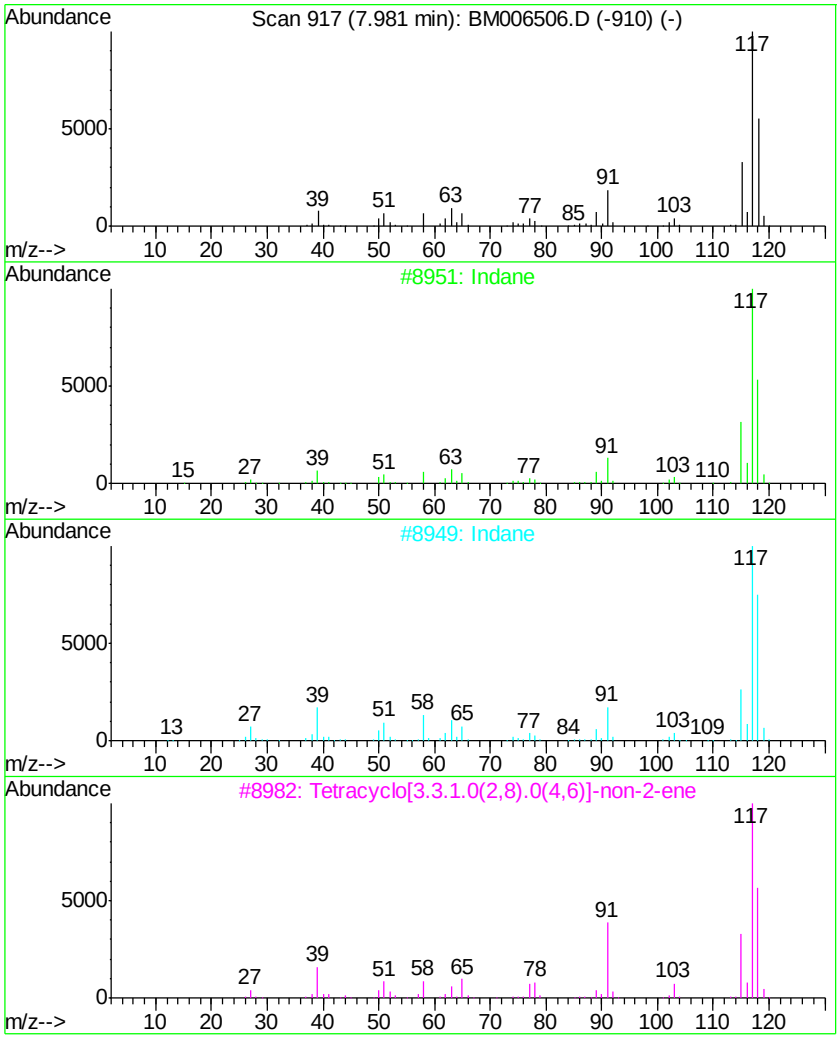
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

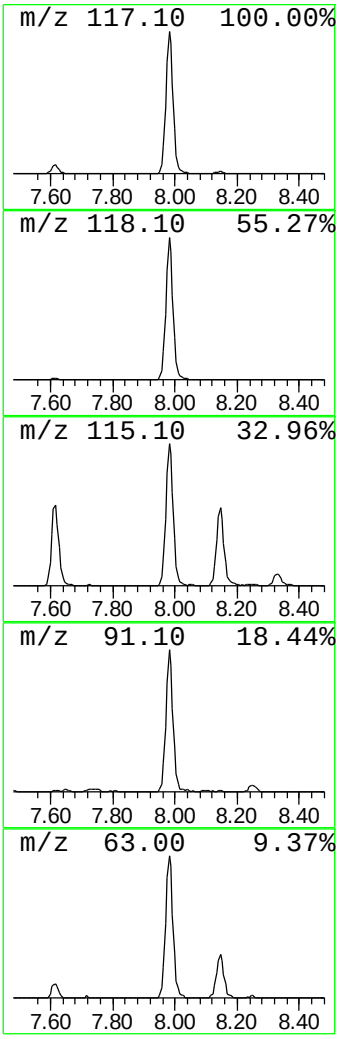
****

Peak Number 1 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	31.52 ng/ul	1261270	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	93
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
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Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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

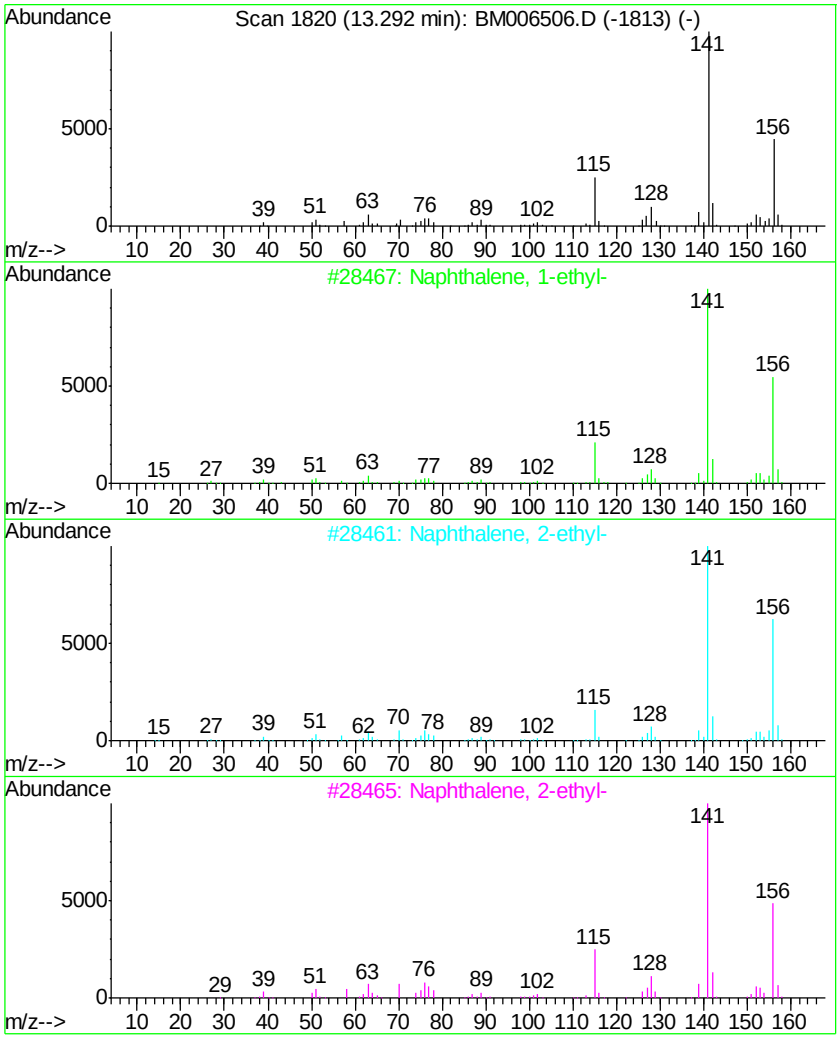
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

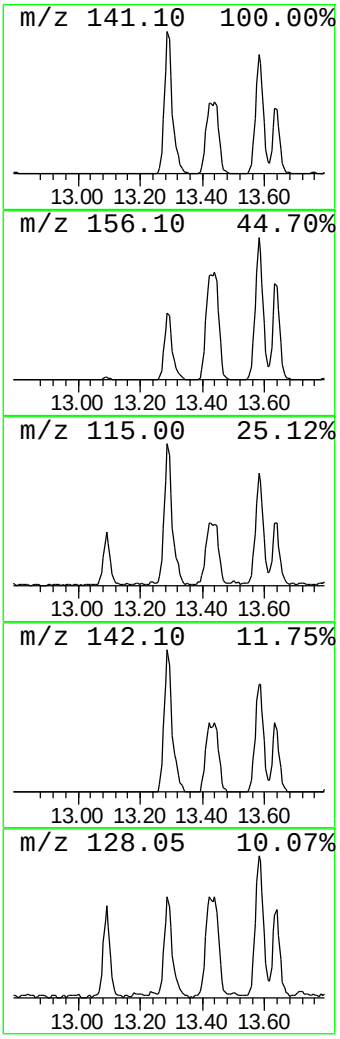
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	9.54 ng/ul	946024	Acenaphthene-d10	14.27

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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

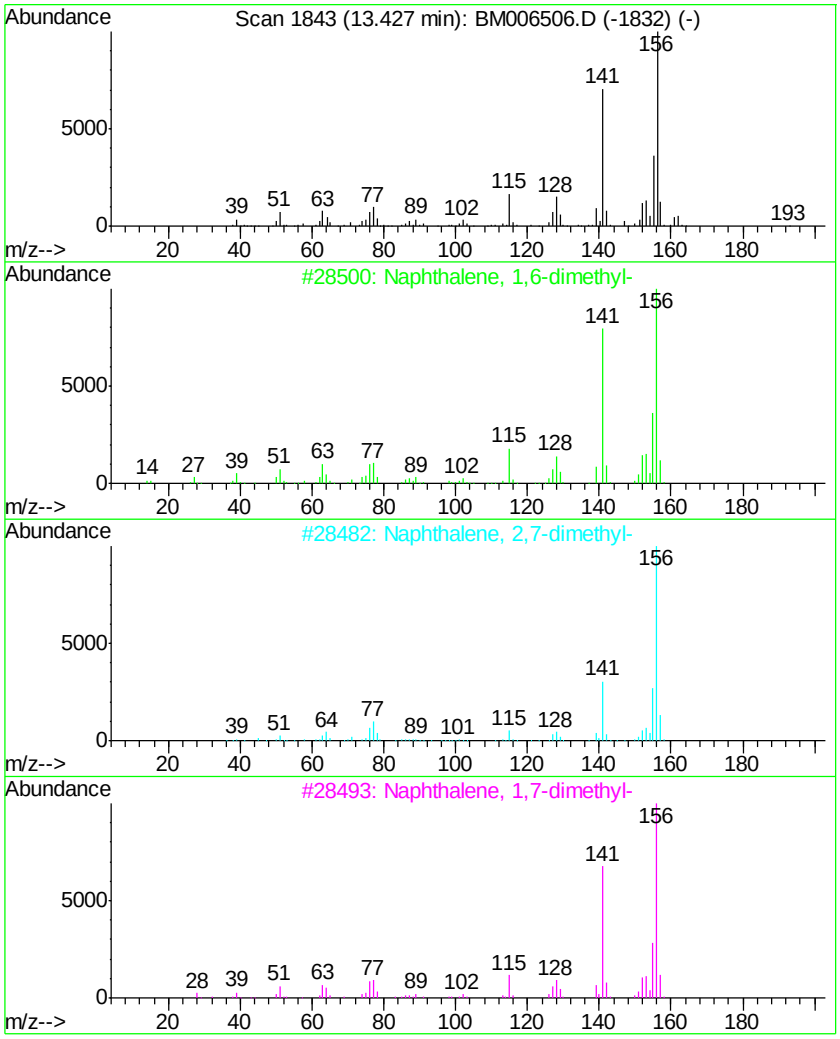
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

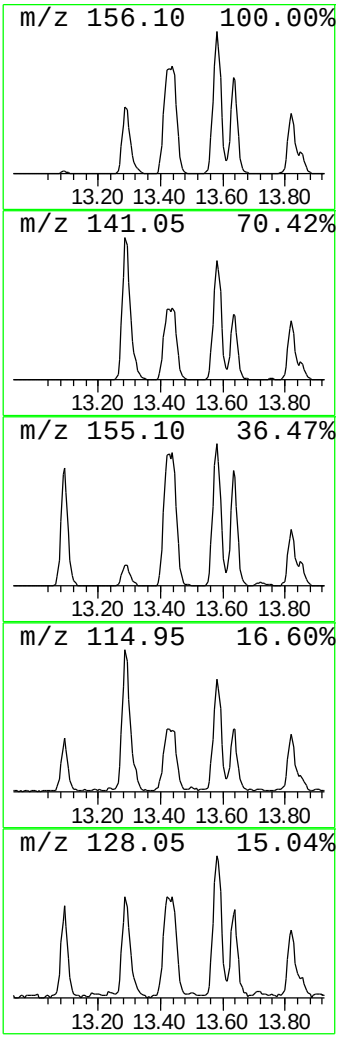
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	8.24 ng/ul	817231	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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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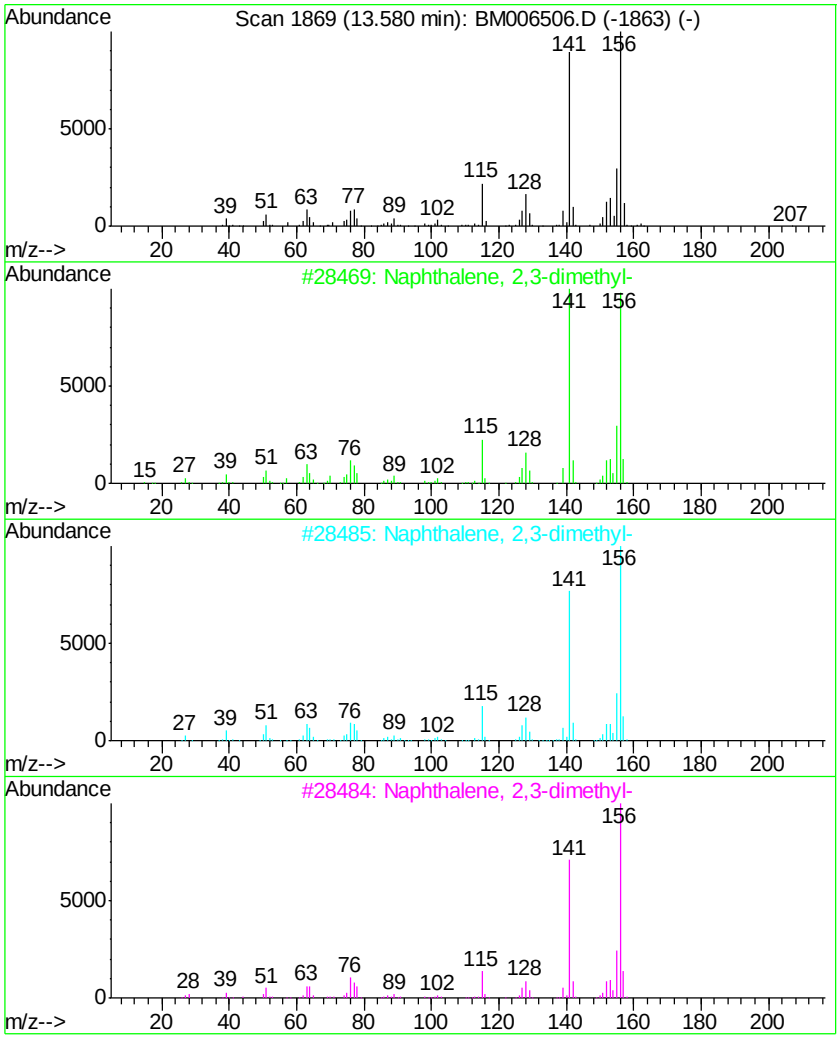
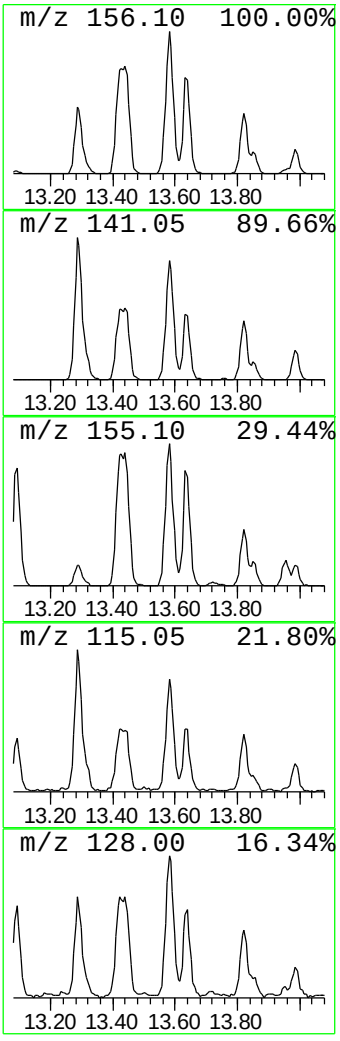
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	11.69 ng/ul	1158640	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006506.D
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Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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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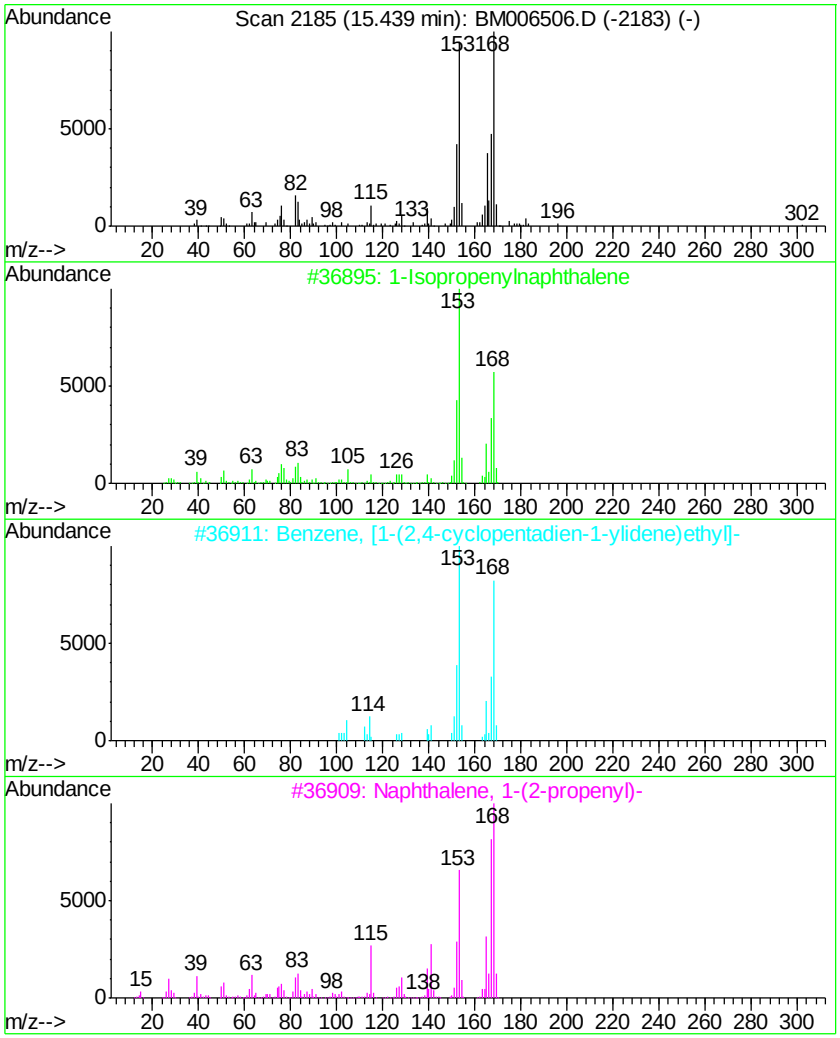
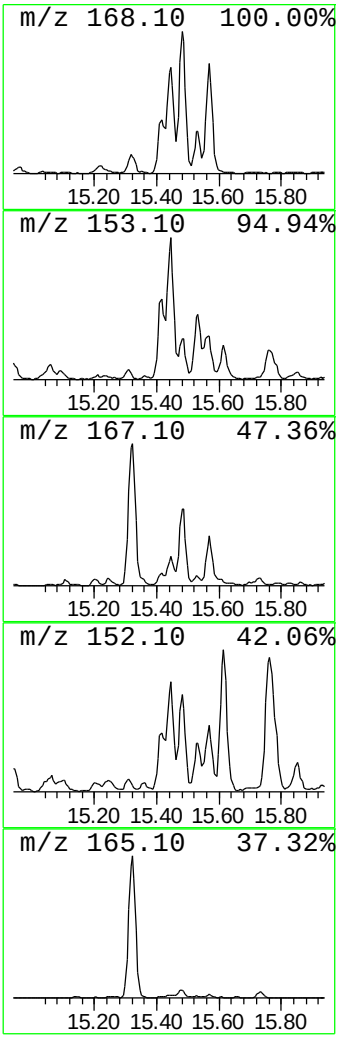
Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	4.47 ng/ul	442879	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	68
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	53
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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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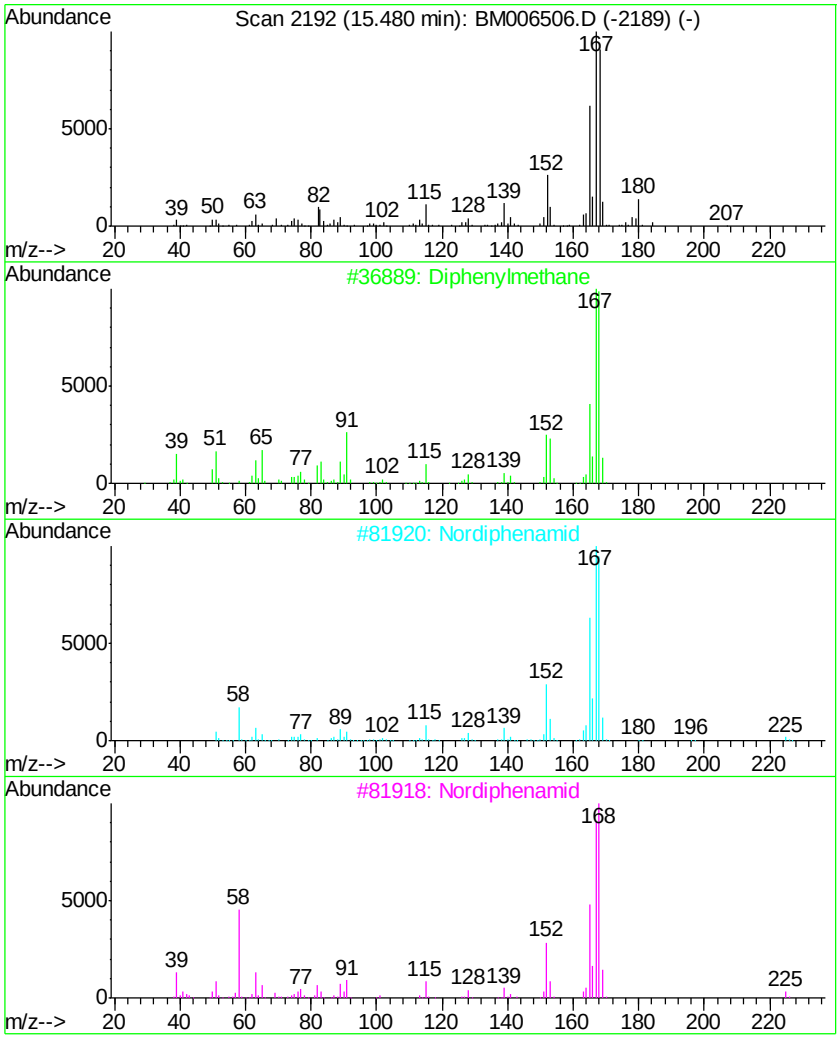
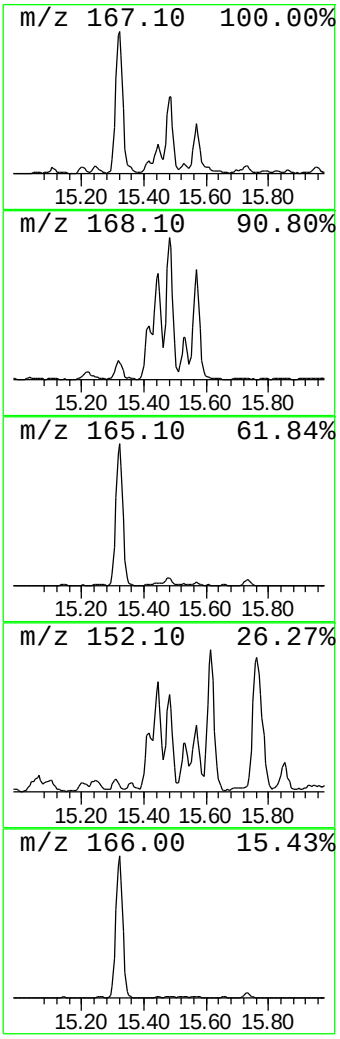
Peak Number 8 Diphenylmethane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	6.33 ng/ul	627726	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	89
2	Nordiphenamid	225	C15H15NO	000954-21-2	86
3	Nordiphenamid	225	C15H15NO	000954-21-2	86
4	Diphenylmethane	168	C13H12	000101-81-5	76
5	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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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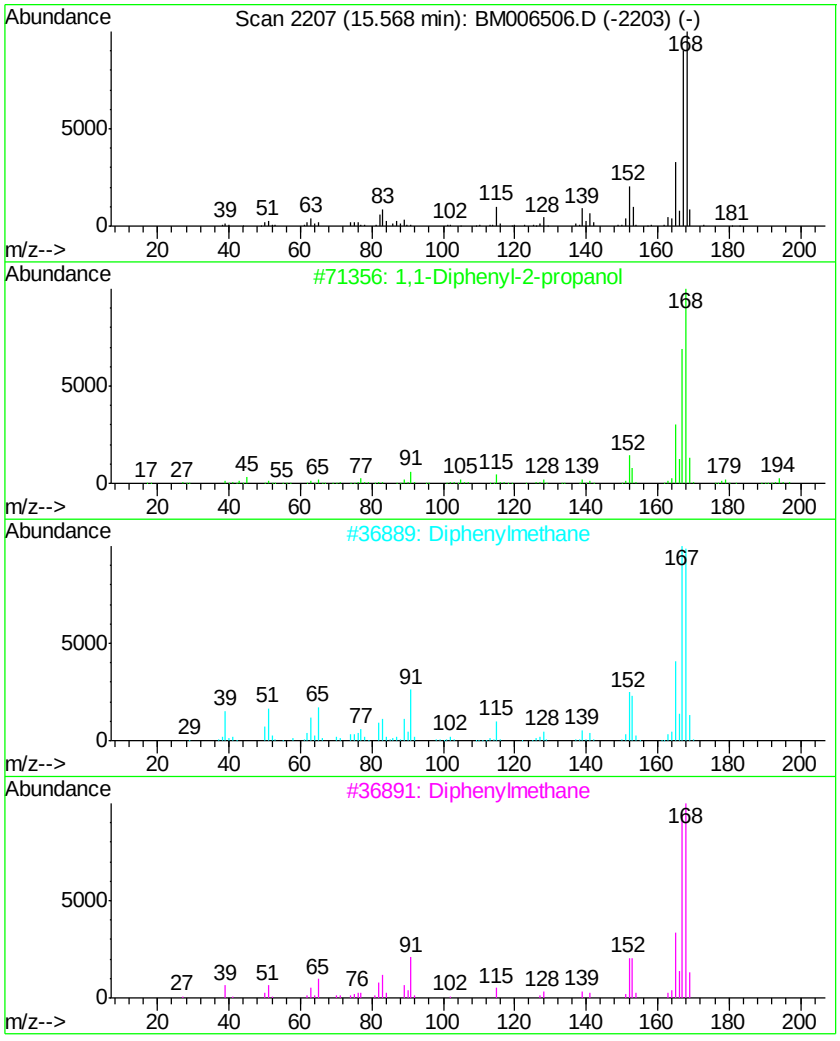
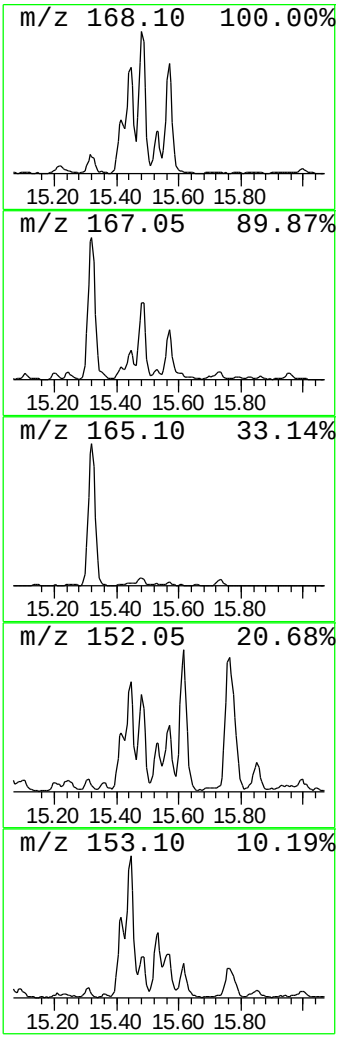
Peak Number 9 1,1-Diphenyl-2-propanol Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	4.32 ng/ul	428089	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	64
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	59





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Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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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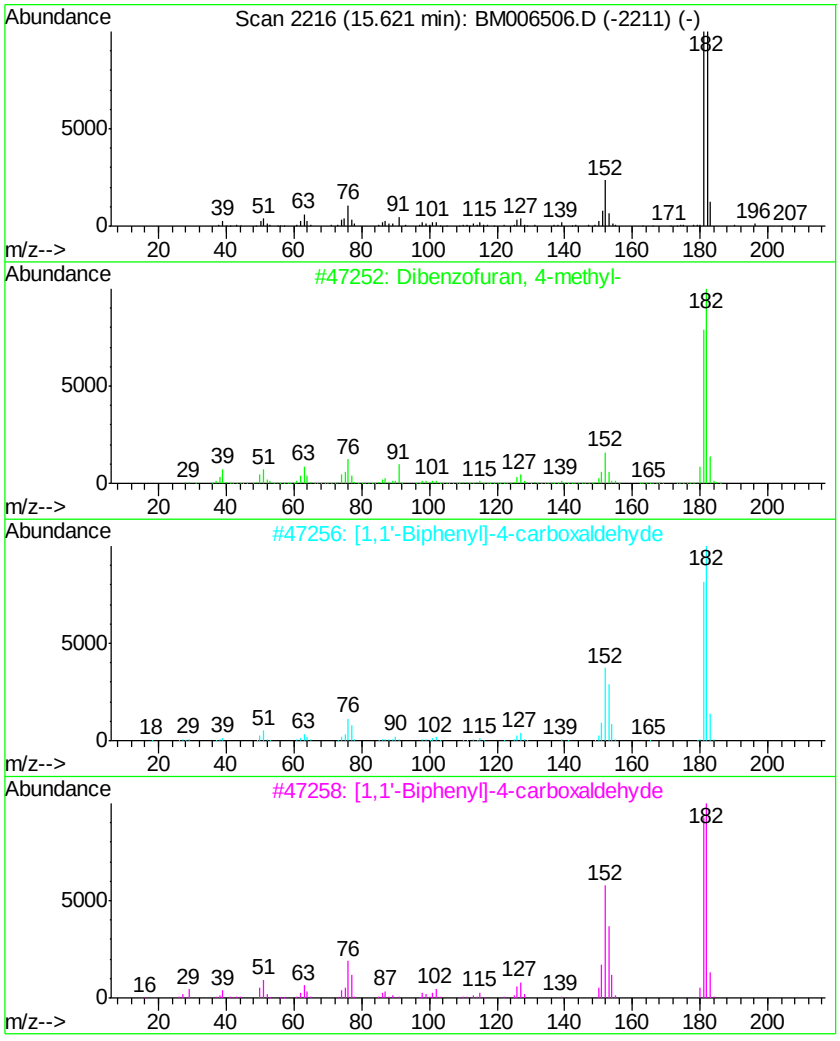
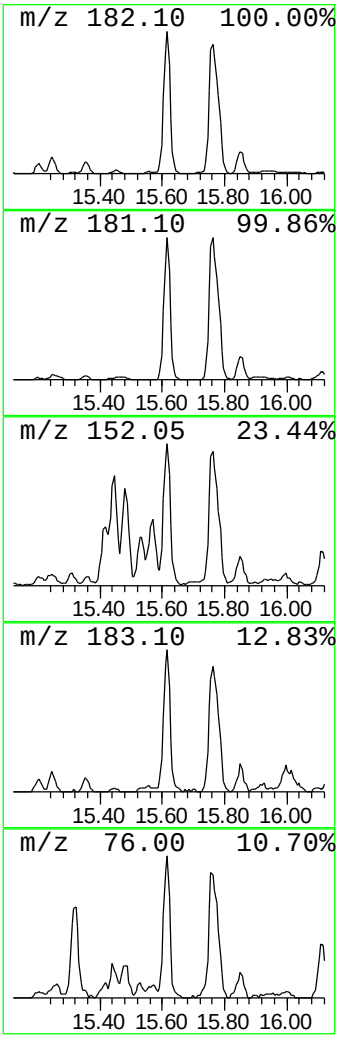
Peak Number 10 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	8.30 ng/ul	822481	Acenaphthene-d10	14.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Instrument : BNA_M
ClientSampleId : BDJ22

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Quant Title : SVOA CALIBRATION

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

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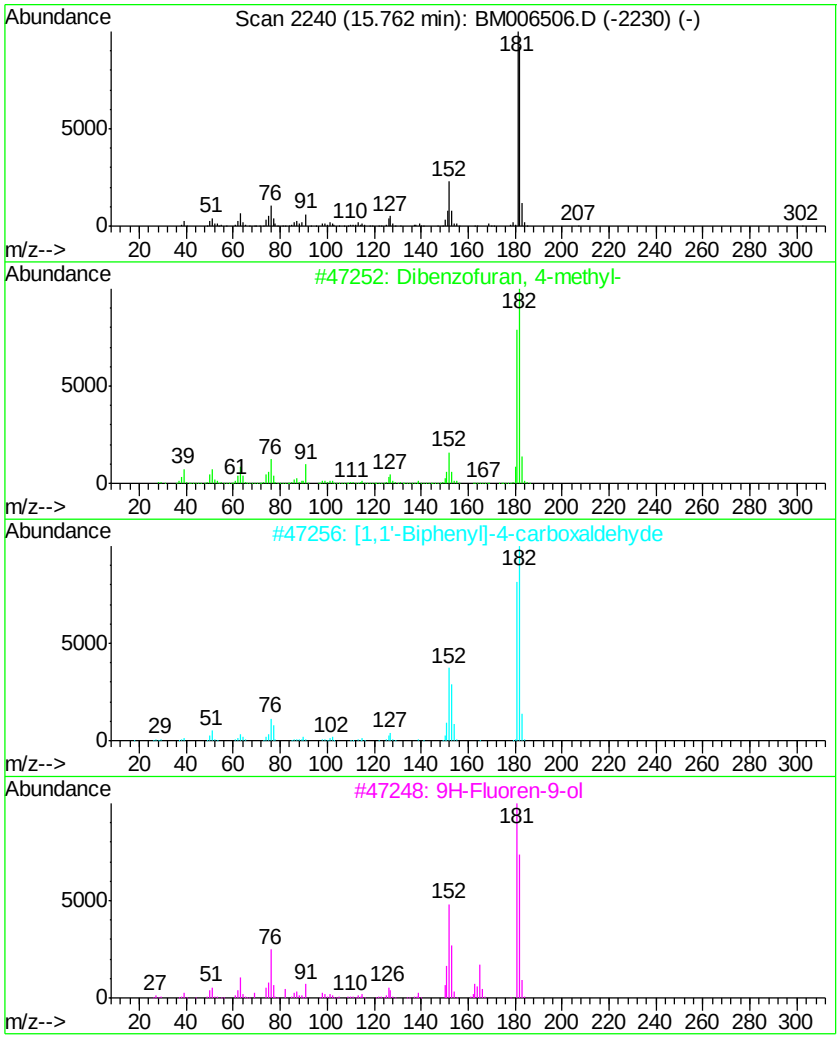
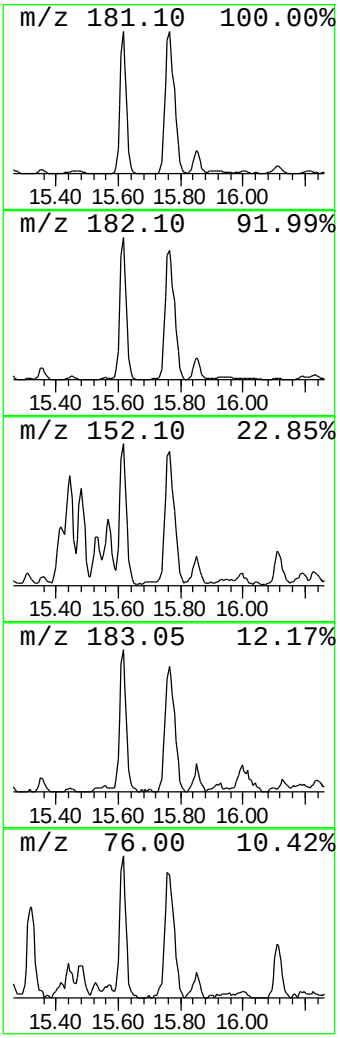
Peak Number 11 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	14.72 ng/ul	1241580	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86





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Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

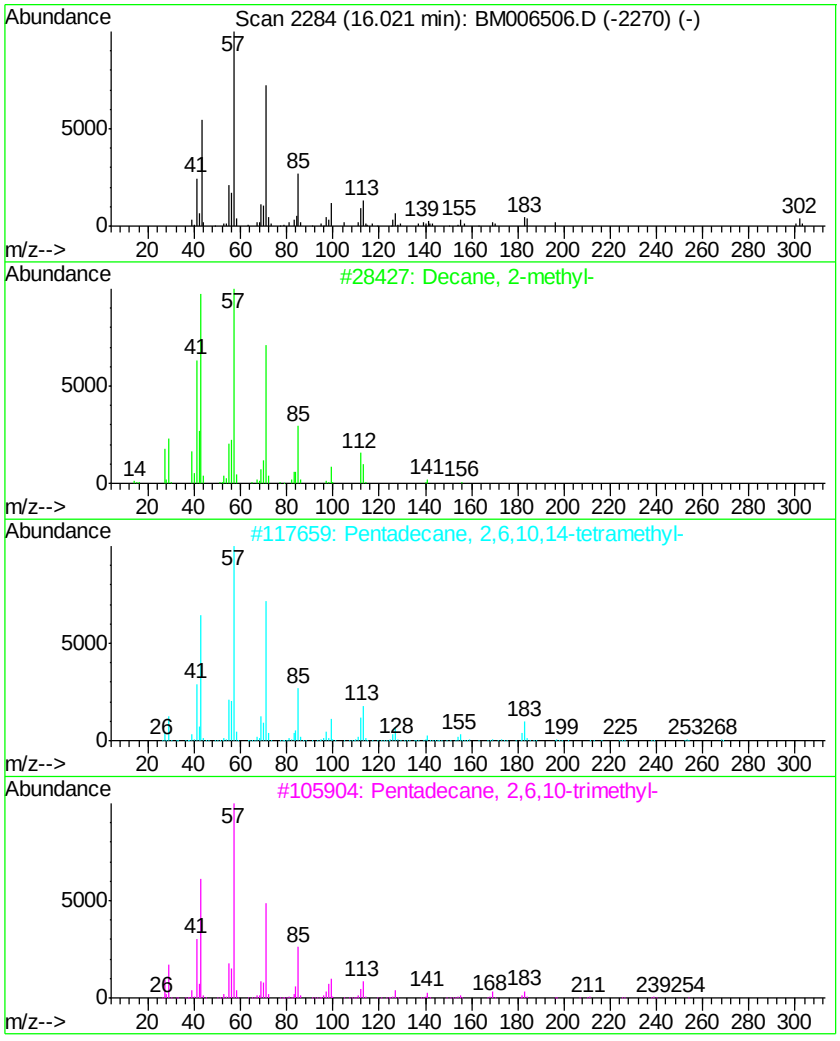
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

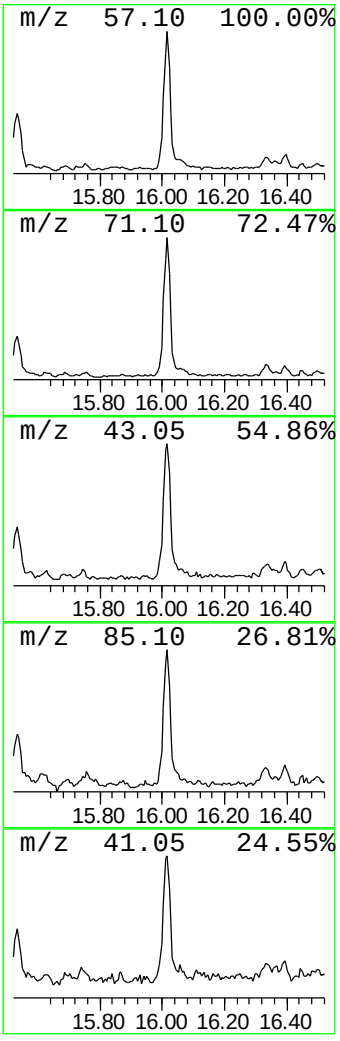
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	5.10 ng/ul	430022	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	87
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
4	Tridecane, 4-methyl-	198	C14H30	026730-12-1	81
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80





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Acq On : 17 Jul 2016 08:45
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Sample : H3959-03 10X
Misc :
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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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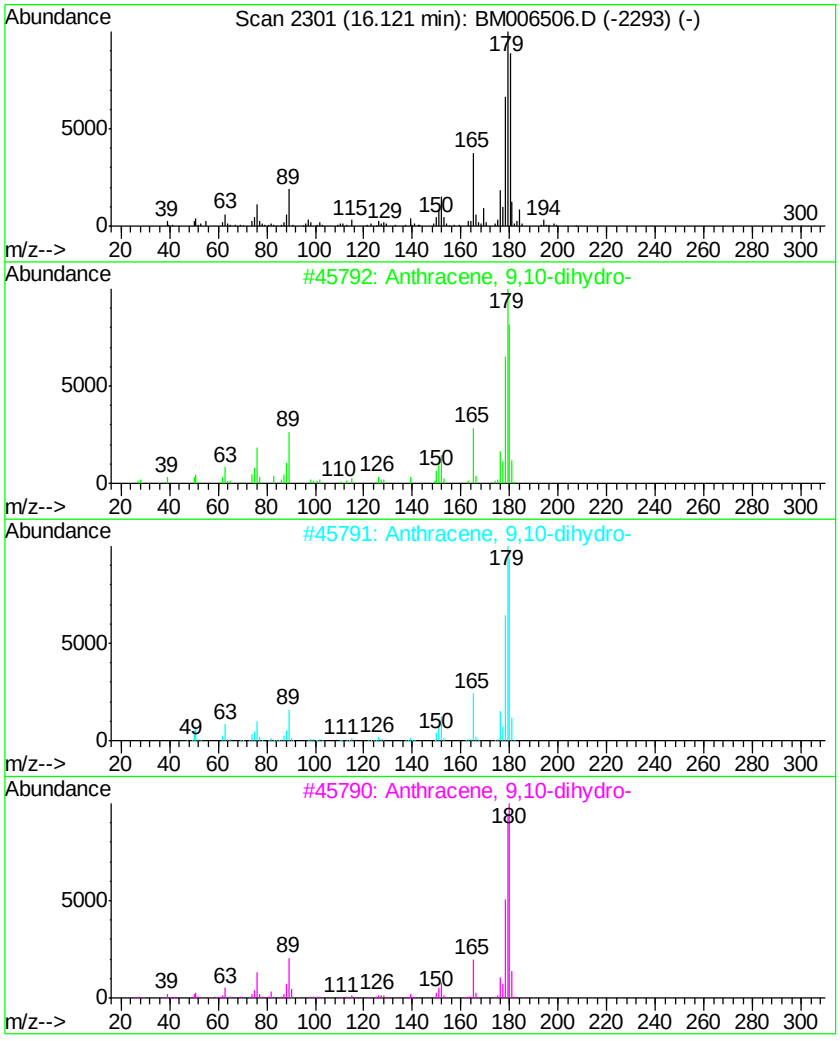
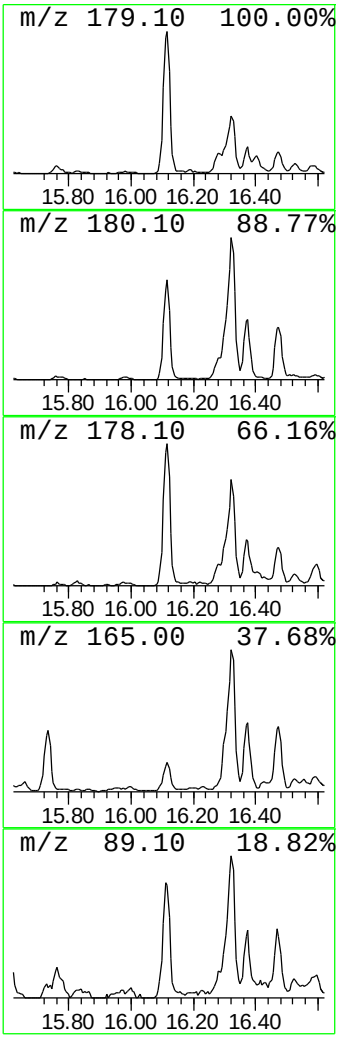
Peak Number 13 Anthracene, 9,10-dihydro- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	5.56 ng/ul	468697	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	95
4	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	94
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	93





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Sample : H3959-03 10X
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Quant Title : SVOA CALIBRATION

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

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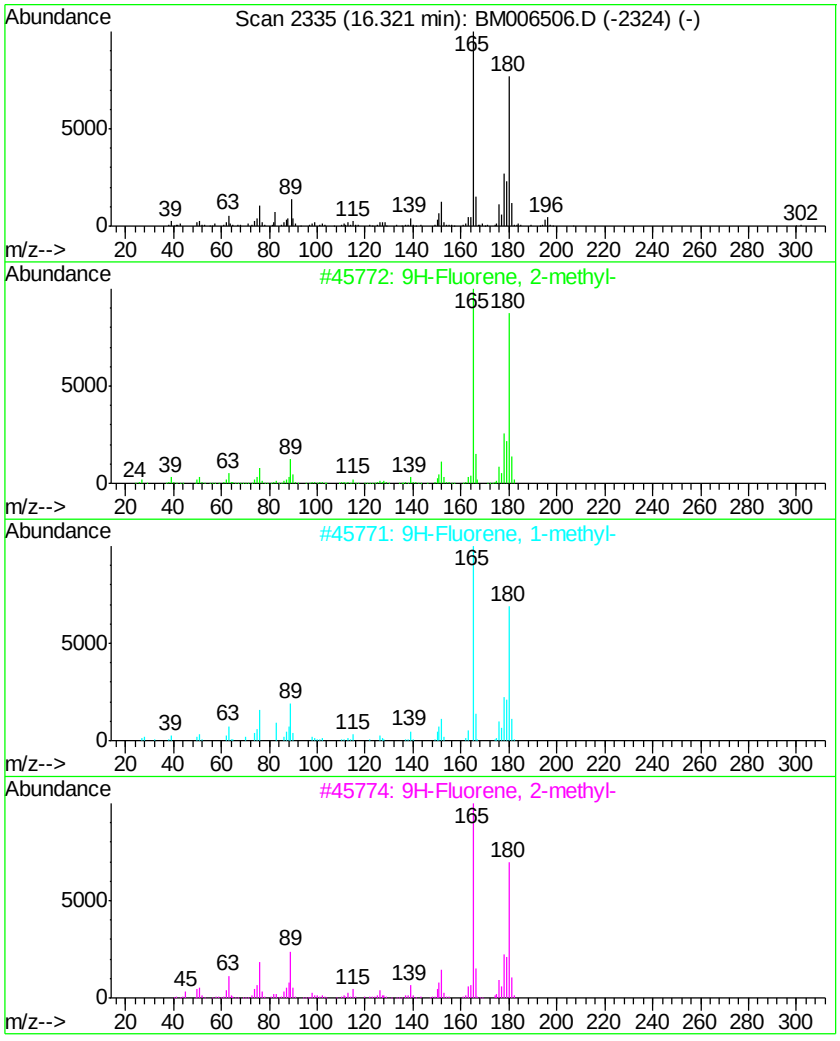
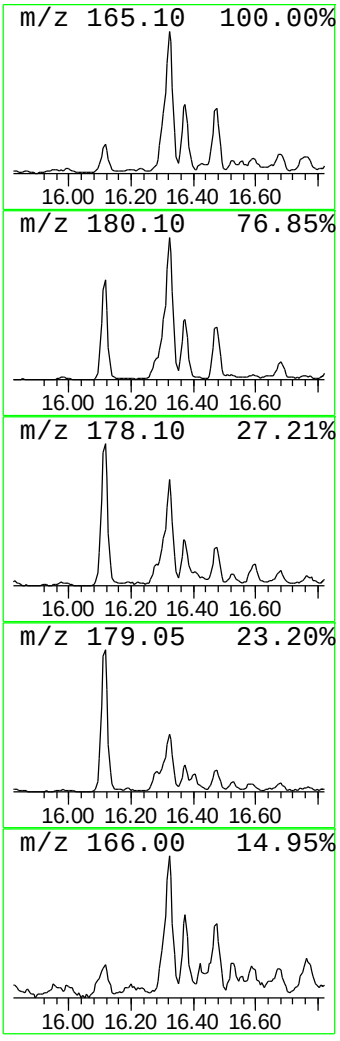
Peak Number 14 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	11.02 ng/ul	929344	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	90





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Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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Quant Title : SVOA CALIBRATION

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

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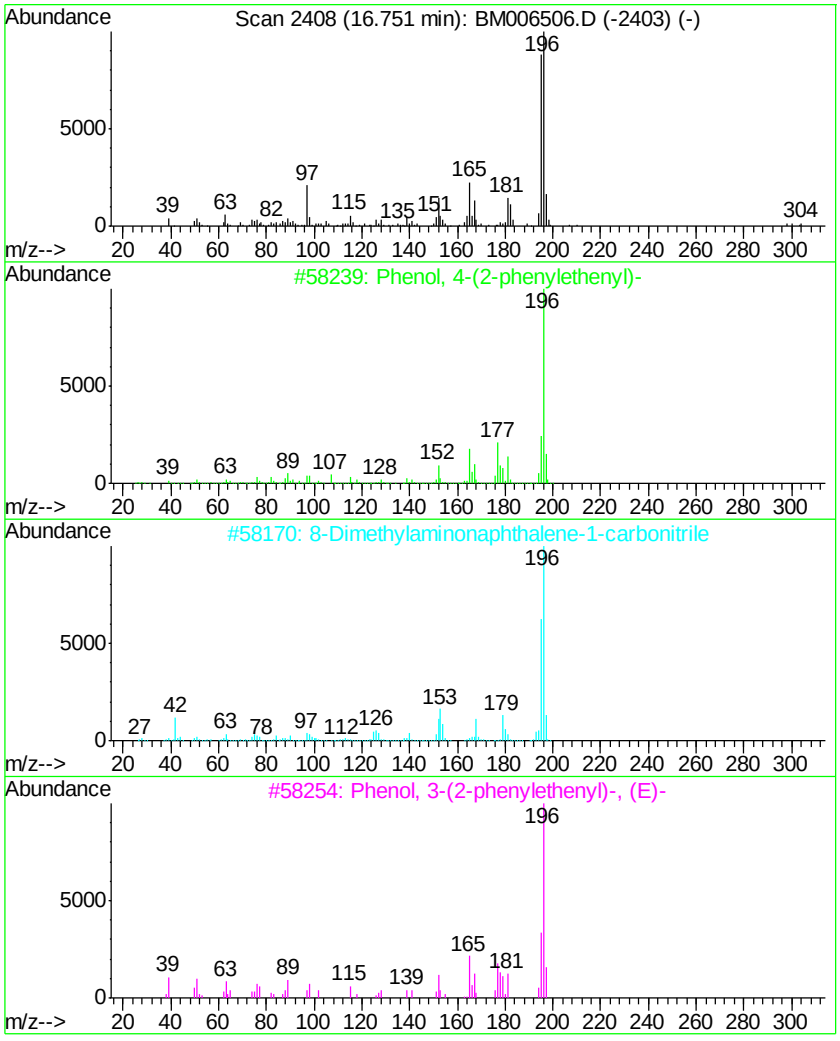
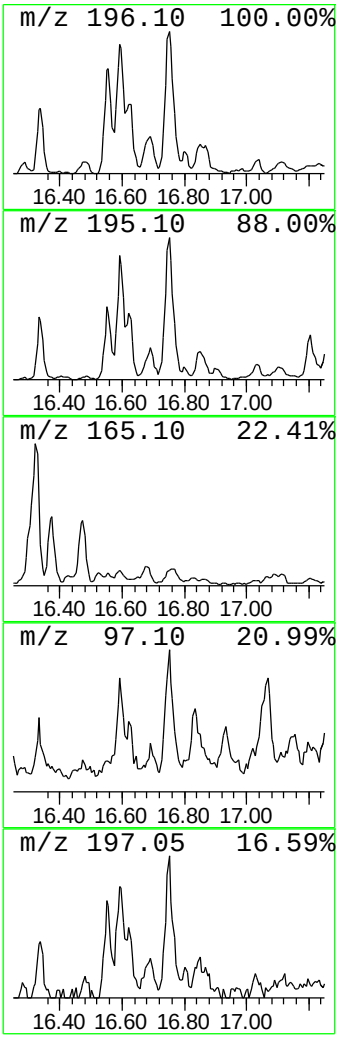
Peak Number 15 Phenol, 4-(2-phenylethenyl)- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	5.00 ng/ul	421963	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	64
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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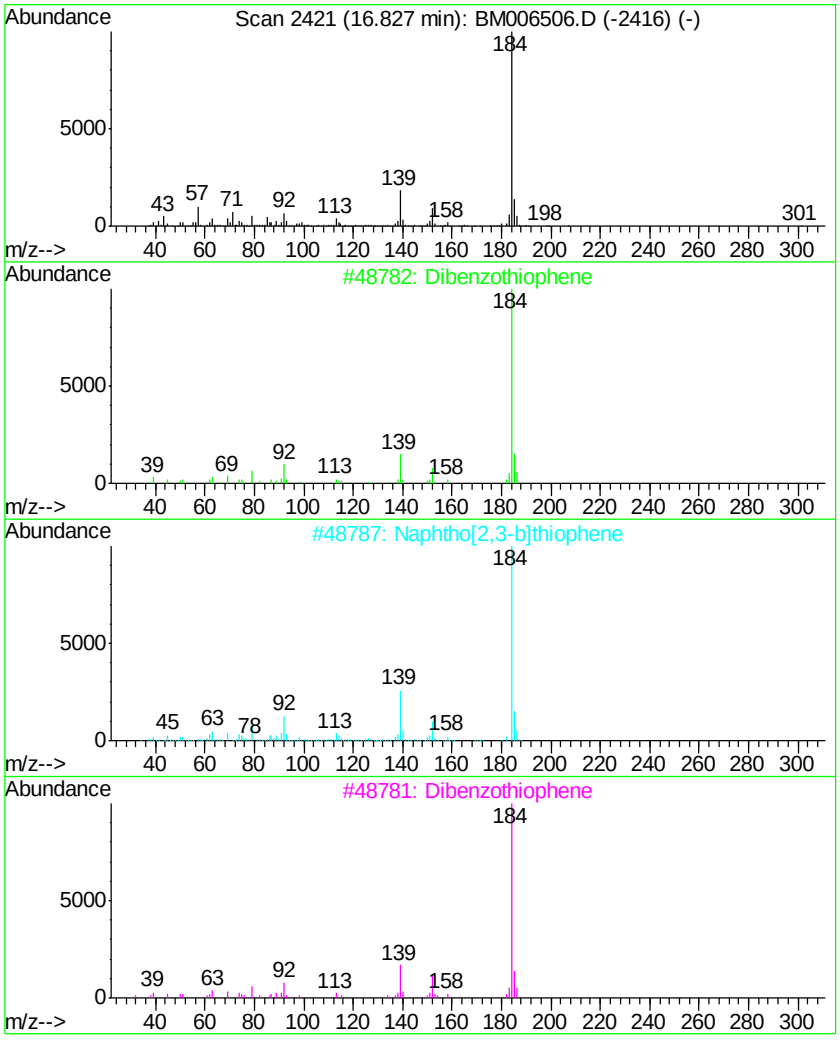
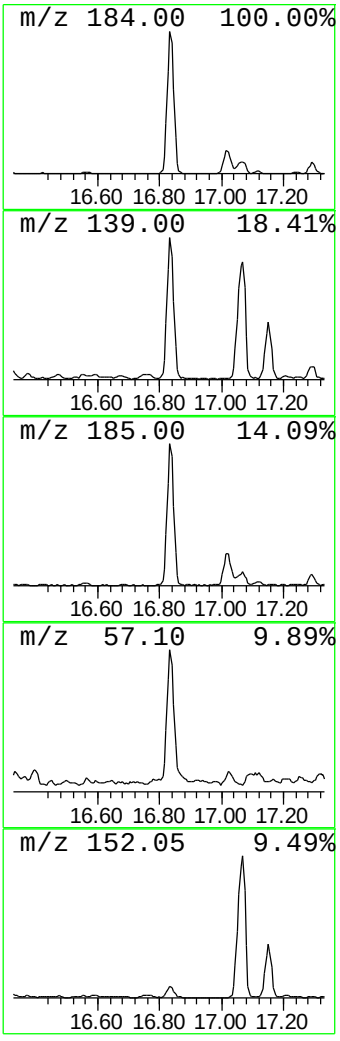
Peak Number 16 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	19.42 ng/ul	1637740	Phenanthrene-d10	17.02

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





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Quant Title : SVOA CALIBRATION

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

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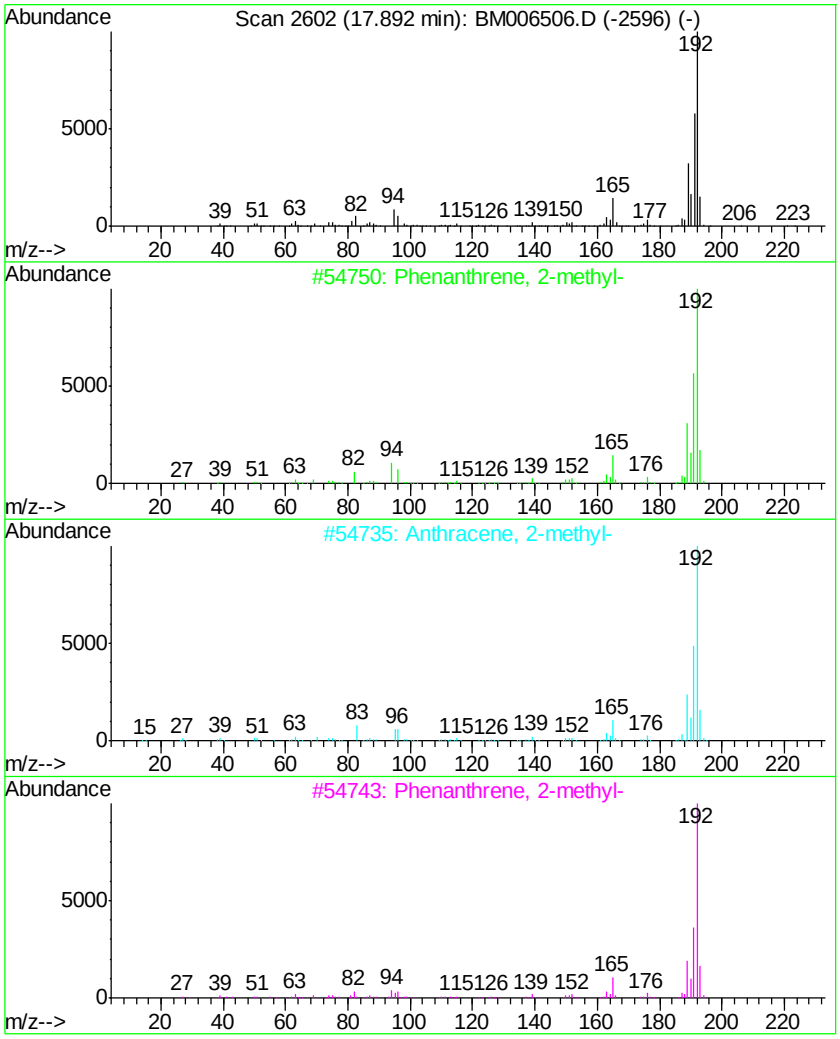
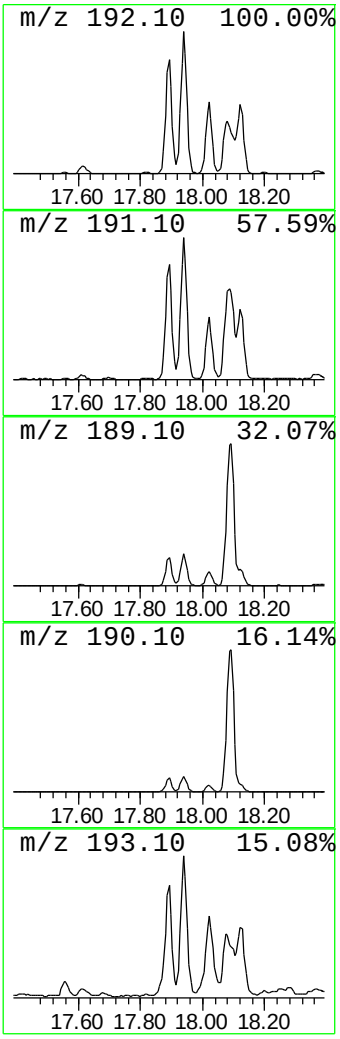
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	16.56 ng/ul	1397030	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Misc :
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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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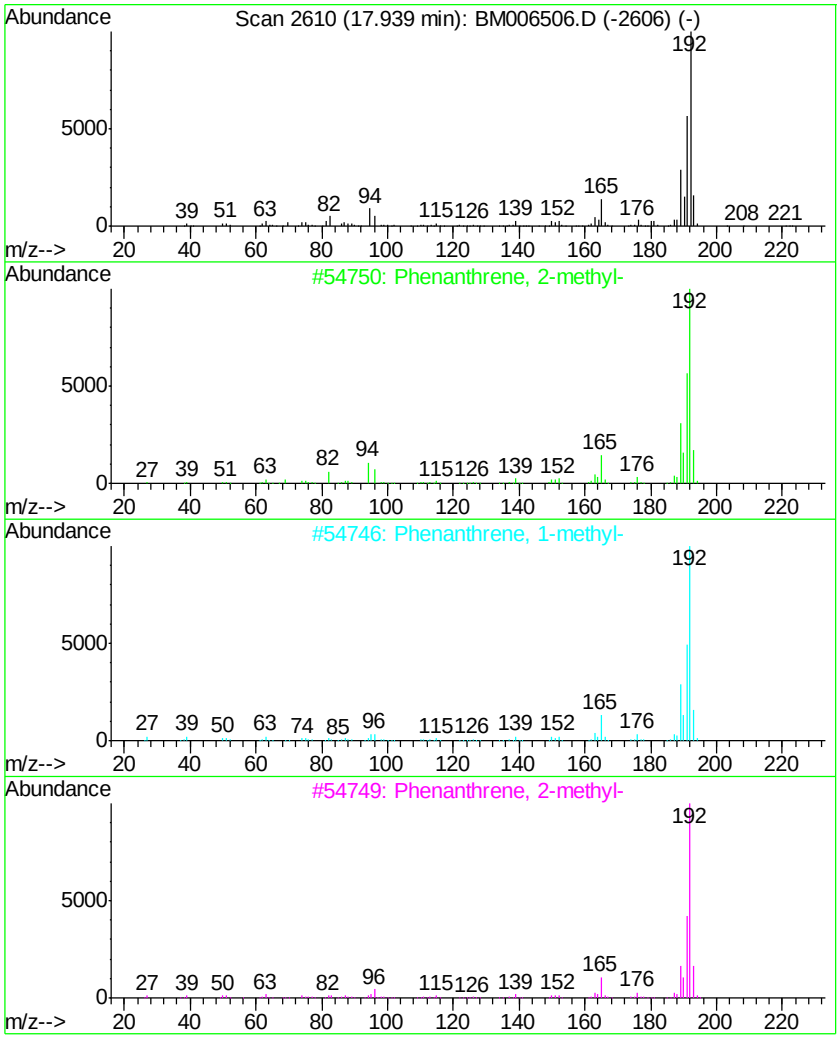
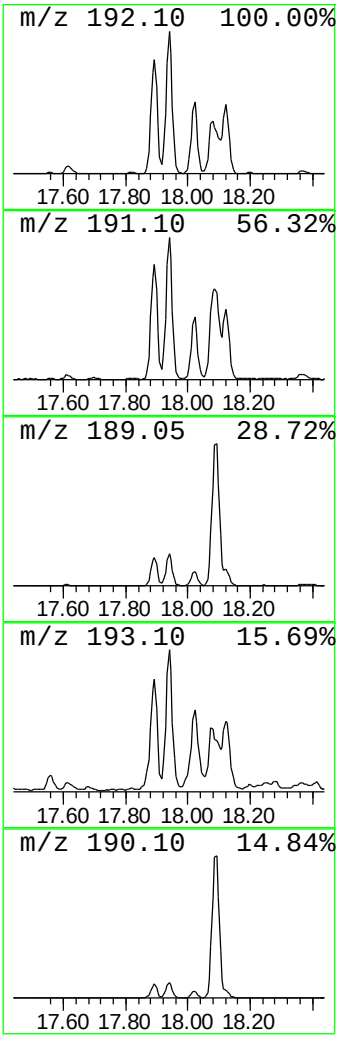
Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	21.19 ng/ul	1787330	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, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96





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Quant Title : SVOA CALIBRATION

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

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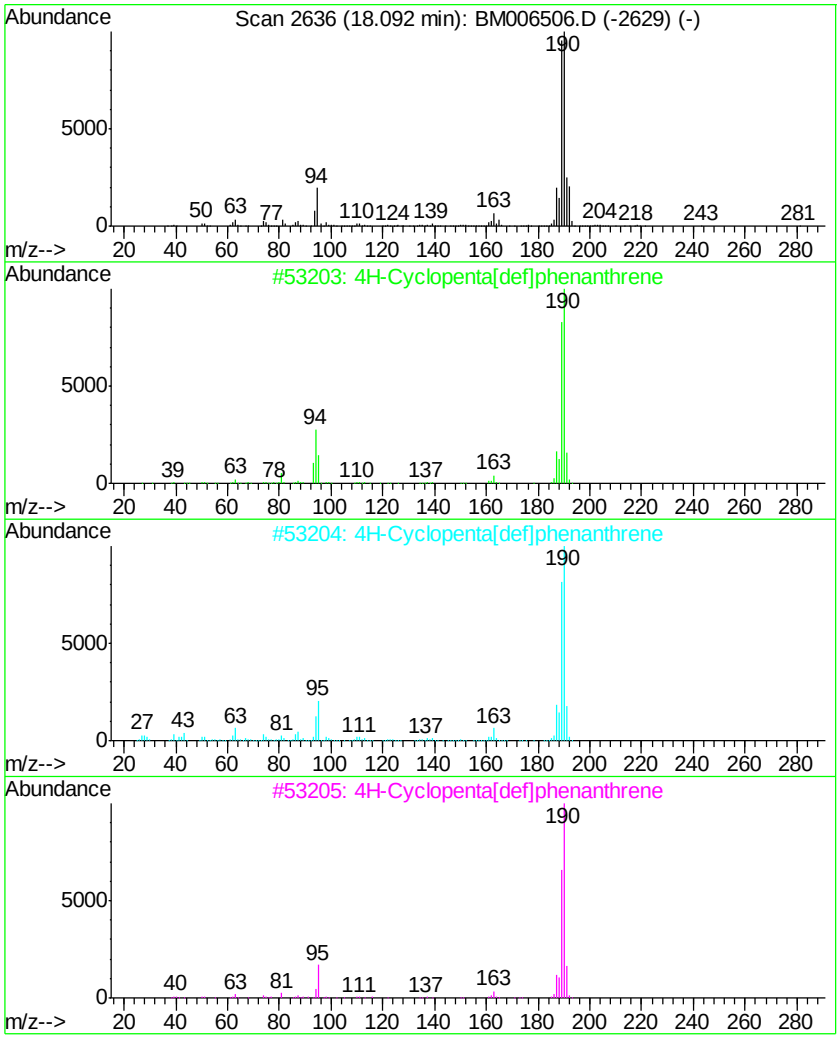
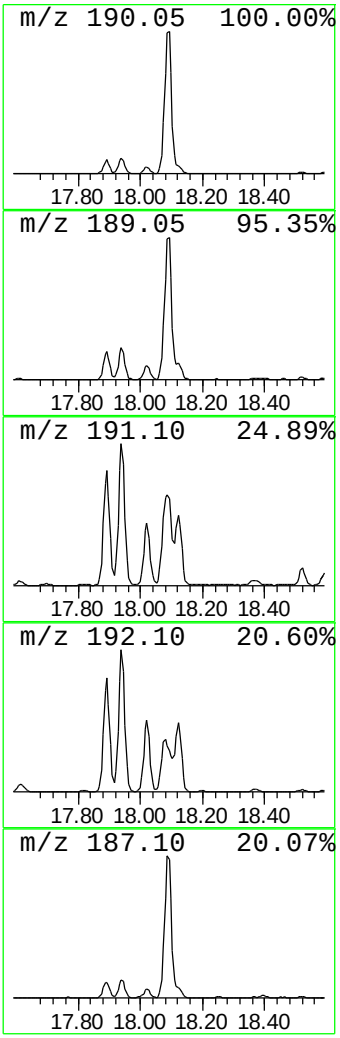
Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	41.50 ng/ul	3500570	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	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Methyl diselenide	190	C2H6Se2	007101-31-7	55





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Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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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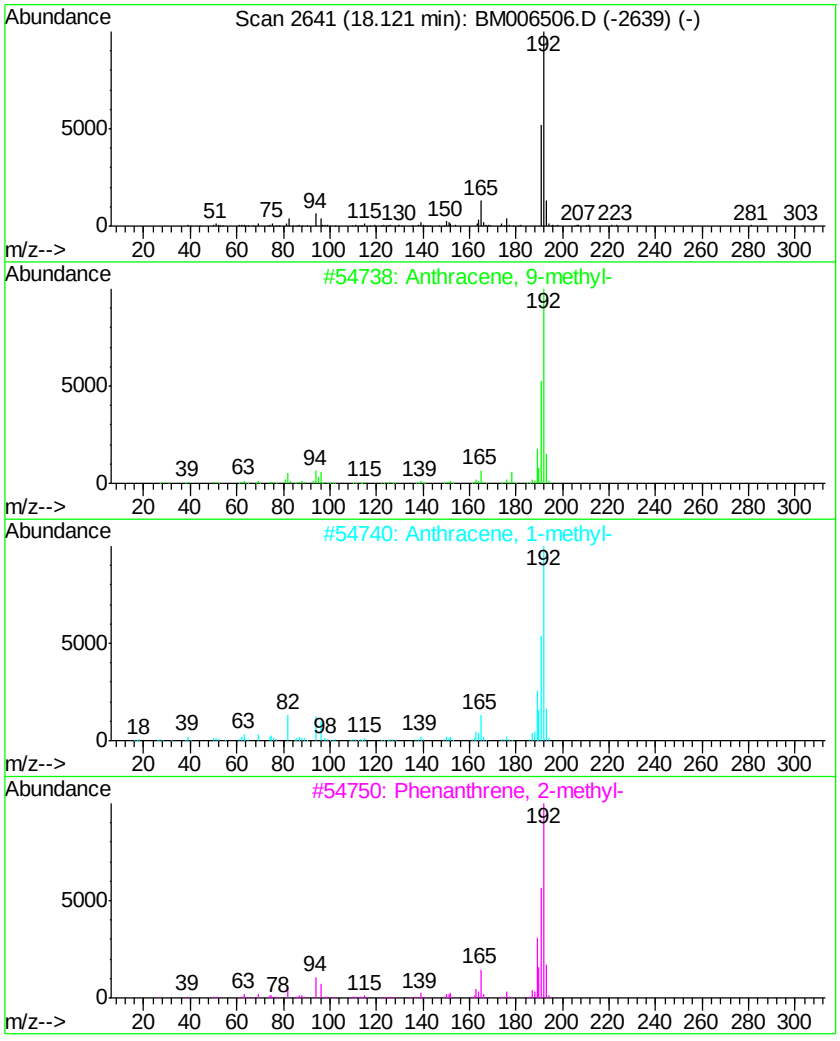
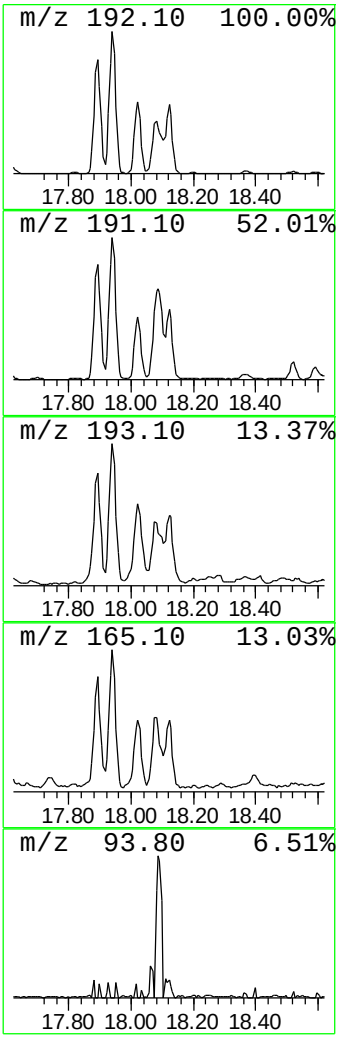
Peak Number 21 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	8.53 ng/ul	719456	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Data File : BM006506.D
Acq On : 17 Jul 2016 08:45
Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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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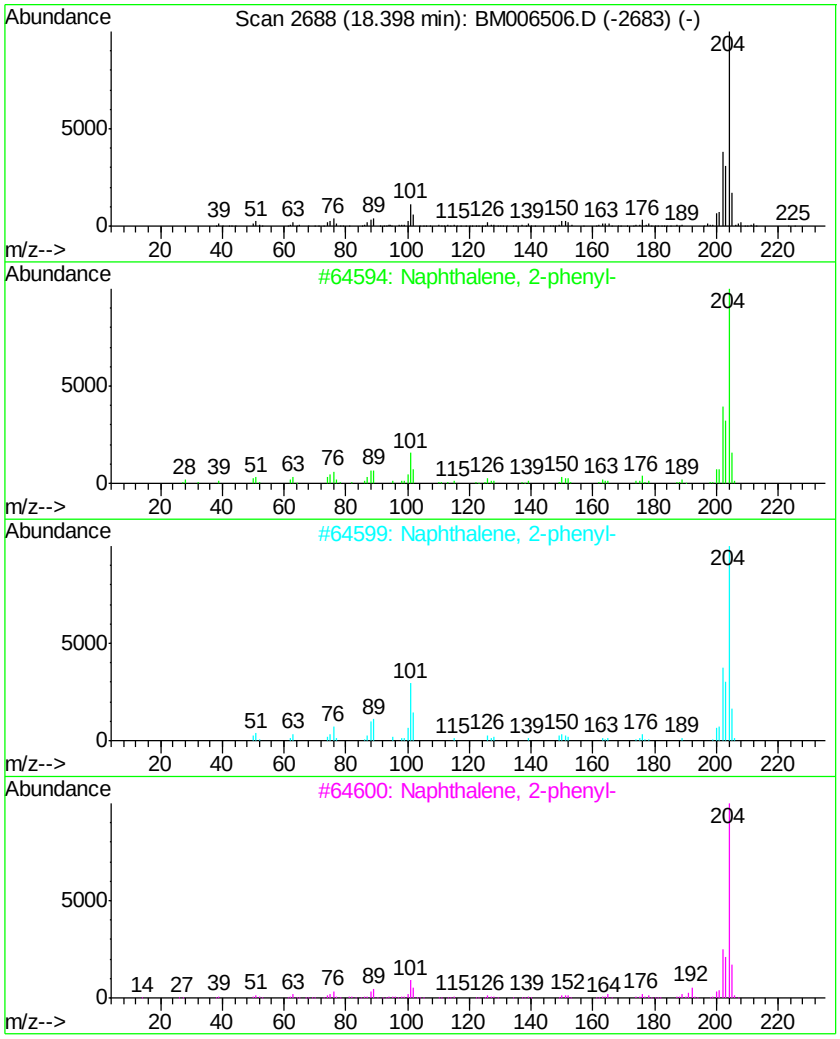
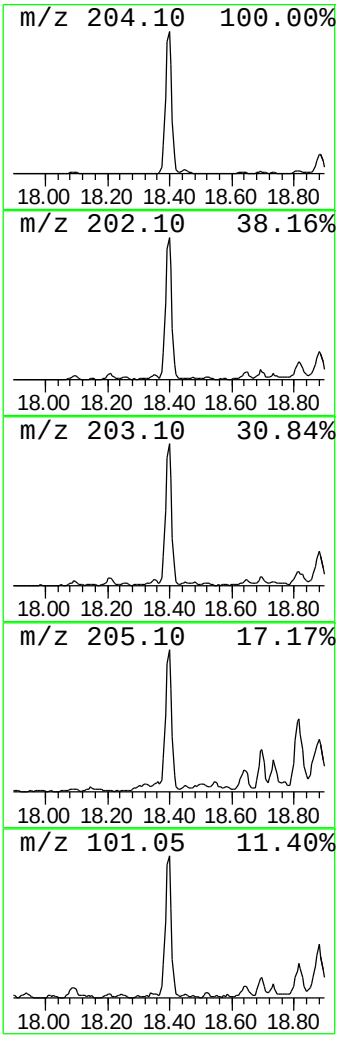
Peak Number 22 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	12.68 ng/ul	1069390	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Sample : H3959-03 10X
Misc :
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Instrument : BNA_M
ClientSampleId : BDJ22

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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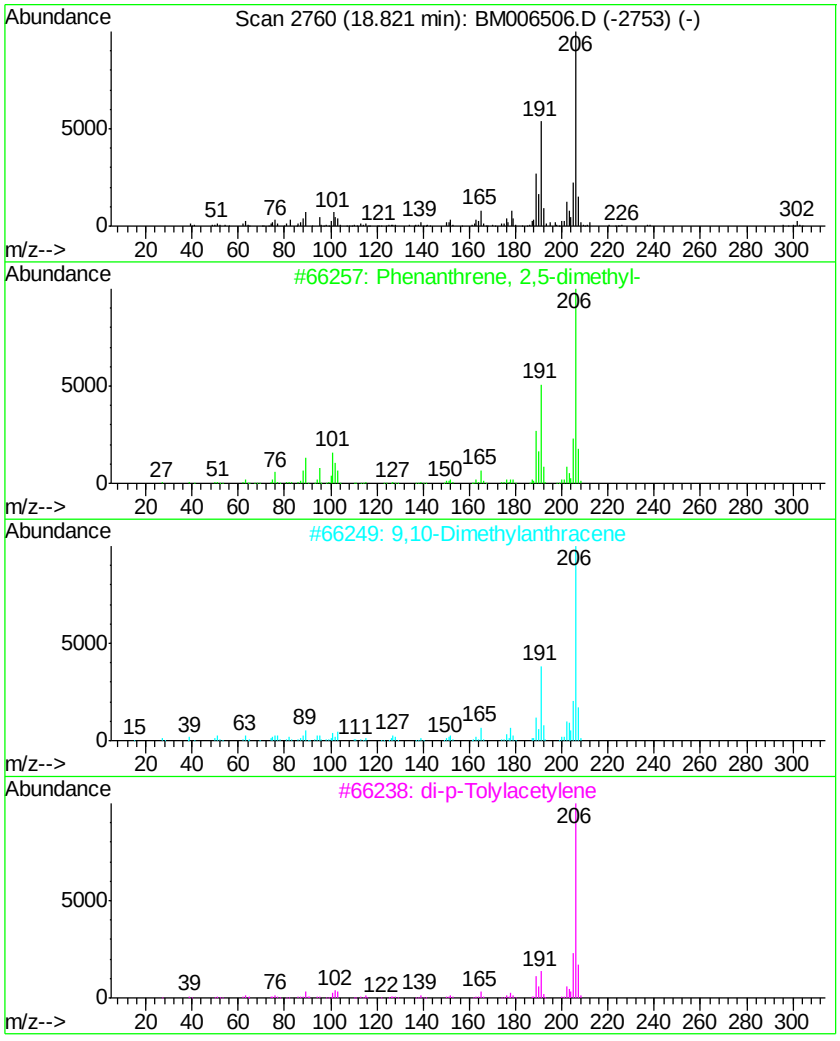
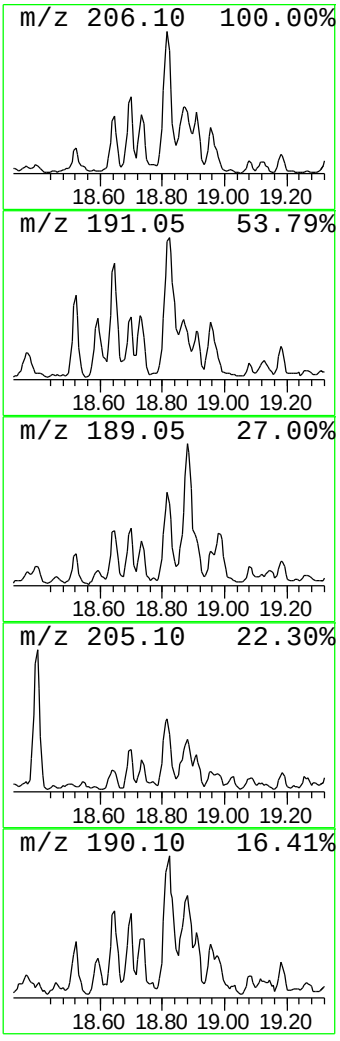
Peak Number 23 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	8.26 ng/ul	696760	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	89





Library Search Compound Report

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Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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Quant Title : SVOA CALIBRATION

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

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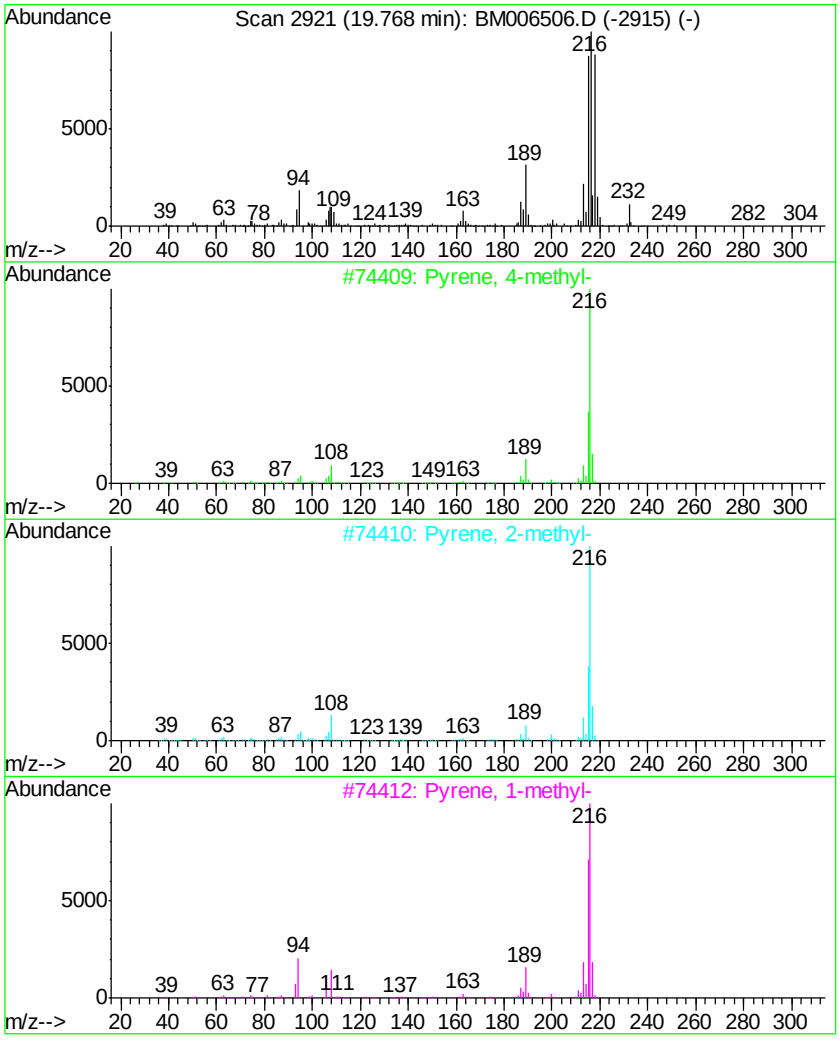
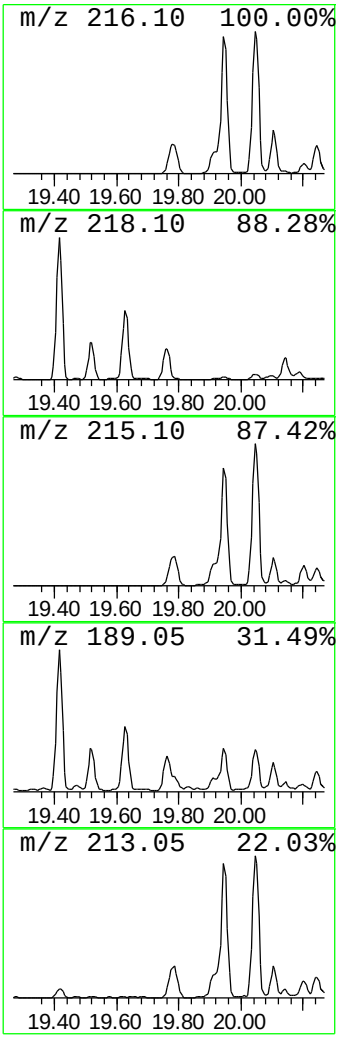
Peak Number 24 Pyrene, 4-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.74 ng/ul	1288260	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64





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Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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Quant Title : SVOA CALIBRATION

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

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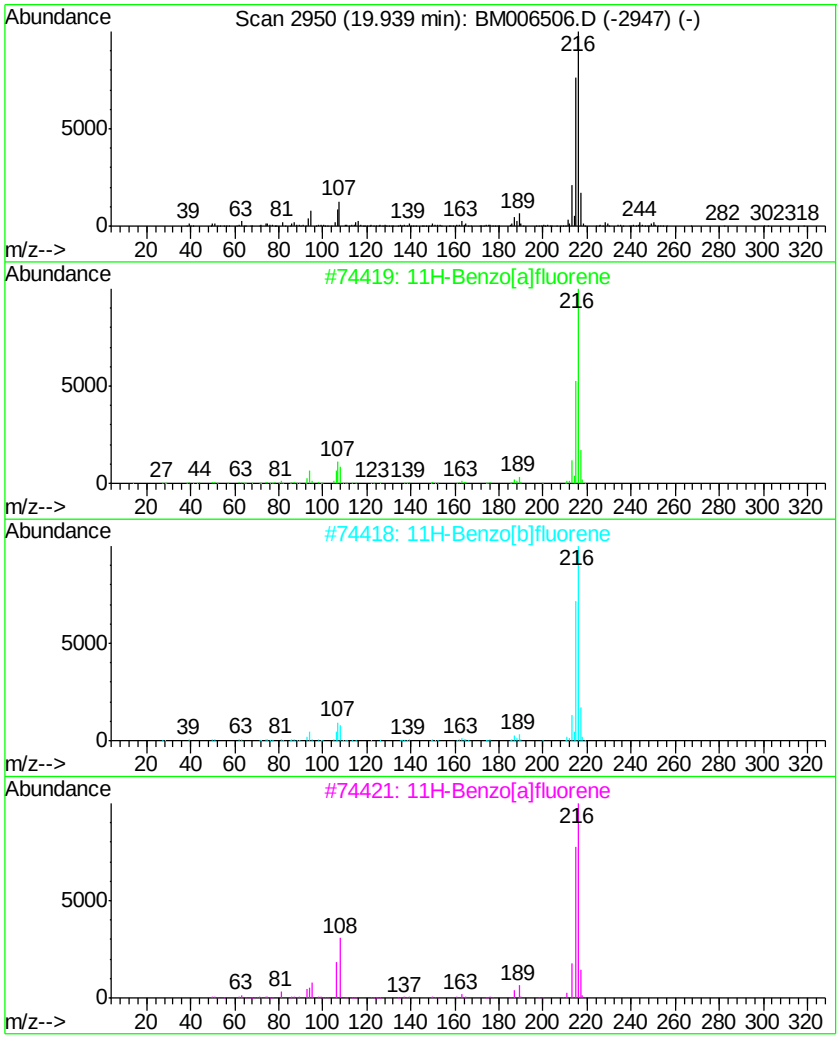
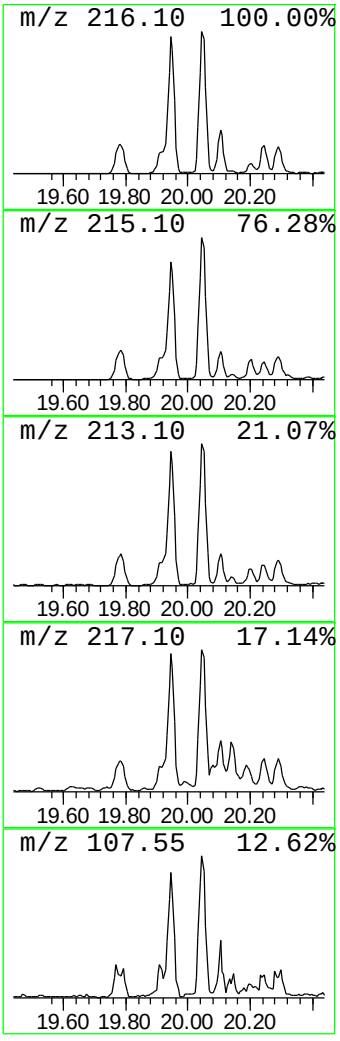
Peak Number 25 11H-Benzo[a]fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	6.01 ng/ul	2827850	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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Quant Title : SVOA CALIBRATION

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

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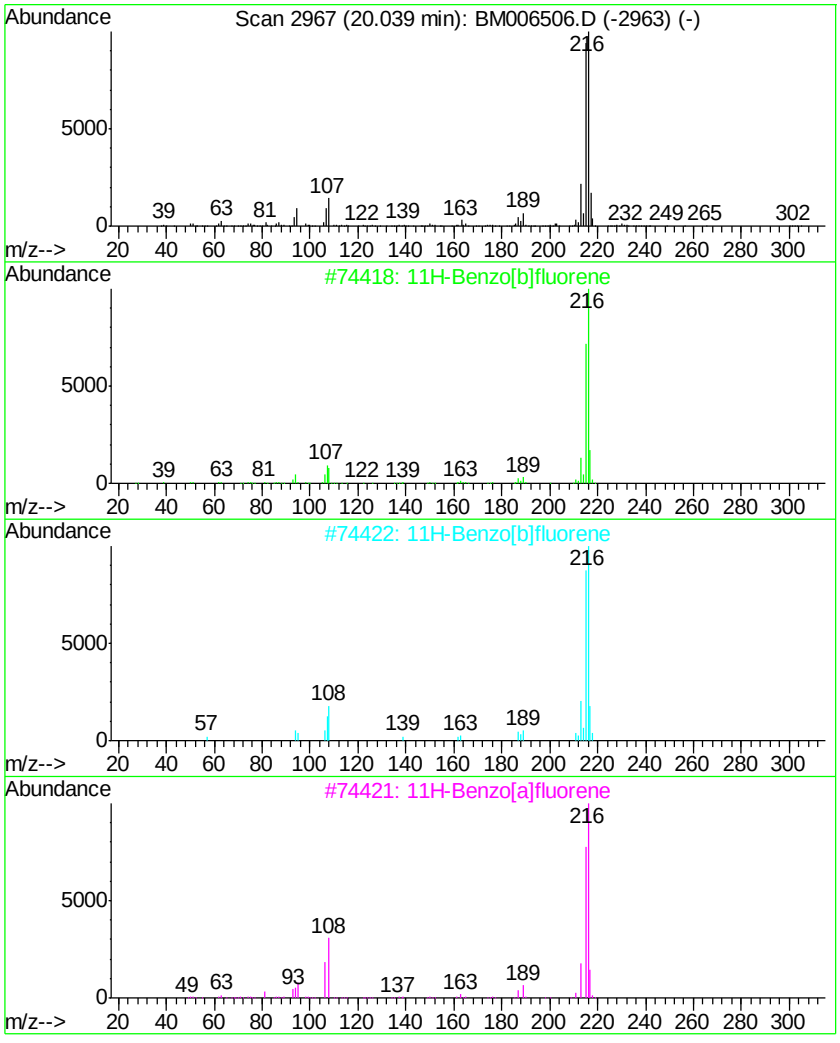
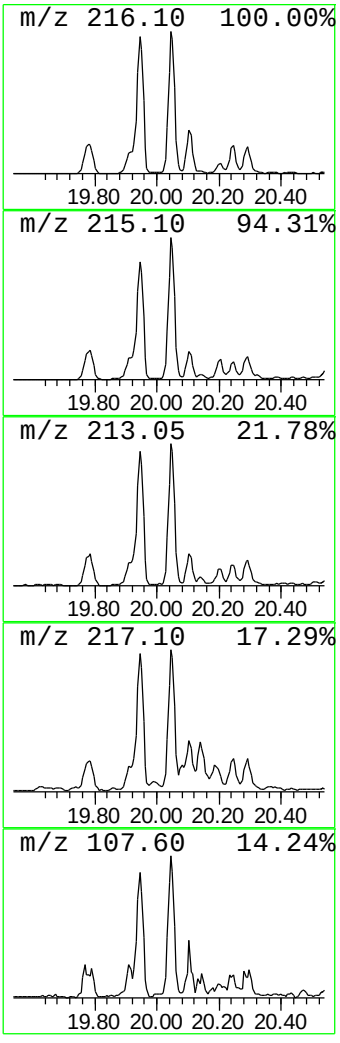
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	6.25 ng/ul	2942840	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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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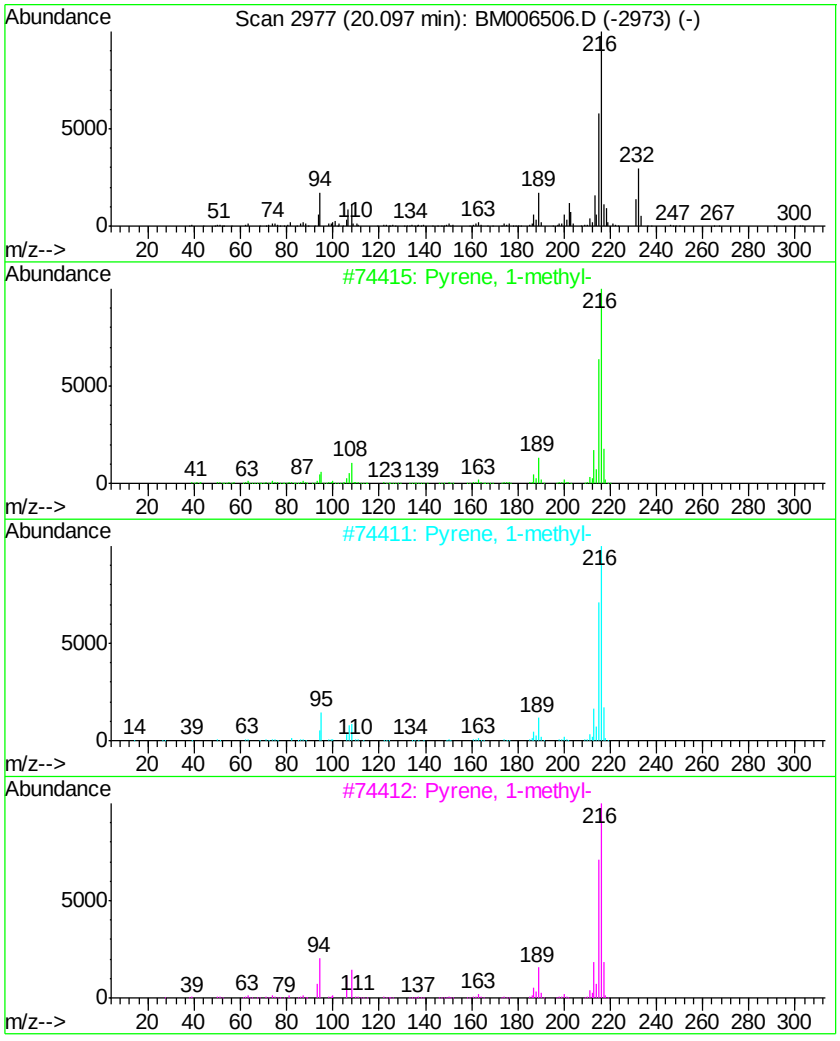
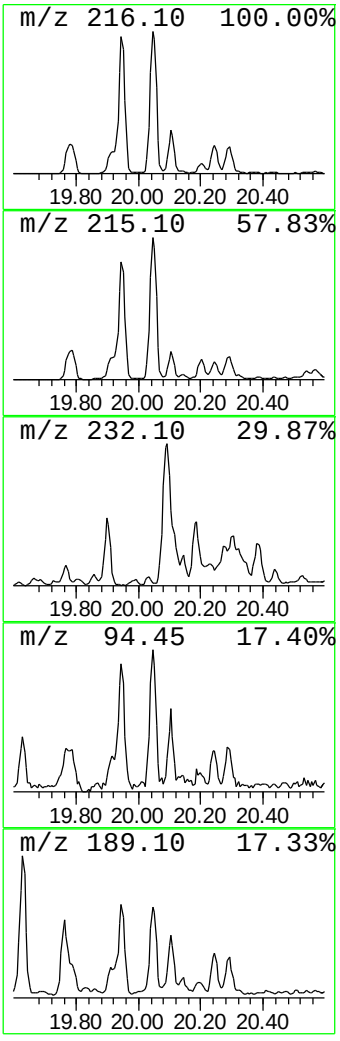
Peak Number 27 Pyrene, 1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.40 ng/ul	1131190	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	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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Acq On : 17 Jul 2016 08:45
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Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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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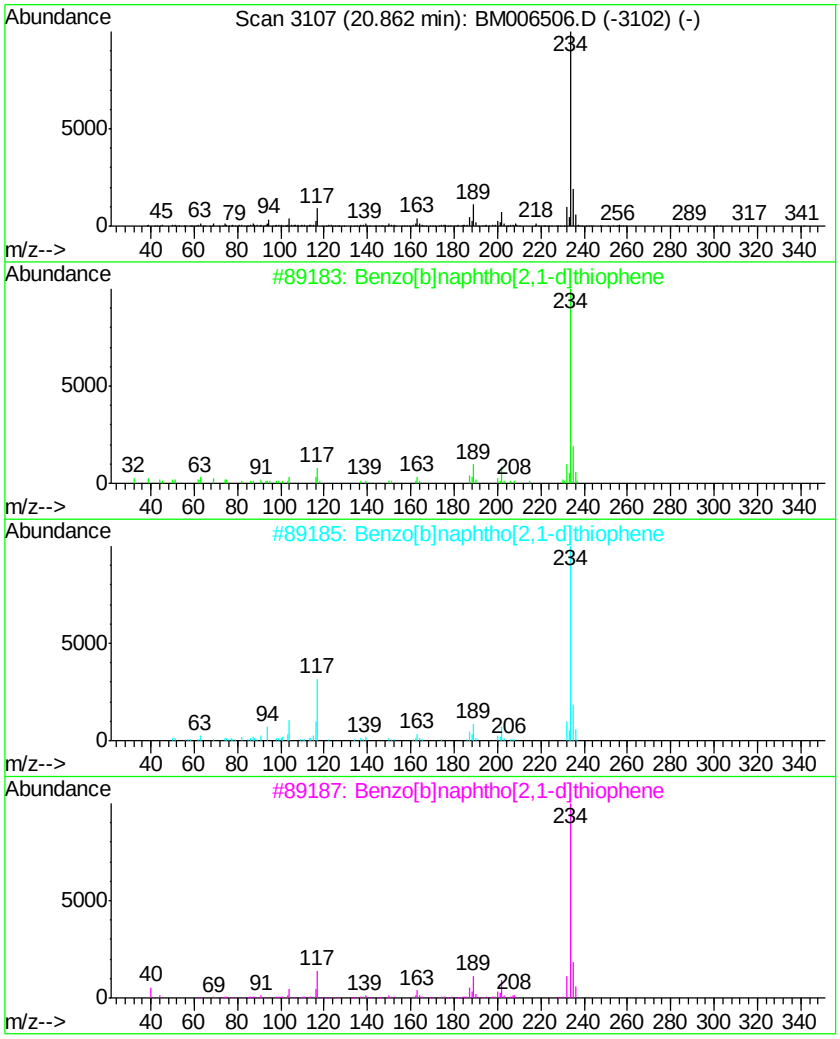
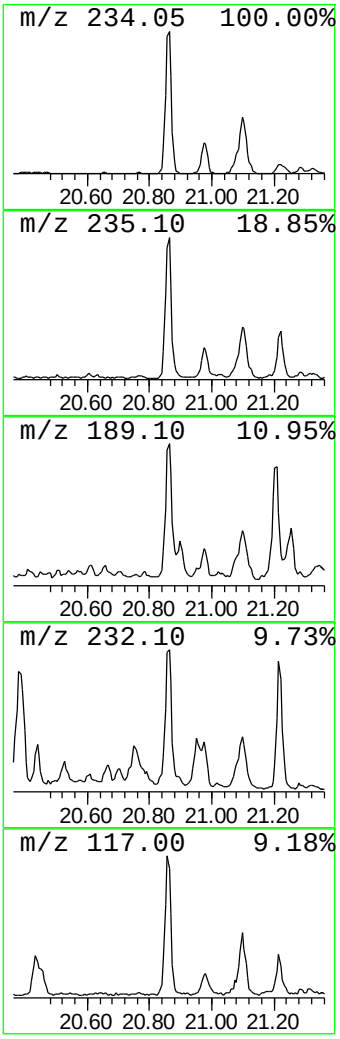
Peak Number 28 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	2.01 ng/ul	947941	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95





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Acq On : 17 Jul 2016 08:45
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Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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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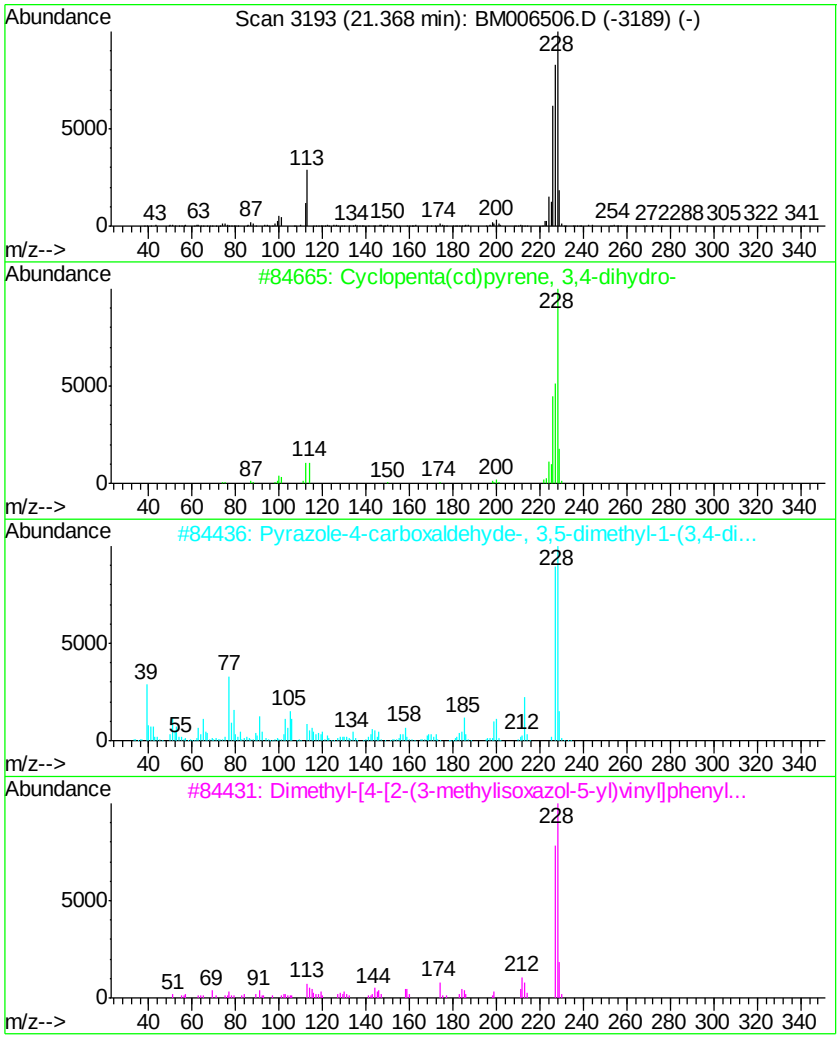
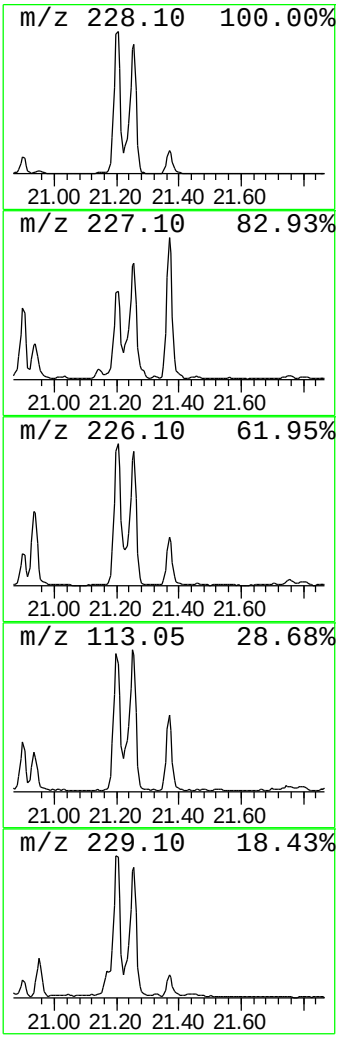
Peak Number 29 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.83 ng/ul	1333380	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	91
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49





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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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Quant Title : SVOA CALIBRATION

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

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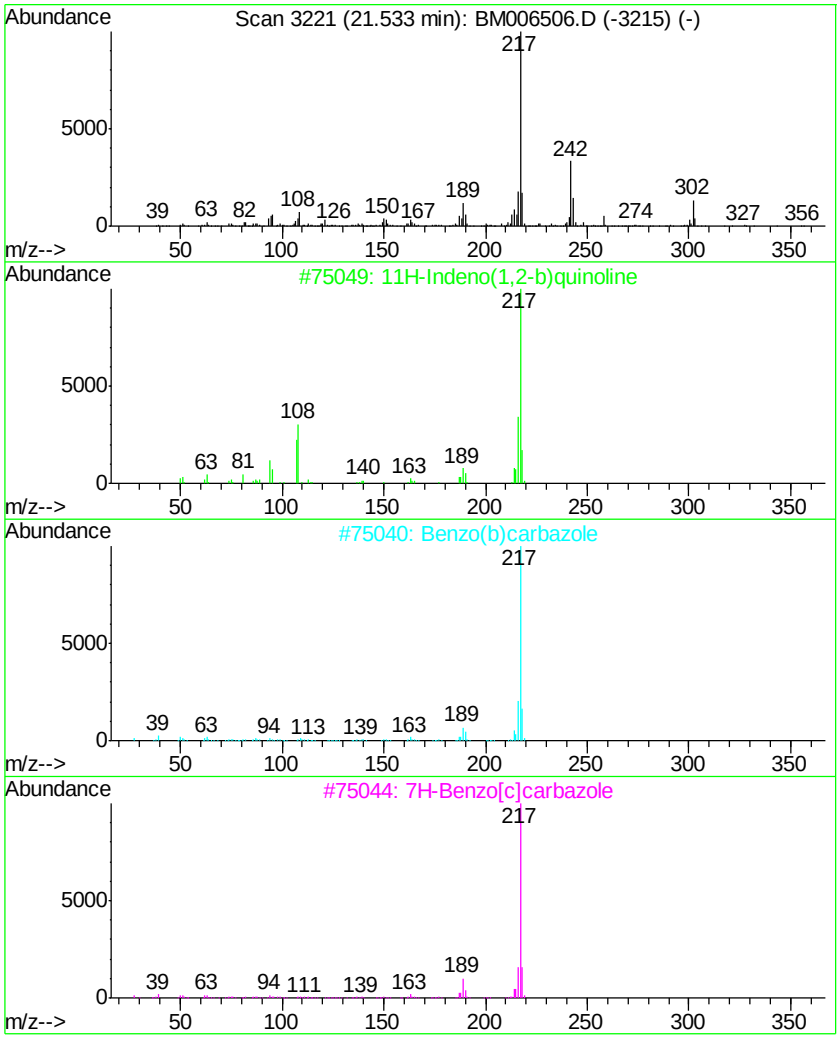
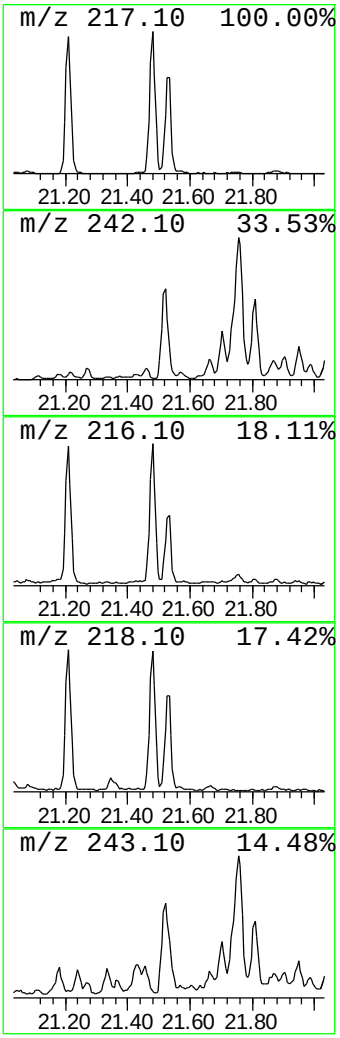
Peak Number 30 11H-Indeno(1,2-b)quinoline Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	2.06 ng/ul	969849	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	70
2	Benzo(b)carbazole	217	C16H11N	000243-28-7	55
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	55
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	55
5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	53





Tentatively Identified Compound (LSC) summary

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Data File : BM006506.D
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Operator : UM/SJ
Sample : H3959-03 10X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ22

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	31.5	ng/ul	1261270	1	7.62	800416	20.0
Naphthalene, 1-et...	13.29	9.5	ng/ul	946024	3	14.27	1983020	20.0
Naphthalene, 1,6-...	13.43	8.2	ng/ul	817231	3	14.27	1983020	20.0
Naphthalene, 2,3-...	13.58	11.7	ng/ul	1158640	3	14.27	1983020	20.0
1-Isopropenylnaph...	15.44	4.5	ng/ul	442879	3	14.27	1983020	20.0
Diphenylmethane	15.48	6.3	ng/ul	627726	3	14.27	1983020	20.0
1,1-Diphenyl-2-pr...	15.57	4.3	ng/ul	428089	3	14.27	1983020	20.0
Dibenzofuran, 4-m...	15.62	8.3	ng/ul	822481	3	14.27	1983020	20.0
[1,1'-Biphenyl]-4...	15.76	14.7	ng/ul	1241580	4	17.02	1686970	20.0
(DEL) Alkane: Str...	16.02	5.1	ng/ul	430022	4	17.02	1686970	20.0
Anthracene, 9,10-...	16.12	5.6	ng/ul	468697	4	17.02	1686970	20.0
9H-Fluorene, 2-me...	16.32	11.0	ng/ul	929344	4	17.02	1686970	20.0
Phenol, 4-(2-phen...	16.75	5.0	ng/ul	421963	4	17.02	1686970	20.0
Dibenzothiophene	16.83	19.4	ng/ul	1637740	4	17.02	1686970	20.0
Phenanthrene, 2-m...	17.89	16.6	ng/ul	1397030	4	17.02	1686970	20.0
Phenanthrene, 1-m...	17.94	21.2	ng/ul	1787330	4	17.02	1686970	20.0
4H-Cyclopenta[def...	18.09	41.5	ng/ul	3500570	4	17.02	1686970	20.0
Anthracene, 9-met...	18.12	8.5	ng/ul	719456	4	17.02	1686970	20.0
Naphthalene, 2-ph...	18.40	12.7	ng/ul	1069390	4	17.02	1686970	20.0
Phenanthrene, 2,5...	18.82	8.3	ng/ul	696760	4	17.02	1686970	20.0
Pyrene, 4-methyl-	19.77	2.7	ng/ul	1288260	5	21.22	9417860	20.0
11H-Benzo[a]fluorene	19.94	6.0	ng/ul	2827850	5	21.22	9417860	20.0
11H-Benzo[b]fluorene	20.04	6.3	ng/ul	2942840	5	21.22	9417860	20.0
Pyrene, 1-methyl-	20.10	2.4	ng/ul	1131190	5	21.22	9417860	20.0
Benzo[b]naphtho[2...	20.86	2.0	ng/ul	947941	5	21.22	9417860	20.0
Cyclopenta(cd)pyr...	21.37	2.8	ng/ul	1333380	5	21.22	9417860	20.0
11H-Indeno(1,2-b)...	21.53	2.1	ng/ul	969849	5	21.22	9417860	20.0