LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.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	2.810	16	21	25	rVV	67287	98603	4.62%	0.339%
2	2.881	29	33	51	rVB	1541765	1847880	86.60%	6.348%
3	4.787	351	357	365	rBB2	60204	88368	4.14%	0.304%
4	6.828	698	704	713	rVB	70991	113124	5.30%	0.389%
5	6.998	728	733	739	rBV	51555	75767	3.55%	0.260%
6	7.192	760	766	774	rBB	73817	107106	5.02%	0.368%
7	7.663	838	846	852	rBB	213920	332784	15.60%	1.143%
8	8.369	960	966	973	rVB	84567	132538	6.21%	0.455%
9	8.822	1035	1043	1050	rBB	59119	95884	4.49%	0.329%
10	9.539	1159	1165	1175	rBB	45828	72847	3.41%	0.250%
11	10.075	1250	1256	1263	rVB	83380	135079	6.33%	0.464%
12	10.451	1308	1320	1325	rBV	277184	470598	22.06%	1.617%
13	10.504	1325	1329	1335	rVB	56834	93968	4.40%	0.323%
14	10.592	1335	1344	1352	rBV2	63559	121600	5.70%	0.418%
15	12.339	1635	1641	1648	rVB	30392	53515	2.51%	0.184%
16	13.727	1872	1877	1881	rVV	152111	217077	10.17%	0.746%
17	13.774	1881	1885	1893	rVB3	69065	136289	6.39%	0.468%
18	14.010	1920	1925	1927	rVV	165498	246540	11.55%	0.847%
19	14.039	1927	1930	1939	rVB	164228	243917	11.43%	0.838%
20	14.316	1967	1977	1983	rBV2	404720	653318	30.62%	2.244%
21	14.380	1983	1988	1996	rVV	156285	230995	10.83%	0.794%
22	14.515	2006	2011	2021	rVB5	51565	119270	5.59%	0.410%
23	14.715	2041	2045	2051	rVB2	50207	76160	3.57%	0.262%
24	14.933	2076	2082	2087	rBV2	59561	117114	5.49%	0.402%
25	15.104	2104	2111	2114	rBV4	34485	74495	3.49%	0.256%
26	15.310	2142	2146	2151	rBV	223978	298506	13.99%	1.025%
27	15.368	2151	2156	2161	rBV2	136349	198319	9.29%	0.681%
28	15.527	2179	2183	2187	rBV5	42751	58403	2.74%	0.201%
29	15.574	2187	2191	2195	rBV2	60414	86783	4.07%	0.298%
30	15.657	2203	2205	2215	rVB4	39769	83591	3.92%	0.287%
31	16.045	2266	2271	2279	rVB3	81668	145689	6.83%	0.500%
32	16.368	2319	2326	2330	rBV3	47381	111138	5.21%	0.382%
33	16.421	2330	2335	2340	rBV3	39339	70791	3.32%	0.243%
34	16.521	2349	2352	2357	rVB2	42830	64042	3.00%	0.220%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Title : SVOA CALIBRATION

35	16.880	2408	2413	2421	rVB3	55927	118382	5.55%	0.407%
36	17.062	2438	2444	2448	rBV2	510807	726217	34.04%	2.495%
37	17.104	2448	2451	2455	rVV	140912	193474	9.07%	0.665%
38	17.162	2456	2461	2464	rVV2	243687	377182	17.68%	1.296%
39	17.192	2464	2466	2471	rVB	108627	133892	6.28%	0.460%
40	17.251	2471	2476	2482	rBV4	42561	103073	4.83%	0.354%
41	17.468	2511	2513	2521	rVB6	40106	62043	2.91%	0.213%
42	17.639	2539	2542	2548	rVB	59174	83579	3.92%	0.287%
43	17.780	2562	2566	2575	rVB3	33566	56843	2.66%	0.195%
44	17.939	2589	2593	2598	rBV2	86083	175375	8.22%	0.602%
45	17.980	2598	2600	2608	rVB	61559	90362	4.23%	0.310%
46	18.062	2609	2614	2620	rBV2	98127	168481	7.90%	0.579%
47	18.133	2620	2626	2630	rVV2	303255	527054	24.70%	1.811%
48	18.168	2630	2632	2638	rVB	91606	115212	5.40%	0.396%
49	18.333	2657	2660	2664	rVB2	38954	52672	2.47%	0.181%
50	18.439	2674	2678	2682	rBV2	94935	140453	6.58%	0.482%
51	18.656	2712	2715	2718	rBV2	35799	52603	2.47%	0.181%
52	18.692	2718	2721	2724	rVB	45587	51864	2.43%	0.178%
53	18.862	2745	2750	2754	rVV	138368	228315	10.70%	0.784%
54	19.003	2769	2774	2781	rBV3	82750	206823	9.69%	0.710%
55	19.127	2789	2795	2803	rBV	1143658	1534351	71.91%	5.271%
56	19.227	2809	2812	2816	rVV5	39862	56570	2.65%	0.194%
57	19.274	2816	2820	2824	rVV	115021	150604	7.06%	0.517%
58	19.462	2847	2852	2853	rBV2	406030	487770	22.86%	1.676%
59	19.492	2853	2857	2865	rVB	1371247	2017304	94.54%	6.930%
60	19.568	2865	2870	2875	rBV2	87664	145433	6.82%	0.500%
61	19.662	2883	2886	2893	rVB2	40995	78030	3.66%	0.268%
62	19.733	2894	2898	2902	rVB4	52954	80923	3.79%	0.278%
63	19.815	2907	2912	2920	rBV5	103453	256790	12.03%	0.882%
64	19.956	2931	2936	2937	rBV2	88018	133406	6.25%	0.458%
65	19.986	2937	2941	2948	rVB	257199	394171	18.47%	1.354%
66	20.086	2954	2958	2963	rBV	207745	266817	12.50%	0.917%
67	20.145	2963	2968	2972	rVB	187904	261723	12.27%	0.899%
68	20.245	2981	2985	2988	rBV3	48167	65271	3.06%	0.224%
69	20.286	2988	2992	2996	rBV	154449	191891	8.99%	0.659%
70	20.333	2996	3000	3004	rVB	149059	198600	9.31%	0.682%
71	20.580	3039	3042	3044	rBV2	44394	59308	2.78%	0.204%

LSC Area Percent Report

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Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Title : SVOA CALIBRATION

72	20.692	3058	3061	3064	rBV3	52002	82916	3.89%	0.285%
73	20.880	3089	3093	3094	rBV	43913	56091	2.63%	0.193%
74	20.903	3094	3097	3101	rVV	113046	143069	6.71%	0.491%
75	20.939	3101	3103	3106	rVV	94141	109695	5.14%	0.377%
76	20.980	3106	3110	3115	rVB3	131572	215096	10.08%	0.739%
77	21.250	3150	3156	3161	rBV2	1030432	2133734	100.00%	7.330%
78	21.292	3161	3163	3174	rVB	582322	731951	34.30%	2.514%
79	21.409	3180	3183	3189	rBV	135625	202398	9.49%	0.695%
80	21.574	3207	3211	3215	rVB2	59169	93911	4.40%	0.323%
81	21.803	3244	3250	3254	rVV	167914	318317	14.92%	1.093%
82	21.856	3256	3259	3264	rVB	90497	113573	5.32%	0.390%
83	21.956	3273	3276	3280	rVB3	80486	96053	4.50%	0.330%
84	21.997	3280	3283	3286	rVV	97109	132177	6.19%	0.454%
85	22.033	3286	3289	3295	rVB2	137263	190069	8.91%	0.653%
86	22.097	3296	3300	3309	rVB3	78740	162535	7.62%	0.558%
87	22.568	3376	3380	3384	rBV	51730	79888	3.74%	0.274%
88	22.815	3416	3422	3427	rBV	477094	1150191	53.91%	3.951%
89	22.986	3446	3451	3456	rVB	149323	254784	11.94%	0.875%
90	23.115	3469	3473	3480	rBV4	32440	83896	3.93%	0.288%
91	23.291	3497	3503	3507	rBV	359811	672273	31.51%	2.309%
92	23.338	3507	3511	3514	rVV2	194502	354381	16.61%	1.217%
93	23.386	3514	3519	3527	rVB	637580	1131690	53.04%	3.888%
94	23.480	3528	3535	3540	rBV2	497714	933704	43.76%	3.207%
95	23.527	3540	3543	3551	rVB2	177149	337520	15.82%	1.159%
96	24.344	3677	3682	3694	rVB	84387	212449	9.96%	0.730%
97	25.721	3907	3916	3926	rVB	299956	861664	40.38%	2.960%
98	25.979	3955	3960	3966	rVB2	53299	120095	5.63%	0.413%
99	26.409	4024	4033	4050	rVB2	222515	700998	32.85%	2.408%
100	26.768	4085	4094	4109	rVB3	87562	320573	15.02%	1.101%

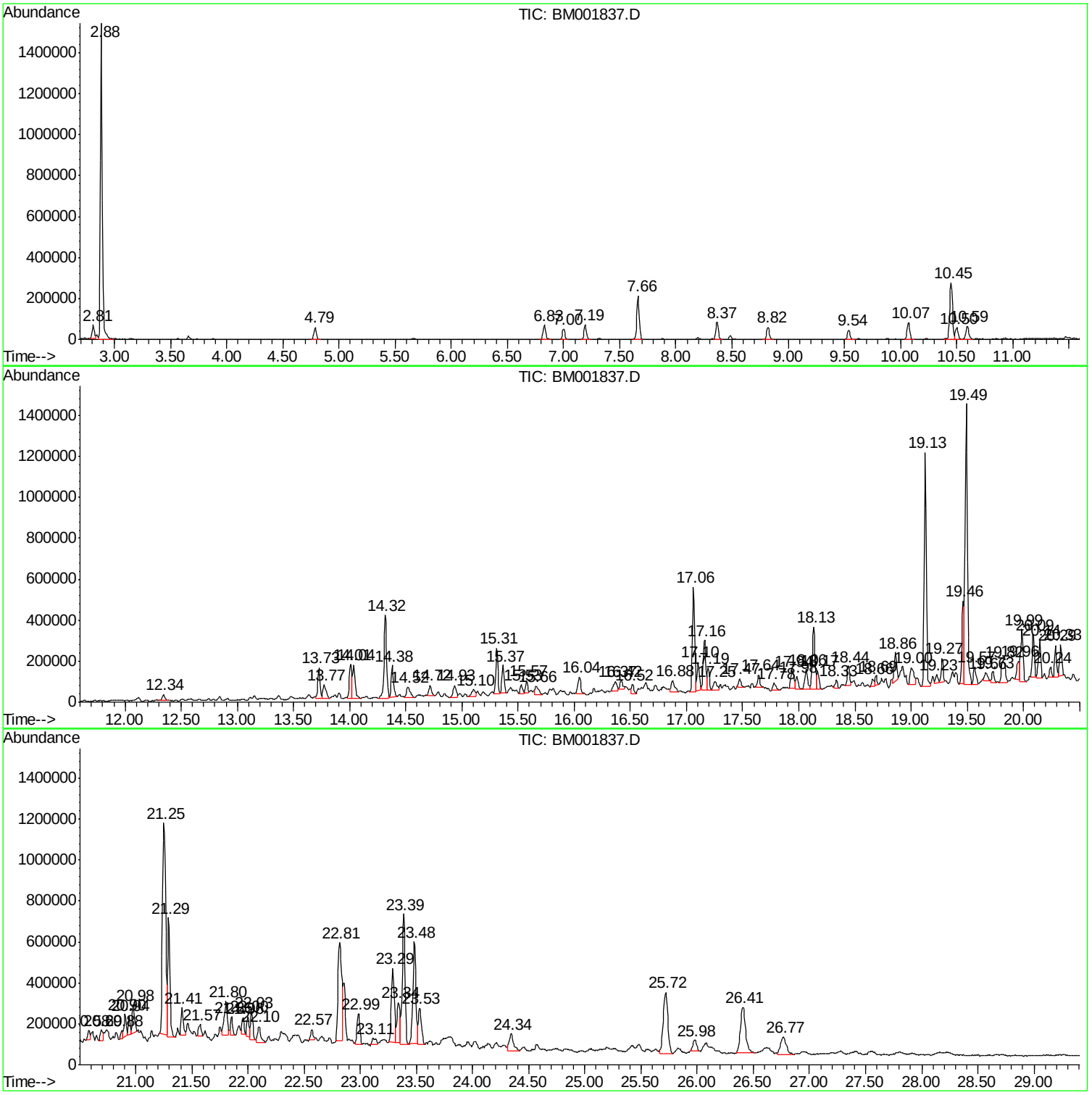
Sum of corrected areas: 29110650

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
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Operator : TP/UM
Sample : G2861-15
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

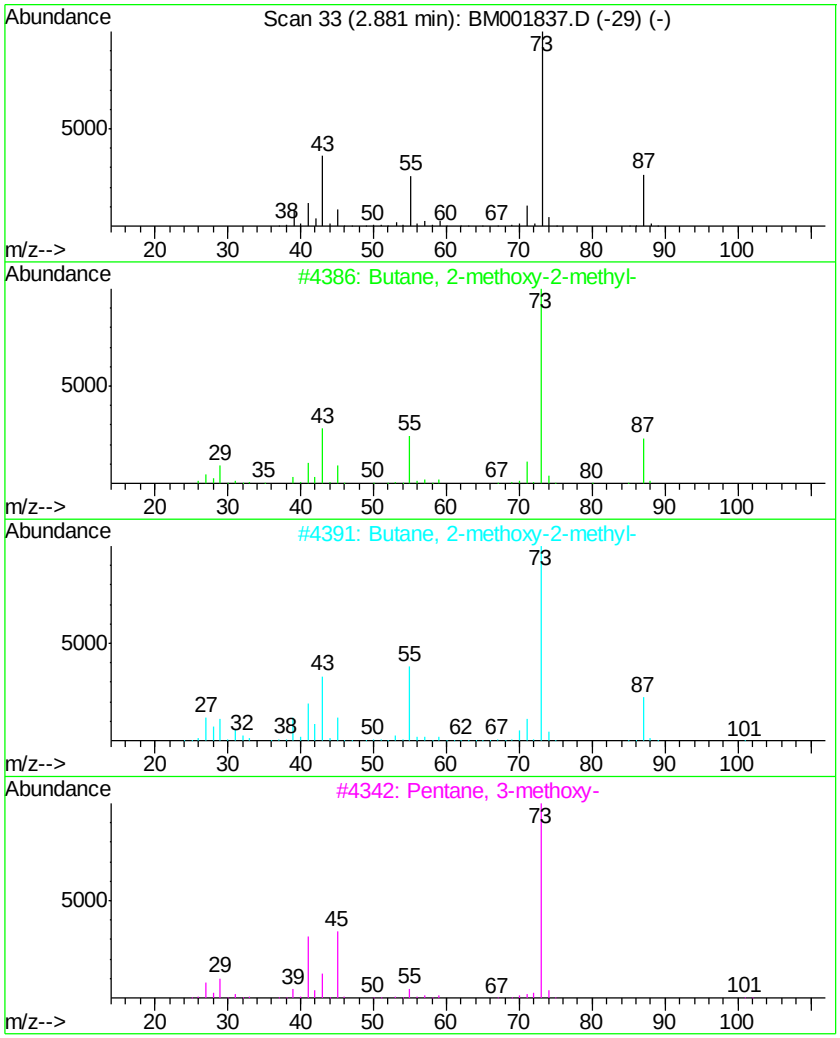
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

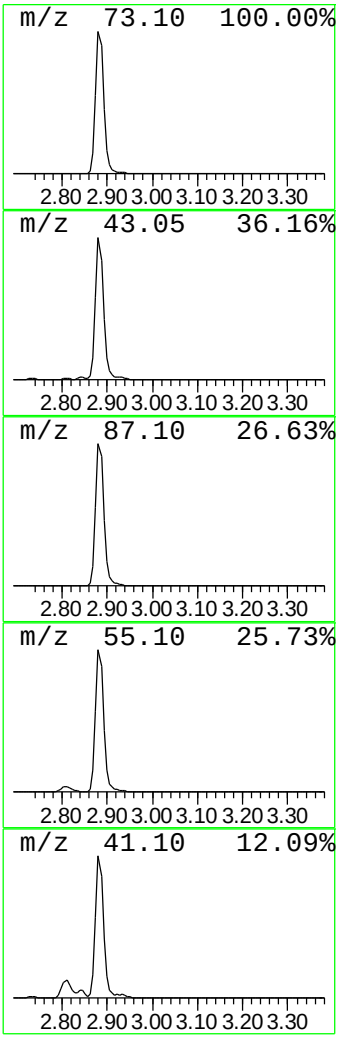
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	111.06 ng/ul	1847880	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

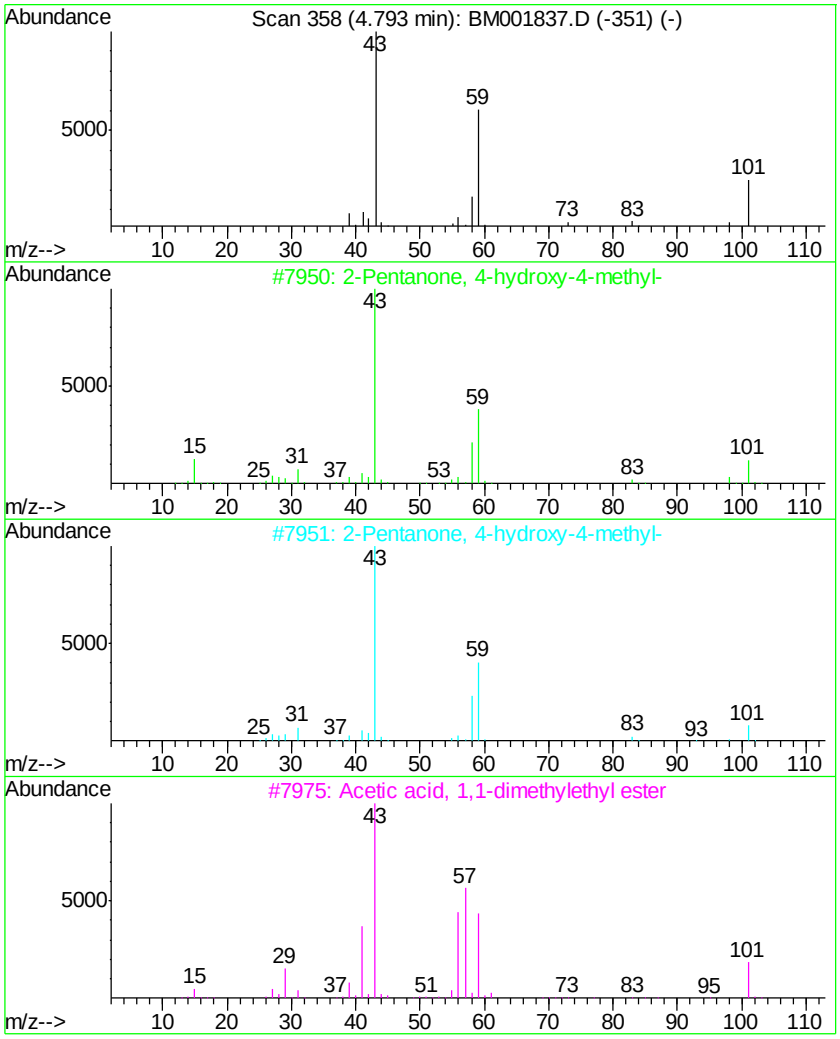
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

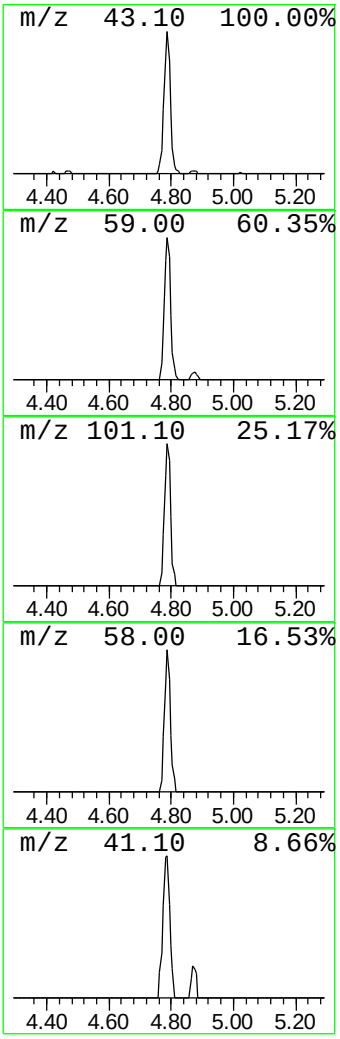
****

Peak Number 3 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	5.31 ng/ul	88368	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	25
5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

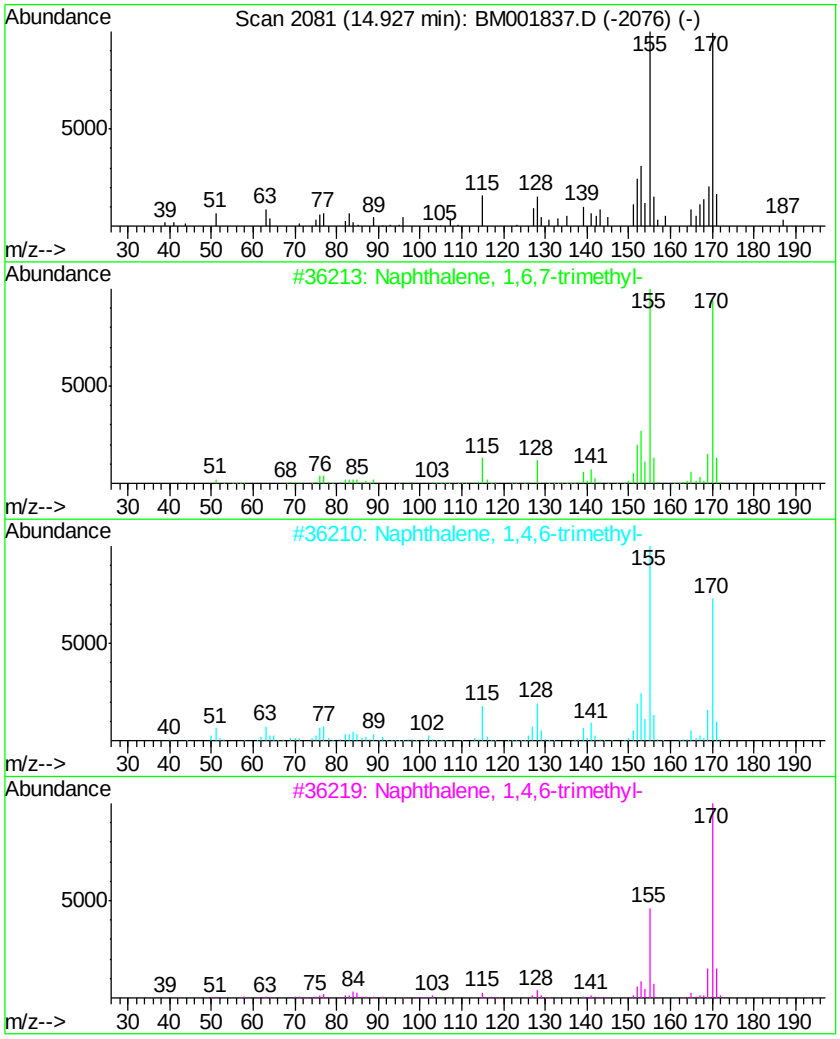
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

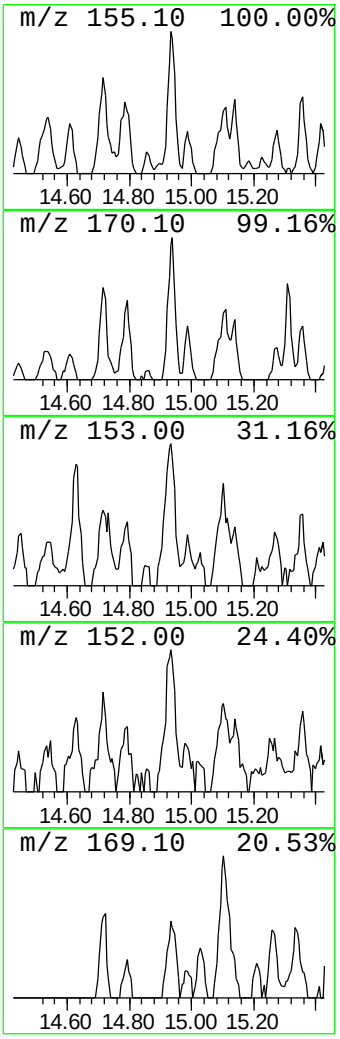
****

Peak Number 5 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	3.59 ng/ul	117114	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

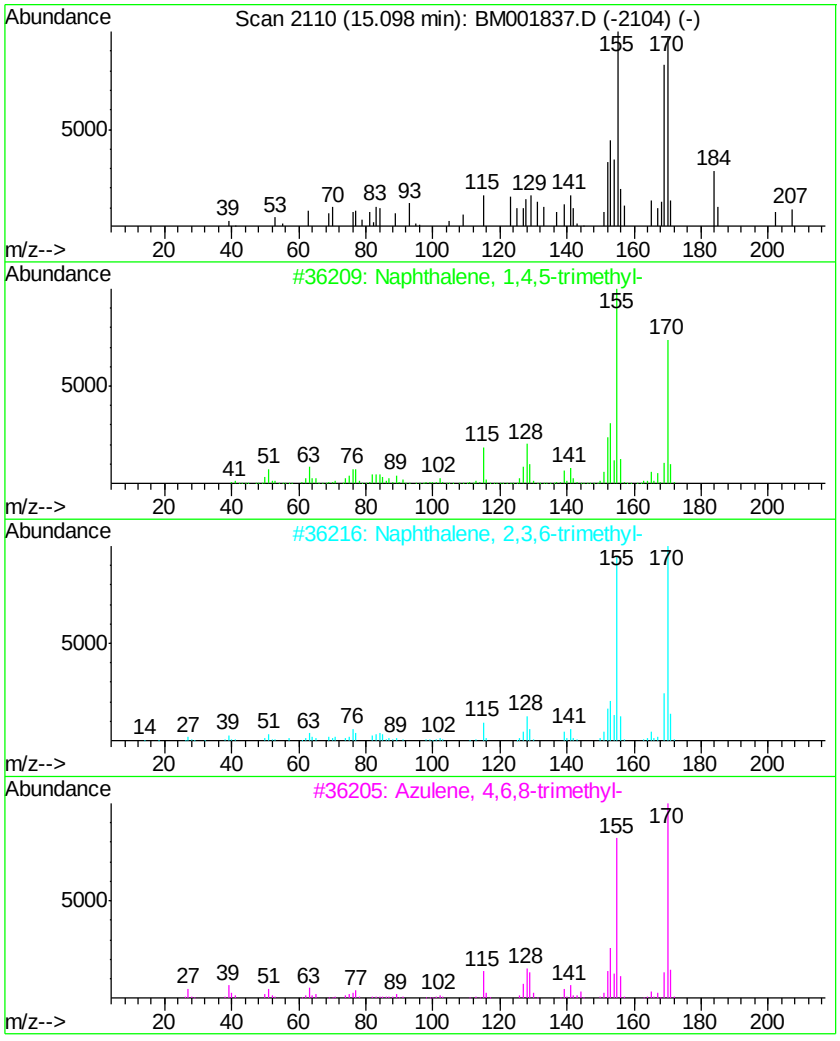
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

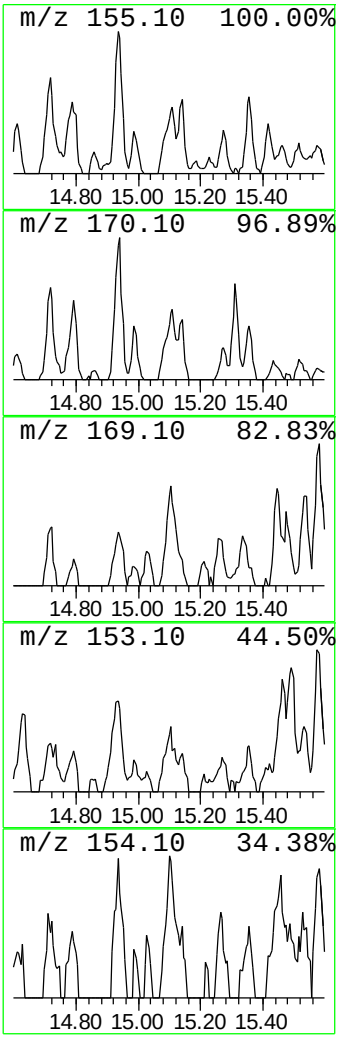
****

Peak Number 6 Naphthalene, 1,4,5-trimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	2.28 ng/ul	74495	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	64
3	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	64
4	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	64
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	60





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

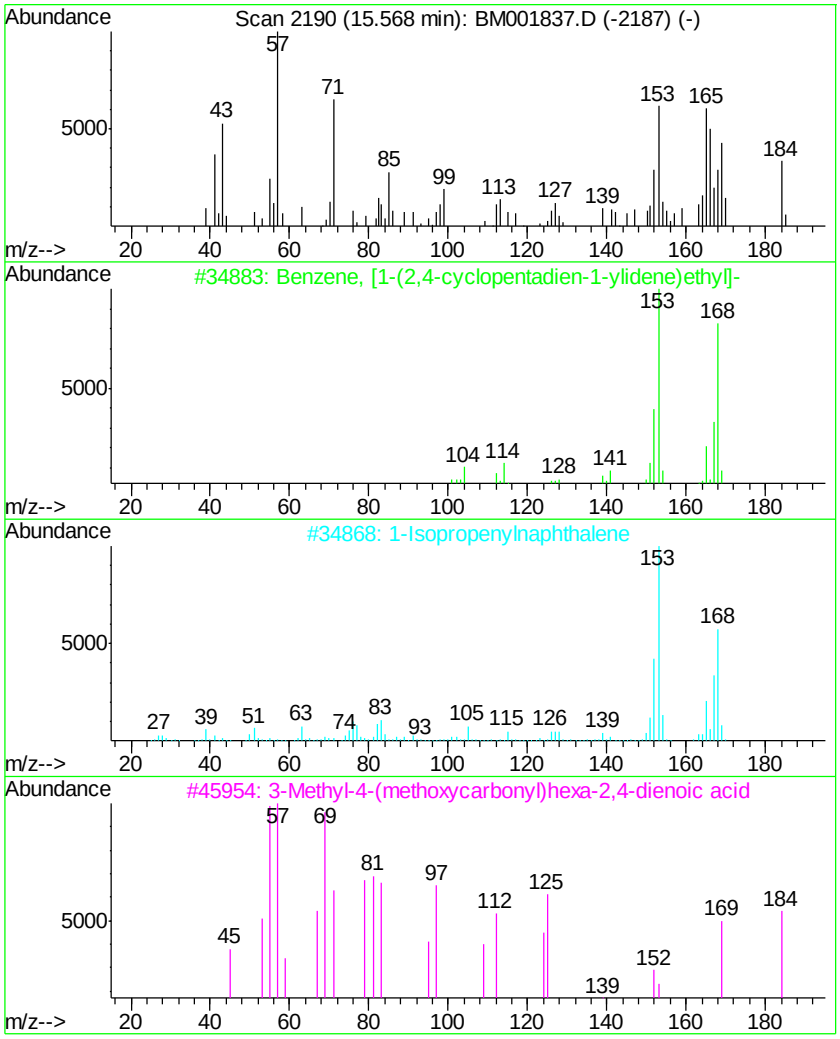
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

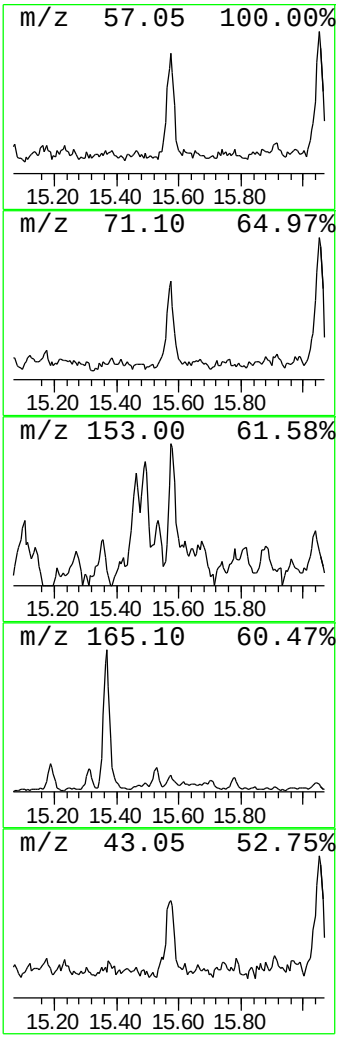
****

Peak Number 7 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	2.66 ng/ul	86783	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	43
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	43
3	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	35
4	1-Acenaphthylenol, 1,2-dihydro-1...	184	C13H12O	041002-74-8	30
5	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

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Quant Title : SVOA CALIBRATION

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

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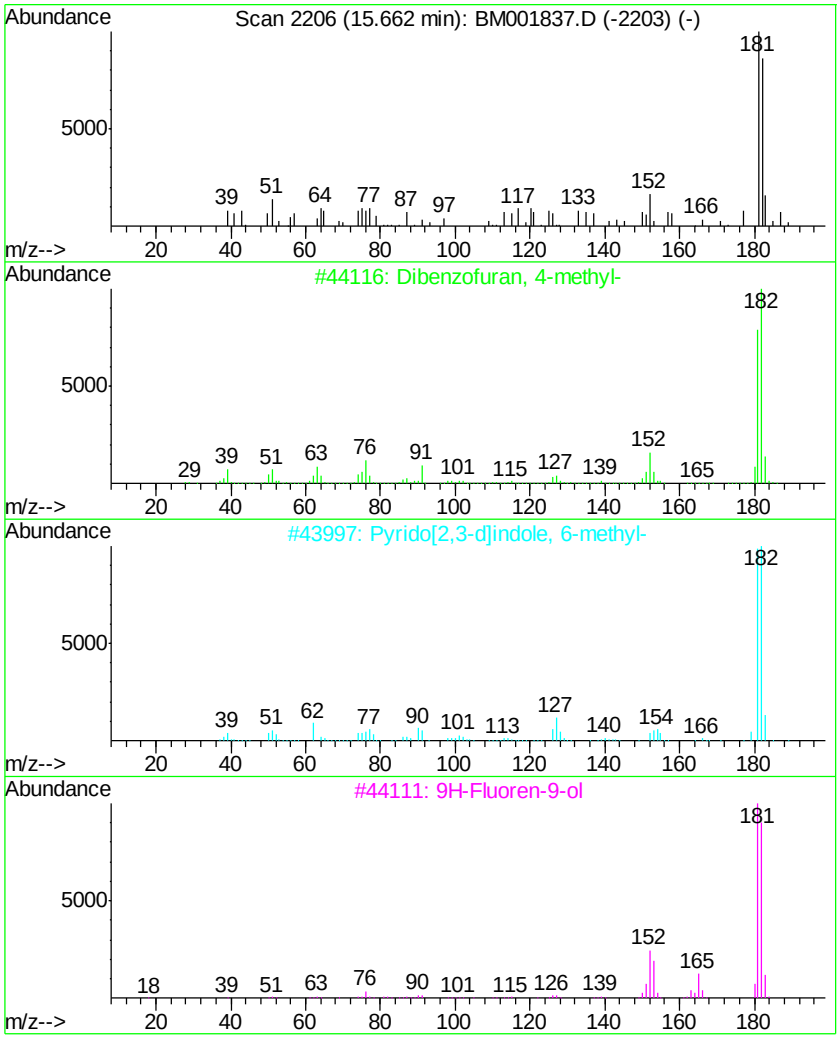
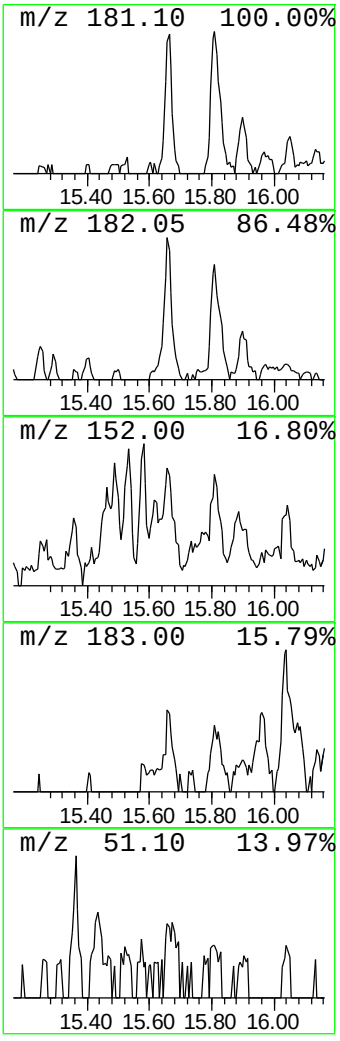
Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	2.56 ng/ul	83591	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
2	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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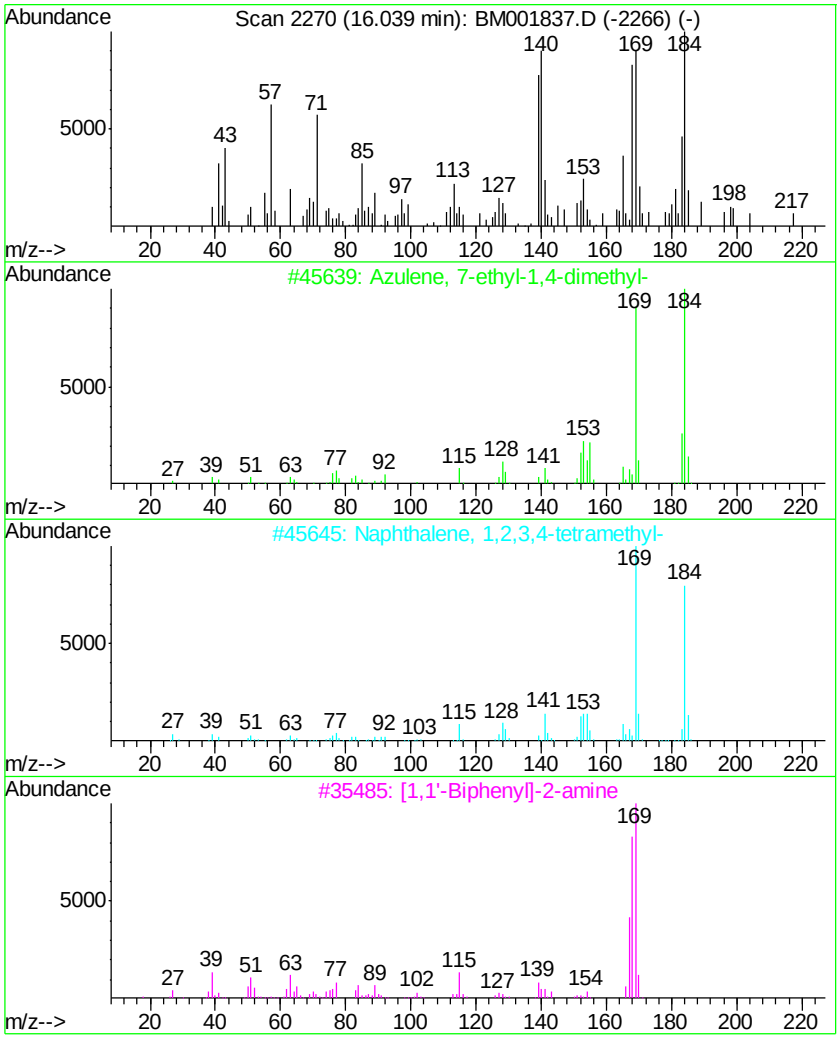
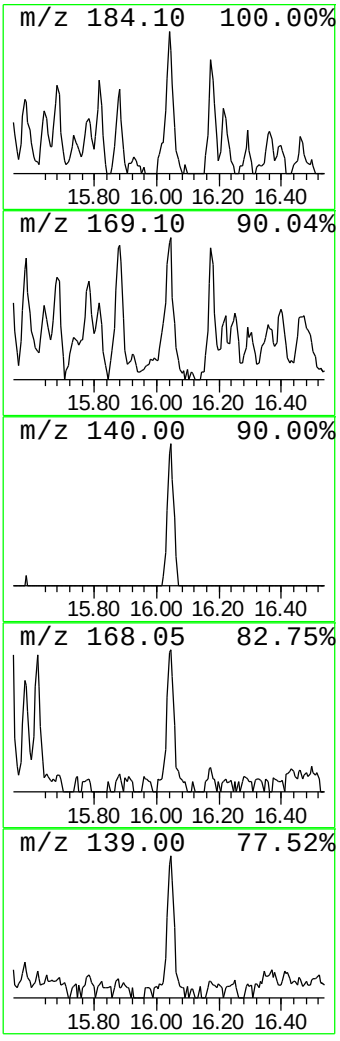
Peak Number 9 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	4.01 ng/ul	145689	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	60
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	44
3	[1,1'-Biphenyl]-2-amine	169	C12H11N	000090-41-5	38
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	38
5	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	38





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Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
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Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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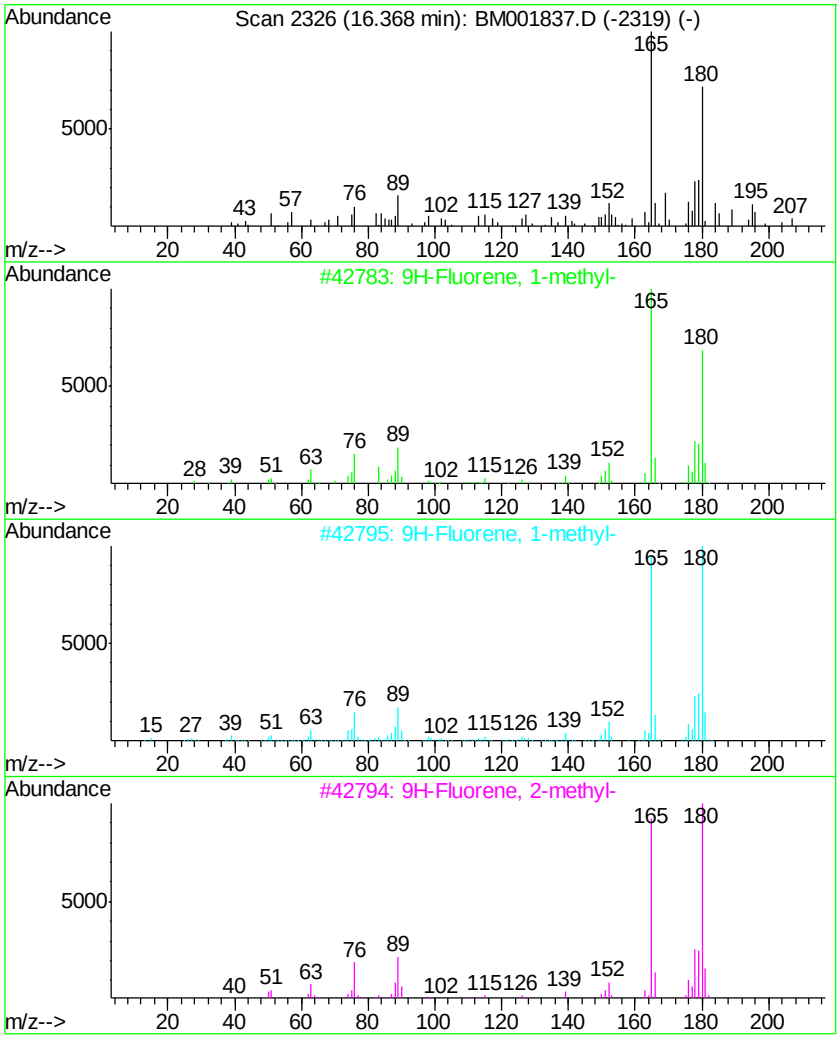
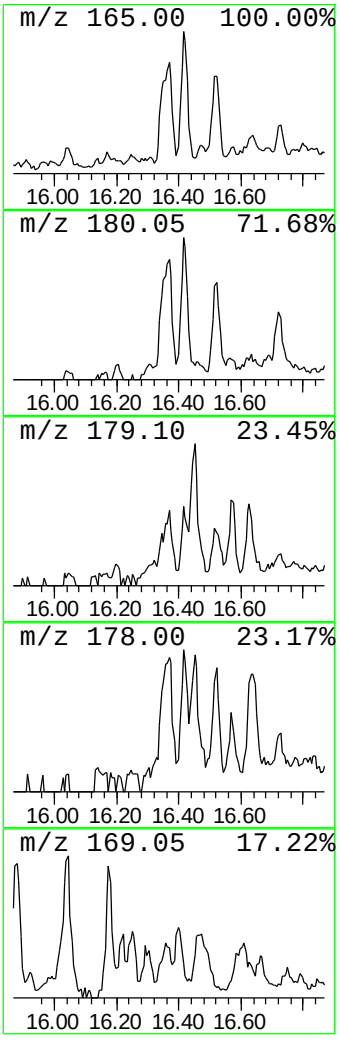
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	3.06 ng/ul	111138	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64





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Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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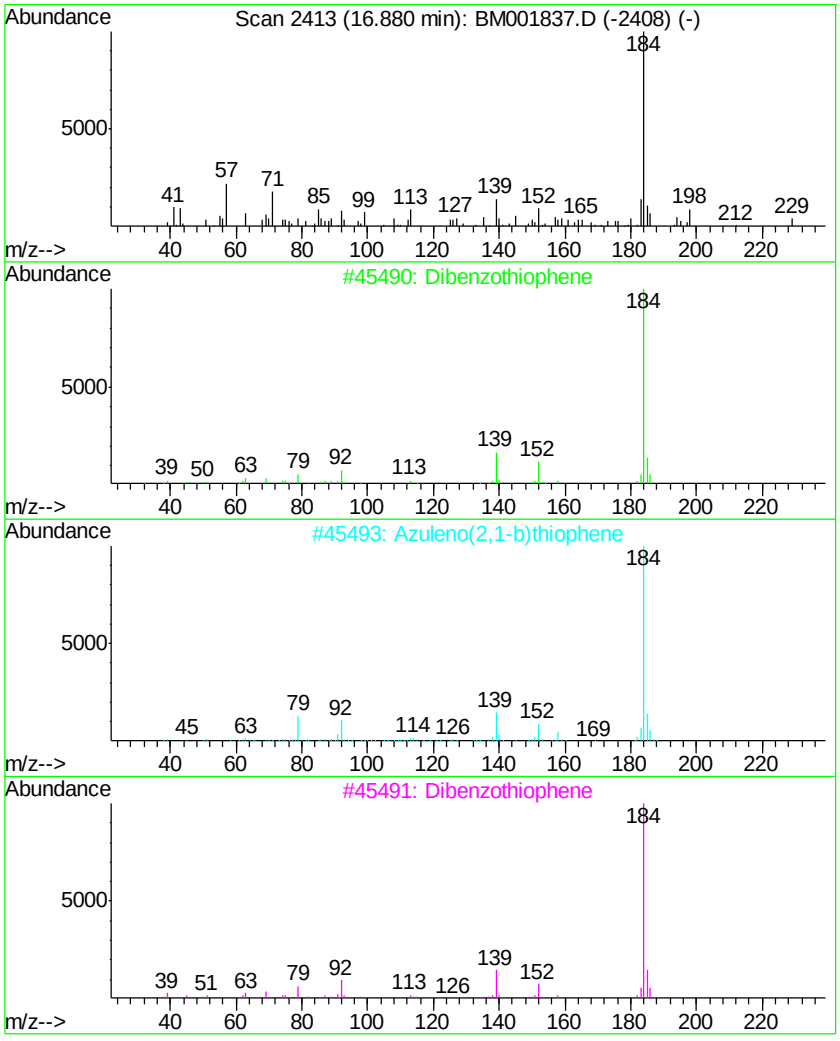
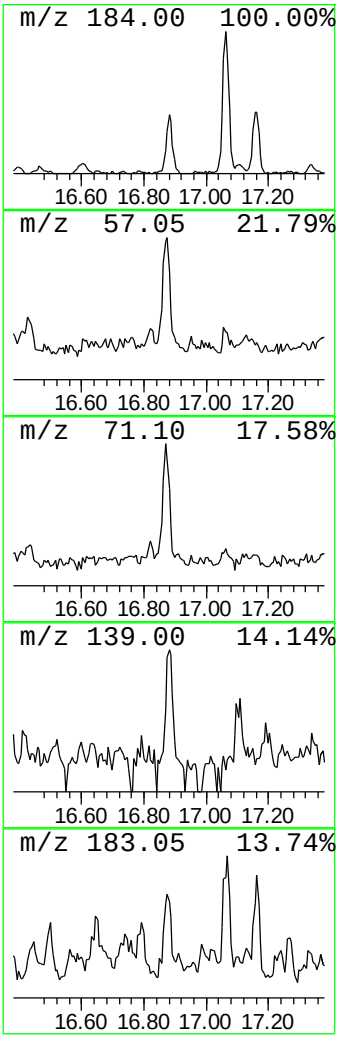
Peak Number 11 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	3.26 ng/ul	118382	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	81
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	74
3	Dibenzothiophene	184	C12H8S	000132-65-0	72
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	72
5	Dibenzothiophene	184	C12H8S	000132-65-0	64





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Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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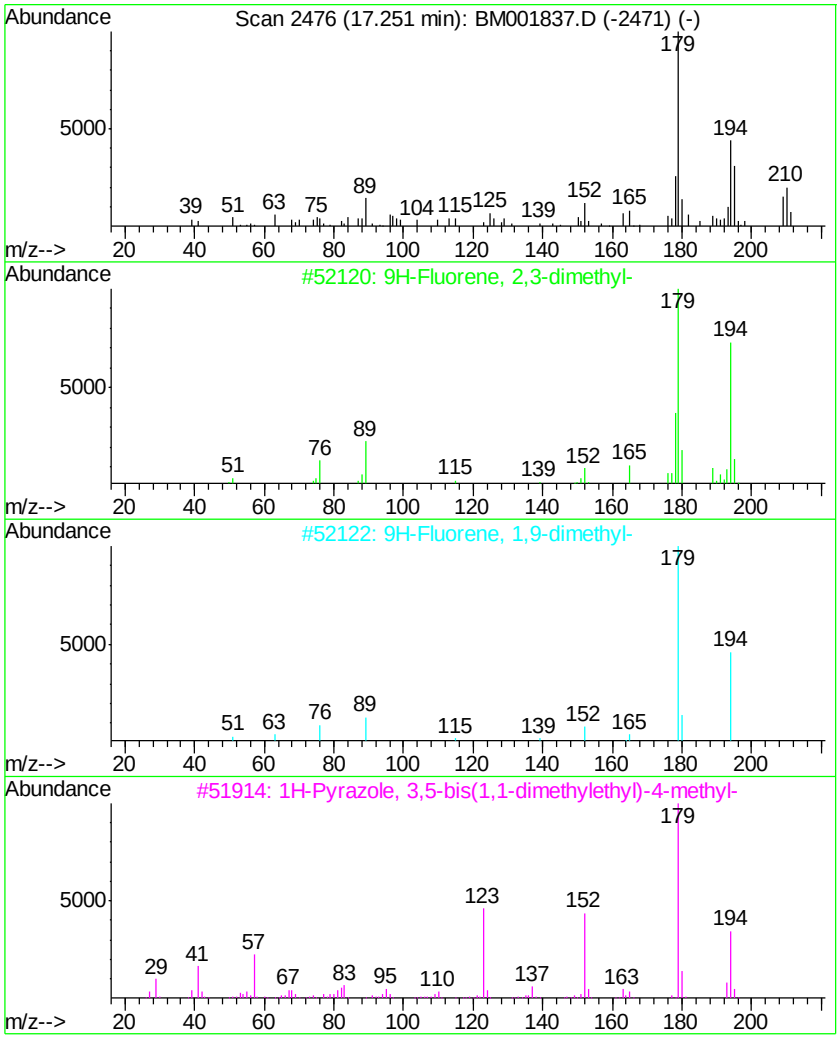
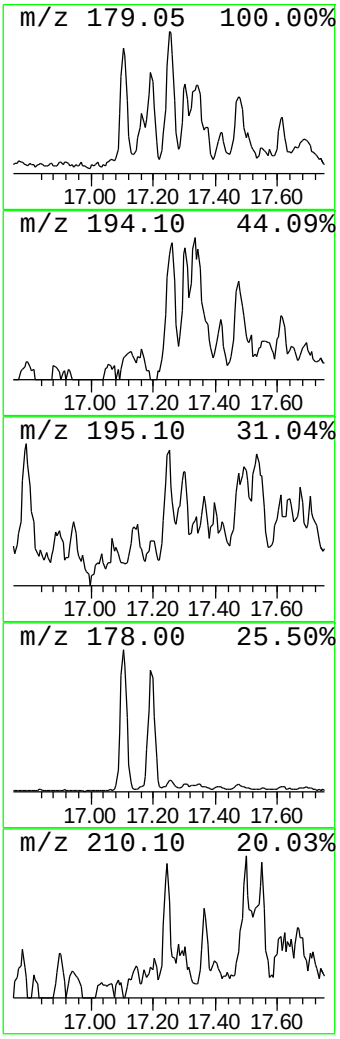
Peak Number 12 9H-Fluorene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	2.84 ng/ul	103073	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	78
2	9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	53
3	1H-Pyrazole, 3,5-bis(1,1-dimethy...	194	C12H22N2	018712-47-5	50
4	Silane, trimethyl(3,5-xylyloxy)-	194	C11H18OSi	017994-05-7	49
5	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	45





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Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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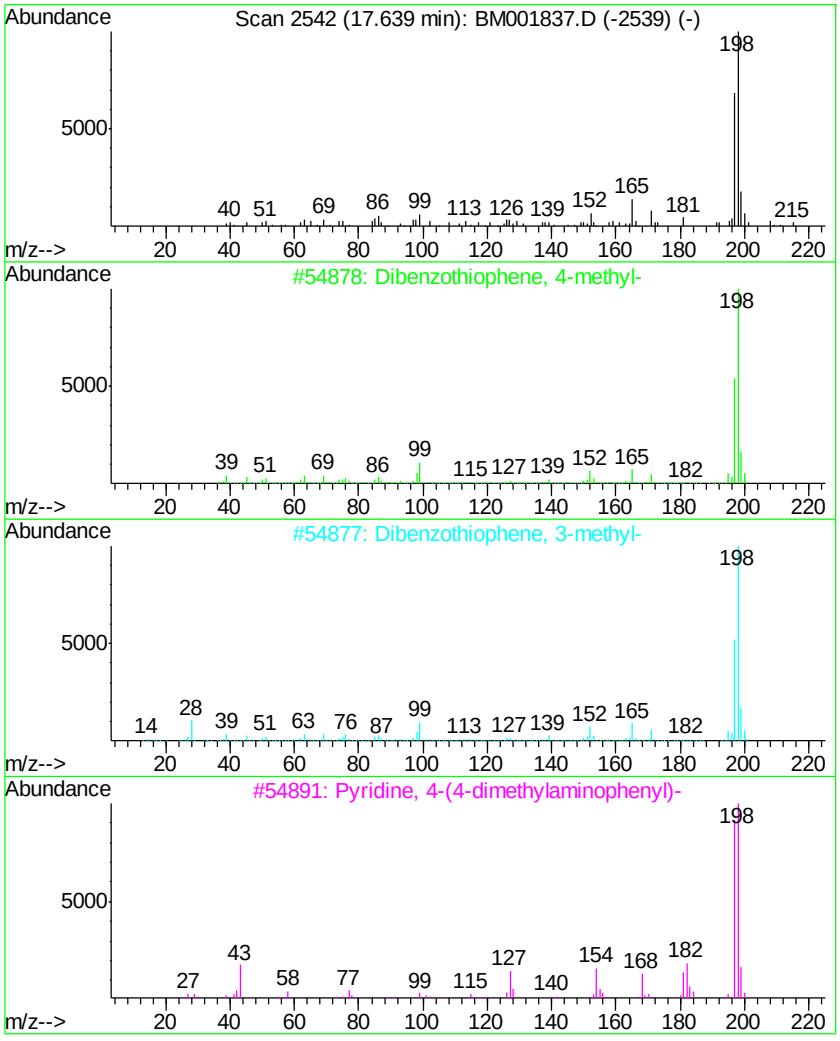
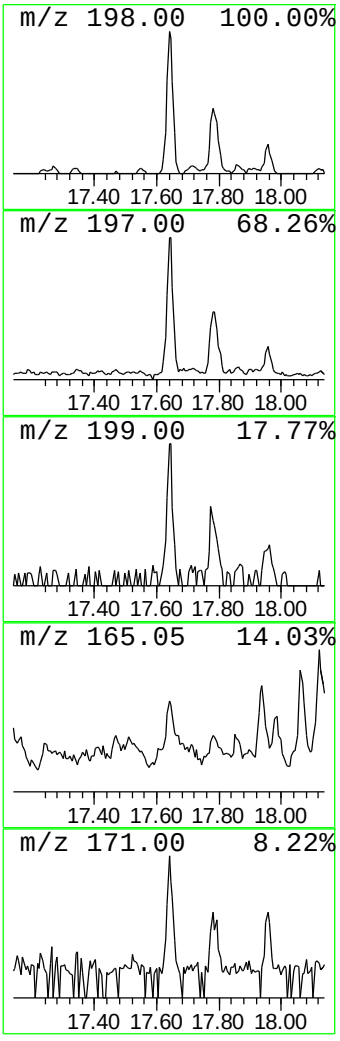
Peak Number 13 Dibenzothiophene, 4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	2.30 ng/ul	83579	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
3	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	64
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	2,4-Diamino-5H-indeno[1,2-d]pyri...	198	C11H10N4	095140-64-0	64





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Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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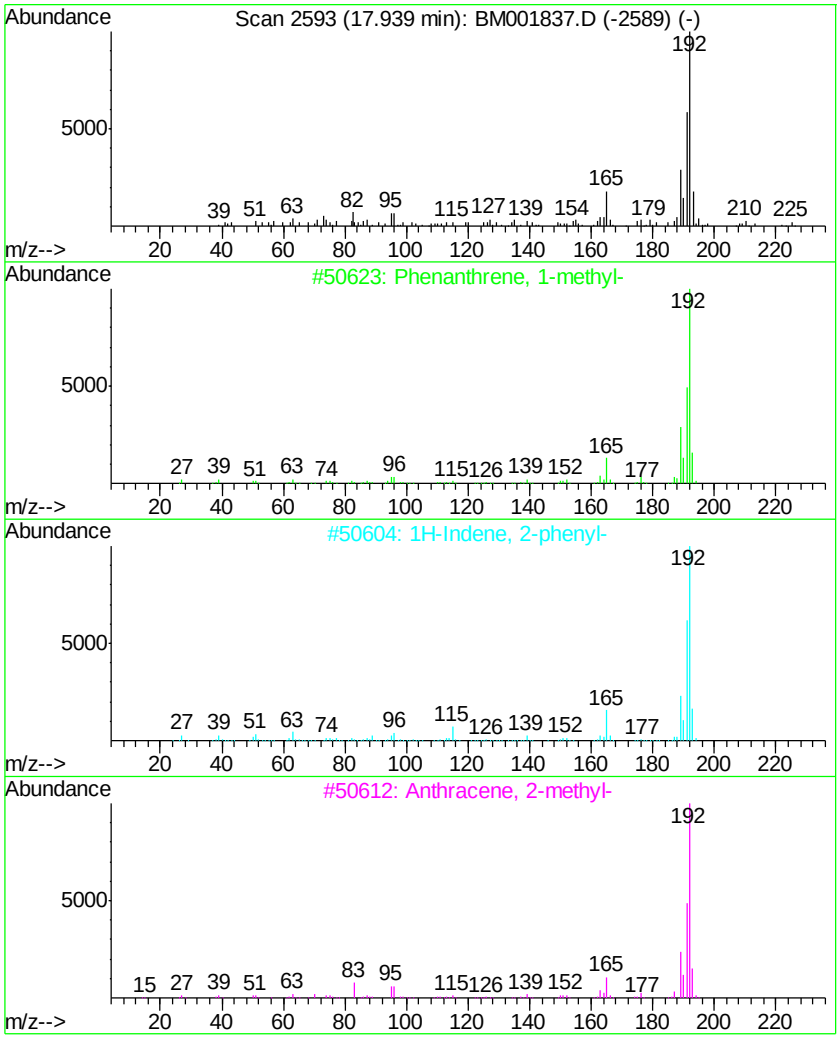
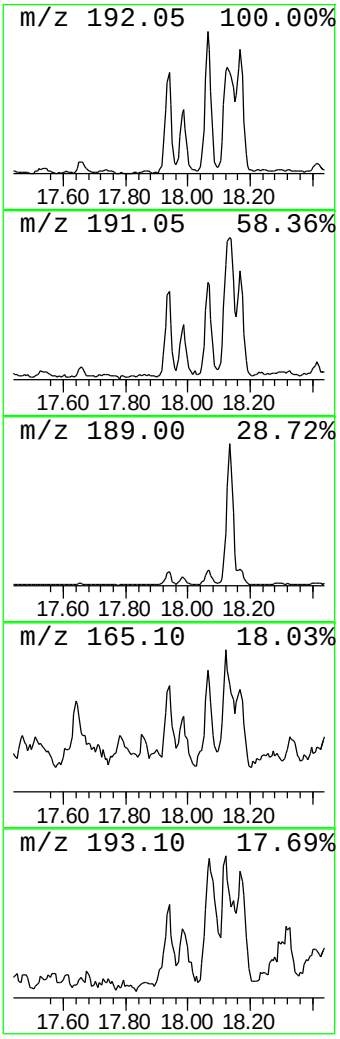
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.83 ng/ul	175375	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91





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Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

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Quant Title : SVOA CALIBRATION

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

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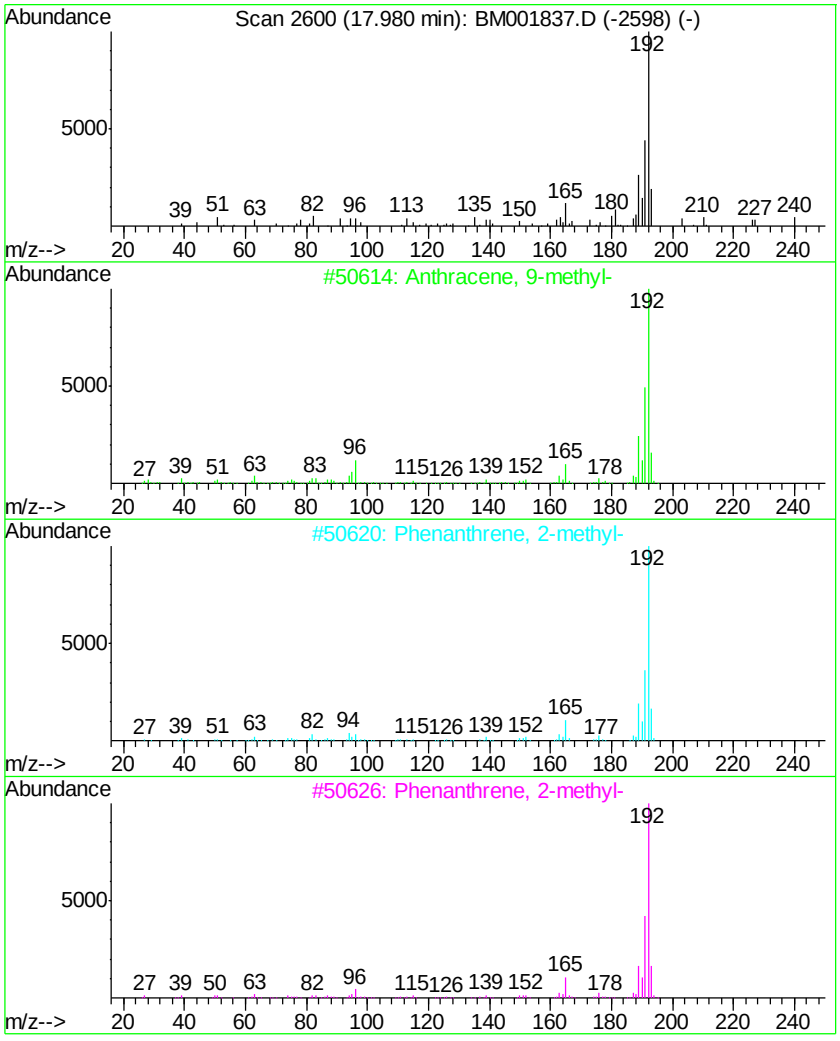
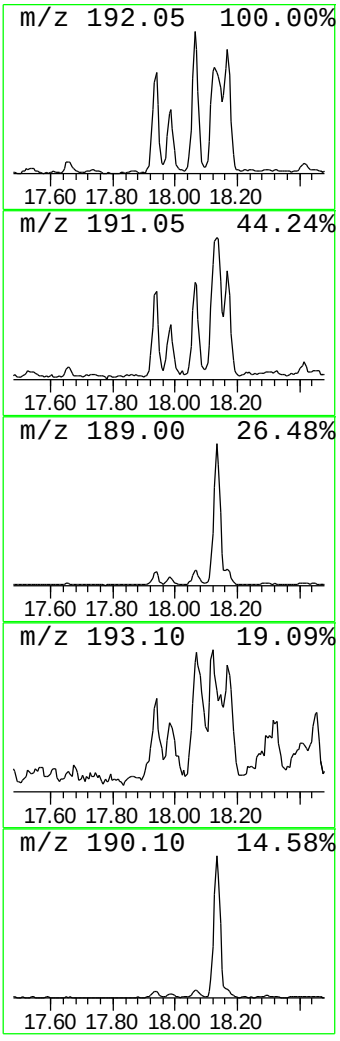
Peak Number 15 Anthracene, 9-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	2.49 ng/ul	90362	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





Library Search Compound Report

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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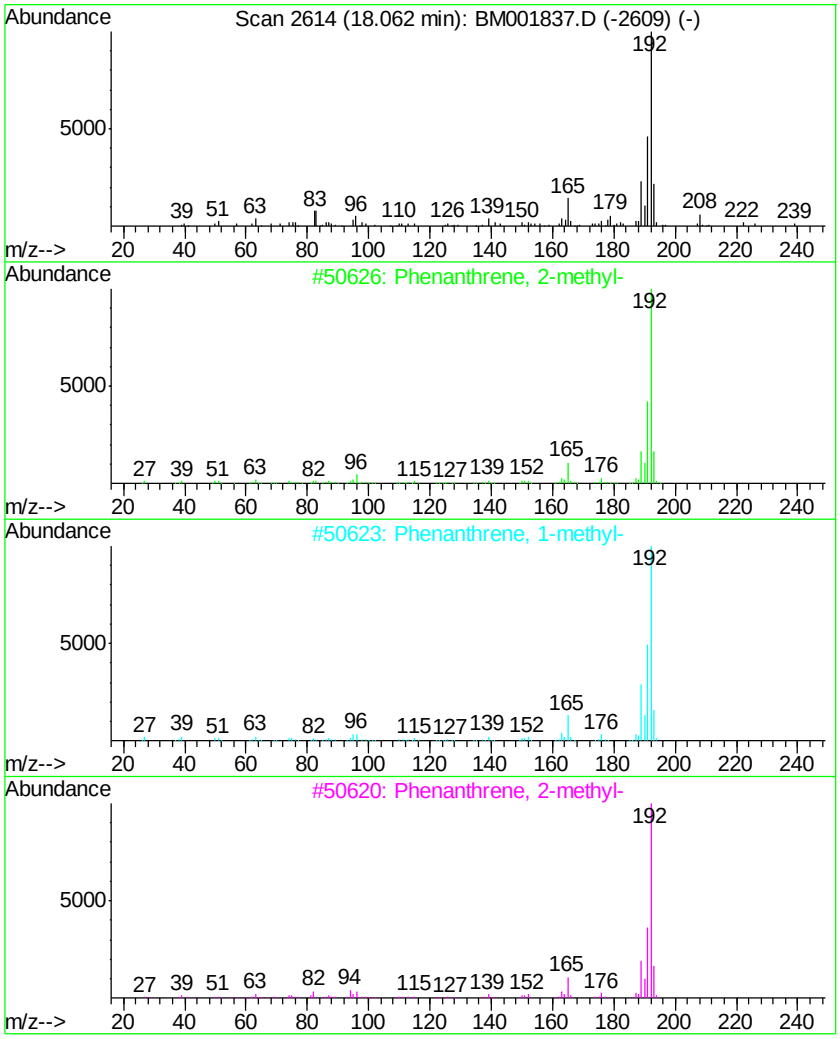
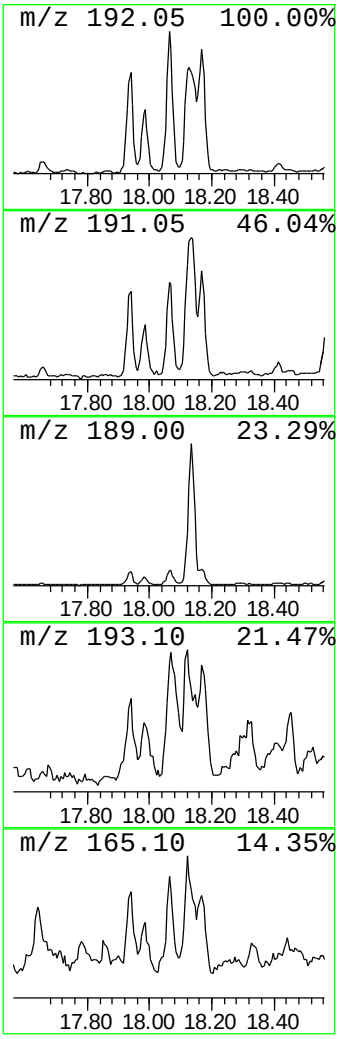
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	4.64 ng/ul	168481	Phenanthrene-d10	17.06

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





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Instrument : BNA_M
ClientSampleId : G93L9

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Quant Title : SVOA CALIBRATION

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

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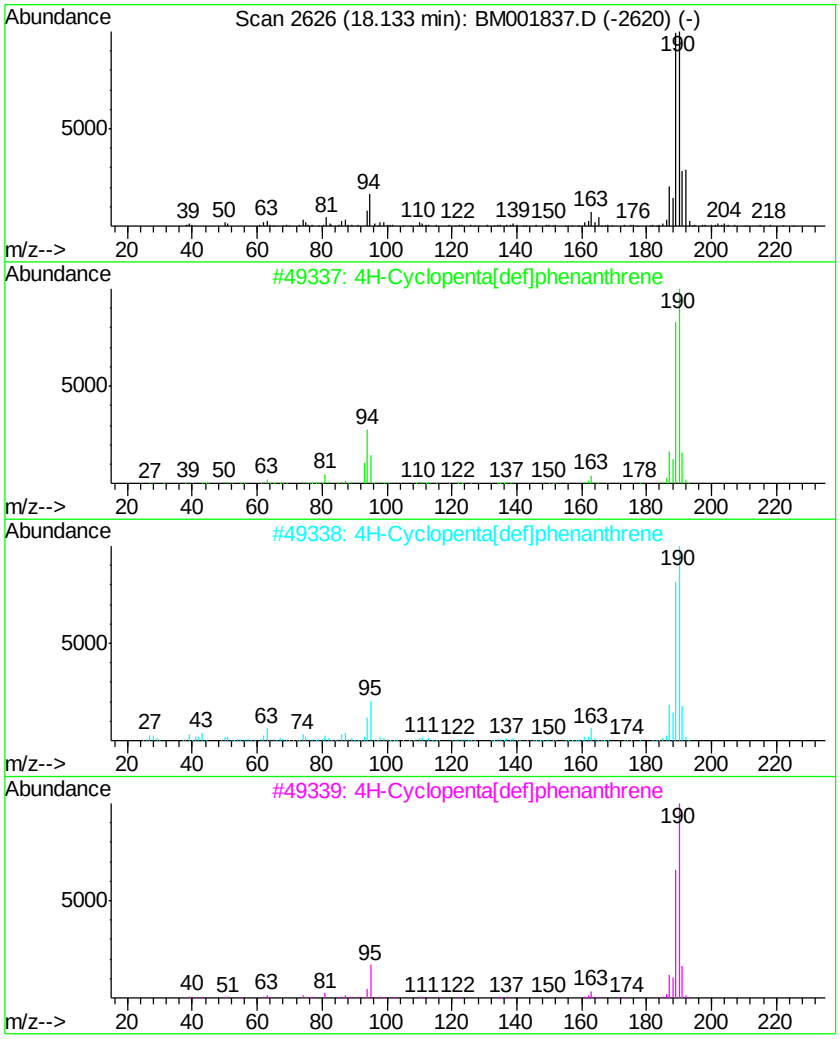
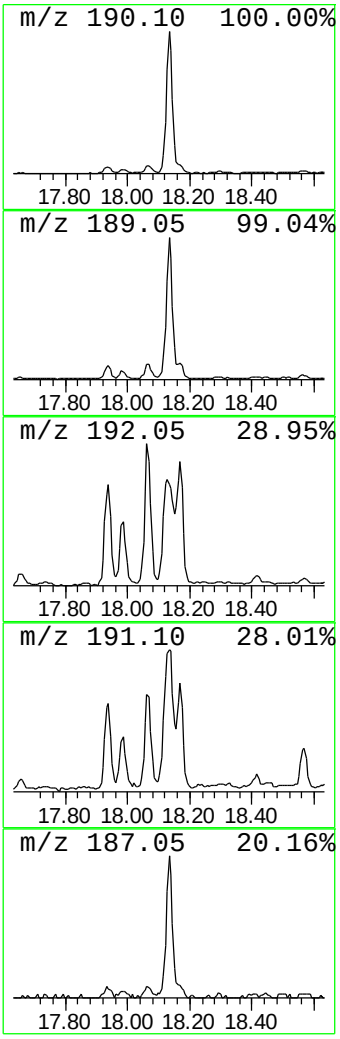
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	14.52 ng/ul	527054	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Instrument : BNA_M
ClientSampleId : G93L9

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Quant Title : SVOA CALIBRATION

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

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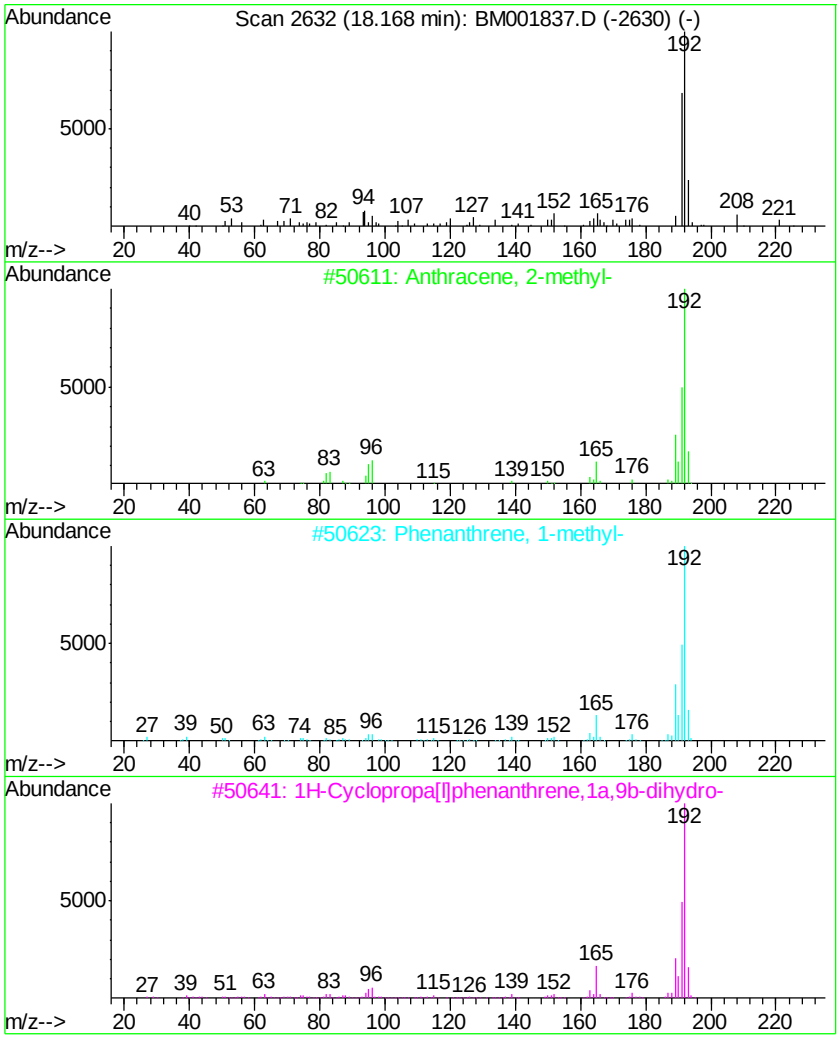
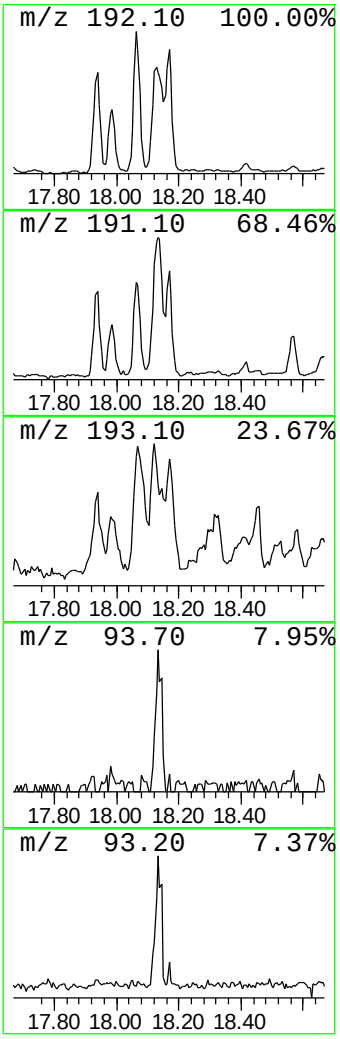
Peak Number 18 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	3.17 ng/ul	115212	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83





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Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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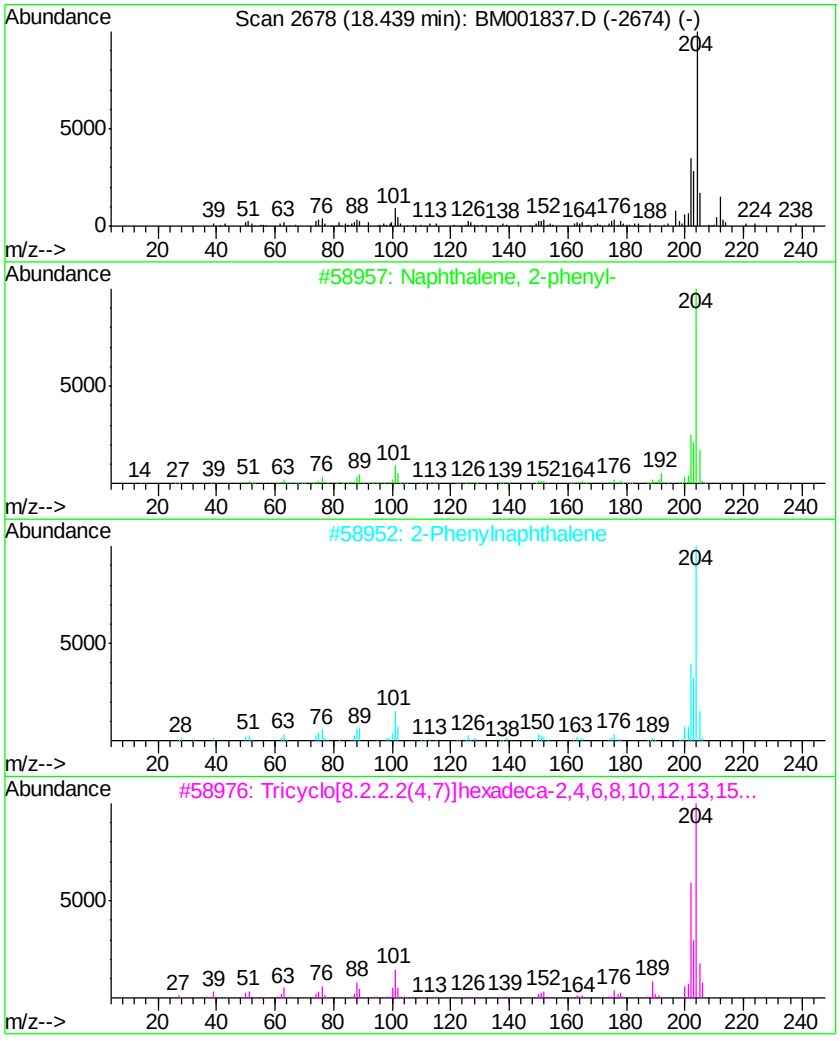
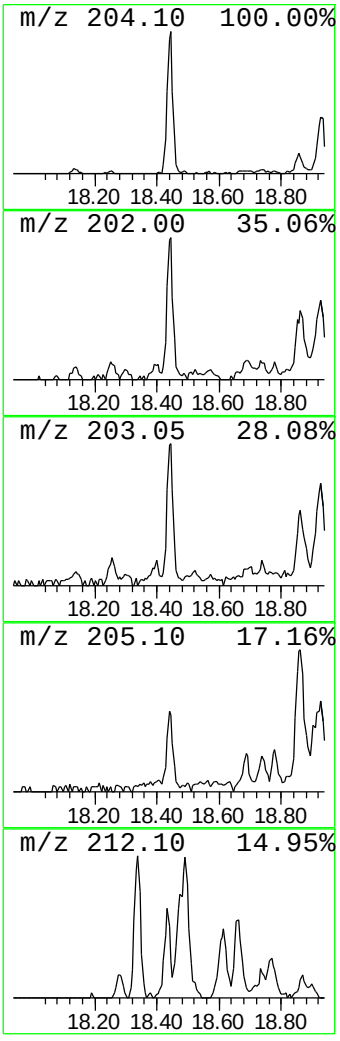
Peak Number 19 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	3.87 ng/ul	140453	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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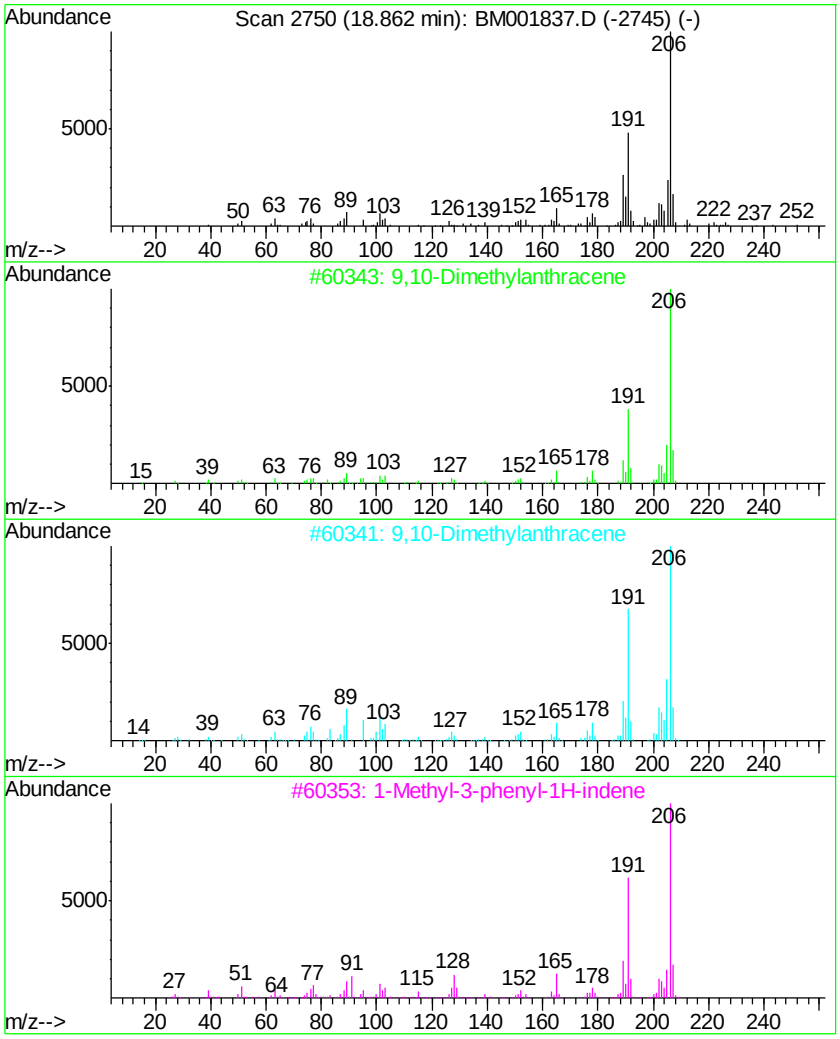
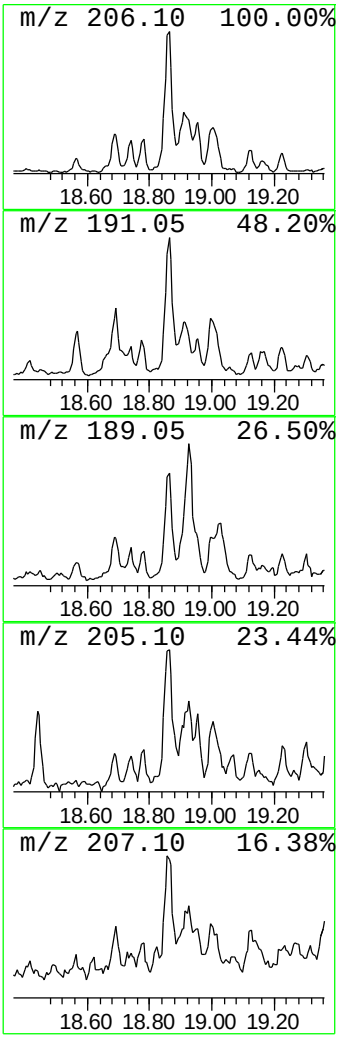
Peak Number 20 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	6.29 ng/ul	228315	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	94
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93





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Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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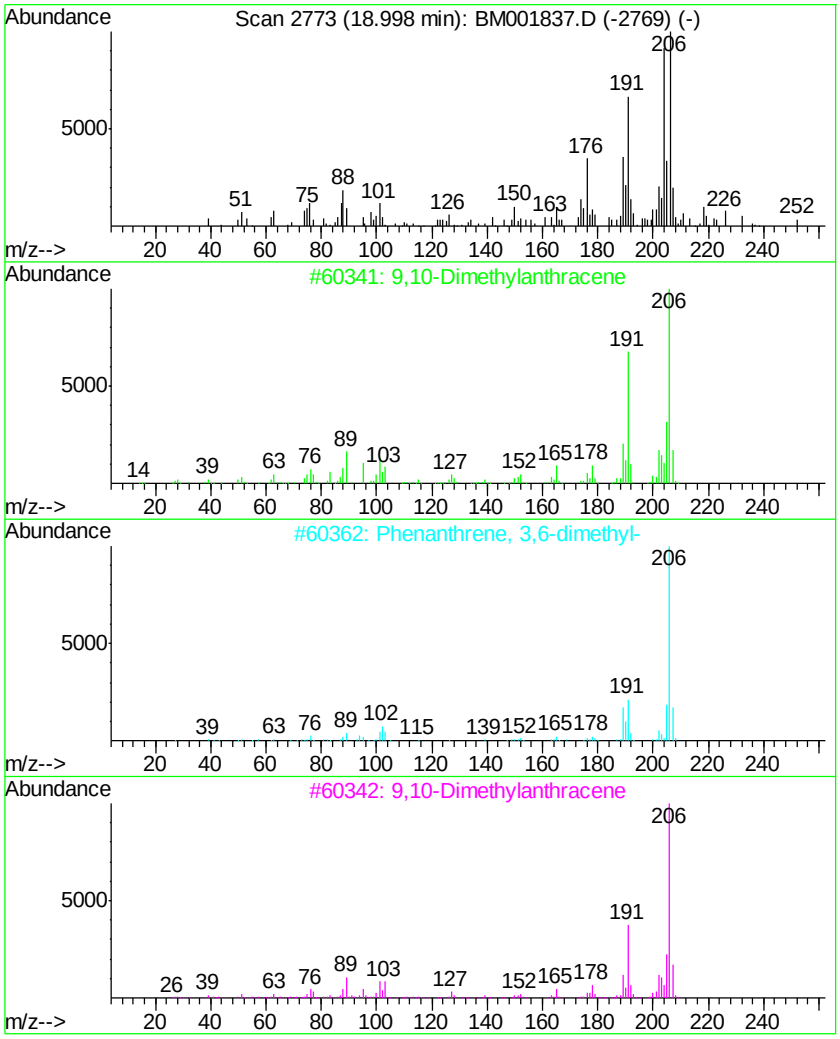
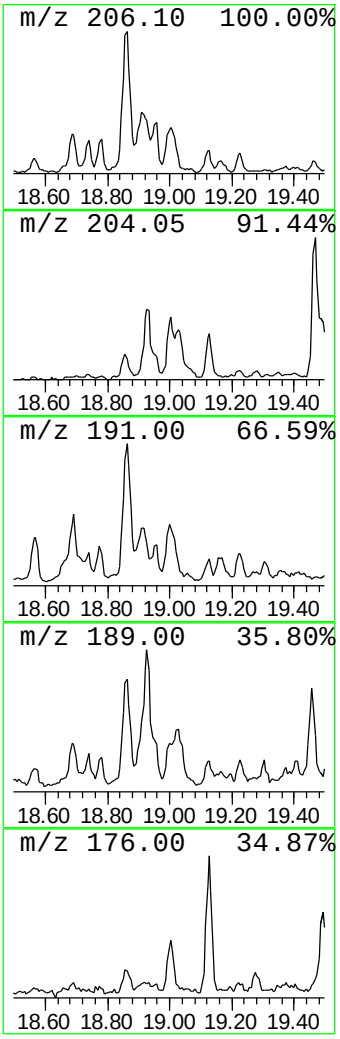
Peak Number 21 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	5.70 ng/ul	206823	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	50
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	45





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Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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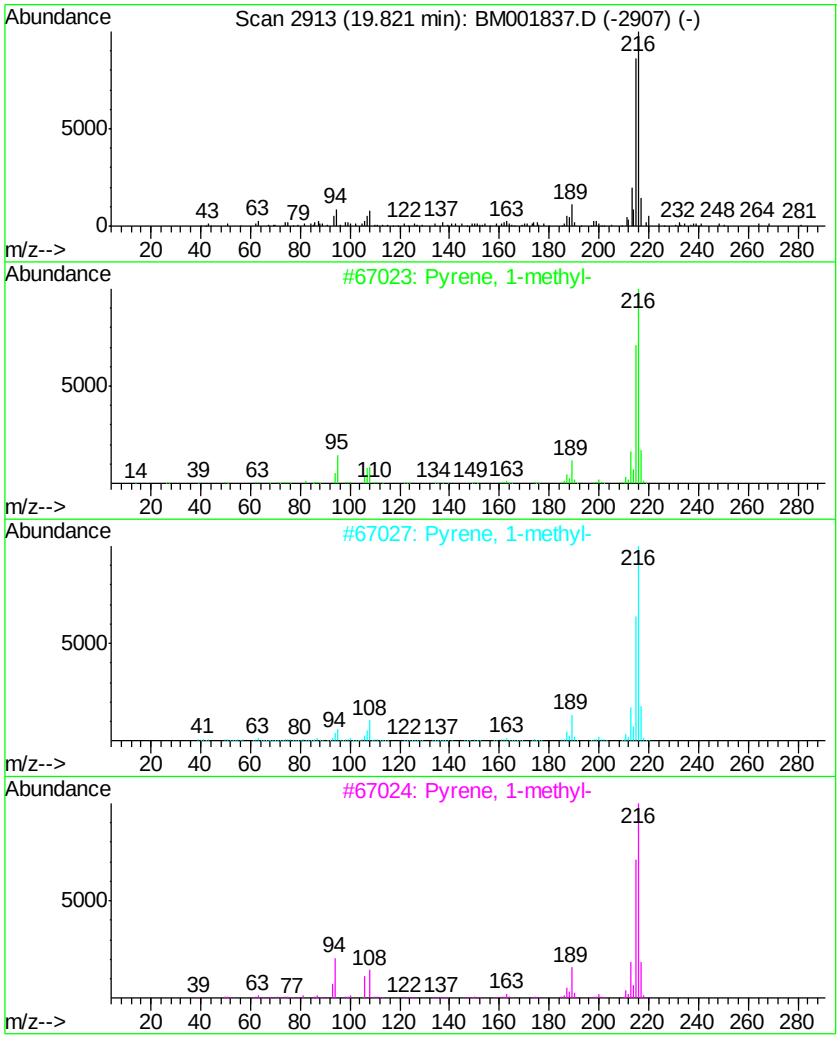
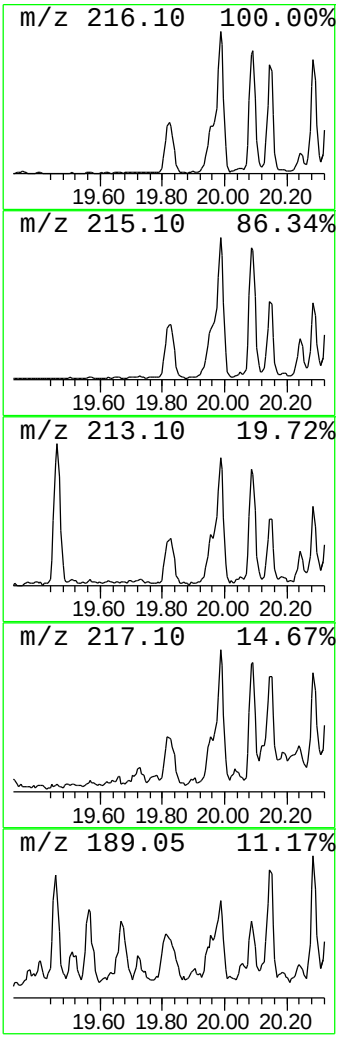
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.41 ng/ul	256790	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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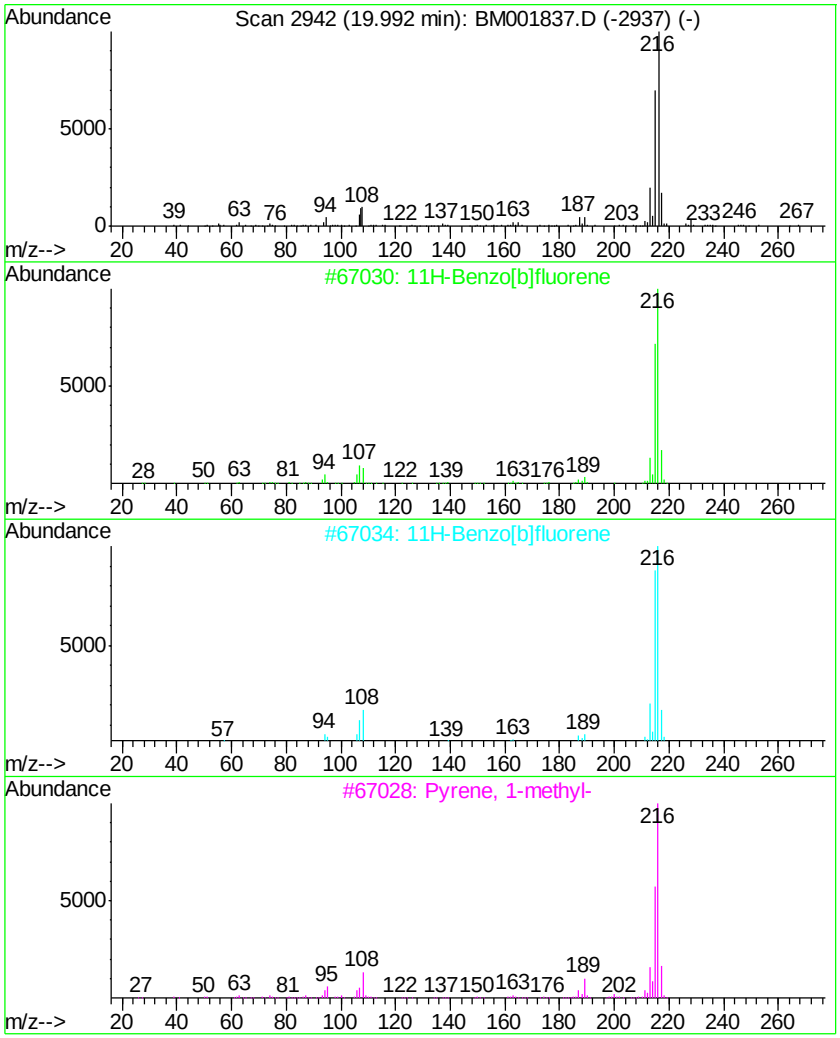
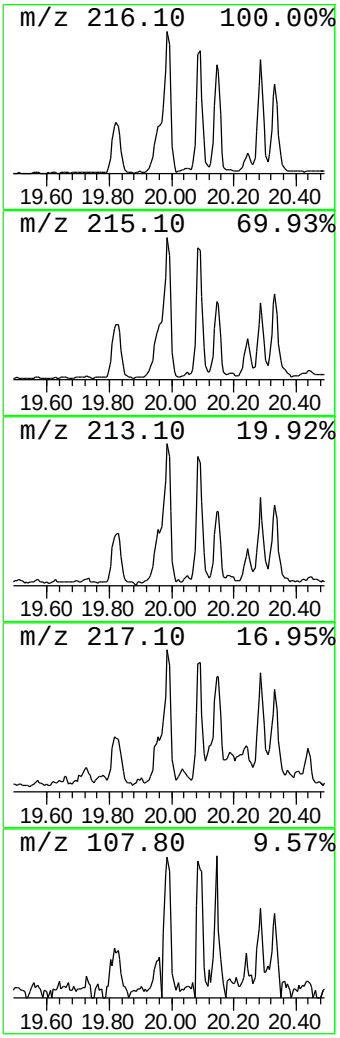
Peak Number 23 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	3.69 ng/ul	394171	Chrysene-d12	21.26

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	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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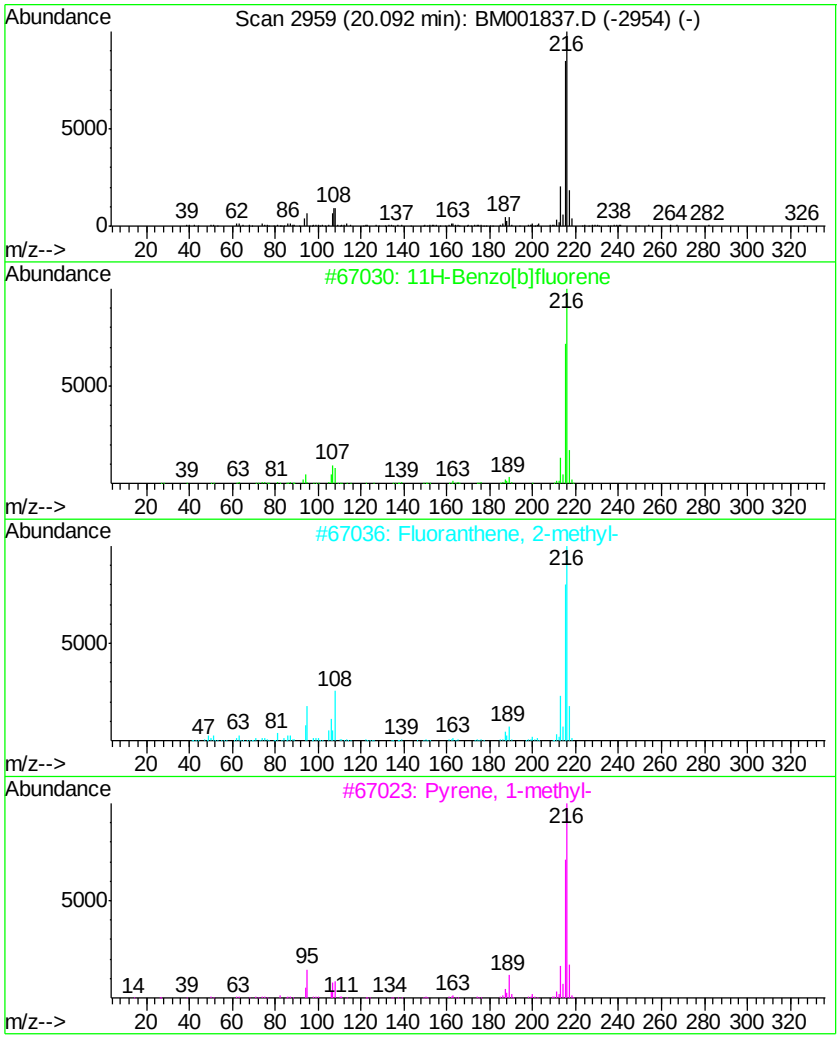
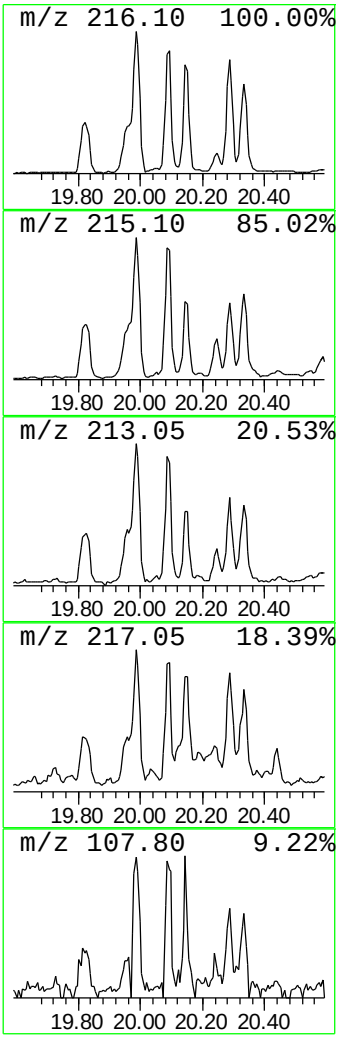
Peak Number 24 Fluoranthene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.50 ng/ul	266817	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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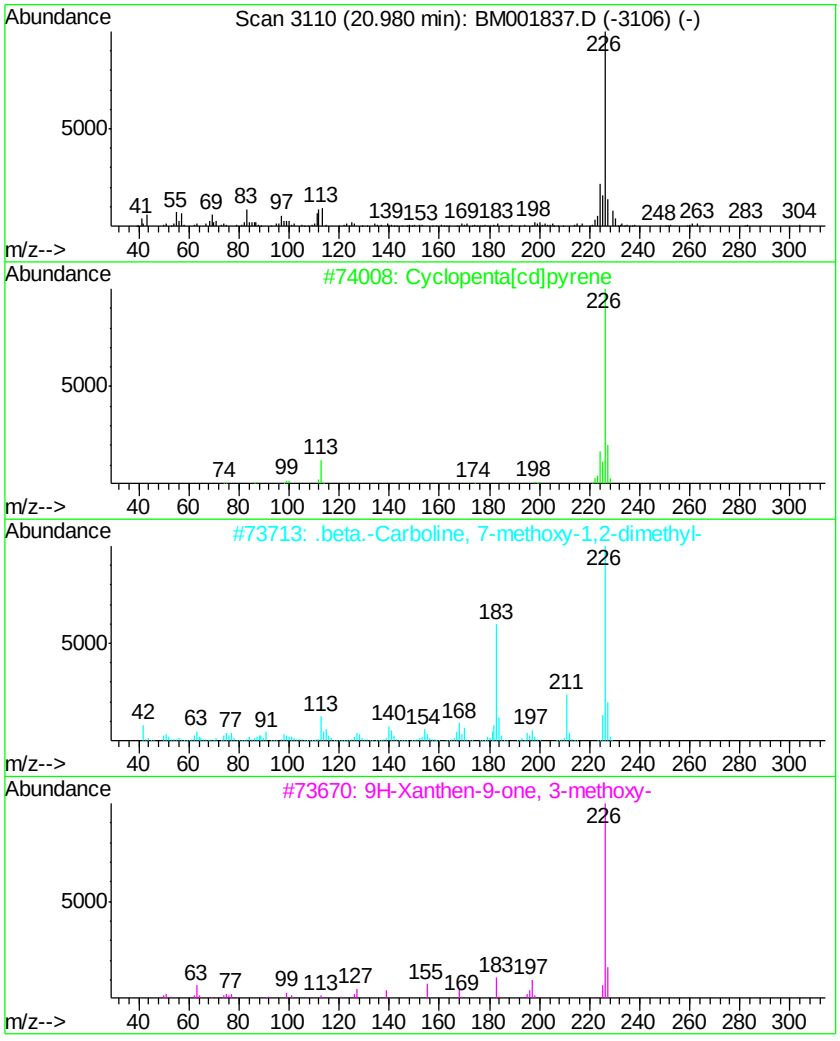
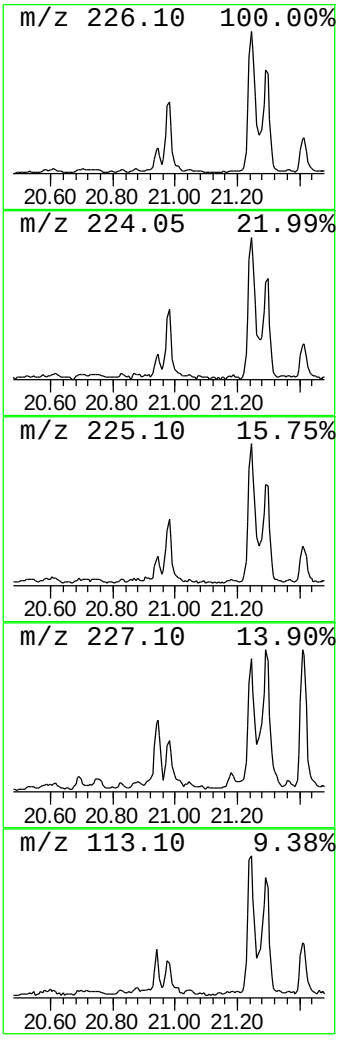
Peak Number 26 Cyclopenta[cd]pyrene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	2.02 ng/ul	215096	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	64
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	50
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	40
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	40





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Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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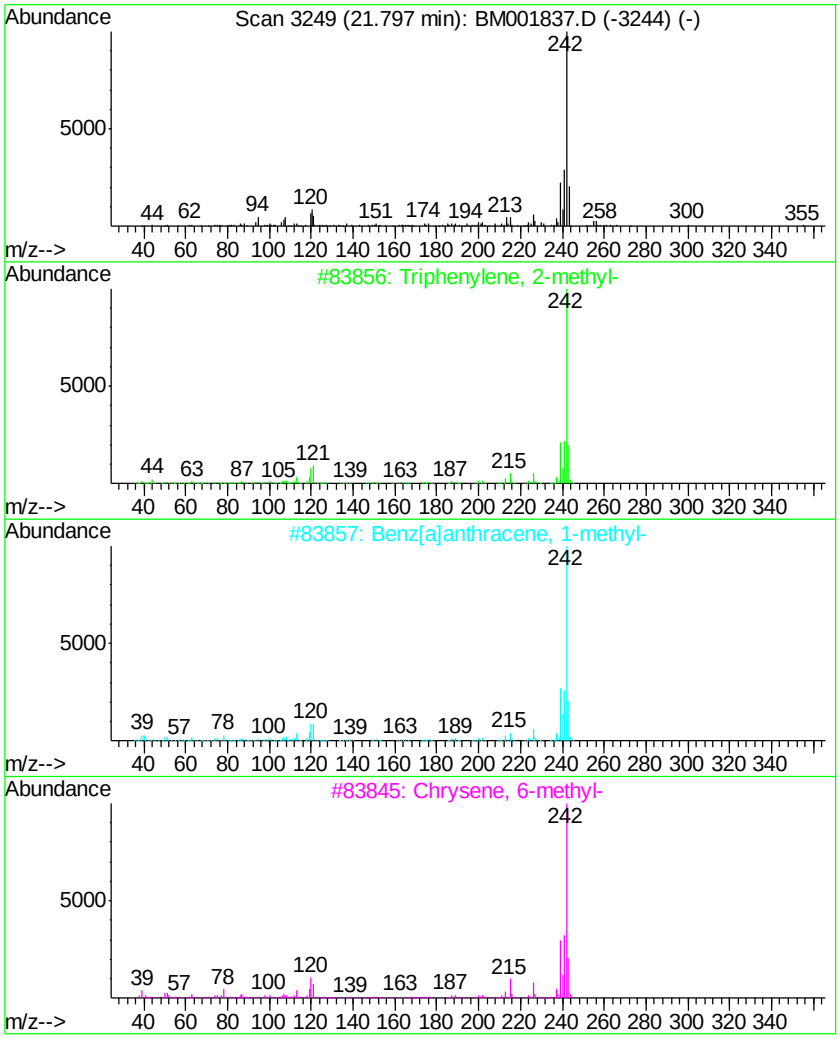
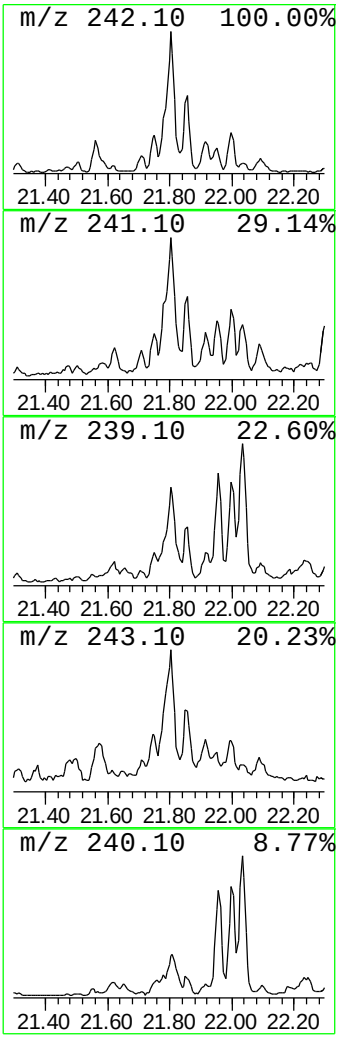
Peak Number 27 Triphenylene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.80	2.98 ng/ul	318317	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
3	Chrysene, 6-methyl-	242	C19H14	003697-24-3	93
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	92
5	Chrysene, 2-methyl-	242	C19H14	003351-32-4	91





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Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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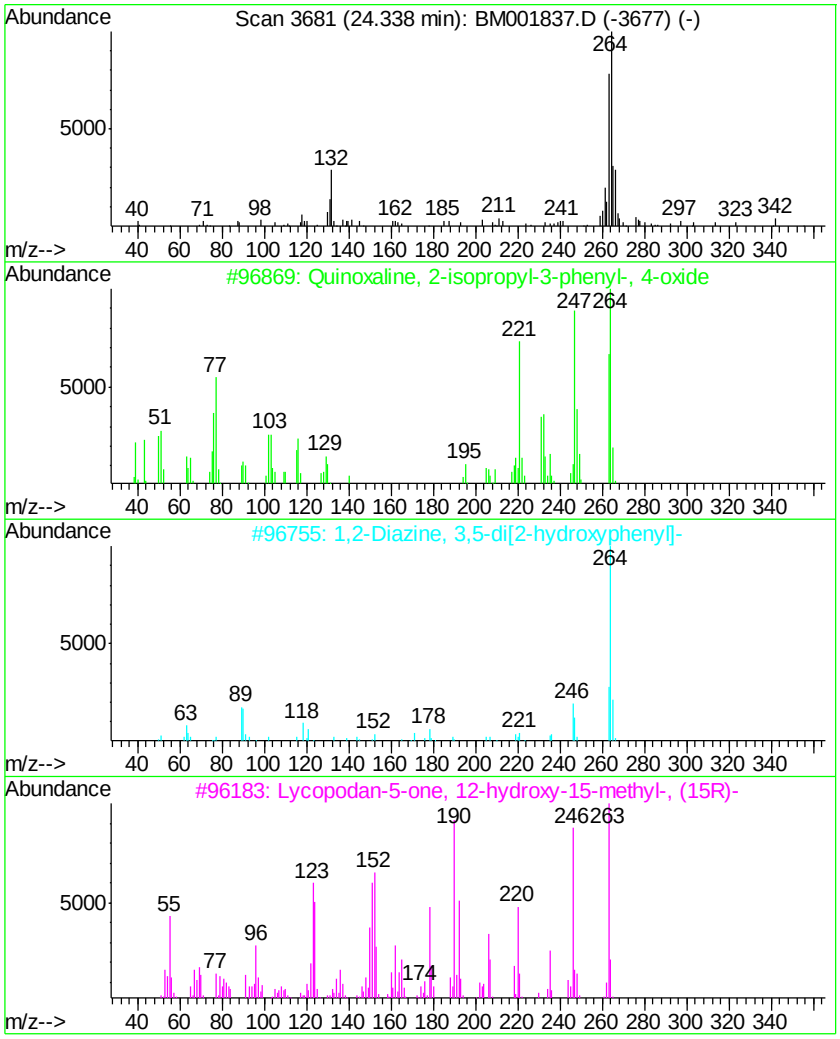
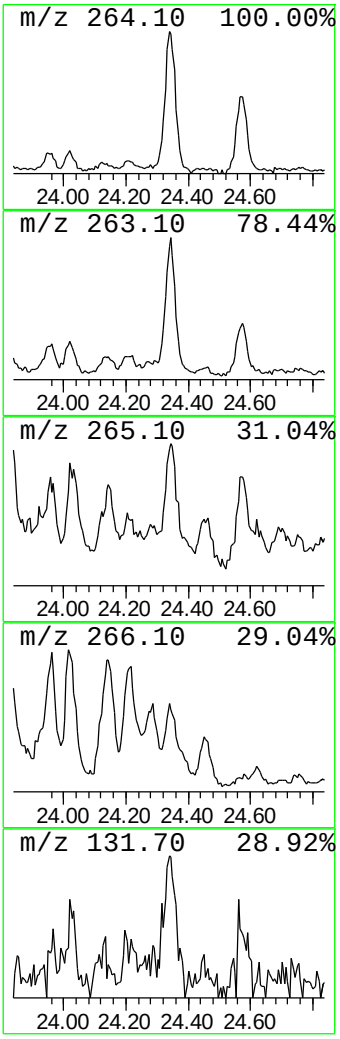
Peak Number 29 Quinoxaline, 2-isopropyl-3-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.34	4.55 ng/ul	212449	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	52
2	1,2-Diazine, 3,5-di[2-hydroxyphe...	264	C16H12N2O2	122763-54-6	27
3	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	25
4	(Z)-9-Octadecenoic acid butyl ester	338	C22H42O2	000142-77-8	16
5	p-Terphenyl, 4-chloro-	264	C18H13Cl	001762-83-0	16





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070615\
Data File : BM001837.D
Acq On : 06 Jul 2015 15:26
Operator : TP/UM
Sample : G2861-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93L9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.88	111.1	ng/ul	1847880	1	7.66	332784	20.0
unknown-01	4.79	5.3	ng/ul	88368	1	7.66	332784	20.0
Naphthalene, 1,6,...	14.93	3.6	ng/ul	117114	3	14.32	653318	20.0
Naphthalene, 1,4,...	15.10	2.3	ng/ul	74495	3	14.32	653318	20.0
unknown-02	15.57	2.7	ng/ul	86783	3	14.32	653318	20.0
Dibenzofuran, 4-m...	15.66	2.6	ng/ul	83591	3	14.32	653318	20.0
Azulene, 7-ethyl-...	16.04	4.0	ng/ul	145689	4	17.06	726217	20.0
9H-Fluorene, 1-me...	16.37	3.1	ng/ul	111138	4	17.06	726217	20.0
Dibenzothiophene	16.88	3.3	ng/ul	118382	4	17.06	726217	20.0
9H-Fluorene, 2,3-...	17.25	2.8	ng/ul	103073	4	17.06	726217	20.0
Dibenzothiophene,...	17.64	2.3	ng/ul	83579	4	17.06	726217	20.0
Phenanthrene, 1-m...	17.94	4.8	ng/ul	175375	4	17.06	726217	20.0
Anthracene, 9-met...	17.98	2.5	ng/ul	90362	4	17.06	726217	20.0
Phenanthrene, 2-m...	18.06	4.6	ng/ul	168481	4	17.06	726217	20.0
4H-Cyclopenta[def...	18.13	14.5	ng/ul	527054	4	17.06	726217	20.0
Anthracene, 2-met...	18.17	3.2	ng/ul	115212	4	17.06	726217	20.0
Naphthalene, 2-ph...	18.44	3.9	ng/ul	140453	4	17.06	726217	20.0
9,10-Dimethylanth...	18.86	6.3	ng/ul	228315	4	17.06	726217	20.0
Phenanthrene, 3,6...	19.00	5.7	ng/ul	206823	4	17.06	726217	20.0
Pyrene, 1-methyl-	19.82	2.4	ng/ul	256790	5	21.26	2133730	20.0
11H-Benzo[b]fluorene	19.99	3.7	ng/ul	394171	5	21.26	2133730	20.0
Fluoranthene, 2-m...	20.09	2.5	ng/ul	266817	5	21.26	2133730	20.0
Cyclopenta[cd]pyrene	20.98	2.0	ng/ul	215096	5	21.26	2133730	20.0
Triphenylene, 2-m...	21.80	3.0	ng/ul	318317	5	21.26	2133730	20.0
Quinoxaline, 2-is...	24.34	4.5	ng/ul	212449	6	23.48	933704	20.0