LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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	6.792	709	715	730	rVB	356102	609103	17.03%	1.114%
2	6.957	736	743	750	rBV	280729	445517	12.46%	0.815%
3	7.151	768	776	785	rBV	339807	559370	15.64%	1.023%
4	7.616	847	855	865	rBV	564197	909867	25.44%	1.664%
5	8.322	969	975	991	rVB	470409	802281	22.43%	1.467%
6	8.769	1044	1051	1065	rVB	388319	659020	18.43%	1.205%
7	9.486	1166	1173	1183	rBV	314416	551449	15.42%	1.009%
8	10.022	1258	1264	1275	rVB	458134	805420	22.52%	1.473%
9	10.392	1313	1327	1343	rBV	741583	1328281	37.14%	2.429%
10	10.533	1343	1351	1375	rBV	396901	791816	22.14%	1.448%
11	12.286	1643	1649	1660	rBV	80062	142073	3.97%	0.260%
12	13.439	1836	1845	1851	rBV3	52842	136688	3.82%	0.250%
13	13.586	1863	1870	1875	rBV2	134370	243186	6.80%	0.445%
14	13.680	1880	1886	1890	rVV	959297	1449860	40.54%	2.652%
15	13.721	1890	1893	1903	rVV	453568	749416	20.95%	1.371%
16	13.816	1903	1909	1913	rVV2	67300	119170	3.33%	0.218%
17	13.857	1913	1916	1922	rVB4	27024	45436	1.27%	0.083%
18	13.957	1925	1933	1944	rBV	1093294	1947461	54.45%	3.562%
19	14.268	1976	1986	1992	rVV2	999786	1695428	47.40%	3.101%
20	14.327	1992	1996	2005	rVB2	119917	211443	5.91%	0.387%
21	14.480	2016	2022	2033	rBV2	450992	854351	23.89%	1.562%
22	14.574	2033	2038	2044	rVV5	30503	69738	1.95%	0.128%
23	14.668	2047	2054	2061	rVB3	76692	157164	4.39%	0.287%
24	14.745	2062	2067	2072	rVB2	74315	107311	3.00%	0.196%
25	14.798	2072	2076	2083	rVB5	36591	62294	1.74%	0.114%
26	14.886	2083	2091	2096	rBV5	73910	171688	4.80%	0.314%
27	14.939	2096	2100	2104	rVB	46906	59284	1.66%	0.108%
28	15.057	2112	2120	2124	rBV5	62229	148715	4.16%	0.272%
29	15.133	2130	2133	2141	rVB3	39307	61299	1.71%	0.112%
30	15.262	2149	2155	2161	rVV	1498095	2230392	62.36%	4.079%
31	15.315	2161	2164	2168	rVB2	75169	106236	2.97%	0.194%
32	15.398	2173	2178	2184	rBV2	415167	655811	18.34%	1.199%
33	15.533	2197	2201	2205	rVB4	71769	107766	3.01%	0.197%
34	15.610	2211	2214	2225	rVB7	45701	118210	3.31%	0.216%

LSC Area Percent Report

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Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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	15.733	2231	2235	2239	rBV3	55937	87766	2.45%	0.161%
36	15.992	2275	2279	2294	rVB3	91754	241403	6.75%	0.441%
37	16.327	2328	2336	2340	rBV4	103359	242969	6.79%	0.444%
38	16.374	2340	2344	2350	rVB	93414	147705	4.13%	0.270%
39	16.474	2357	2361	2367	rVB3	74289	116365	3.25%	0.213%
40	16.592	2378	2381	2386	rVB3	51566	71947	2.01%	0.132%
41	16.680	2392	2396	2402	rVB2	59125	100059	2.80%	0.183%
42	16.833	2417	2422	2426	rBV2	110404	154485	4.32%	0.283%
43	17.015	2447	2453	2457	rBV	1288916	1963368	54.90%	3.591%
44	17.057	2457	2460	2465	rVB	655830	850251	23.77%	1.555%
45	17.115	2465	2470	2474	rBV2	1714356	2553961	71.41%	4.671%
46	17.209	2481	2486	2491	rBV4	68486	130469	3.65%	0.239%
47	17.433	2520	2524	2527	rBV5	40069	71966	2.01%	0.132%
48	17.592	2548	2551	2557	rVB	77444	105566	2.95%	0.193%
49	17.739	2571	2576	2583	rVB2	59286	125407	3.51%	0.229%
50	17.892	2597	2602	2606	rBV	294639	430245	12.03%	0.787%
51	17.939	2606	2610	2616	rVB	295111	445961	12.47%	0.816%
52	18.021	2619	2624	2629	rBV	201407	310192	8.67%	0.567%
53	18.080	2629	2634	2639	rVV2	476212	1003062	28.05%	1.834%
54	18.121	2639	2641	2646	rVB	284756	357033	9.98%	0.653%
55	18.286	2667	2669	2673	rVB2	47980	62256	1.74%	0.114%
56	18.392	2683	2687	2692	rVB	158640	213512	5.97%	0.390%
57	18.615	2721	2725	2727	rBV2	56683	85208	2.38%	0.156%
58	18.645	2727	2730	2733	rVV	99253	133804	3.74%	0.245%
59	18.692	2735	2738	2742	rVV	109579	177428	4.96%	0.324%
60	18.733	2742	2745	2749	rVB3	78355	111209	3.11%	0.203%
61	18.815	2754	2759	2764	rVV	339014	619706	17.33%	1.133%
62	18.880	2764	2770	2773	rVV3	239771	516936	14.45%	0.945%
63	18.909	2773	2775	2779	rVV	131570	163689	4.58%	0.299%
64	18.980	2779	2787	2797	rVV5	128949	509472	14.24%	0.932%
65	19.080	2799	2804	2810	rVV	772856	1069635	29.91%	1.956%
66	19.145	2811	2815	2818	rVV4	117478	173132	4.84%	0.317%
67	19.180	2818	2821	2825	rVV3	63388	86666	2.42%	0.158%
68	19.233	2826	2830	2835	rVB	265393	337986	9.45%	0.618%
69	19.350	2848	2850	2855	rVB2	101689	146660	4.10%	0.268%
70	19.421	2856	2862	2865	rVV	2163718	3554045	99.37%	6.500%
71	19.445	2865	2866	2876	rVB	1041465	1132576	31.67%	2.071%

LSC Area Percent Report

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Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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	19.527	2876	2880	2885	rBV3	111221	175427	4.90%	0.321%
73	19.686	2904	2907	2913	rVB4	88048	130698	3.65%	0.239%
74	19.774	2917	2922	2932	rBV2	187474	422131	11.80%	0.772%
75	19.909	2940	2945	2947	rBV2	167973	268537	7.51%	0.491%
76	19.945	2947	2951	2956	rVB2	391654	583906	16.33%	1.068%
77	20.015	2960	2963	2965	rBV3	64261	85450	2.39%	0.156%
78	20.045	2965	2968	2974	rVB	313123	384742	10.76%	0.704%
79	20.103	2974	2978	2982	rBV2	232826	283014	7.91%	0.518%
80	20.203	2991	2995	2998	rBV	148959	212223	5.93%	0.388%
81	20.245	2998	3002	3006	rVV	206007	293460	8.21%	0.537%
82	20.292	3006	3010	3015	rVB2	232804	326995	9.14%	0.598%
83	20.862	3104	3107	3110	rBV	117625	130581	3.65%	0.239%
84	20.897	3110	3113	3117	rVB	120110	141776	3.96%	0.259%
85	20.939	3117	3120	3124	rBV	92629	144194	4.03%	0.264%
86	21.215	3160	3167	3171	rBV2	2068529	3576531	100.00%	6.541%
87	21.250	3171	3173	3184	rVB	635429	866189	24.22%	1.584%
88	21.333	3184	3187	3190	rBV2	85594	97208	2.72%	0.178%
89	21.368	3191	3193	3199	rBV4	94880	158460	4.43%	0.290%
90	21.703	3248	3250	3253	rBV2	67416	73872	2.07%	0.135%
91	21.762	3257	3260	3265	rVV	255564	378685	10.59%	0.693%
92	21.809	3266	3268	3273	rVB	145098	164631	4.60%	0.301%
93	21.950	3289	3292	3295	rBV	126824	183063	5.12%	0.335%
94	21.986	3296	3298	3304	rVB2	168454	207635	5.81%	0.380%
95	22.756	3424	3429	3434	rBV	277550	672921	18.81%	1.231%
96	22.927	3455	3458	3463	rVB	166159	253161	7.08%	0.463%
97	23.227	3504	3509	3512	rBV	240343	435015	12.16%	0.796%
98	23.280	3512	3518	3522	rVV2	1697474	3241281	90.63%	5.928%
99	23.321	3522	3525	3531	rVB	472527	742100	20.75%	1.357%
100	23.415	3534	3541	3547	rBV	1233315	2328546	65.11%	4.259%

Sum of corrected areas: 54679076

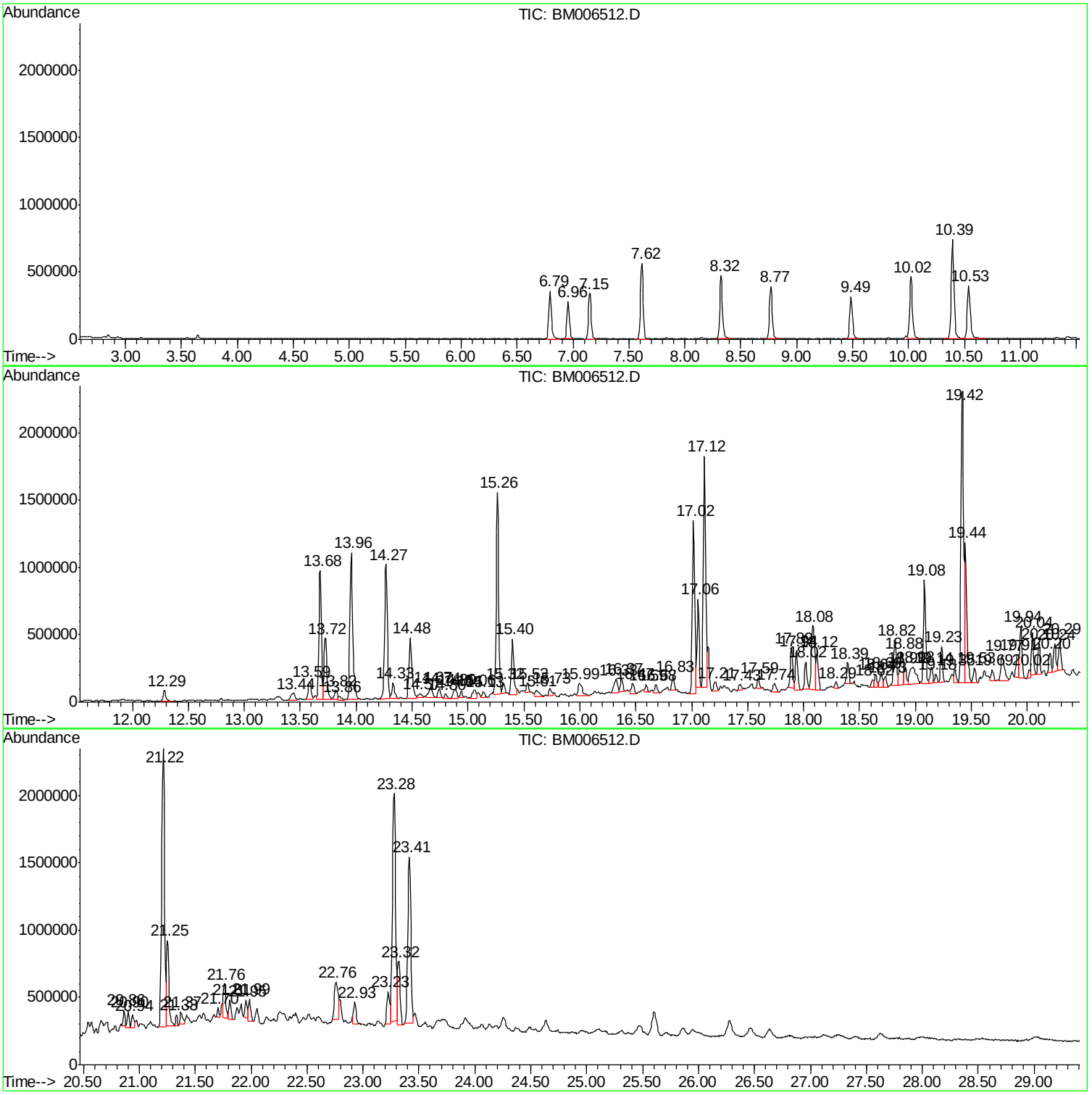
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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 : BM006512.D
Acq On : 17 Jul 2016 12:23
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION

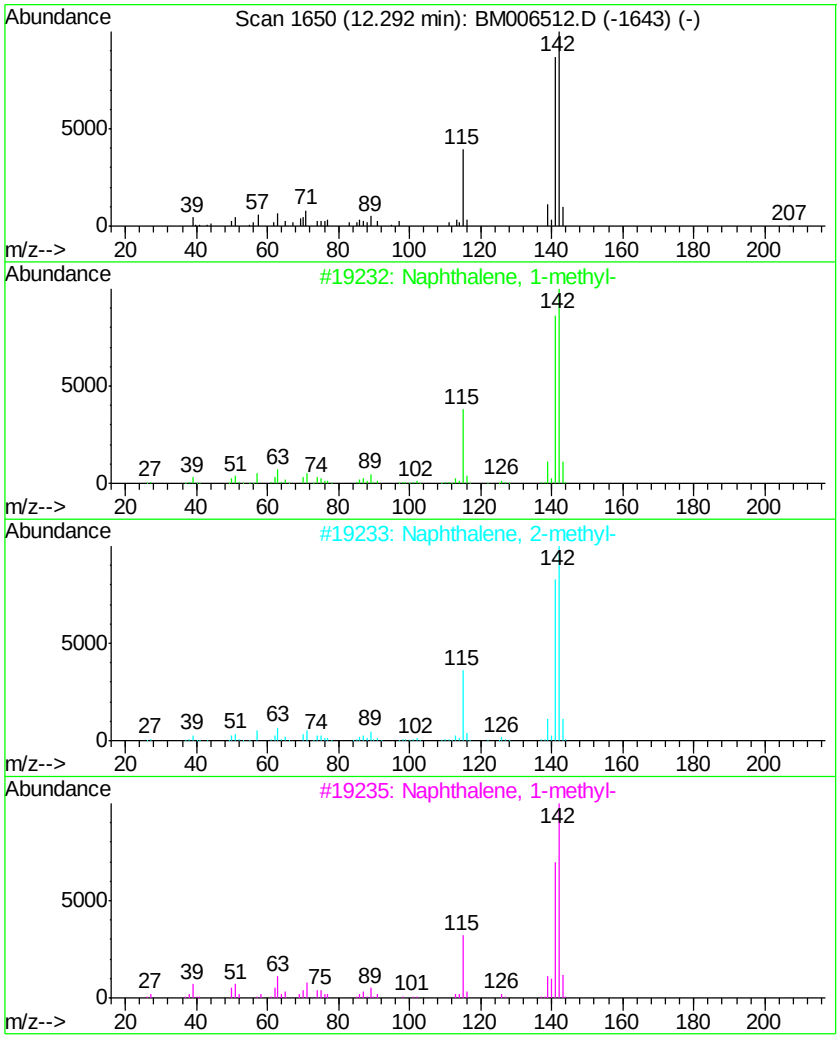
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

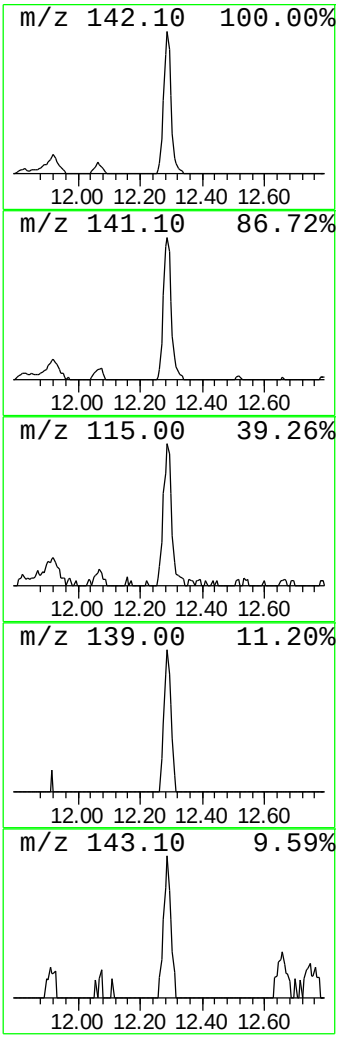
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.14 ng/ul	142073	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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

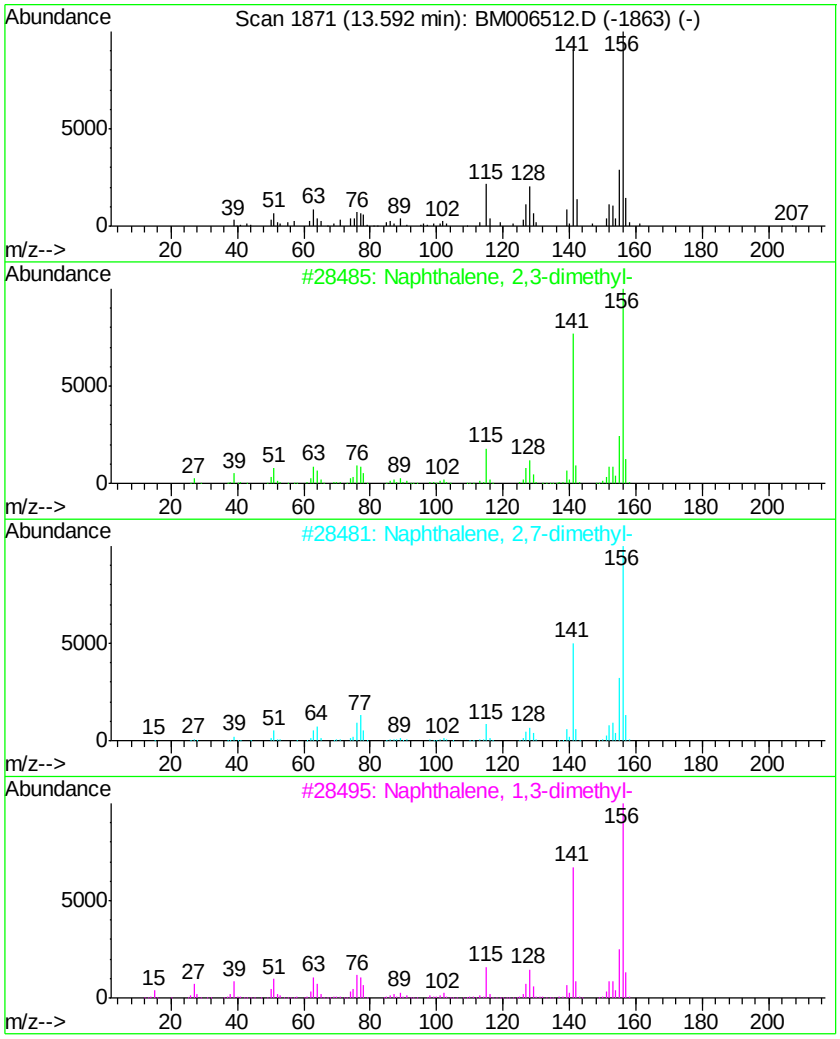
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

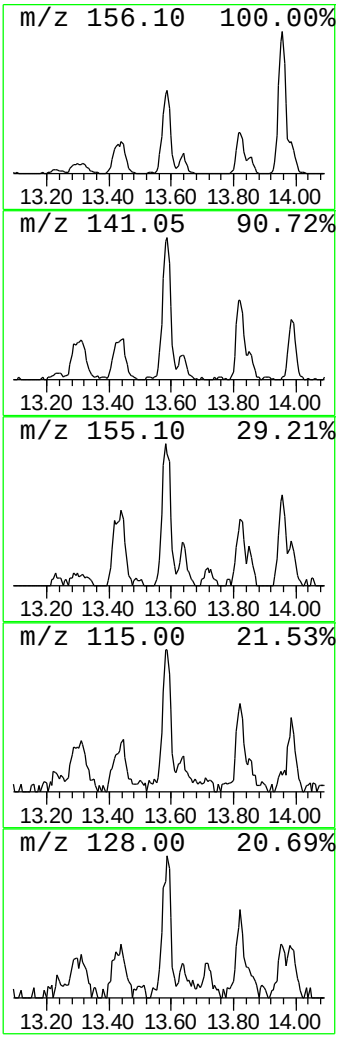
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	2.87 ng/ul	243186	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Data File : BM006512.D
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Operator : UM/SJ
Sample : H3985-18
Misc :
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Instrument : BNA_M
ClientSampleId : BDJ53

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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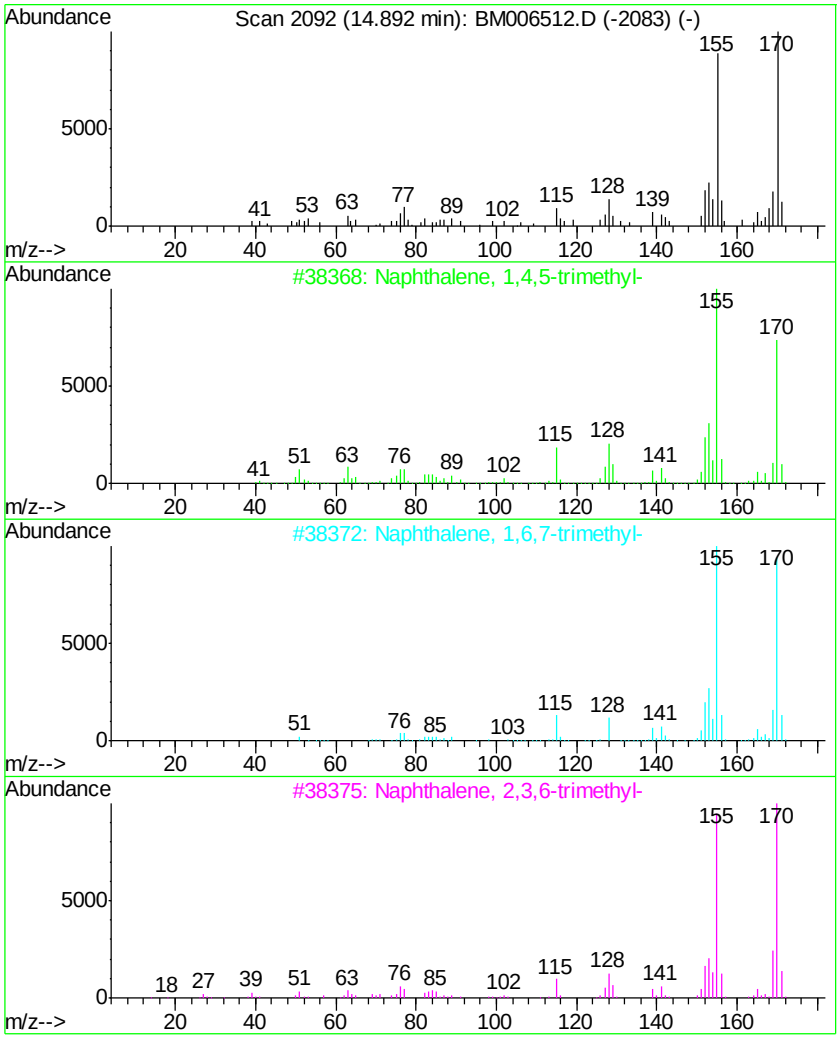
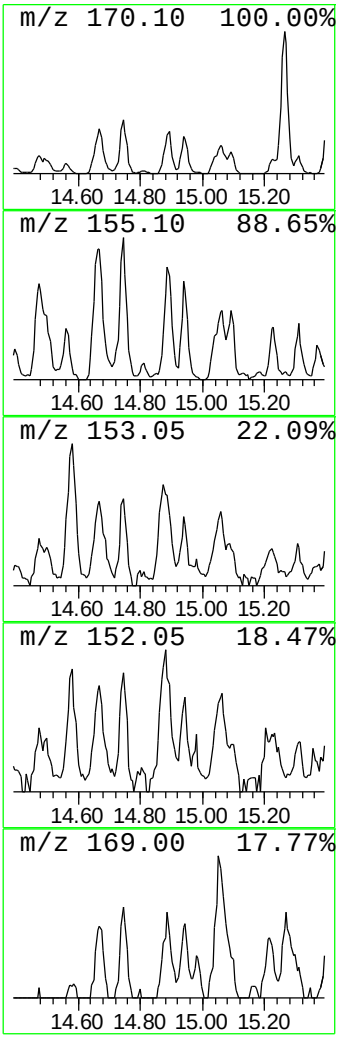
Peak Number 3 Naphthalene, 1,4,5-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	2.03 ng/ul	171688	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
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Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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

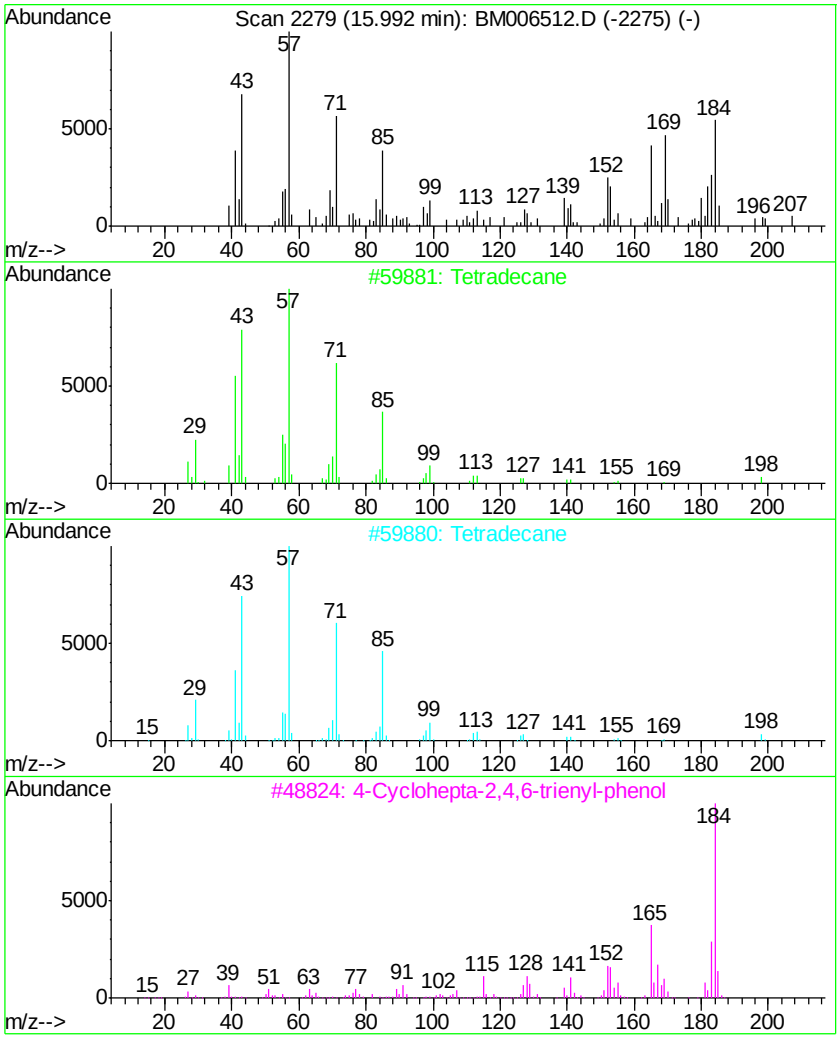
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

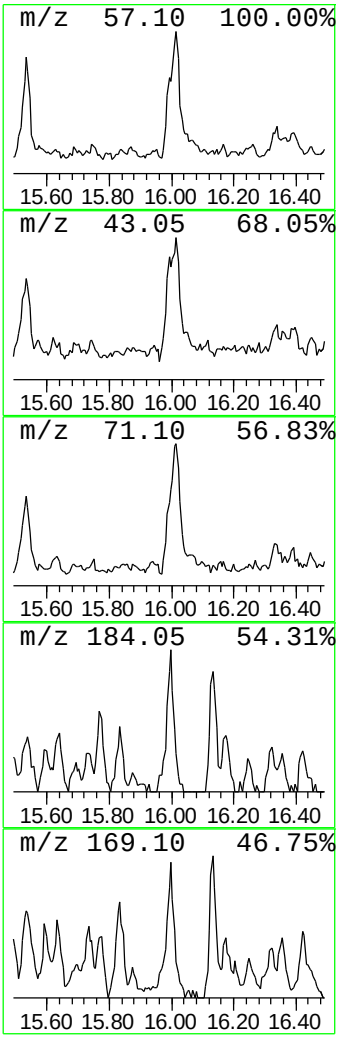
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	2.46 ng/ul	241403	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	53
2	Tetradecane	198	C14H30	000629-59-4	53
3	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	50
4	Dodecane	170	C12H26	000112-40-3	48
5	Dodecane	170	C12H26	000112-40-3	43





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Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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

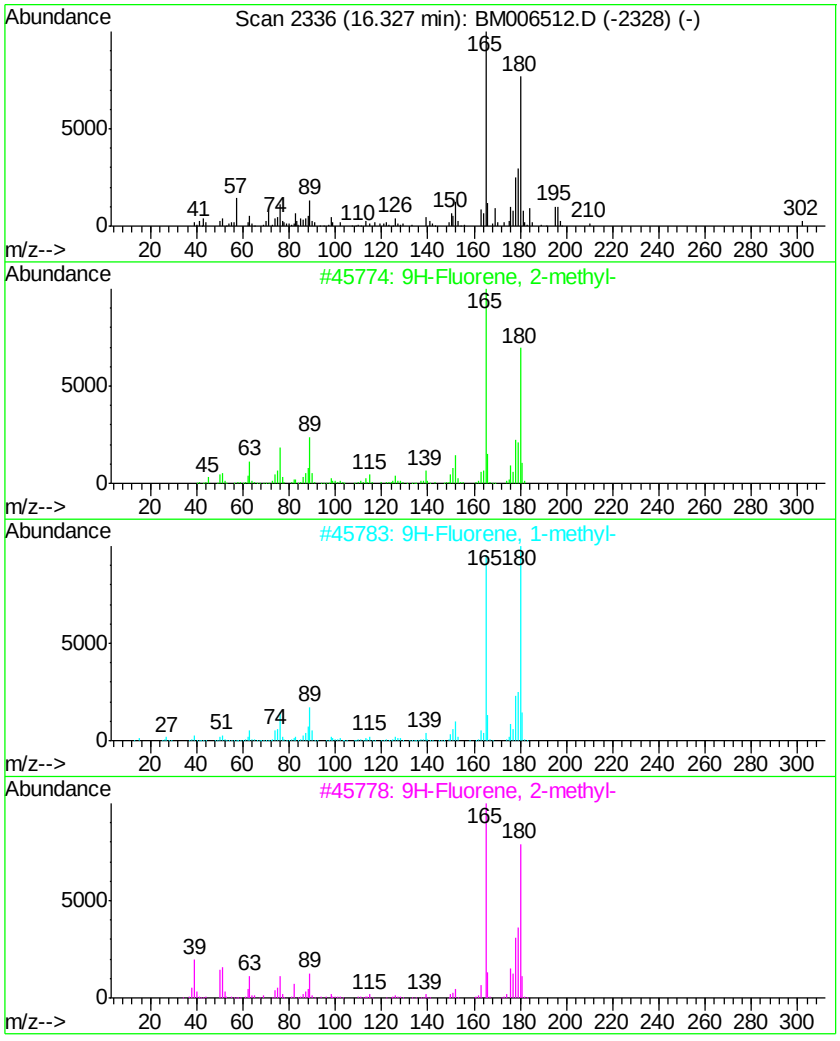
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

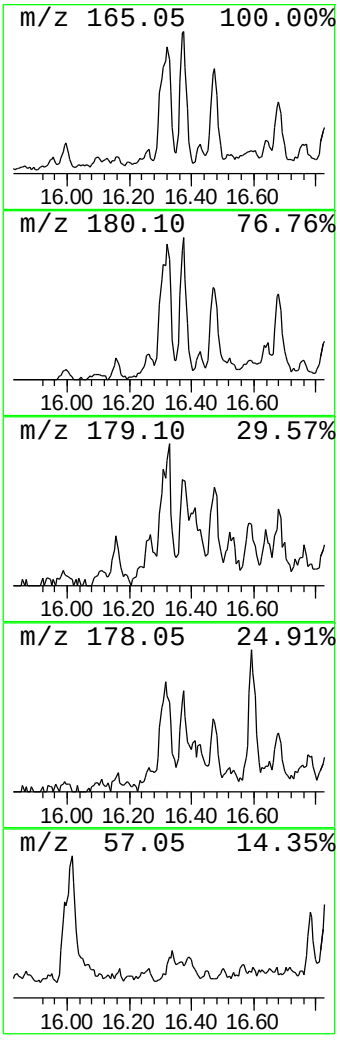
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	2.48 ng/ul	242969	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76





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Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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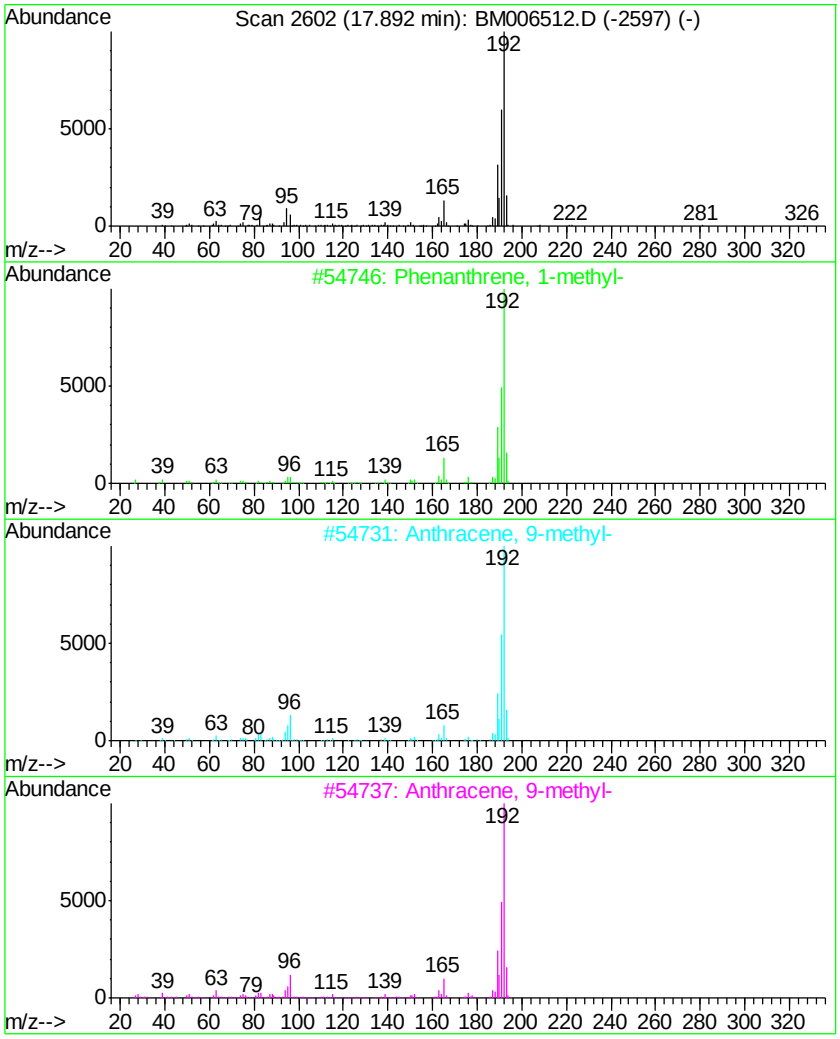
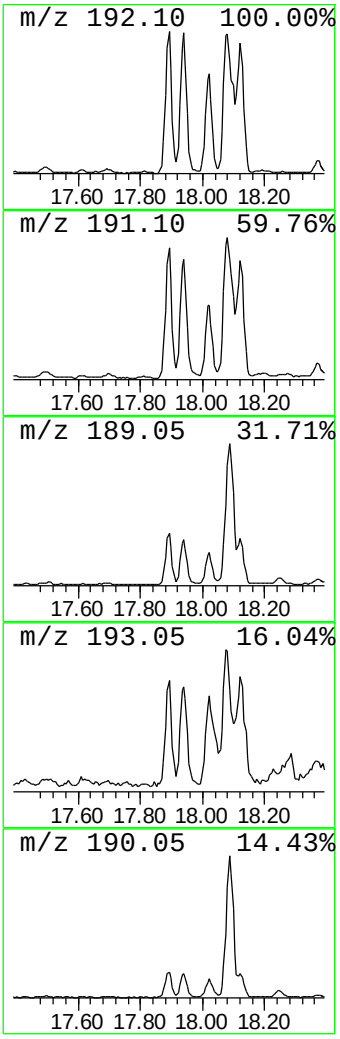
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	4.38 ng/ul	430245	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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

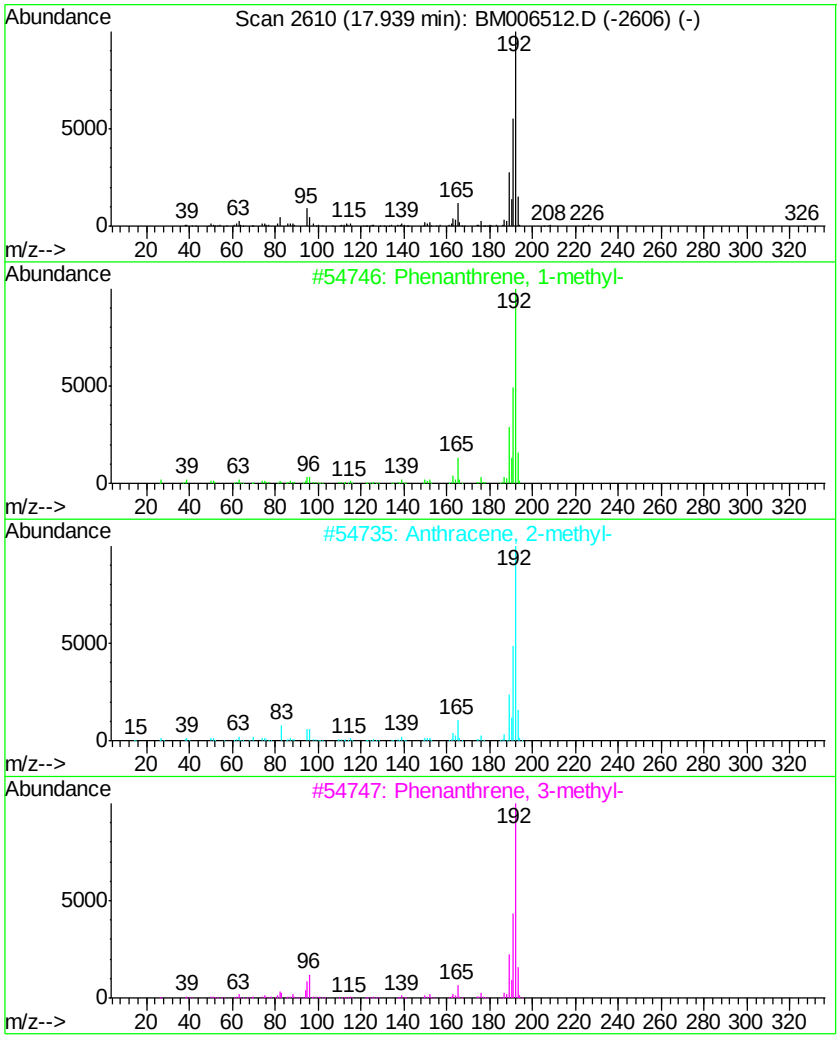
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

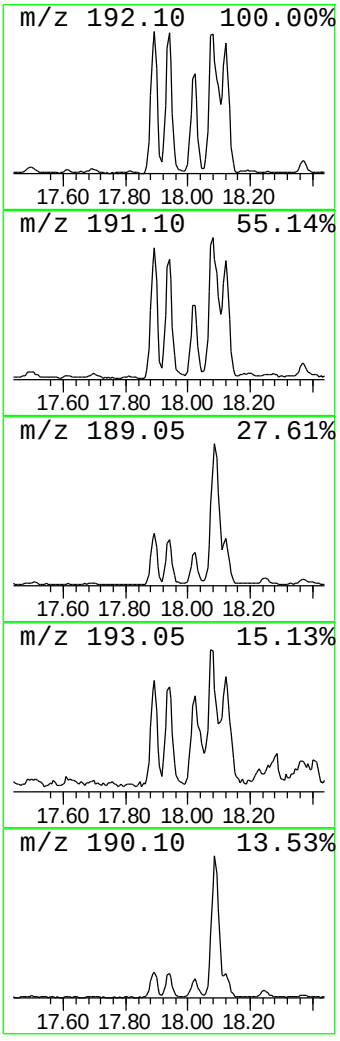
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.54 ng/ul	445961	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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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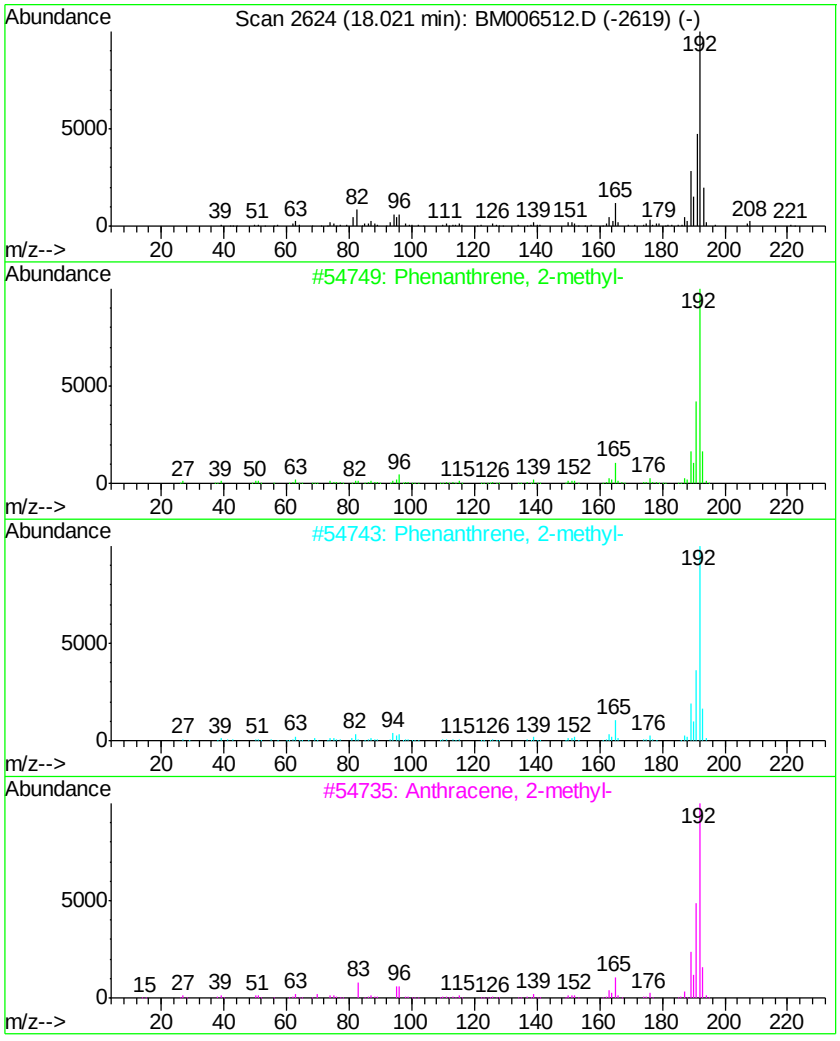
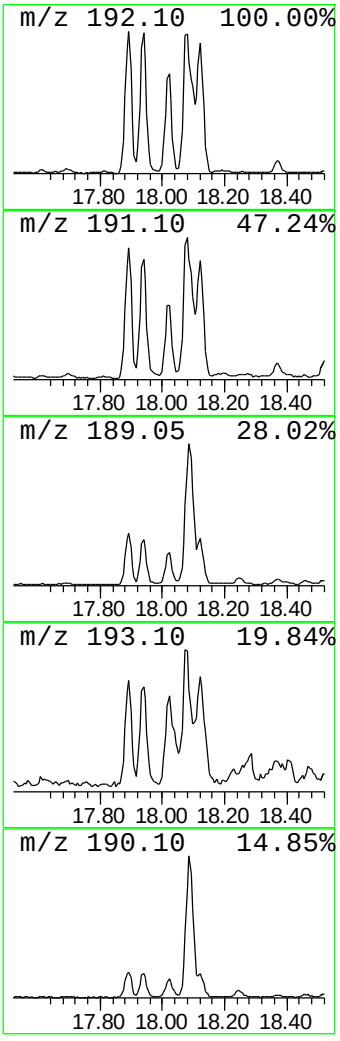
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	3.16 ng/ul	310192	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

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Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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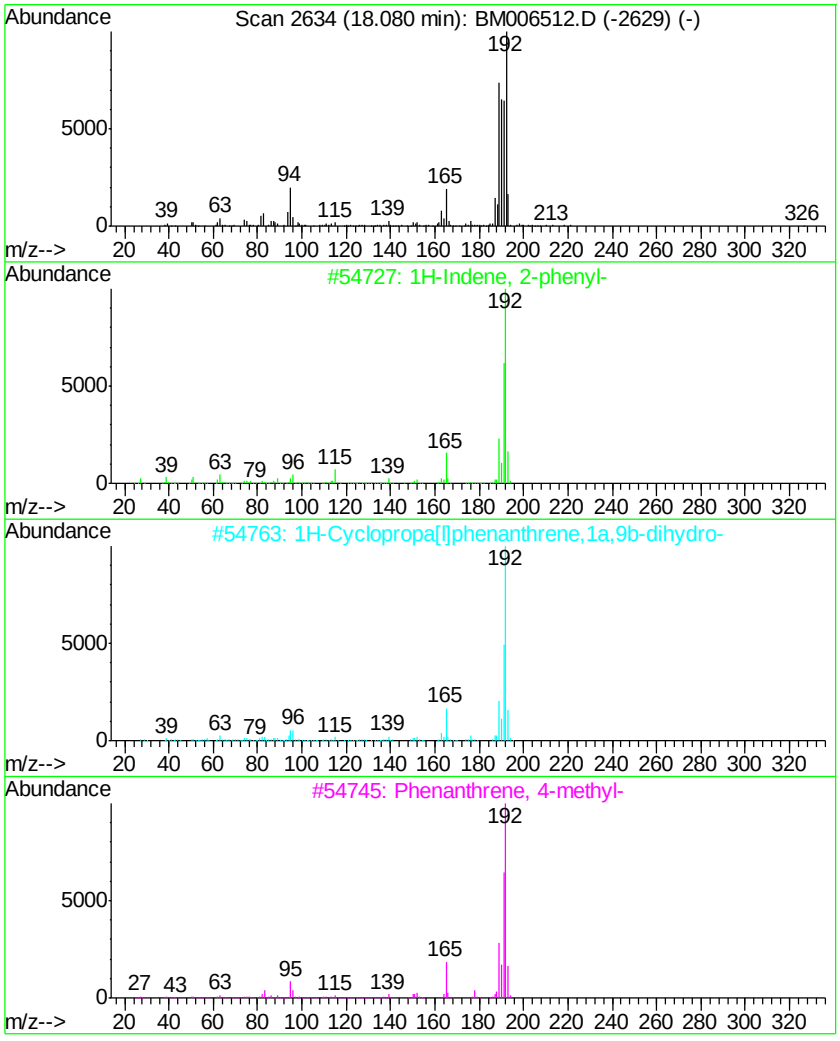
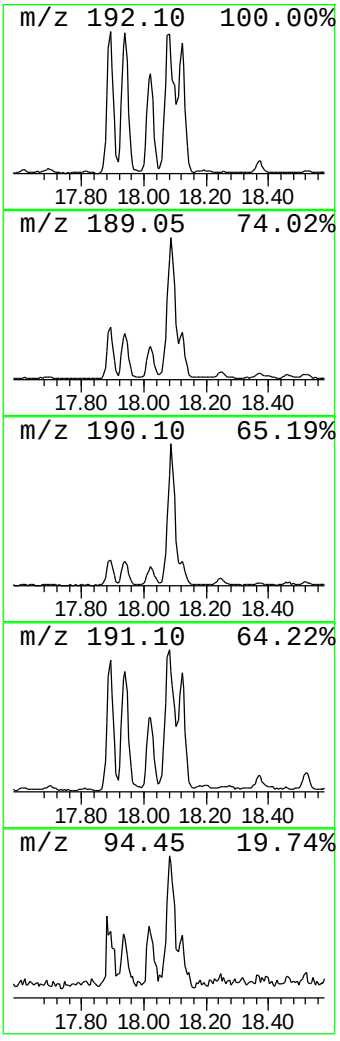
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	10.22 ng/ul	1003060	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50





Library Search Compound Report

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Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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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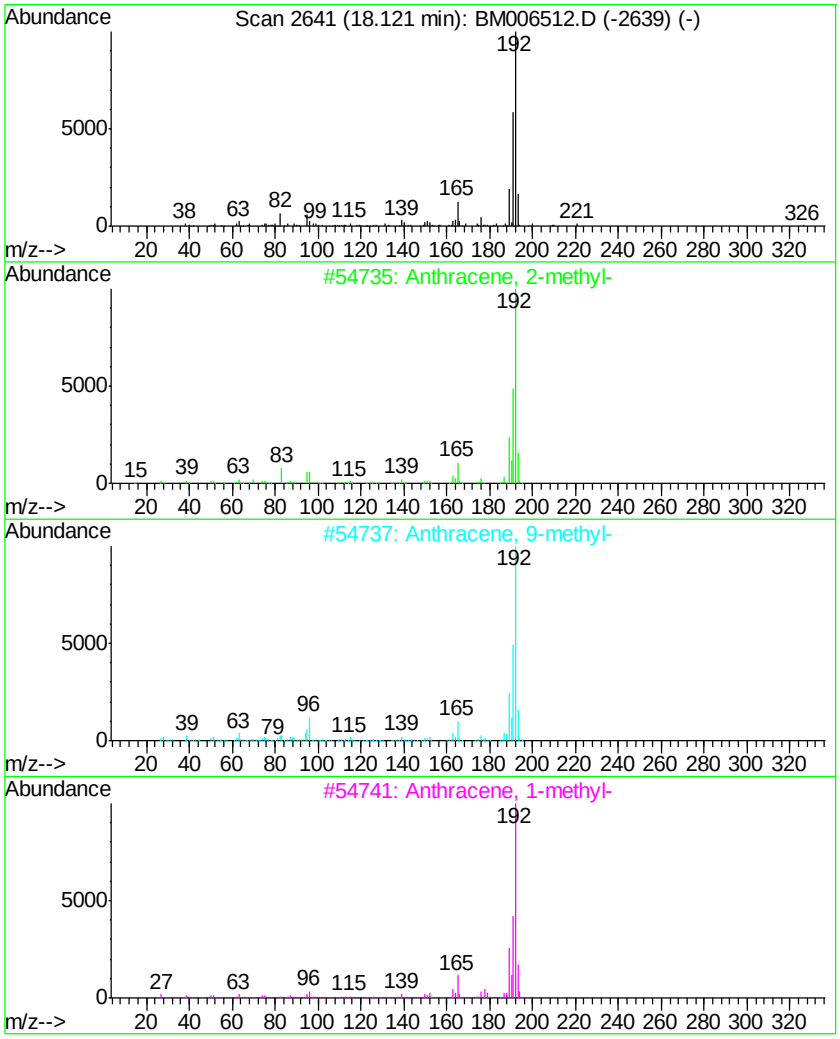
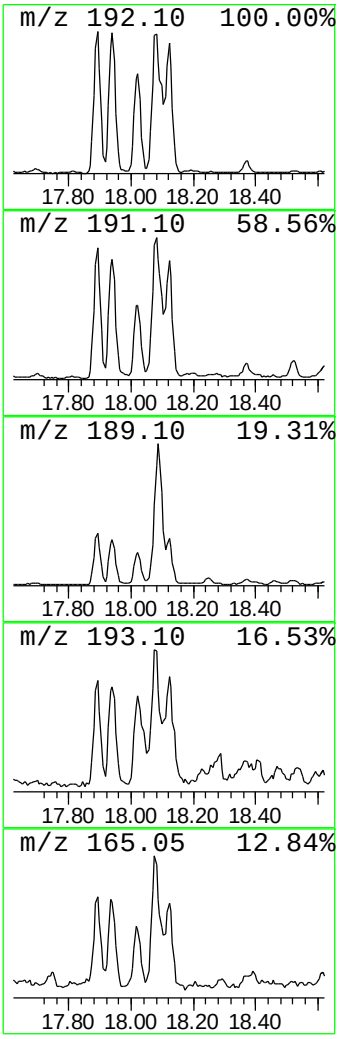
Peak Number 10 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	3.64 ng/ul	357033	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80





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Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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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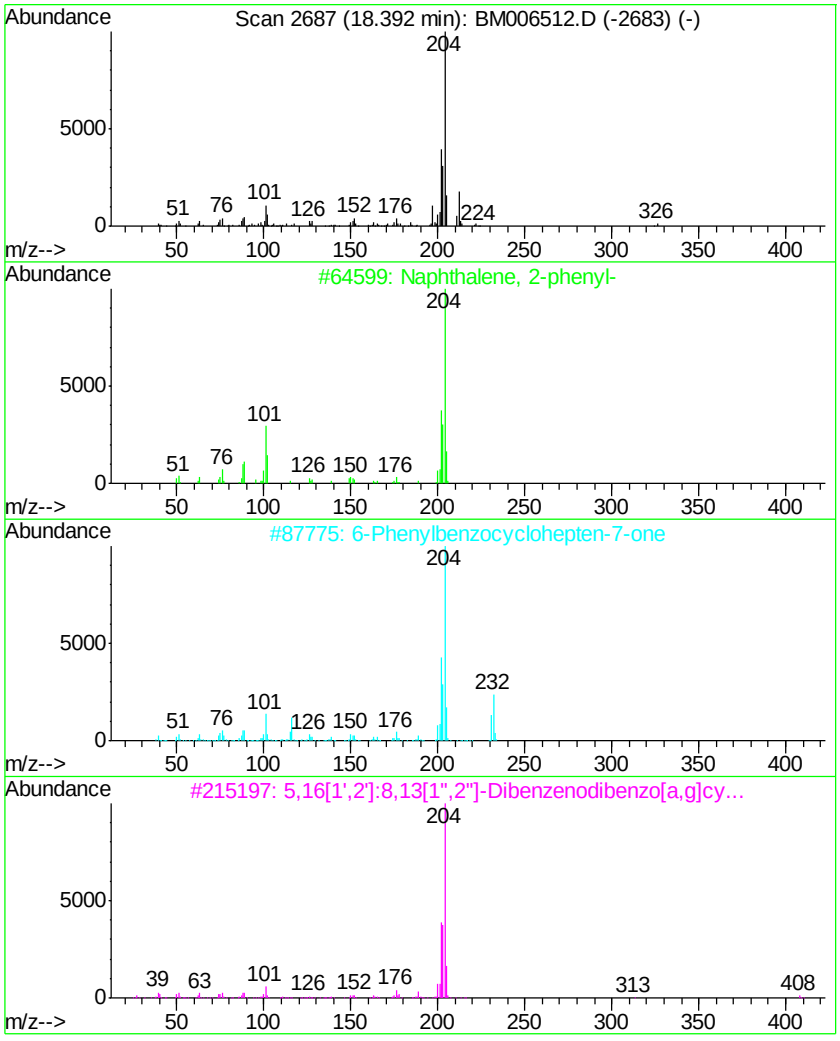
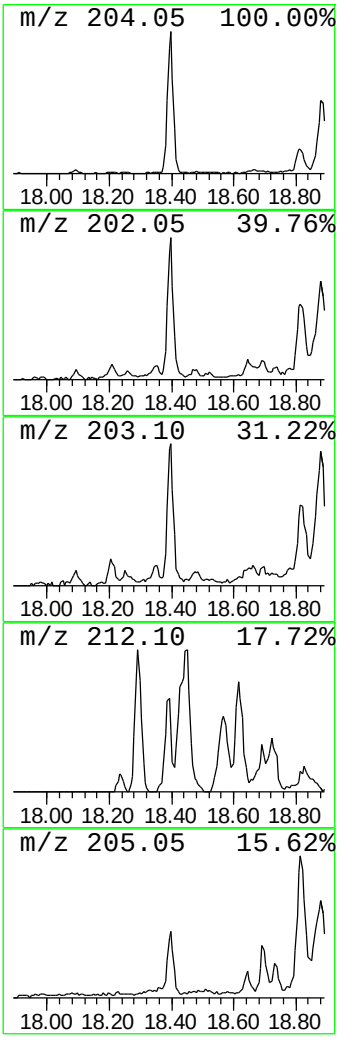
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.17 ng/ul	213512	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	80
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60





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Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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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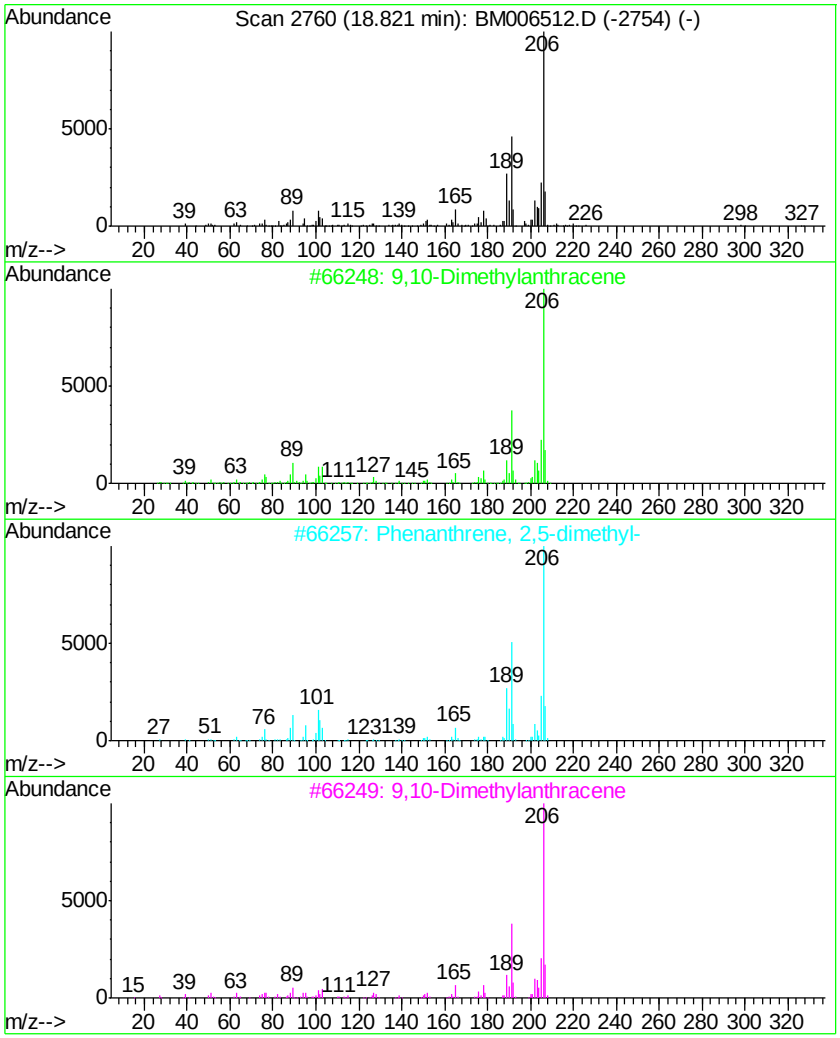
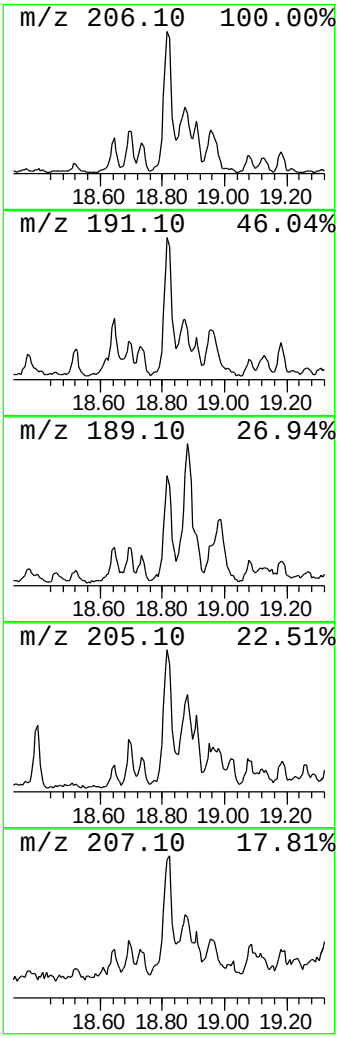
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	6.31 ng/ul	619706	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	89





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Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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Quant Title : SVOA CALIBRATION

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

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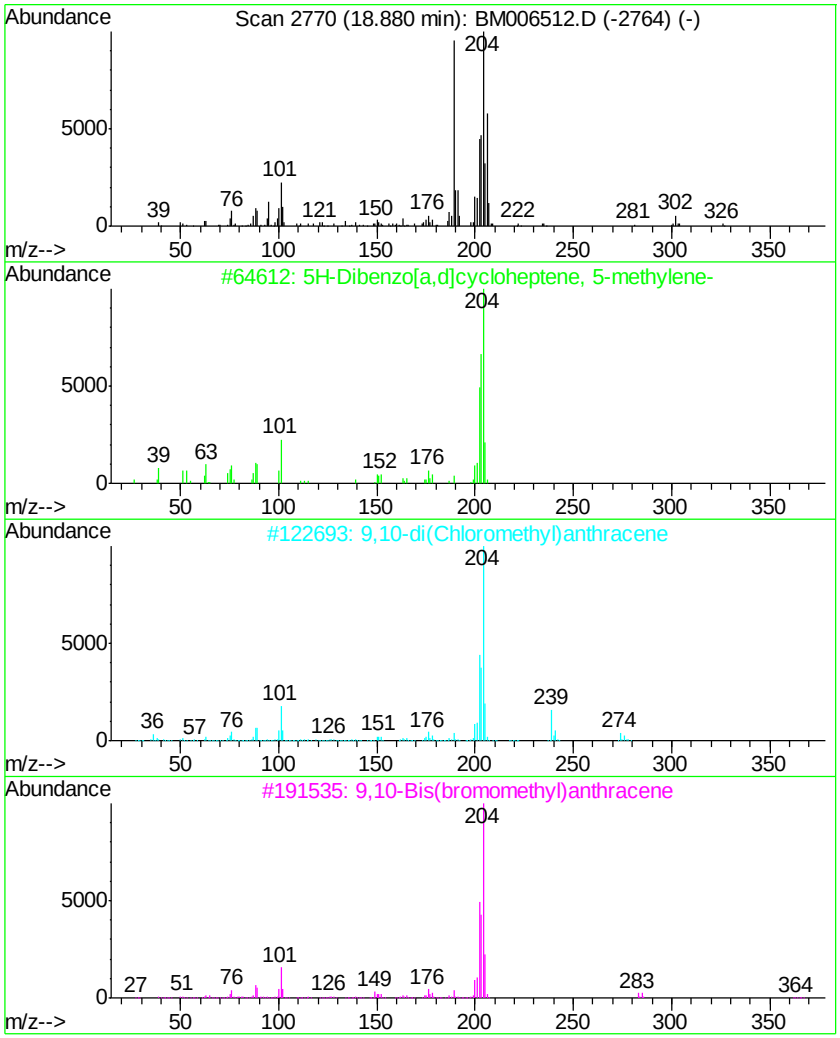
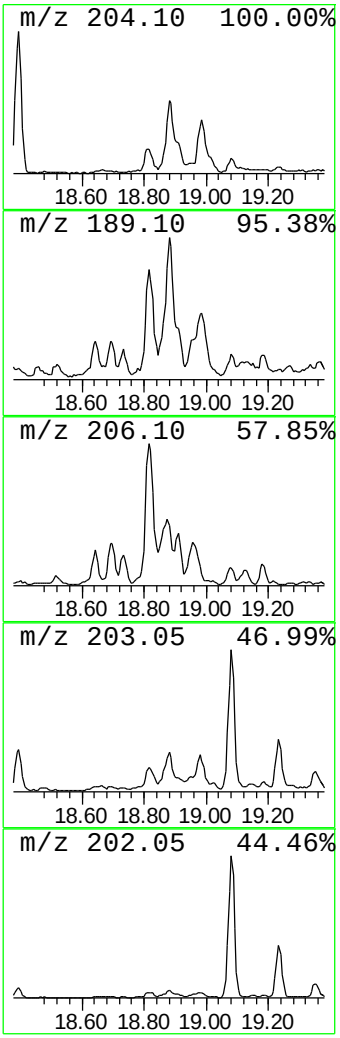
Peak Number 13 5H-Dibenzo[a,d]cycloheptene... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	5.27 ng/ul	516936	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	56
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	49
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





Library Search Compound Report

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Sample : H3985-18
Misc :
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Instrument : BNA_M
ClientSampleId : BDJ53

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Quant Title : SVOA CALIBRATION

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

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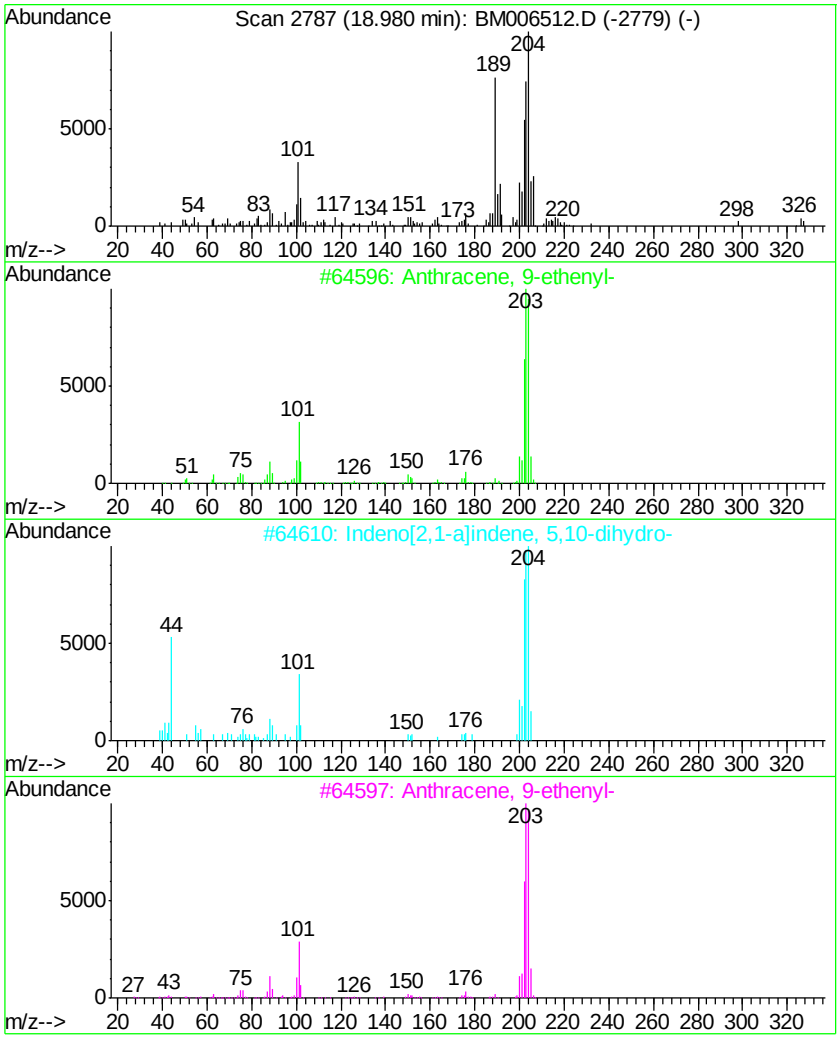
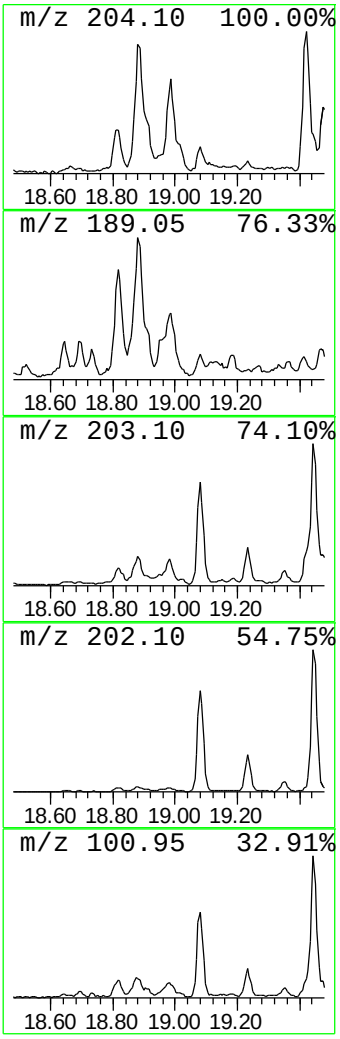
Peak Number 14 Anthracene, 9-ethenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	5.19 ng/ul	509472	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	64
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	64
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	50
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45





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Sample : H3985-18
Misc :
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Instrument : BNA_M
ClientSampleId : BDJ53

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Quant Title : SVOA CALIBRATION

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

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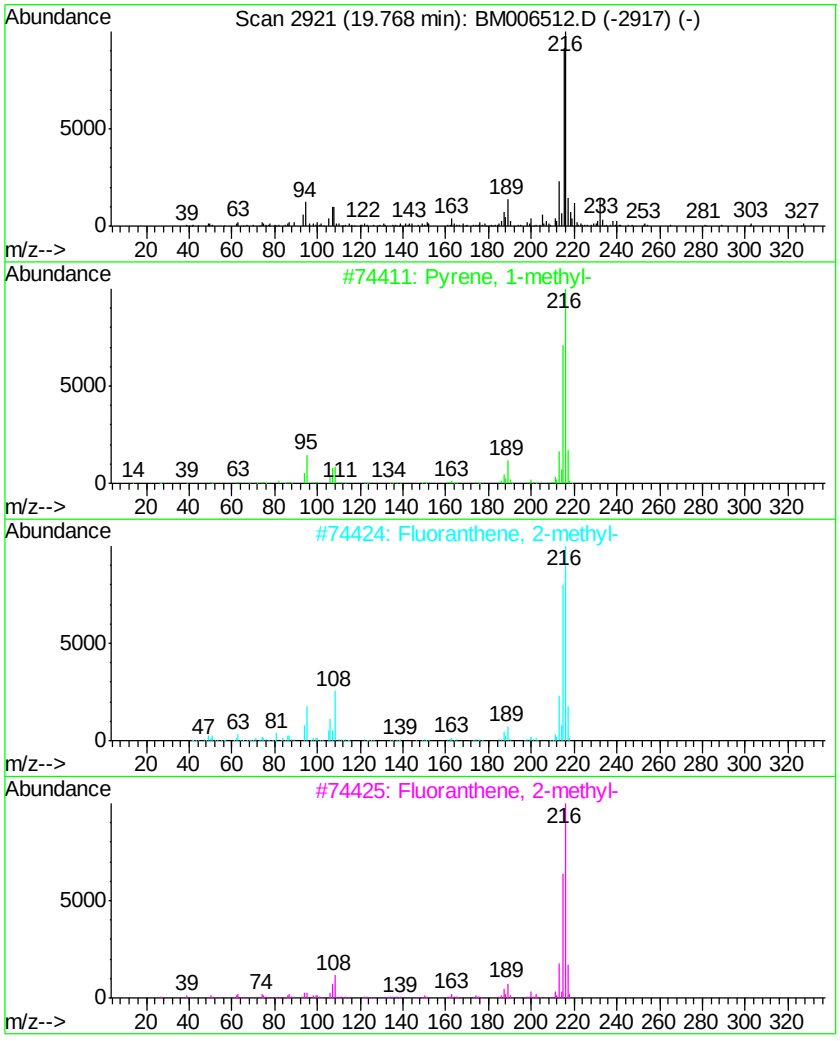
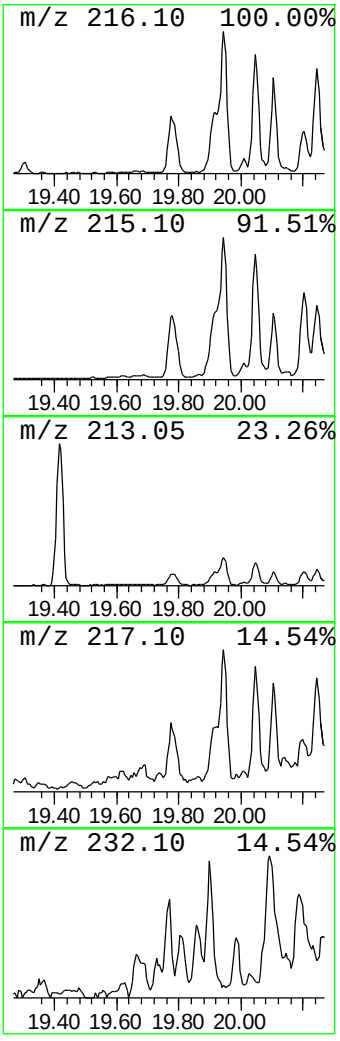
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.36 ng/ul	422131	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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Quant Title : SVOA CALIBRATION

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

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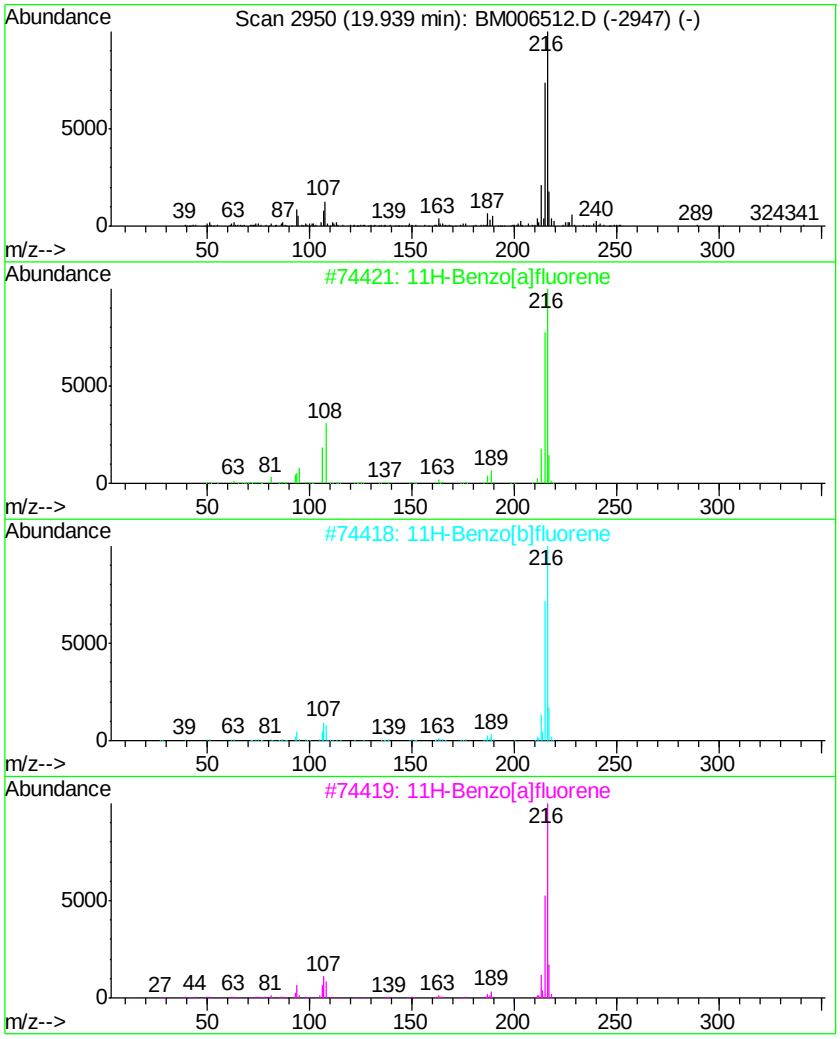
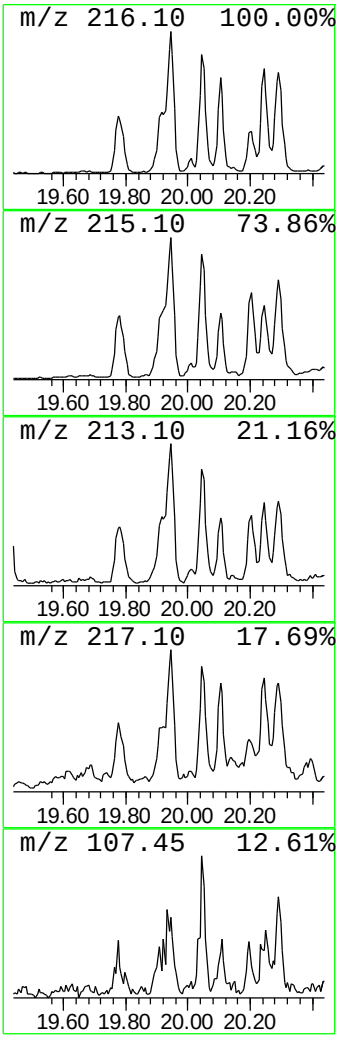
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	3.27 ng/ul	583906	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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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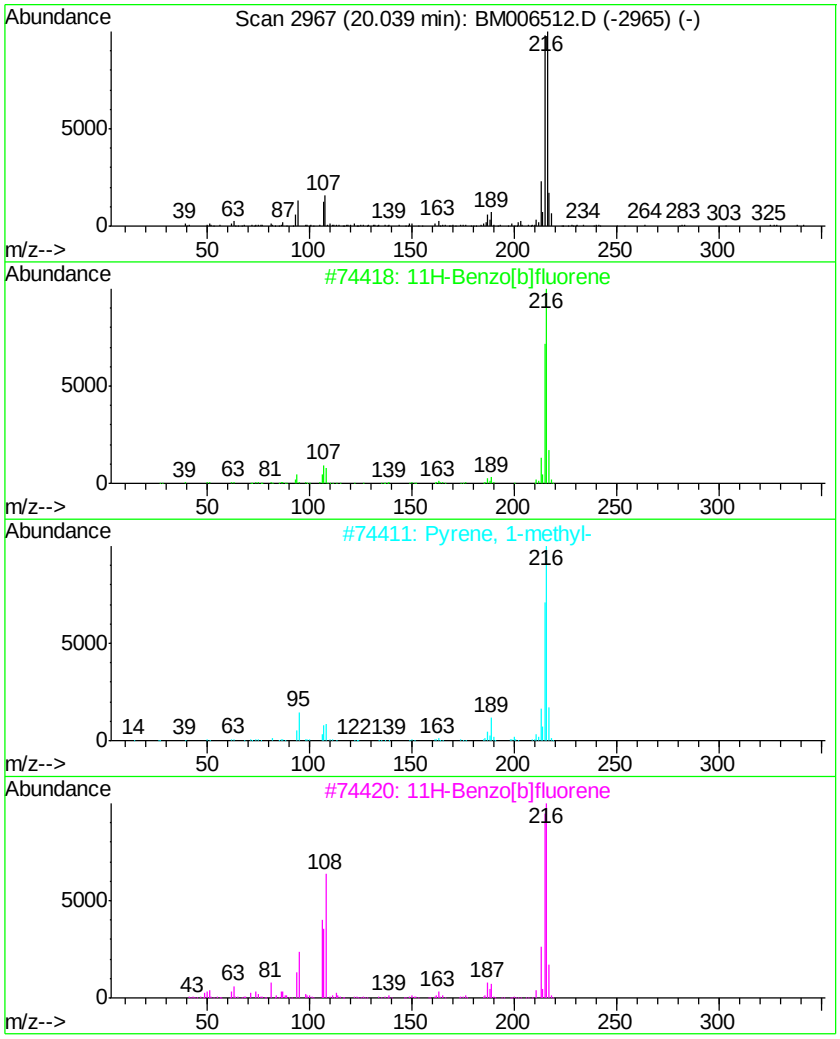
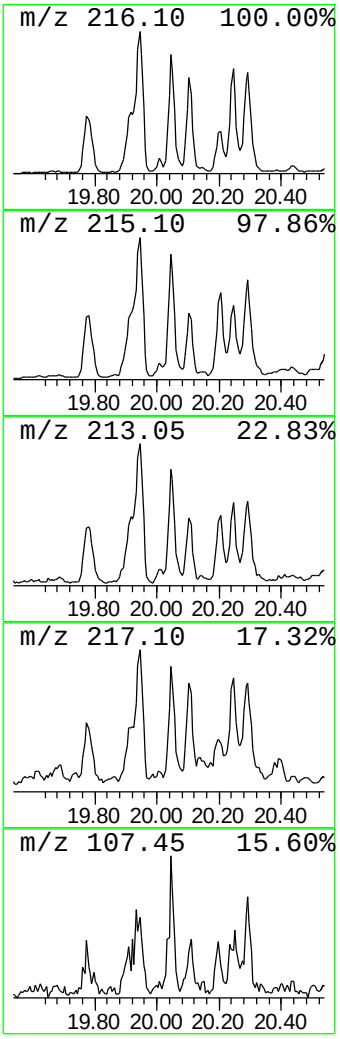
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.15 ng/ul	384742	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	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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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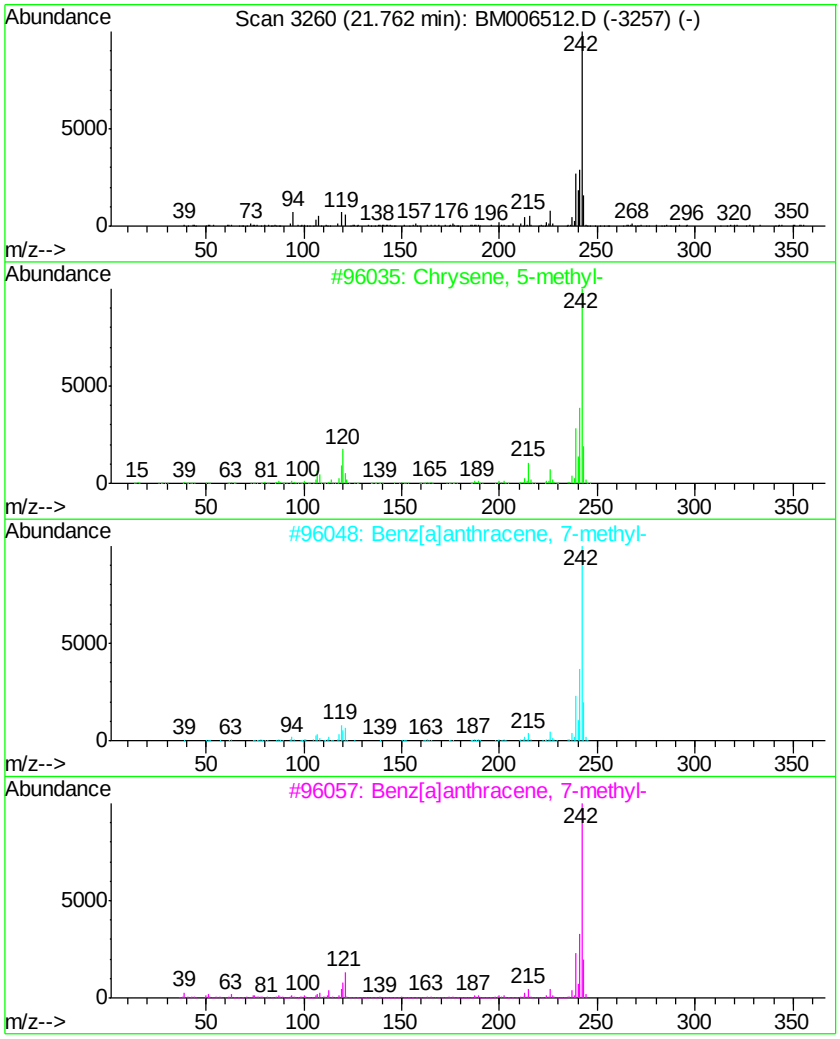
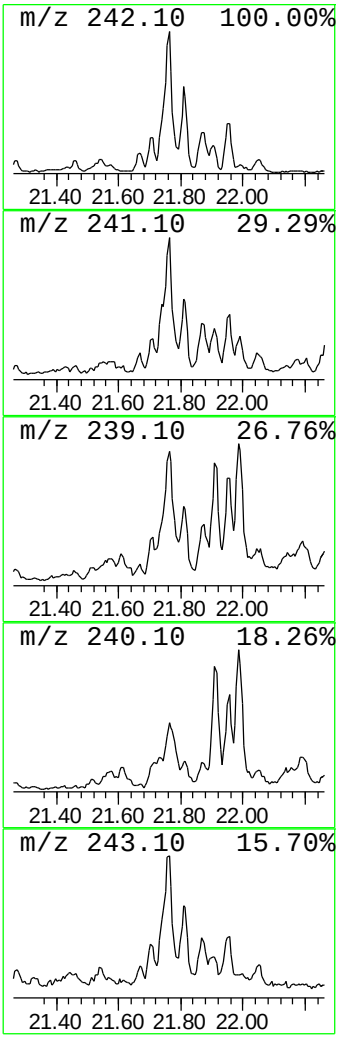
Peak Number 18 Chrysene, 5-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	2.12 ng/ul	378685	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	81
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	81
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	74





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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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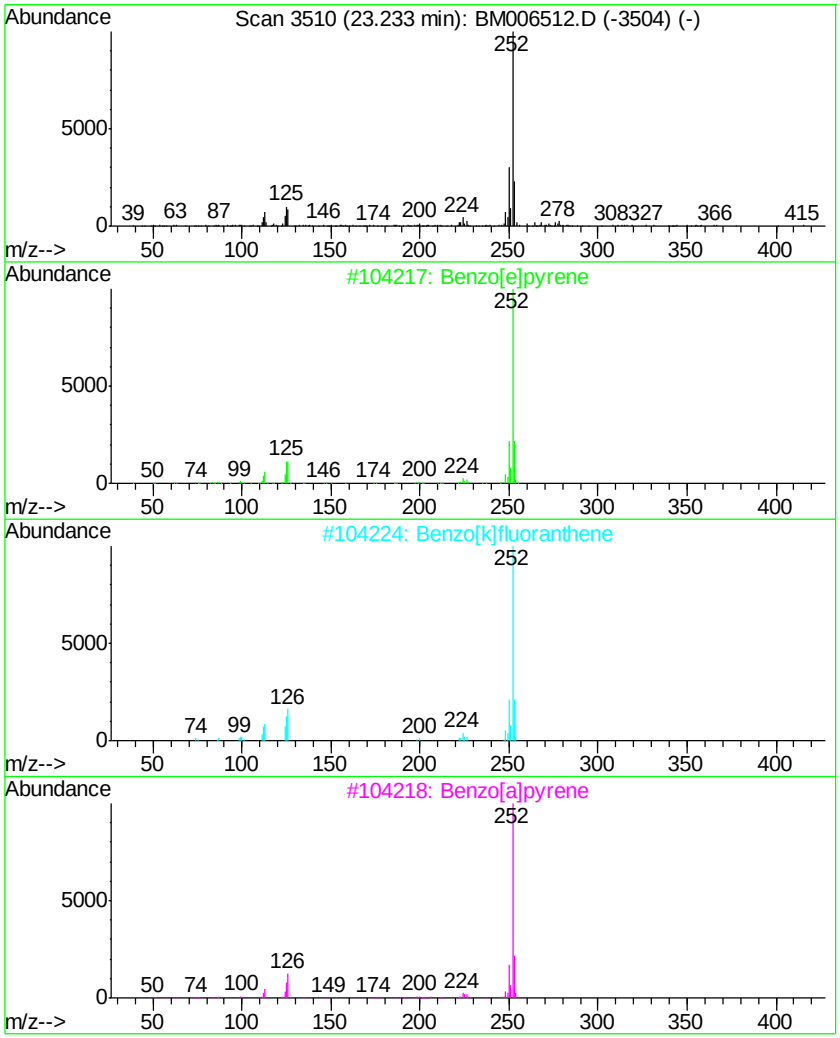
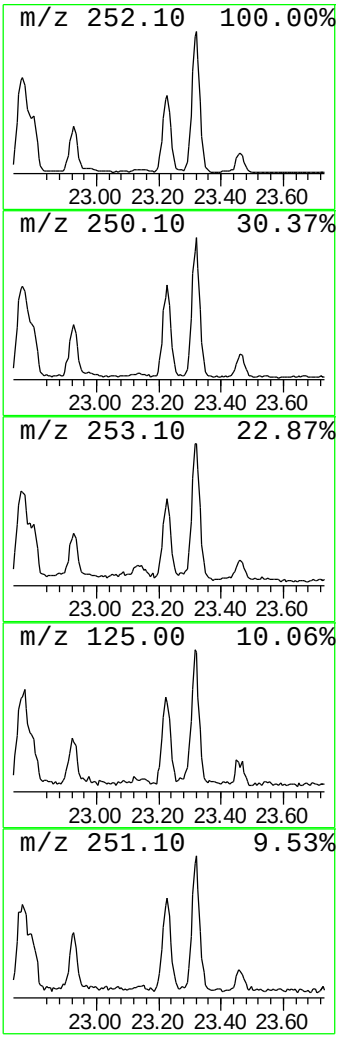
Peak Number 20 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.23	3.74 ng/ul	435015	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006512.D
Acq On : 17 Jul 2016 12:23
Operator : UM/SJ
Sample : H3985-18
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDJ53

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
Naphthalene, 1-me...	12.29	2.1	ng/ul	142073	2	10.39	1328280	20.0
Naphthalene, 2,3-...	13.59	2.9	ng/ul	243186	3	14.26	1695430	20.0
Naphthalene, 1,4,...	14.89	2.0	ng/ul	171688	3	14.26	1695430	20.0
(DEL) Alkane: Str...	15.99	2.5	ng/ul	241403	4	17.02	1963370	20.0
9H-Fluorene, 2-me...	16.33	2.5	ng/ul	242969	4	17.02	1963370	20.0
Phenanthrene, 1-m...	17.89	4.4	ng/ul	430245	4	17.02	1963370	20.0
Anthracene, 2-met...	17.94	4.5	ng/ul	445961	4	17.02	1963370	20.0
Phenanthrene, 2-m...	18.02	3.2	ng/ul	310192	4	17.02	1963370	20.0
1H-Indene, 2-phenyl-	18.08	10.2	ng/ul	1003060	4	17.02	1963370	20.0
Anthracene, 9-met...	18.12	3.6	ng/ul	357033	4	17.02	1963370	20.0
Naphthalene, 2-ph...	18.39	2.2	ng/ul	213512	4	17.02	1963370	20.0
9,10-Dimethylanth...	18.82	6.3	ng/ul	619706	4	17.02	1963370	20.0
5H-Dibenzo[a,d]cy...	18.88	5.3	ng/ul	516936	4	17.02	1963370	20.0
Anthracene, 9-eth...	18.98	5.2	ng/ul	509472	4	17.02	1963370	20.0
Pyrene, 1-methyl-	19.77	2.4	ng/ul	422131	5	21.22	3576530	20.0
11H-Benzo[a]fluorene	19.94	3.3	ng/ul	583906	5	21.22	3576530	20.0
11H-Benzo[b]fluorene	20.04	2.1	ng/ul	384742	5	21.22	3576530	20.0
Chrysene, 5-methyl-	21.76	2.1	ng/ul	378685	5	21.22	3576530	20.0
Benzo[e]pyrene	23.23	3.7	ng/ul	435015	6	23.41	2328550	20.0