LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097608.D
Acq On : 11 Aug 2017 22:24
Operator : SJ/JU
Sample : I4697-06 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF081117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.510	986	990	1001	rBV	319036	484133	8.01%	0.731%
2	9.169	1263	1272	1276	rBV3	60027	134660	2.23%	0.203%
3	9.539	1330	1335	1337	rBV	546547	718203	11.89%	1.084%
4	9.580	1337	1342	1348	rVV	3048768	4656057	77.05%	7.030%
5	10.698	1528	1532	1542	rBV	683260	826420	13.68%	1.248%
6	10.851	1551	1558	1572	rVB	1046877	1364819	22.59%	2.061%
7	11.468	1658	1663	1672	rVB	465298	571534	9.46%	0.863%
8	11.610	1683	1687	1697	rVB	275725	367436	6.08%	0.555%
9	11.716	1700	1705	1707	rBV	353532	502143	8.31%	0.758%
10	11.839	1721	1726	1730	rBV	535892	765082	12.66%	1.155%
11	11.880	1730	1733	1738	rVB	383123	446886	7.40%	0.675%
12	12.021	1750	1757	1769	rVV	215664	434421	7.19%	0.656%
13	12.139	1772	1777	1789	rBV2	220046	433498	7.17%	0.655%
14	12.363	1806	1815	1818	rBV2	531081	732236	12.12%	1.106%
15	12.427	1820	1826	1829	rVV	2400134	3432917	56.81%	5.183%
16	12.710	1868	1874	1883	rBV	1363124	1915034	31.69%	2.891%
17	12.798	1883	1889	1893	rVV	140615	170987	2.83%	0.258%
18	12.910	1904	1908	1912	rVV	158940	223585	3.70%	0.338%
19	12.957	1912	1916	1921	rVB2	128869	163682	2.71%	0.247%
20	13.057	1926	1933	1935	rVV2	105008	179483	2.97%	0.271%
21	13.110	1939	1942	1948	rVB	147143	185931	3.08%	0.281%
22	13.210	1948	1959	1962	rBV2	171369	255261	4.22%	0.385%
23	13.262	1962	1968	1977	rVV	1678113	2260220	37.40%	3.413%
24	13.345	1977	1982	1985	rVV3	81489	137592	2.28%	0.208%
25	13.398	1988	1991	1993	rVV3	122339	147827	2.45%	0.223%
26	13.433	1993	1997	2001	rVV4	182119	318466	5.27%	0.481%
27	13.527	2009	2013	2024	rVV2	373660	644165	10.66%	0.973%
28	13.615	2024	2028	2031	rVV	259532	309644	5.12%	0.468%
29	13.657	2031	2035	2044	rVV	437952	762499	12.62%	1.151%
30	14.157	2114	2120	2123	rBV	224232	373446	6.18%	0.564%
31	14.198	2123	2127	2132	rVB3	124144	197347	3.27%	0.298%
32	14.280	2137	2141	2149	rVB	135820	230319	3.81%	0.348%
33	14.386	2154	2159	2162	rVV3	185815	282665	4.68%	0.427%
34	14.421	2162	2165	2167	rVV	141500	187909	3.11%	0.284%

LSC Area Percent Report

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Acq On : 11 Aug 2017 22:24
Operator : SJ/JU
Sample : I4697-06 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF081117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.480	2172	2175	2182	rVV5	114460	200798	3.32%	0.303%
36	14.562	2182	2189	2191	rVV	158900	277167	4.59%	0.418%
37	14.592	2191	2194	2201	rVV	411830	617294	10.22%	0.932%
38	14.768	2219	2224	2226	rBV	354148	540856	8.95%	0.817%
39	14.827	2226	2234	2237	rVV	3058557	6042650	100.00%	9.124%
40	14.892	2237	2245	2252	rVB	1491559	1911387	31.63%	2.886%
41	14.968	2252	2258	2260	rBV2	97197	163343	2.70%	0.247%
42	15.180	2289	2294	2298	rBV	353534	430054	7.12%	0.649%
43	15.256	2304	2307	2311	rVV2	107467	148107	2.45%	0.224%
44	15.556	2349	2358	2362	rBV	541948	672901	11.14%	1.016%
45	15.598	2362	2365	2370	rVV	662988	834358	13.81%	1.260%
46	15.674	2374	2378	2380	rVV	379641	447723	7.41%	0.676%
47	15.709	2380	2384	2389	rVV2	835194	1261005	20.87%	1.904%
48	15.751	2389	2391	2395	rVV	340643	339859	5.62%	0.513%
49	16.003	2430	2434	2443	rVB	367121	462049	7.65%	0.698%
50	16.262	2474	2478	2480	rVV	98770	129392	2.14%	0.195%
51	16.362	2490	2495	2498	rVV	237785	327406	5.42%	0.494%
52	16.403	2498	2502	2507	rVV2	168328	320538	5.30%	0.484%
53	16.480	2512	2515	2523	rVB3	129987	193601	3.20%	0.292%
54	16.580	2523	2532	2535	rBV	2443011	3603418	59.63%	5.441%
55	16.668	2543	2547	2549	rBV2	113775	130584	2.16%	0.197%
56	16.698	2549	2552	2557	rVB	519845	587346	9.72%	0.887%
57	16.762	2557	2563	2568	rBV2	115599	192061	3.18%	0.290%
58	16.874	2576	2582	2586	rBV2	2164731	3255035	53.87%	4.915%
59	16.915	2586	2589	2591	rVV	206715	215747	3.57%	0.326%
60	16.956	2591	2596	2599	rVV2	127193	206517	3.42%	0.312%
61	17.056	2609	2613	2618	rBV	225887	262825	4.35%	0.397%
62	17.192	2633	2636	2640	rVB	157727	201819	3.34%	0.305%
63	17.239	2640	2644	2648	rVB	104346	140831	2.33%	0.213%
64	17.303	2648	2655	2657	rBV3	177378	319905	5.29%	0.483%
65	17.333	2657	2660	2666	rVB	511594	620671	10.27%	0.937%
66	17.421	2671	2675	2679	rBV2	532749	582594	9.64%	0.880%
67	17.468	2679	2683	2689	rBV2	246955	402542	6.66%	0.608%
68	17.556	2693	2698	2700	rBV2	154799	209219	3.46%	0.316%
69	17.580	2700	2702	2706	rVV2	171057	188924	3.13%	0.285%
70	17.974	2765	2769	2775	rVV4	109105	225922	3.74%	0.341%
71	18.133	2792	2796	2799	rBV2	133706	166988	2.76%	0.252%

LSC Area Percent Report

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Acq On : 11 Aug 2017 22:24
Operator : SJ/JU
Sample : I4697-06 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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 >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	18.168	2799	2802	2804	rVV	242177	248273	4.11%	0.375%
73	18.197	2804	2807	2810	rVV	178277	212224	3.51%	0.320%
74	18.233	2810	2813	2818	rVB2	157244	201952	3.34%	0.305%
75	18.456	2845	2851	2855	rBV2	1281887	2182545	36.12%	3.295%
76	18.497	2855	2858	2867	rVV2	1114275	1294211	21.42%	1.954%
77	18.586	2870	2873	2877	rVB	346971	393990	6.52%	0.595%
78	18.739	2895	2899	2903	rBV	142429	174122	2.88%	0.263%
79	18.780	2903	2906	2913	rVB	155520	172525	2.86%	0.260%
80	18.921	2926	2930	2932	rBV	105521	149143	2.47%	0.225%
81	18.962	2932	2937	2941	rVV2	312194	433067	7.17%	0.654%
82	19.003	2941	2944	2948	rVB2	132826	161775	2.68%	0.244%
83	19.080	2949	2957	2960	rBV2	230535	308731	5.11%	0.466%
84	19.139	2964	2967	2971	rVB2	152124	171892	2.84%	0.260%
85	19.733	3063	3068	3071	rBV	1056364	1755018	29.04%	2.650%
86	19.756	3071	3072	3078	rVB	660881	465883	7.71%	0.703%
87	19.839	3083	3086	3090	rVV	294210	356024	5.89%	0.538%
88	19.950	3099	3105	3107	rBV2	86608	164211	2.72%	0.248%
89	20.021	3112	3117	3120	rVV	661965	767977	12.71%	1.160%
90	20.080	3123	3127	3131	rBV	1107804	1304573	21.59%	1.970%
91	20.133	3133	3136	3138	rVV	382198	392535	6.50%	0.593%
92	20.162	3138	3141	3144	rVB	312502	304696	5.04%	0.460%
93	20.297	3160	3164	3166	rBV	114449	158521	2.62%	0.239%
94	20.333	3166	3170	3175	rVB3	114505	244335	4.04%	0.369%
95	20.450	3186	3190	3196	rVB2	71171	145521	2.41%	0.220%
96	21.356	3338	3344	3350	rBV	555431	955403	15.81%	1.443%
97	21.491	3362	3367	3371	rBV	133663	237591	3.93%	0.359%
98	21.538	3371	3375	3381	rVB3	81230	138485	2.29%	0.209%
99	21.703	3398	3403	3414	rBV	376574	707445	11.71%	1.068%
100	21.903	3432	3437	3446	rVB	190599	378888	6.27%	0.572%

Sum of corrected areas: 66231499

LSC Report - Integrated Chromatogram

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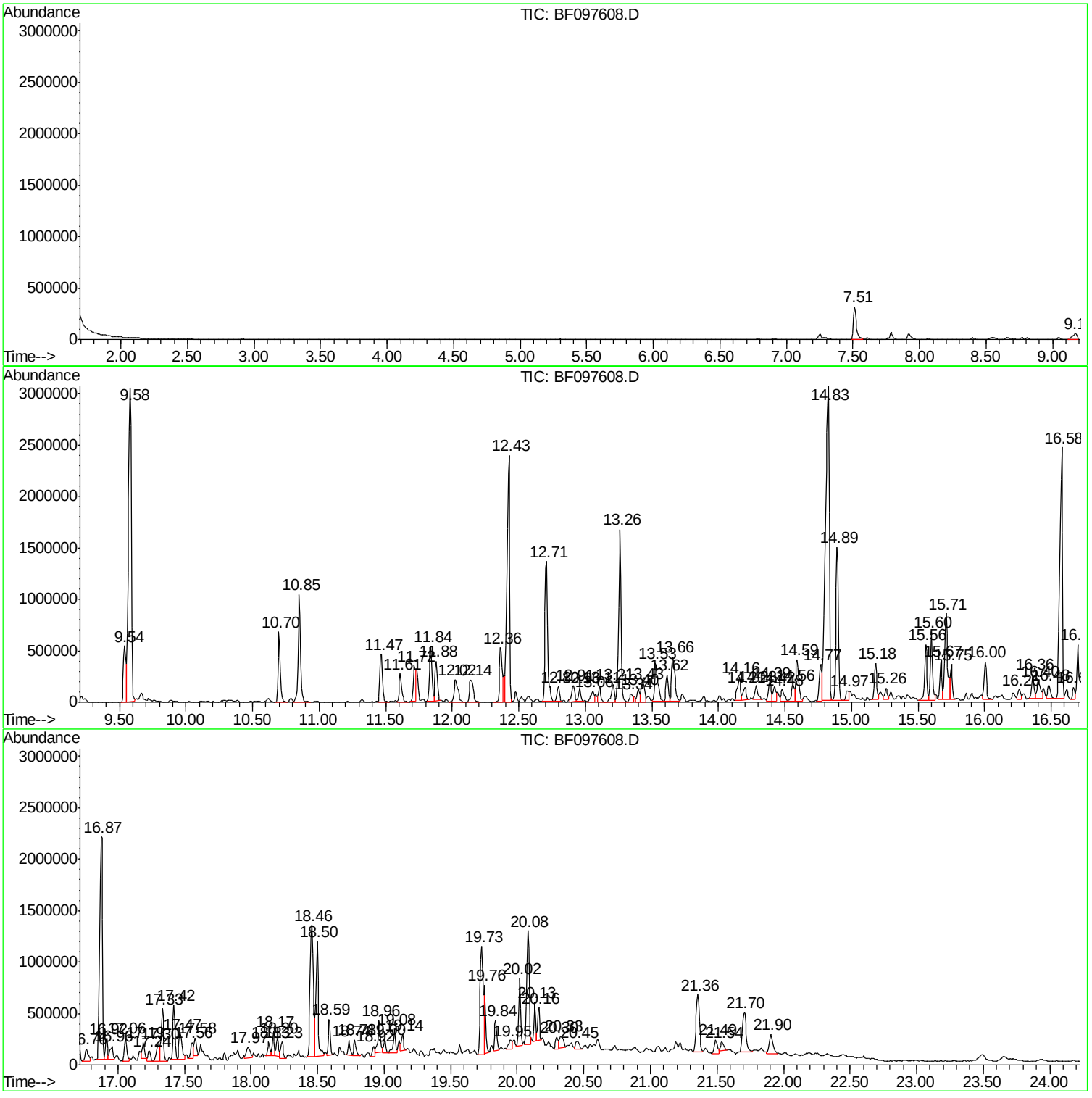
Data File : BF097608.D
Acq On : 11 Aug 2017 22:24
Operator : SJ/JU
Sample : I4697-06 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-3B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097608.D
Acq On : 11 Aug 2017 22:24
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Sample : I4697-06 50X
Misc :
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

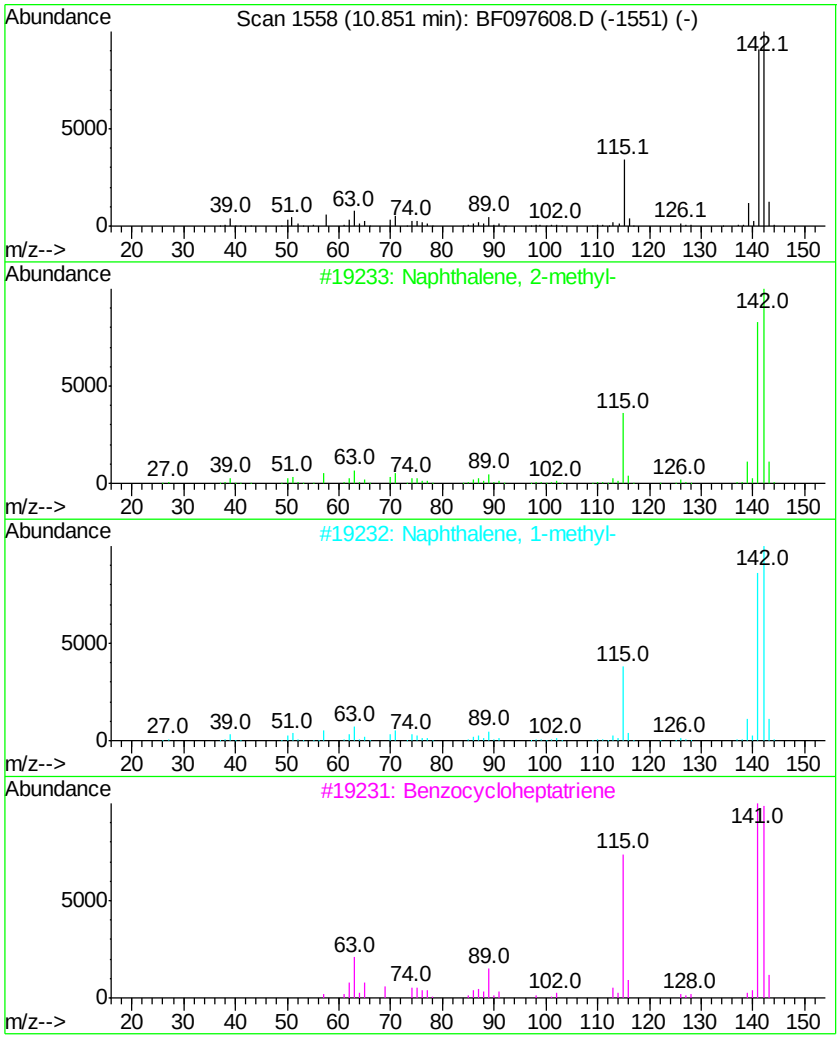
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

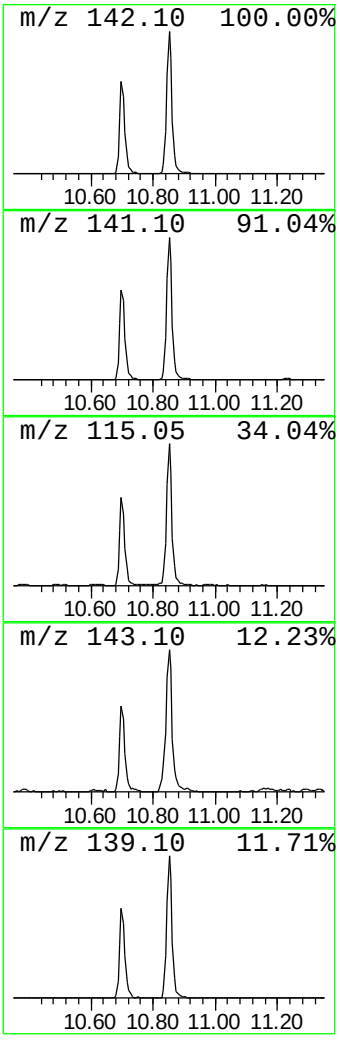
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	38.01 ng	1364820	Naphthalene-d8	9.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	87





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Misc :
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

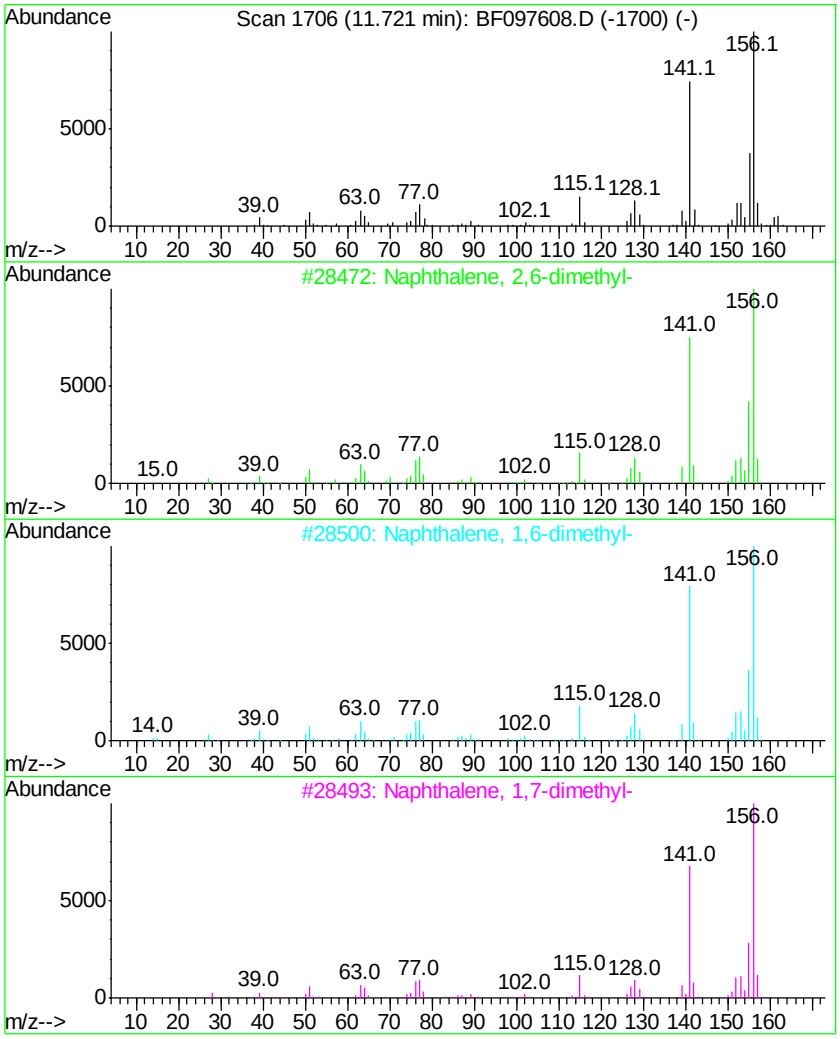
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

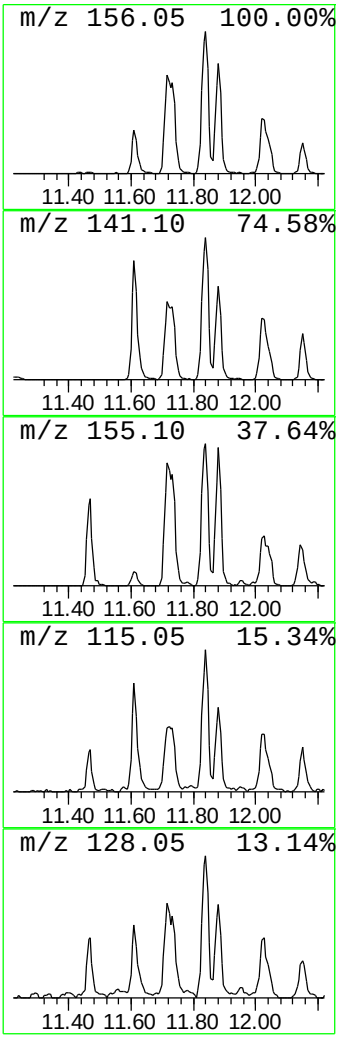
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	13.72 ng	502143	Acenaphthene-d10	12.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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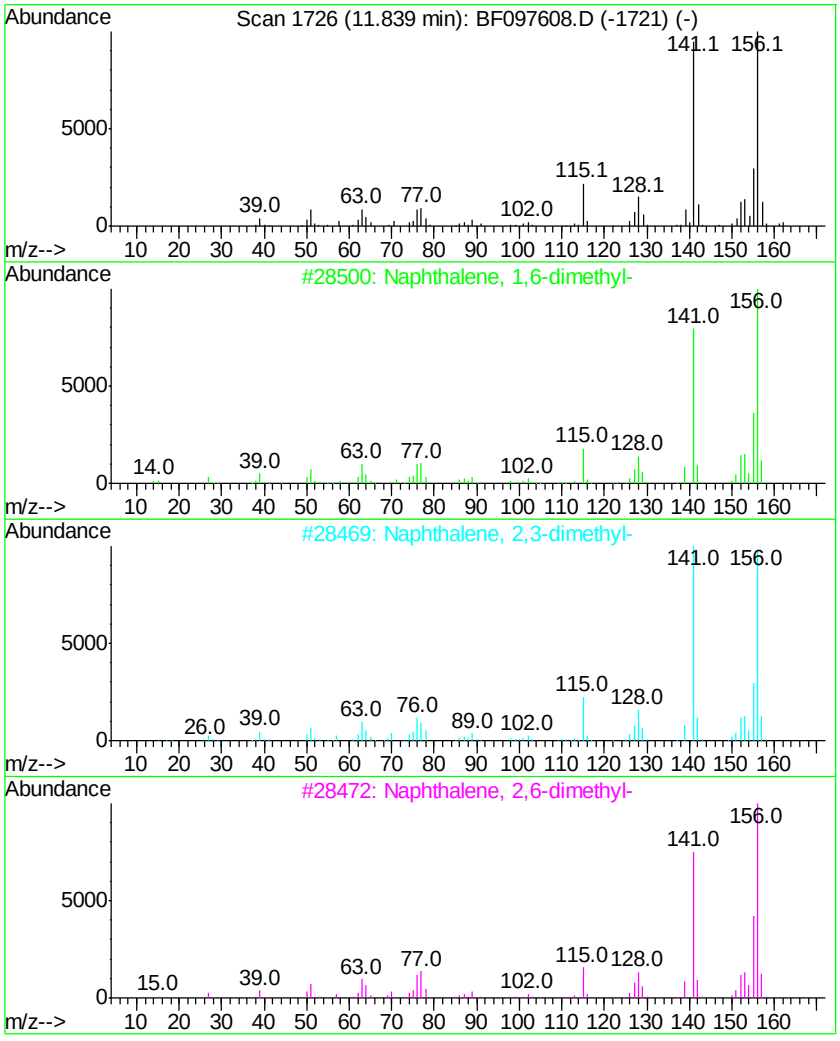
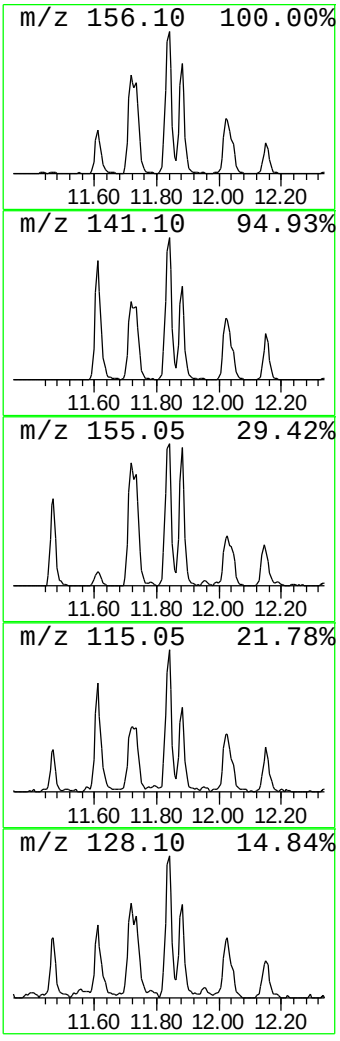
Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	20.90 ng	765082	Acenaphthene-d10	12.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097608.D
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Operator : SJ/JU
Sample : I4697-06 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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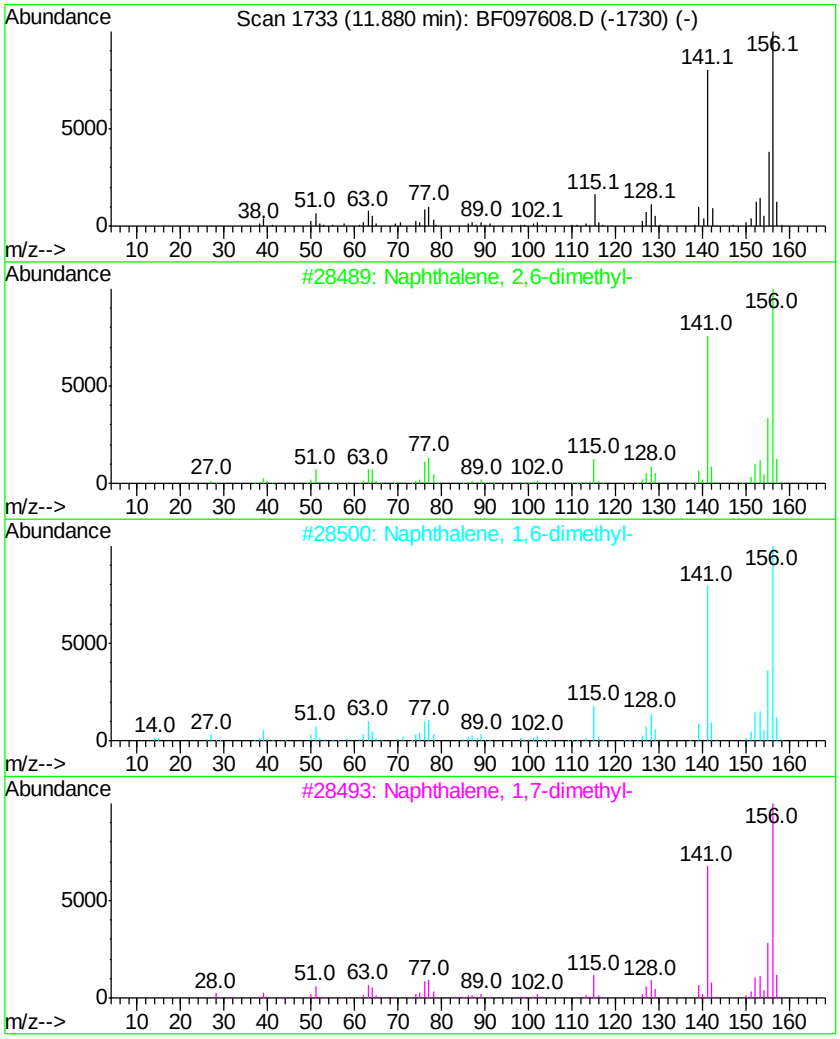
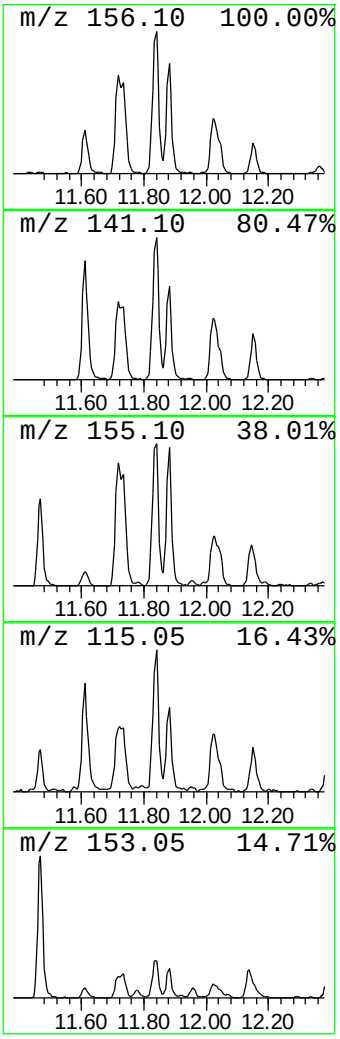
Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	12.21 ng	446886	Acenaphthene-d10	12.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097608.D
Acq On : 11 Aug 2017 22:24
Operator : SJ/JU
Sample : I4697-06 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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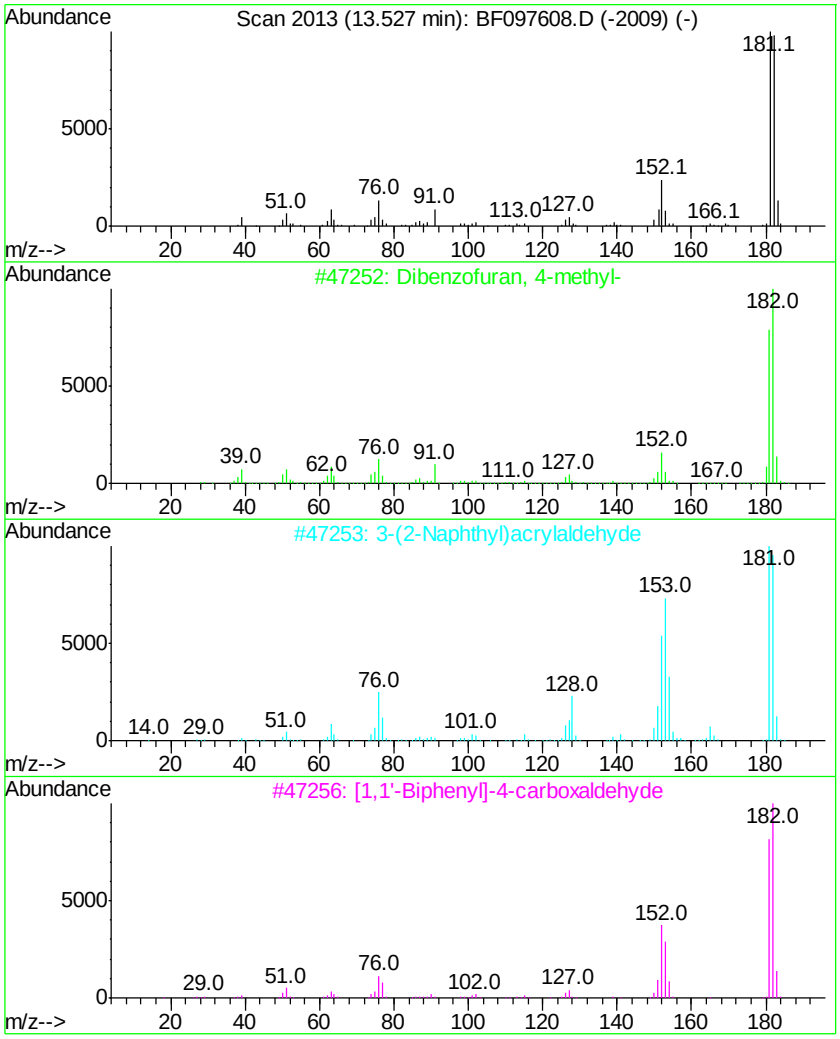
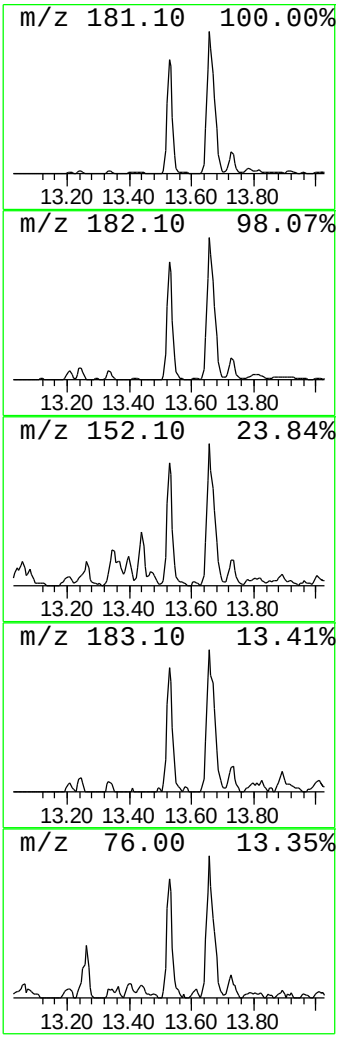
Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	17.59 ng	644165	Acenaphthene-d10	12.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





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Acq On : 11 Aug 2017 22:24
Operator : SJ/JU
Sample : I4697-06 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId : NYSEG-PH4-ESMI-3B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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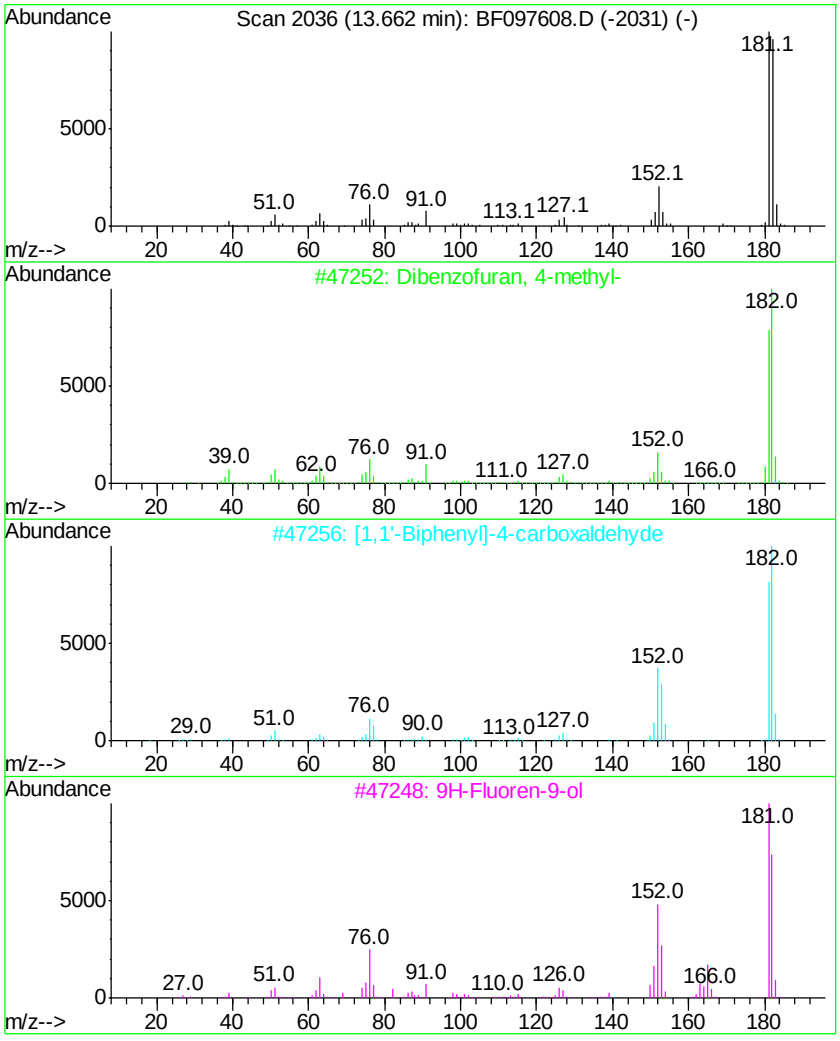
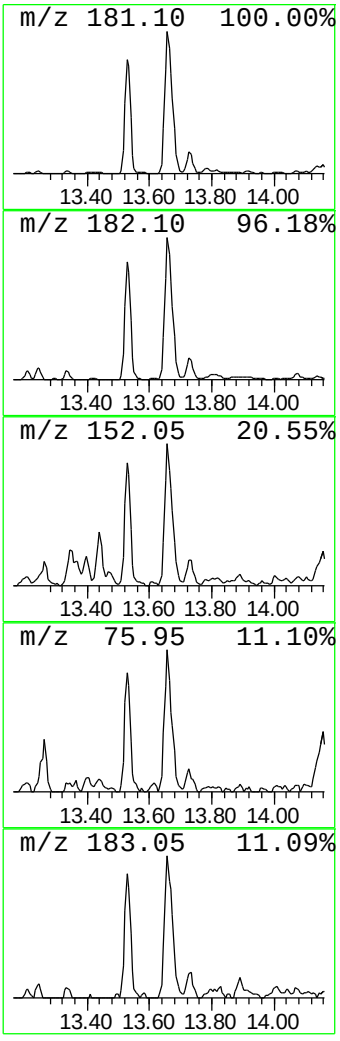
Peak Number 6 9H-Fluoren-9-ol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	28.20 ng	762499	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	9H-Xanthene	182	C13H10O	000092-83-1	64
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





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ClientSampleId : NYSEG-PH4-ESMI-3B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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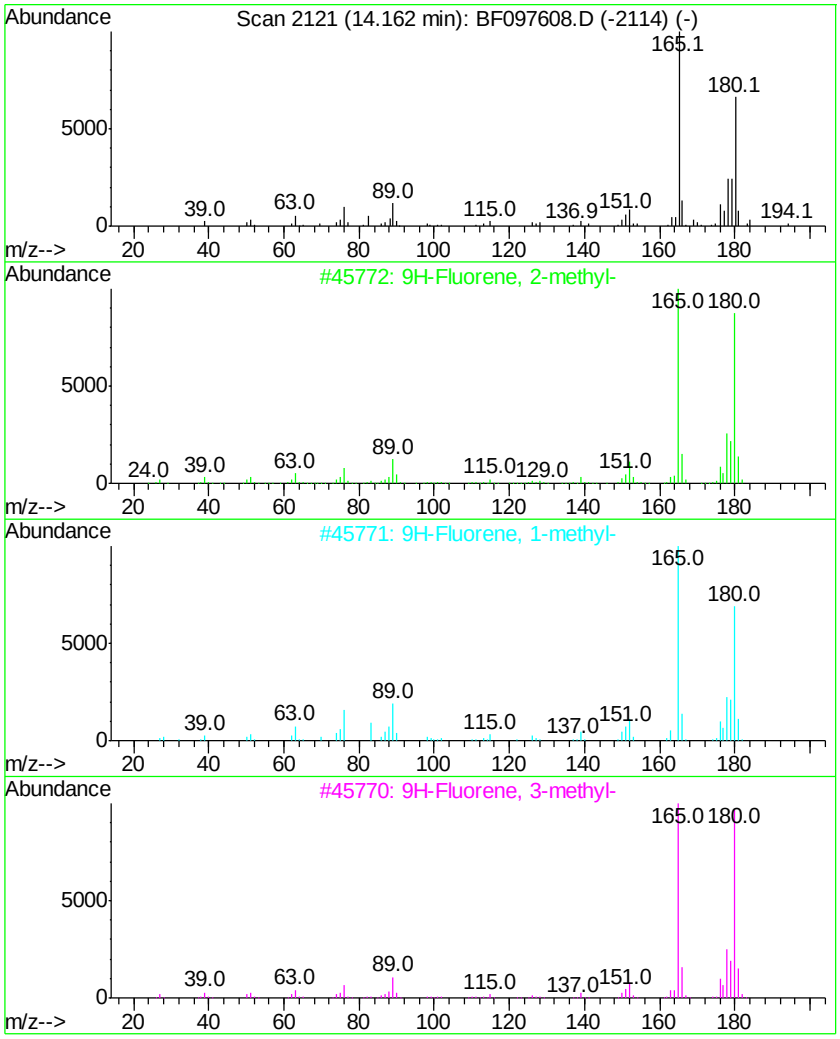
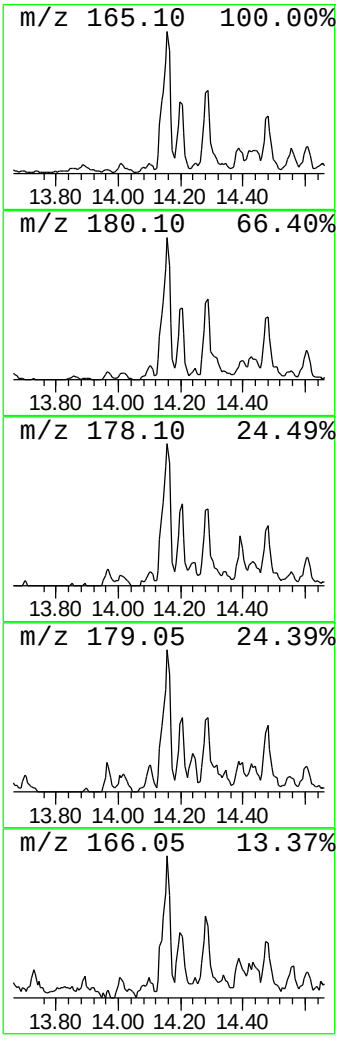
Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	13.81 ng	373446	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	1,3-Phenylenediamine, N-trimethy...	180	C9H16N2Si	1000374-68-0	52





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ClientSampleId : NYSEG-PH4-ESMI-3B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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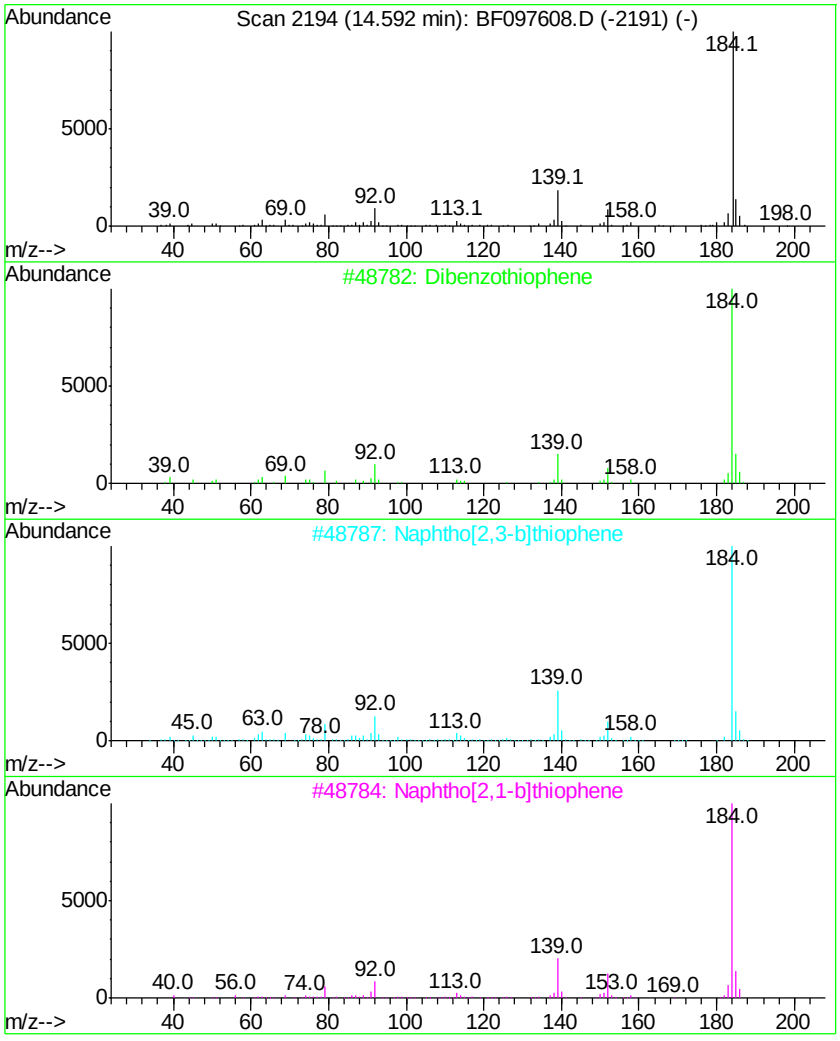
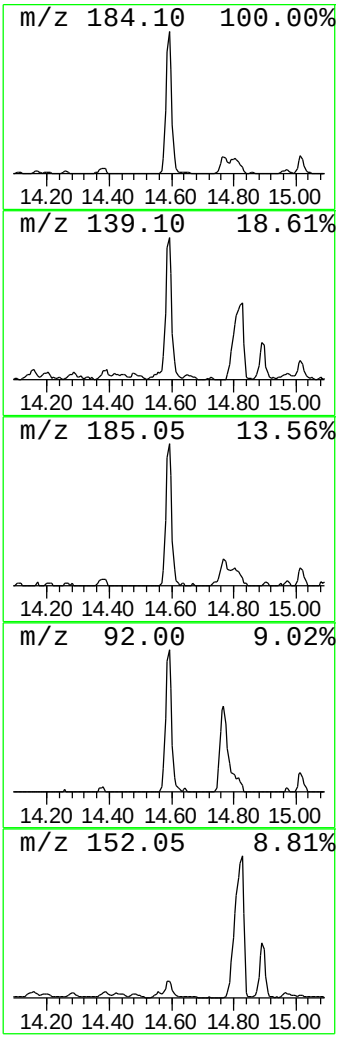
Peak Number 8 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	22.83 ng	617294	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	56





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Sample : I4697-06 50X
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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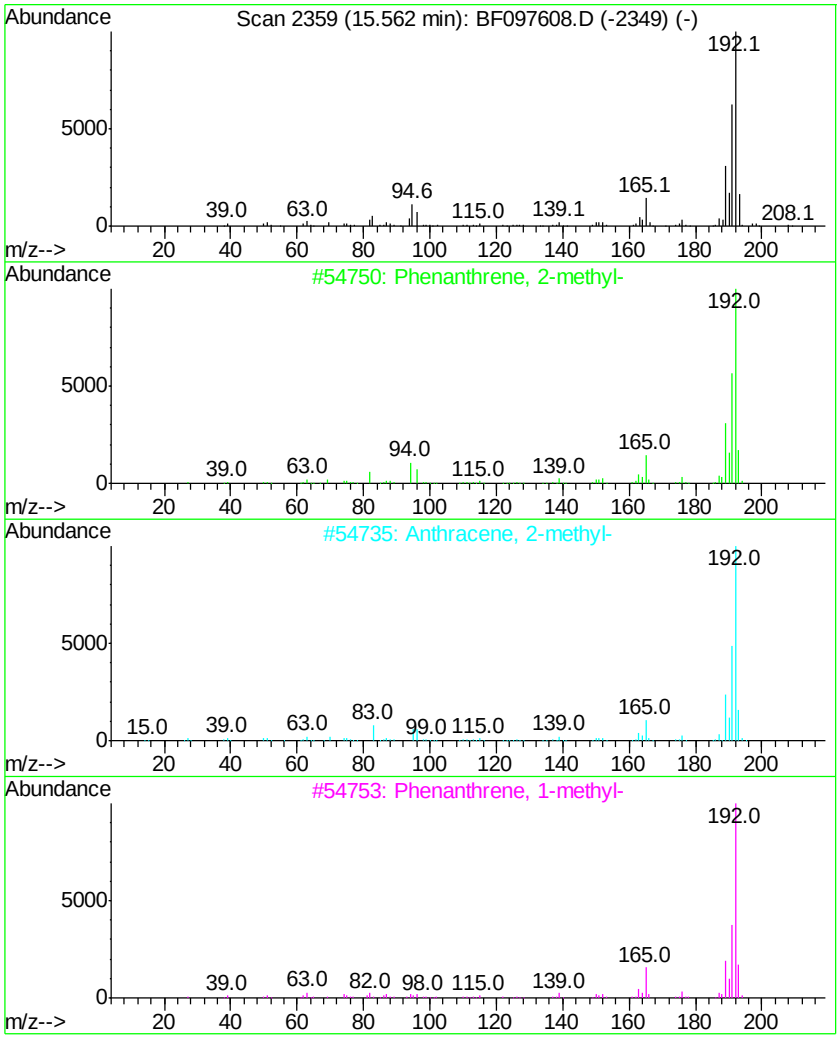
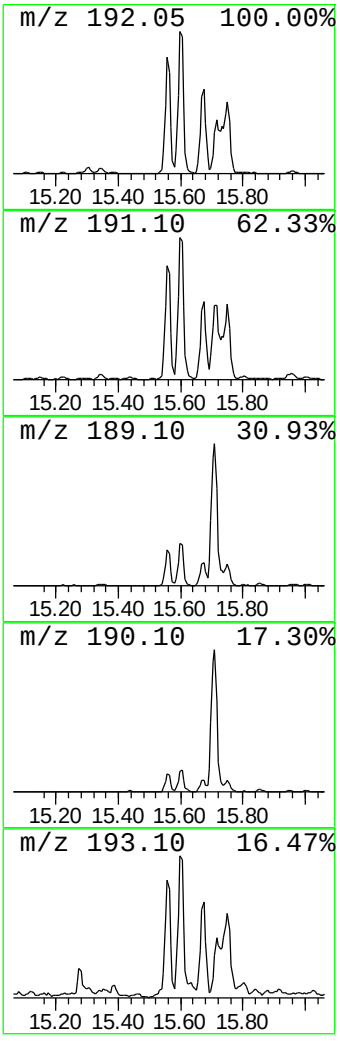
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	24.88 ng	672901	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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

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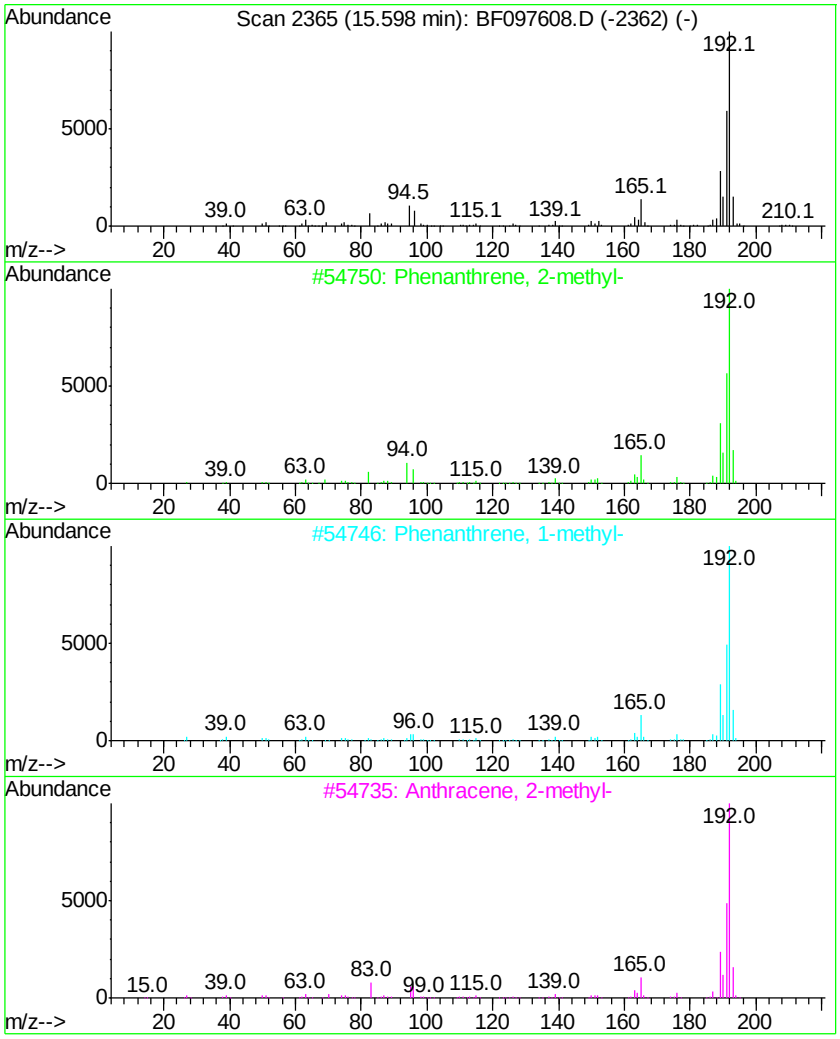
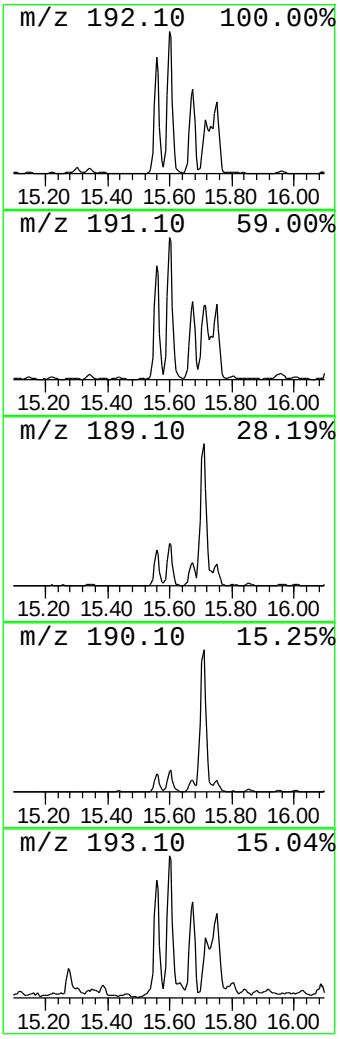
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	30.85 ng	834358	Phenanthrene-d10	14.77

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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ClientSampleId : NYSEG-PH4-ESMI-3B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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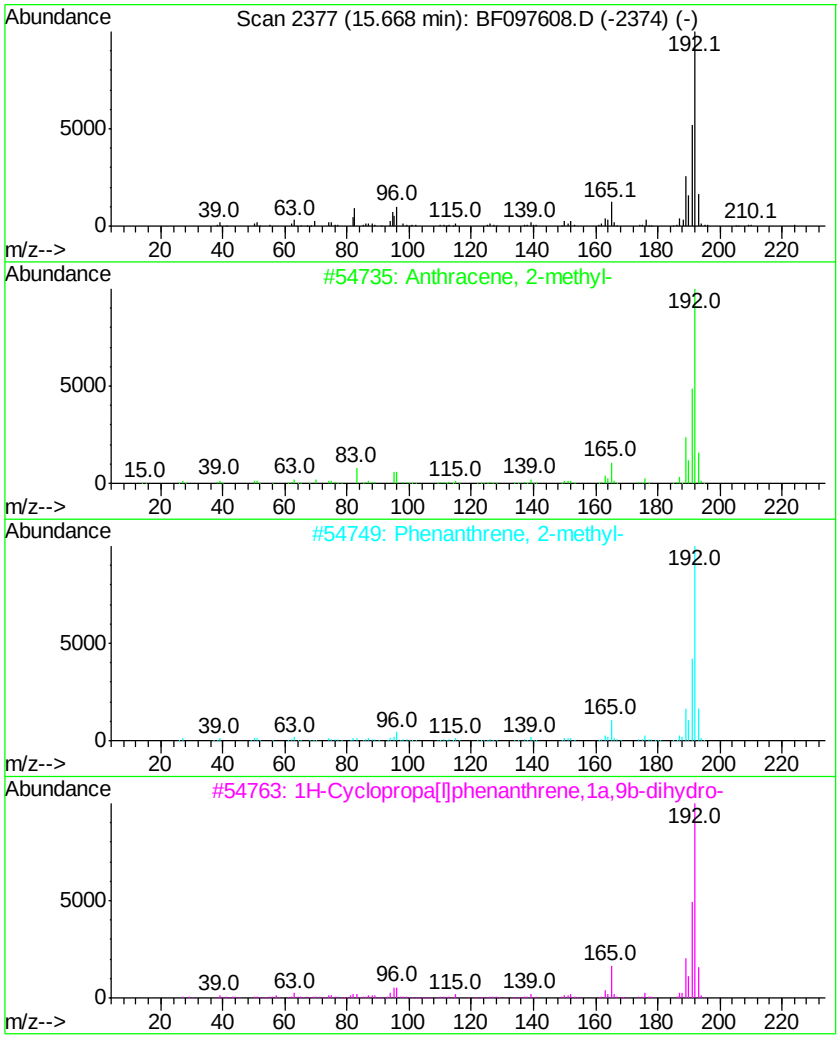
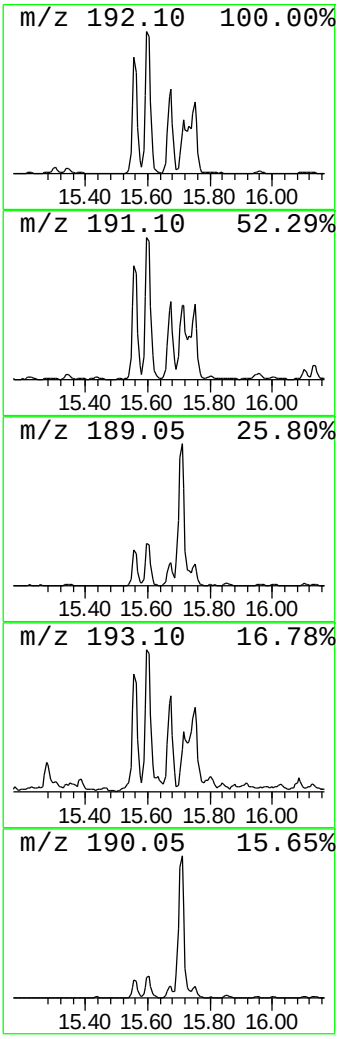
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	16.56 ng	447723	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96





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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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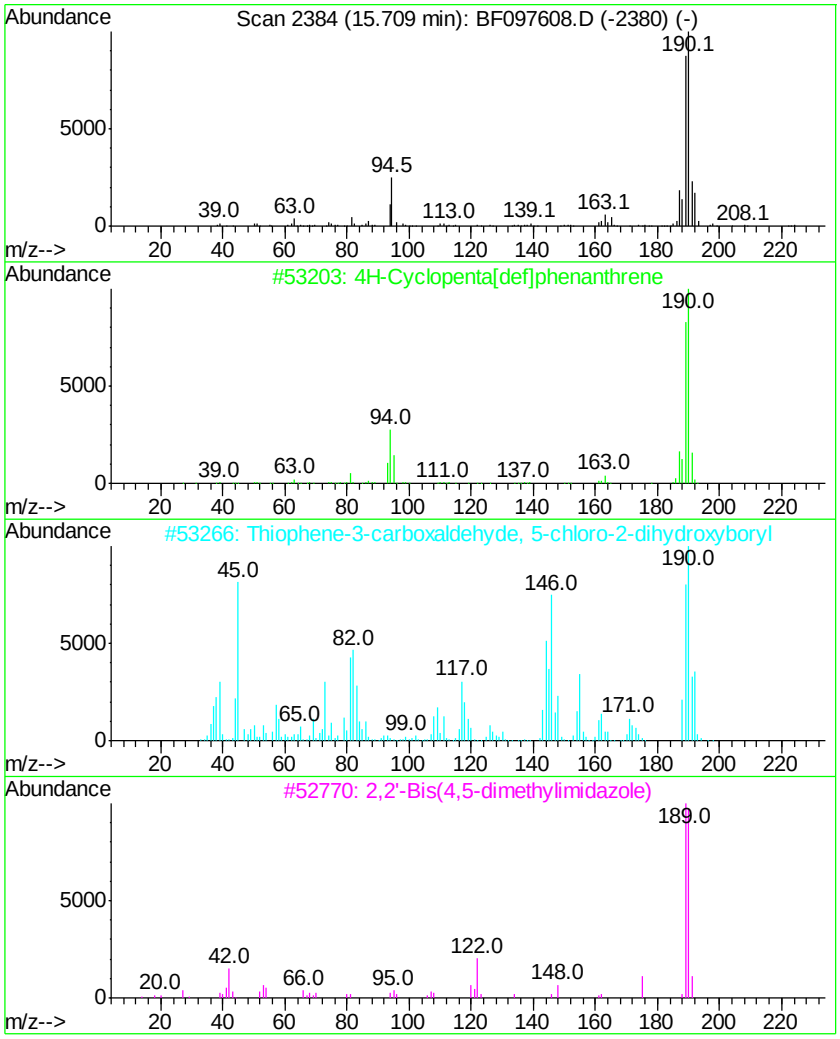
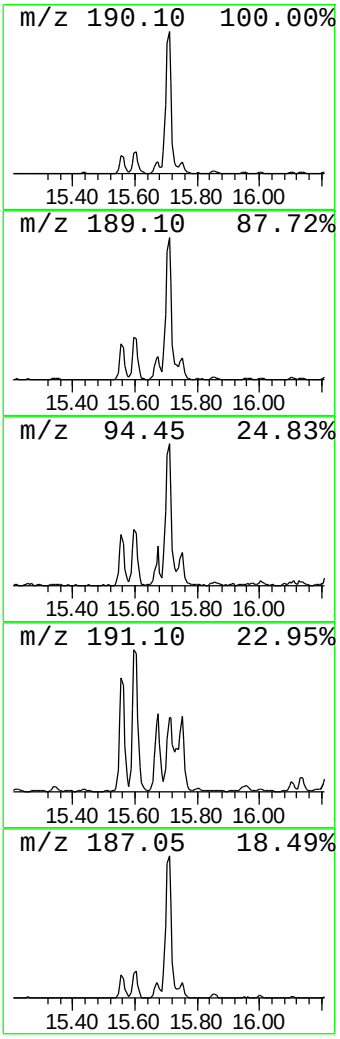
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	46.63 ng	1261010	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36
4	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	36
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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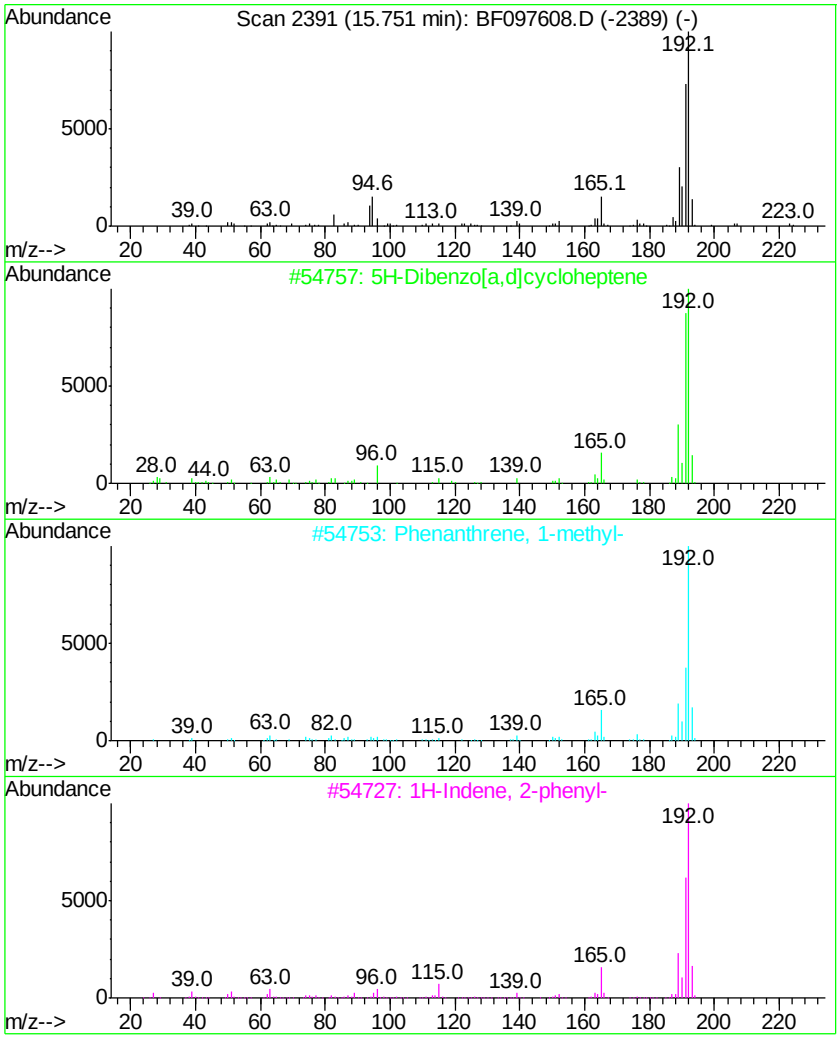
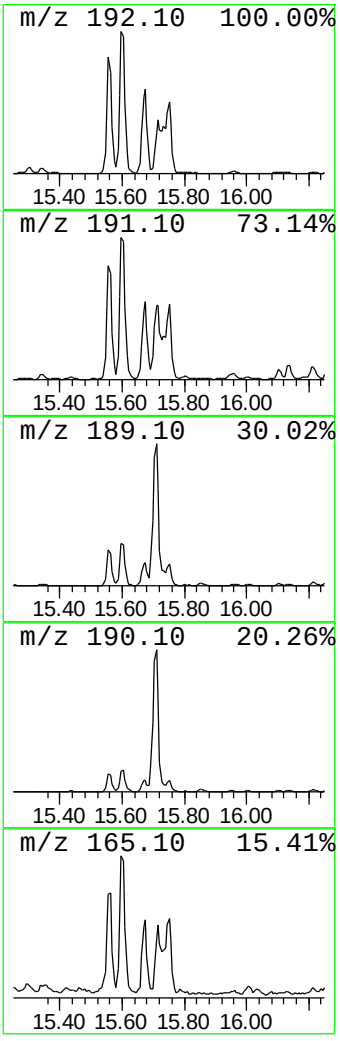
Peak Number 13 5H-Dibenzo[a,d]cycloheptene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	12.57 ng	339859	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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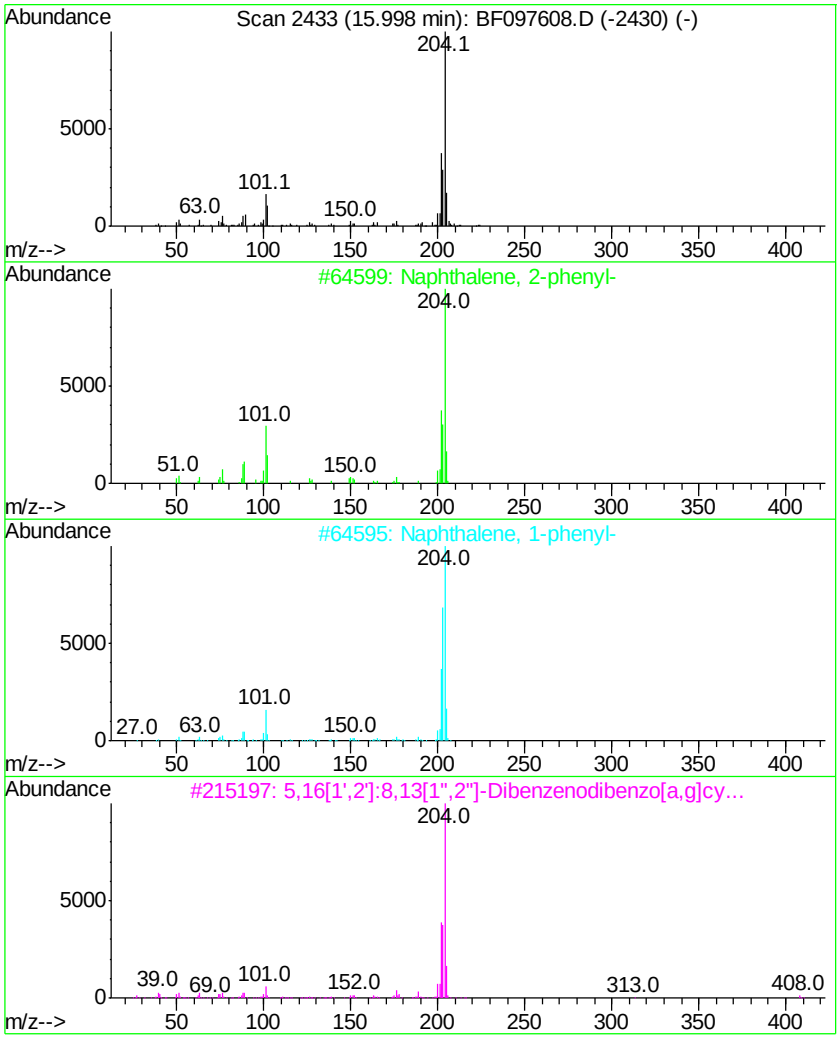
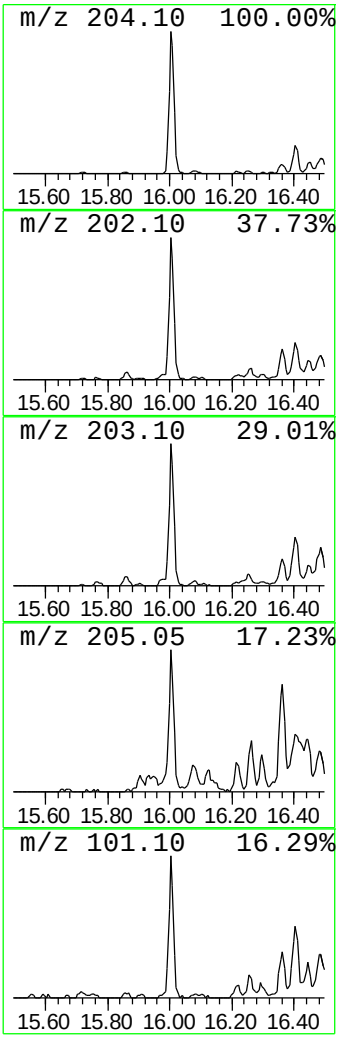
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	17.09 ng	462049	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	59
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





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TIC Integration Parameters: LSCINT.P

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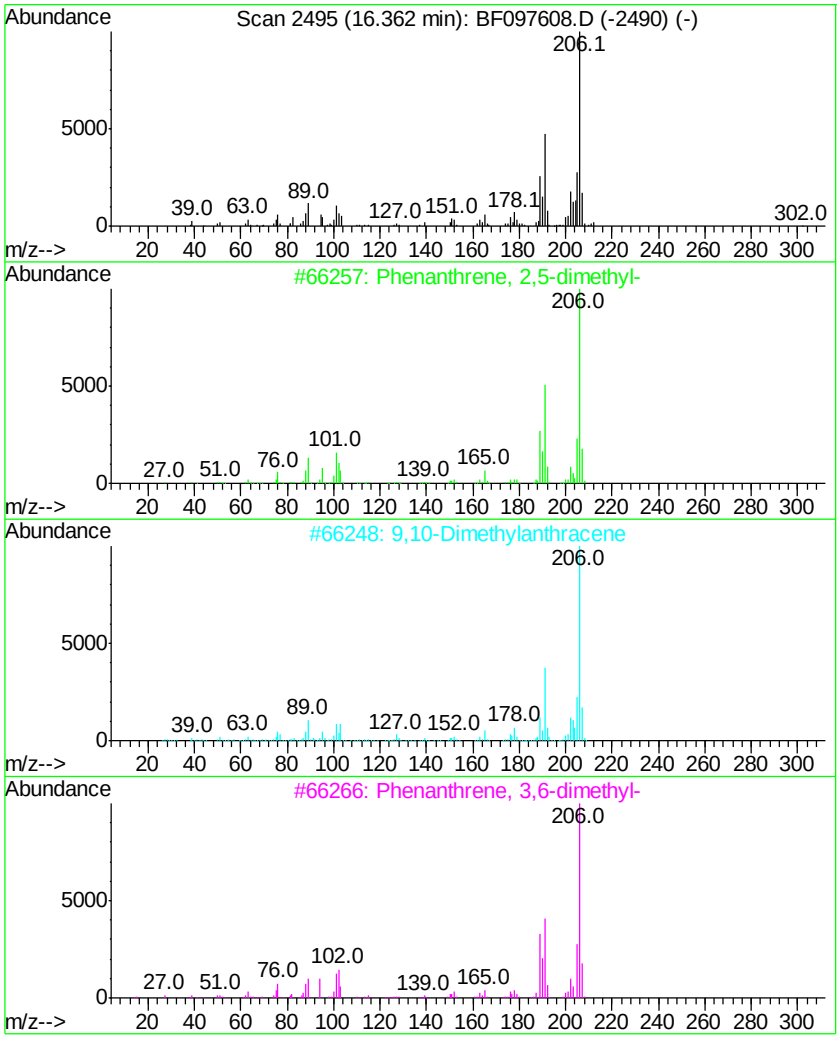
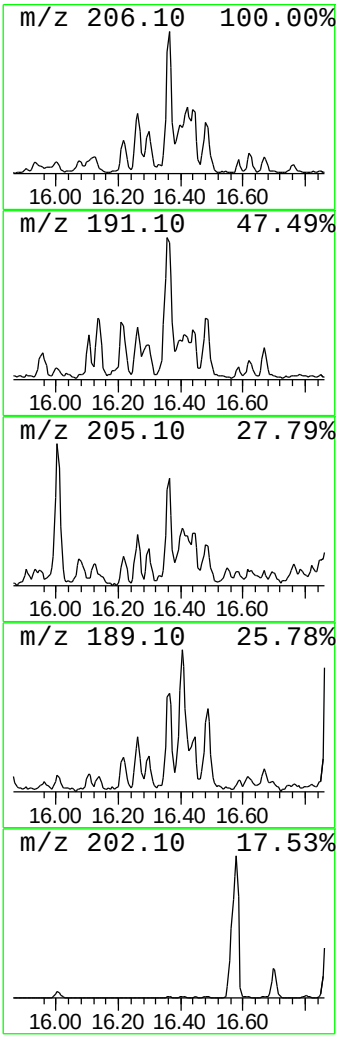
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	12.11 ng	327406	Phenanthrene-d10	14.77

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	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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

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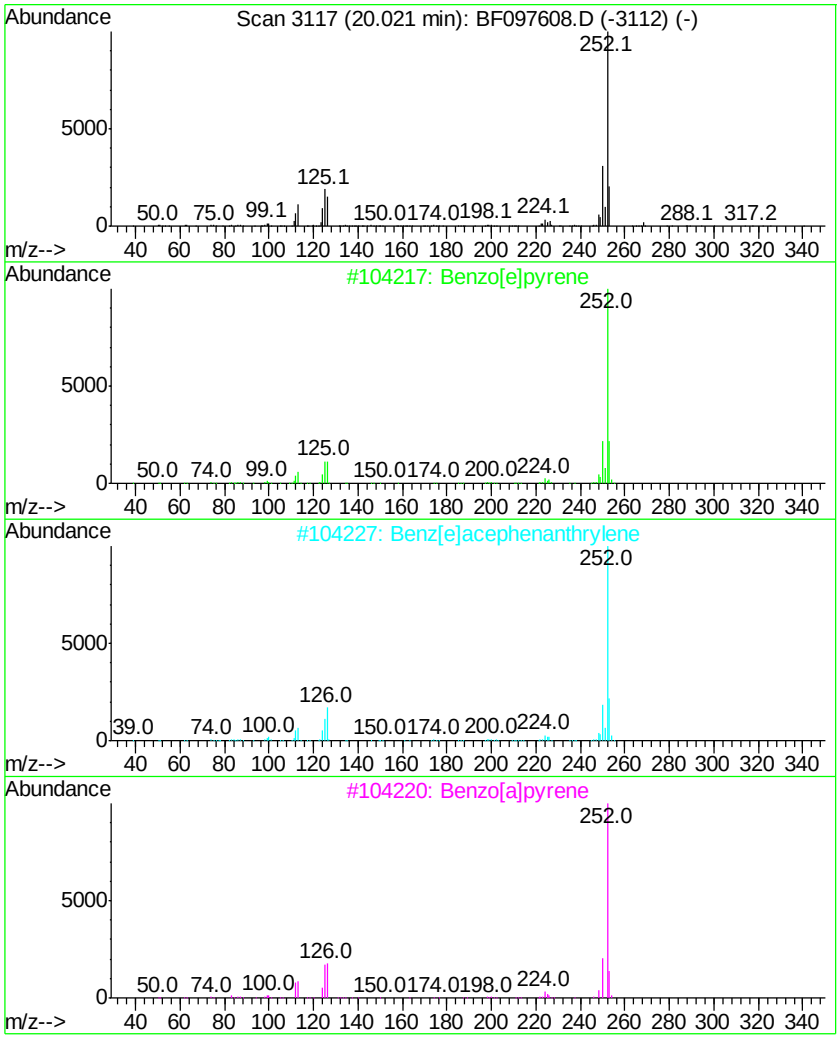
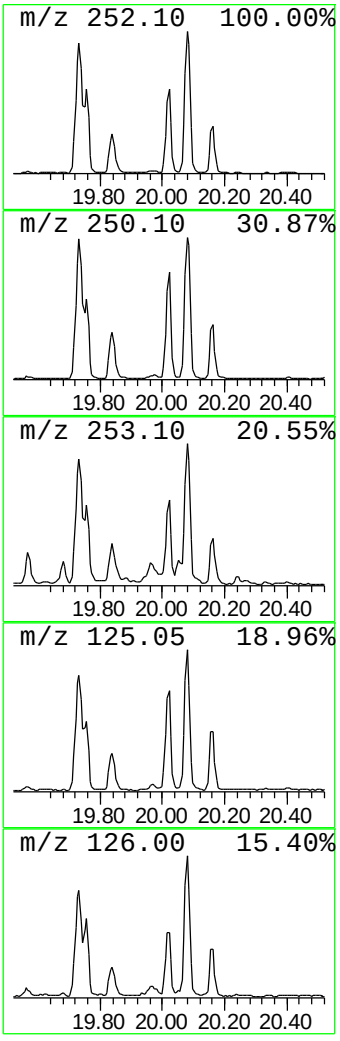
Peak Number 17 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	39.13 ng	767977	Perylene-d12	20.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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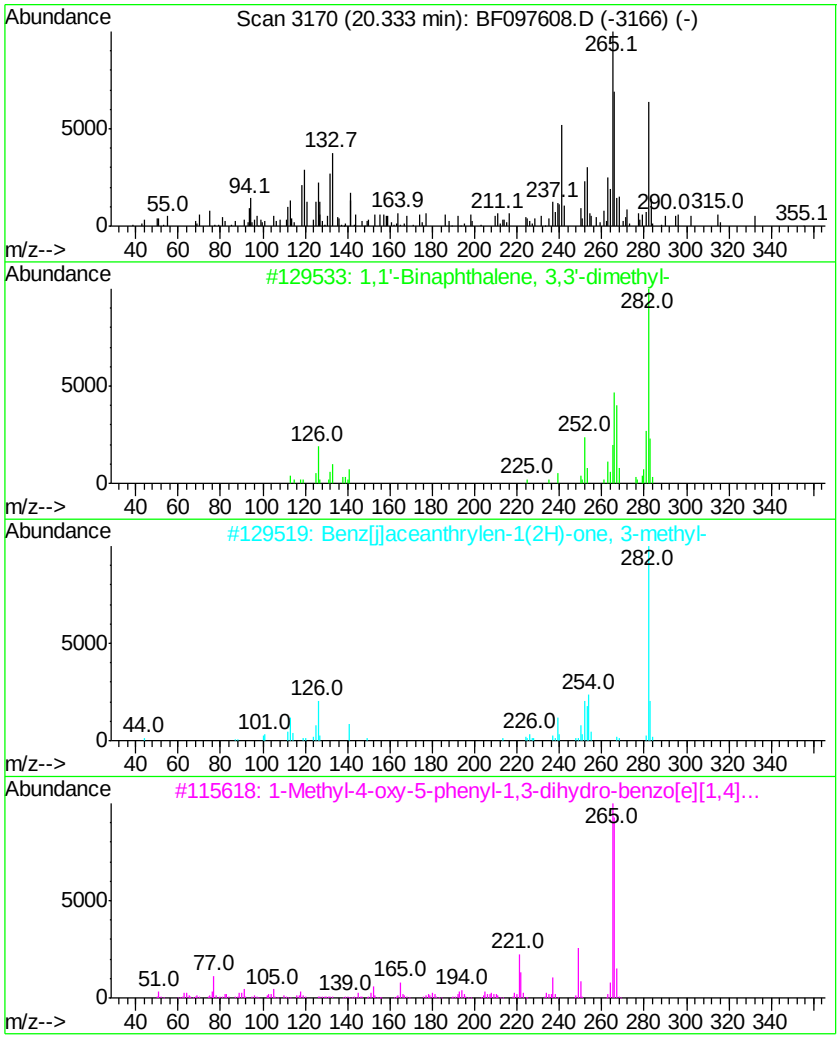
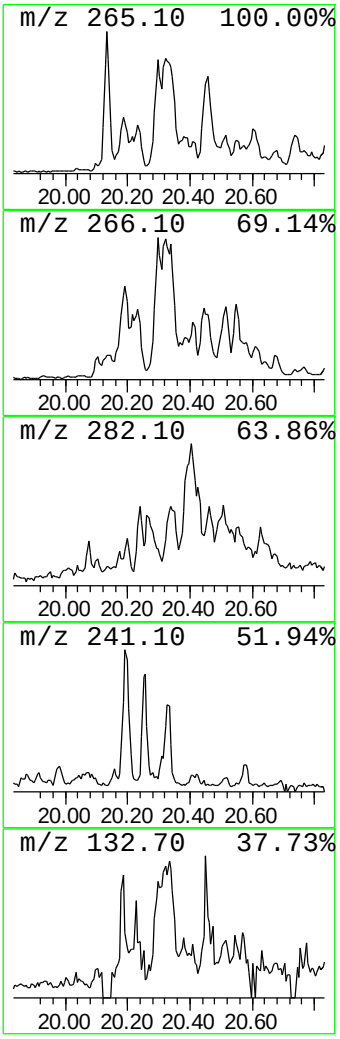
Peak Number 18 unknown20.33 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	12.45 ng	244335	Perylene-d12	20.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene, 3,3'-dimethyl-	282	C22H18	034042-82-5	41
2	Benz[j]aceanthrylen-1(2H)-one, 3...	282	C21H14O	003343-07-5	40
3	1-Methyl-4-oxy-5-phenyl-1,3-dihy...	266	C16H14N2O2	1000286-08-5	38
4	N,N,N',N'-Tetramethyl-3,6-acridi...	265	C17H19N3	000494-38-2	35
5	4,4'-Dimethyl-1,1'-binaphthylene	282	C22H18	019224-41-0	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097608.D
Acq On : 11 Aug 2017 22:24
Operator : SJ/JU
Sample : I4697-06 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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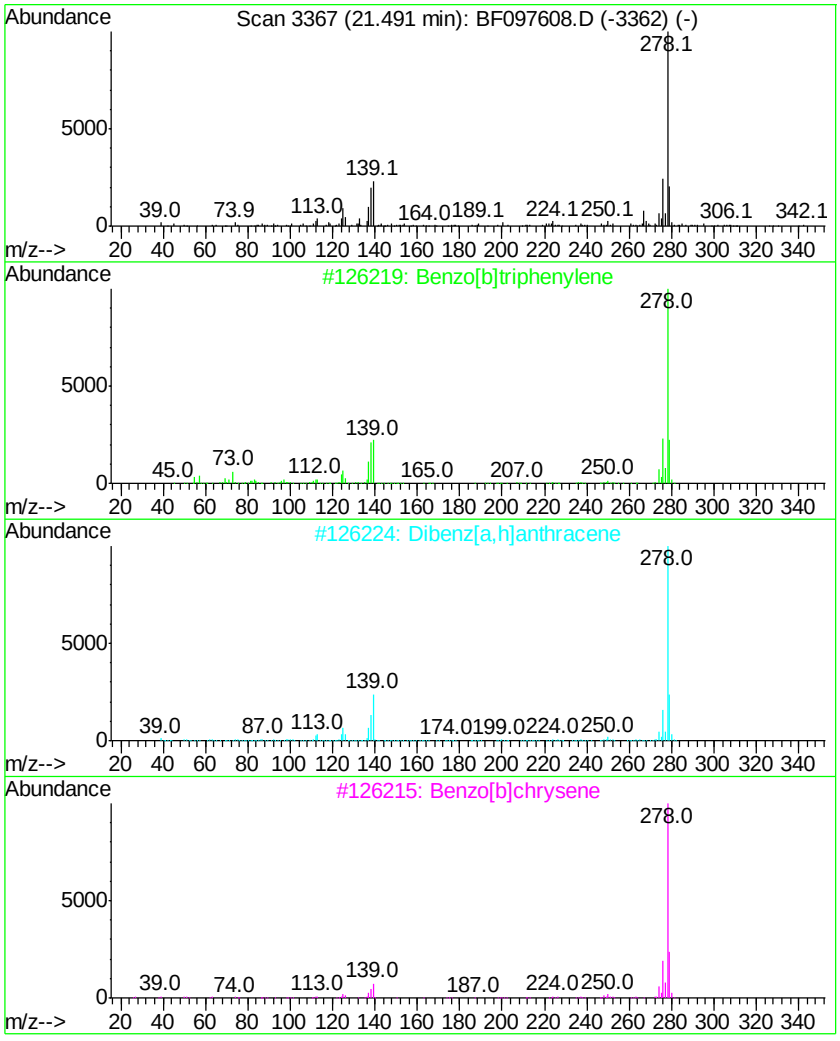
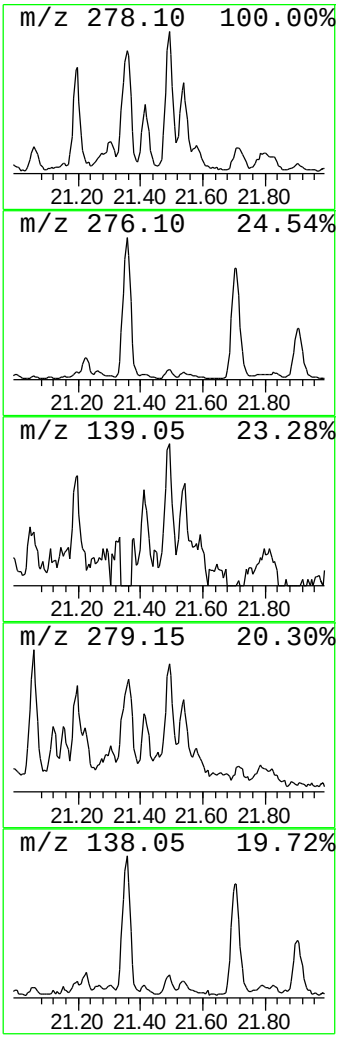
Peak Number 19 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.49	12.11 ng	237591	Perylene-d12	20.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3	Benzo[b]chrysene	278	C22H14	000214-17-5	93
4	Pentacene	278	C22H14	000135-48-8	89
5	Picene	278	C22H14	000213-46-7	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097608.D
Acq On : 11 Aug 2017 22:24
Operator : SJ/JU
Sample : I4697-06 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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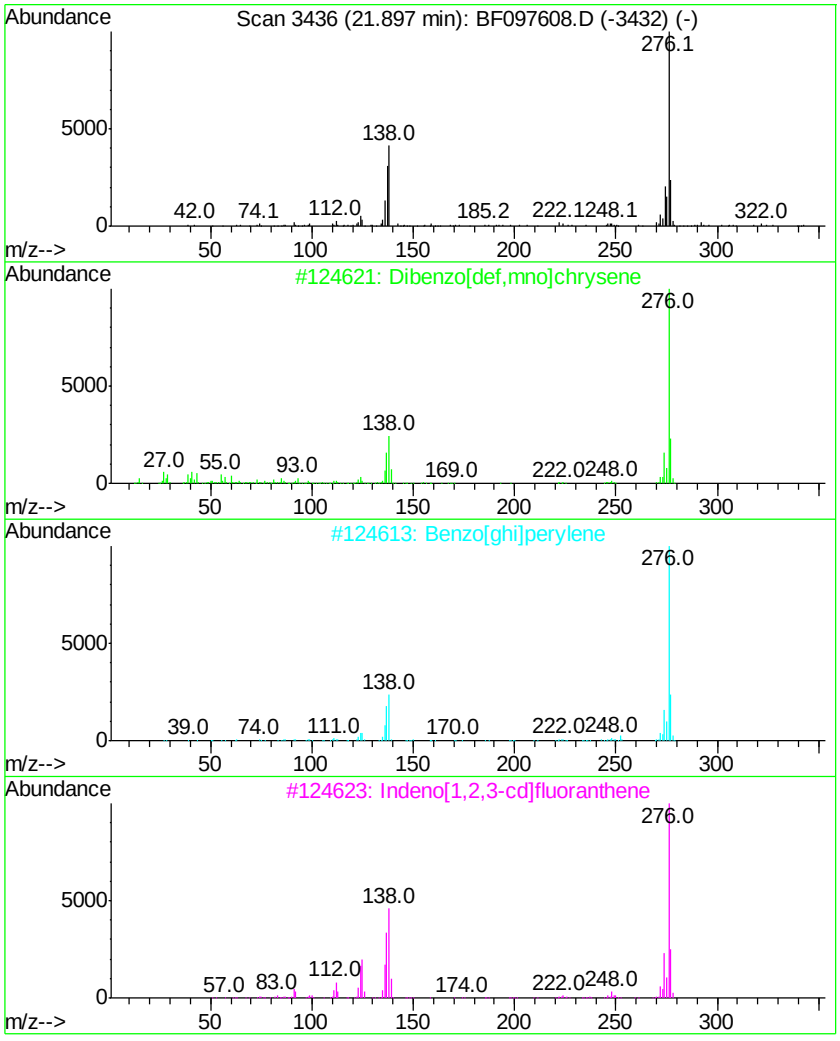
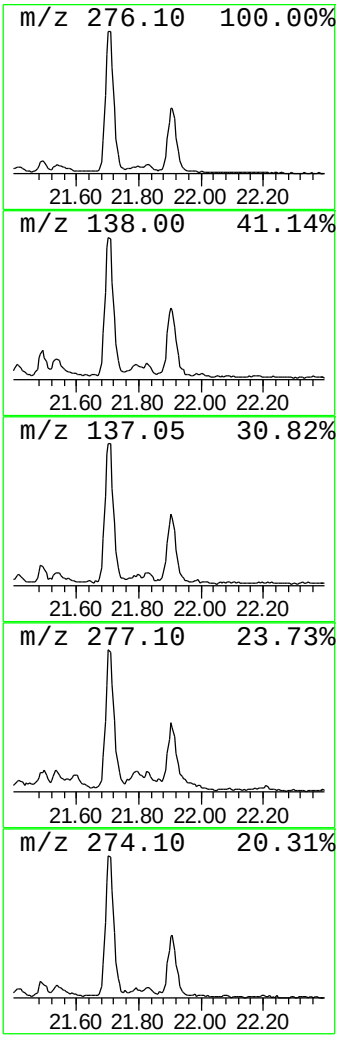
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.90	19.30 ng	378888	Perylene-d12	20.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	87
4	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	86
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081117\
Data File : BF097608.D
Acq On : 11 Aug 2017 22:24
Operator : SJ/JU
Sample : I4697-06 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-3B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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...	10.85	38.0	ng	1364820	2	9.54	718203	20.0
Naphthalene, 2,6-...	11.72	13.7	ng	502143	3	12.36	732236	20.0
Naphthalene, 1,6-...	11.84	20.9	ng	765082	3	12.36	732236	20.0
Naphthalene, 1,7-...	11.88	12.2	ng	446886	3	12.36	732236	20.0
Dibenzofuran, 4-m...	13.53	17.6	ng	644165	3	12.36	732236	20.0
9H-Fluoren-9-ol	13.66	28.2	ng	762499	4	14.77	540856	20.0
9H-Fluorene, 2-me...	14.16	13.8	ng	373446	4	14.77	540856	20.0
Dibenzothiophene	14.59	22.8	ng	617294	4	14.77	540856	20.0
Phenanthrene, 2-m...	15.56	24.9	ng	672901	4	14.77	540856	20.0
Phenanthrene, 1-m...	15.60	30.9	ng	834358	4	14.77	540856	20.0
Anthracene, 2-met...	15.67	16.6	ng	447723	4	14.77	540856	20.0
4H-Cyclopenta[def...	15.71	46.6	ng	1261010	4	14.77	540856	20.0
5H-Dibenzo[a,d]cy...	15.75	12.6	ng	339859	4	14.77	540856	20.0
Naphthalene, 2-ph...	16.00	17.1	ng	462049	4	14.77	540856	20.0
Phenanthrene, 2,5...	16.36	12.1	ng	327406	4	14.77	540856	20.0
Benzo[e]pyrene	20.02	39.1	ng	767977	6	20.13	392535	20.0
unknown20.33	20.33	12.4	ng	244335	6	20.13	392535	20.0
Benzo[b]triphenylene	21.49	12.1	ng	237591	6	20.13	392535	20.0
Dibenzo[def,mno]c...	21.90	19.3	ng	378888	6	20.13	392535	20.0