LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097607.D
Acq On : 11 Aug 2017 21:52
Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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	7.245	940	945	955	rBV	119364	214097	5.96%	0.473%
2	7.510	986	990	1001	rBV	357405	518834	14.44%	1.146%
3	7.787	1034	1037	1047	rVB	65423	97332	2.71%	0.215%
4	7.916	1055	1059	1071	rBV	79240	145972	4.06%	0.322%
5	8.545	1158	1166	1177	rBV3	49030	113471	3.16%	0.251%
6	9.169	1263	1272	1276	rBV4	93813	180853	5.03%	0.399%
7	9.210	1276	1279	1282	rVV	80795	109617	3.05%	0.242%
8	9.539	1330	1335	1337	rBV	592550	742001	20.65%	1.638%
9	9.575	1337	1341	1348	rVV	2347788	3160507	87.97%	6.978%
10	10.622	1510	1519	1528	rBV3	65943	105548	2.94%	0.233%
11	10.698	1528	1532	1543	rVV	1243937	1592001	44.31%	3.515%
12	10.851	1551	1558	1569	rVB	815409	1022518	28.46%	2.258%
13	11.469	1658	1663	1672	rBV	331936	417163	11.61%	0.921%
14	11.610	1683	1687	1698	rVB	207740	304812	8.48%	0.673%
15	11.716	1698	1705	1707	rBV	335239	472170	13.14%	1.043%
16	11.839	1721	1726	1730	rBV	508435	720440	20.05%	1.591%
17	11.880	1730	1733	1738	rVB	324587	376069	10.47%	0.830%
18	12.027	1752	1758	1767	rVB	216415	444899	12.38%	0.982%
19	12.139	1772	1777	1789	rBV2	196467	389174	10.83%	0.859%
20	12.363	1805	1815	1820	rBV3	574300	903709	25.16%	1.995%
21	12.422	1820	1825	1831	rVB	1472227	1949028	54.25%	4.303%
22	12.569	1846	1850	1857	rVB	52694	103396	2.88%	0.228%
23	12.704	1868	1873	1877	rBV	917724	1180778	32.87%	2.607%
24	12.798	1883	1889	1893	rBV	124978	154381	4.30%	0.341%
25	12.910	1904	1908	1912	rVV	149041	207165	5.77%	0.457%
26	12.957	1912	1916	1921	rVB	118562	148002	4.12%	0.327%
27	13.057	1926	1933	1935	rVV2	92659	171525	4.77%	0.379%
28	13.104	1939	1941	1950	rVB	126033	161482	4.49%	0.357%
29	13.204	1950	1958	1962	rBV3	125463	218404	6.08%	0.482%
30	13.257	1962	1967	1976	rVV	1130853	1532733	42.66%	3.384%
31	13.345	1976	1982	1984	rVV4	62070	95766	2.67%	0.211%
32	13.398	1988	1991	1993	rVV3	104664	136067	3.79%	0.300%
33	13.427	1993	1996	2001	rVV2	117445	220313	6.13%	0.486%
34	13.469	2001	2003	2009	rVV2	73864	106925	2.98%	0.236%

LSC Area Percent Report

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Acq On : 11 Aug 2017 21:52
Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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	13.527	2009	2013	2023	rVV2	272391	450227	12.53%	0.994%
36	13.616	2023	2028	2031	rVV	171209	213770	5.95%	0.472%
37	13.657	2031	2035	2044	rVV	335434	589507	16.41%	1.302%
38	13.733	2044	2048	2053	rVB3	65355	99230	2.76%	0.219%
39	14.157	2114	2120	2124	rBV	202256	367829	10.24%	0.812%
40	14.198	2124	2127	2132	rVB2	106152	141532	3.94%	0.312%
41	14.286	2137	2142	2149	rVB	110588	177938	4.95%	0.393%
42	14.386	2154	2159	2162	rVV2	118660	187680	5.22%	0.414%
43	14.421	2162	2165	2167	rVV	83213	115777	3.22%	0.256%
44	14.480	2172	2175	2182	rVV4	91004	154235	4.29%	0.341%
45	14.563	2182	2189	2191	rVV2	117135	191974	5.34%	0.424%
46	14.592	2191	2194	2200	rVV	214957	328879	9.15%	0.726%
47	14.768	2219	2224	2226	rBV	395742	556054	15.48%	1.228%
48	14.815	2226	2232	2236	rVB	2355933	3592514	100.00%	7.932%
49	14.892	2238	2245	2253	rVB	1188309	1454312	40.48%	3.211%
50	14.968	2253	2258	2259	rBV2	75912	103907	2.89%	0.229%
51	15.180	2289	2294	2298	rBV	199168	266720	7.42%	0.589%
52	15.263	2304	2308	2311	rVV	58295	96629	2.69%	0.213%
53	15.557	2349	2358	2362	rBV	402061	477573	13.29%	1.054%
54	15.604	2362	2366	2370	rVV	429598	549732	15.30%	1.214%
55	15.668	2374	2377	2380	rVV	273665	324571	9.03%	0.717%
56	15.710	2380	2384	2387	rVV3	553485	728989	20.29%	1.610%
57	15.751	2388	2391	2395	rVV	252802	328378	9.14%	0.725%
58	16.004	2430	2434	2443	rVB	213974	279408	7.78%	0.617%
59	16.362	2490	2495	2499	rBV	170287	245735	6.84%	0.543%
60	16.404	2499	2502	2506	rVV2	120097	184403	5.13%	0.407%
61	16.480	2512	2515	2522	rVB4	102695	148581	4.14%	0.328%
62	16.568	2522	2530	2535	rBV	1544613	1935845	53.89%	4.274%
63	16.698	2549	2552	2556	rVB	323716	343884	9.57%	0.759%
64	16.762	2560	2563	2568	rBV2	53154	96240	2.68%	0.212%
65	16.868	2574	2581	2585	rBV	1525748	1844736	51.35%	4.073%
66	16.909	2585	2588	2591	rVV2	99909	126675	3.53%	0.280%
67	16.957	2591	2596	2599	rVV2	97625	164775	4.59%	0.364%
68	17.057	2609	2613	2618	rBV	138880	181639	5.06%	0.401%
69	17.192	2633	2636	2639	rVV2	111728	149740	4.17%	0.331%
70	17.304	2648	2655	2657	rBV4	122617	228998	6.37%	0.506%
71	17.333	2657	2660	2667	rVB	384086	437488	12.18%	0.966%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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

72	17.421	2671	2675	2678	rBV	367982	385170	10.72%	0.850%
73	17.468	2678	2683	2690	rBV2	198924	302423	8.42%	0.668%
74	17.556	2694	2698	2700	rBV2	75609	104959	2.92%	0.232%
75	17.580	2700	2702	2706	rVB	110771	108913	3.03%	0.240%
76	17.974	2766	2769	2775	rVV4	70498	107883	3.00%	0.238%
77	18.168	2799	2802	2804	rVV	146893	155353	4.32%	0.343%
78	18.198	2804	2807	2810	rVV	125131	155572	4.33%	0.343%
79	18.233	2810	2813	2818	rVB2	113240	139011	3.87%	0.307%
80	18.451	2844	2850	2854	rBV2	959880	1562731	43.50%	3.450%
81	18.492	2854	2857	2862	rVB	681195	827192	23.03%	1.826%
82	18.586	2870	2873	2877	rVB	157726	172839	4.81%	0.382%
83	18.668	2884	2887	2890	rBV	92948	117118	3.26%	0.259%
84	18.733	2895	2898	2902	rVV	143134	153146	4.26%	0.338%
85	18.780	2902	2906	2912	rVB	105996	146361	4.07%	0.323%
86	18.962	2934	2937	2941	rVV	234211	282561	7.87%	0.624%
87	19.080	2953	2957	2960	rVV	141107	166714	4.64%	0.368%
88	19.727	3062	3067	3070	rBV	631224	922199	25.67%	2.036%
89	19.833	3082	3085	3090	rVB	176073	208812	5.81%	0.461%
90	19.950	3099	3105	3108	rBV2	59814	131315	3.66%	0.290%
91	20.015	3112	3116	3120	rBV	368763	418234	11.64%	0.923%
92	20.074	3123	3126	3130	rVV	624981	672873	18.73%	1.486%
93	20.133	3132	3136	3138	rVV	339673	379068	10.55%	0.837%
94	20.156	3138	3140	3143	rVB	131848	130787	3.64%	0.289%
95	20.297	3160	3164	3166	rBV2	69645	96550	2.69%	0.213%
96	21.350	3338	3343	3351	rBV	278527	487542	13.57%	1.076%
97	21.492	3363	3367	3371	rBV	65719	104181	2.90%	0.230%
98	21.539	3371	3375	3381	rVB2	57701	101299	2.82%	0.224%
99	21.703	3398	3403	3411	rBV	181795	321036	8.94%	0.709%
100	21.909	3433	3438	3445	rVB2	77919	146539	4.08%	0.324%

Sum of corrected areas: 45291637

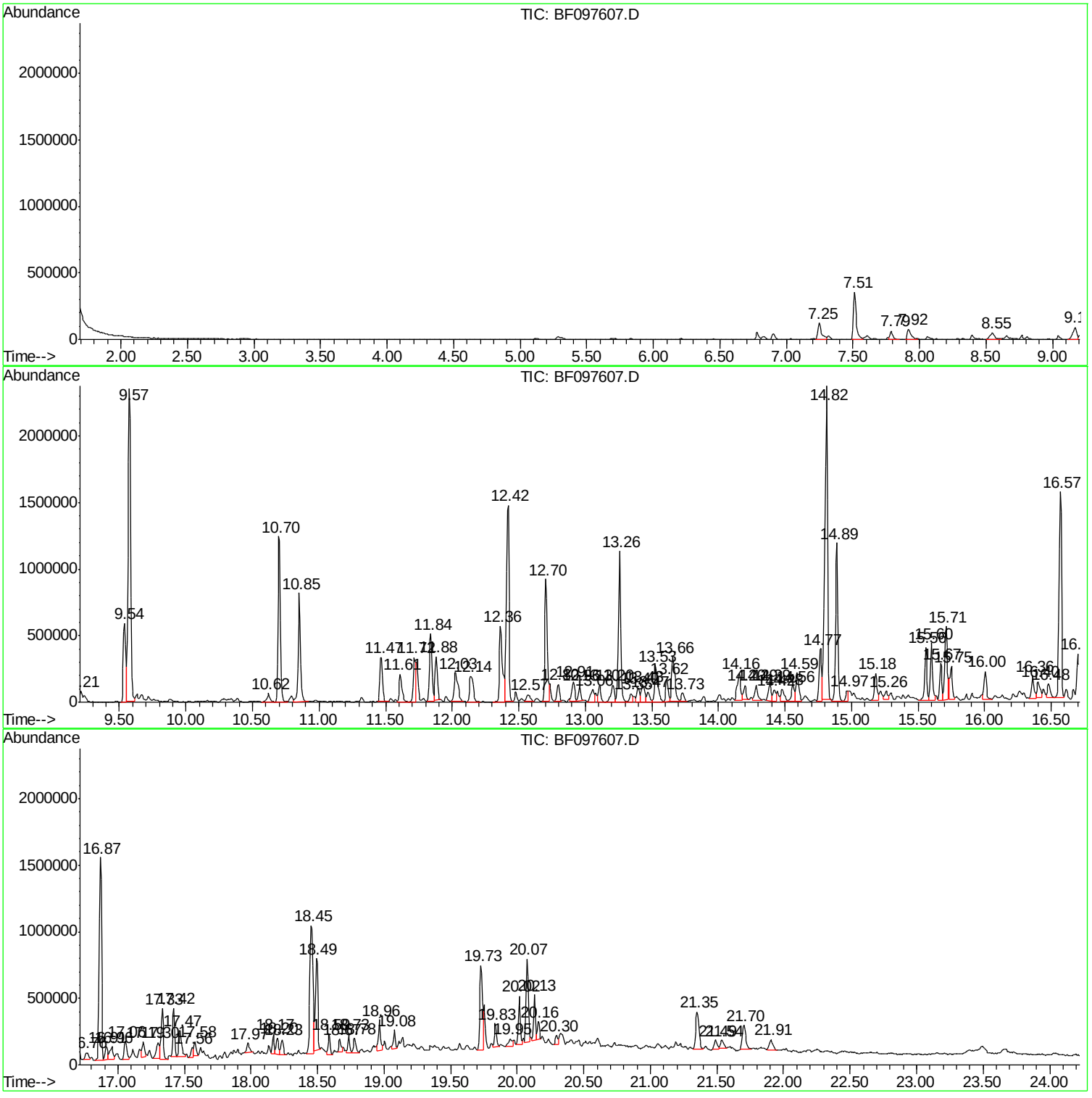
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097607.D
Acq On : 11 Aug 2017 21:52
Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-5B

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 : BF097607.D
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Operator : SJ/JU
Sample : I4697-10 50X
Misc :
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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

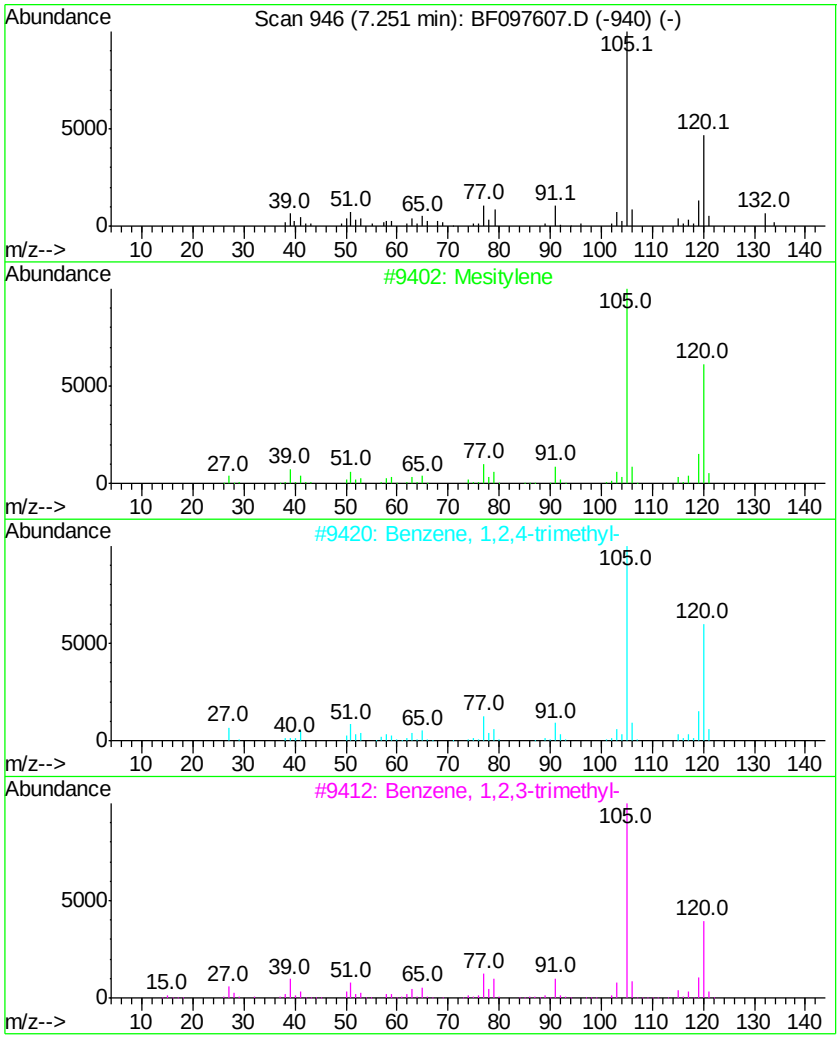
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

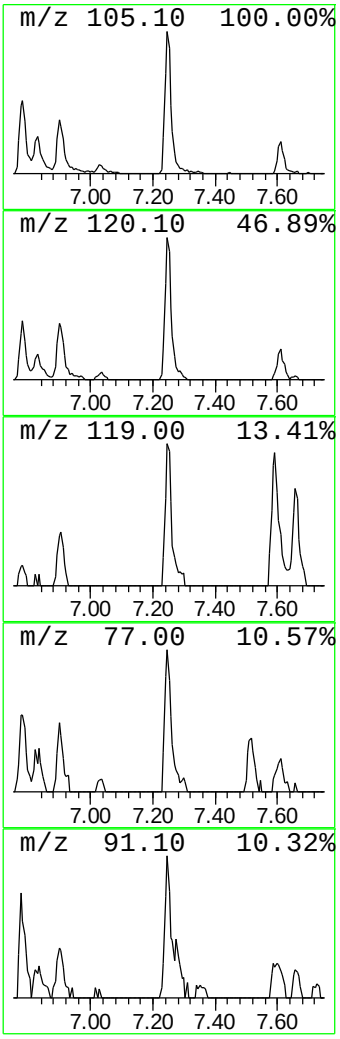
****

Peak Number 1 Mesitylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	8.25 ng	214097	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097607.D
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Sample : I4697-10 50X
Misc :
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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

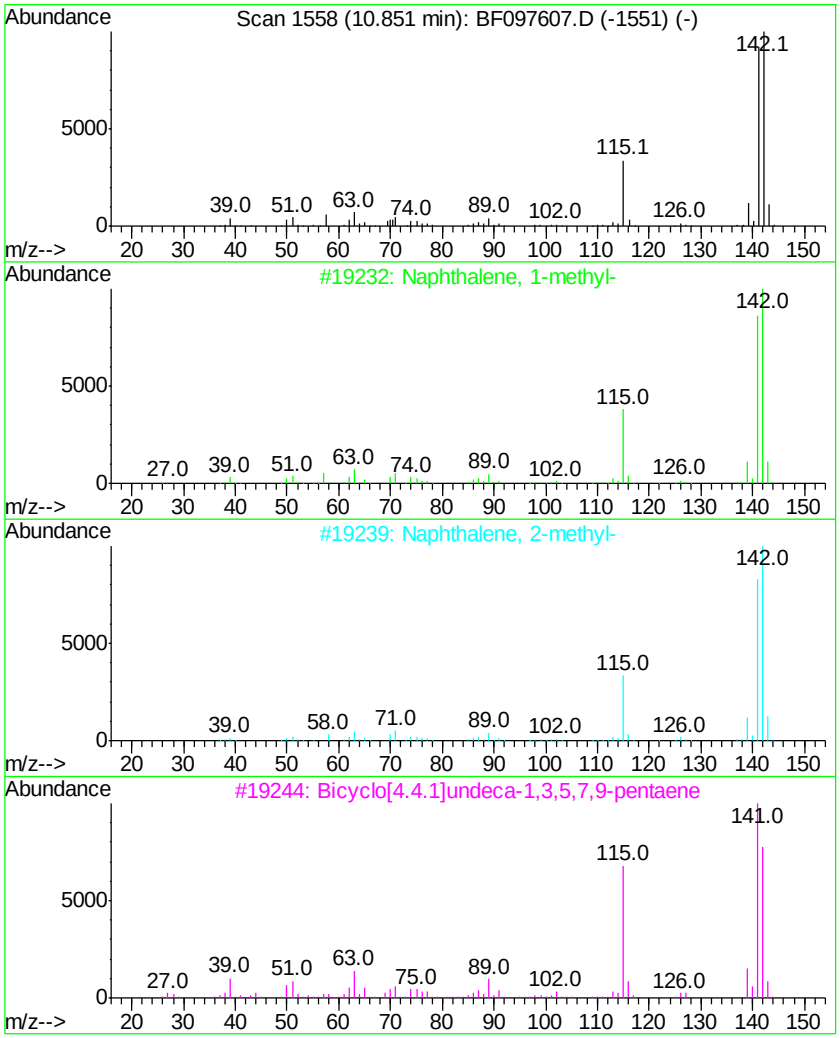
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

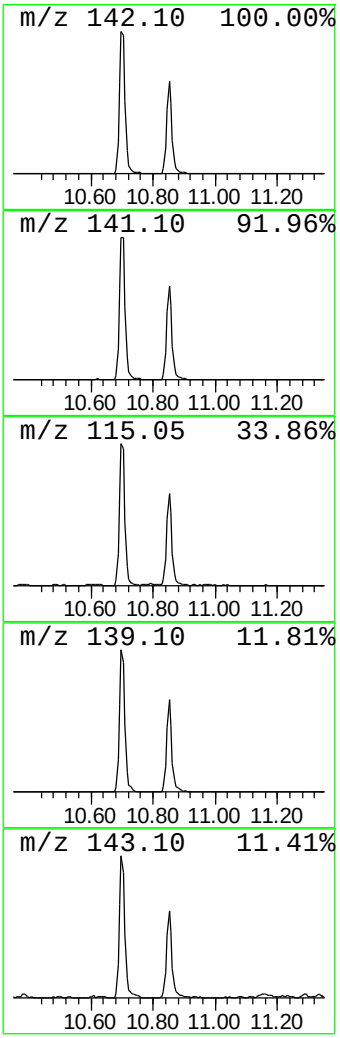
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	27.56 ng	1022520	Naphthalene-d8	9.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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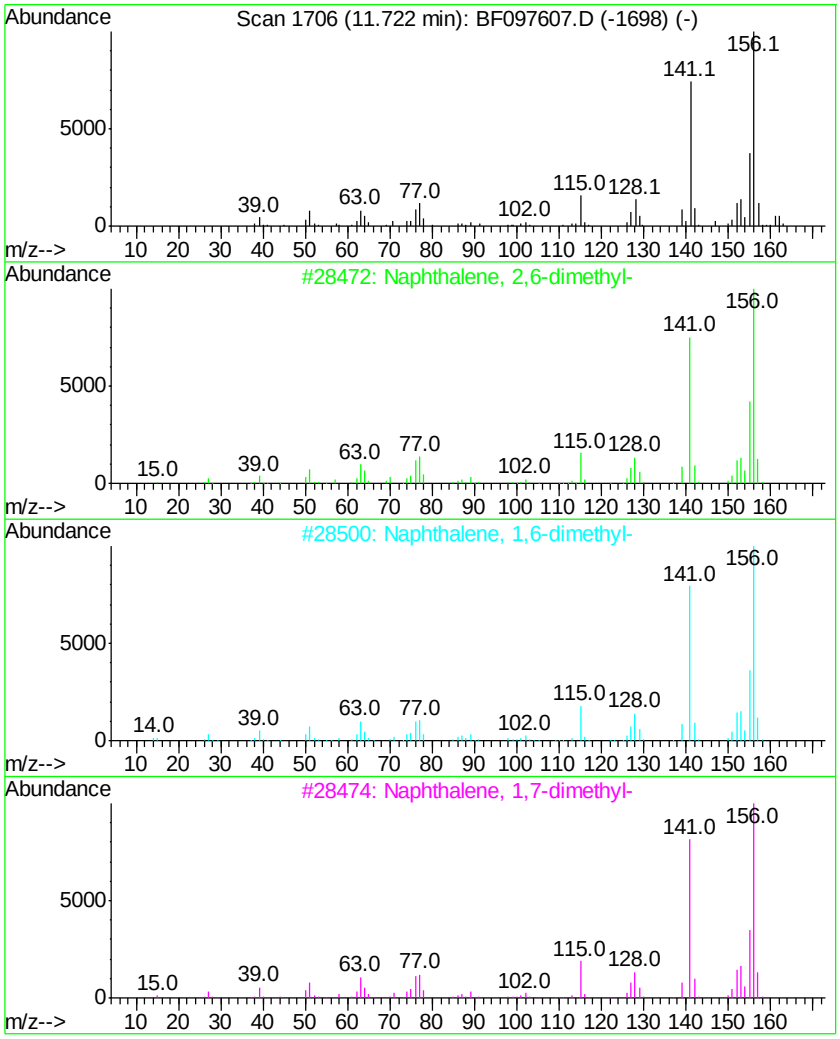
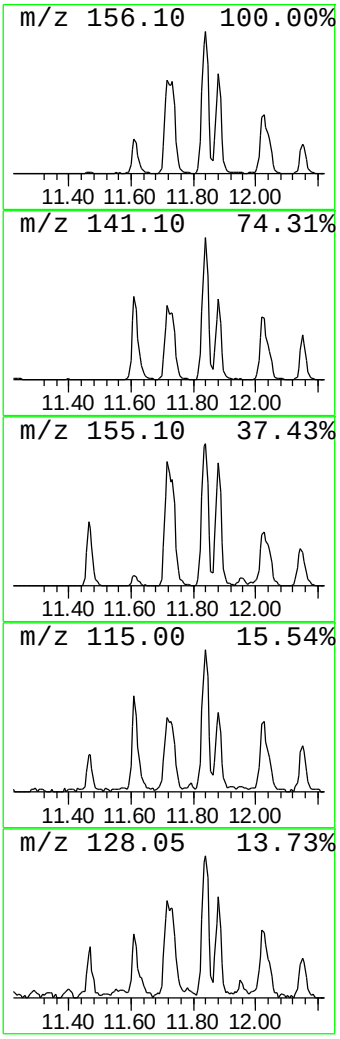
Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	10.45 ng	472170	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	98
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
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Acq On : 11 Aug 2017 21:52
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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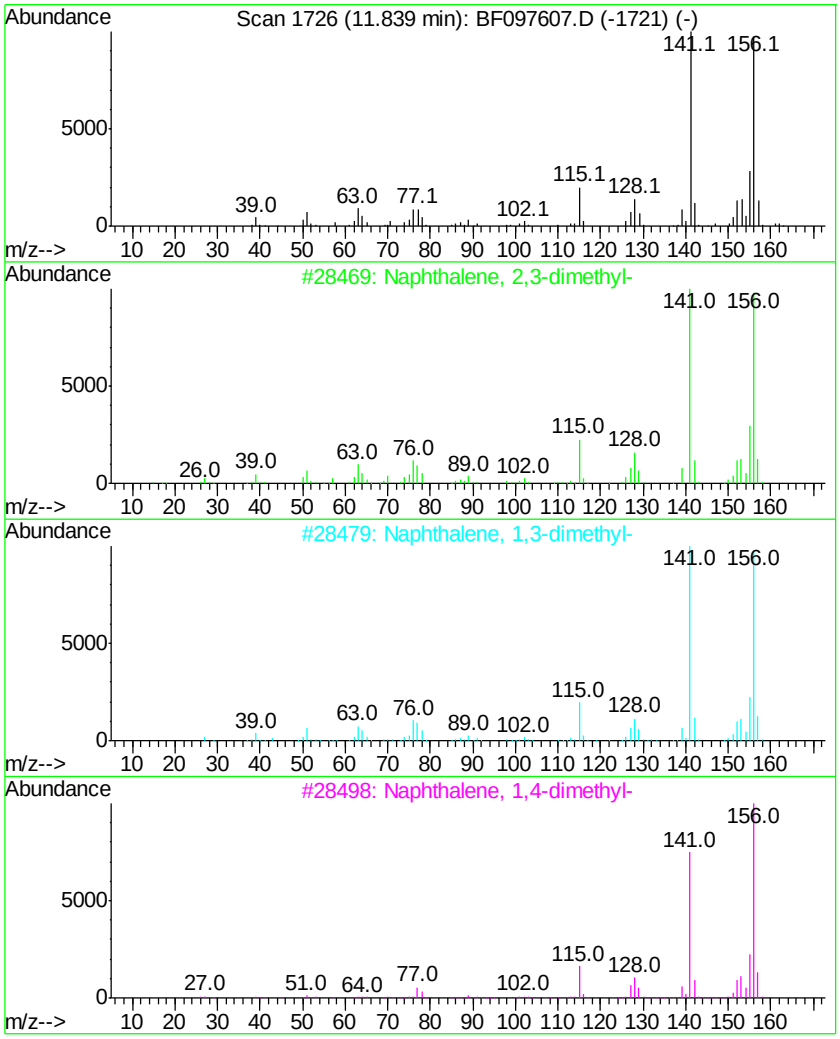
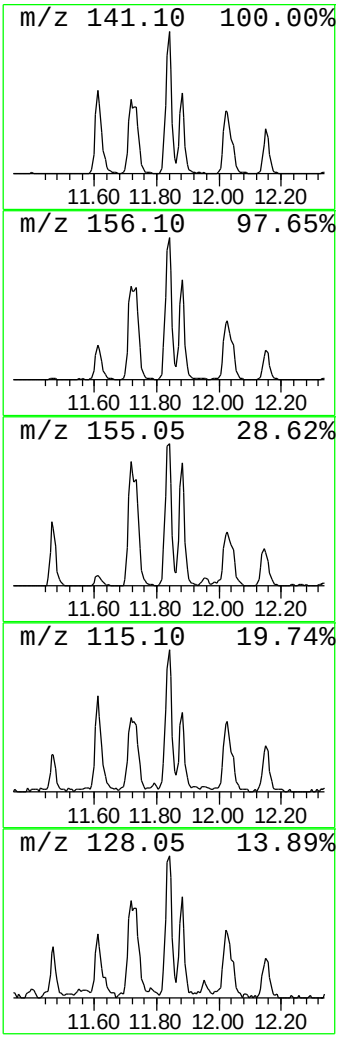
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	15.94 ng	720440	Acenaphthene-d10	12.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097607.D
Acq On : 11 Aug 2017 21:52
Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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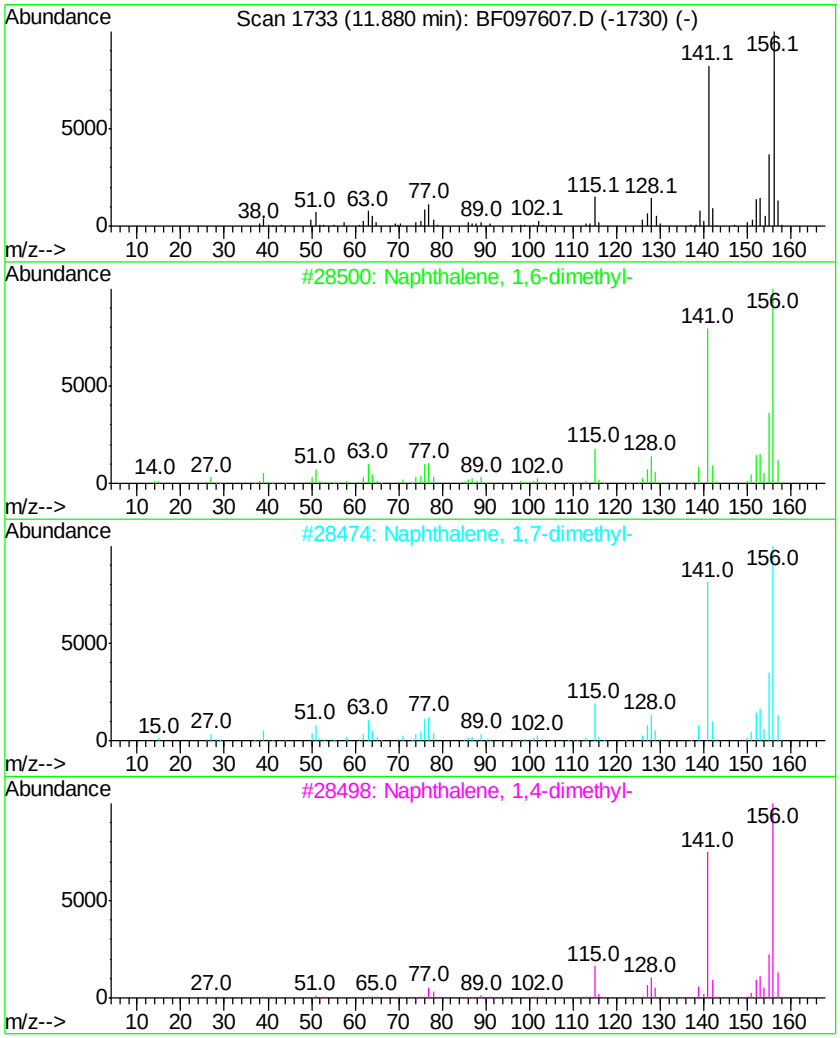
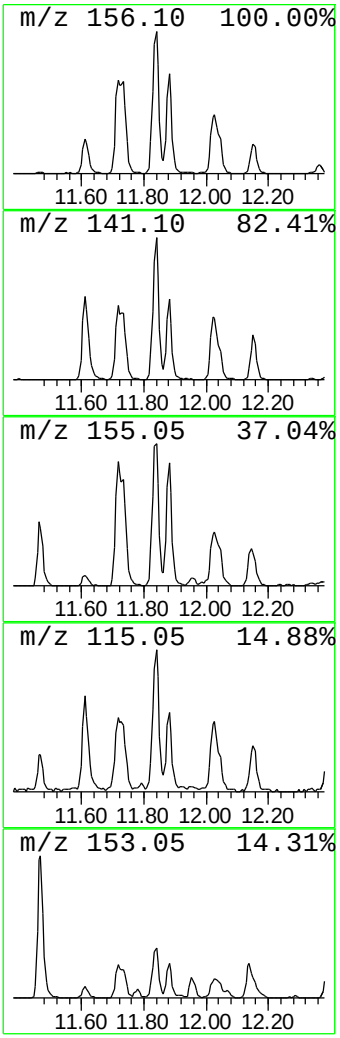
Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	8.32 ng	376069	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, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Data File : BF097607.D
Acq On : 11 Aug 2017 21:52
Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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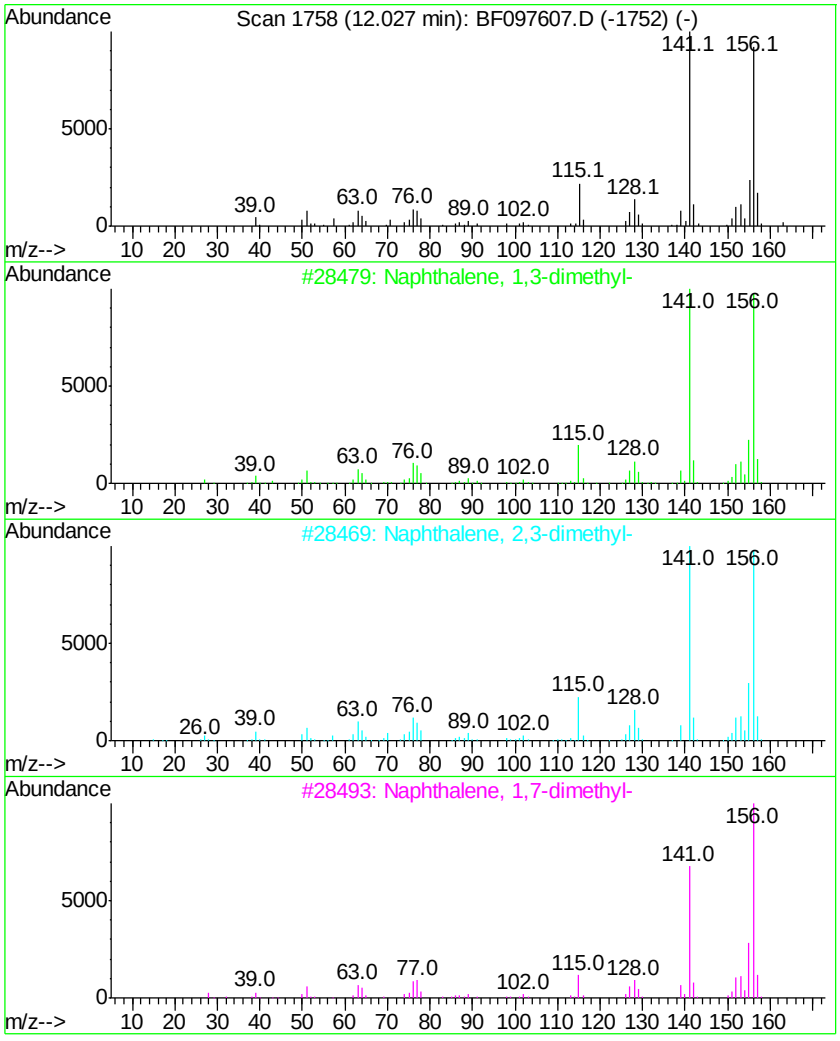
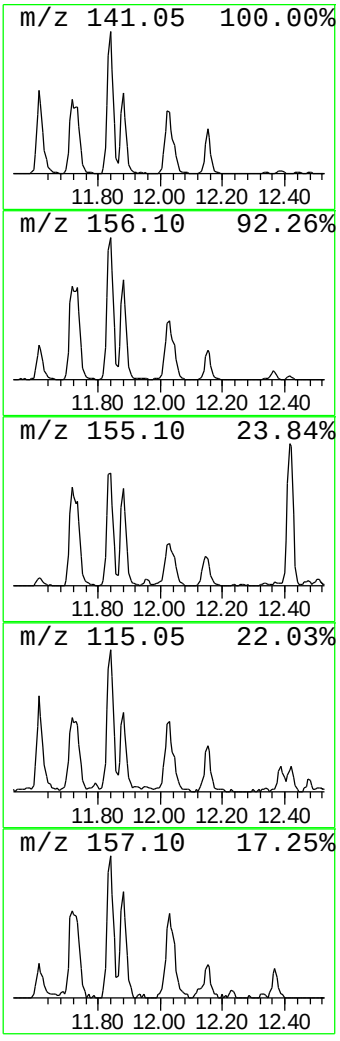
Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	9.85 ng	444899	Acenaphthene-d10	12.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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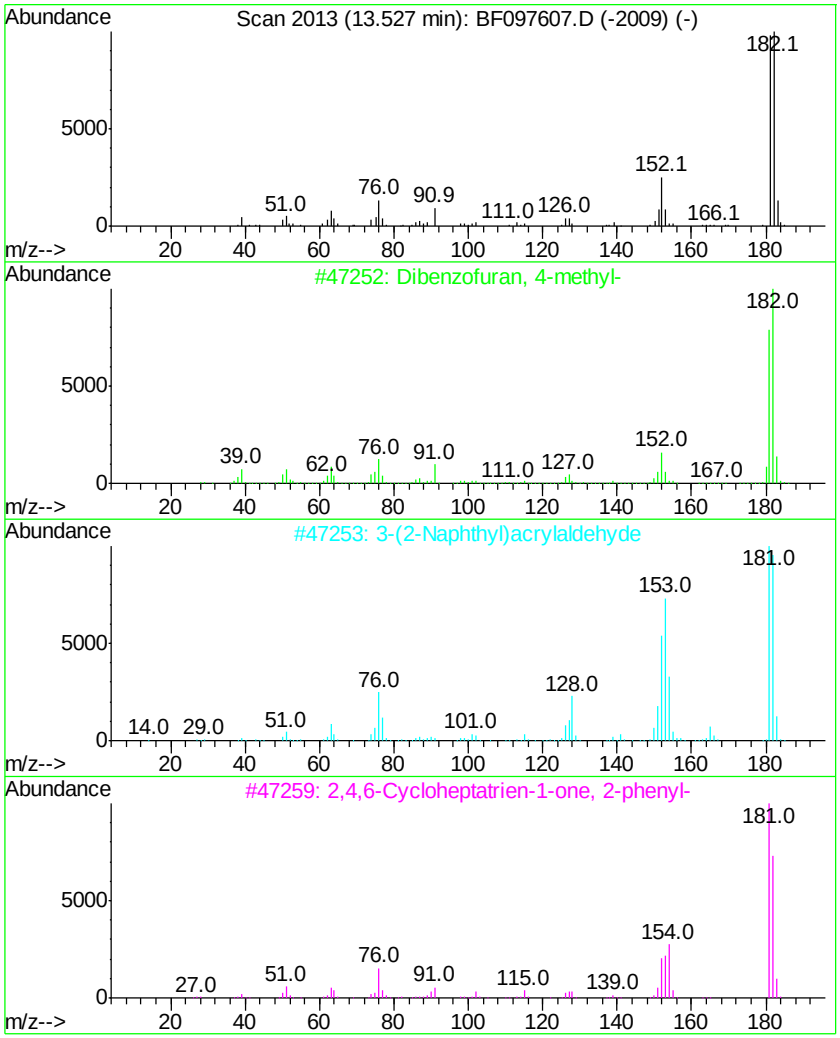
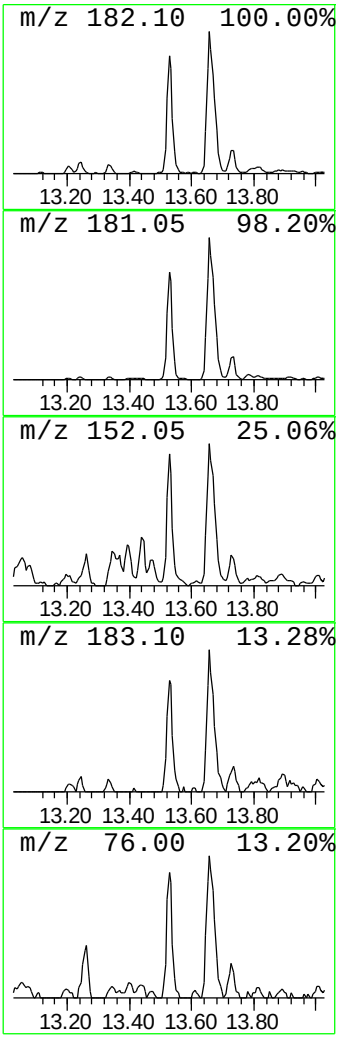
Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	9.96 ng	450227	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	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87





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Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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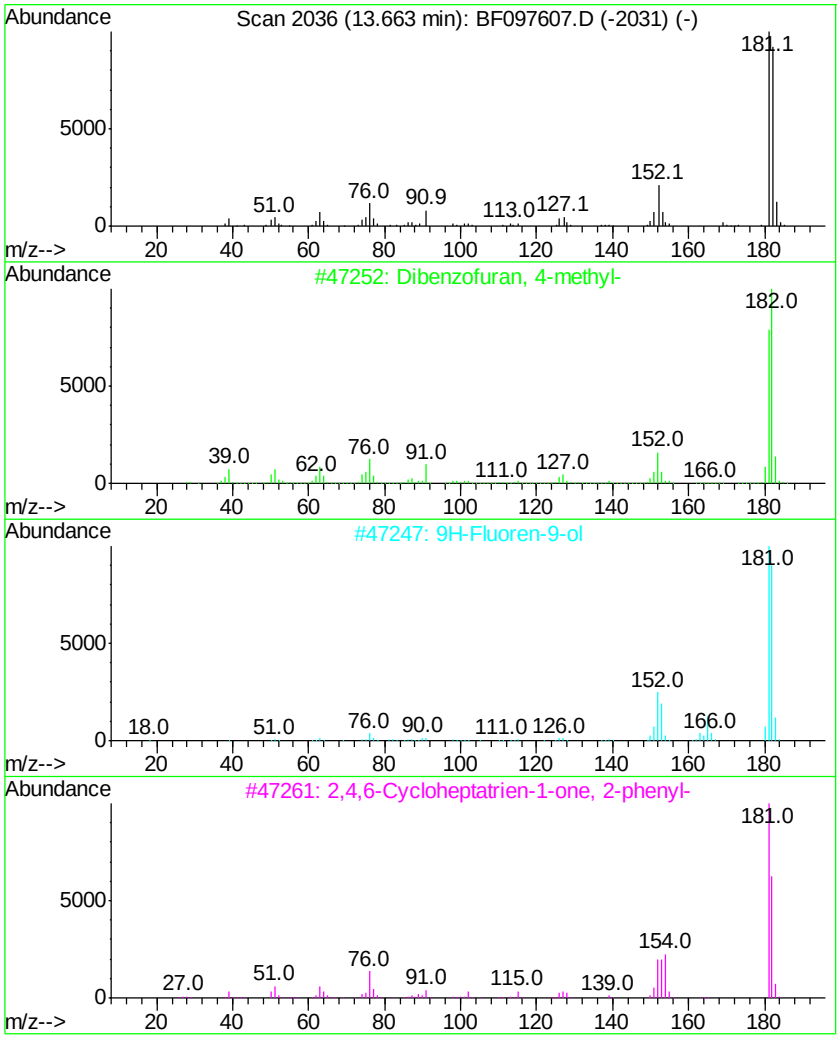
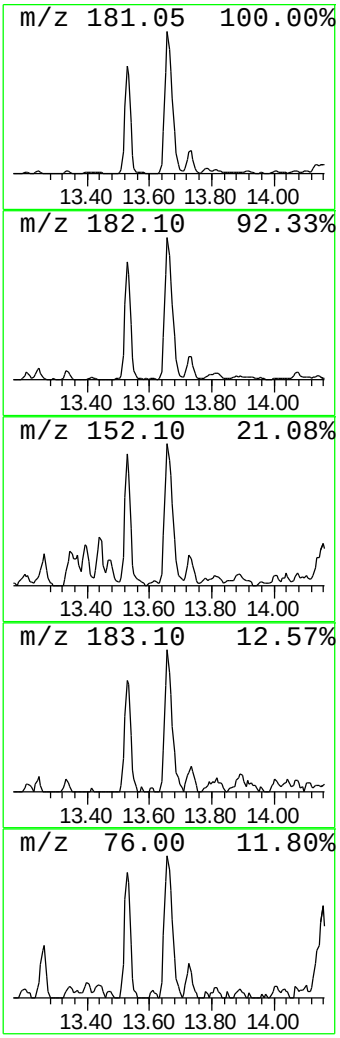
Peak Number 8 9H-Fluoren-9-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	21.20 ng	589507	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Xanthene	182	C13H10O	000092-83-1	64





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Acq On : 11 Aug 2017 21:52
Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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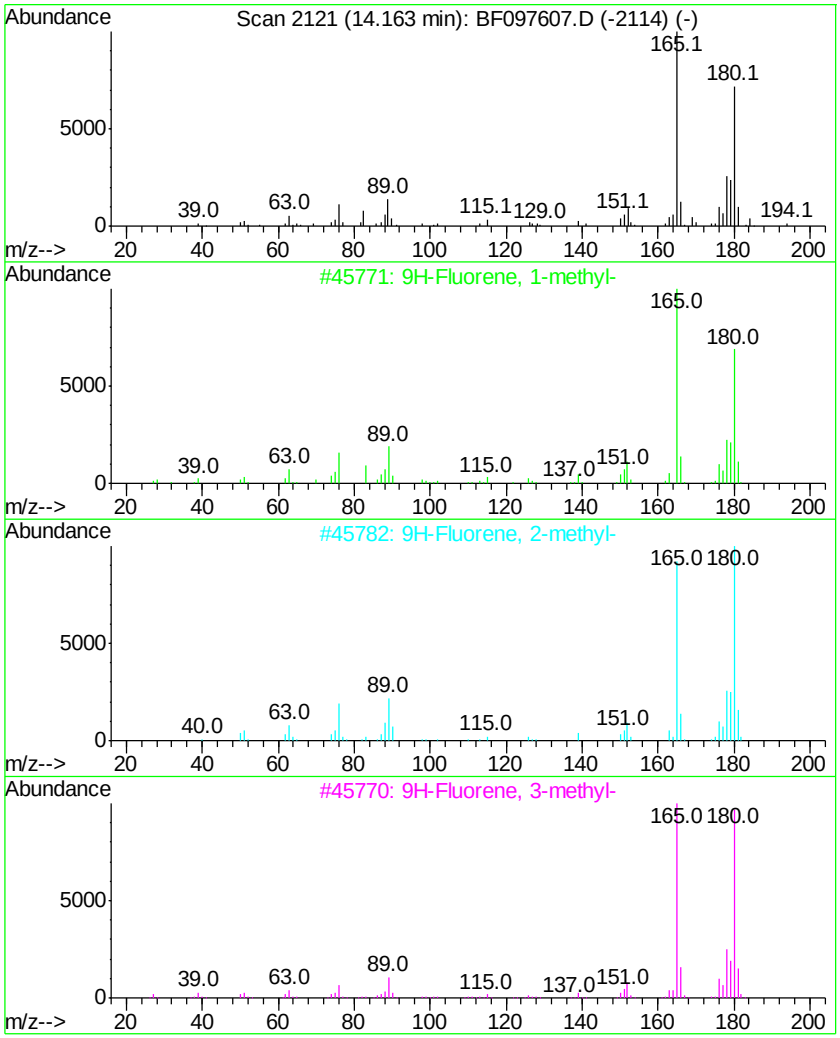
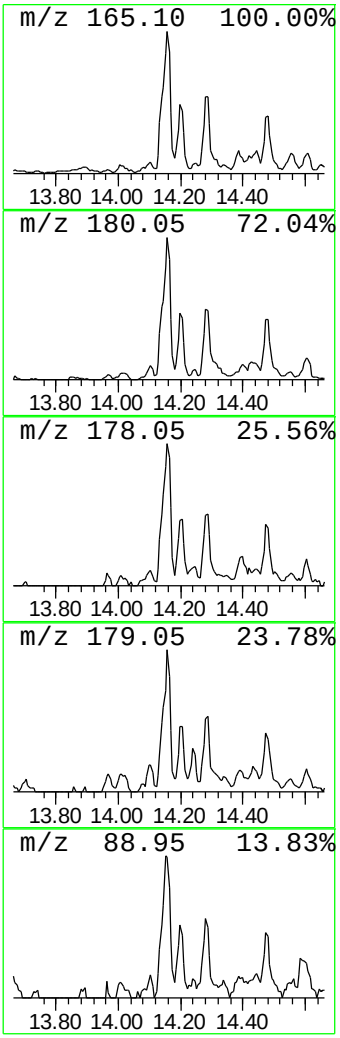
Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	13.23 ng	367829	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	87
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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Acq On : 11 Aug 2017 21:52
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Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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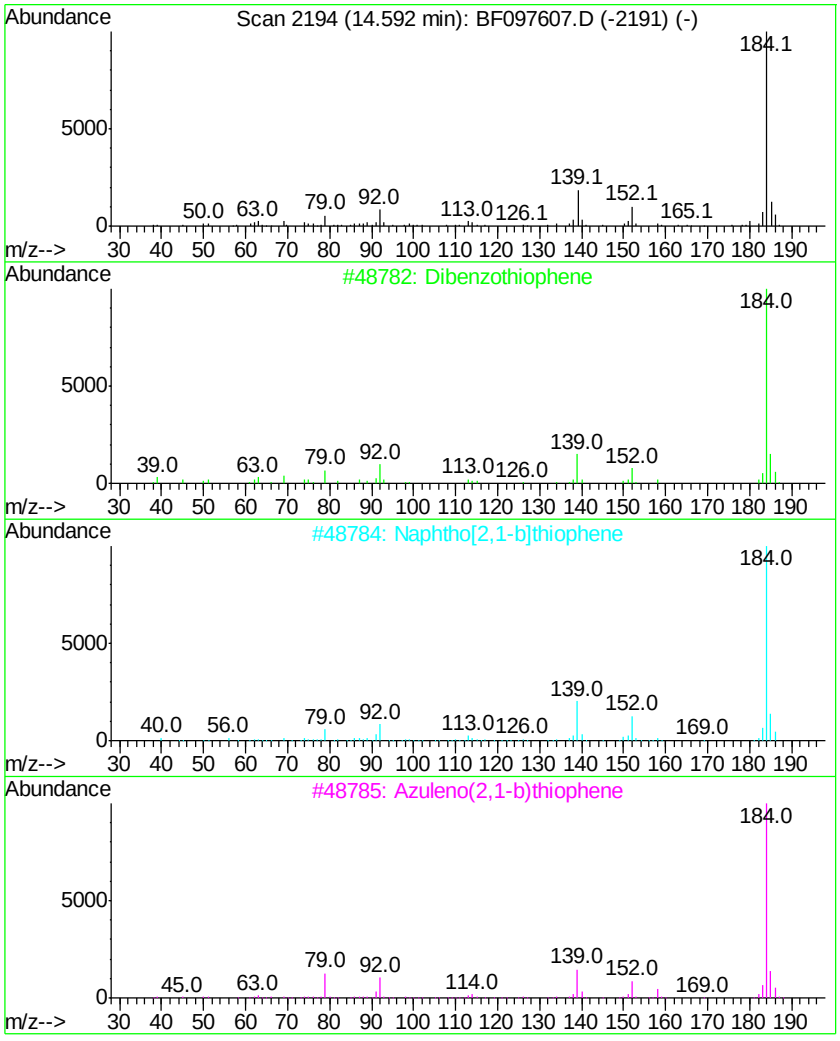
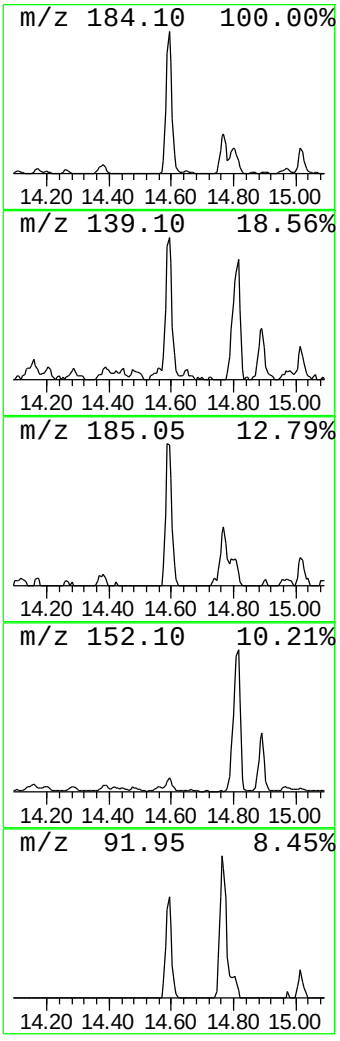
Peak Number 10 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	11.83 ng	328879	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	58





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Acq On : 11 Aug 2017 21:52
Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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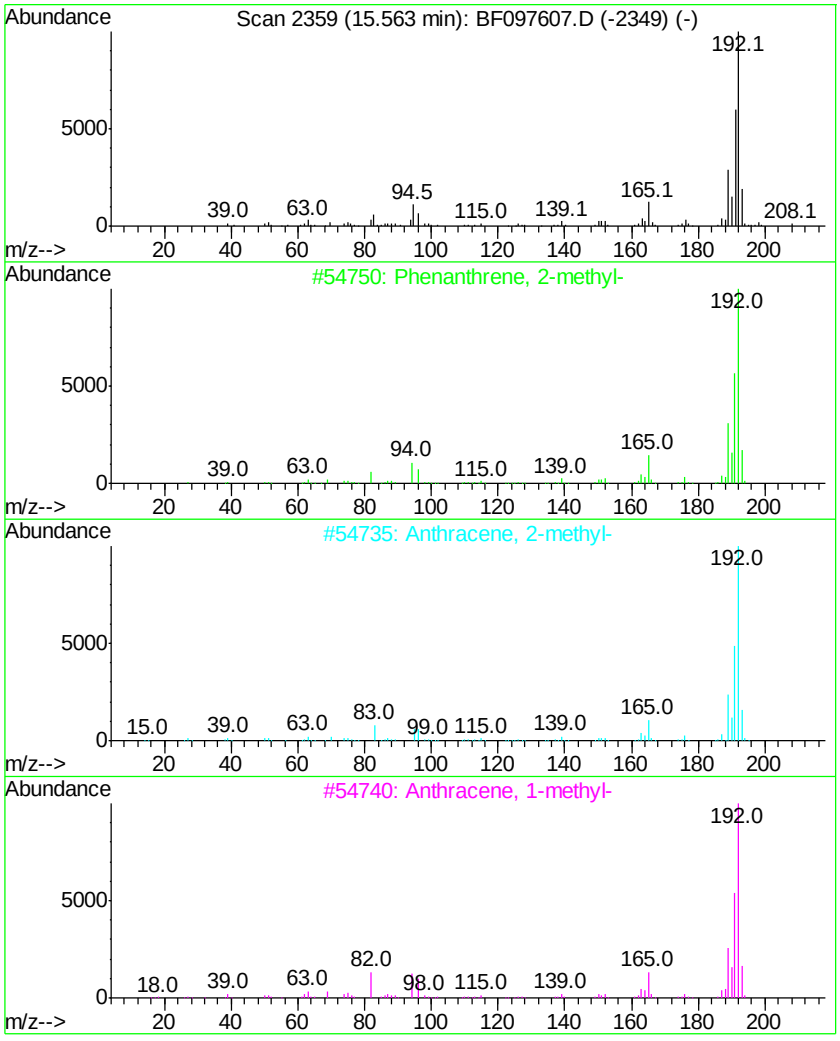
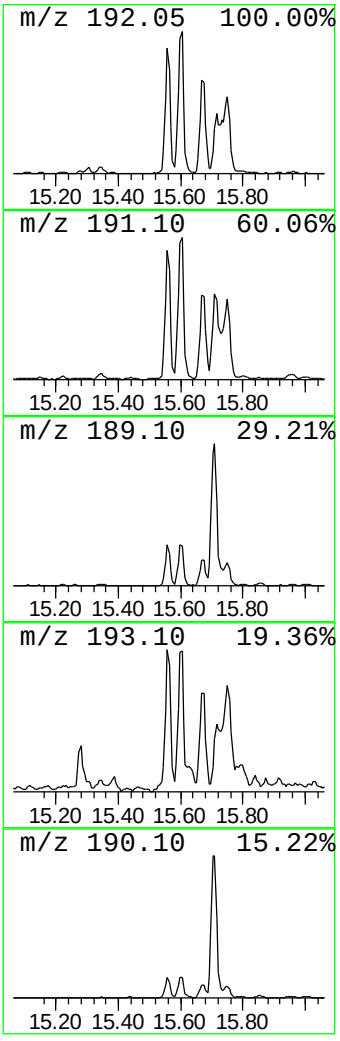
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	17.18 ng	477573	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	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Data File : BF097607.D
Acq On : 11 Aug 2017 21:52
Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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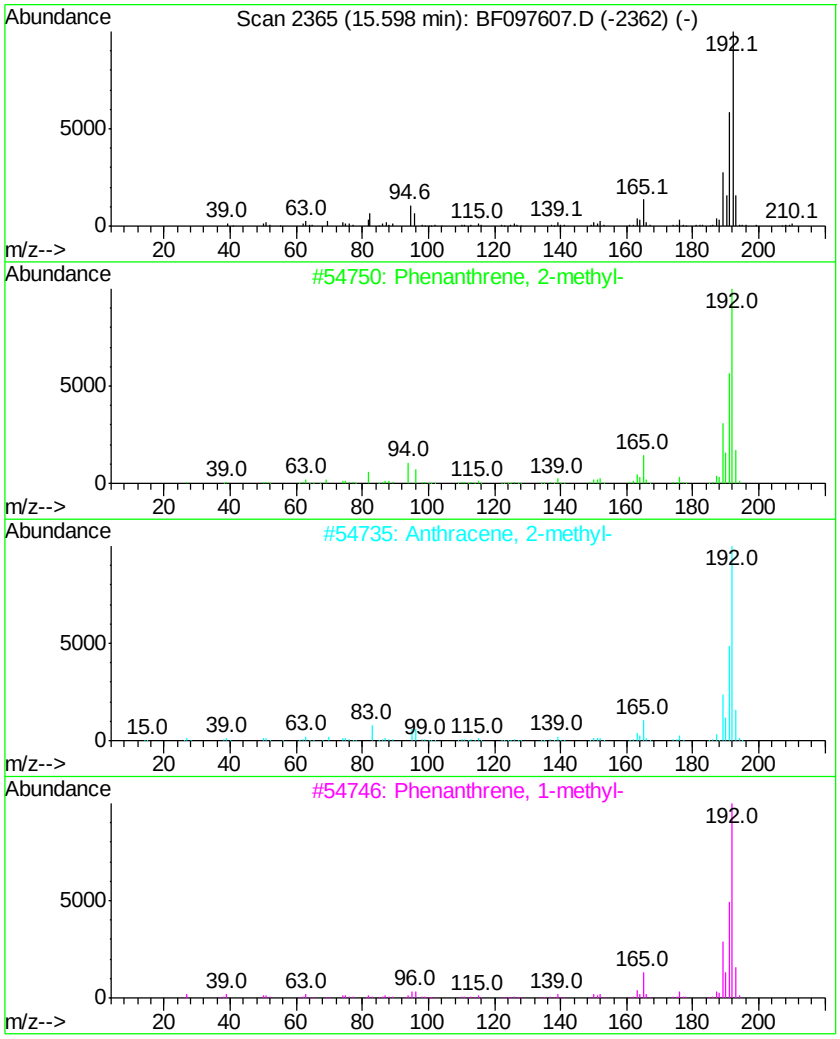
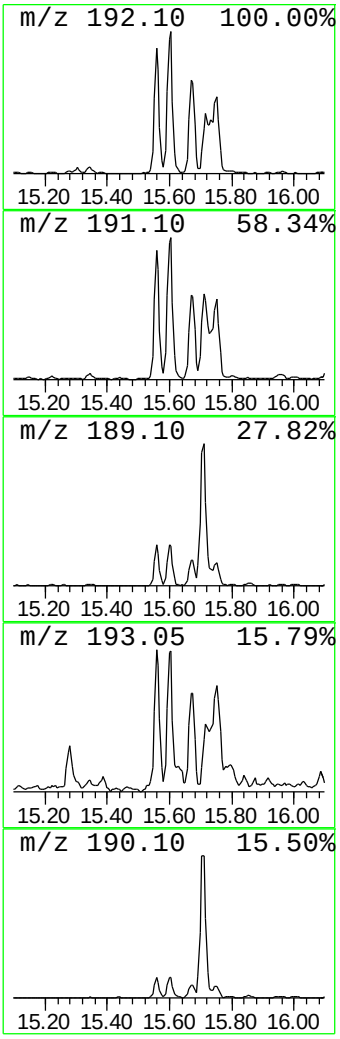
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	19.77 ng	549732	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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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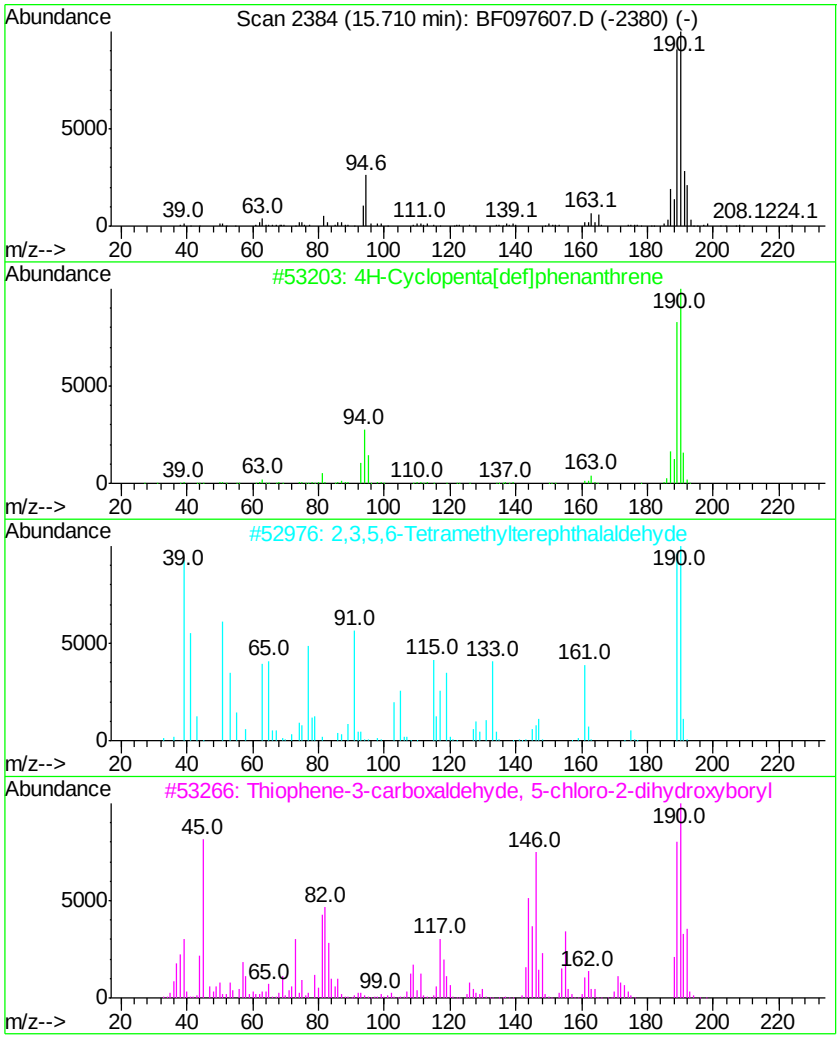
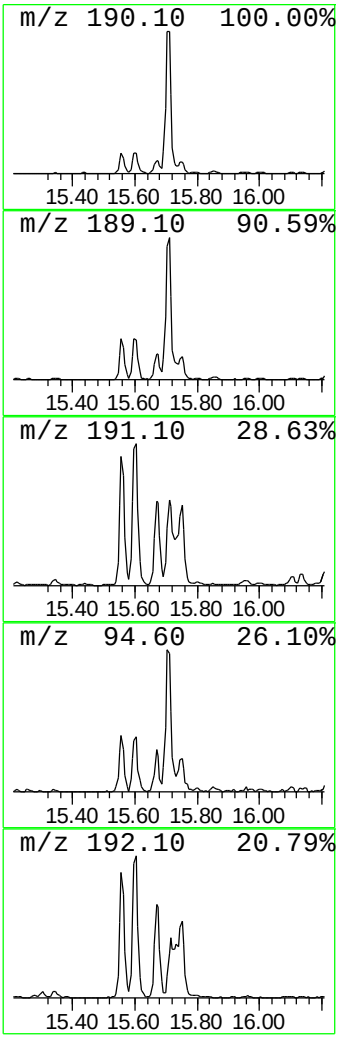
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	26.22 ng	728989	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	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Acq On : 11 Aug 2017 21:52
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Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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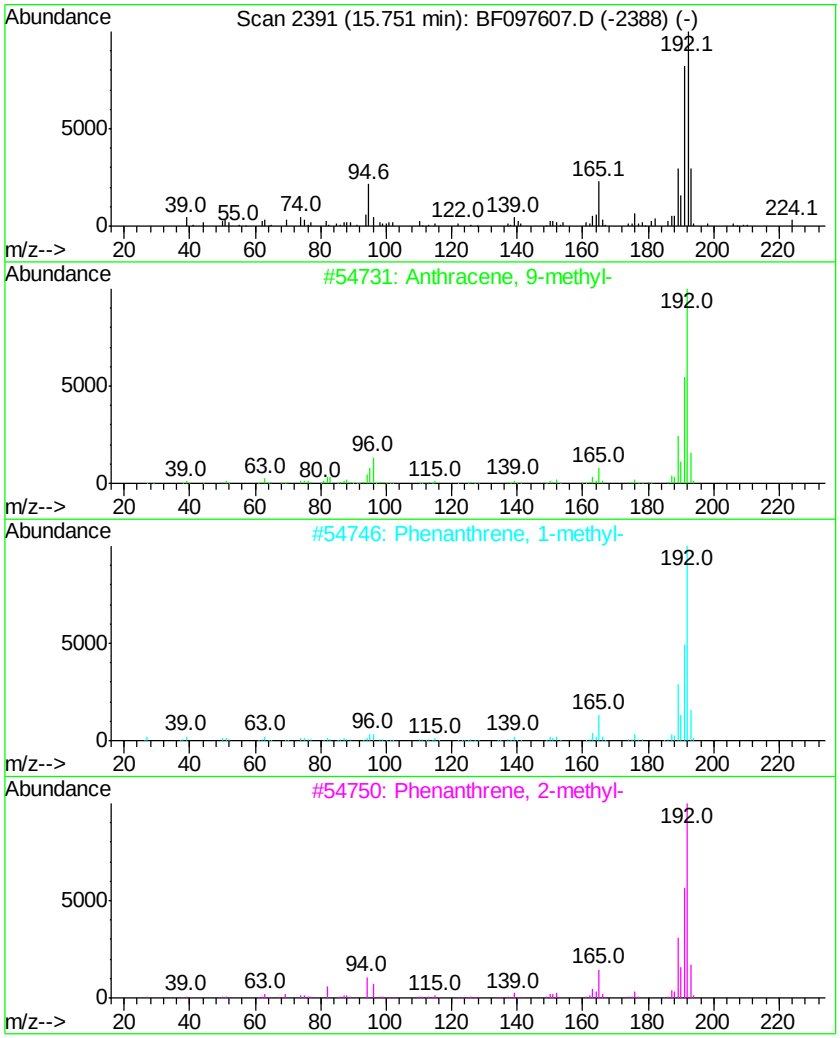
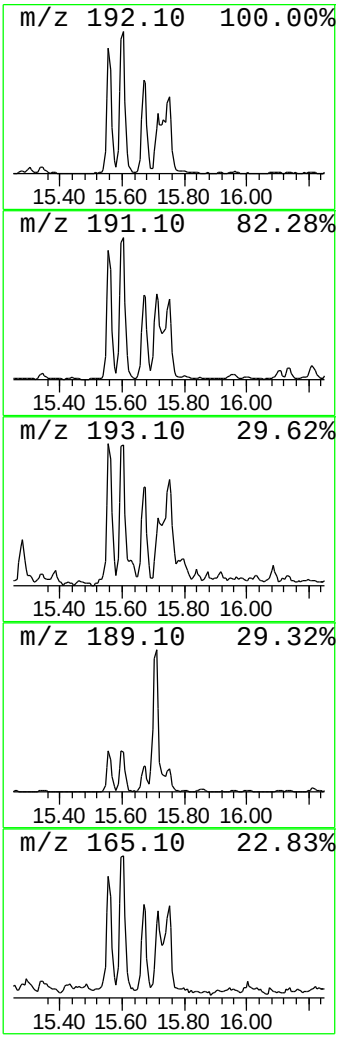
Peak Number 15 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	11.81 ng	328378	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	76





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Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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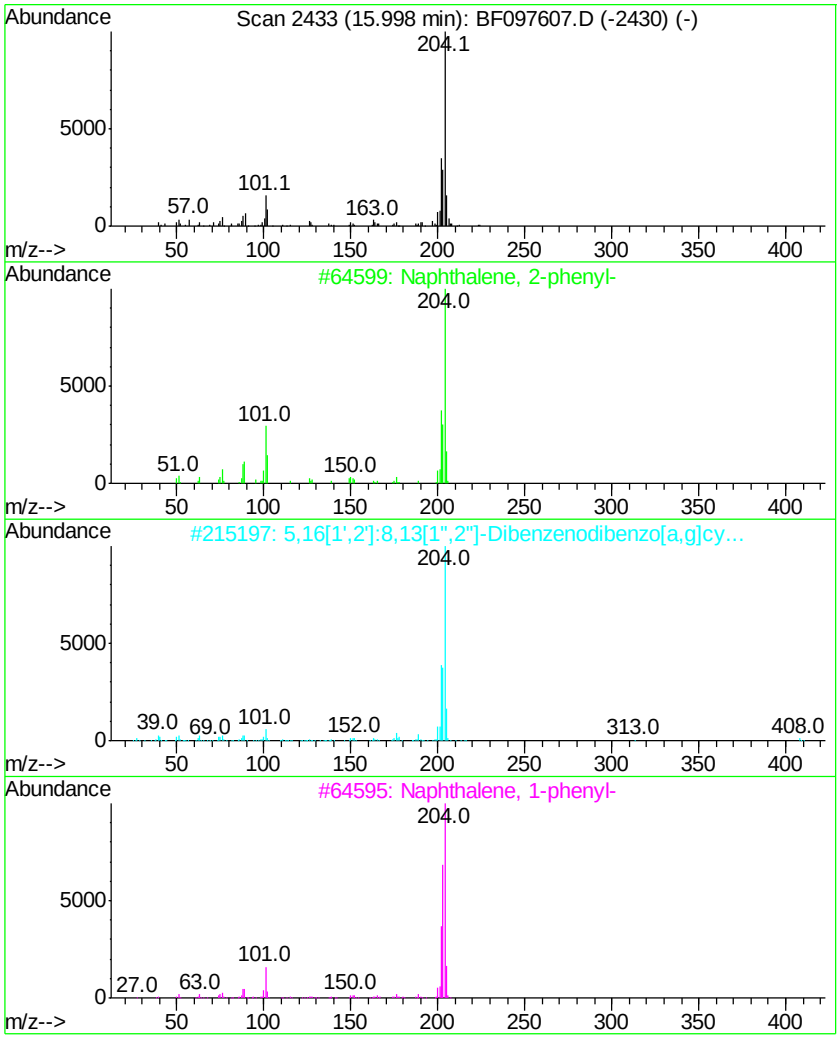
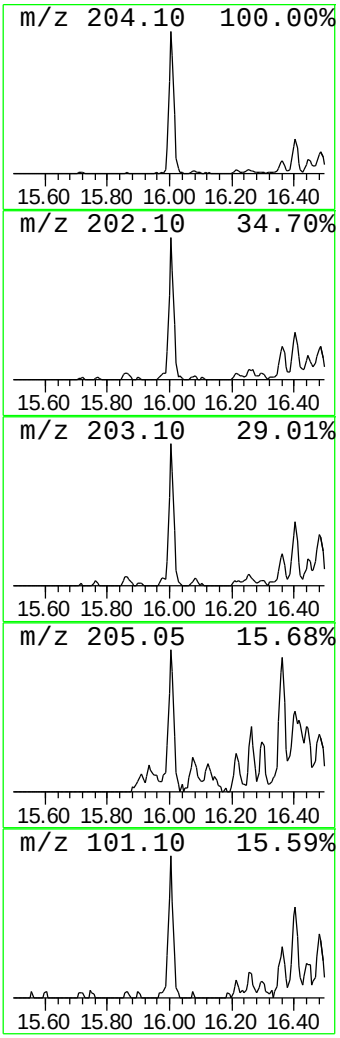
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	10.05 ng	279408	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49





Library Search Compound Report

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Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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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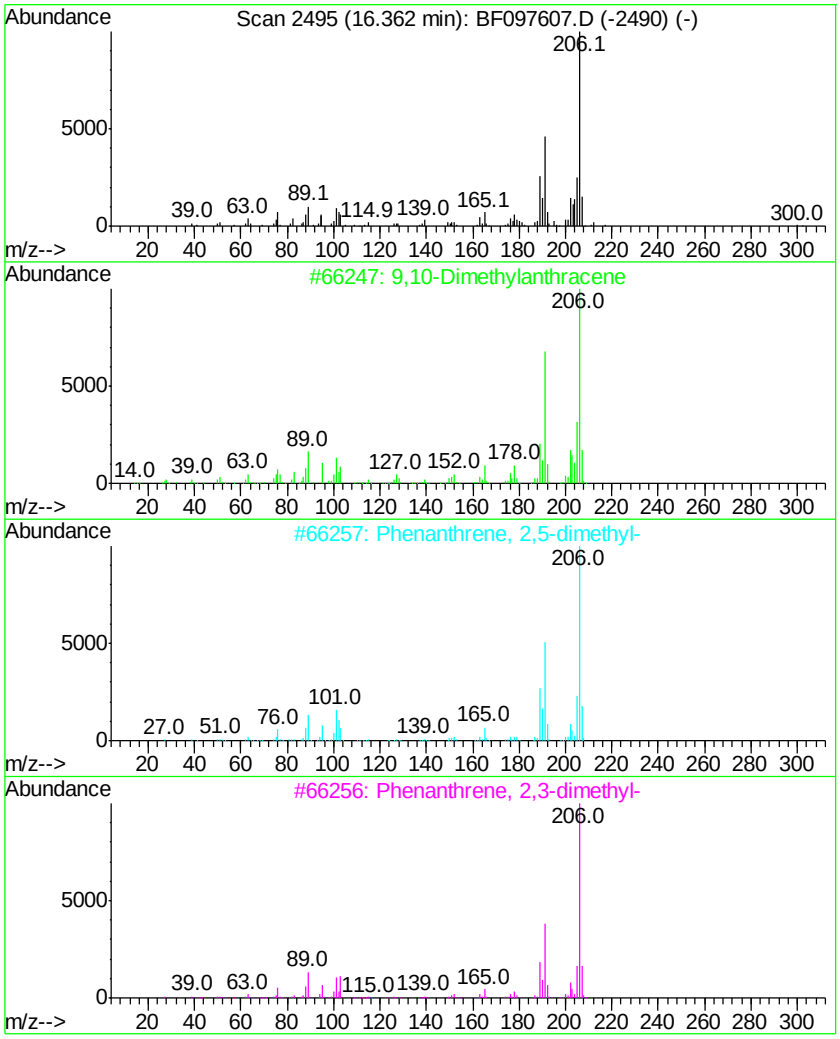
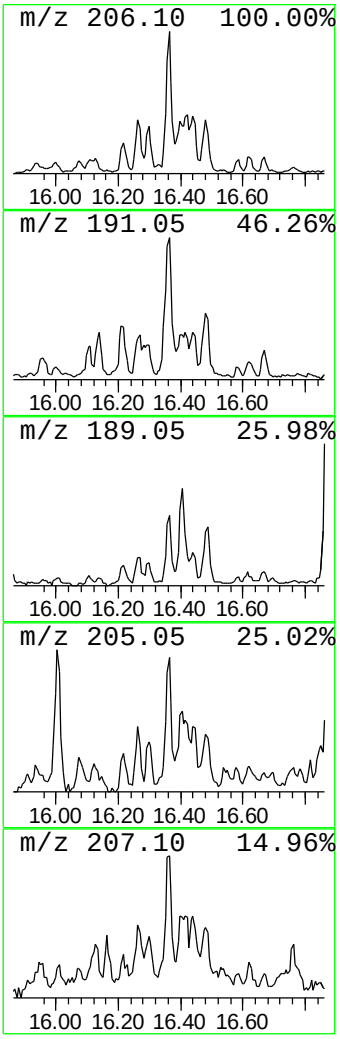
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	8.84 ng	245735	Phenanthrene-d10	14.77

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	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Acq On : 11 Aug 2017 21:52
Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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

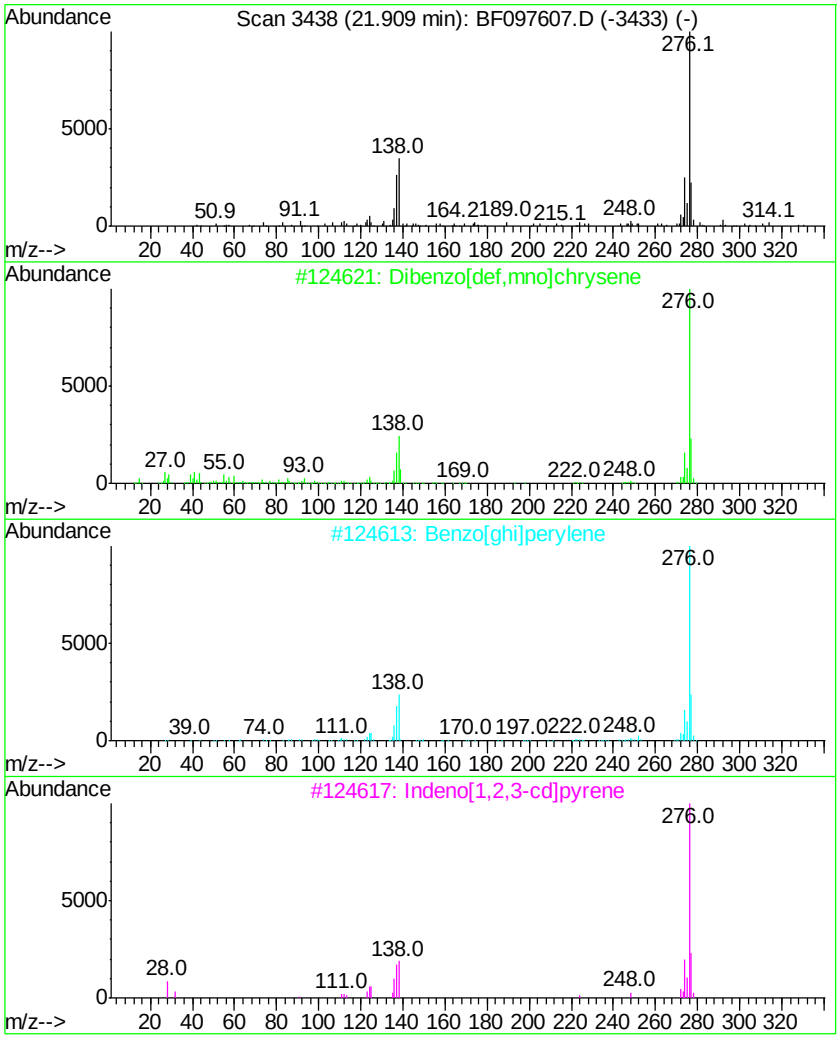
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

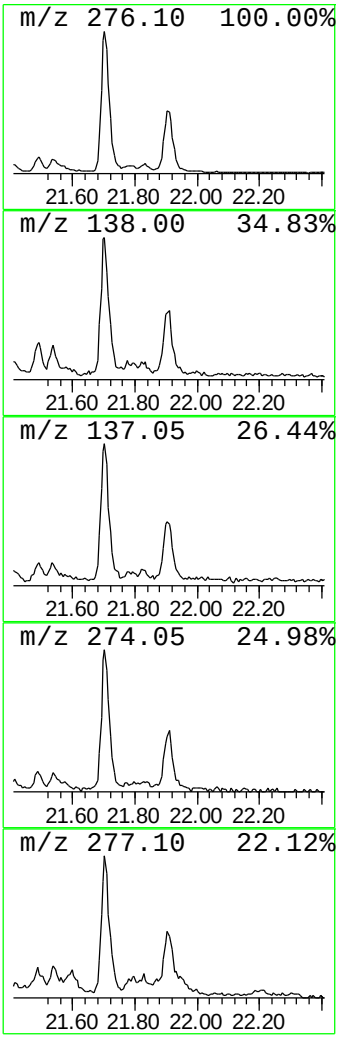
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.91	7.73 ng	146539	Perylene-d12	20.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	90
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081117\
Data File : BF097607.D
Acq On : 11 Aug 2017 21:52
Operator : SJ/JU
Sample : I4697-10 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5B

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
Mesitylene	7.25	8.3	ng	214097	1	7.51	518834	20.0
Naphthalene, 1-me...	10.85	27.6	ng	1022520	2	9.54	742001	20.0
Naphthalene, 2,6-...	11.72	10.4	ng	472170	3	12.36	903709	20.0
Naphthalene, 2,3-...	11.84	15.9	ng	720440	3	12.36	903709	20.0
Naphthalene, 1,6-...	11.88	8.3	ng	376069	3	12.36	903709	20.0
Naphthalene, 1,3-...	12.03	9.8	ng	444899	3	12.36	903709	20.0
Dibenzofuran, 4-m...	13.53	10.0	ng	450227	3	12.36	903709	20.0
9H-Fluoren-9-ol	13.66	21.2	ng	589507	4	14.77	556054	20.0
9H-Fluorene, 1-me...	14.16	13.2	ng	367829	4	14.77	556054	20.0
Dibenzothiophene	14.59	11.8	ng	328879	4	14.77	556054	20.0
Phenanthrene, 2-m...	15.56	17.2	ng	477573	4	14.77	556054	20.0
Phenanthrene, 1-m...	15.60	19.8	ng	549732	4	14.77	556054	20.0
4H-Cyclopenta[def...	15.71	26.2	ng	728989	4	14.77	556054	20.0
Anthracene, 9-met...	15.75	11.8	ng	328378	4	14.77	556054	20.0
Naphthalene, 2-ph...	16.00	10.1	ng	279408	4	14.77	556054	20.0
9,10-Dimethylanth...	16.36	8.8	ng	245735	4	14.77	556054	20.0
Dibenzo[def,mno]c...	21.91	7.7	ng	146539	6	20.13	379068	20.0