LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097609.D
Acq On : 11 Aug 2017 22:57
Operator : SJ/JU
Sample : I4697-08 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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	rBV4	68670	150289	2.29%	0.206%
2	7.510	986	990	1001	rBV	344997	505109	7.70%	0.693%
3	7.916	1055	1059	1077	rBV	136183	225282	3.43%	0.309%
4	9.169	1263	1272	1276	rBV3	102641	196131	2.99%	0.269%
5	9.539	1330	1335	1336	rBV	527562	588638	8.97%	0.807%
6	9.586	1336	1343	1347	rVB	3498907	6236756	95.04%	8.551%
7	9.663	1352	1356	1363	rVV	118023	198992	3.03%	0.273%
8	10.704	1527	1533	1542	rBV	1551048	2002002	30.51%	2.745%
9	10.851	1551	1558	1567	rVB	1074429	1411733	21.51%	1.936%
10	11.463	1658	1662	1671	rBV	588756	685111	10.44%	0.939%
11	11.610	1683	1687	1696	rVB	201636	274523	4.18%	0.376%
12	11.716	1700	1705	1707	rBV	377894	553855	8.44%	0.759%
13	11.839	1720	1726	1730	rBV	573196	854929	13.03%	1.172%
14	11.880	1730	1733	1738	rVV	421389	507920	7.74%	0.696%
15	12.021	1750	1757	1767	rVB2	258815	511119	7.79%	0.701%
16	12.139	1772	1777	1789	rVB2	294748	574018	8.75%	0.787%
17	12.369	1807	1816	1818	rBV	508253	723313	11.02%	0.992%
18	12.427	1820	1826	1830	rVV	2444104	3651599	55.64%	5.007%
19	12.710	1868	1874	1883	rVV	1277976	1897163	28.91%	2.601%
20	12.798	1883	1889	1893	rBV	158388	204585	3.12%	0.281%
21	12.910	1904	1908	1912	rVV	158794	196955	3.00%	0.270%
22	12.957	1912	1916	1920	rVB2	146829	188310	2.87%	0.258%
23	13.057	1926	1933	1935	rBV2	113401	206388	3.14%	0.283%
24	13.104	1939	1941	1949	rVB2	181914	227510	3.47%	0.312%
25	13.210	1949	1959	1962	rBV3	179919	299247	4.56%	0.410%
26	13.263	1962	1968	1977	rVB	1776383	2482586	37.83%	3.404%
27	13.427	1993	1996	2001	rVV2	165832	281983	4.30%	0.387%
28	13.527	2009	2013	2023	rVV2	388462	649182	9.89%	0.890%
29	13.610	2023	2027	2031	rVV	298289	380798	5.80%	0.522%
30	13.657	2031	2035	2043	rVV	410507	705877	10.76%	0.968%
31	14.157	2113	2120	2124	rBV	239090	435561	6.64%	0.597%
32	14.198	2124	2127	2132	rVB2	130013	172702	2.63%	0.237%
33	14.280	2137	2141	2149	rVB	151396	239427	3.65%	0.328%
34	14.386	2154	2159	2162	rVV3	166183	263424	4.01%	0.361%

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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	14.415	2162	2164	2167	rVV	109154	151737	2.31%	0.208%
36	14.480	2172	2175	2182	rVV4	112026	187050	2.85%	0.256%
37	14.562	2182	2189	2190	rVV	153016	220238	3.36%	0.302%
38	14.592	2190	2194	2200	rVV	476398	673180	10.26%	0.923%
39	14.768	2219	2224	2225	rBV	303575	412132	6.28%	0.565%
40	14.827	2225	2234	2237	rVB	3074500	6562540	100.00%	8.998%
41	14.898	2237	2246	2252	rVB	1462210	1973198	30.07%	2.705%
42	15.180	2289	2294	2298	rBV	455855	591230	9.01%	0.811%
43	15.262	2304	2308	2310	rVV	111025	152622	2.33%	0.209%
44	15.386	2326	2329	2332	rVV	136112	157520	2.40%	0.216%
45	15.557	2349	2358	2362	rBV	545255	705533	10.75%	0.967%
46	15.598	2362	2365	2369	rBV	626918	732829	11.17%	1.005%
47	15.674	2374	2378	2380	rVV	361858	449721	6.85%	0.617%
48	15.709	2380	2384	2387	rVV3	897250	1168870	17.81%	1.603%
49	15.751	2388	2391	2395	rVV	331713	420238	6.40%	0.576%
50	16.004	2430	2434	2443	rVB	394327	454861	6.93%	0.624%
51	16.362	2490	2495	2498	rBV	230707	320557	4.88%	0.440%
52	16.404	2498	2502	2506	rVV2	135138	215908	3.29%	0.296%
53	16.480	2512	2515	2521	rVB3	109610	173225	2.64%	0.238%
54	16.580	2524	2532	2535	rBV	2492898	4094474	62.39%	5.614%
55	16.668	2543	2547	2549	rBV	133204	157333	2.40%	0.216%
56	16.698	2549	2552	2557	rVB	507784	563113	8.58%	0.772%
57	16.762	2560	2563	2568	rBV2	149135	218546	3.33%	0.300%
58	16.880	2576	2583	2586	rBV2	2418799	3762503	57.33%	5.159%
59	16.915	2586	2589	2591	rVV	231207	248942	3.79%	0.341%
60	16.956	2591	2596	2599	rVV2	144948	246871	3.76%	0.338%
61	17.056	2609	2613	2617	rBV	213552	232251	3.54%	0.318%
62	17.104	2617	2621	2628	rVB2	131697	183595	2.80%	0.252%
63	17.192	2633	2636	2639	rVB2	145375	174395	2.66%	0.239%
64	17.233	2640	2643	2648	rVB	138020	172509	2.63%	0.237%
65	17.303	2648	2655	2657	rBV3	191772	360221	5.49%	0.494%
66	17.333	2657	2660	2666	rVB	546609	668977	10.19%	0.917%
67	17.421	2671	2675	2679	rVB	583835	627025	9.55%	0.860%
68	17.468	2679	2683	2688	rBV2	257591	386600	5.89%	0.530%
69	17.551	2693	2697	2700	rBV	182879	258485	3.94%	0.354%
70	17.580	2700	2702	2706	rVV	173373	192750	2.94%	0.264%
71	17.621	2706	2709	2715	rVB2	108327	167997	2.56%	0.230%

LSC Area Percent Report

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Data File : BF097609.D
Acq On : 11 Aug 2017 22:57
Operator : SJ/JU
Sample : I4697-08 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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	17.974	2765	2769	2774	rBV3	118389	222517	3.39%	0.305%
73	18.133	2792	2796	2799	rBV	146557	160532	2.45%	0.220%
74	18.168	2799	2802	2804	rVV	193771	201036	3.06%	0.276%
75	18.198	2804	2807	2810	rVV	245996	276897	4.22%	0.380%
76	18.233	2810	2813	2818	rVB2	236101	269650	4.11%	0.370%
77	18.456	2845	2851	2855	rBV2	1476001	2599783	39.62%	3.565%
78	18.498	2855	2858	2862	rVB2	1075560	1276544	19.45%	1.750%
79	18.592	2870	2874	2878	rBV	431337	464092	7.07%	0.636%
80	18.733	2894	2898	2902	rBV	189891	224960	3.43%	0.308%
81	18.774	2902	2905	2911	rVB	167959	206484	3.15%	0.283%
82	18.927	2925	2931	2933	rBV3	115634	217720	3.32%	0.299%
83	18.962	2934	2937	2941	rVV	313163	385393	5.87%	0.528%
84	19.003	2941	2944	2948	rVB2	128639	153173	2.33%	0.210%
85	19.080	2953	2957	2960	rVB2	203438	234642	3.58%	0.322%
86	19.562	3036	3039	3044	rBV	117226	145428	2.22%	0.199%
87	19.733	3062	3068	3070	rVV	1105823	1624139	24.75%	2.227%
88	19.756	3070	3072	3077	rVV	623342	653099	9.95%	0.895%
89	19.839	3083	3086	3090	rVB	325730	362393	5.52%	0.497%
90	20.021	3112	3117	3120	rVV	725937	796619	12.14%	1.092%
91	20.080	3123	3127	3133	rVV	1182738	1455552	22.18%	1.996%
92	20.133	3133	3136	3138	rVV	390208	396358	6.04%	0.543%
93	20.162	3138	3141	3145	rVB	344823	358975	5.47%	0.492%
94	20.603	3213	3216	3223	rVB	105263	153078	2.33%	0.210%
95	21.356	3338	3344	3350	rVB	598588	999523	15.23%	1.370%
96	21.491	3361	3367	3371	rBV	133802	239371	3.65%	0.328%
97	21.538	3371	3375	3384	rVV2	93824	177195	2.70%	0.243%
98	21.709	3397	3404	3409	rBV	488294	850194	12.96%	1.166%
99	21.903	3432	3437	3448	rBV	236931	463230	7.06%	0.635%
100	23.485	3702	3706	3717	rVB2	89734	241805	3.68%	0.332%

Sum of corrected areas: 72933175

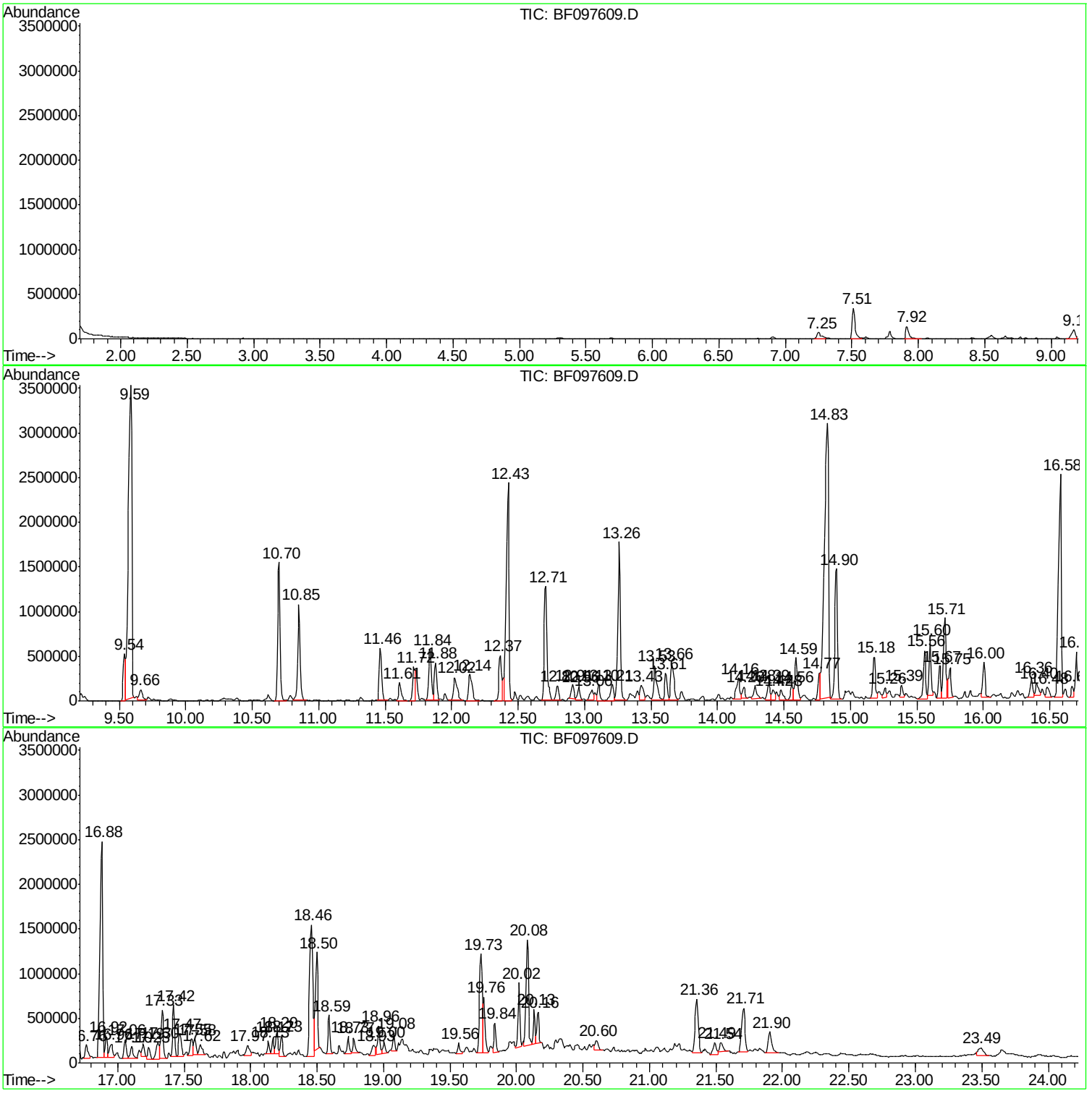
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097609.D
Acq On : 11 Aug 2017 22:57
Operator : SJ/JU
Sample : I4697-08 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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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Data File : BF097609.D
Acq On : 11 Aug 2017 22:57
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

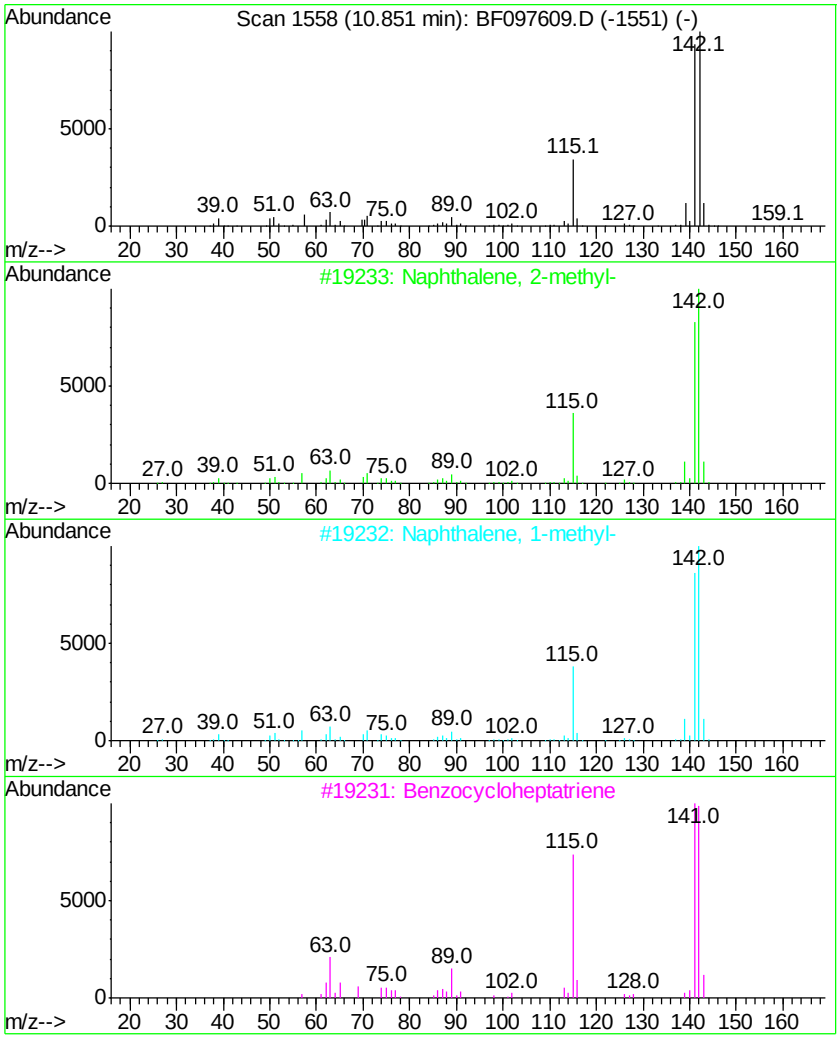
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

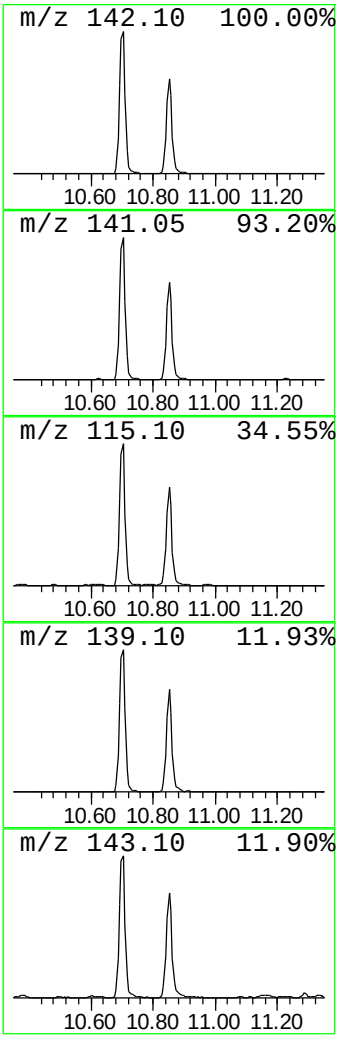
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	47.97 ng	1411730	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	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





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Sample : I4697-08 50X
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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

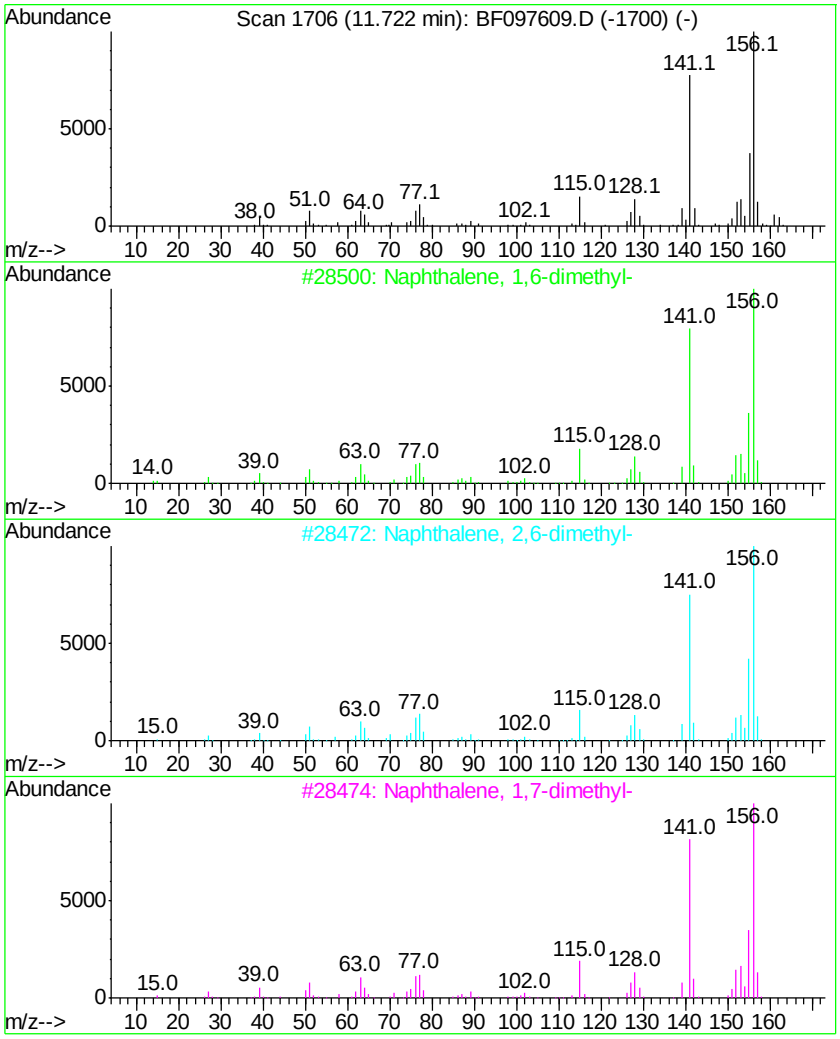
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

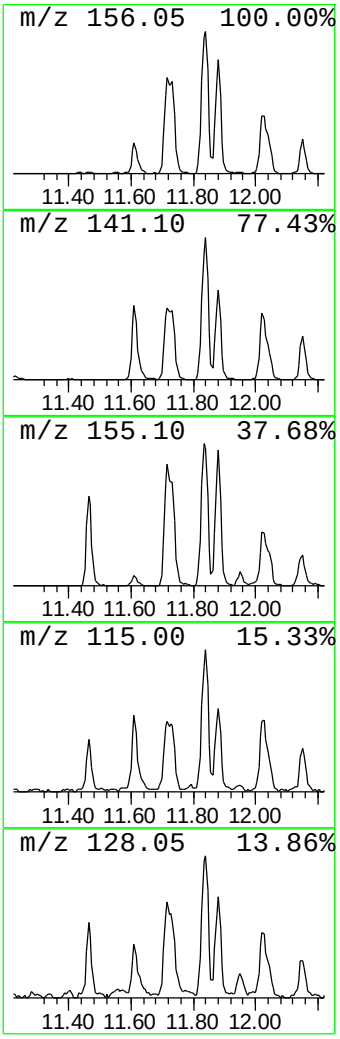
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	15.31 ng	553855	Acenaphthene-d10	12.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
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Acq On : 11 Aug 2017 22:57
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Sample : I4697-08 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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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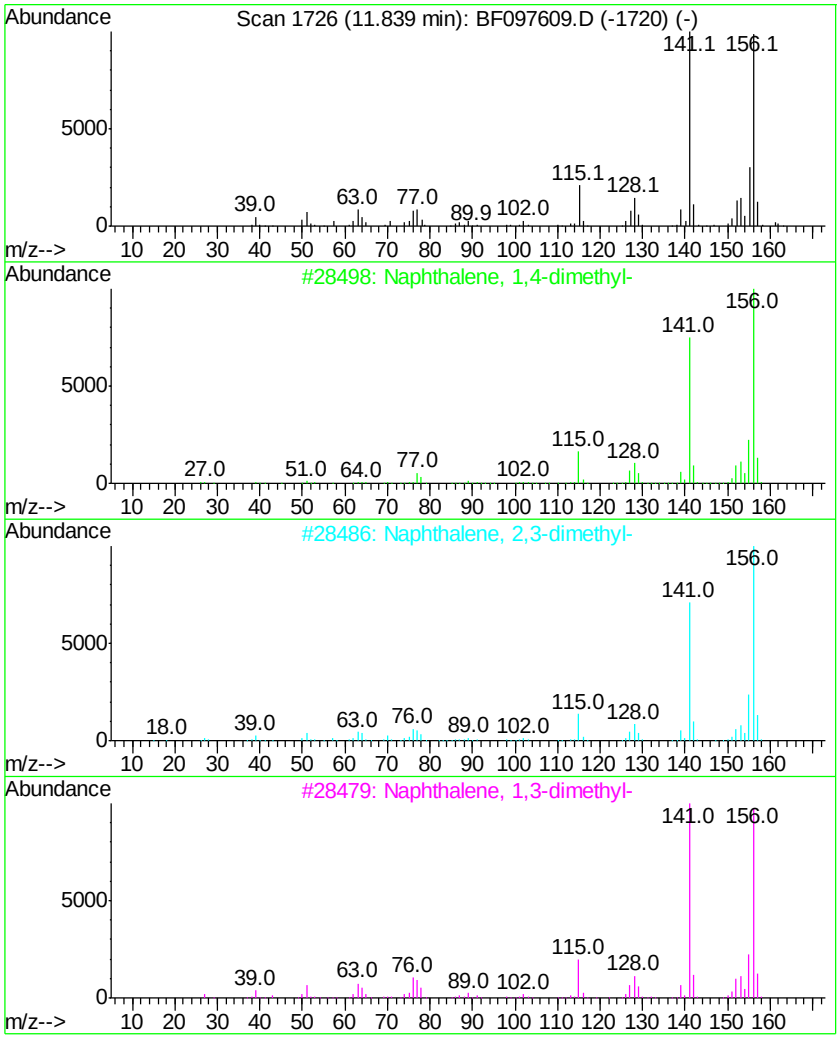
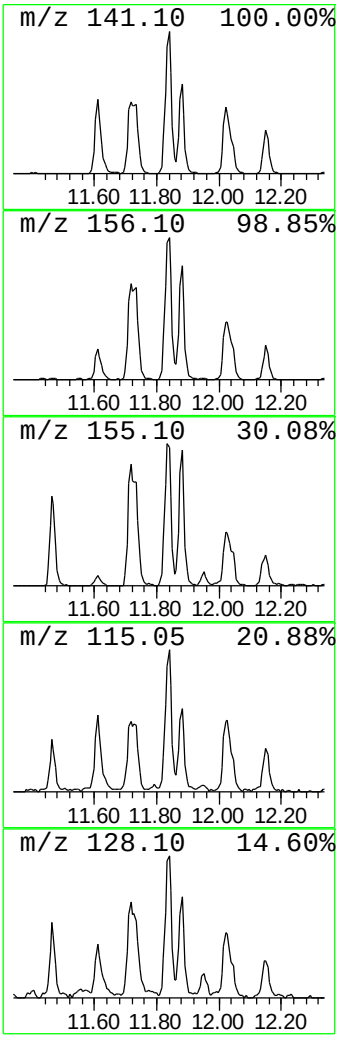
Peak Number 3 Naphthalene, 1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	23.64 ng	854929	Acenaphthene-d10	12.37

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





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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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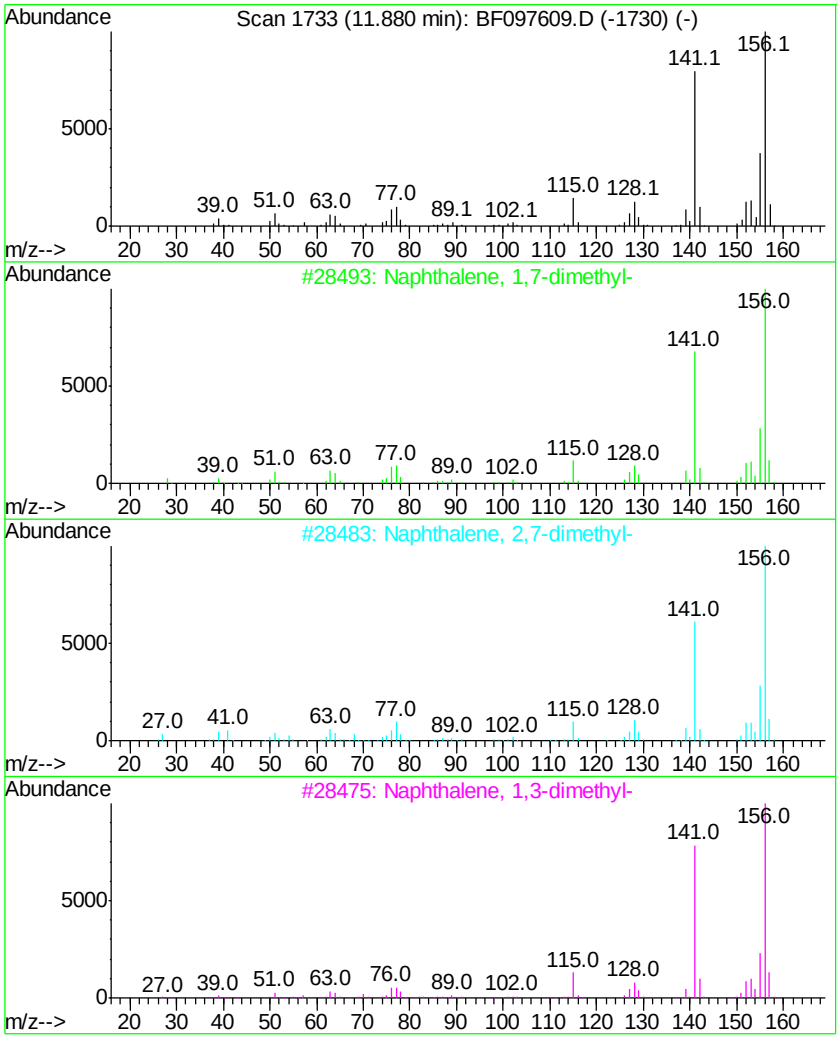
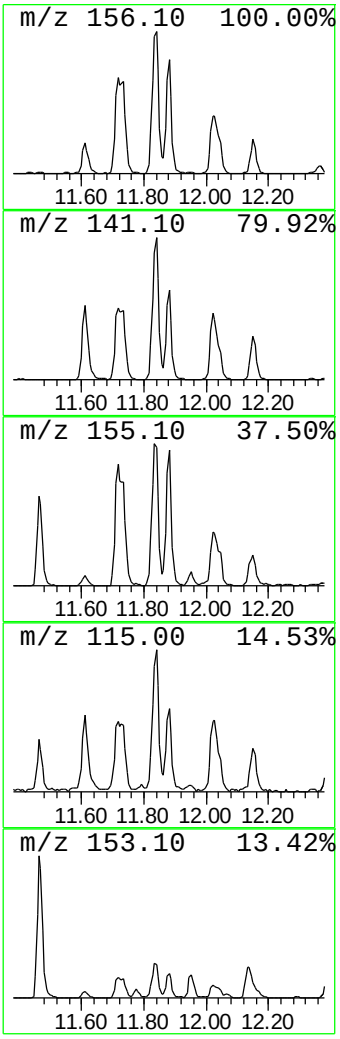
Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	14.04 ng	507920	Acenaphthene-d10	12.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	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, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





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Data File : BF097609.D
Acq On : 11 Aug 2017 22:57
Operator : SJ/JU
Sample : I4697-08 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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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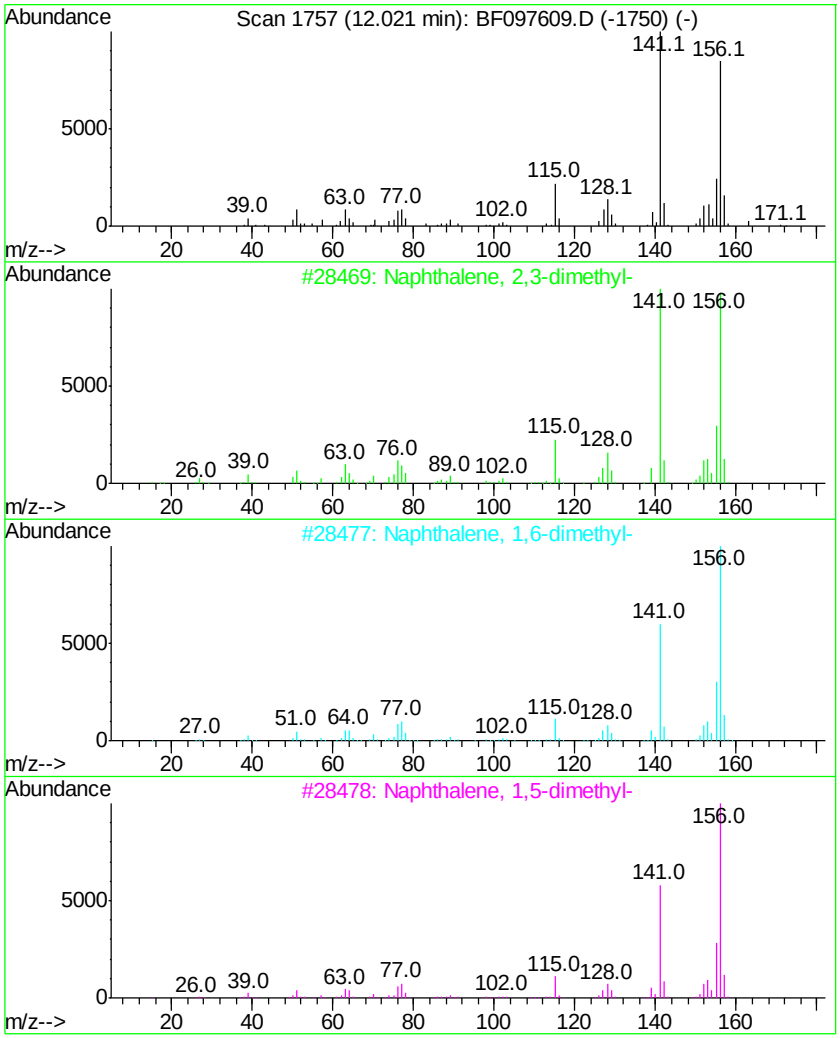
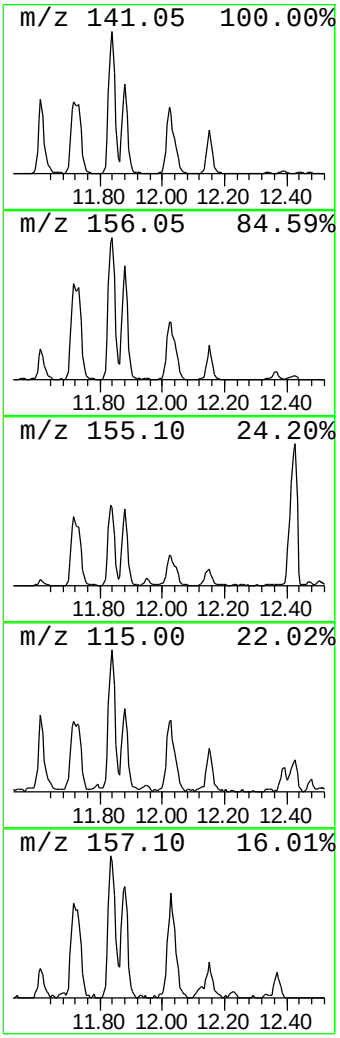
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	14.13 ng	511119	Acenaphthene-d10	12.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097609.D
Acq On : 11 Aug 2017 22:57
Operator : SJ/JU
Sample : I4697-08 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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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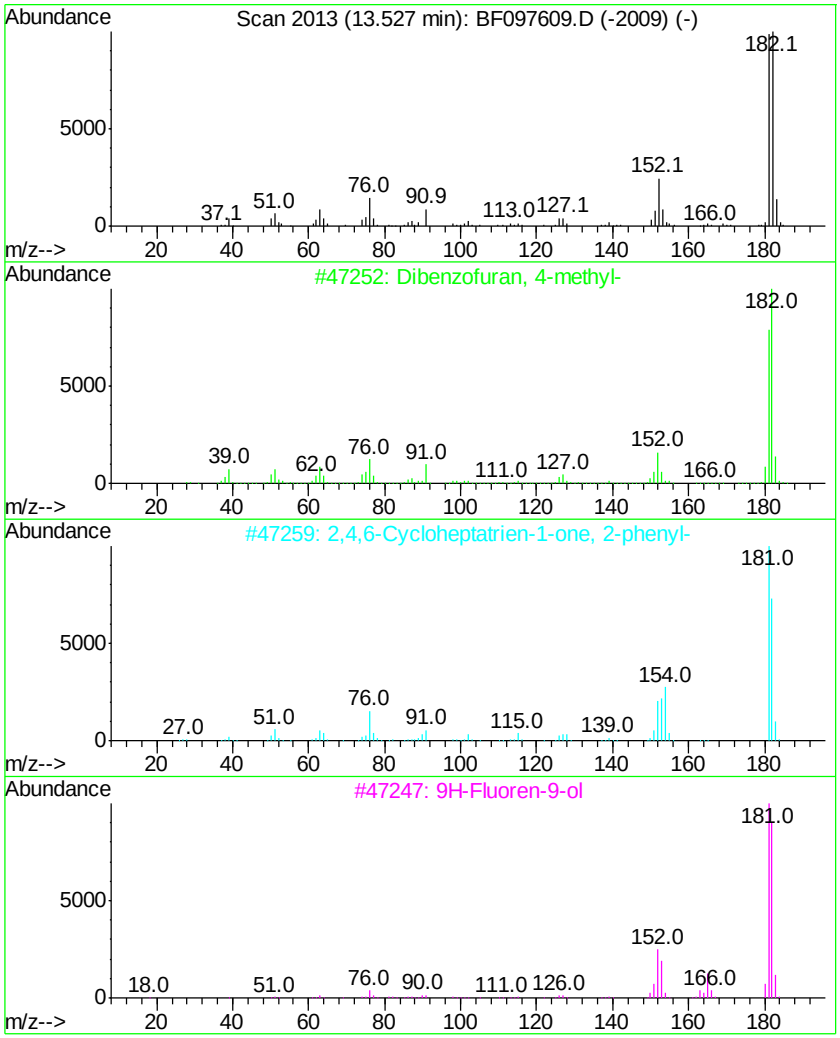
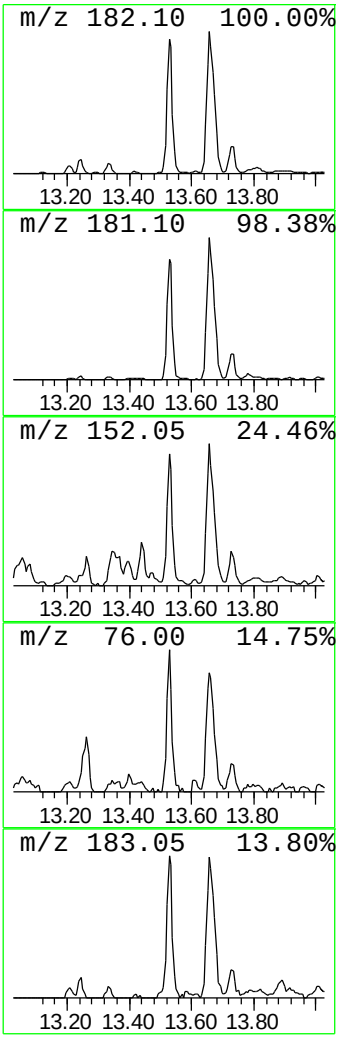
Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	17.95 ng	649182	Acenaphthene-d10	12.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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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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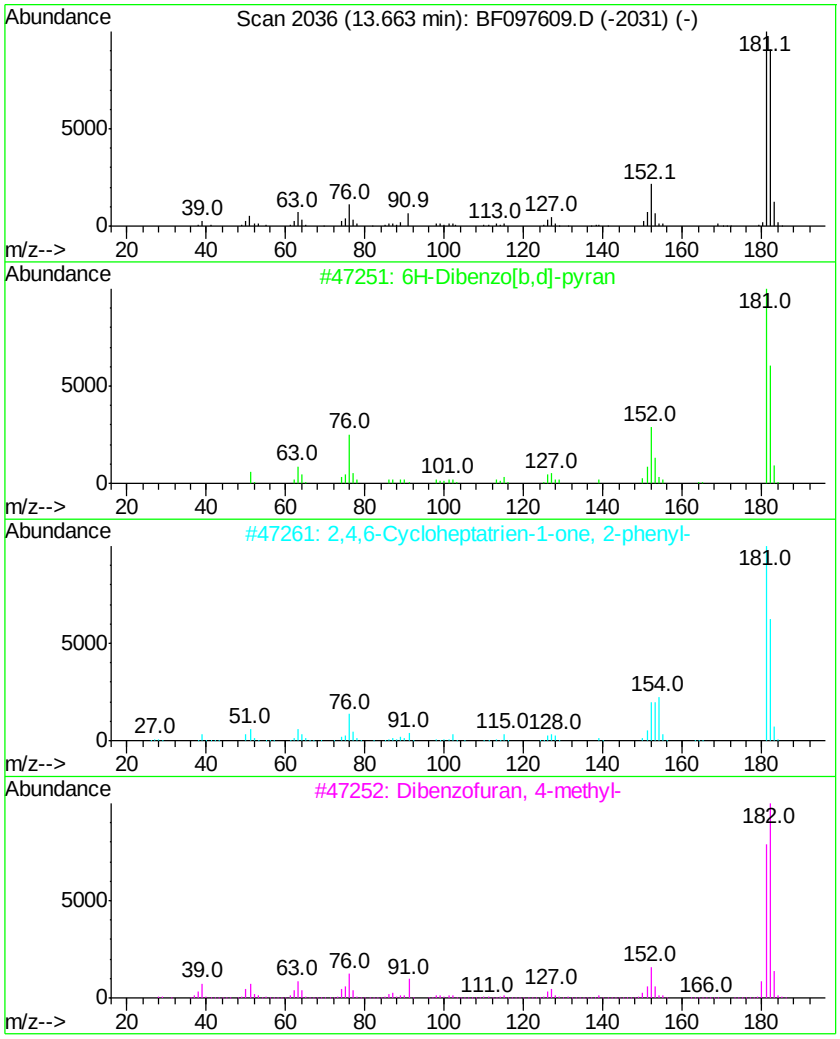
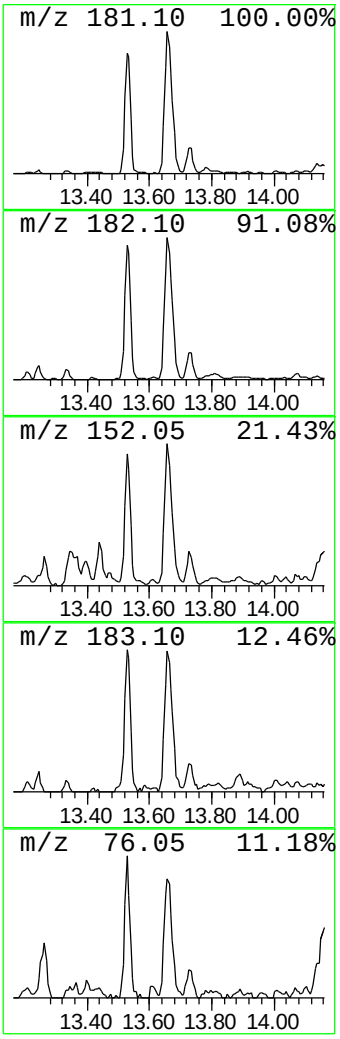
Peak Number 8 6H-Dibenzo[b,d]-pyran Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	34.25 ng	705877	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
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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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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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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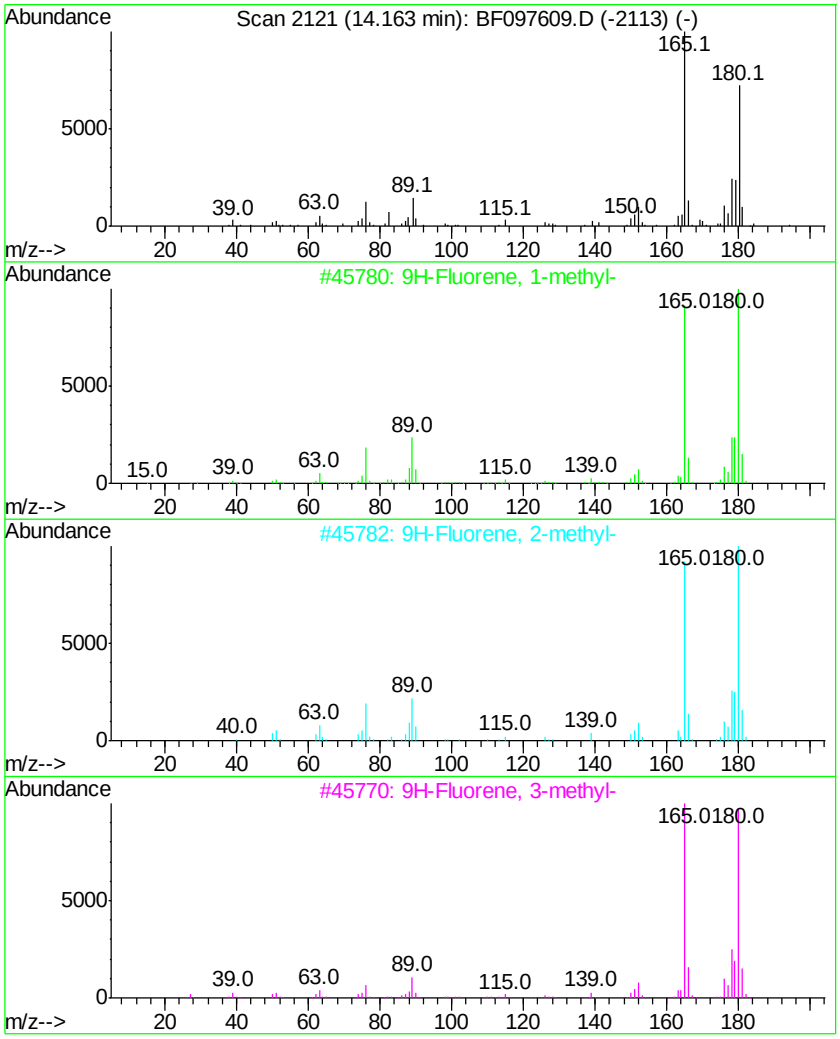
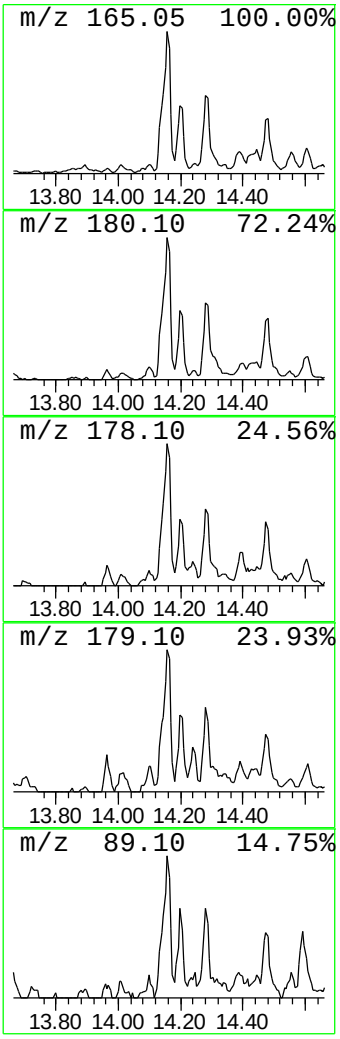
Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	21.14 ng	435561	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	80





Library Search Compound Report

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Sample : I4697-08 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
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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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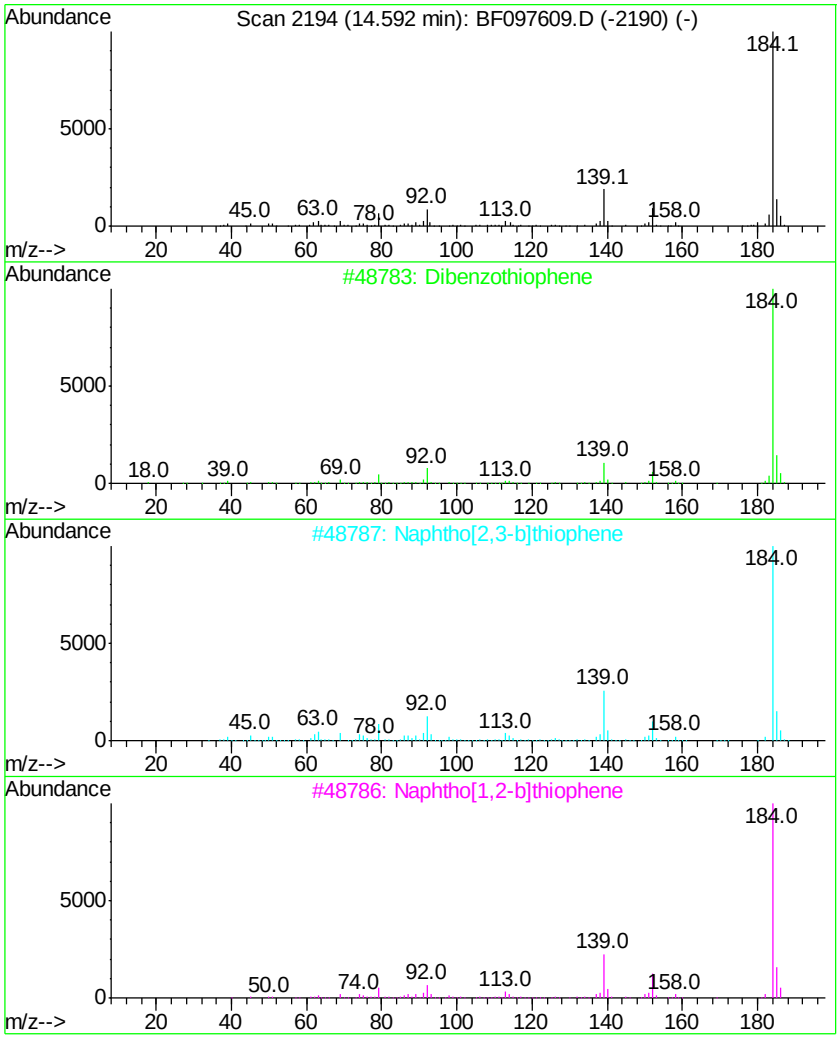
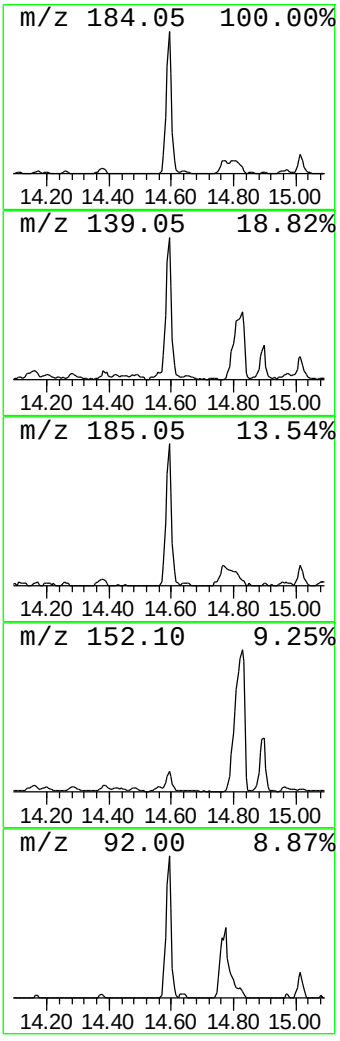
Peak Number 10 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	32.67 ng	673180	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	86





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Sample : I4697-08 50X
Misc :
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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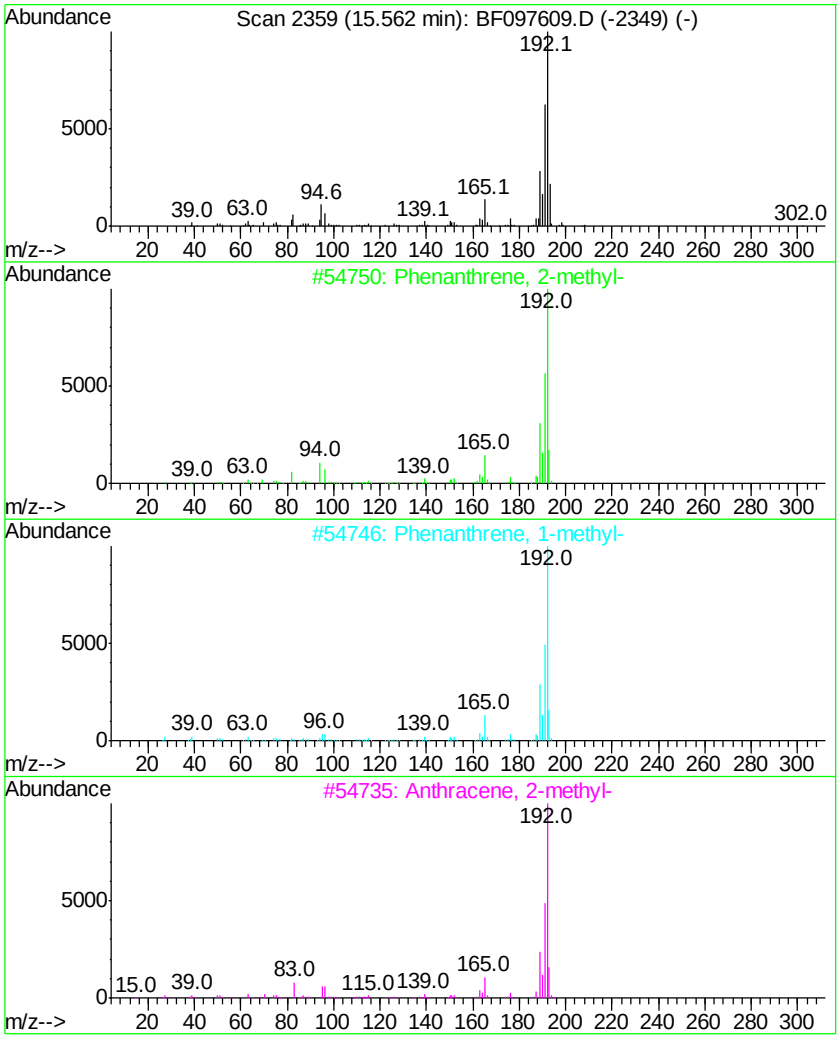
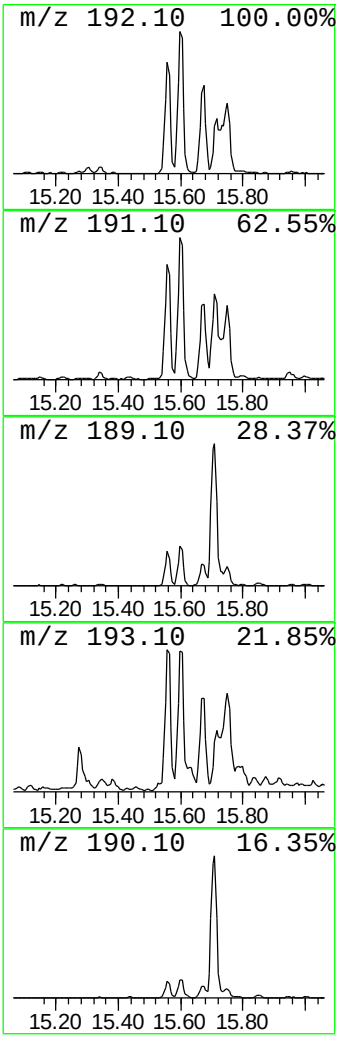
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	34.24 ng	705533	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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : I4697-08 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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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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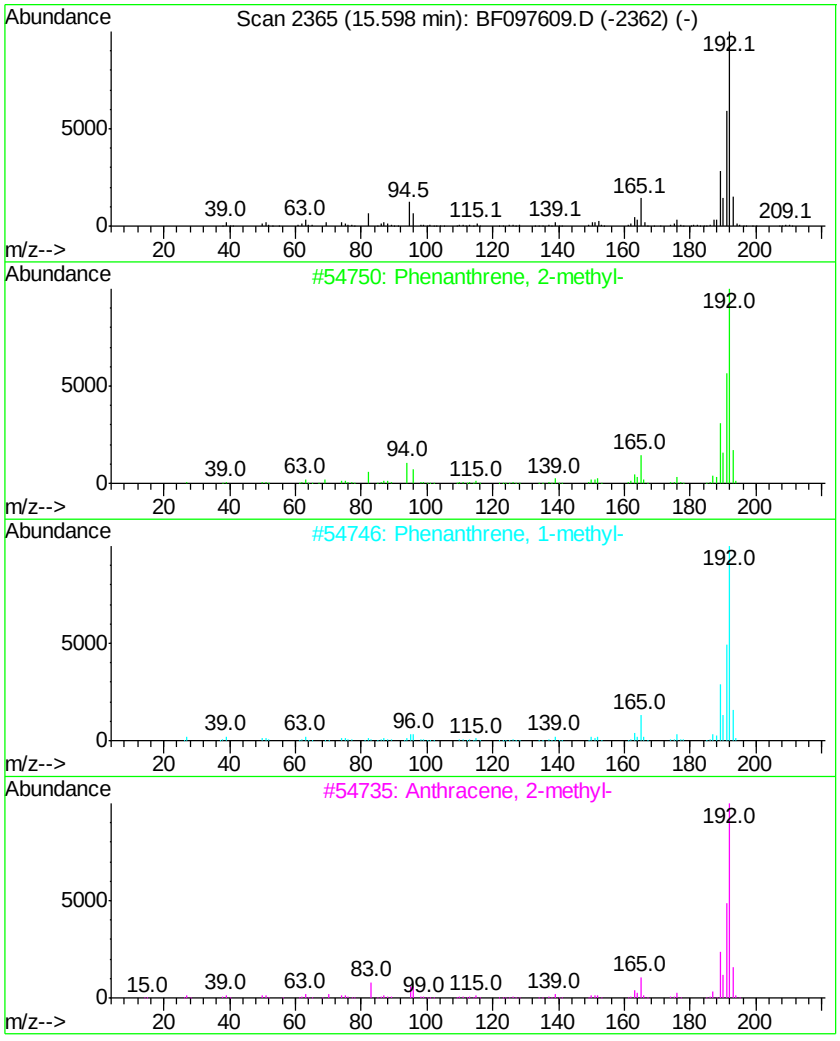
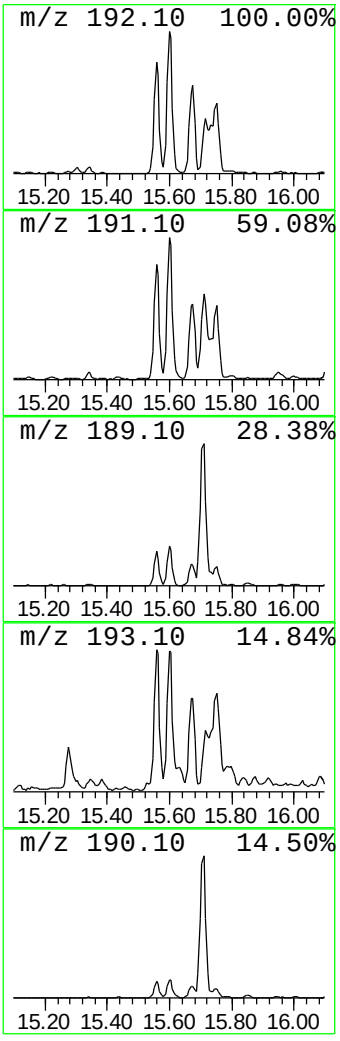
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	35.56 ng	732829	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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95





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Sample : I4697-08 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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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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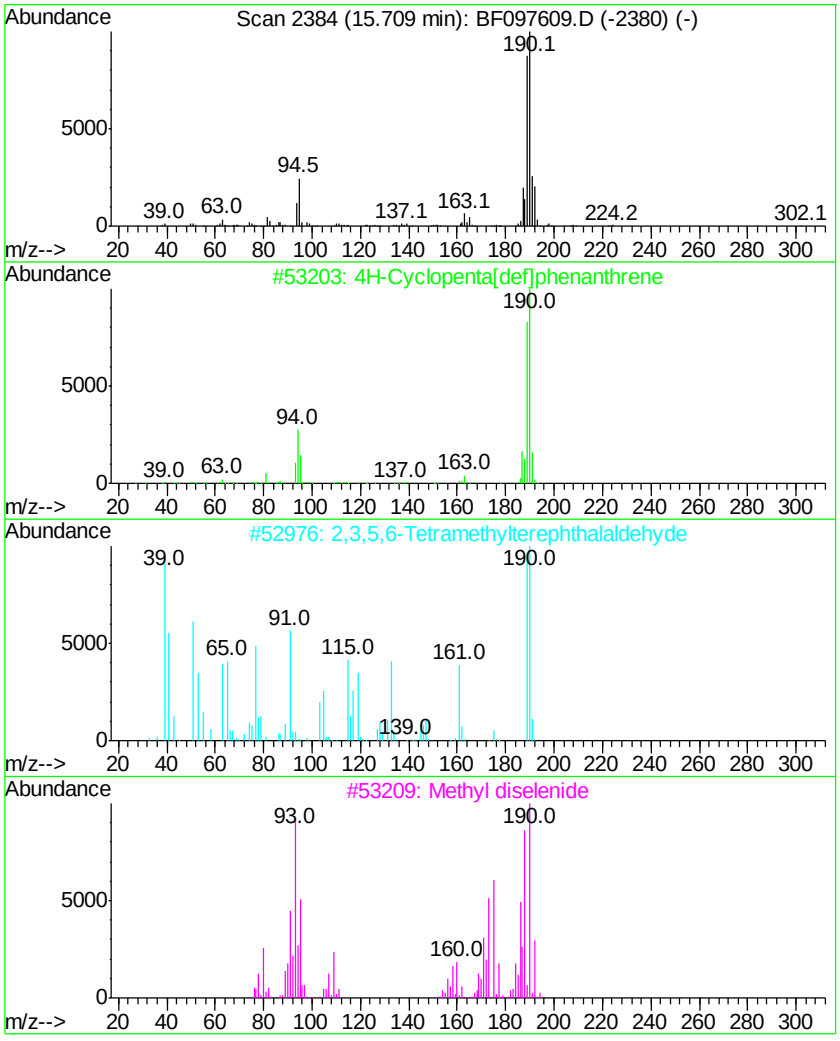
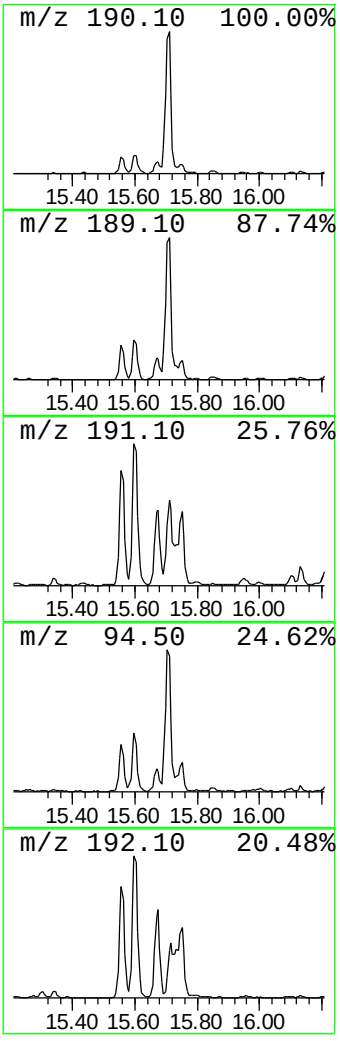
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	56.72 ng	1168870	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	33





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ClientSampleId : NYSEG-PH4-ESMI-4B

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

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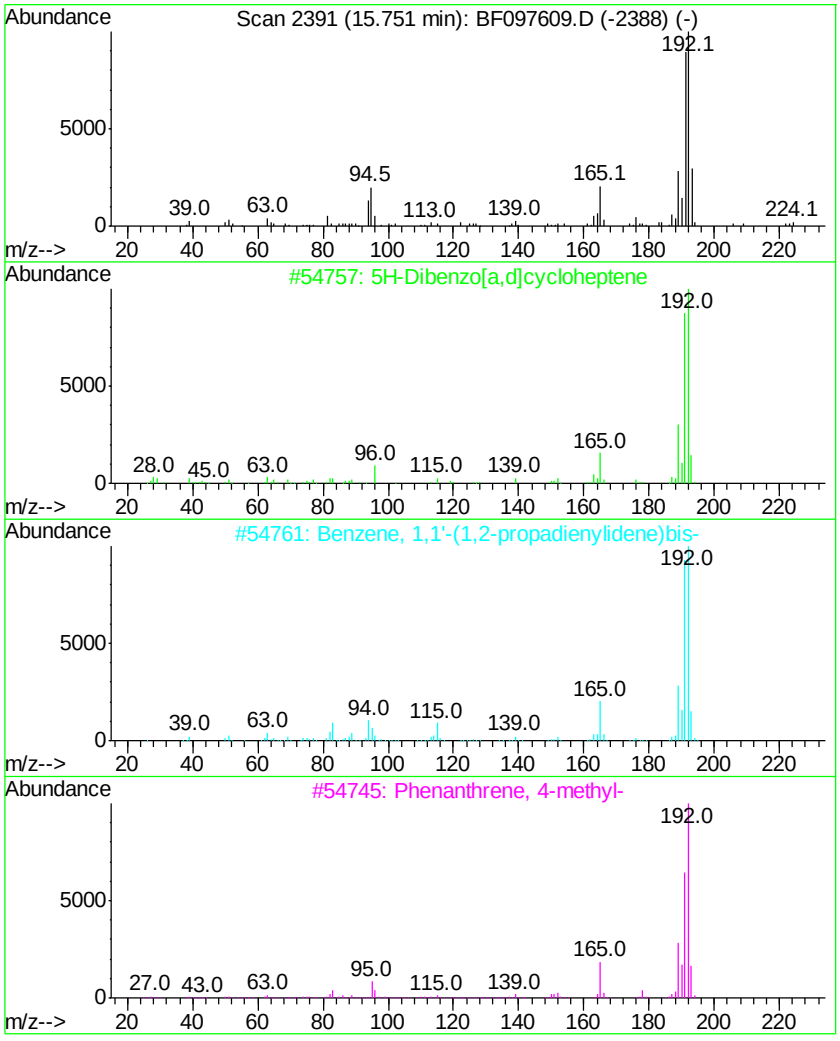
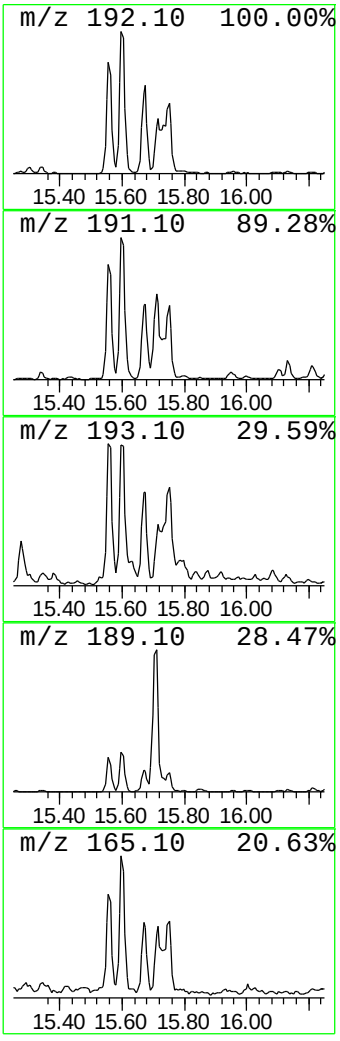
Peak Number 15 5H-Dibenzo[a,d]cycloheptene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	20.39 ng	420238	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	76
2	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	72
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	68
4	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	68
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	64





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TIC Integration Parameters: LSCINT.P

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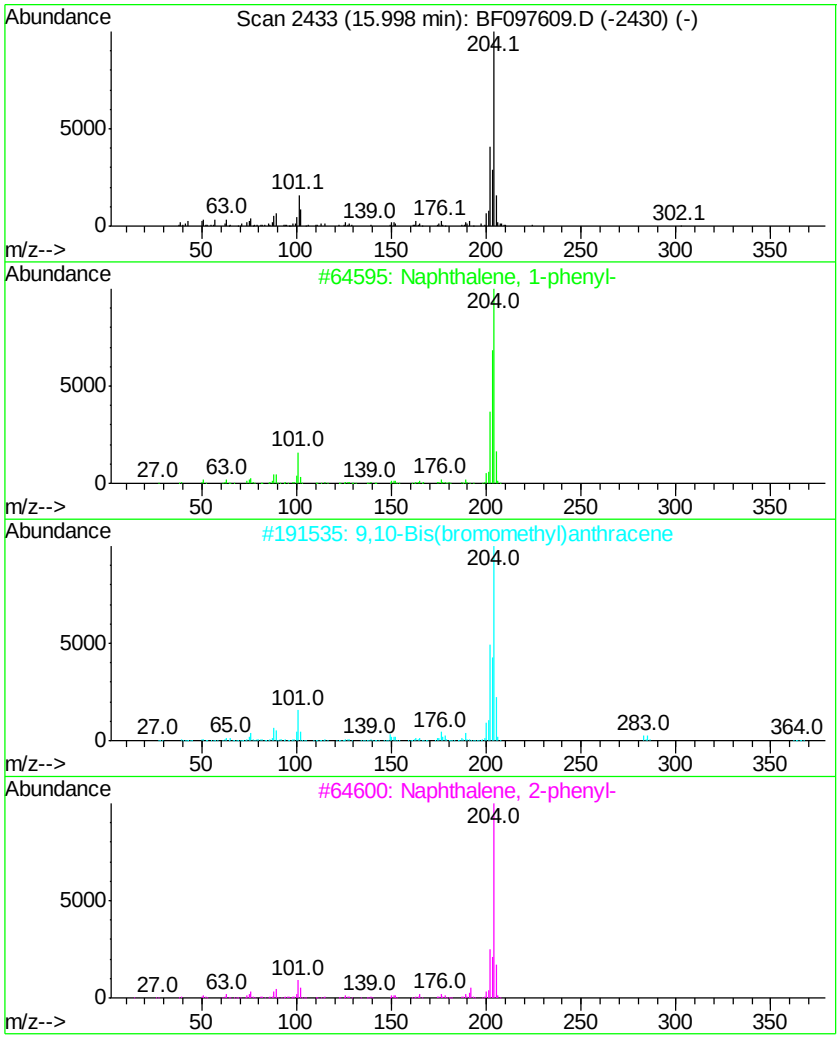
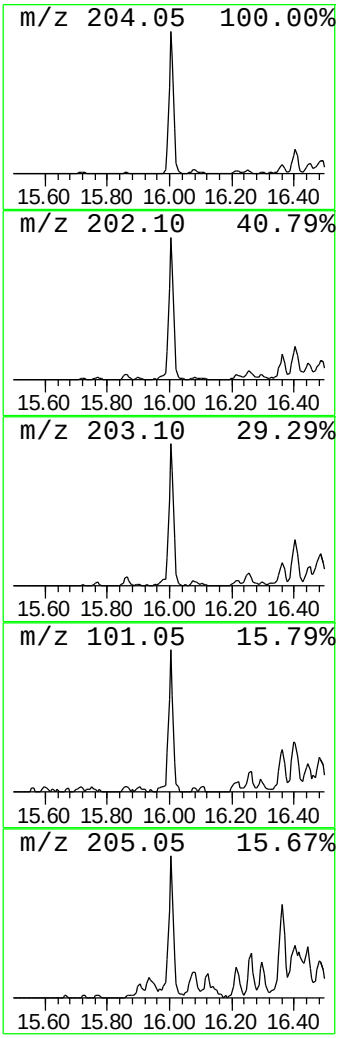
Peak Number 16 Naphthalene, 1-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	22.07 ng	454861	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49





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ClientSampleId : NYSEG-PH4-ESMI-4B

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TIC Integration Parameters: LSCINT.P

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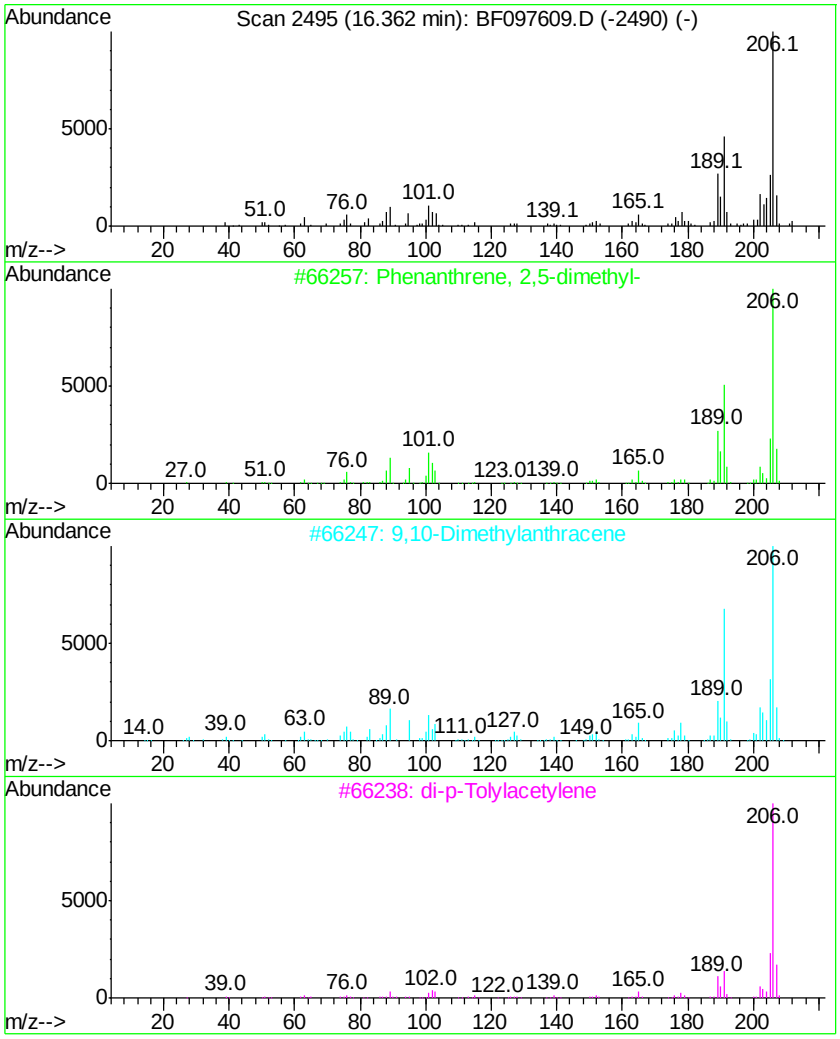
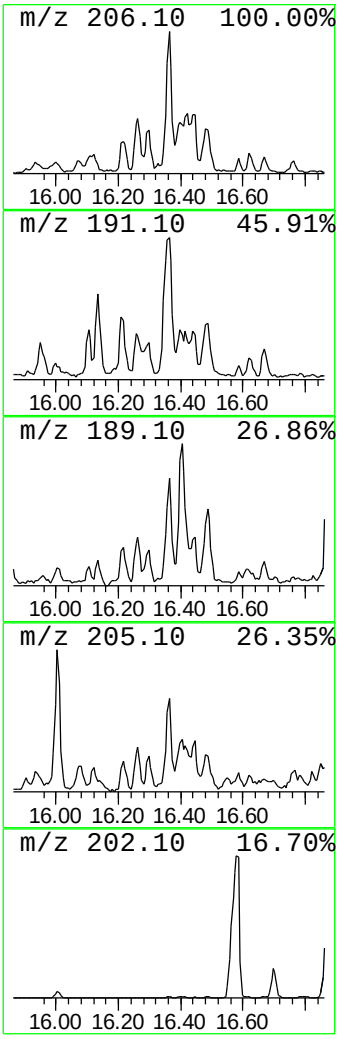
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	15.56 ng	320557	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	92





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

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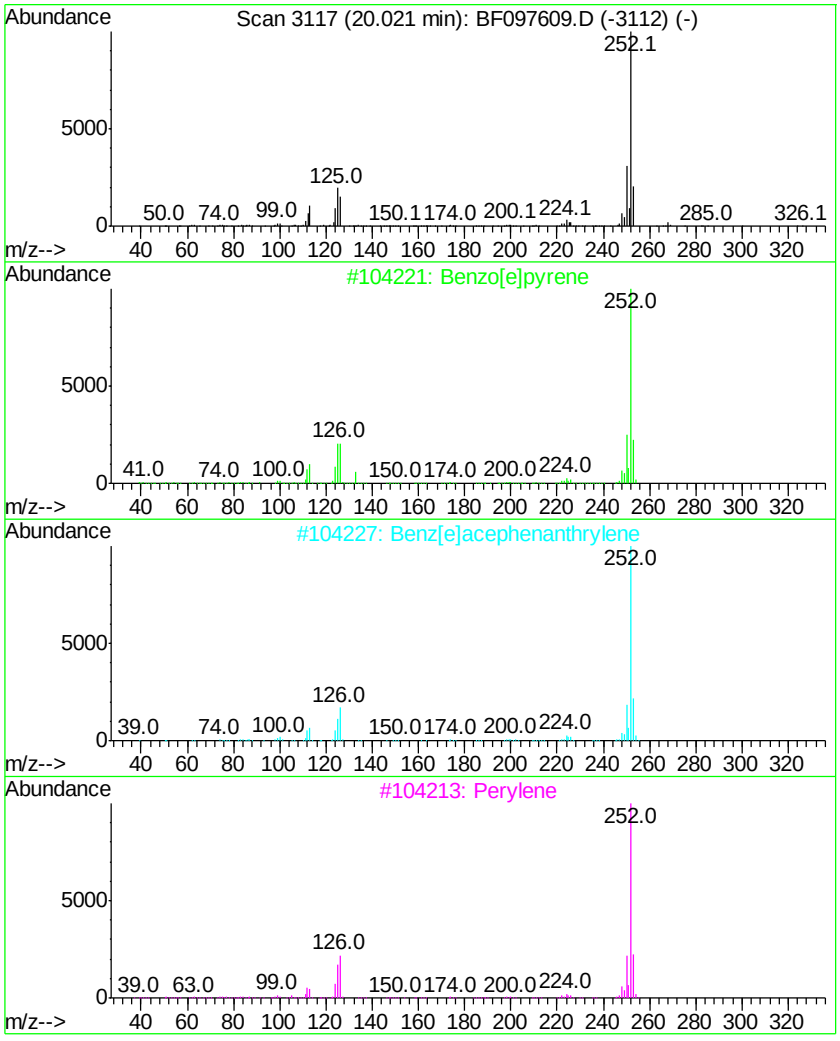
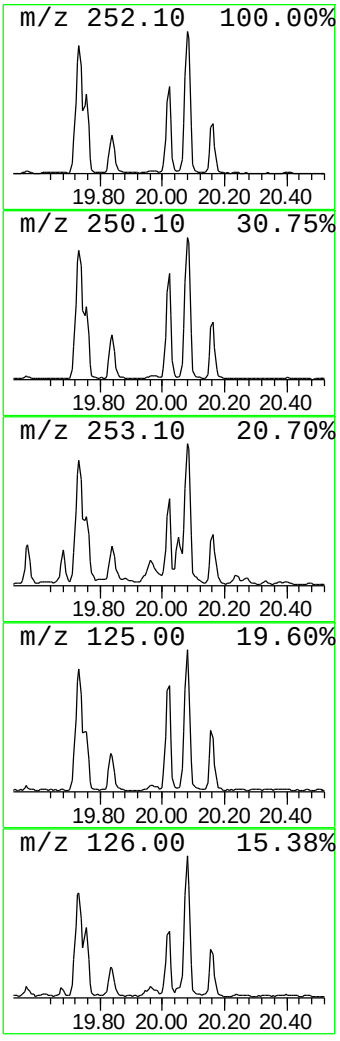
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	40.20 ng	796619	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	96
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

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Data File : BF097609.D
Acq On : 11 Aug 2017 22:57
Operator : SJ/JU
Sample : I4697-08 50X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-4B

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	48.0	ng	1411730	2	9.54	588638	20.0
Naphthalene, 1,6-...	11.72	15.3	ng	553855	3	12.37	723313	20.0
Naphthalene, 1,4-...	11.84	23.6	ng	854929	3	12.37	723313	20.0
Naphthalene, 1,7-...	11.88	14.0	ng	507920	3	12.37	723313	20.0
Naphthalene, 2,3-...	12.02	14.1	ng	511119	3	12.37	723313	20.0
Dibenzofuran, 4-m...	13.53	17.9	ng	649182	3	12.37	723313	20.0
6H-Dibenzo[b,d]-p...	13.66	34.3	ng	705877	4	14.77	412132	20.0
9H-Fluorene, 1-me...	14.16	21.1	ng	435561	4	14.77	412132	20.0
Dibenzothiophene	14.59	32.7	ng	673180	4	14.77	412132	20.0
Phenanthrene, 2-m...	15.56	34.2	ng	705533	4	14.77	412132	20.0
Phenanthrene, 1-m...	15.60	35.6	ng	732829	4	14.77	412132	20.0
4H-Cyclopenta[def...	15.71	56.7	ng	1168870	4	14.77	412132	20.0
5H-Dibenzo[a,d]cy...	15.75	20.4	ng	420238	4	14.77	412132	20.0
Naphthalene, 1-ph...	16.00	22.1	ng	454861	4	14.77	412132	20.0
Phenanthrene, 2,5...	16.36	15.6	ng	320557	4	14.77	412132	20.0
Benzo[e]pyrene	20.02	40.2	ng	796619	6	20.13	396358	20.0