LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097606.D
Acq On : 11 Aug 2017 21:19
Operator : SJ/JU
Sample : I4697-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-6B

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	4.757	518	522	541	rBV2	65804	180126	2.35%	0.188%
2	5.428	632	636	653	rBV	1025029	1936614	25.26%	2.020%
3	7.069	911	915	928	rVV	1282632	2076515	27.08%	2.166%
4	7.169	928	932	942	rVB	1556060	2413761	31.48%	2.518%
5	7.510	987	990	1002	rBV	422063	611658	7.98%	0.638%
6	7.745	1026	1030	1034	rBV	1056426	1385544	18.07%	1.445%
7	7.780	1034	1036	1050	rVB	201098	330514	4.31%	0.345%
8	8.422	1141	1145	1161	rVV	882786	1341673	17.50%	1.399%
9	9.539	1327	1335	1337	rBV	652601	788607	10.29%	0.823%
10	9.574	1337	1341	1348	rVB	2178206	3061699	39.94%	3.193%
11	10.704	1528	1533	1541	rVB	481356	621778	8.11%	0.649%
12	10.851	1551	1558	1567	rVB	661418	867156	11.31%	0.904%
13	11.316	1632	1637	1644	rVB	1275040	1582012	20.63%	1.650%
14	11.468	1659	1663	1669	rVB	181763	227144	2.96%	0.237%
15	11.610	1683	1687	1697	rVB	252860	377876	4.93%	0.394%
16	11.721	1701	1706	1714	rBV	351314	750678	9.79%	0.783%
17	11.839	1721	1726	1730	rBV	592449	816677	10.65%	0.852%
18	11.886	1730	1734	1743	rVB	267858	357762	4.67%	0.373%
19	12.015	1751	1756	1768	rVV2	402740	934854	12.19%	0.975%
20	12.139	1773	1777	1785	rVV2	425829	719479	9.38%	0.750%
21	12.368	1811	1816	1819	rBV2	625466	839793	10.95%	0.876%
22	12.427	1820	1826	1832	rVV	2270037	3371867	43.98%	3.517%
23	12.574	1846	1851	1857	rVB	98626	204181	2.66%	0.213%
24	12.710	1869	1874	1877	rBV	706754	954883	12.46%	0.996%
25	12.733	1877	1878	1883	rVB	185183	184130	2.40%	0.192%
26	12.798	1883	1889	1894	rBV	221494	284742	3.71%	0.297%
27	12.915	1900	1909	1913	rBV	210561	365597	4.77%	0.381%
28	12.962	1913	1917	1924	rVB	182588	235410	3.07%	0.246%
29	13.057	1924	1933	1936	rBV2	159229	315260	4.11%	0.329%
30	13.215	1952	1960	1963	rBV4	206084	388656	5.07%	0.405%
31	13.262	1963	1968	1978	rVB	1765497	2551015	33.27%	2.661%
32	13.351	1978	1983	1984	rBV3	168346	236931	3.09%	0.247%
33	13.398	1988	1991	1995	rVV	361365	416837	5.44%	0.435%
34	13.474	2001	2004	2009	rVB2	289477	369666	4.82%	0.386%

LSC Area Percent Report

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Acq On : 11 Aug 2017 21:19
Operator : SJ/JU
Sample : I4697-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-6B

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	13.533	2009	2014	2020	rBV	446304	639161	8.34%	0.667%
36	13.662	2032	2036	2045	rVV	1090204	1748858	22.81%	1.824%
37	14.009	2089	2095	2099	rBV3	121803	217327	2.83%	0.227%
38	14.162	2114	2121	2124	rBV	354759	628262	8.19%	0.655%
39	14.204	2124	2128	2132	rVB2	172607	259585	3.39%	0.271%
40	14.286	2138	2142	2149	rVB	197235	318953	4.16%	0.333%
41	14.392	2155	2160	2163	rBV3	242496	373486	4.87%	0.390%
42	14.486	2173	2176	2183	rVB3	147098	249066	3.25%	0.260%
43	14.568	2183	2190	2191	rBV3	231520	377079	4.92%	0.393%
44	14.592	2191	2194	2201	rVB	519949	762397	9.94%	0.795%
45	14.774	2221	2225	2226	rBV	339723	453916	5.92%	0.473%
46	14.839	2226	2236	2239	rVV	3193666	7666661	100.00%	7.997%
47	14.904	2241	2247	2251	rVV	2025483	2822493	36.82%	2.944%
48	14.992	2255	2262	2265	rBV2	123464	272090	3.55%	0.284%
49	15.186	2292	2295	2299	rBV	236986	281617	3.67%	0.294%
50	15.562	2355	2359	2363	rBV	681286	823473	10.74%	0.859%
51	15.609	2363	2367	2371	rVV	870457	1079389	14.08%	1.126%
52	15.680	2375	2379	2382	rBV	505685	632144	8.25%	0.659%
53	15.715	2382	2385	2388	rVV2	995570	1286314	16.78%	1.342%
54	15.756	2390	2392	2396	rVB	505992	541591	7.06%	0.565%
55	16.009	2431	2435	2440	rVB	559281	639691	8.34%	0.667%
56	16.368	2492	2496	2500	rBV	396579	555665	7.25%	0.580%
57	16.409	2500	2503	2508	rVV3	200814	317222	4.14%	0.331%
58	16.492	2513	2517	2525	rVB3	254669	428981	5.60%	0.447%
59	16.598	2526	2535	2537	rBV	2823998	5300652	69.14%	5.529%
60	16.674	2545	2548	2551	rBV3	170775	280212	3.65%	0.292%
61	16.709	2551	2554	2557	rVB	571564	599173	7.82%	0.625%
62	16.768	2561	2564	2567	rBV	155769	194967	2.54%	0.203%
63	16.892	2578	2585	2589	rVV2	2630899	5142501	67.08%	5.364%
64	16.921	2589	2590	2593	rVV	275990	236910	3.09%	0.247%
65	16.962	2593	2597	2600	rVB2	195614	272815	3.56%	0.285%
66	17.062	2611	2614	2618	rBV	364954	390684	5.10%	0.407%
67	17.121	2619	2624	2630	rVV2	863782	1118610	14.59%	1.167%
68	17.203	2634	2638	2642	rVV	207179	309410	4.04%	0.323%
69	17.315	2651	2657	2659	rBV3	335187	646319	8.43%	0.674%
70	17.345	2659	2662	2667	rVB	883191	1015665	13.25%	1.059%
71	17.397	2667	2671	2673	rBV4	129991	210334	2.74%	0.219%

LSC Area Percent Report

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Sample : I4697-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-6B

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081117.M
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72	17.433	2673	2677	2681	rVB	860718	1013288	13.22%	1.057%
73	17.480	2681	2685	2691	rBV2	511744	751130	9.80%	0.783%
74	17.592	2701	2704	2708	rVB	297210	337292	4.40%	0.352%
75	18.144	2795	2798	2801	rBV	300354	371459	4.85%	0.387%
76	18.174	2801	2803	2806	rVV	424639	436264	5.69%	0.455%
77	18.209	2806	2809	2812	rVV	398810	463362	6.04%	0.483%
78	18.244	2812	2815	2819	rVB2	298332	351736	4.59%	0.367%
79	18.468	2847	2853	2857	rBV2	1715869	3317544	43.27%	3.460%
80	18.515	2857	2861	2868	rVV2	1672932	2482617	32.38%	2.589%
81	18.603	2872	2876	2880	rVB	616278	652747	8.51%	0.681%
82	18.680	2886	2889	2891	rBV	163742	194954	2.54%	0.203%
83	18.744	2897	2900	2904	rBV	319118	343833	4.48%	0.359%
84	18.791	2905	2908	2915	rVB2	219159	295623	3.86%	0.308%
85	18.974	2936	2939	2943	rVV	388635	454665	5.93%	0.474%
86	19.015	2944	2946	2950	rVB2	234619	229424	2.99%	0.239%
87	19.091	2956	2959	2962	rVB3	301660	315258	4.11%	0.329%
88	19.127	2962	2965	2966	rBV3	164180	187574	2.45%	0.196%
89	19.580	3039	3042	3046	rBV2	172084	233096	3.04%	0.243%
90	19.750	3065	3071	3074	rBV	1475478	2897144	37.79%	3.022%
91	19.850	3085	3088	3093	rVB	544830	569580	7.43%	0.594%
92	20.038	3115	3120	3123	rBV	1002409	1306508	17.04%	1.363%
93	20.103	3126	3131	3136	rVV	1522103	2130516	27.79%	2.222%
94	20.150	3136	3139	3141	rVV	300193	338917	4.42%	0.354%
95	20.174	3141	3143	3147	rVB	508168	561108	7.32%	0.585%
96	21.380	3342	3348	3354	rVB	894782	1670601	21.79%	1.743%
97	21.509	3366	3370	3374	rBV	193676	292556	3.82%	0.305%
98	21.738	3402	3409	3416	rBV	664170	1333861	17.40%	1.391%
99	21.927	3437	3441	3449	rVB	338848	603698	7.87%	0.630%
100	23.515	3705	3711	3728	rVB2	171988	542459	7.08%	0.566%

Sum of corrected areas: 95873582

LSC Report - Integrated Chromatogram

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Data File : BF097606.D
Acq On : 11 Aug 2017 21:19
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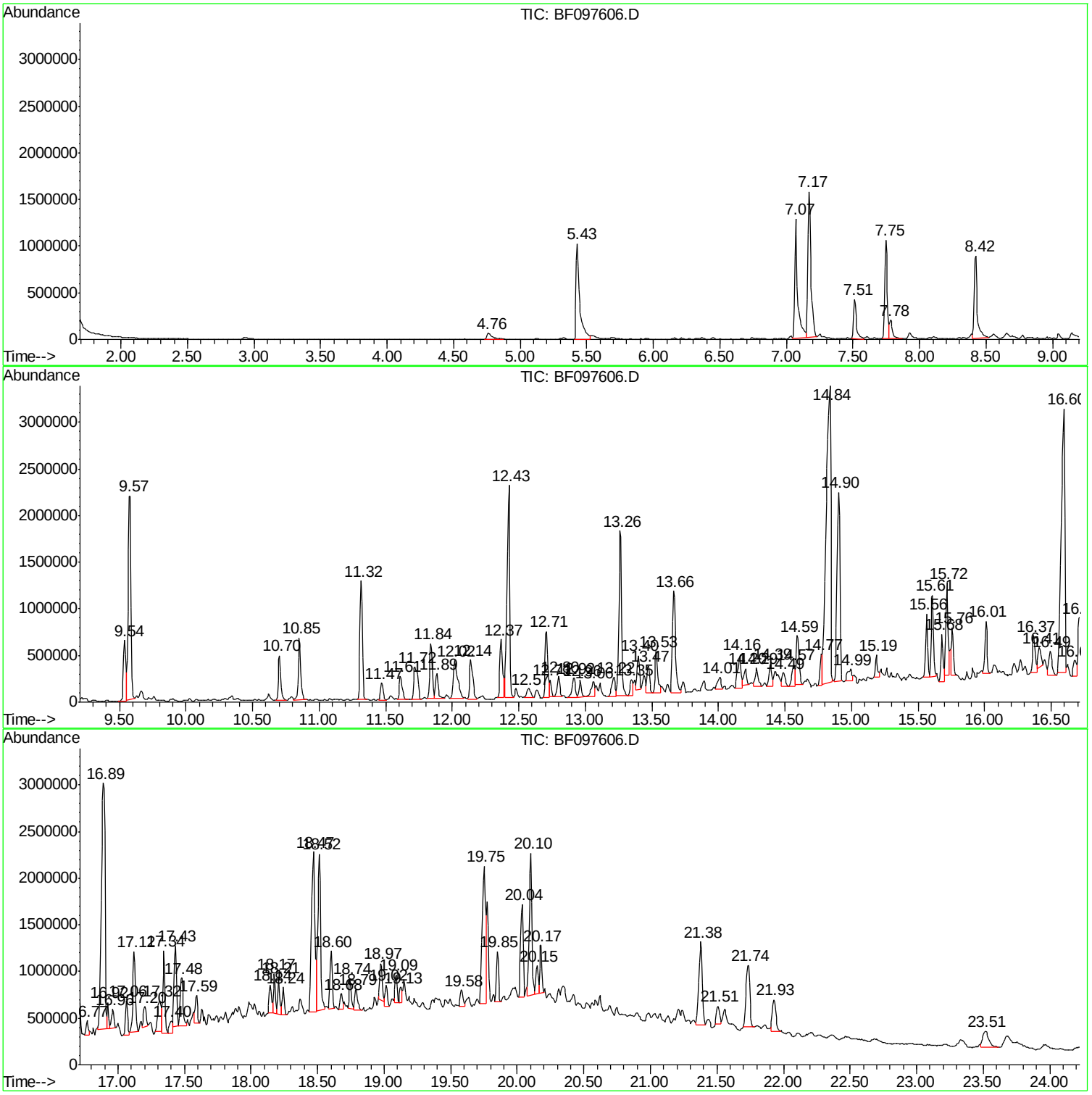
Sample : I4697-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NYSEG-PH4-ESMI-6B

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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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-6B

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

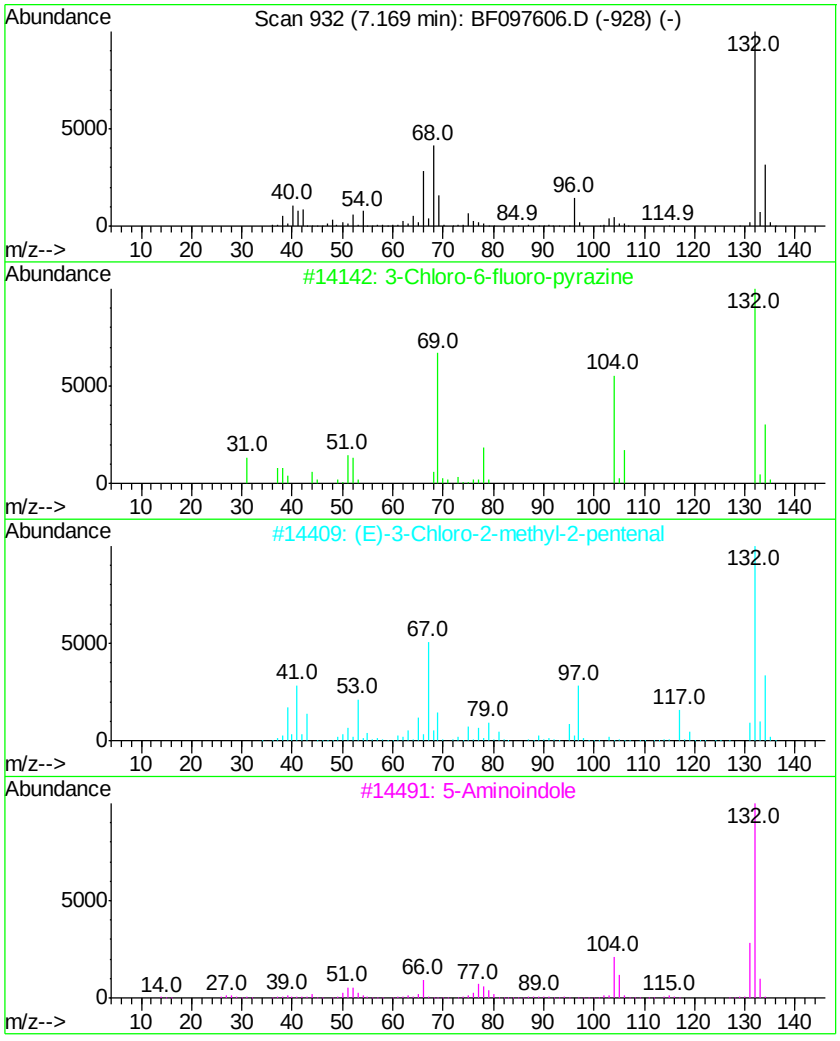
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

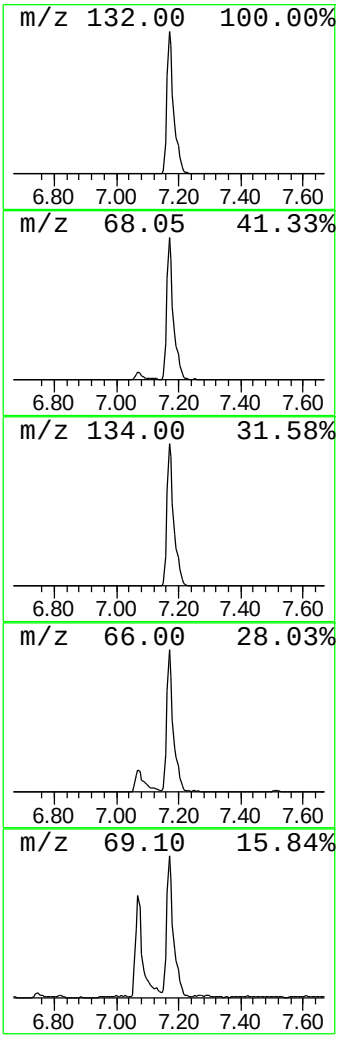
****

Peak Number 1 unknown7.17 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	78.93 ng	2413760	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Amphetaminil	250	C17H18N2	017590-01-1	10





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ClientSampleId : NYSEG-PH4-ESMI-6B

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

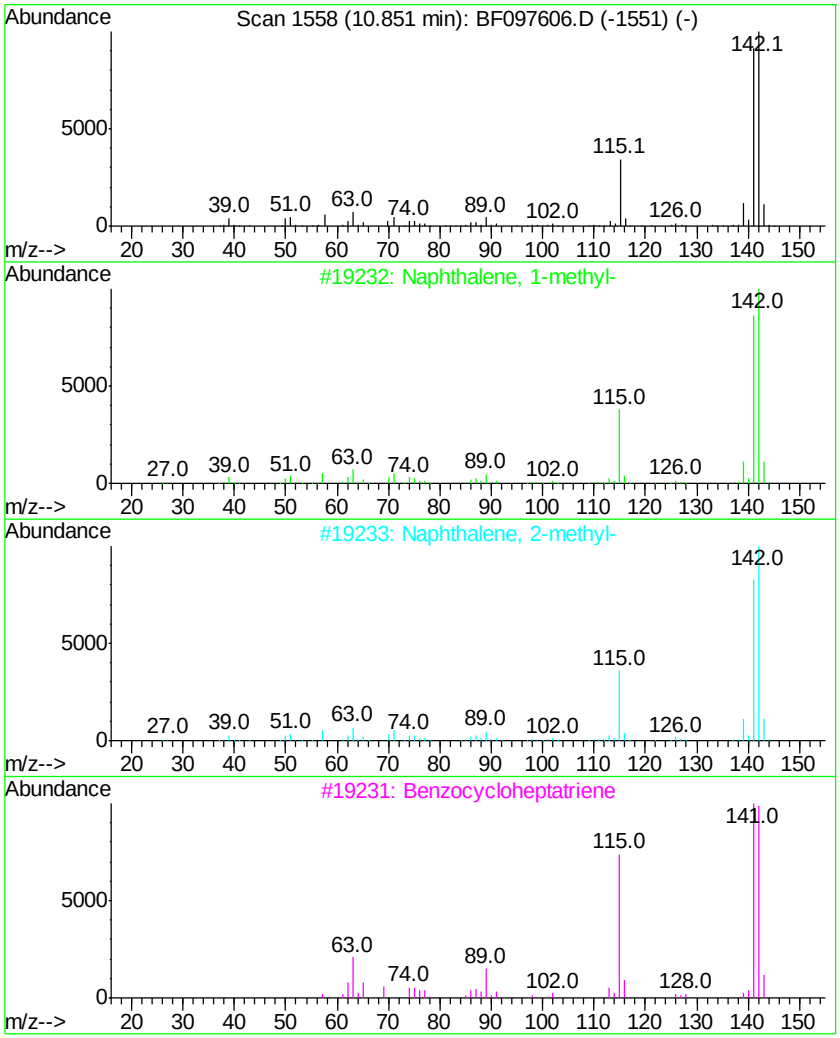
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

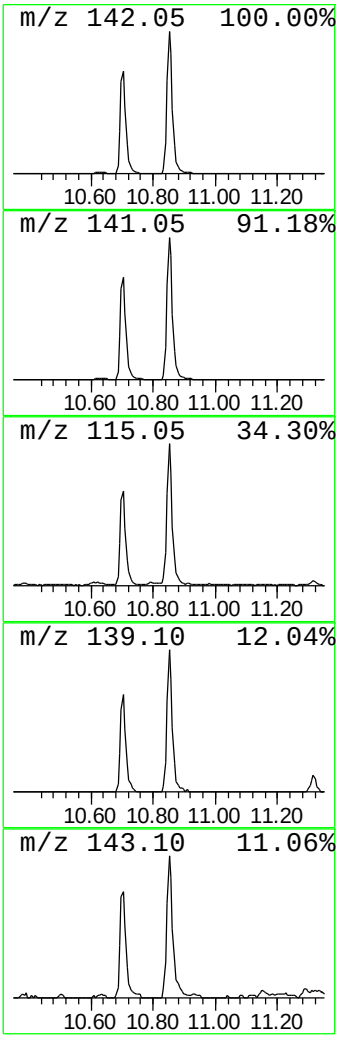
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	21.99 ng	867156	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	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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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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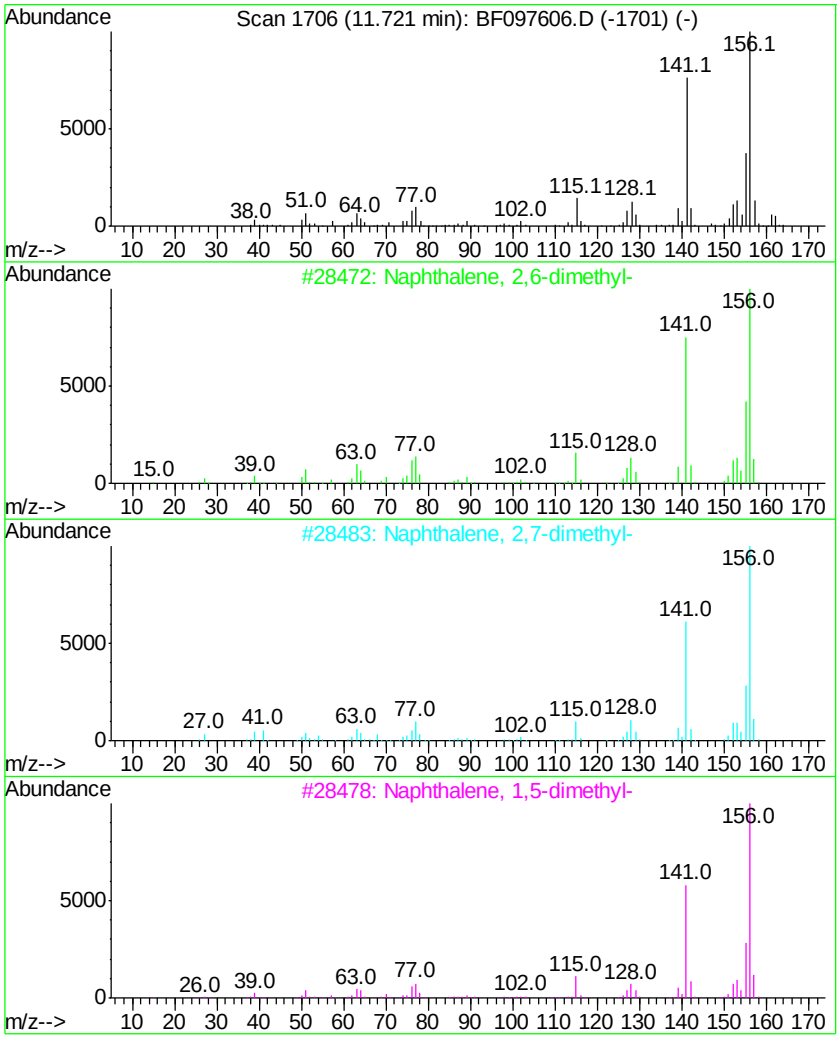
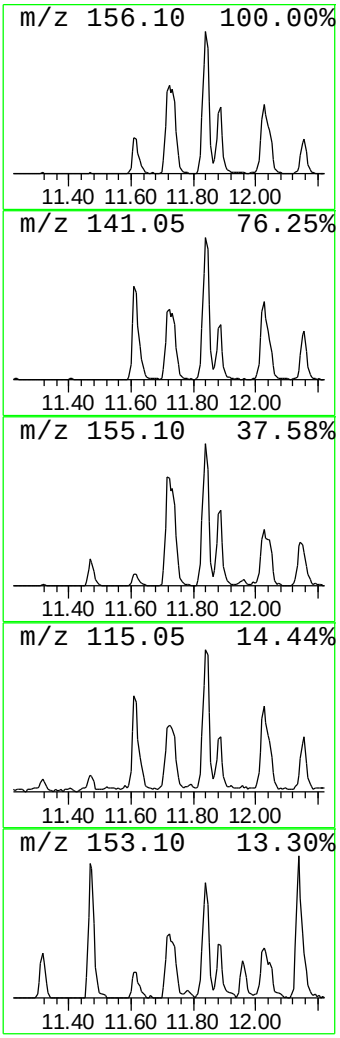
Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	17.88 ng	750678	Acenaphthene-d10	12.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Sample : I4697-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-6B

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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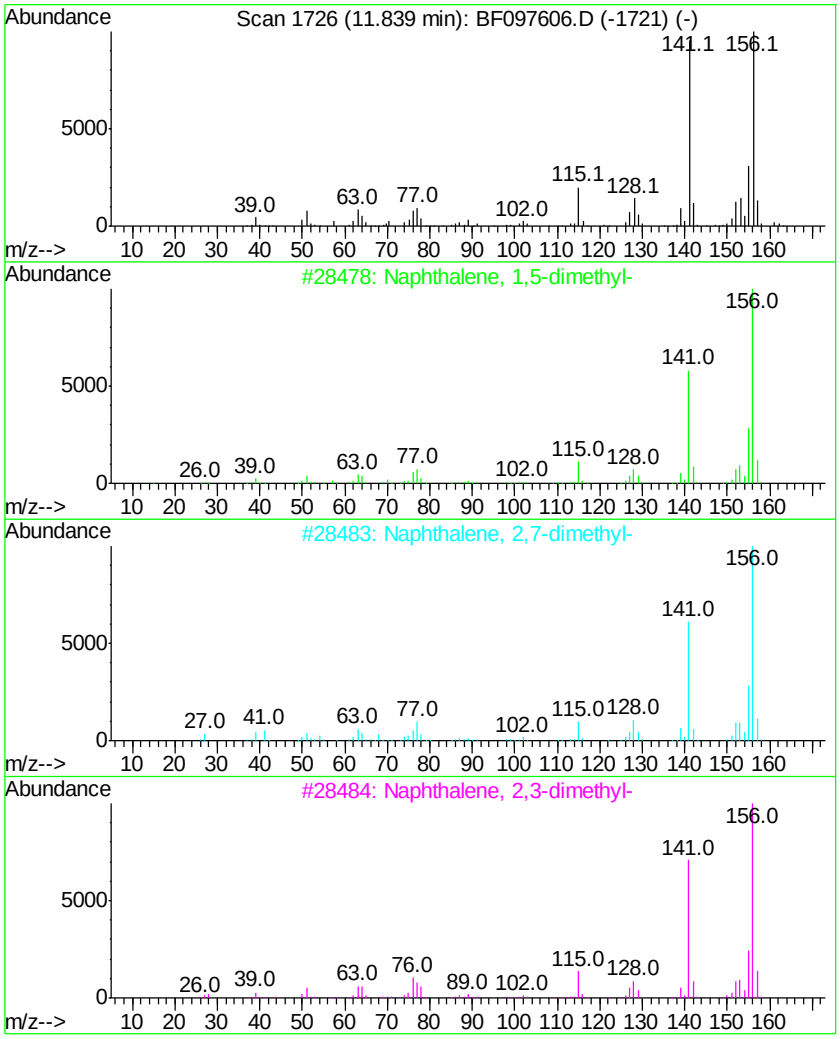
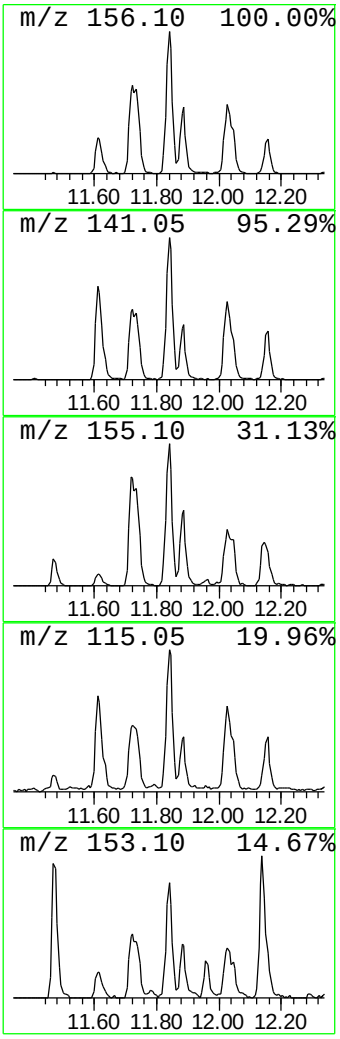
Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	19.45 ng	816677	Acenaphthene-d10	12.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





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Operator : SJ/JU
Sample : I4697-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-6B

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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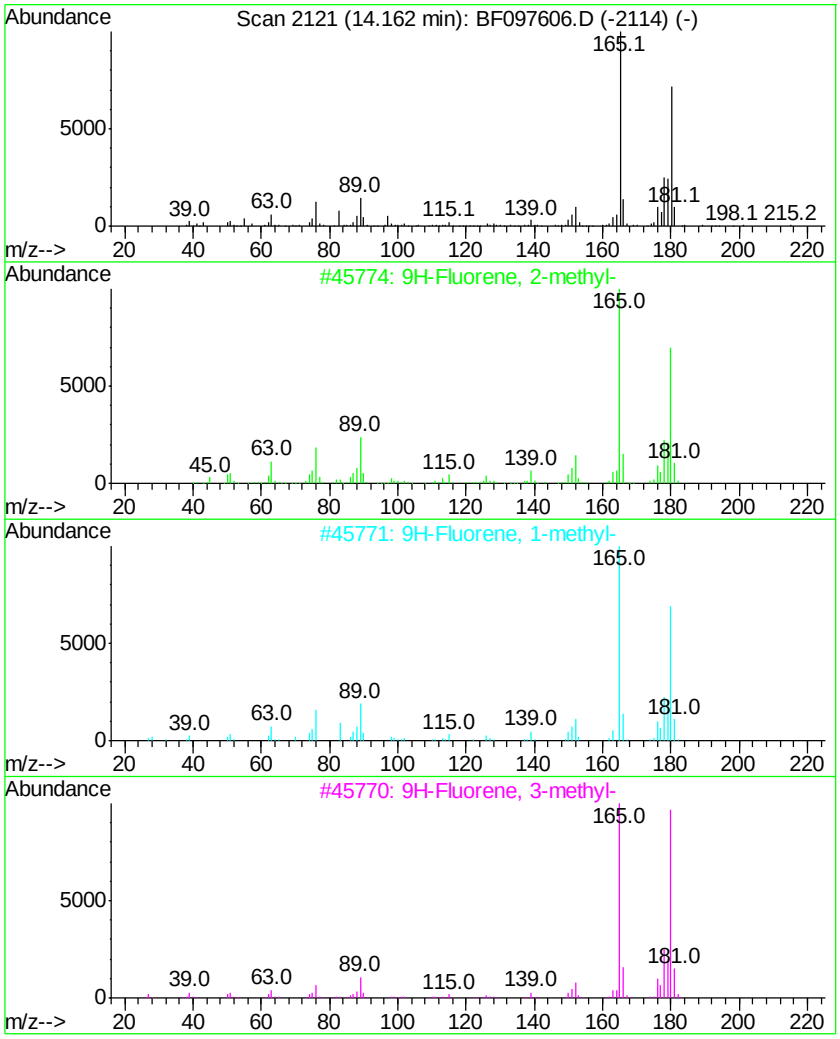
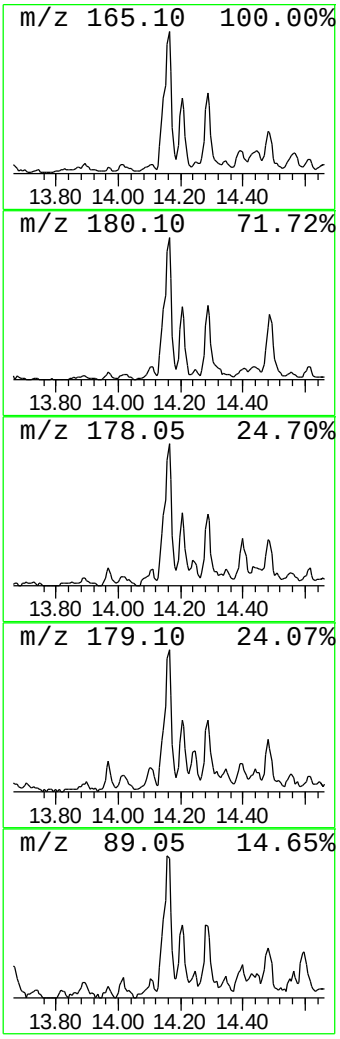
Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	27.68 ng	628262	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	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





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Operator : SJ/JU
Sample : I4697-11
Misc :
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ClientSampleId : NYSEG-PH4-ESMI-6B

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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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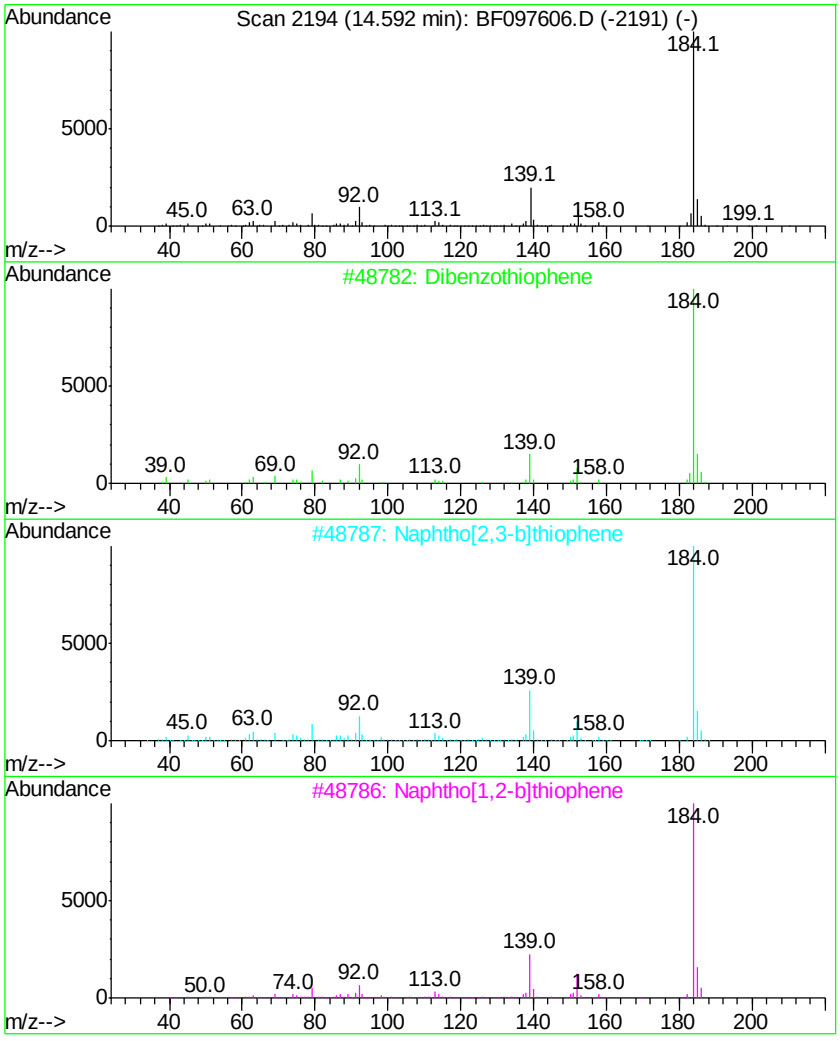
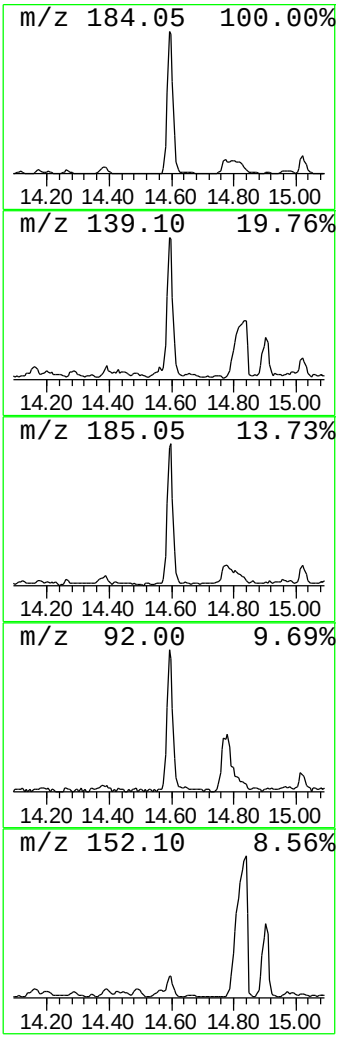
Peak Number 7 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	33.59 ng	762397	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[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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ClientSampleId : NYSEG-PH4-ESMI-6B

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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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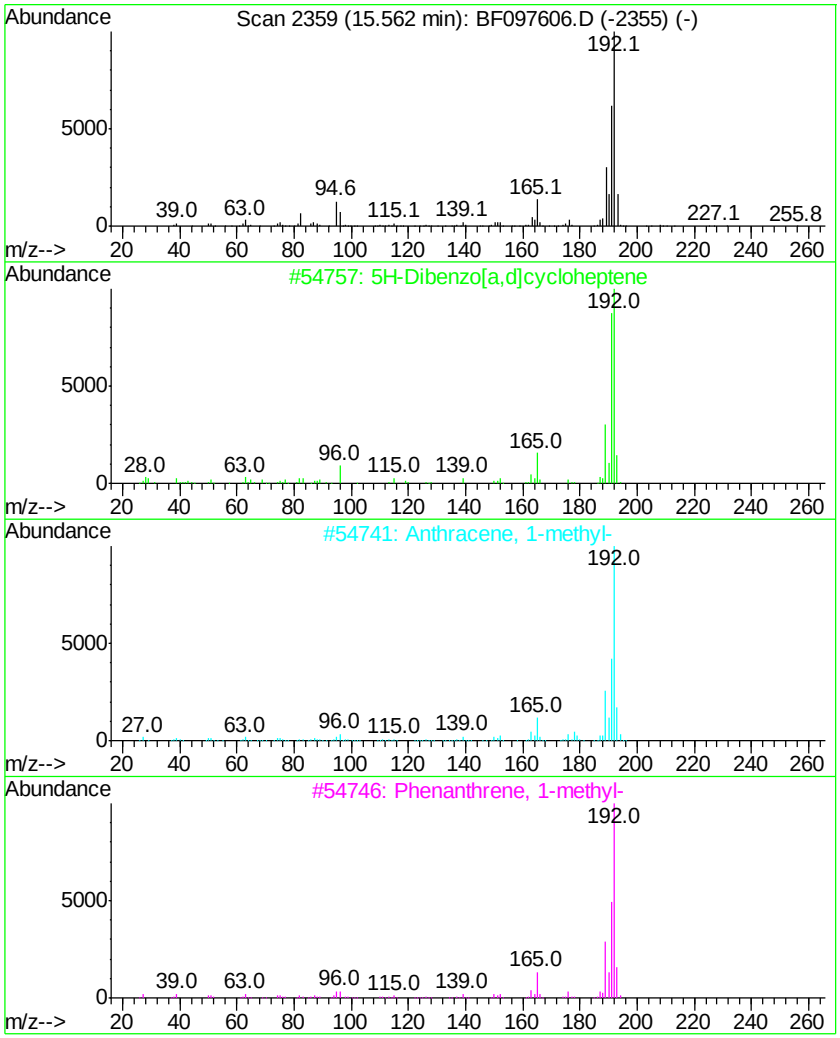
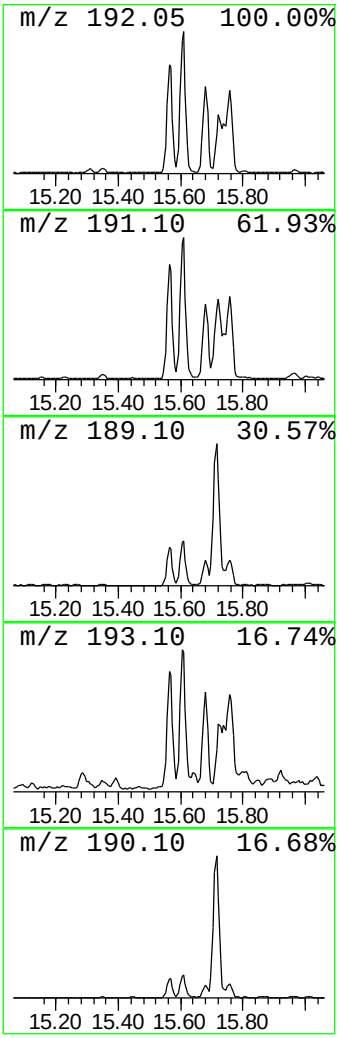
Peak Number 8 5H-Dibenzo[a,d]cycloheptene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	36.28 ng	823473	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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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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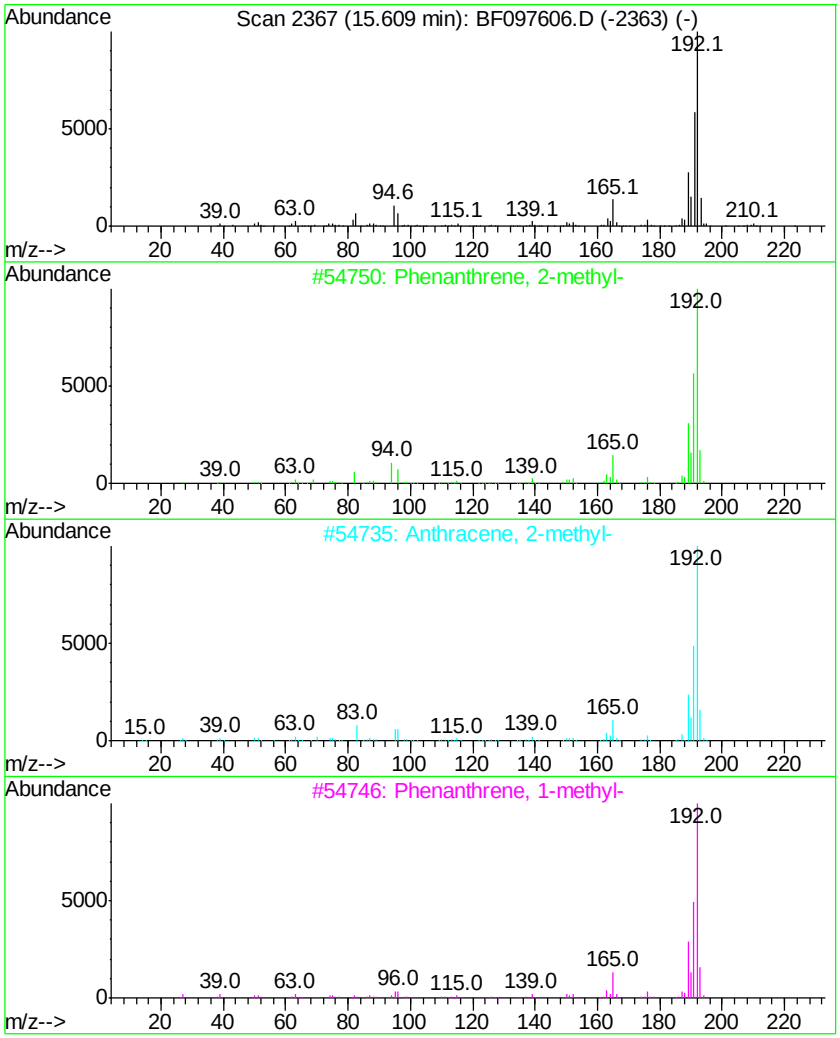
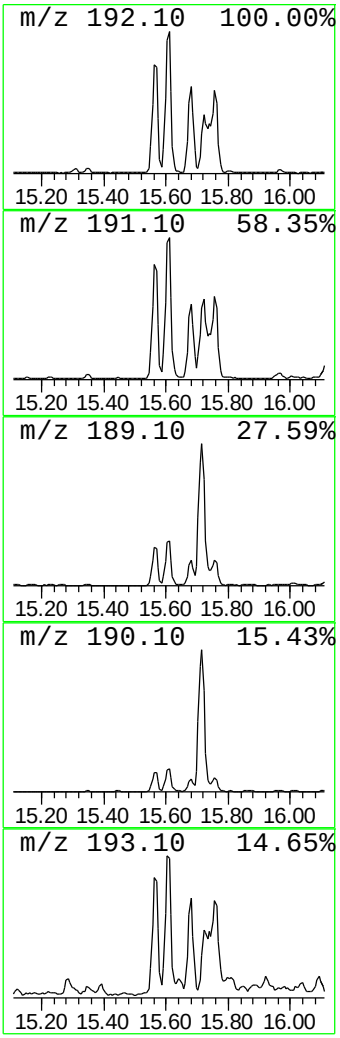
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	47.56 ng	1079390	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	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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ClientSampleId : NYSEG-PH4-ESMI-6B

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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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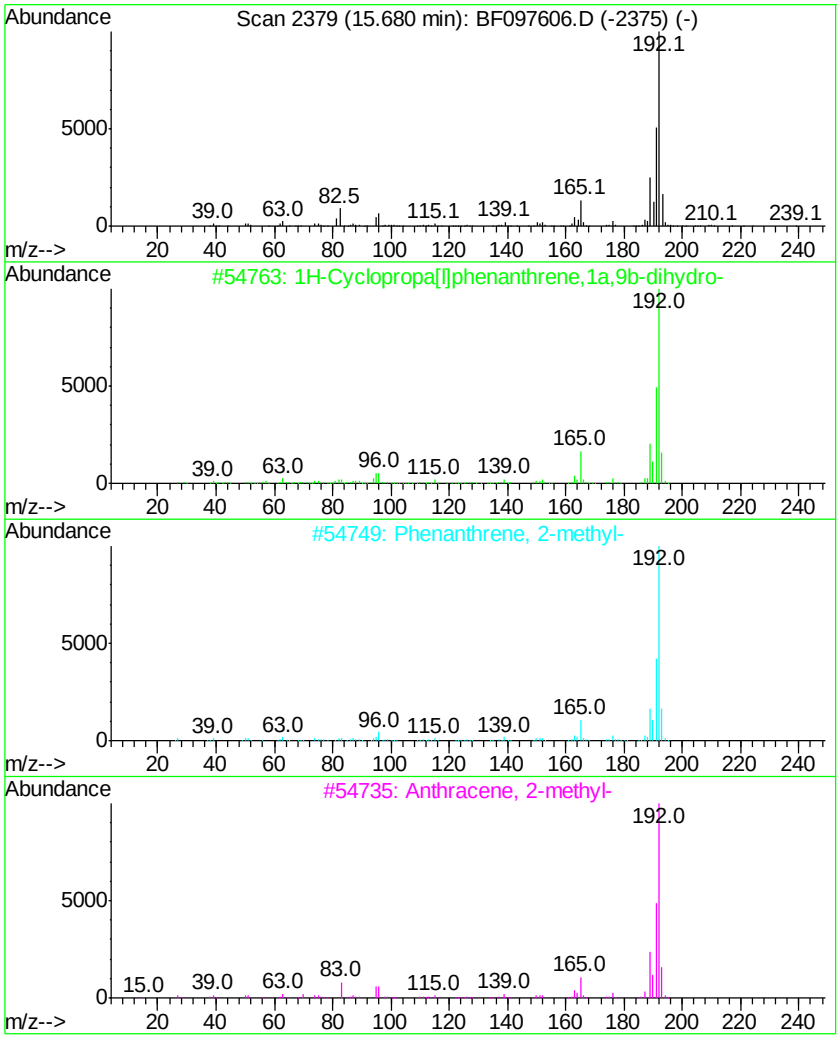
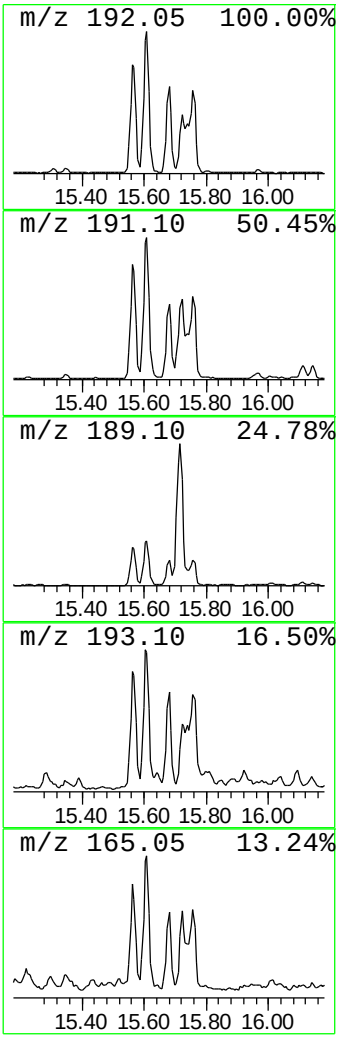
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	27.85 ng	632144	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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ALS Vial : 9 Sample Multiplier: 1

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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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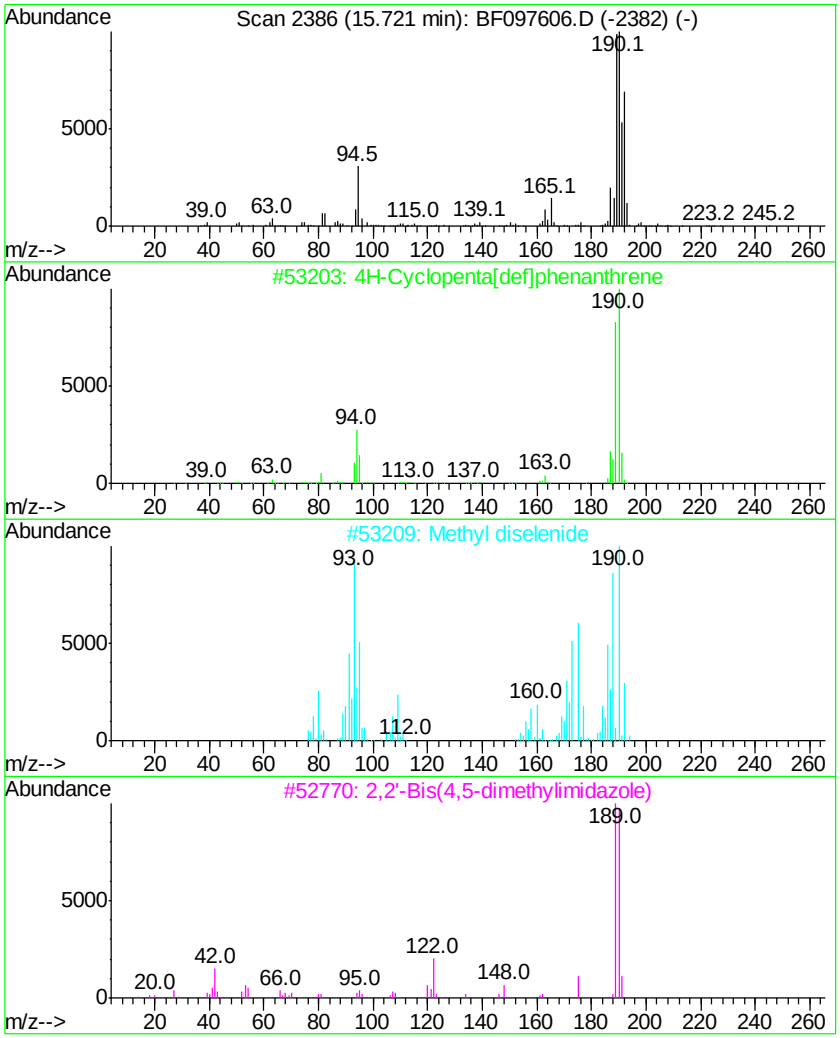
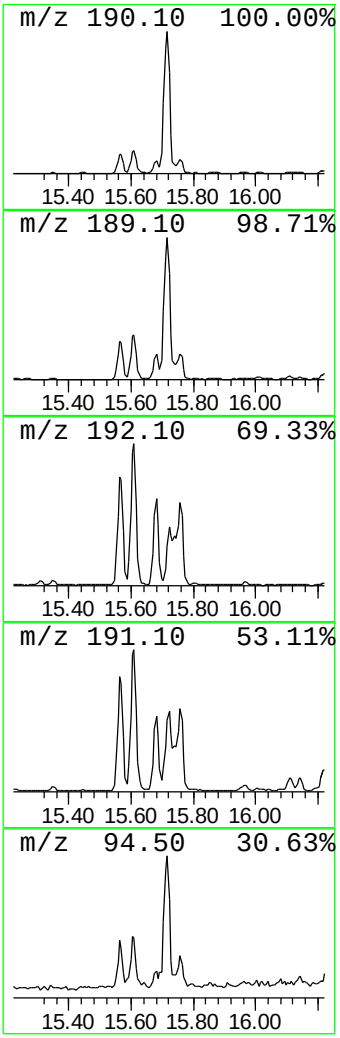
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	56.68 ng	1286310	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	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28
4	1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	22
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	16





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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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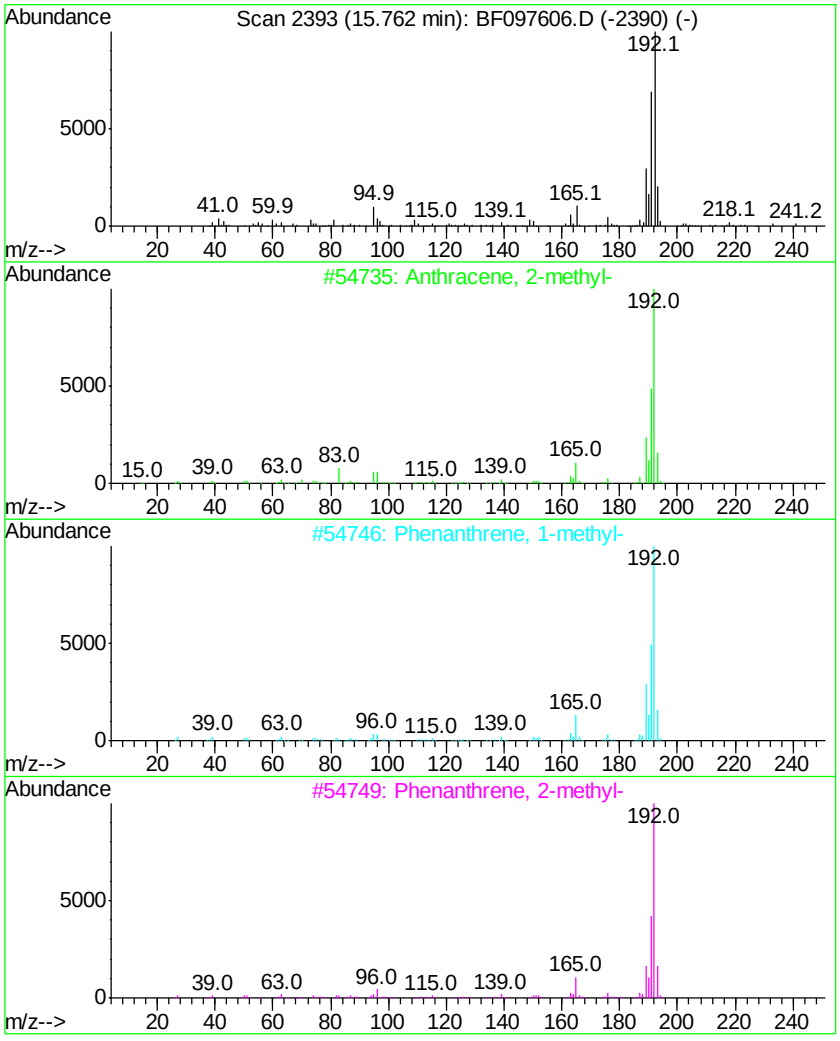
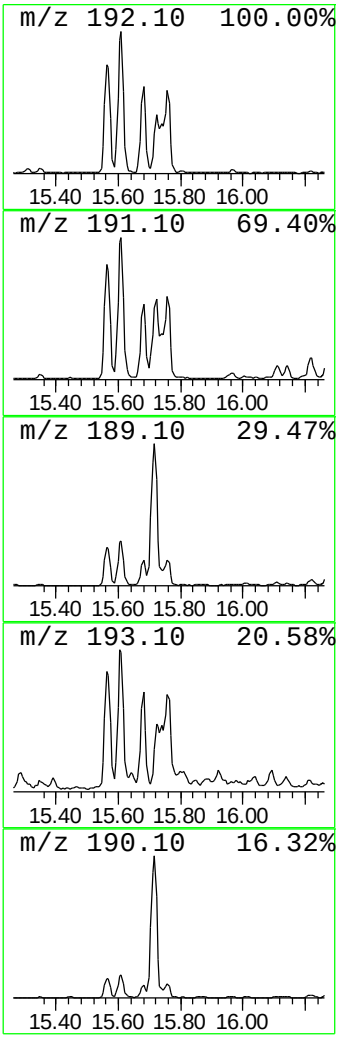
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	23.86 ng	541591	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	89





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ClientSampleId : NYSEG-PH4-ESMI-6B

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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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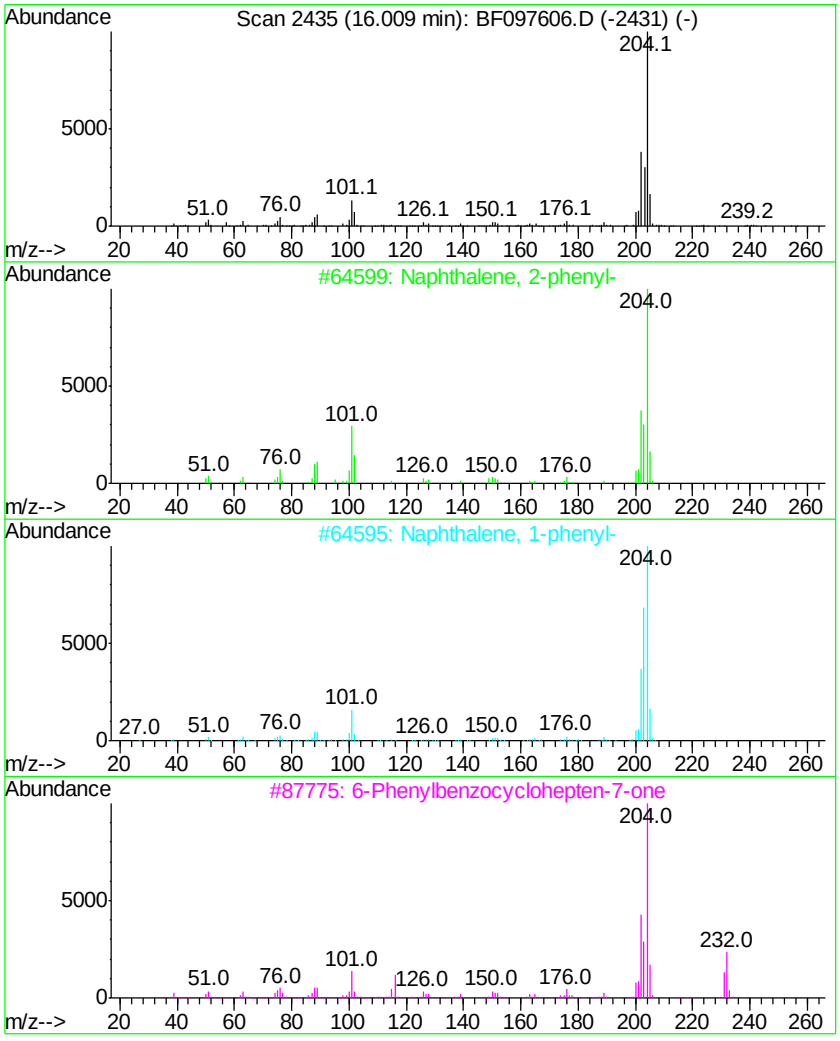
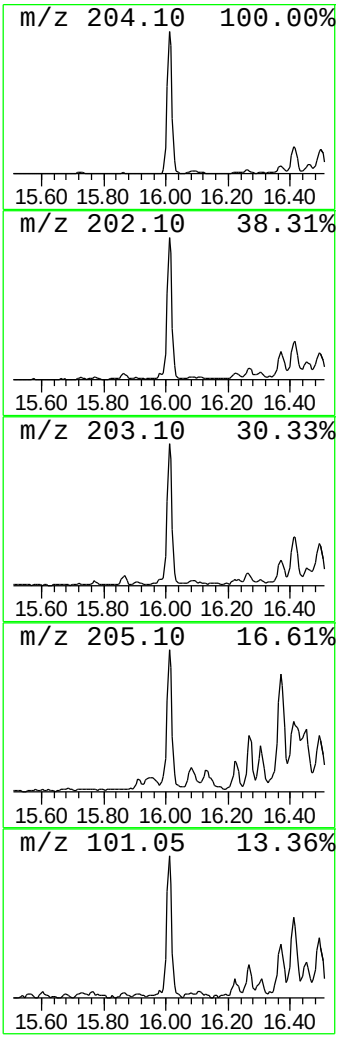
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	28.19 ng	639691	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64





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

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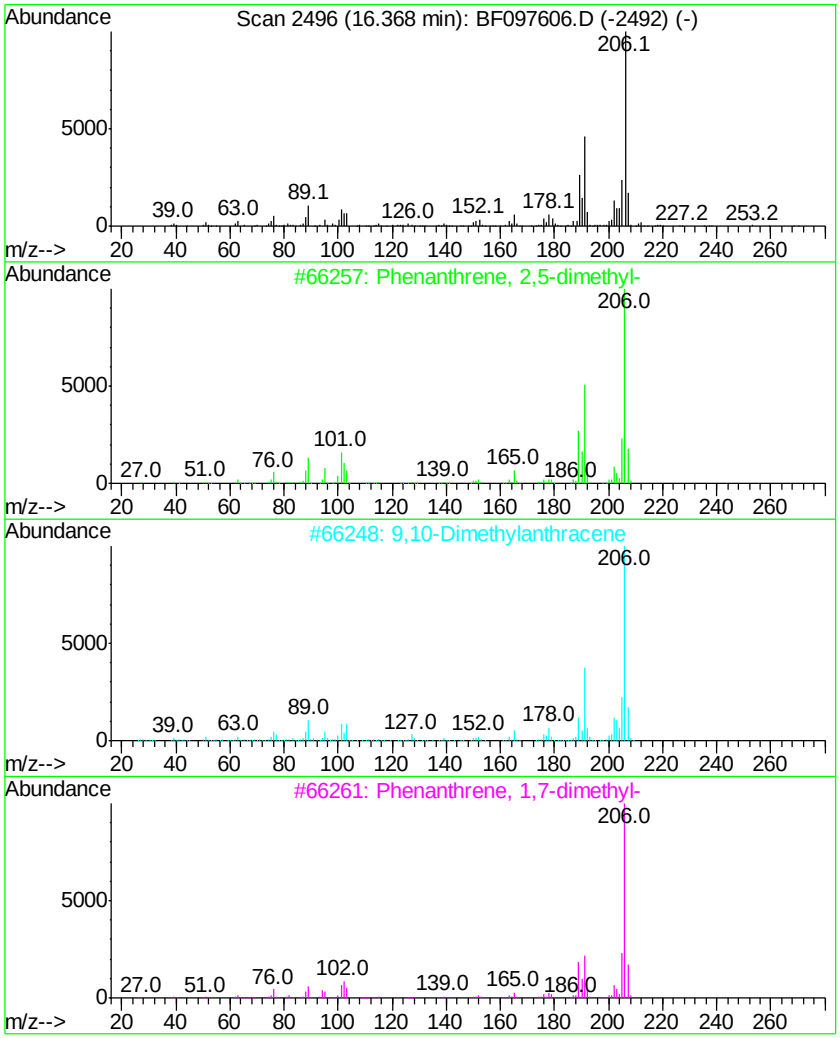
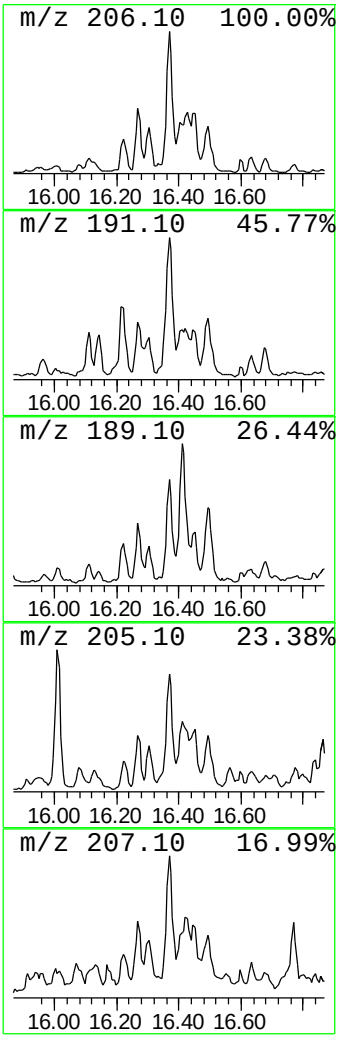
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	24.48 ng	555665	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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TIC Integration Parameters: LSCINT.P

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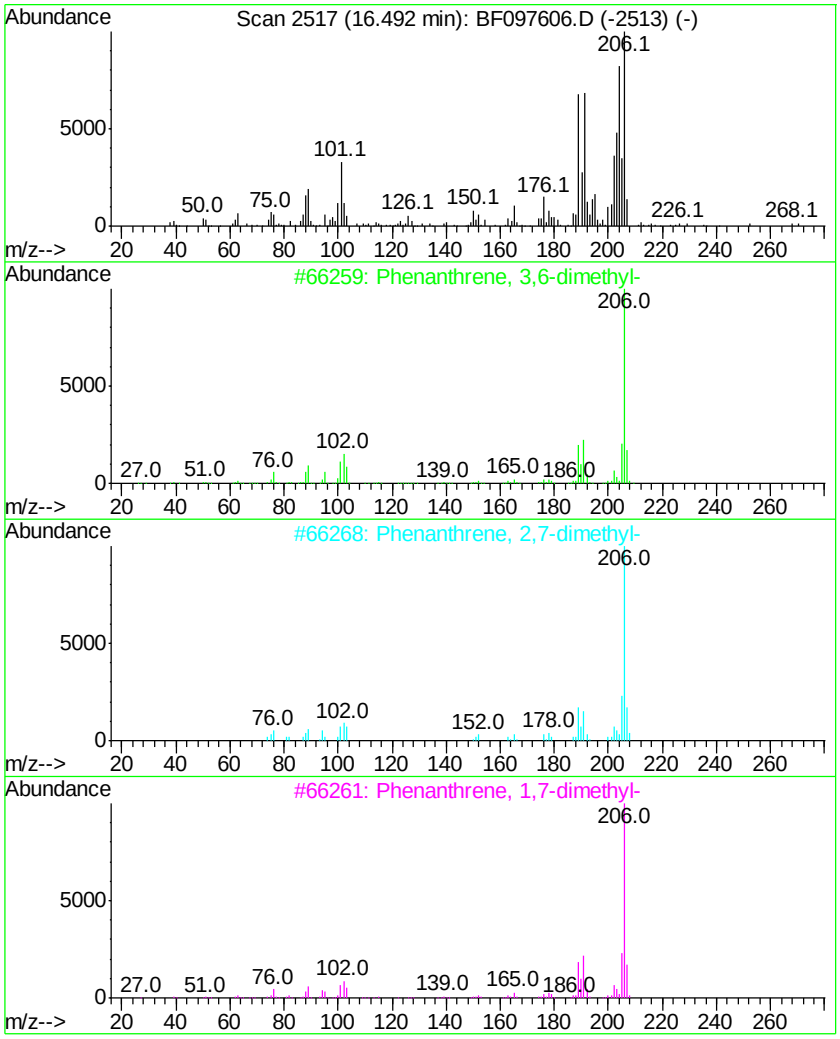
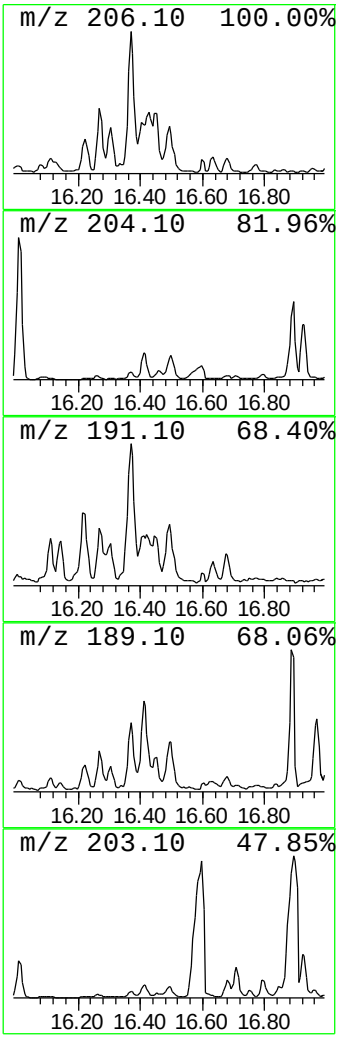
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	18.90 ng	428981	Phenanthrene-d10	14.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	53
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	49
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	44
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	42





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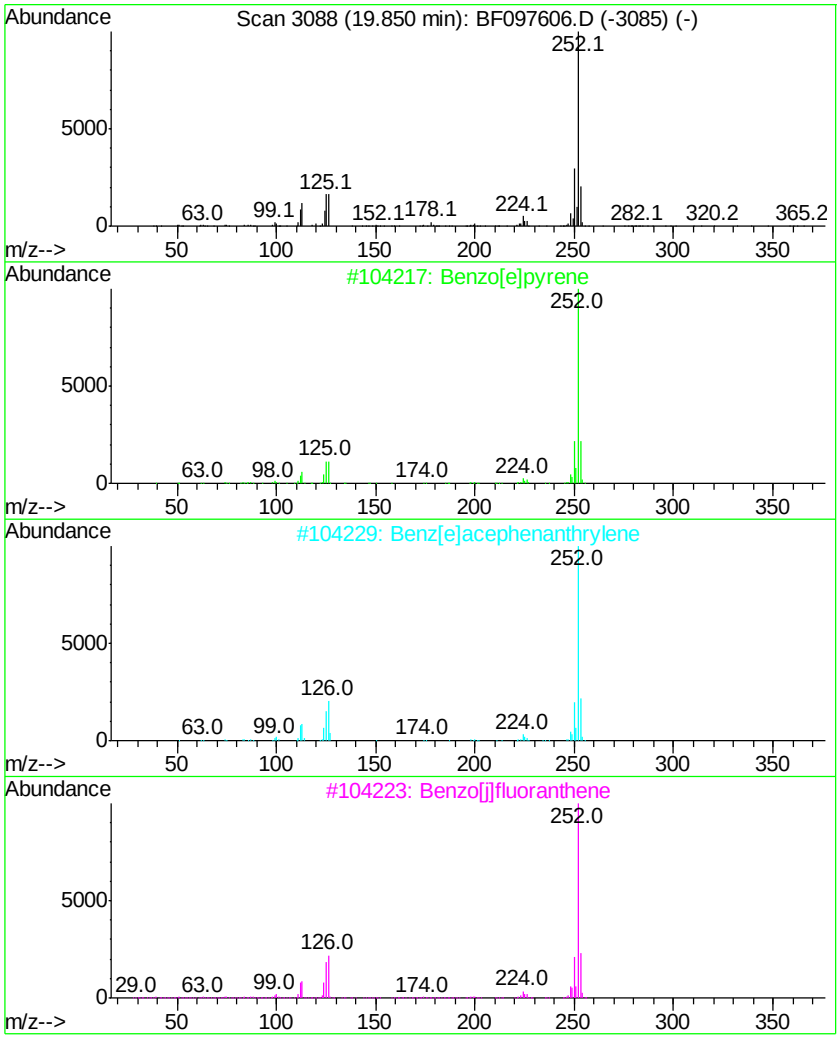
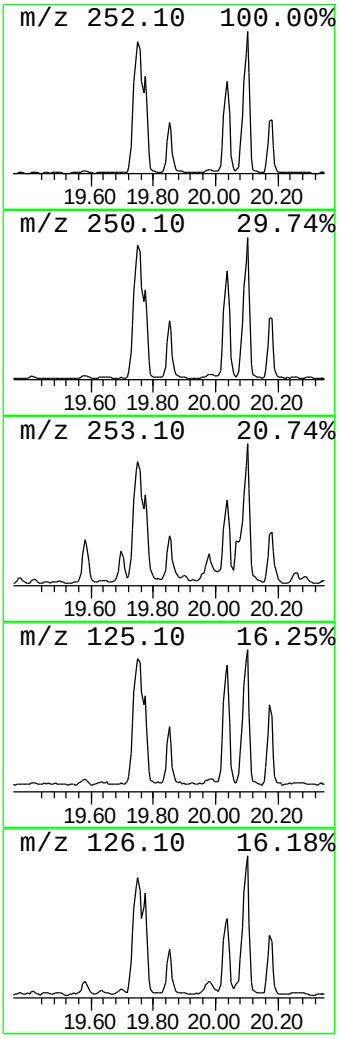
Peak Number 16 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.85	33.61 ng	569580	Perylene-d12	20.15

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[j]fluoranthene	252	C20H12	000205-82-3	96
4	Perylene	252	C20H12	000198-55-0	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	96





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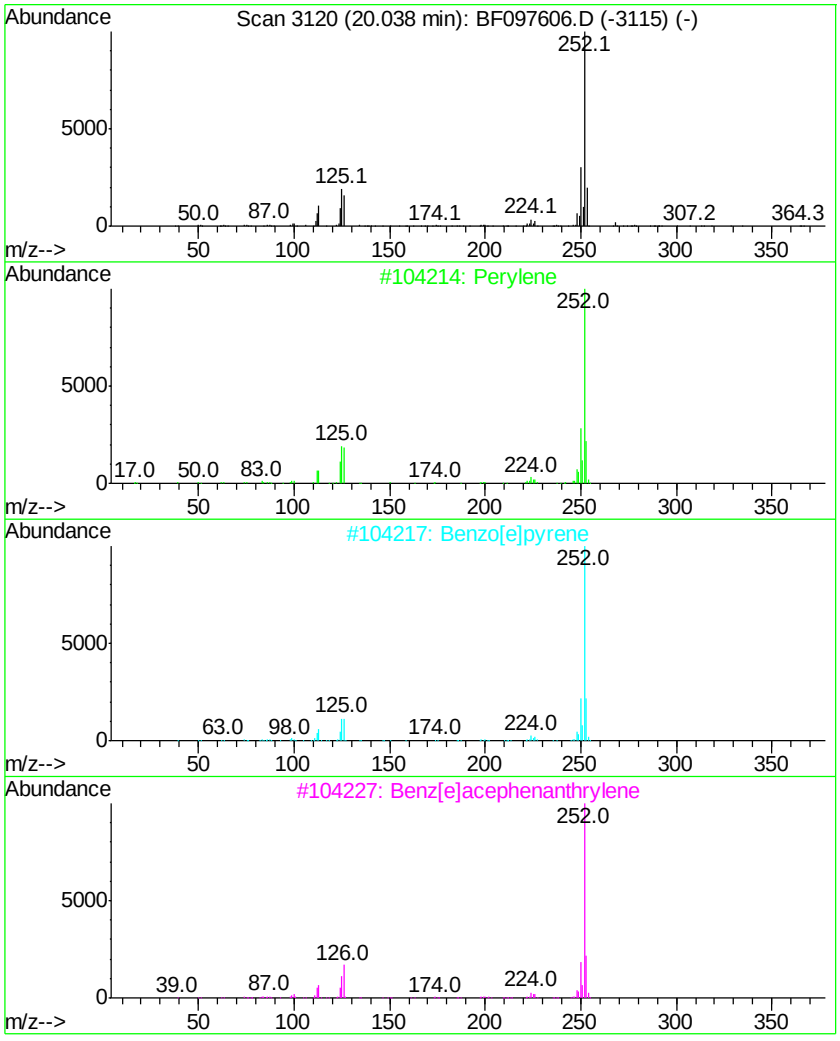
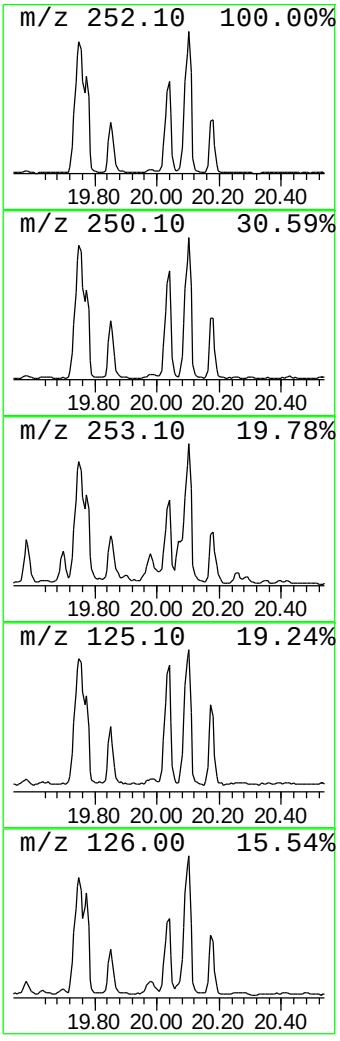
Peak Number 17 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	77.10 ng	1306510	Perylene-d12	20.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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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

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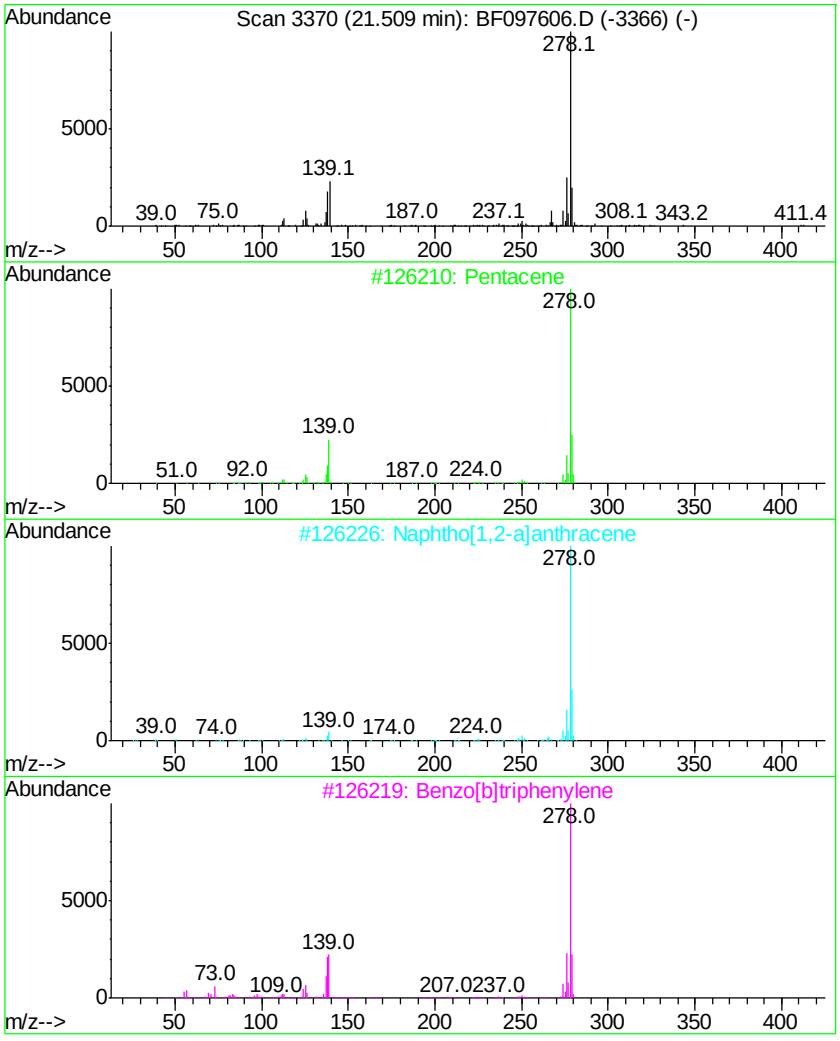
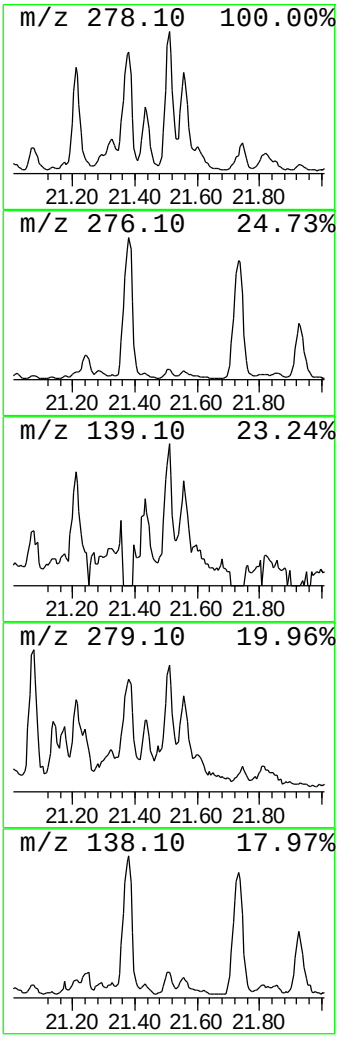
Peak Number 18 Pentacene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	17.26 ng	292556	Perylene-d12	20.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	93
2	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	91
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
5	Benzo[b]chrysene	278	C22H14	000214-17-5	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097606.D
Acq On : 11 Aug 2017 21:19
Operator : SJ/JU
Sample : I4697-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-6B

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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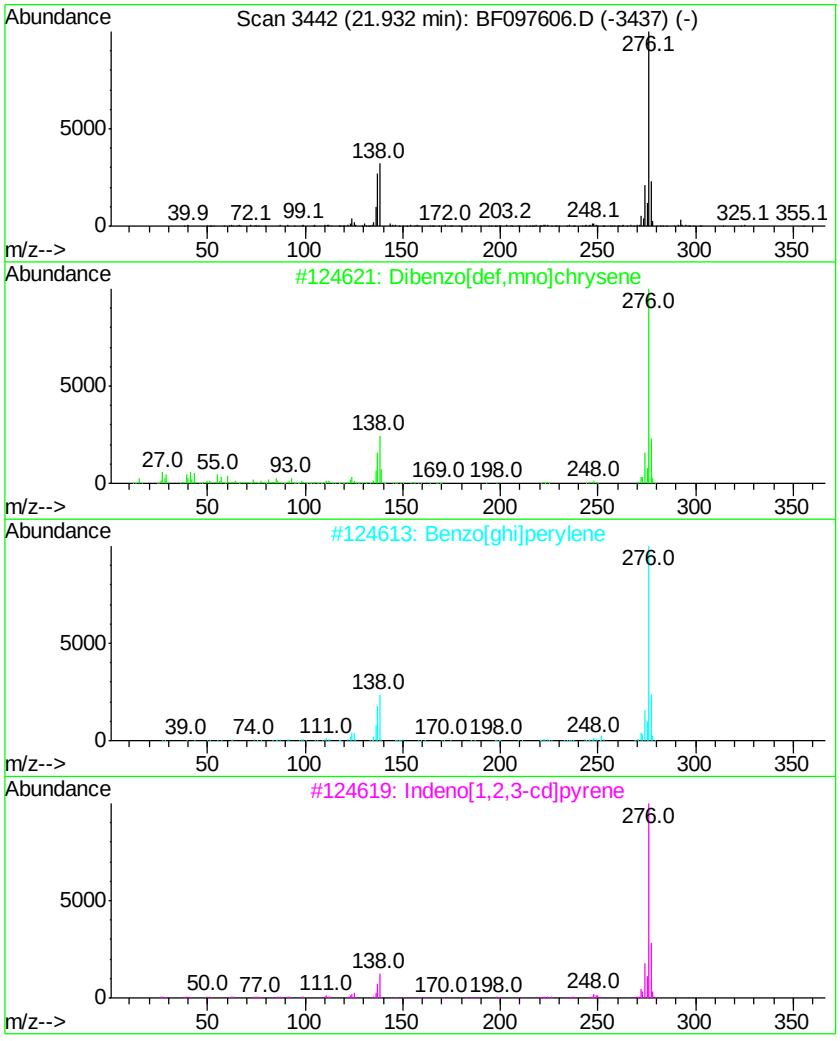
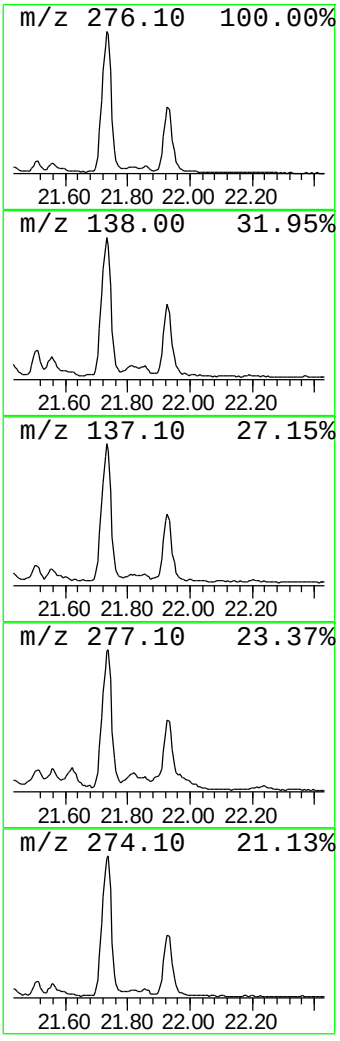
Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	35.63 ng	603698	Perylene-d12	20.15

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	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097606.D
Acq On : 11 Aug 2017 21:19
Operator : SJ/JU
Sample : I4697-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-6B

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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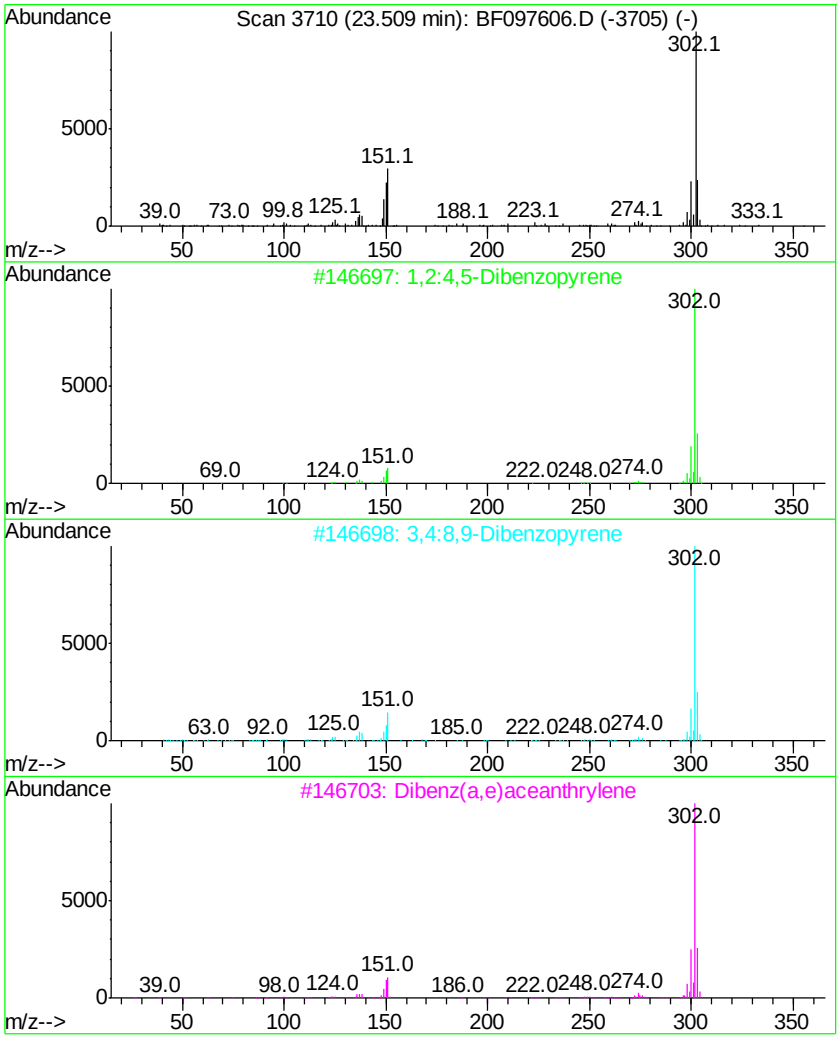
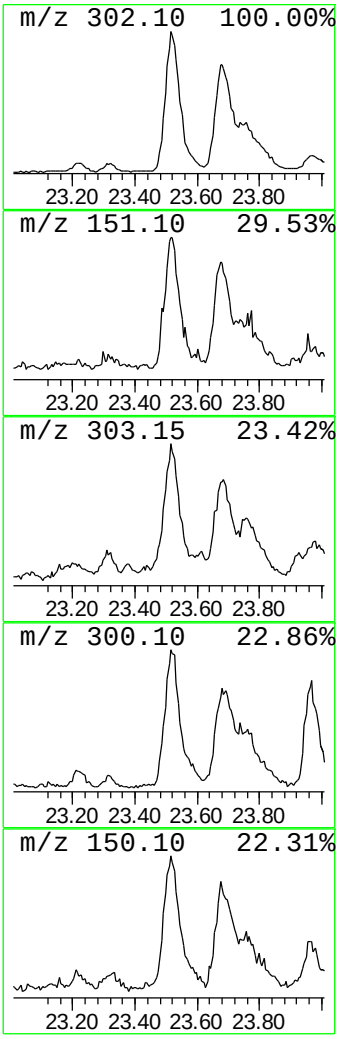
Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.51	32.01 ng	542459	Perylene-d12	20.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	98
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	87
4	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	86
5	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081117\
Data File : BF097606.D
Acq On : 11 Aug 2017 21:19
Operator : SJ/JU
Sample : I4697-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-6B

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
unknown7.17	7.17	78.9	ng	2413760	1	7.51	611658	20.0
Naphthalene, 1-me...	10.85	22.0	ng	867156	2	9.54	788607	20.0
Naphthalene, 2,6-...	11.72	17.9	ng	750678	3	12.37	839793	20.0
Naphthalene, 1,5-...	11.84	19.4	ng	816677	3	12.37	839793	20.0
9H-Fluorene, 2-me...	14.16	27.7	ng	628262	4	14.77	453916	20.0
Dibenzothiophene	14.59	33.6	ng	762397	4	14.77	453916	20.0
5H-Dibenzo[a,d]cy...	15.56	36.3	ng	823473	4	14.77	453916	20.0
Phenanthrene, 2-m...	15.61	47.6	ng	1079390	4	14.77	453916	20.0
1H-Cyclopropa[l]p...	15.68	27.9	ng	632144	4	14.77	453916	20.0
4H-Cyclopenta[def...	15.72	56.7	ng	1286310	4	14.77	453916	20.0
Anthracene, 2-met...	15.76	23.9	ng	541591	4	14.77	453916	20.0
Naphthalene, 2-ph...	16.01	28.2	ng	639691	4	14.77	453916	20.0
Phenanthrene, 2,5...	16.37	24.5	ng	555665	4	14.77	453916	20.0
Phenanthrene, 3,6...	16.49	18.9	ng	428981	4	14.77	453916	20.0
Benzo[e]pyrene	19.85	33.6	ng	569580	6	20.15	338917	20.0
Perylene	20.04	77.1	ng	1306510	6	20.15	338917	20.0
Pentacene	21.51	17.3	ng	292556	6	20.15	338917	20.0
Dibenzo[def,mno]c...	21.93	35.6	ng	603698	6	20.15	338917	20.0
1,2:4,5-Dibenzopy...	23.51	32.0	ng	542459	6	20.15	338917	20.0