LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097578.D
Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

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-BF072517.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	4.510	477	480	493	rBV	35929	79472	4.93%	0.273%
2	4.987	558	561	582	rBV	476938	886907	55.07%	3.047%
3	6.069	742	745	759	rBV	615867	920069	57.13%	3.161%
4	6.169	759	762	768	rVV	805138	944108	58.62%	3.244%
5	6.216	768	770	778	rVB3	34630	74047	4.60%	0.254%
6	6.386	796	799	808	rBV	595596	644669	40.03%	2.215%
7	6.545	823	826	841	rBV	635248	632796	39.29%	2.174%
8	6.963	894	897	915	rBV	483187	603921	37.50%	2.075%
9	7.675	1014	1018	1020	rBV	949798	851561	52.88%	2.926%
10	7.692	1020	1021	1029	rVV	172872	195114	12.12%	0.670%
11	8.392	1137	1140	1147	rVB	66049	69638	4.32%	0.239%
12	8.486	1151	1156	1168	rVB	52993	55818	3.47%	0.192%
13	8.751	1197	1201	1209	rVB	1068353	898659	55.80%	3.088%
14	9.086	1255	1258	1260	rVV	60601	61292	3.81%	0.211%
15	9.157	1267	1270	1274	rVV	211163	186588	11.59%	0.641%
16	9.198	1274	1277	1285	rVB	38505	59609	3.70%	0.205%
17	9.280	1287	1291	1297	rVB	276191	266090	16.52%	0.914%
18	9.416	1310	1314	1318	rVV	1017827	895741	55.62%	3.078%
19	9.451	1318	1320	1325	rVV2	52307	54563	3.39%	0.187%
20	9.627	1344	1350	1354	rBV	118293	114713	7.12%	0.394%
21	9.739	1365	1369	1371	rBV	56623	59413	3.69%	0.204%
22	9.827	1380	1384	1389	rBV4	37832	72820	4.52%	0.250%
23	9.874	1389	1392	1395	rVB	66857	60853	3.78%	0.209%
24	9.963	1404	1407	1413	rVB2	146331	153527	9.53%	0.528%
25	10.121	1431	1434	1440	rVB2	79646	84594	5.25%	0.291%
26	10.210	1440	1449	1453	rBV	467027	542898	33.71%	1.865%
27	10.339	1468	1471	1477	rVB3	80217	119556	7.42%	0.411%
28	10.510	1491	1500	1503	rBV3	60708	97538	6.06%	0.335%
29	10.639	1517	1522	1524	rBV	82647	84926	5.27%	0.292%
30	10.663	1524	1526	1531	rVB	65139	74299	4.61%	0.255%
31	10.716	1531	1535	1538	rBV	102946	106775	6.63%	0.367%
32	10.751	1538	1541	1544	rBV	70906	67452	4.19%	0.232%
33	10.786	1544	1547	1550	rBV	97336	96144	5.97%	0.330%
34	10.892	1561	1565	1567	rBV	780974	728899	45.26%	2.504%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097578.D
Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

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-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.916	1567	1569	1573	rVB	1204338	987472	61.32%	3.393%
36	10.969	1573	1578	1582	rBV	391474	356446	22.13%	1.225%
37	11.016	1582	1586	1591	rBV4	41608	66863	4.15%	0.230%
38	11.139	1601	1607	1613	rBV3	104053	198524	12.33%	0.682%
39	11.392	1647	1650	1653	rBV	231297	205564	12.76%	0.706%
40	11.421	1653	1655	1659	rVV	284288	249524	15.49%	0.857%
41	11.468	1659	1663	1666	rVV2	149183	149082	9.26%	0.512%
42	11.498	1666	1668	1671	rVV	318264	342200	21.25%	1.176%
43	11.527	1671	1673	1679	rVB	181225	172004	10.68%	0.591%
44	11.616	1685	1688	1694	rBV2	53181	57267	3.56%	0.197%
45	11.686	1697	1700	1705	rVB	138758	133159	8.27%	0.458%
46	11.733	1705	1708	1711	rBV2	135771	143380	8.90%	0.493%
47	11.833	1722	1725	1728	rBV2	65488	65363	4.06%	0.225%
48	11.868	1728	1731	1733	rVV	69632	60711	3.77%	0.209%
49	11.939	1740	1743	1746	rVV	190328	191560	11.89%	0.658%
50	11.980	1746	1750	1752	rVV2	102715	145247	9.02%	0.499%
51	11.998	1752	1753	1756	rVV2	110143	101025	6.27%	0.347%
52	12.033	1756	1759	1762	rVB2	156546	174191	10.82%	0.599%
53	12.098	1767	1770	1774	rBV	1417786	1447328	89.87%	4.973%
54	12.192	1784	1786	1791	rVB	150620	152202	9.45%	0.523%
55	12.251	1792	1796	1803	rVB4	79603	123352	7.66%	0.424%
56	12.327	1803	1809	1812	rBV2	1130567	1252098	77.75%	4.302%
57	12.374	1815	1817	1823	rVB3	87662	130988	8.13%	0.450%
58	12.451	1826	1830	1831	rBV2	106141	105642	6.56%	0.363%
59	12.474	1831	1834	1836	rBV	351363	314331	19.52%	1.080%
60	12.545	1841	1846	1853	rBV3	124785	244501	15.18%	0.840%
61	12.633	1858	1861	1862	rBV2	96989	108700	6.75%	0.373%
62	12.657	1862	1865	1869	rVB2	201068	215724	13.40%	0.741%
63	12.721	1873	1876	1879	rVB2	123082	100819	6.26%	0.346%
64	12.757	1879	1882	1887	rBV	204062	216784	13.46%	0.745%
65	12.851	1895	1898	1900	rVB	98450	88838	5.52%	0.305%
66	12.880	1900	1903	1908	rBV2	100118	105543	6.55%	0.363%
67	13.039	1925	1930	1931	rBV5	35373	53609	3.33%	0.184%
68	13.174	1950	1953	1956	rVB	143558	129145	8.02%	0.444%
69	13.292	1965	1973	1975	rBV3	157354	289206	17.96%	0.994%
70	13.321	1975	1978	1980	rBV	102514	84343	5.24%	0.290%
71	13.386	1985	1989	1994	rBV2	162693	200262	12.44%	0.688%

LSC Area Percent Report

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Data File : BF097578.D
Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

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-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.515	2005	2011	2014	rBV2	1068467	1610463	100.00%	5.534%
73	13.551	2014	2017	2020	rVB	667285	682238	42.36%	2.344%
74	13.621	2027	2029	2033	rVB	73163	61935	3.85%	0.213%
75	13.680	2036	2039	2045	rBV2	117950	170099	10.56%	0.584%
76	13.733	2046	2048	2051	rVV2	61690	65299	4.05%	0.224%
77	13.909	2073	2078	2081	rVV	200930	232804	14.46%	0.800%
78	13.945	2081	2084	2086	rVB	88244	80933	5.03%	0.278%
79	13.986	2086	2091	2093	rBV4	60027	109162	6.78%	0.375%
80	14.104	2109	2111	2117	rVB4	61625	63863	3.97%	0.219%
81	14.239	2132	2134	2139	rVB4	73081	94462	5.87%	0.325%
82	14.368	2152	2156	2157	rBV2	61657	75177	4.67%	0.258%
83	14.386	2157	2159	2163	rVB	110678	112794	7.00%	0.388%
84	14.521	2177	2182	2190	rBV	858354	1462799	90.83%	5.026%
85	14.609	2190	2197	2201	rBV3	195475	286219	17.77%	0.983%
86	14.762	2219	2223	2229	rBV	501797	588951	36.57%	2.024%
87	14.815	2229	2232	2237	rVV	712172	784249	48.70%	2.695%
88	14.862	2237	2240	2243	rVV	351948	404509	25.12%	1.390%
89	14.892	2243	2245	2251	rVB2	204618	247675	15.38%	0.851%
90	15.051	2268	2272	2277	rVB3	74528	123191	7.65%	0.423%
91	15.156	2287	2290	2294	rBV2	63571	59804	3.71%	0.205%
92	15.233	2299	2303	2306	rVV	92723	131538	8.17%	0.452%
93	15.321	2316	2318	2323	rVB3	48242	54749	3.40%	0.188%
94	16.051	2437	2442	2450	rVB	310627	561211	34.85%	1.928%
95	16.186	2462	2465	2468	rVB	66193	75327	4.68%	0.259%
96	16.403	2497	2502	2509	rBV	229433	434574	26.98%	1.493%
97	16.609	2532	2537	2548	rVB2	85445	177990	11.05%	0.612%
98	18.192	2800	2806	2815	rVB3	56577	157231	9.76%	0.540%
99	18.633	2873	2881	2882	rBV8	43254	94856	5.89%	0.326%
100	19.109	2955	2962	2966	rBV4	34750	91596	5.69%	0.315%

Sum of corrected areas: 29103764

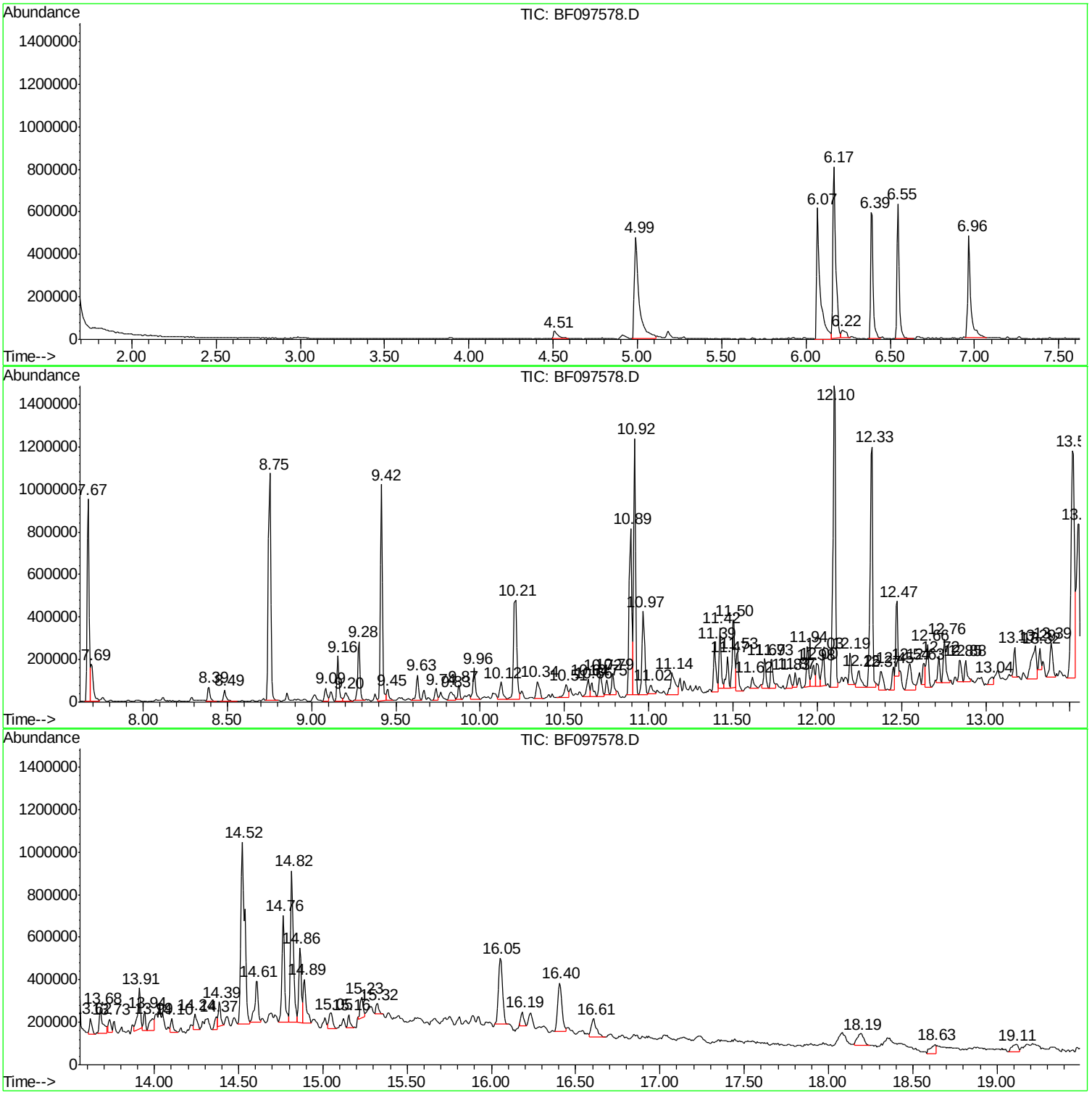
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097578.D
Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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\BF081017\
Data File : BF097578.D
Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

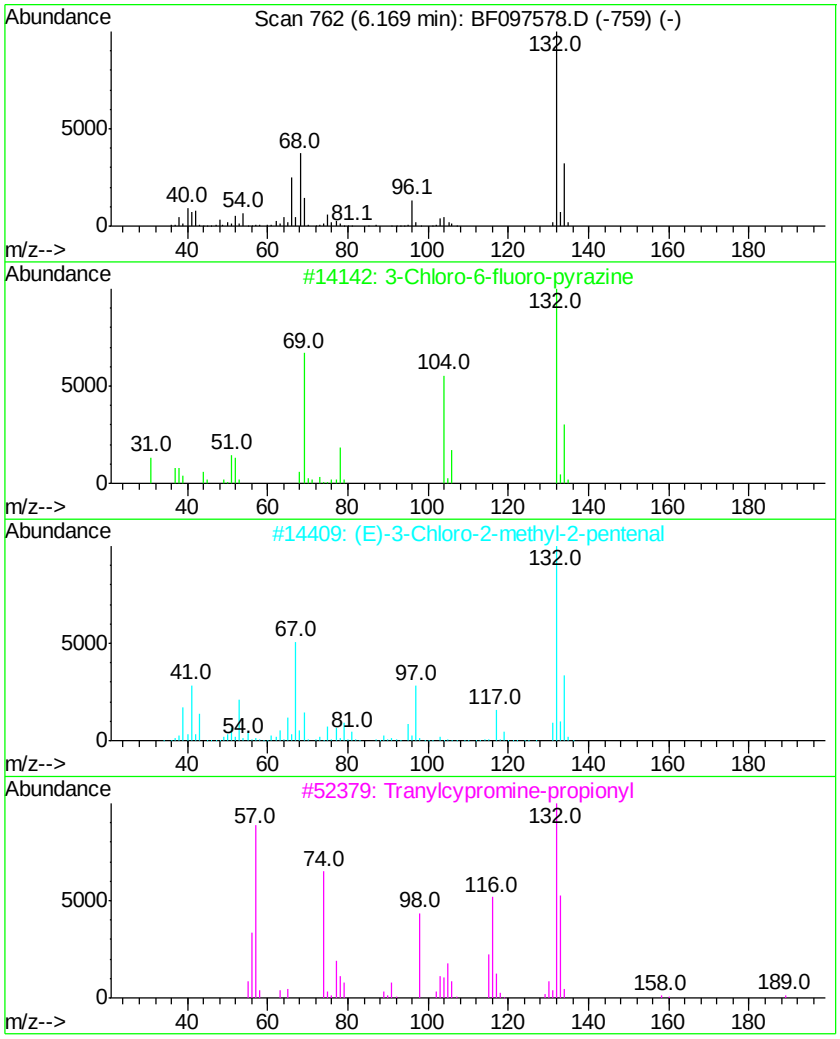
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

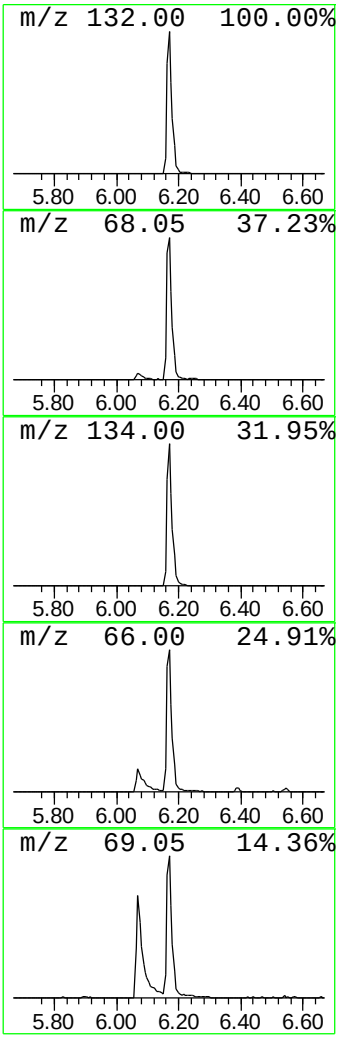
****

Peak Number 1 unknown6.17 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	29.29 ng	944108	1,4-Dichlorobenzene-d4	6.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097578.D
Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

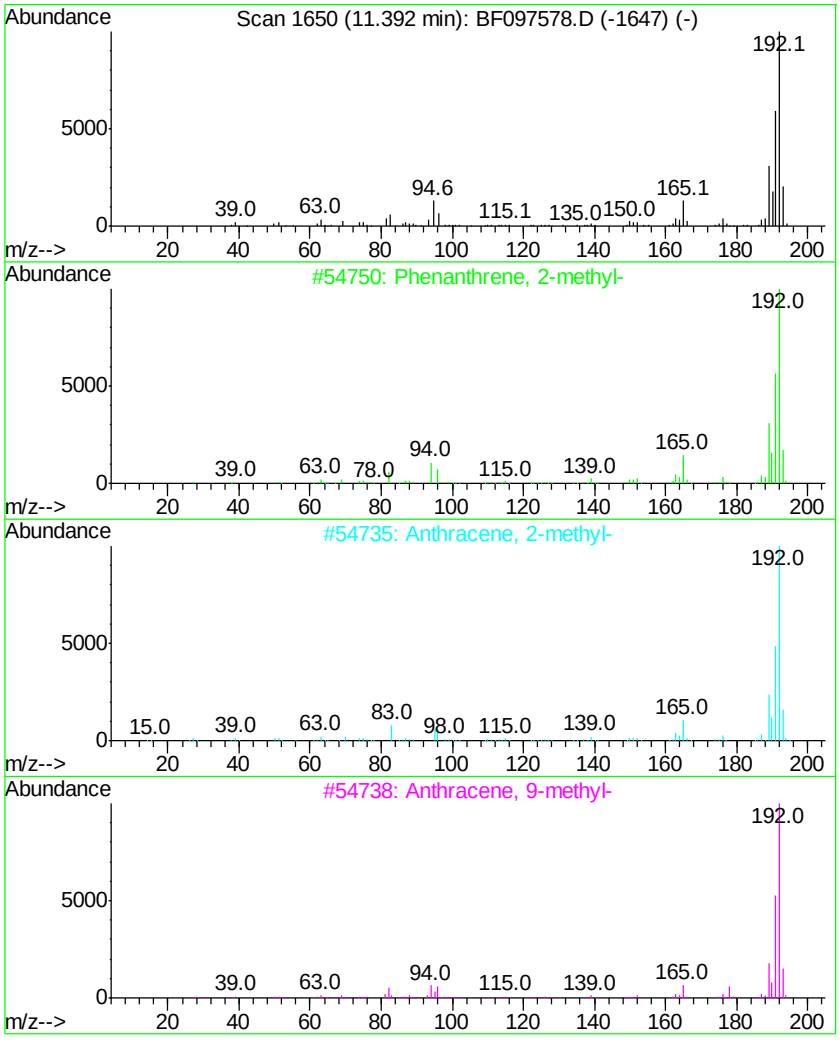
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

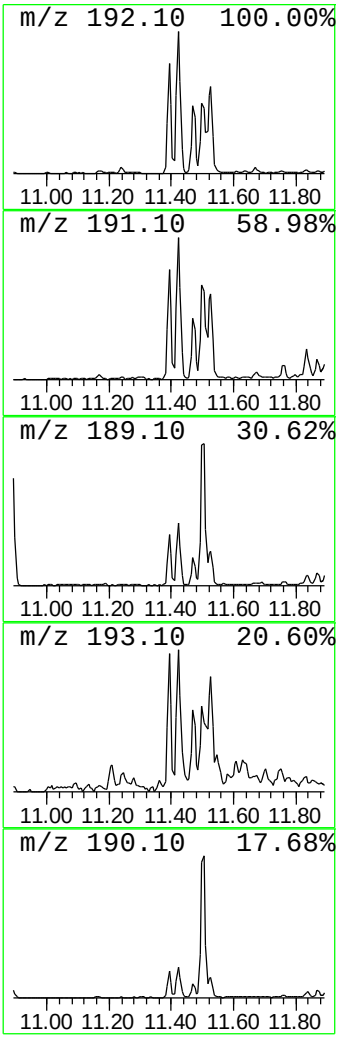
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	5.64 ng	205564	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097578.D
Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

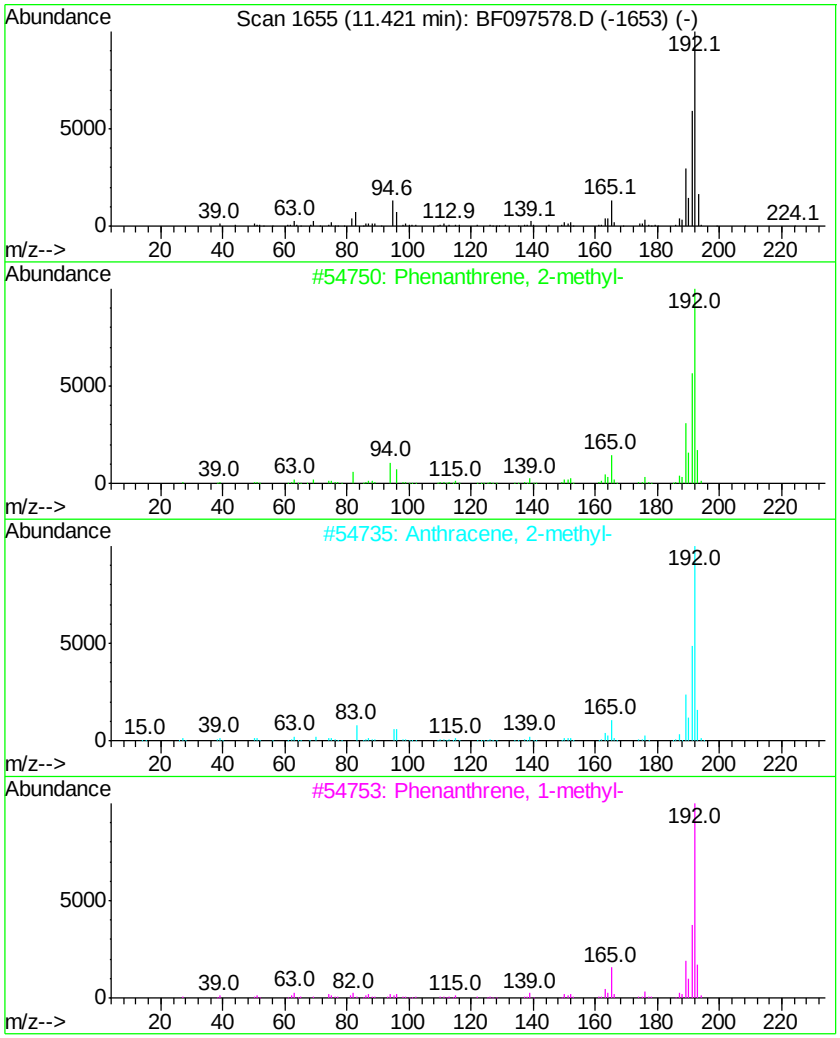
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

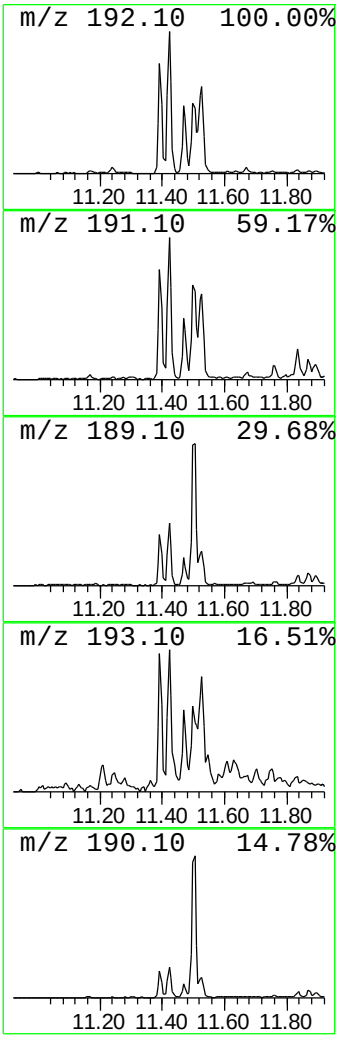
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	6.85 ng	249524	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097578.D
Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

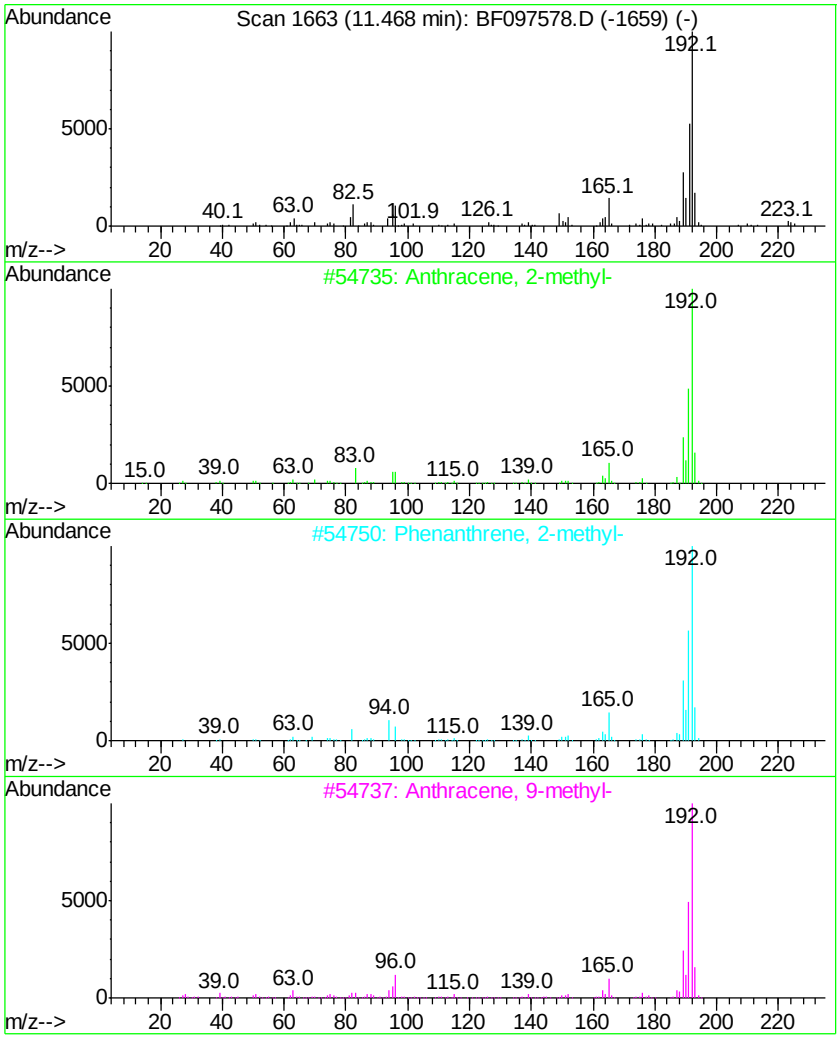
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

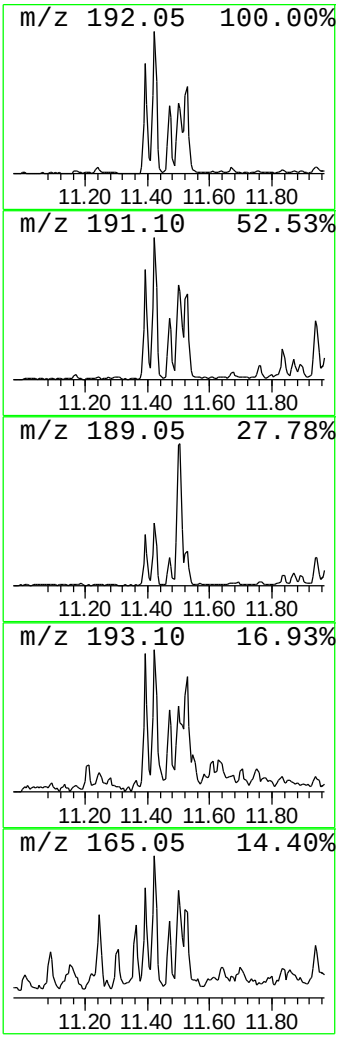
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	4.09 ng	149082	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097578.D
Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

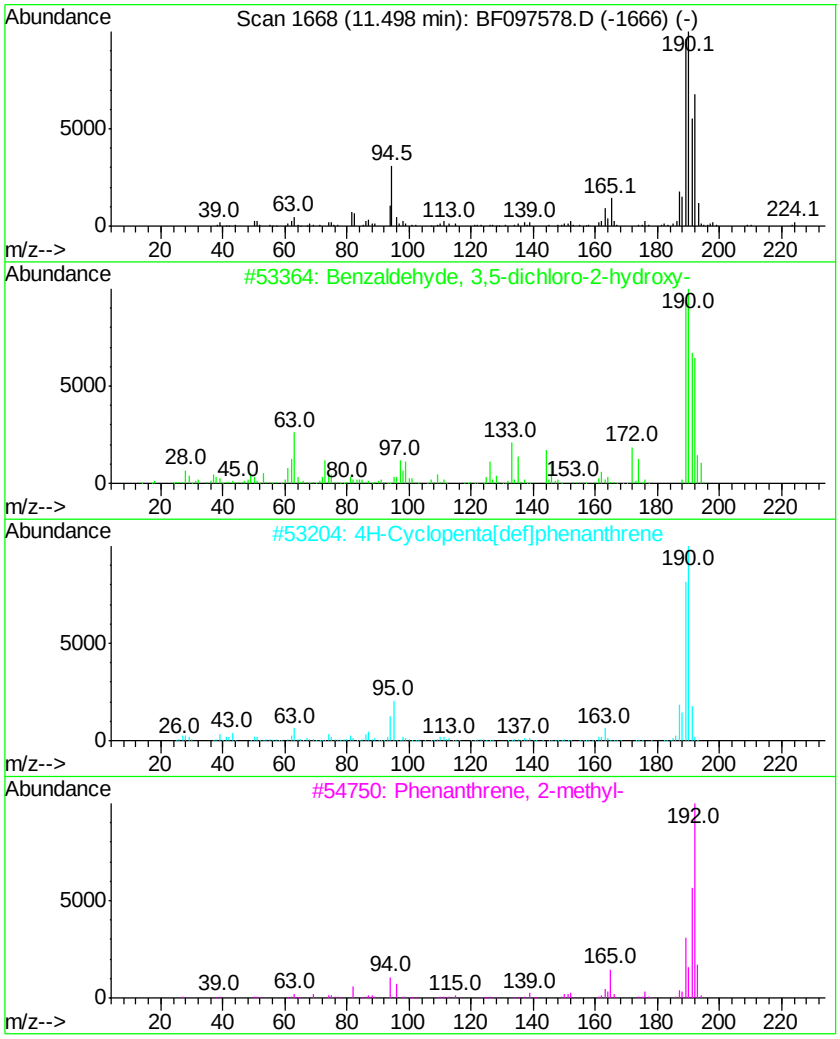
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

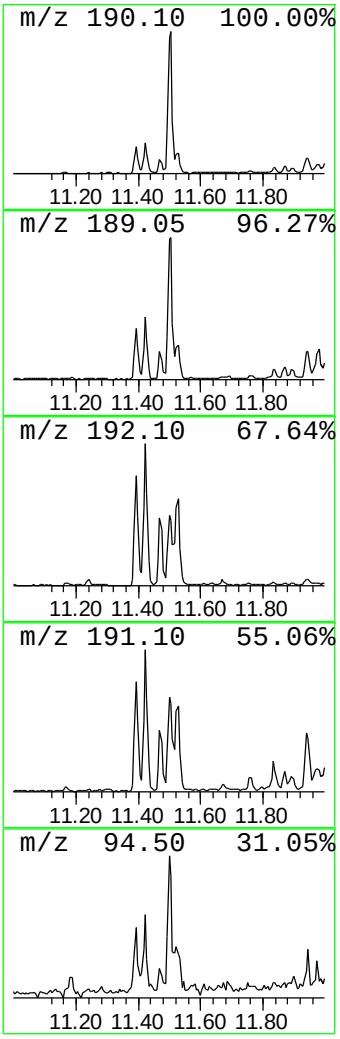
****

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	9.39 ng	342200	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35





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Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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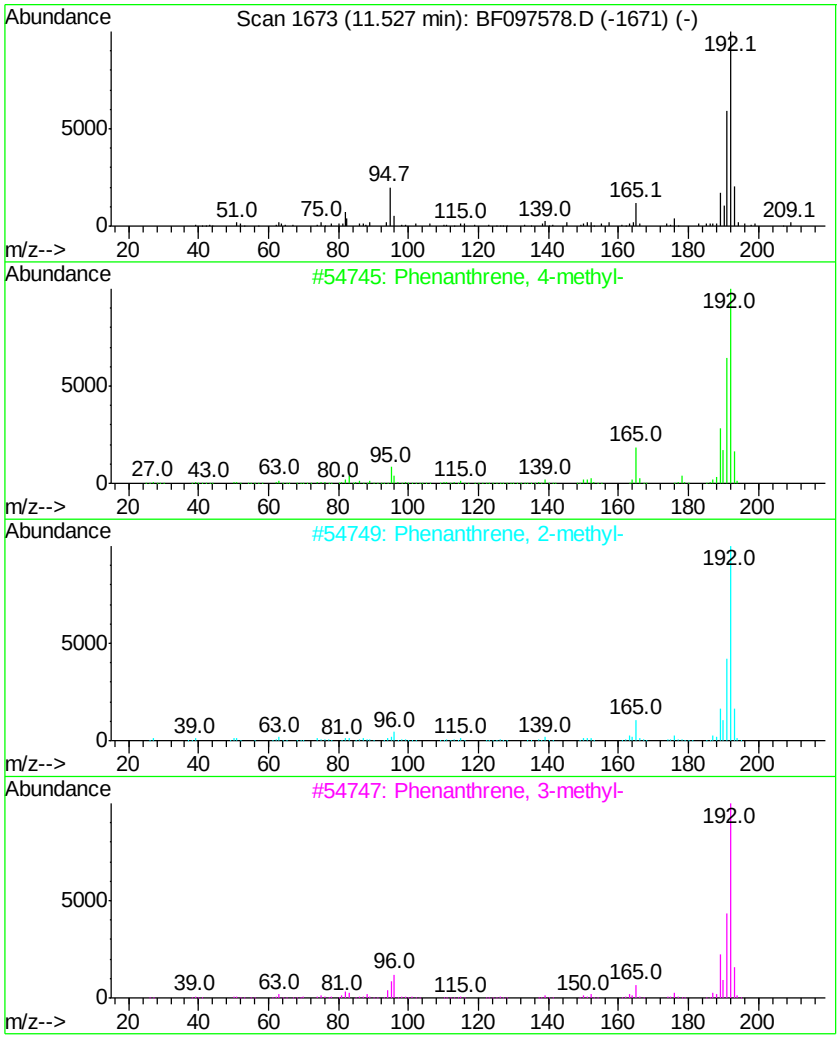
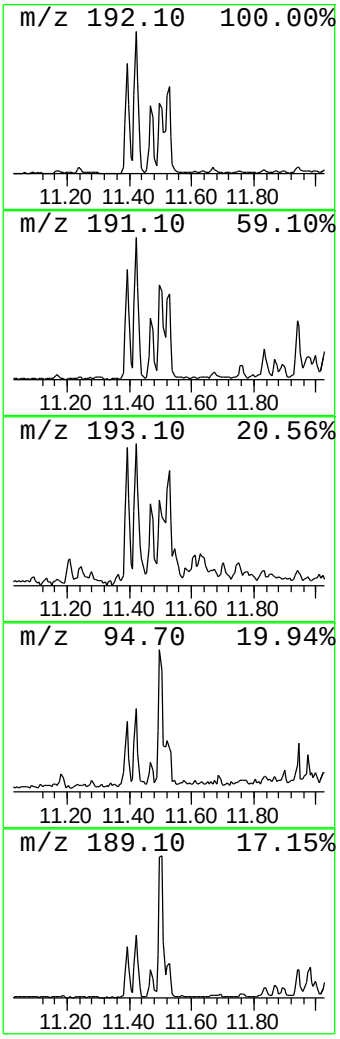
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	4.72 ng	172004	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : NYSEG-PH4-ESMI-1A

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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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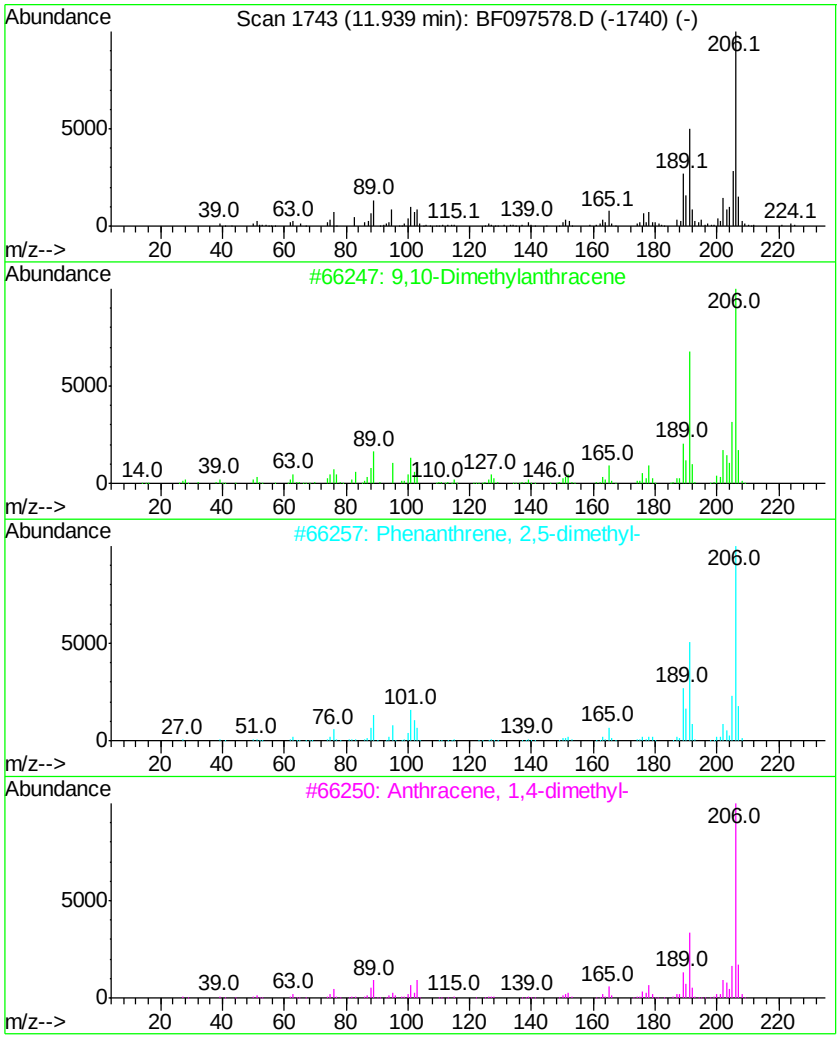
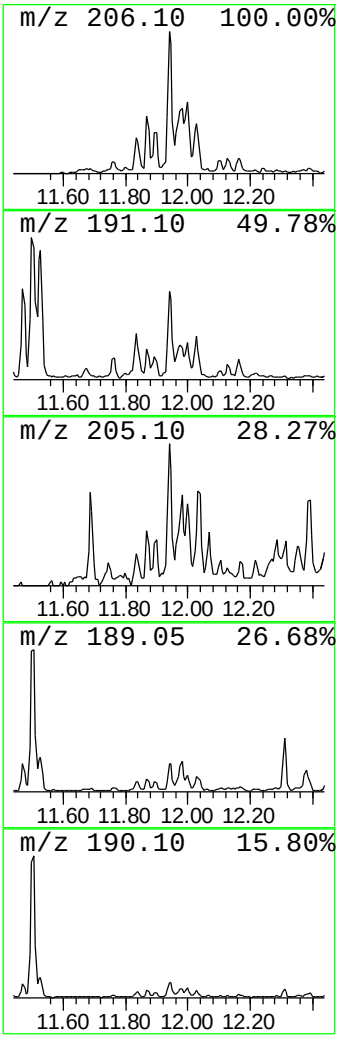
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	5.26 ng	191560	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	98
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89





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Sample : I4697-01 2X
Misc :
ALS Vial : 20 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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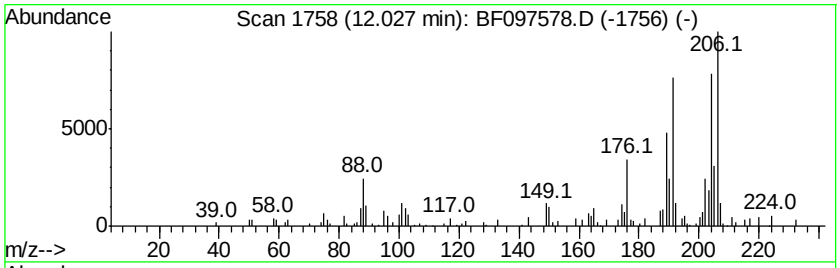
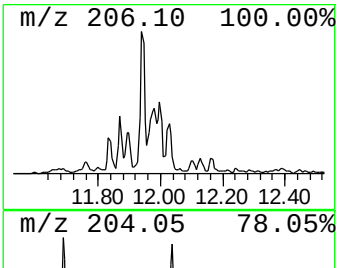
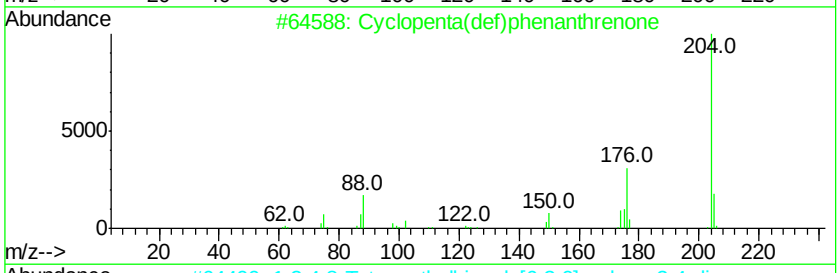
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 14

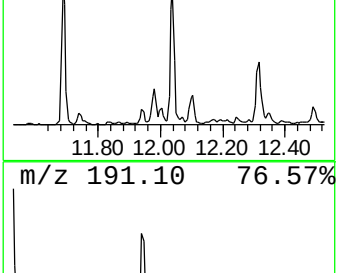
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	4.78 ng	174191	Phenanthrene-d10	10.89

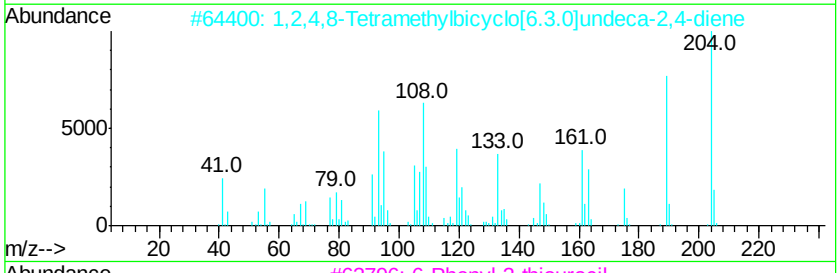
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
4	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	50
5	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	47

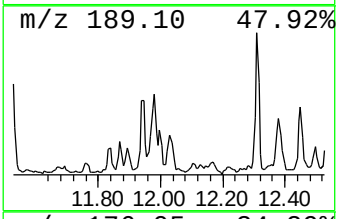


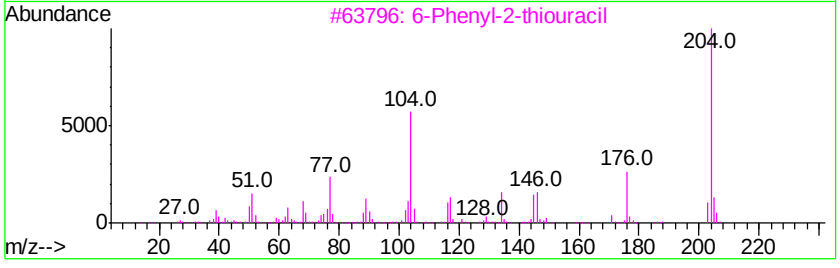


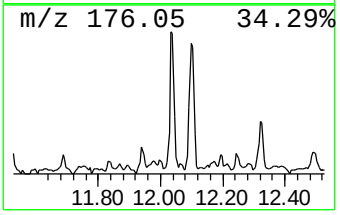












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Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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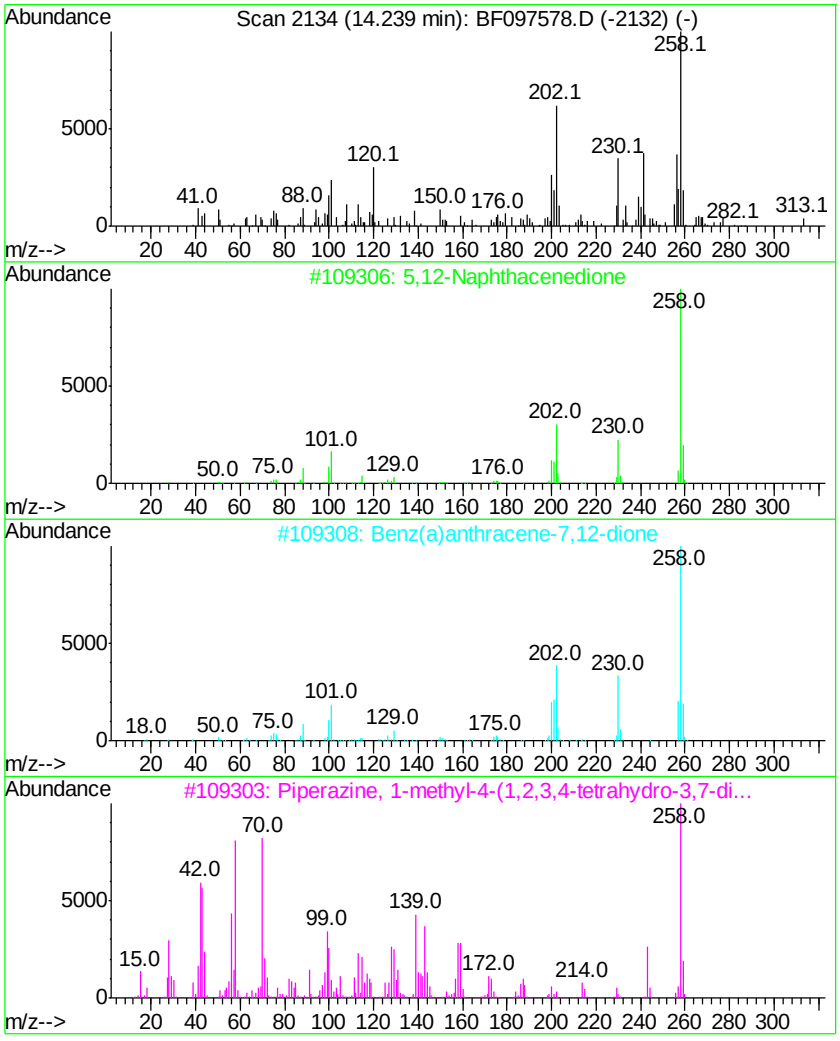
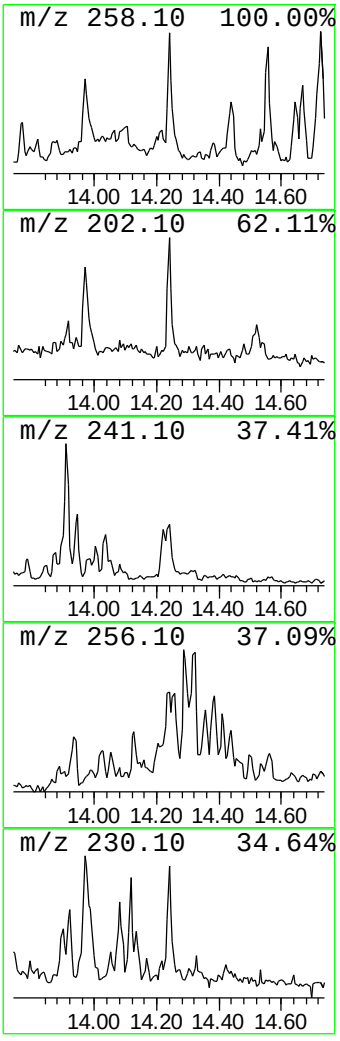
Peak Number 11 5,12-Naphthacenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	4.67 ng	94462	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	78
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	70
3	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	60
4	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	43
5	9,10-Anthracenedione, 1-chloro-4...	258	C14H7ClO3	000082-42-8	38





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Misc :
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

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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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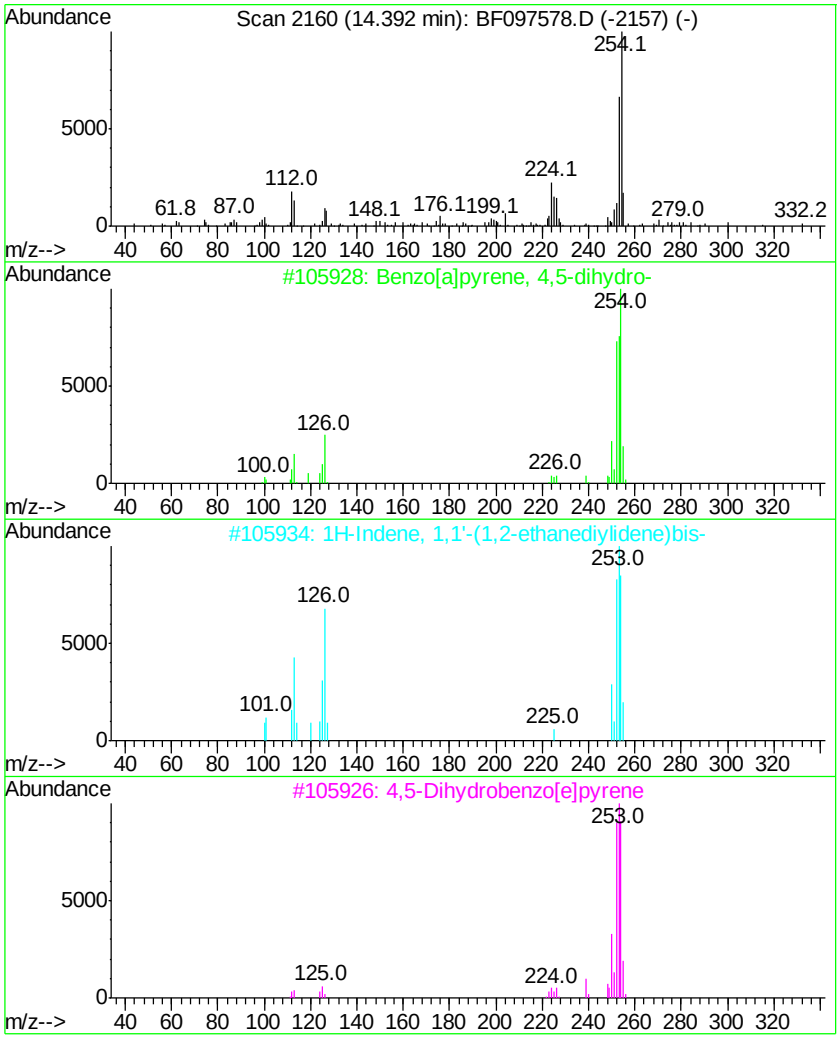
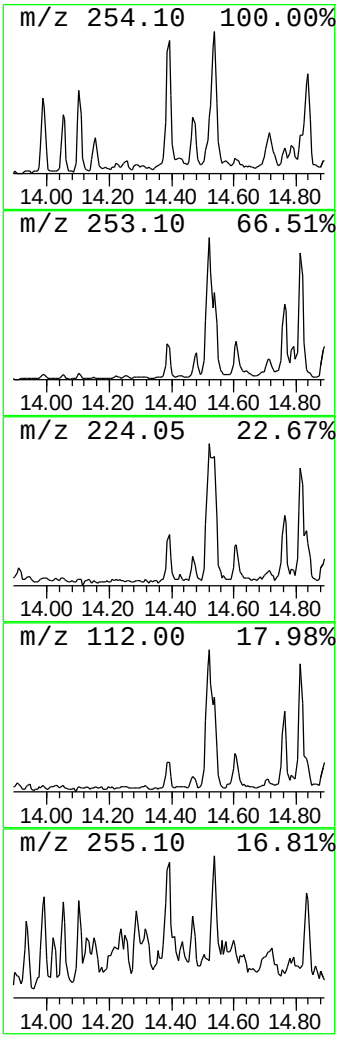
Peak Number 12 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	5.58 ng	112794	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
2	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	64
3	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	58
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	58
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

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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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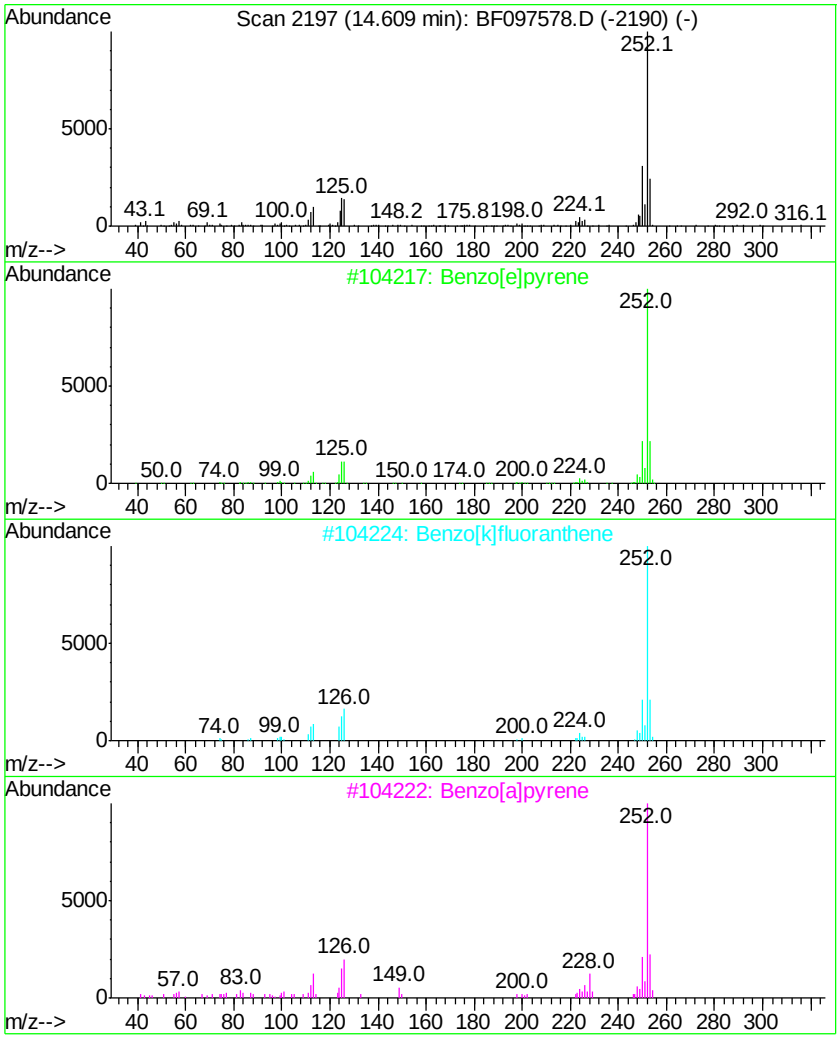
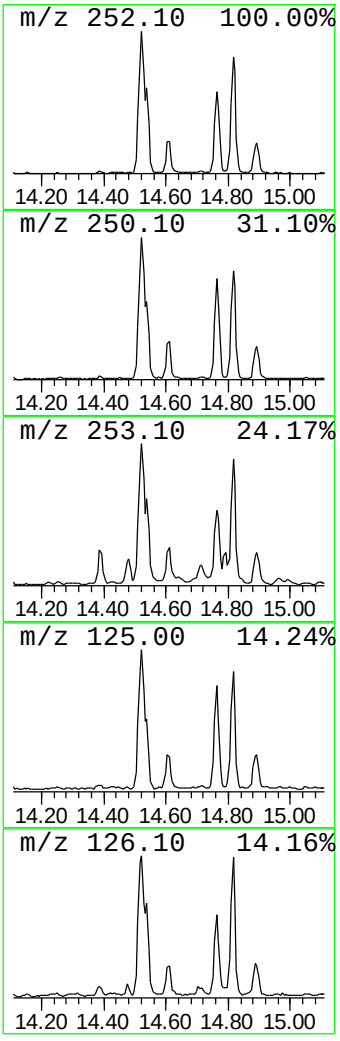
Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	14.15 ng	286219	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

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Sample : I4697-01 2X
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

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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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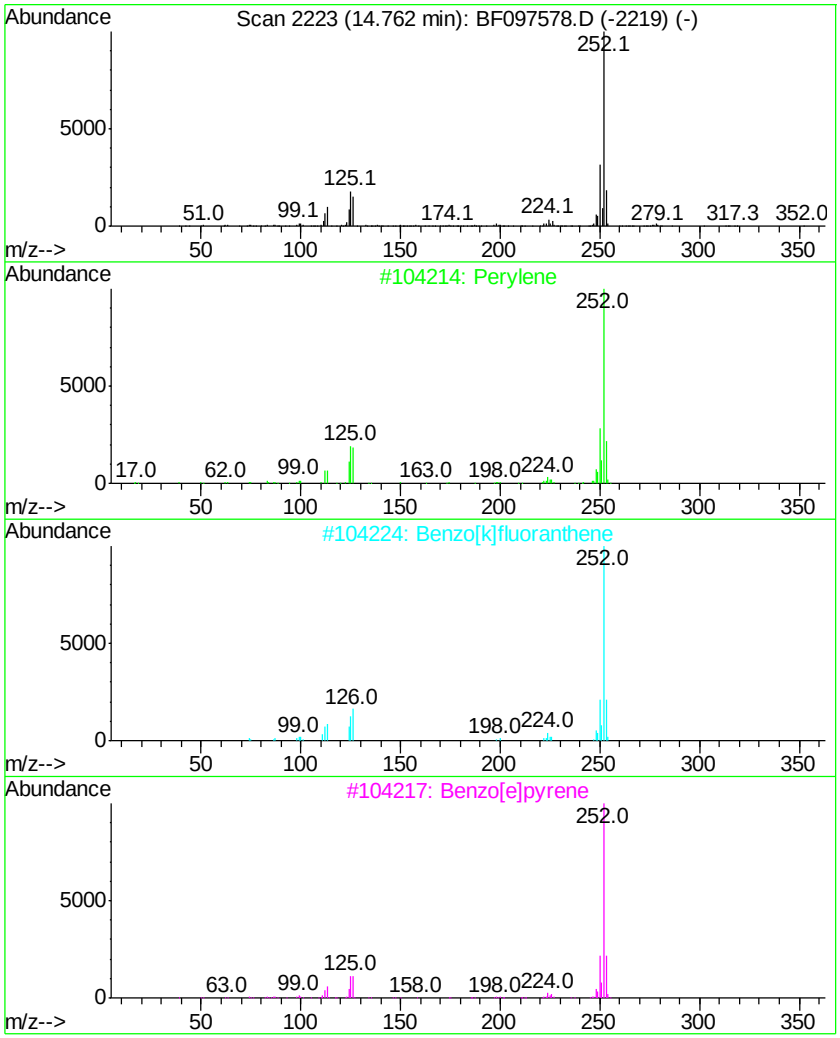
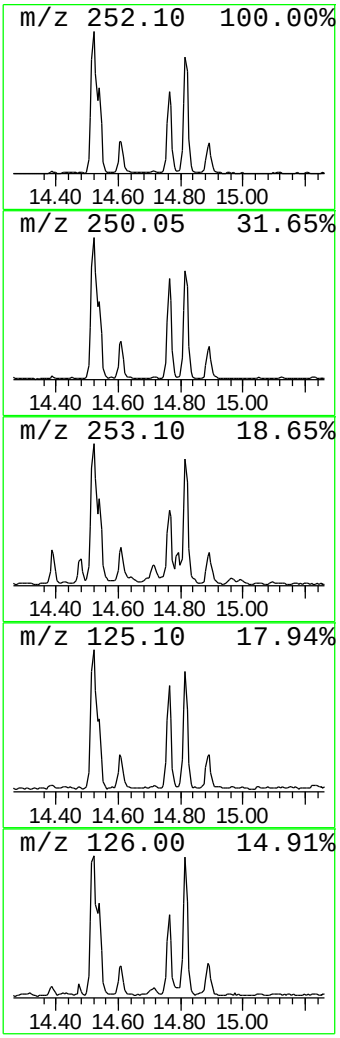
Peak Number 14 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	29.12 ng	588951	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	99
3	Benzo[e]pyrene	252	C20H12	000192-97-2	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	68





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

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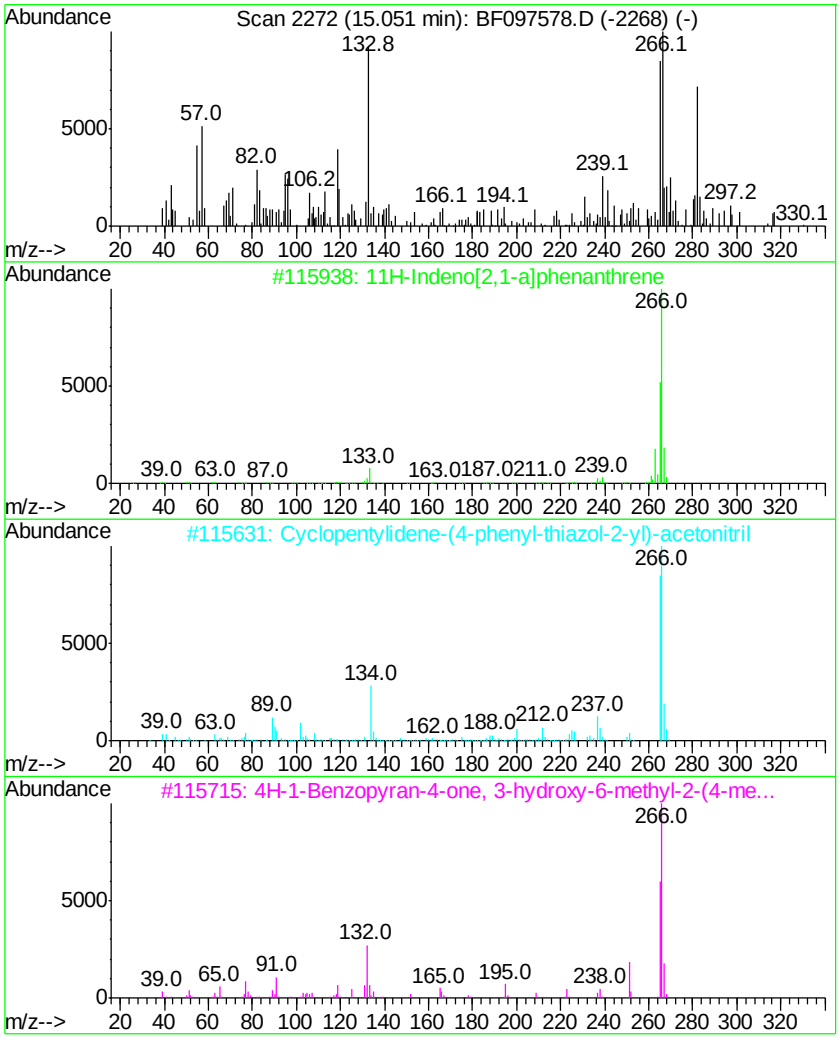
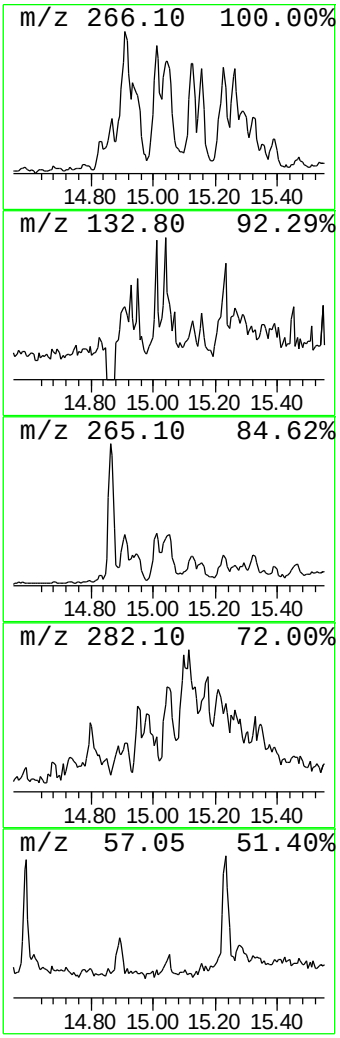
Peak Number 15 unknown15.05 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	6.09 ng	123191	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	49
2	Cyclopentylidene-(4-phenyl-thiaz...	266	C16H14N2S	1000300-05-0	38
3	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	38
4	4,6-Dimethyl-4'-hydroxy-2-benzyl...	266	C17H14O3	002567-73-9	27
5	2-Amino-3-cyano-5-[2-[3,4-methyl...	266	C14H10N4O2	1000252-72-1	27





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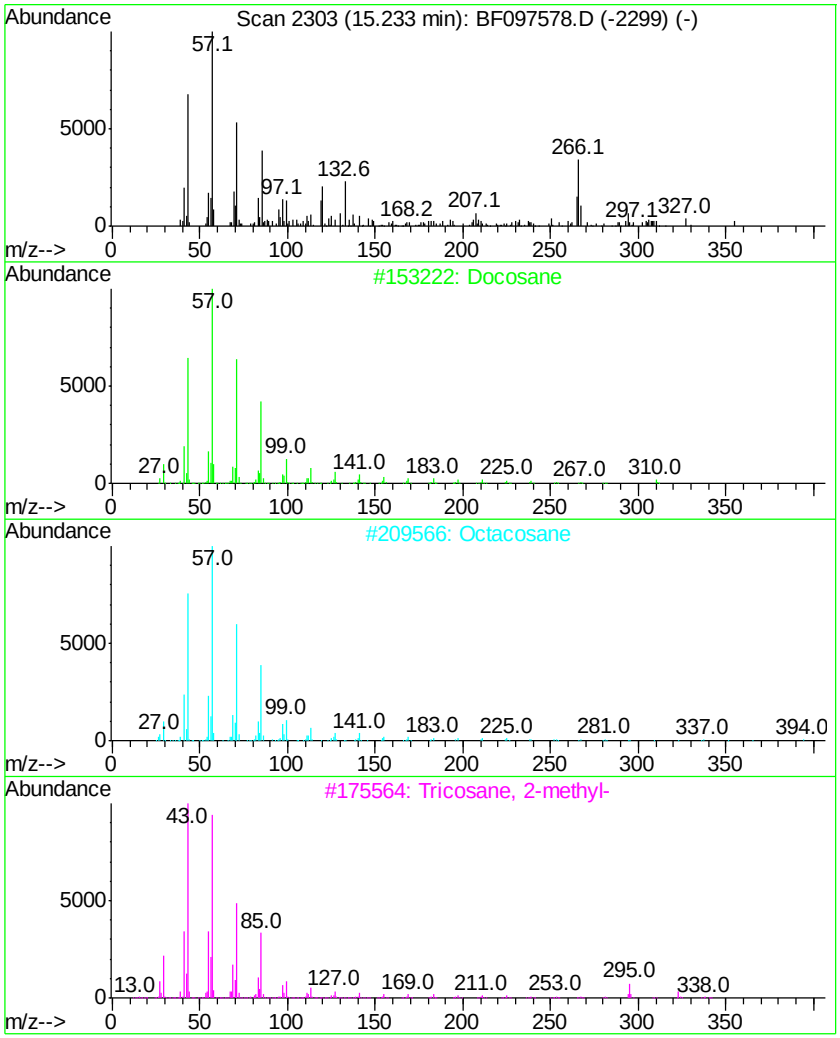
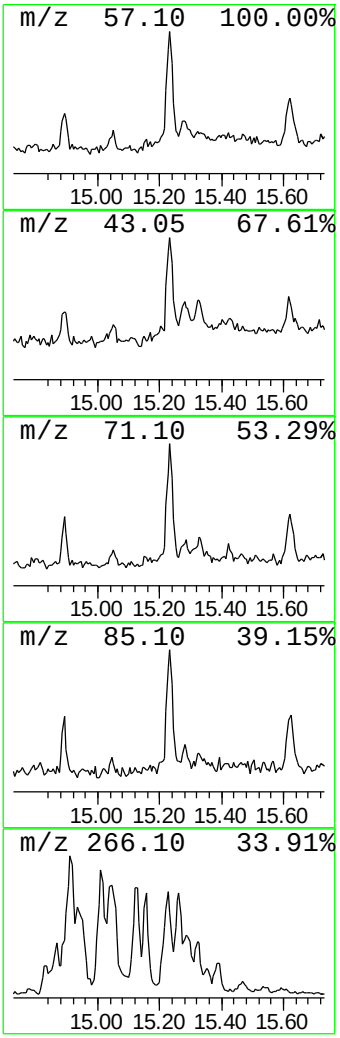
Peak Number 16 Docosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	6.50 ng	131538	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	86
2	Octacosane	394	C28H58	000630-02-4	41
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	38
4	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	38
5	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	38





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TIC Library : C:\DATABASE\NIST11.L
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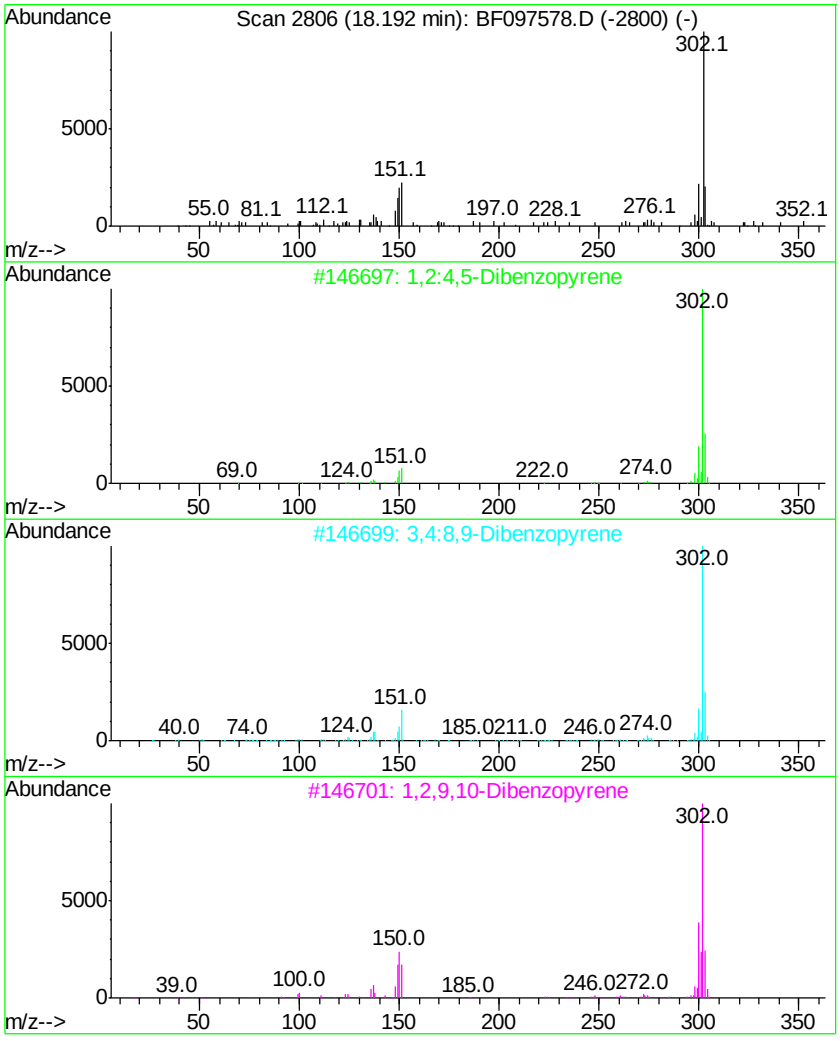
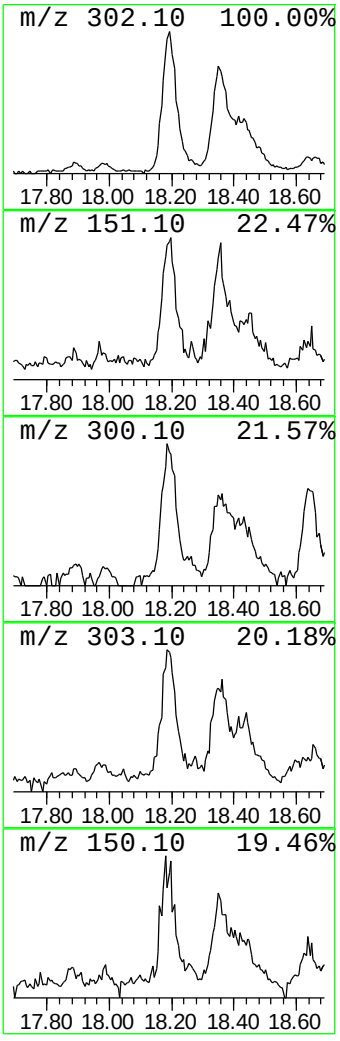
Peak Number 18 1,2:4,5-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	7.77 ng	157231	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	90
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	89
3	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	76
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	74
5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097578.D
Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

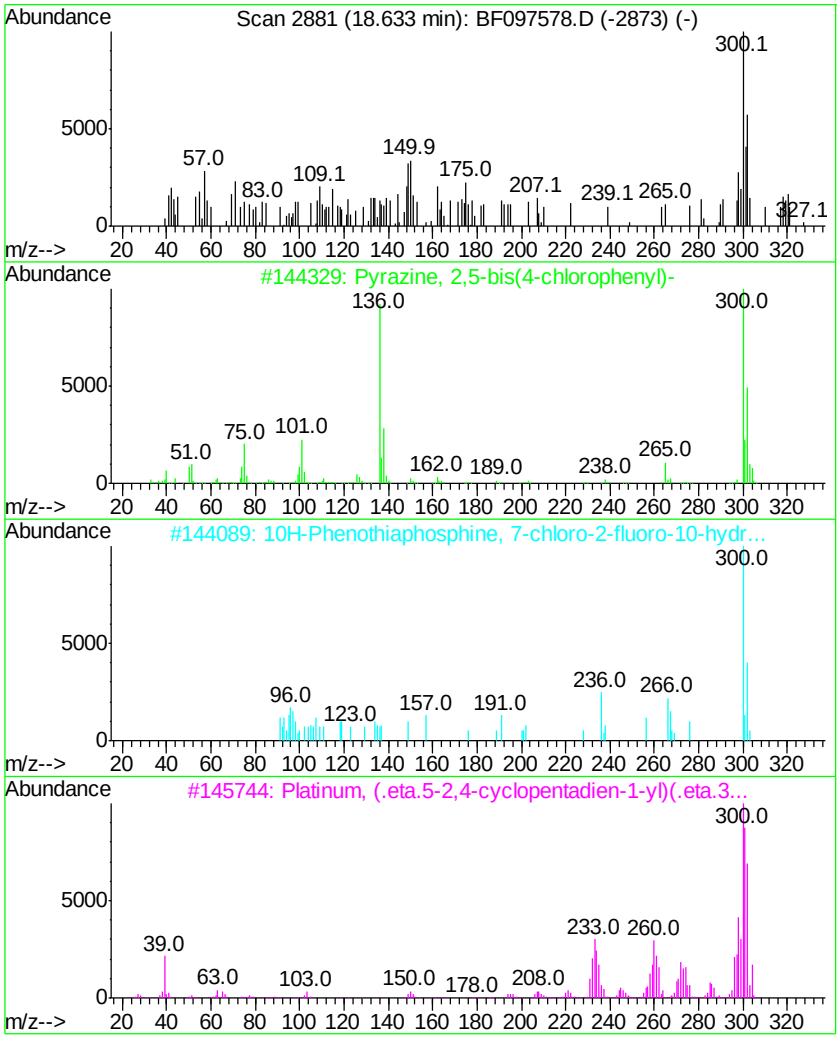
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

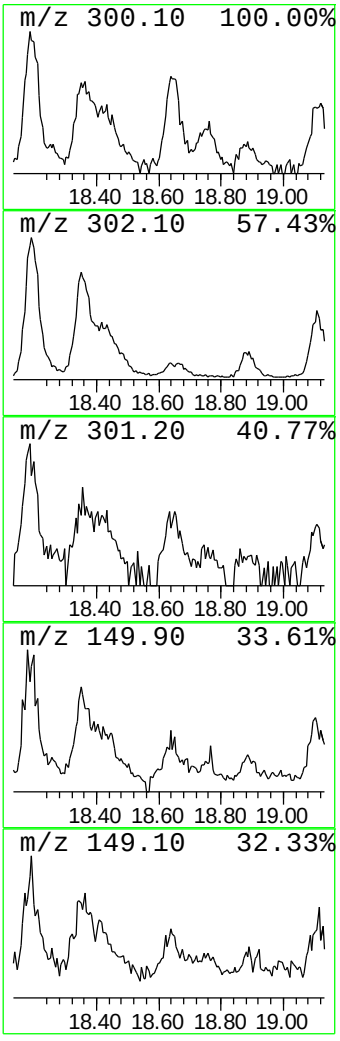
****

Peak Number 19 unknown18.63 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	4.69 ng	94856	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazine, 2,5-bis(4-chlorophenyl)-	300	C16H10Cl2N2	074376-33-3	43
2	10H-Phenothiaphosphine, 7-chloro...	300	C12H7ClFO2PS	054934-84-8	38
3	Platinum, (.eta.5-2,4-cyclopenta...	301	C8H10Pt	035770-29-7	38
4	p-[[3-Cyano-4-nitrophenyl]thiol]b...	300	C14H8N2O4S	074761-53-8	30
5	20,21-Dinoraspidospermidin-5-ol,...	300	C18H24N2O2	055162-77-1	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
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Acq On : 11 Aug 2017 00:38
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Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

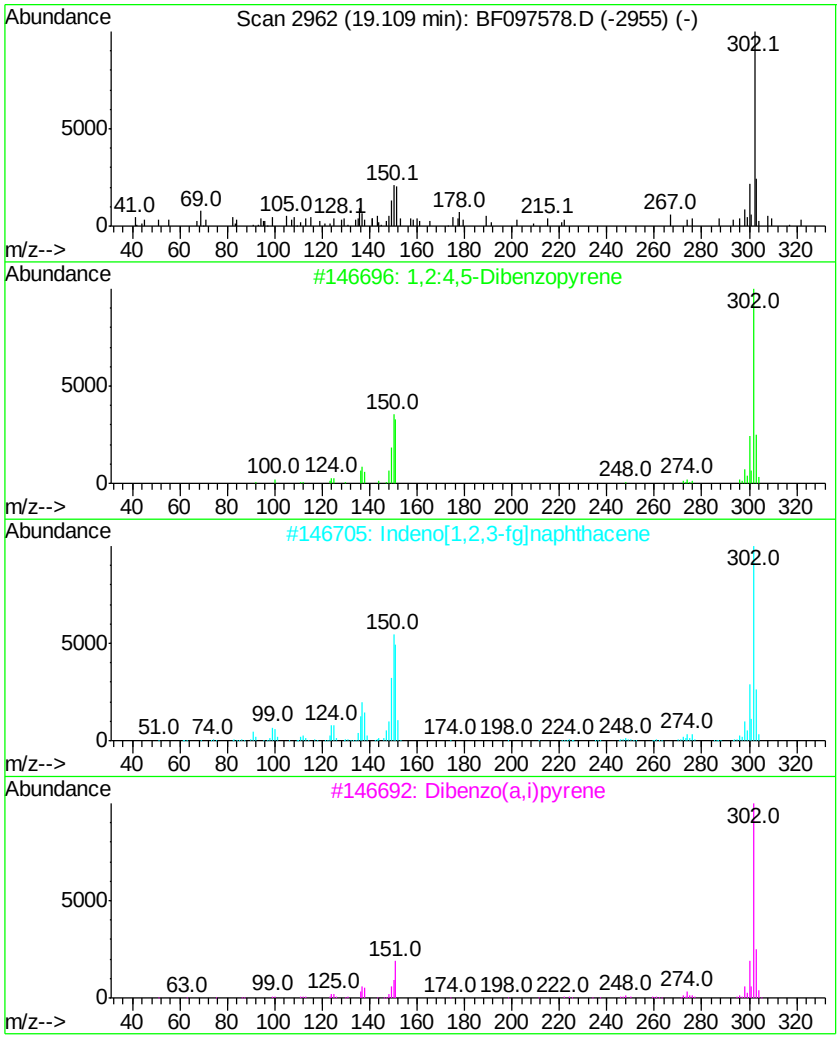
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

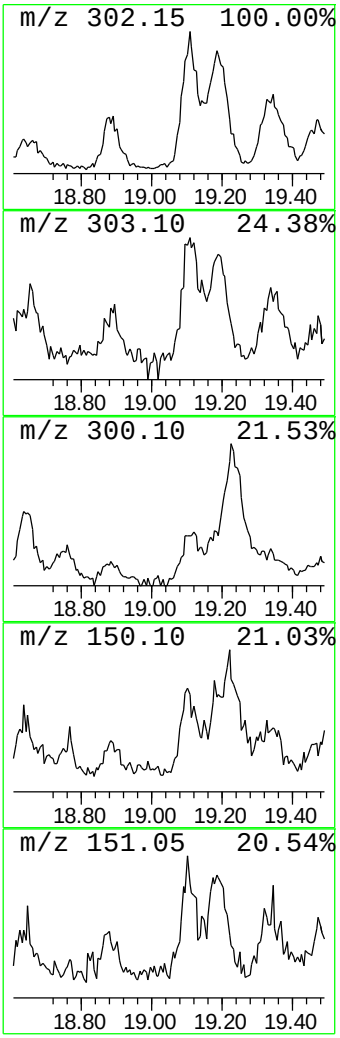
****

Peak Number 20 Indeno[1,2,3-fg]naphthacene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	4.53 ng	91596	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	81
2	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	76
3	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	68
4	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	62
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081017\
Data File : BF097578.D
Acq On : 11 Aug 2017 00:38
Operator : SJ/JU
Sample : I4697-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-1A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
unknown6.17	6.17	29.3	ng	944108	1	6.39	644669	20.0
Phenanthrene, 2-m...	11.39	5.6	ng	205564	4	10.89	728899	20.0
Phenanthrene, 1-m...	11.42	6.8	ng	249524	4	10.89	728899	20.0
Anthracene, 2-met...	11.47	4.1	ng	149082	4	10.89	728899	20.0
Benzaldehyde, 3,5...	11.50	9.4	ng	342200	4	10.89	728899	20.0
Phenanthrene, 4-m...	11.53	4.7	ng	172004	4	10.89	728899	20.0
9,10-Dimethylanth...	11.94	5.3	ng	191560	4	10.89	728899	20.0
Cyclopenta(def)ph...	12.03	4.8	ng	174191	4	10.89	728899	20.0
5,12-Naphthacened...	14.24	4.7	ng	94462	6	14.86	404509	20.0
Benzo[a]pyrene, 4...	14.39	5.6	ng	112794	6	14.86	404509	20.0
Benzo[e]pyrene	14.61	14.2	ng	286219	6	14.86	404509	20.0
Perylene	14.76	29.1	ng	588951	6	14.86	404509	20.0
unknown15.05	15.05	6.1	ng	123191	6	14.86	404509	20.0
Docosane	15.23	6.5	ng	131538	6	14.86	404509	20.0
1,2:4,5-Dibenzopy...	18.19	7.8	ng	157231	6	14.86	404509	20.0
unknown18.63	18.63	4.7	ng	94856	6	14.86	404509	20.0
Indeno[1,2,3-fg]n...	19.11	4.5	ng	91596	6	14.86	404509	20.0