LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099407.D
Acq On : 12 Oct 2017 21:00
Operator : SJ/JU
Sample : I5729-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 4W-(2-3)

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-BF092317.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	2.134	6	8	27	rVB4	66543	165484	7.51%	0.523%
2	3.934	309	314	321	rVB	27809	37615	1.71%	0.119%
3	5.075	505	508	520	rBV	259997	325939	14.79%	1.030%
4	5.475	572	576	593	rVB	1883862	1905813	86.48%	6.023%
5	6.486	743	748	767	rBV	1950627	1986028	90.12%	6.277%
6	6.622	767	771	775	rBV	2132679	1994216	90.49%	6.303%
7	6.851	807	810	817	rBV	833775	672255	30.50%	2.125%
8	7.010	833	837	840	rBV	1764723	1597641	72.50%	5.049%
9	7.416	902	906	909	rBV	1342216	1178614	53.48%	3.725%
10	8.133	1024	1028	1031	rBV	1083926	880505	39.95%	2.783%
11	8.686	1119	1122	1125	rBV	79216	64344	2.92%	0.203%
12	8.845	1146	1149	1154	rVB	51495	39316	1.78%	0.124%
13	8.945	1162	1166	1171	rBV	57887	46468	2.11%	0.147%
14	9.210	1206	1211	1214	rBV	2332047	2203768	100.00%	6.965%
15	9.469	1252	1255	1259	rVB	24254	30317	1.38%	0.096%
16	9.545	1264	1268	1270	rVV	62336	55826	2.53%	0.176%
17	9.598	1274	1277	1284	rVV	292092	227935	10.34%	0.720%
18	9.663	1284	1288	1297	rVB	35981	39575	1.80%	0.125%
19	9.886	1320	1326	1329	rBV2	963021	842507	38.23%	2.663%
20	9.922	1329	1332	1335	rVB	156361	138312	6.28%	0.437%
21	10.092	1357	1361	1364	rVV2	91353	90486	4.11%	0.286%
22	10.127	1364	1367	1371	rVB	33991	28823	1.31%	0.091%
23	10.204	1376	1380	1382	rBV2	26833	25170	1.14%	0.080%
24	10.292	1388	1395	1396	rBV3	24124	30087	1.37%	0.095%
25	10.433	1415	1419	1424	rBV	137146	118898	5.40%	0.376%
26	10.522	1432	1434	1436	rVB3	33352	25205	1.14%	0.080%
27	10.598	1443	1447	1451	rVB2	238429	209378	9.50%	0.662%
28	10.674	1457	1460	1465	rBV	948900	900003	40.84%	2.844%
29	10.780	1475	1478	1479	rBV2	30570	30105	1.37%	0.095%
30	10.980	1505	1512	1515	rBV3	42299	66565	3.02%	0.210%
31	11.104	1529	1533	1535	rBV3	28974	42893	1.95%	0.136%
32	11.127	1535	1537	1543	rVV3	36979	49667	2.25%	0.157%
33	11.180	1543	1546	1549	rVV	86547	78927	3.58%	0.249%
34	11.227	1550	1554	1557	rVV3	57271	73062	3.32%	0.231%

LSC Area Percent Report

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Acq On : 12 Oct 2017 21:00
Operator : SJ/JU
Sample : I5729-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 4W-(2-3)

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.269	1557	1561	1566	rVB	81433	86296	3.92%	0.273%
36	11.374	1575	1579	1581	rBV	796072	692405	31.42%	2.188%
37	11.398	1581	1583	1587	rVV	1341356	1145111	51.96%	3.619%
38	11.451	1587	1592	1595	rVB	281097	235014	10.66%	0.743%
39	11.604	1614	1618	1624	rBV2	115124	145732	6.61%	0.461%
40	11.704	1632	1635	1640	rVB2	46561	48147	2.18%	0.152%
41	11.874	1660	1664	1666	rBV	228190	189195	8.59%	0.598%
42	11.904	1666	1669	1671	rVV	295677	249324	11.31%	0.788%
43	11.927	1671	1673	1675	rVV	96130	70614	3.20%	0.223%
44	11.951	1675	1677	1680	rVV	89875	68558	3.11%	0.217%
45	11.986	1680	1683	1685	rVV2	256441	270503	12.27%	0.855%
46	12.010	1685	1687	1690	rVB	163067	124118	5.63%	0.392%
47	12.057	1692	1695	1697	rBV2	50068	43203	1.96%	0.137%
48	12.168	1711	1714	1717	rBV	128329	107853	4.89%	0.341%
49	12.198	1717	1719	1724	rVB	115203	107803	4.89%	0.341%
50	12.316	1734	1739	1742	rBV3	61131	82626	3.75%	0.261%
51	12.351	1742	1745	1747	rVV	50188	52012	2.36%	0.164%
52	12.374	1747	1749	1751	rVB	44931	35802	1.62%	0.113%
53	12.421	1753	1757	1760	rBV	147358	157762	7.16%	0.499%
54	12.463	1760	1764	1766	rVV4	71142	116645	5.29%	0.369%
55	12.515	1769	1773	1777	rVV3	95066	108434	4.92%	0.343%
56	12.592	1781	1786	1789	rBV	1368286	1282418	58.19%	4.053%
57	12.651	1794	1796	1799	rVB2	48749	36089	1.64%	0.114%
58	12.721	1804	1808	1809	rBV3	34362	40268	1.83%	0.127%
59	12.739	1809	1811	1813	rVB	50434	39283	1.78%	0.124%
60	12.821	1818	1825	1828	rBV	1227812	1346630	61.11%	4.256%
61	12.868	1830	1833	1836	rVB2	82198	90859	4.12%	0.287%
62	12.957	1840	1848	1851	rBV	1658313	1547846	70.24%	4.892%
63	13.039	1856	1862	1865	rBV2	95048	172069	7.81%	0.544%
64	13.121	1872	1876	1877	rBV2	95548	97624	4.43%	0.309%
65	13.145	1877	1880	1883	rVB	152823	151176	6.86%	0.478%
66	13.210	1888	1891	1893	rBV	73220	52802	2.40%	0.167%
67	13.251	1893	1898	1900	rBV2	127768	138576	6.29%	0.438%
68	13.304	1905	1907	1909	rVB2	31292	24533	1.11%	0.078%
69	13.339	1910	1913	1916	rBV2	81397	71332	3.24%	0.225%
70	13.374	1916	1919	1922	rBV	92647	87503	3.97%	0.277%
71	13.457	1931	1933	1937	rVB	39291	33315	1.51%	0.105%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5729-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 4W-(2-3)

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.521	1937	1944	1946	rBV5	32348	75122	3.41%	0.237%
73	13.562	1949	1951	1954	rVB2	32300	35693	1.62%	0.113%
74	13.627	1959	1962	1964	rBV4	33014	40755	1.85%	0.129%
75	13.657	1964	1967	1972	rVB	143420	133729	6.07%	0.423%
76	13.762	1981	1985	1988	rBV	148455	176230	8.00%	0.557%
77	13.792	1988	1990	1992	rVV	119092	101066	4.59%	0.319%
78	13.815	1992	1994	1995	rVV	89044	74649	3.39%	0.236%
79	13.839	1995	1998	2000	rVV3	146763	184526	8.37%	0.583%
80	13.862	2000	2002	2006	rVB	160776	137736	6.25%	0.435%
81	14.015	2023	2028	2031	rBV2	913437	1339934	60.80%	4.235%
82	14.045	2031	2033	2036	rVB	548398	434320	19.71%	1.373%
83	14.121	2044	2046	2048	rVB	76919	50338	2.28%	0.159%
84	14.245	2063	2067	2070	rBV2	60635	66101	3.00%	0.209%
85	14.362	2084	2087	2089	rBV2	52191	49515	2.25%	0.156%
86	14.398	2091	2093	2096	rVV	140061	122603	5.56%	0.387%
87	14.433	2096	2099	2102	rVV	78740	68249	3.10%	0.216%
88	14.527	2112	2115	2117	rBV	56053	50986	2.31%	0.161%
89	14.715	2145	2147	2149	rBV2	47470	43758	1.99%	0.138%
90	14.751	2151	2153	2157	rVB3	75425	79464	3.61%	0.251%
91	14.898	2175	2178	2185	rVB2	52681	76877	3.49%	0.243%
92	15.056	2201	2205	2208	rBV	433355	643785	29.21%	2.035%
93	15.162	2220	2223	2228	rBV	74468	97036	4.40%	0.307%
94	15.362	2253	2257	2263	rVB	254285	322879	14.65%	1.020%
95	15.427	2264	2268	2272	rVB	357183	413191	18.75%	1.306%
96	15.486	2273	2278	2281	rVV	447340	565848	25.68%	1.788%
97	15.515	2281	2283	2291	rVB2	108944	154970	7.03%	0.490%
98	15.909	2347	2350	2356	rBV5	29241	47193	2.14%	0.149%
99	16.968	2524	2530	2540	rVB2	132223	295161	13.39%	0.933%
100	17.415	2601	2606	2617	rVB	97622	207333	9.41%	0.655%

Sum of corrected areas: 31640274

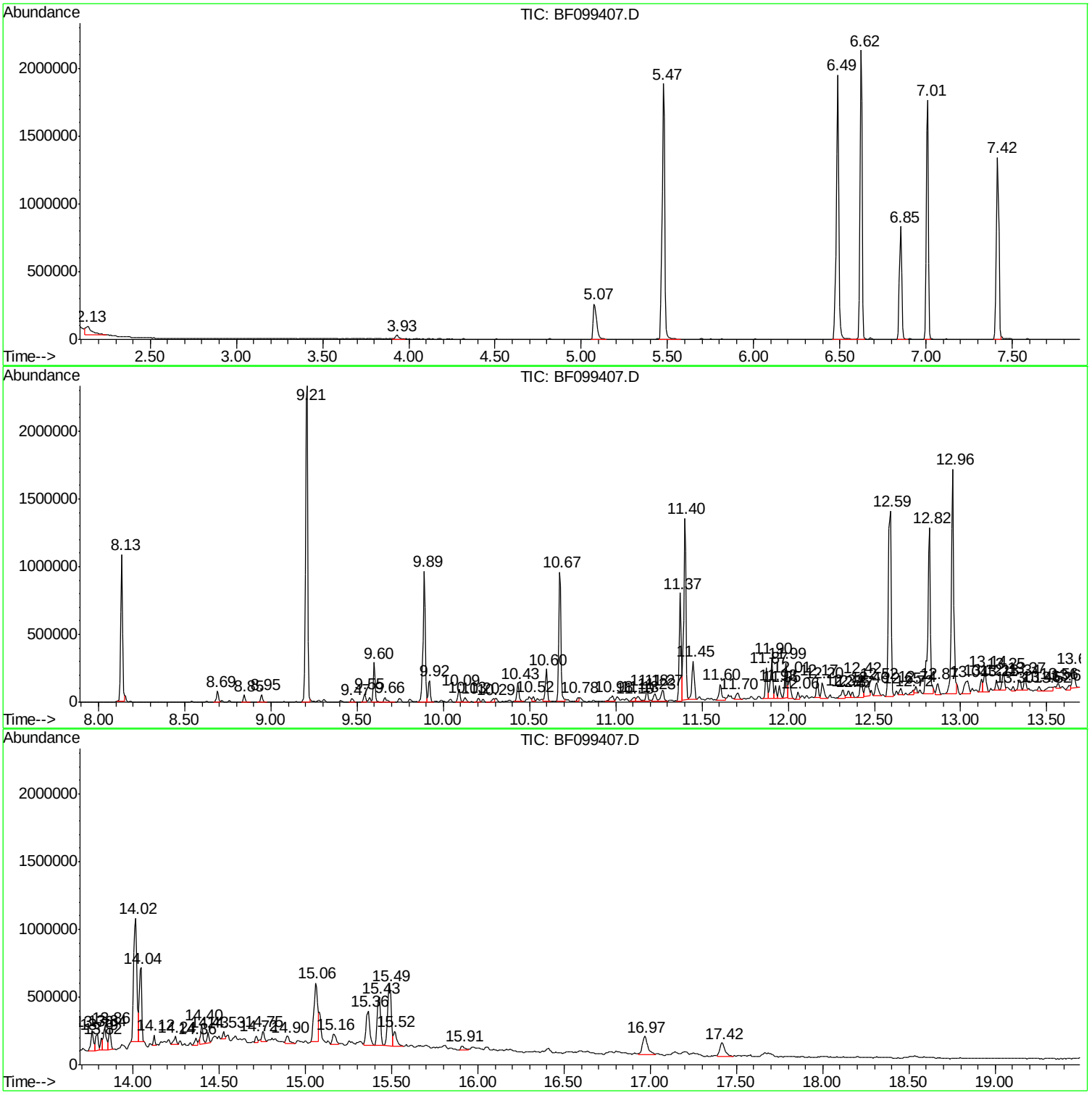
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099407.D
Acq On : 12 Oct 2017 21:00
Operator : SJ/JU
Sample : I5729-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
4W-(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
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Misc :
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Instrument : BNA_F
ClientSampleId : 4W-(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

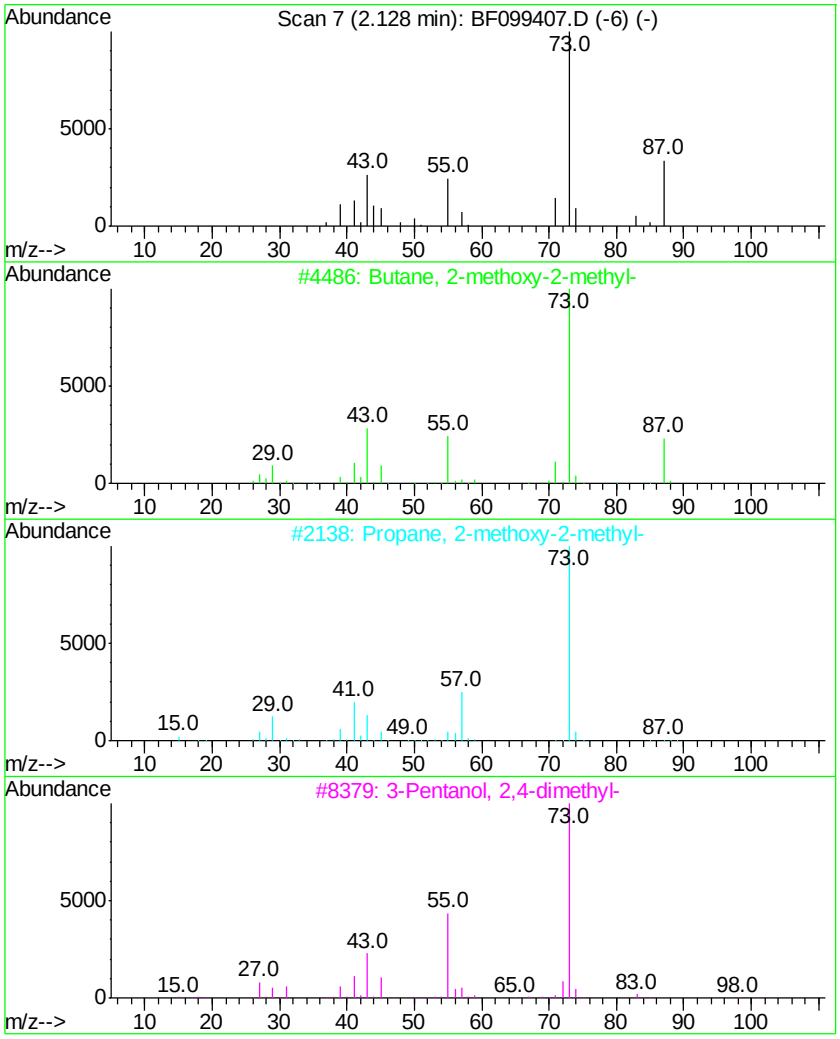
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

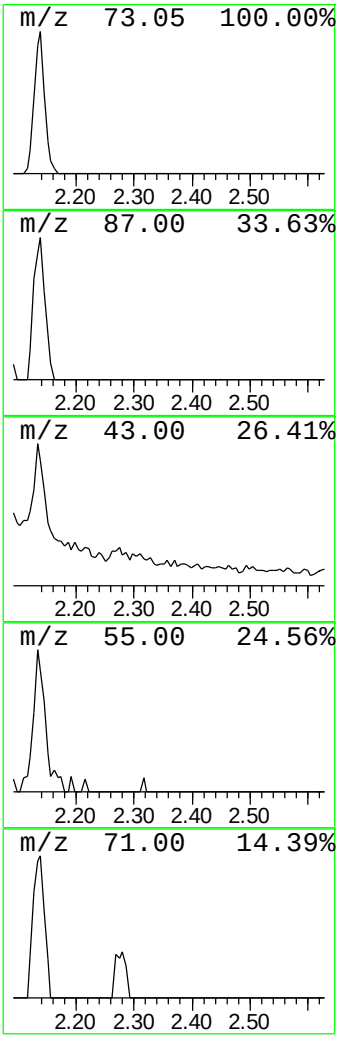
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	4.92 ng	165484	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	17
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	9
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099407.D
Acq On : 12 Oct 2017 21:00
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Sample : I5729-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 4W-(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

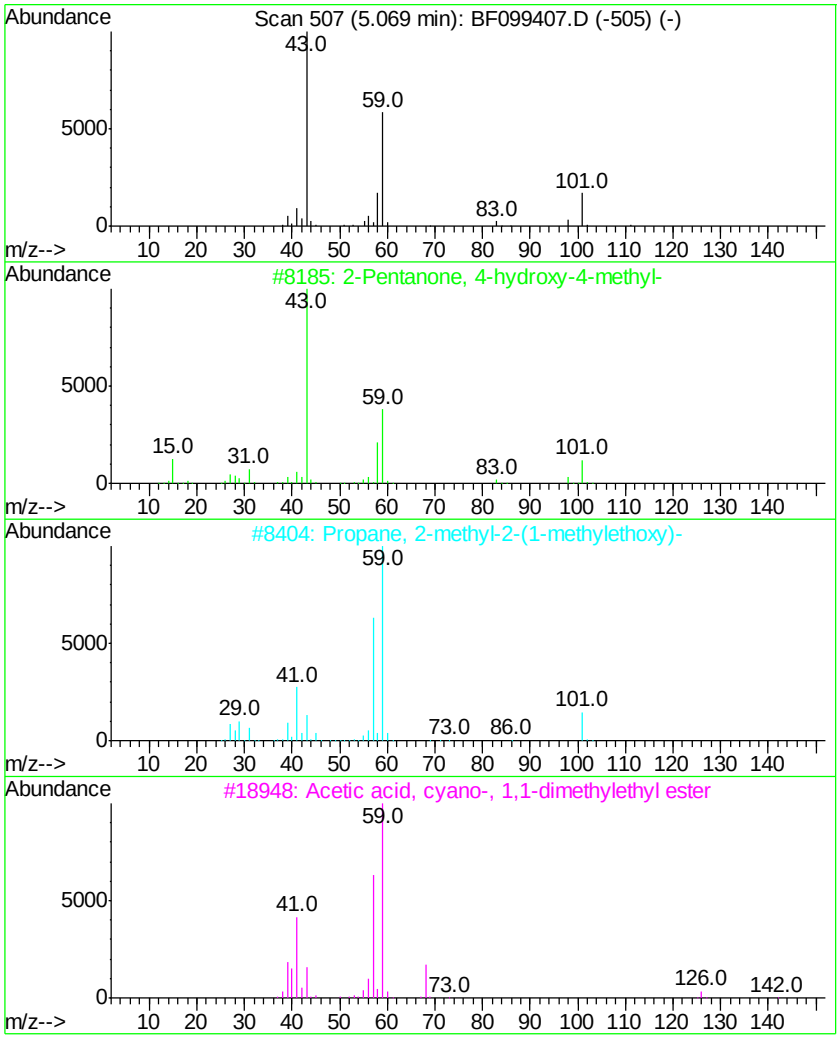
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

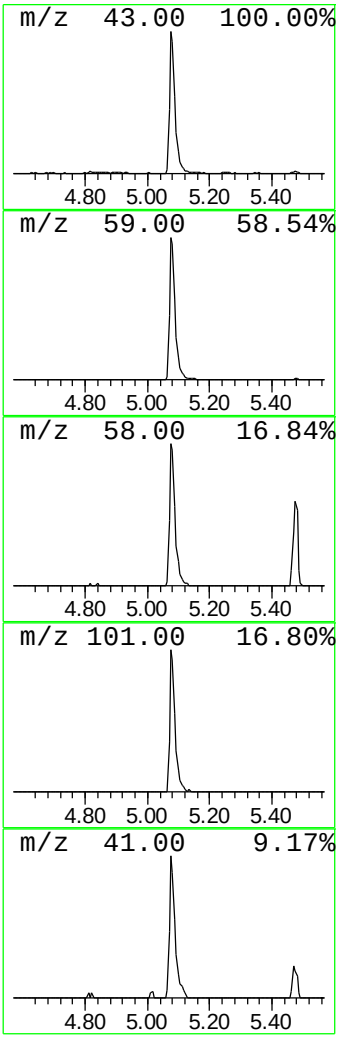
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	9.70 ng	325939	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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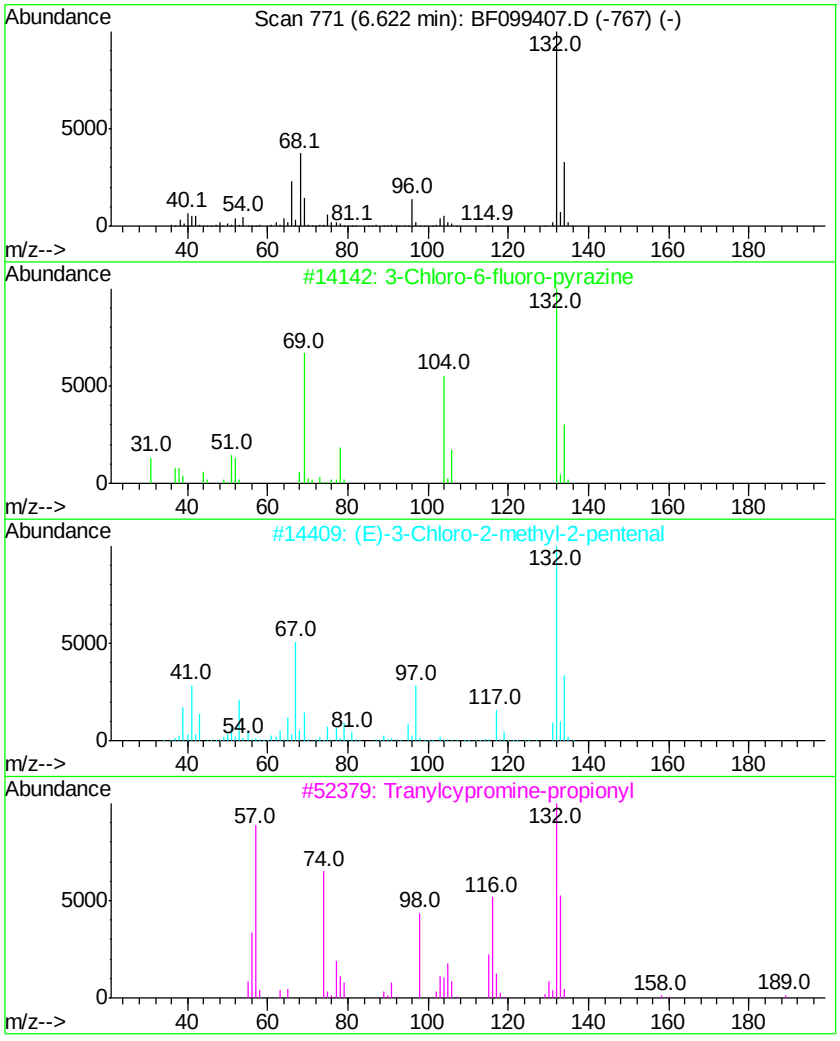
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

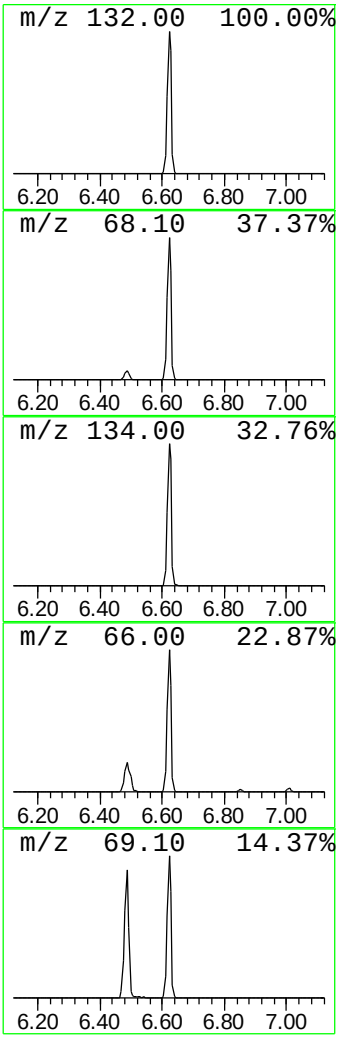
****

Peak Number 3 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	59.33 ng	1994220	1,4-Dichlorobenzene-d4	6.85

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	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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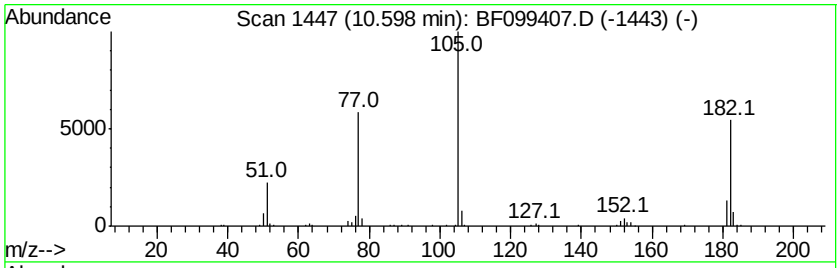
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

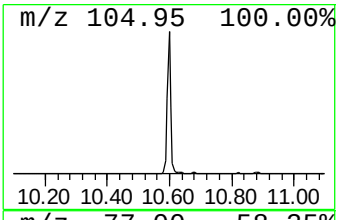
****

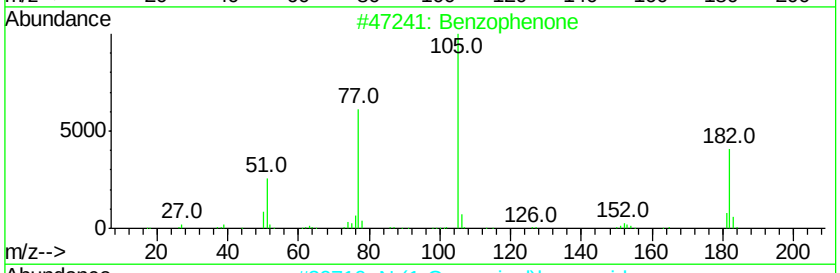
Peak Number 5 Benzophenone Concentration Rank 7

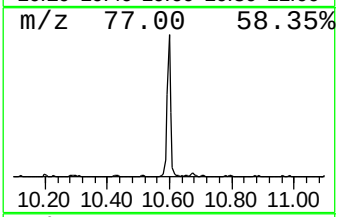
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	4.97 ng	209378	Acenaphthene-d10	9.89

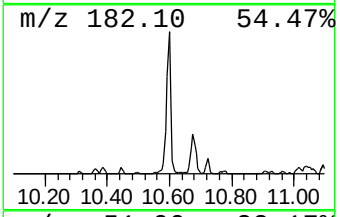
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
3	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47
4	Benzoyl bromide	184	C7H5BrO	000618-32-6	47
5	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47

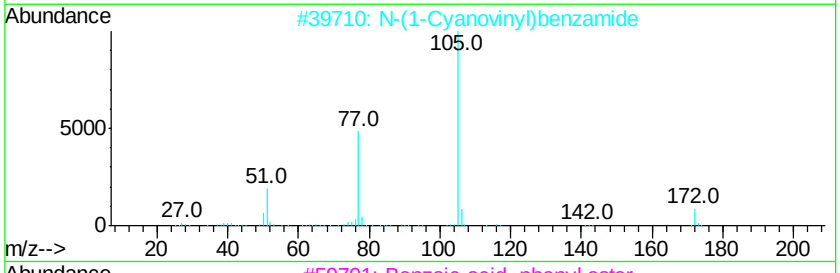


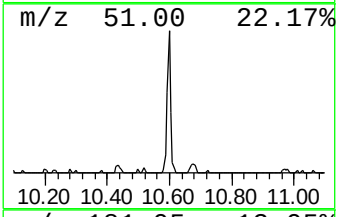


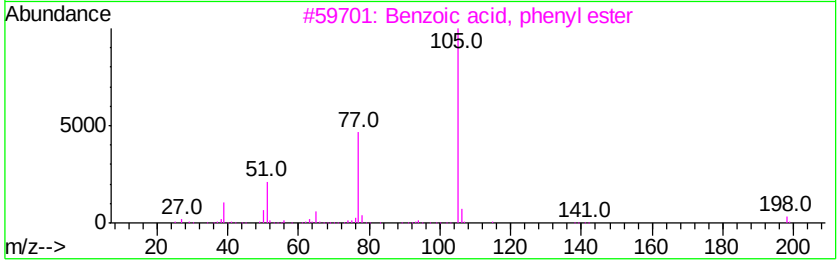


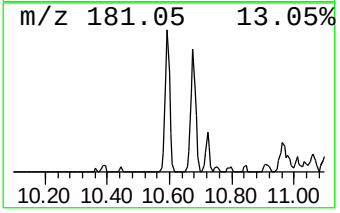












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Sample : I5729-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 4W-(2-3)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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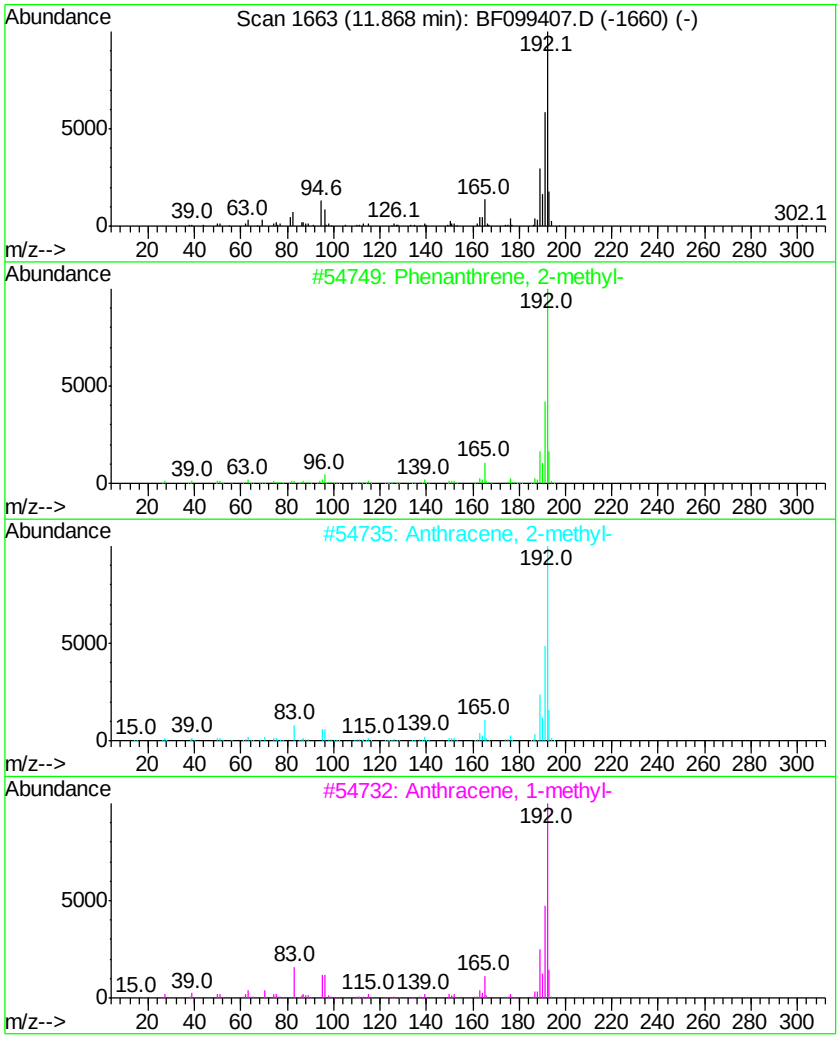
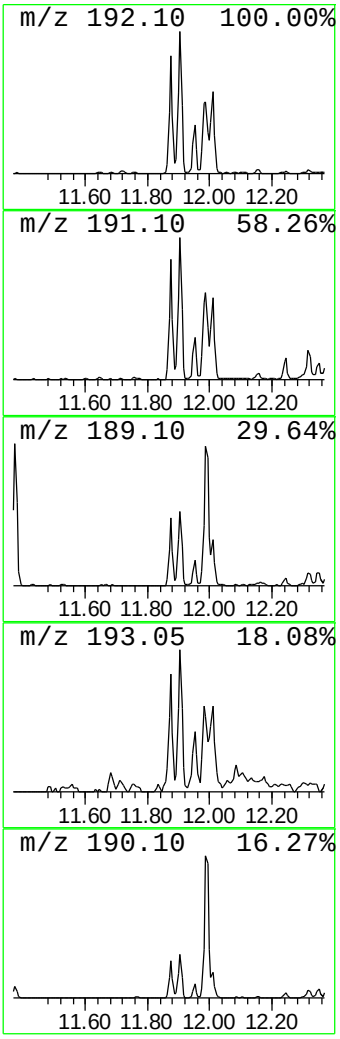
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	5.46 ng	189195	Phenanthrene-d10	11.37

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





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Instrument : BNA_F
ClientSampleId : 4W-(2-3)

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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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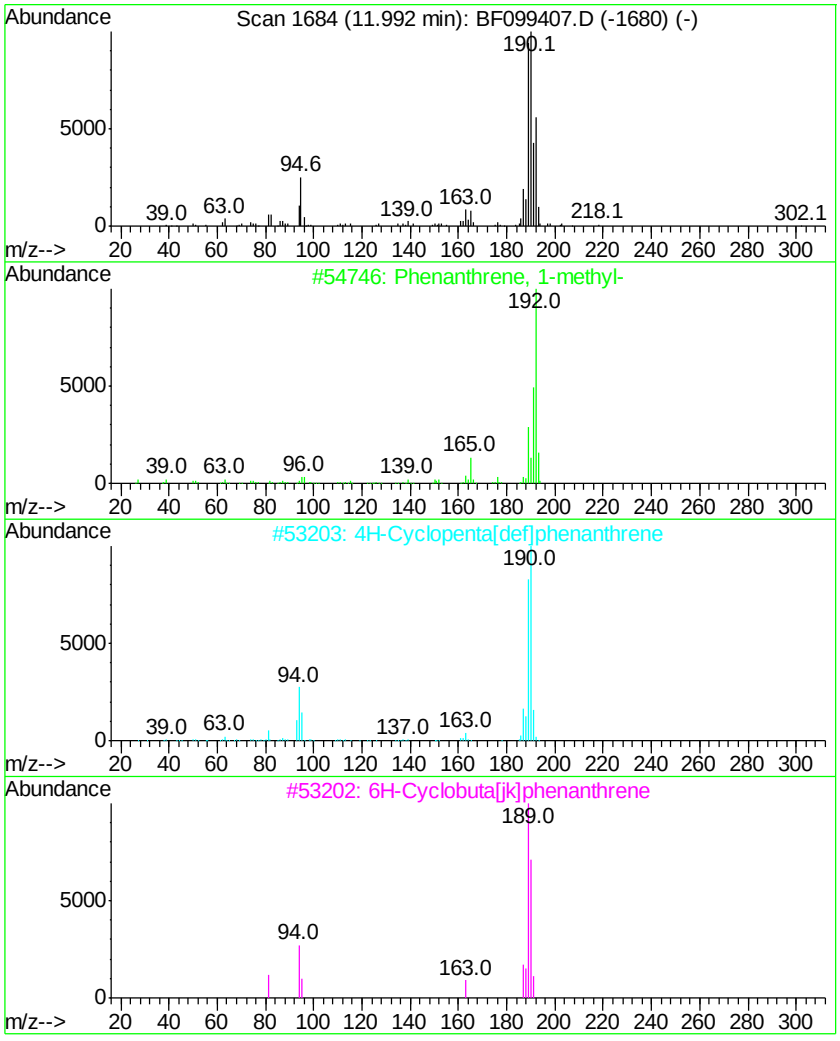
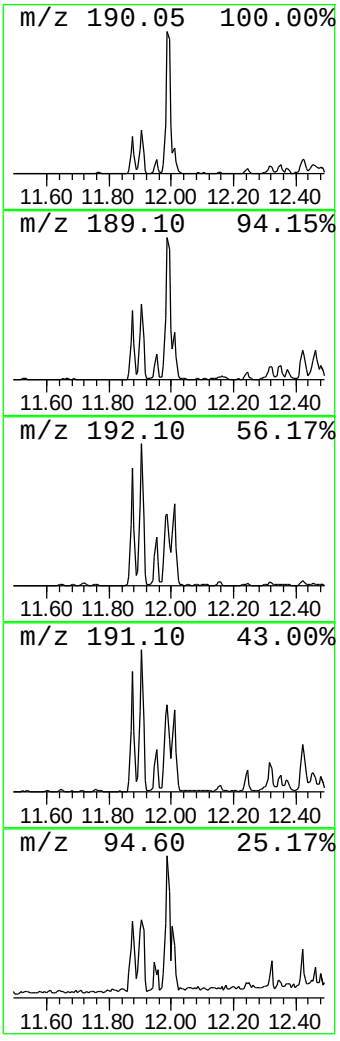
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	7.81 ng	270503	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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Instrument : BNA_F
ClientSampleId : 4W-(2-3)

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

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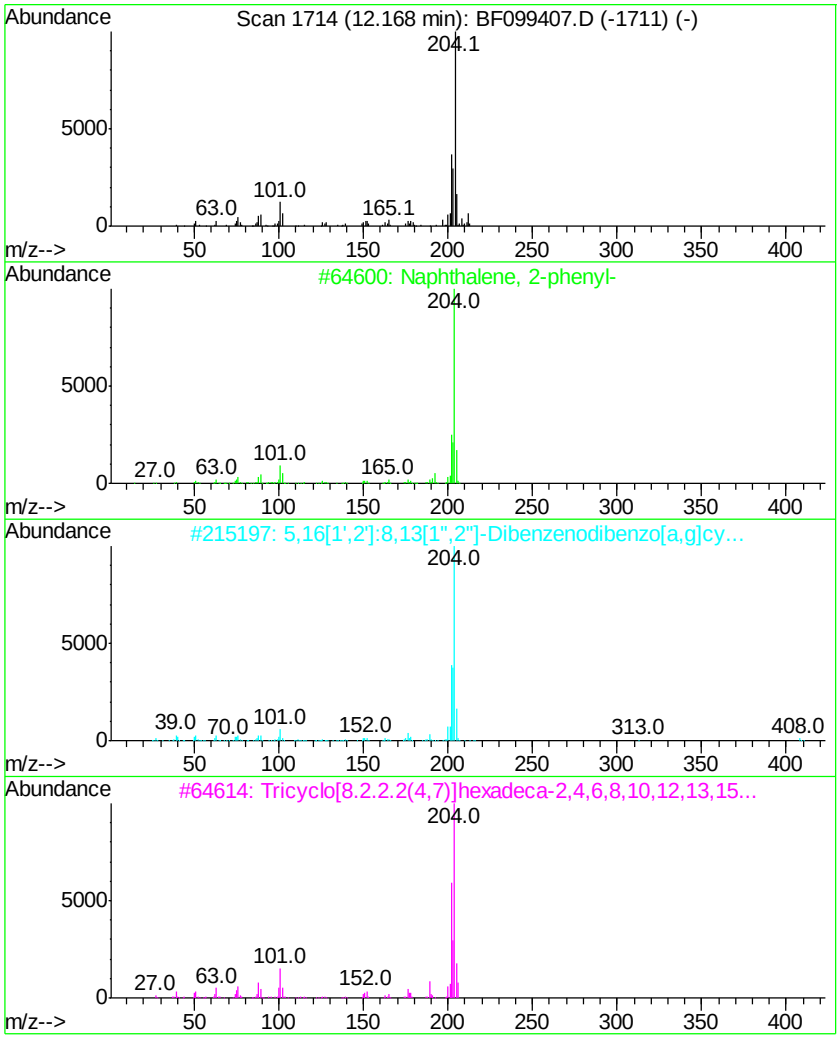
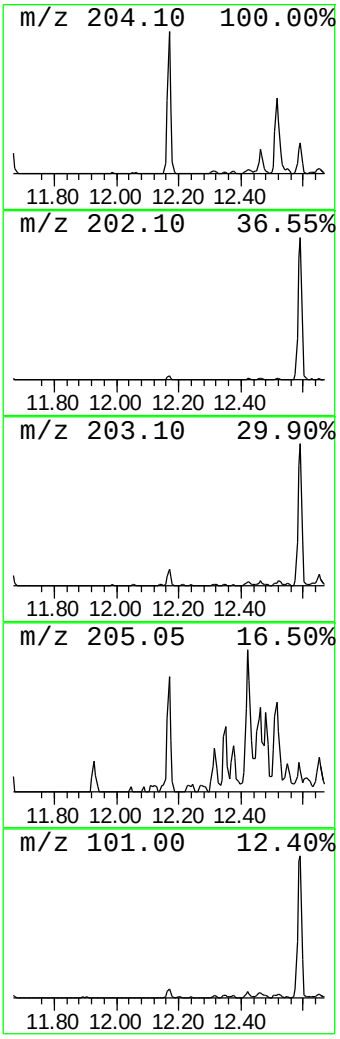
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	3.12 ng	107853	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58





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ClientSampleId : 4W-(2-3)

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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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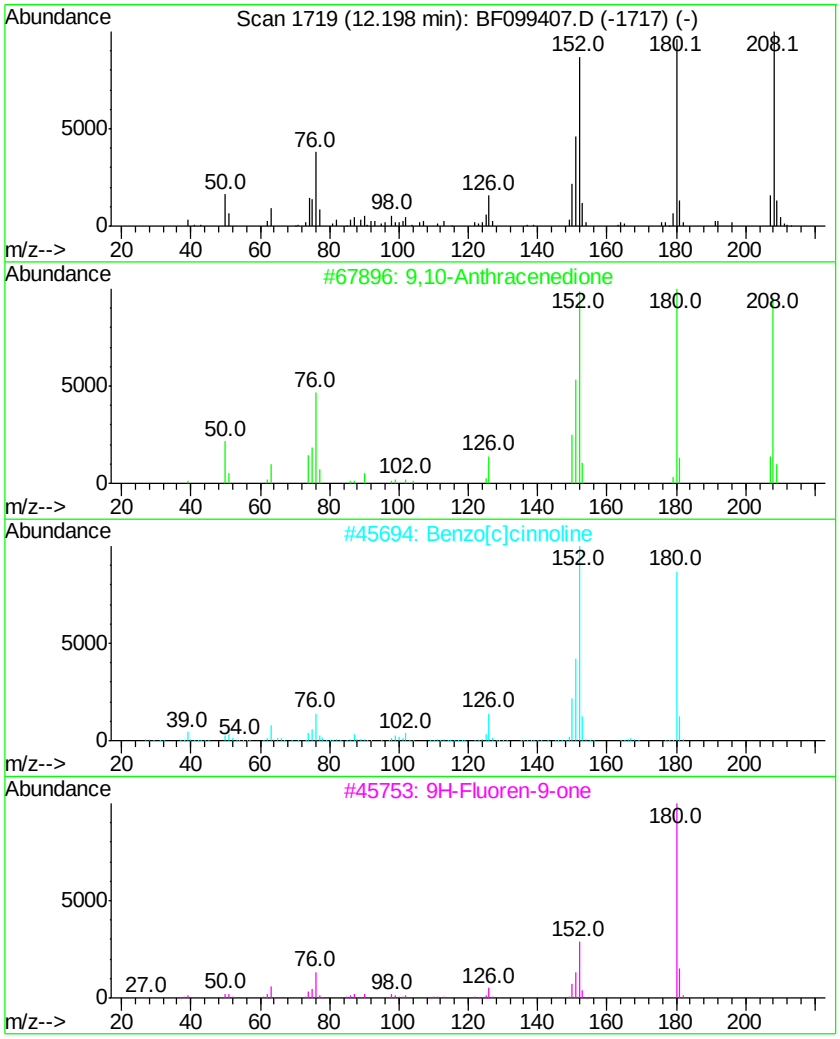
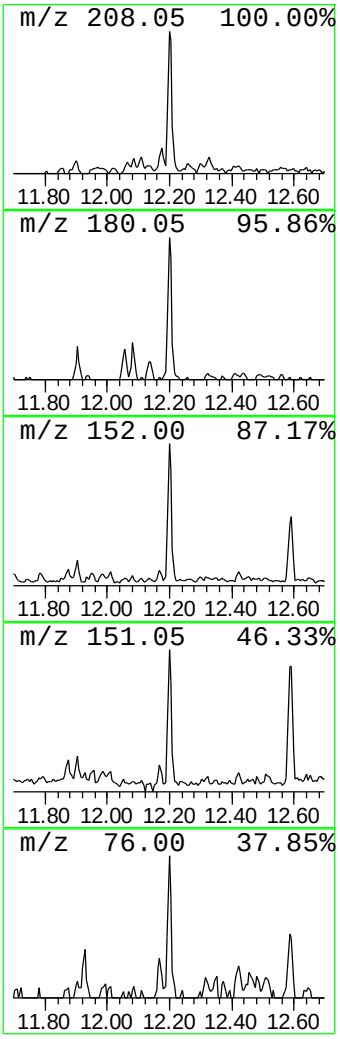
Peak Number 10 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	3.11 ng	107803	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





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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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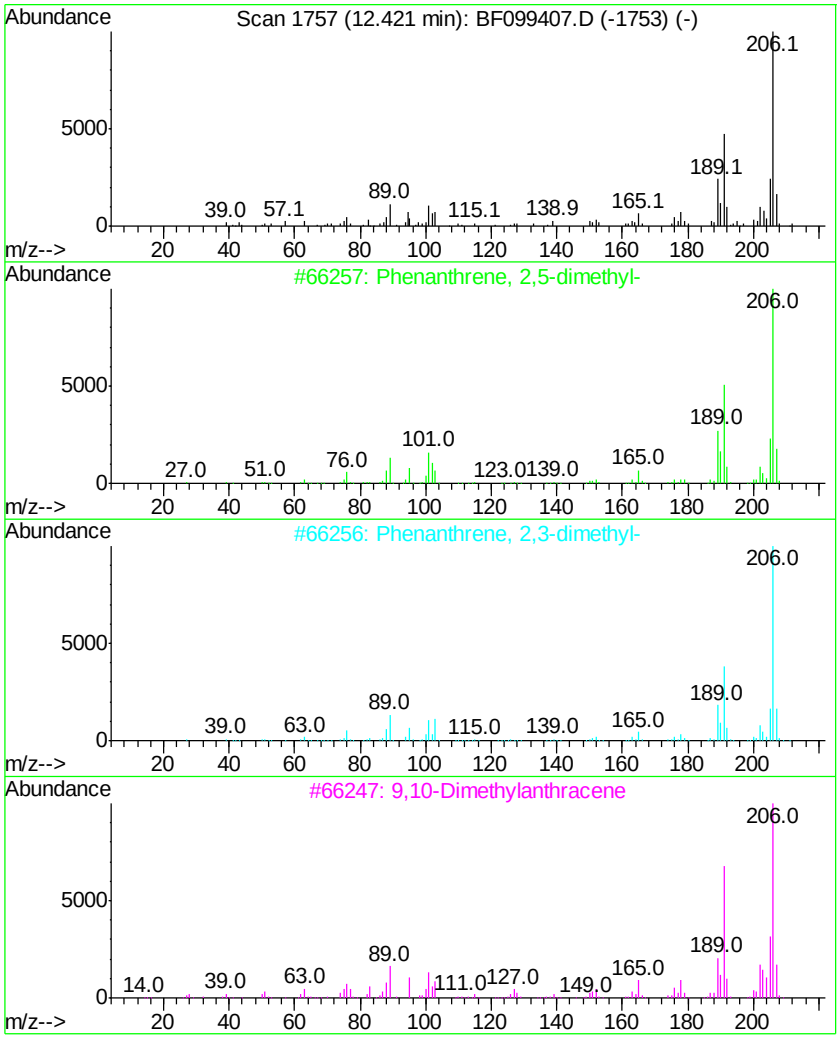
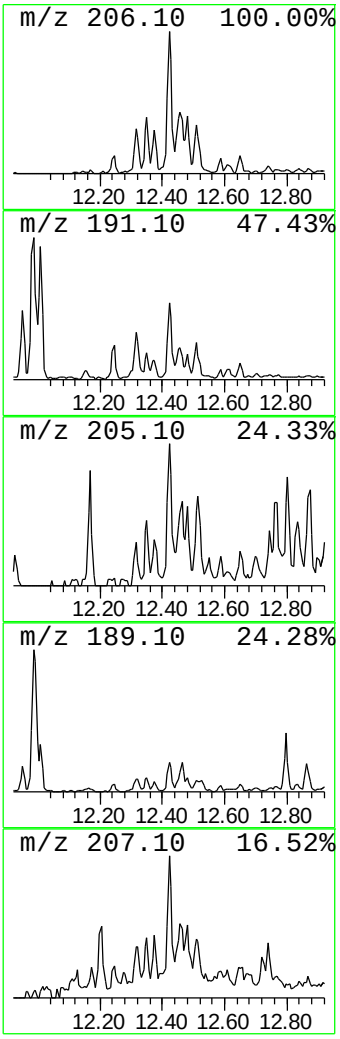
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	4.56 ng	157762	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





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Misc :
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Instrument : BNA_F
ClientSampleId : 4W-(2-3)

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

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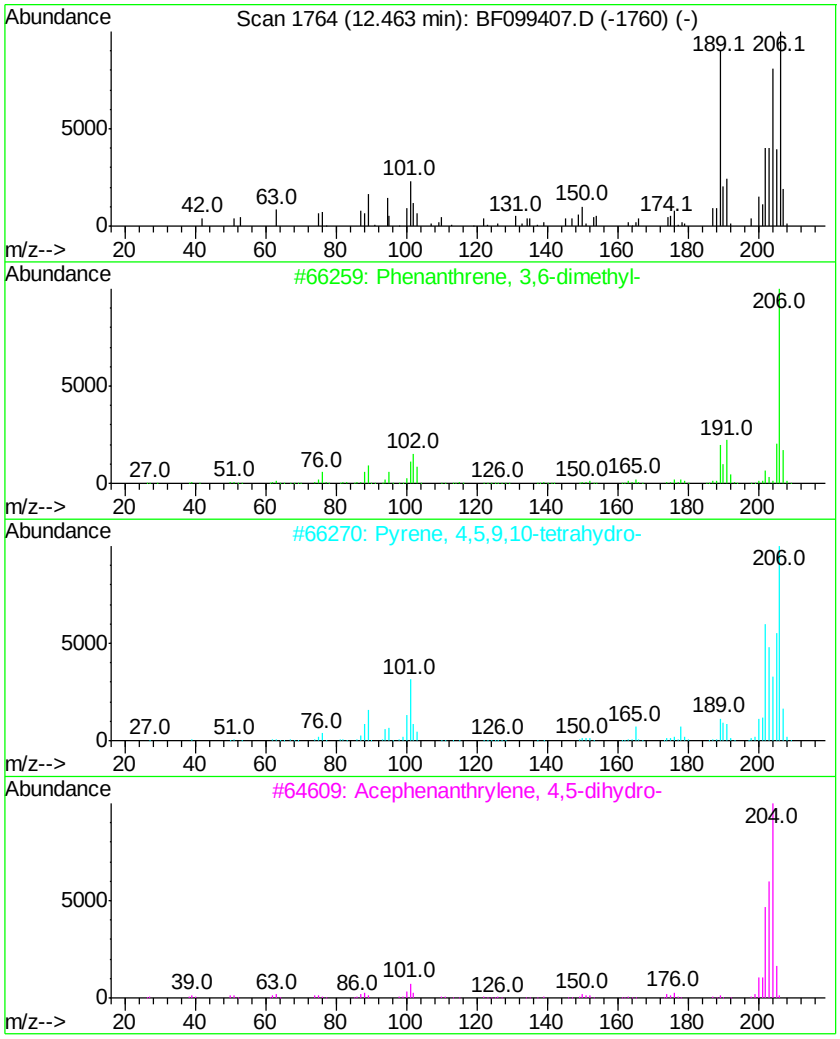
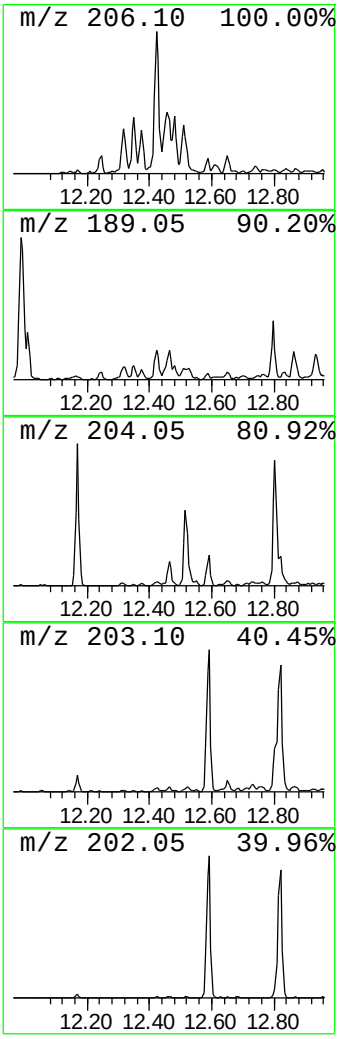
Peak Number 12 unknown12.46 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	3.37 ng	116645	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	35
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	30





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Misc :
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Instrument : BNA_F
ClientSampleId : 4W-(2-3)

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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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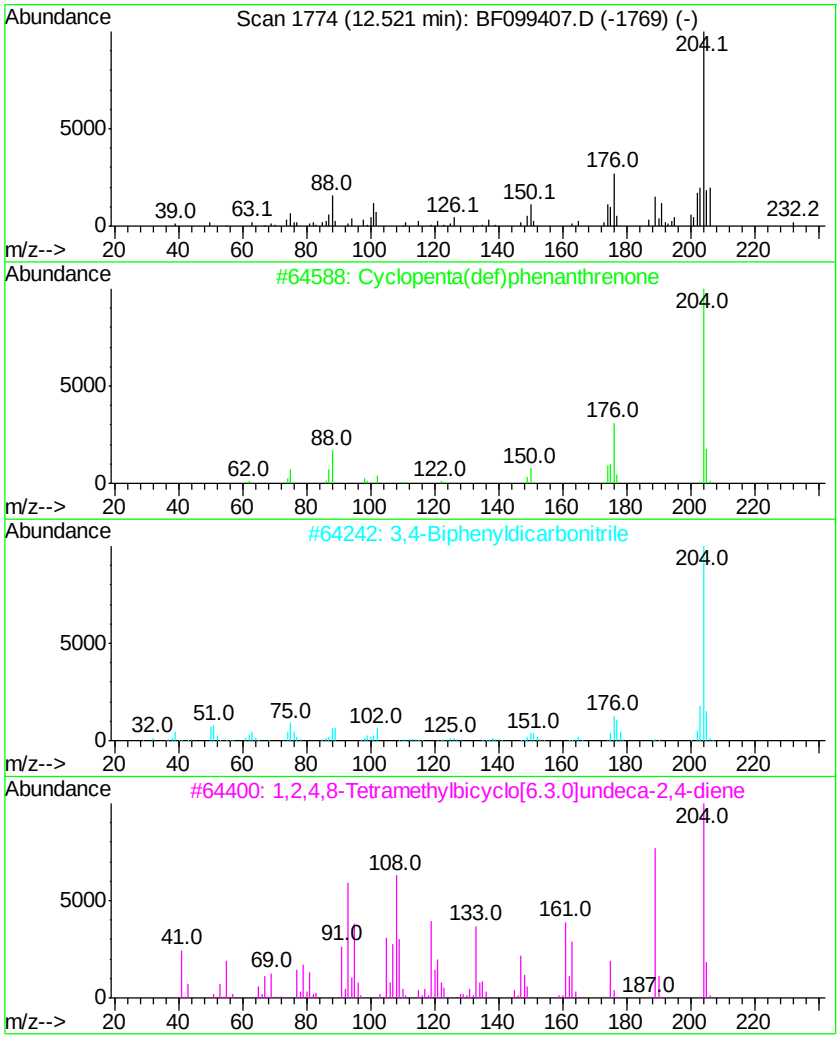
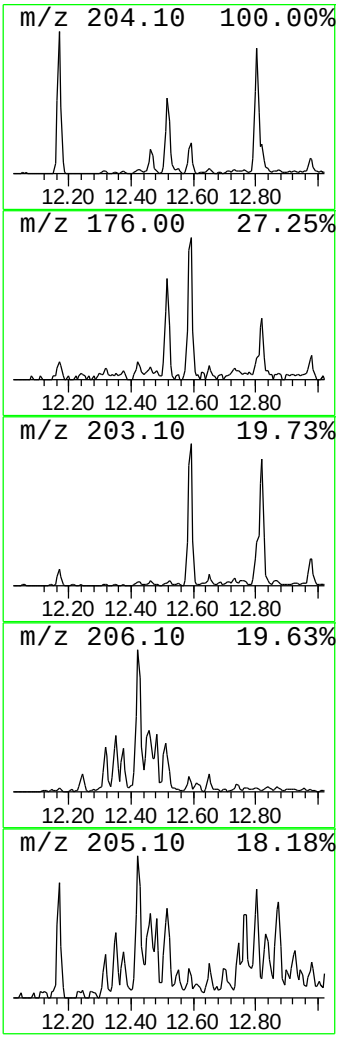
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	3.13 ng	108434	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47





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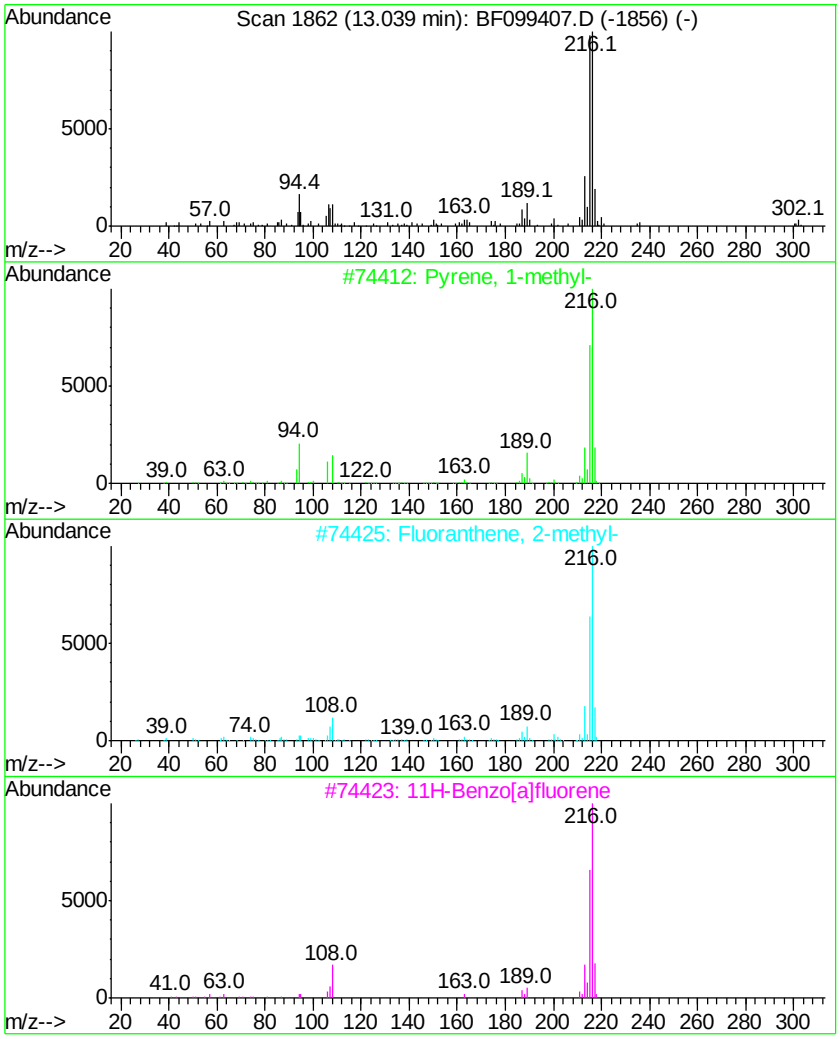
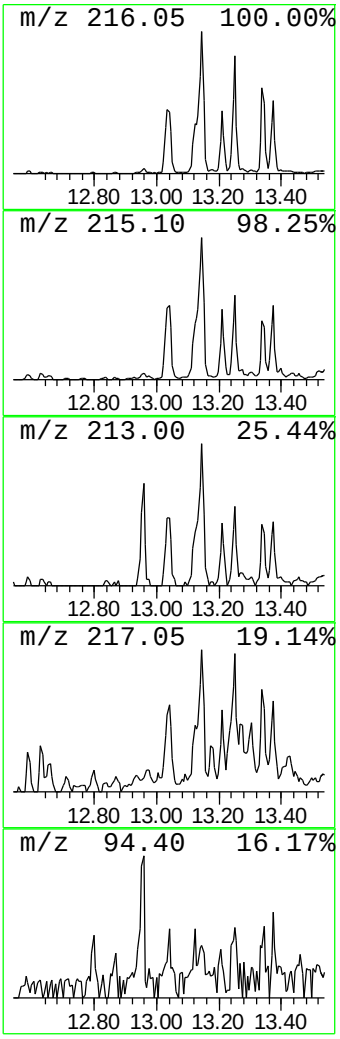
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.57 ng	172069	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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TIC Integration Parameters: LSCINT.P

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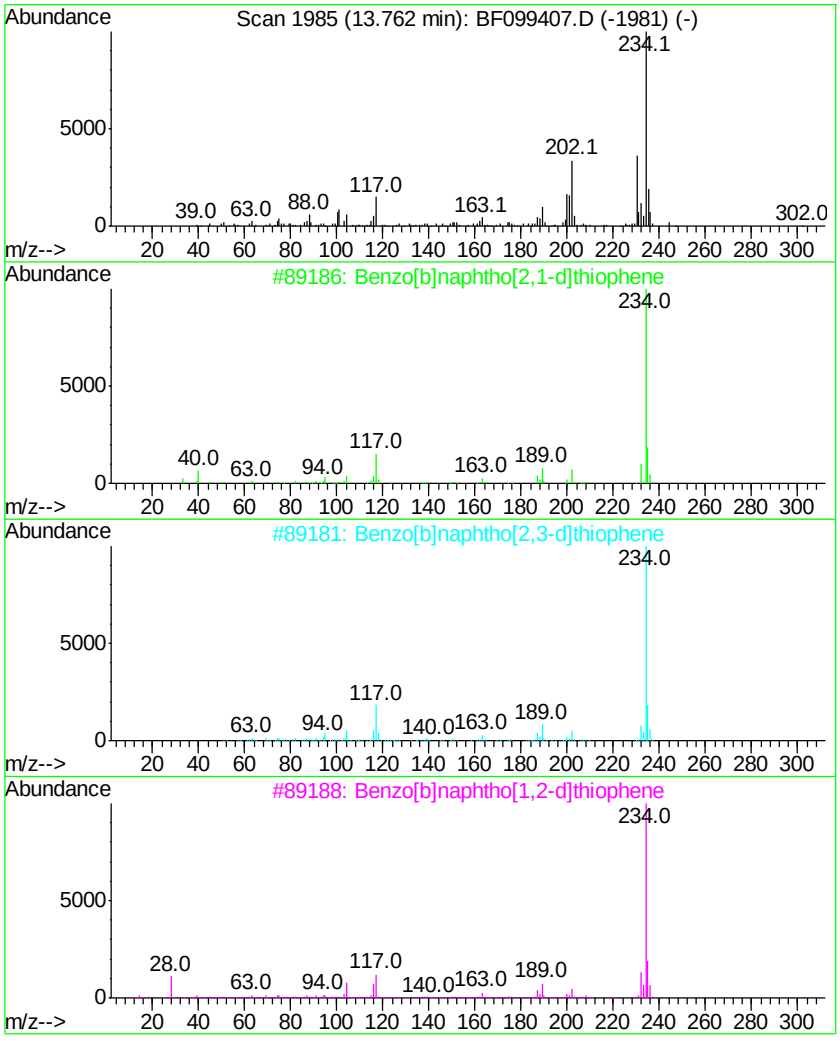
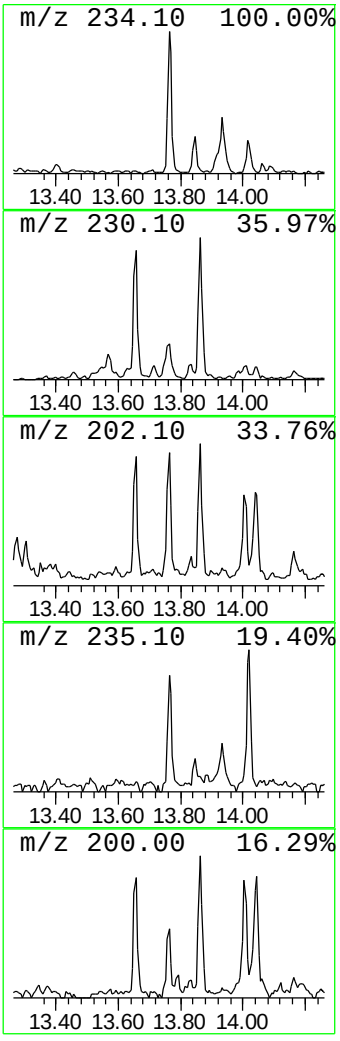
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.63 ng	176230	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	86
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	47





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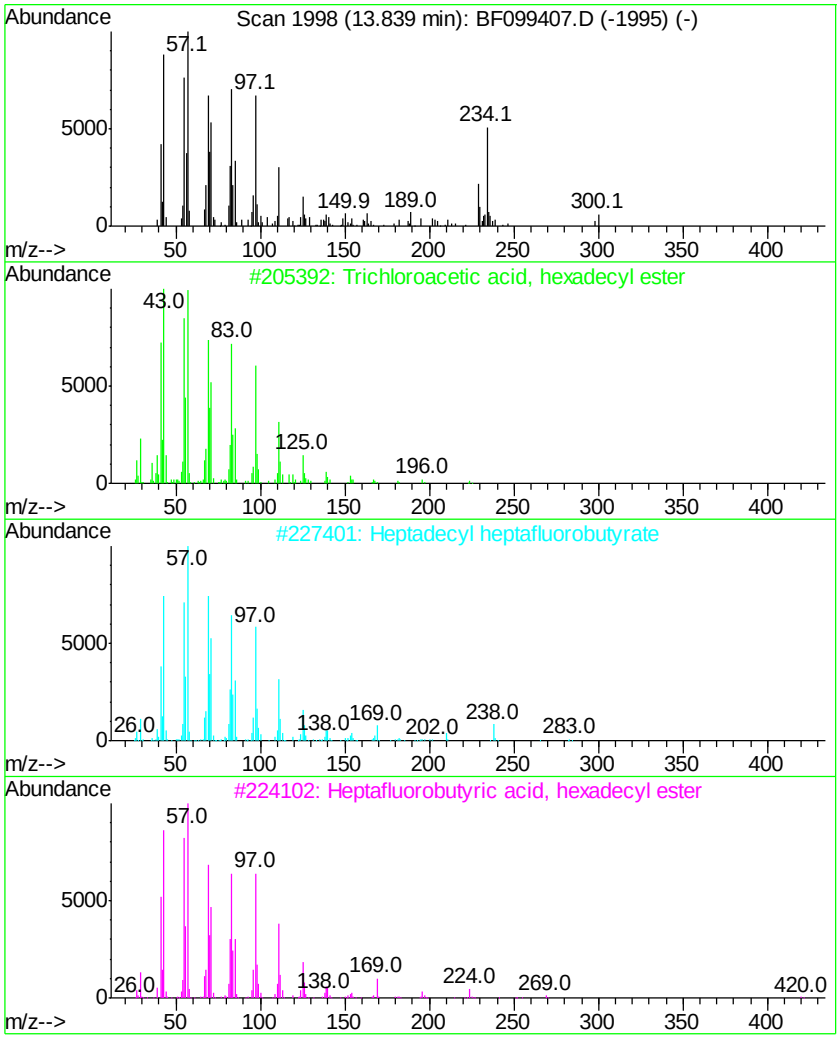
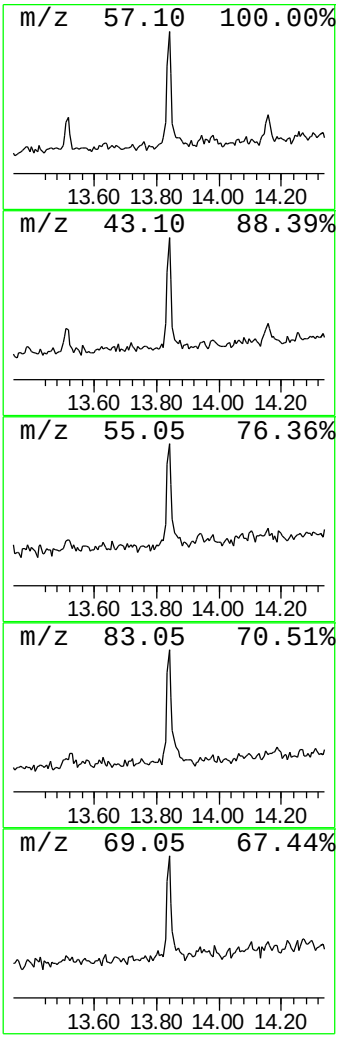
Peak Number 16 Trichloroacetic acid, hexad... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	2.75 ng	184526	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	76
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	76
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	68
4	17-Pentatriacontene	491	C35H70	006971-40-0	68
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	68





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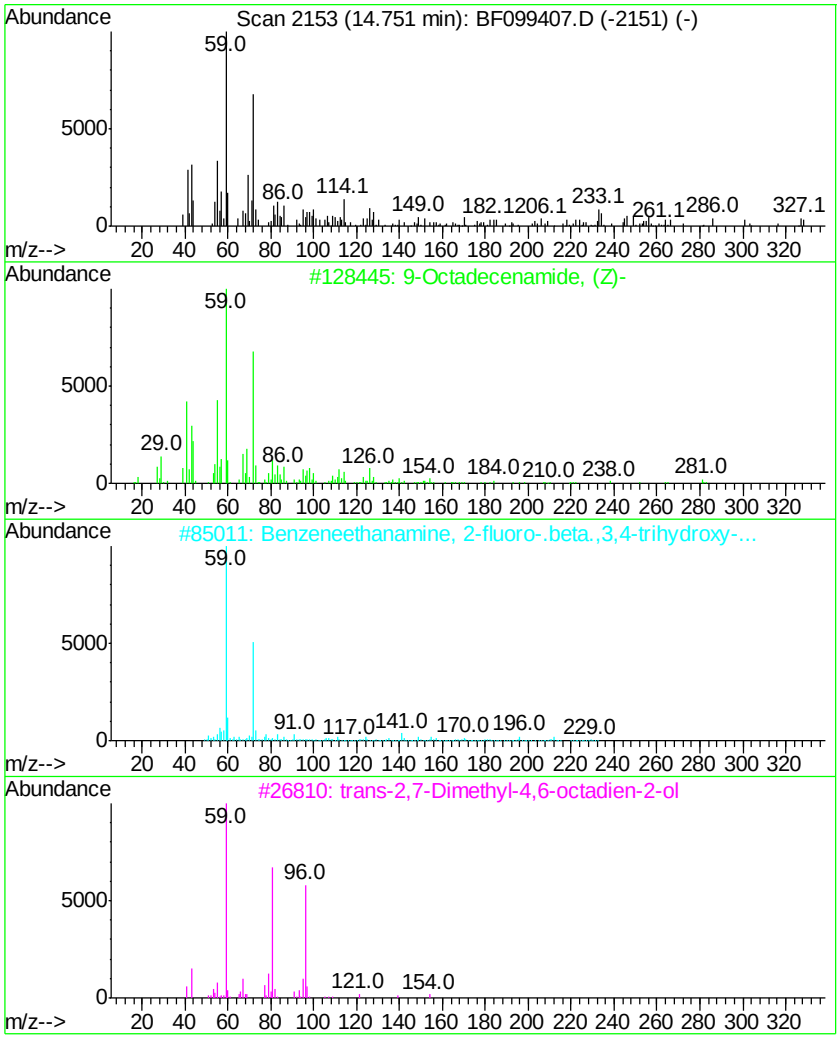
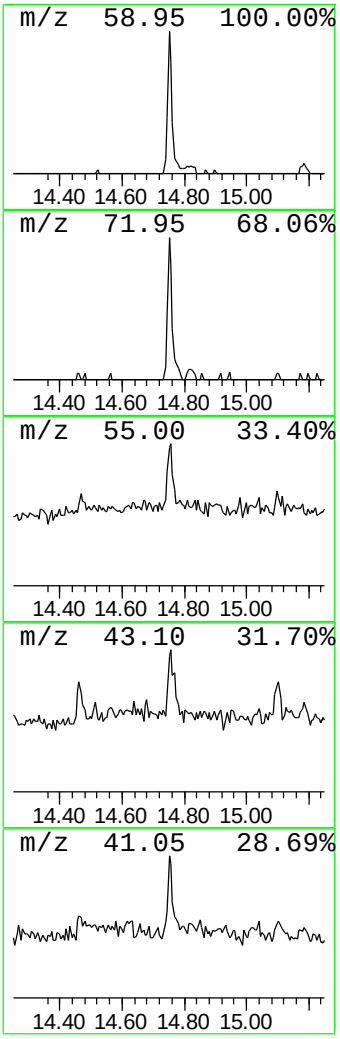
Peak Number 17 9-Octadecenamide, (Z)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	2.81 ng	79464	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	64
2	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	061338-98-5	58
3	trans-2,7-Dimethyl-4,6-octadien-...	154	C10H18O	1000281-69-5	38
4	Cyclooctanemethanol, .alpha.,.al...	170	C11H22O	016624-06-9	35
5	2,11-Dimethyl-2,11-dodecanediol	230	C14H30O2	022092-59-7	35





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099407.D
Acq On : 12 Oct 2017 21:00
Operator : SJ/JU
Sample : I5729-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 4W-(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

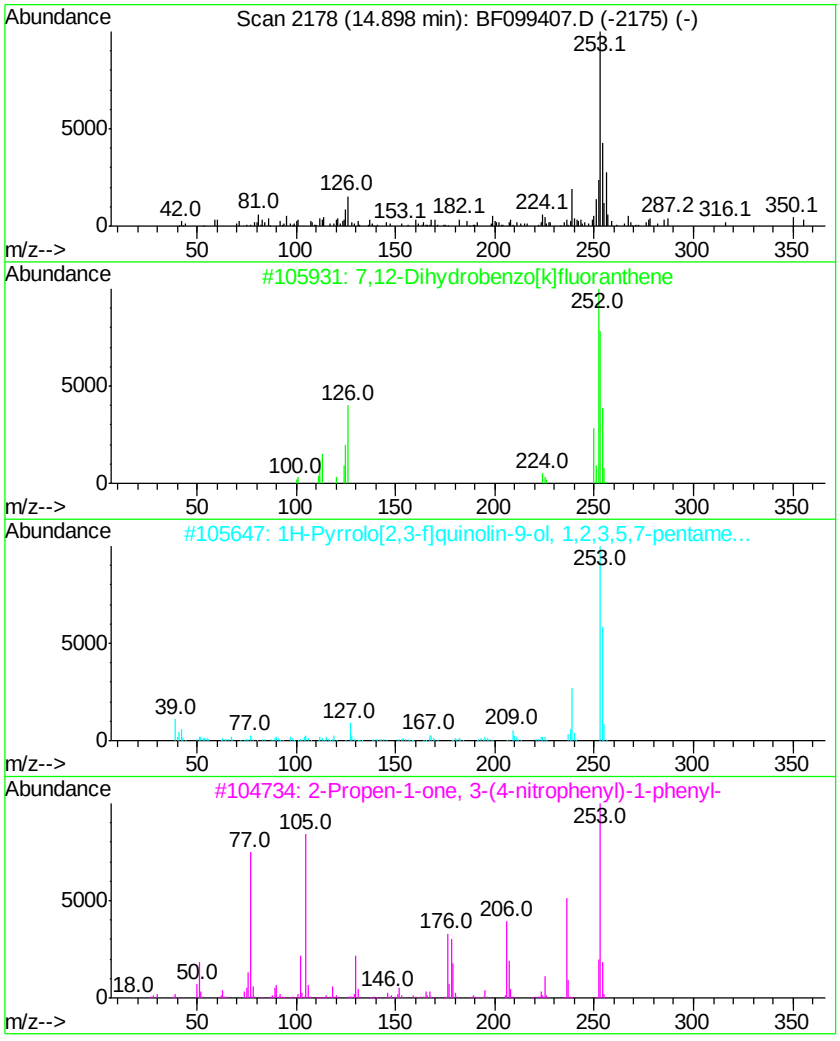
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

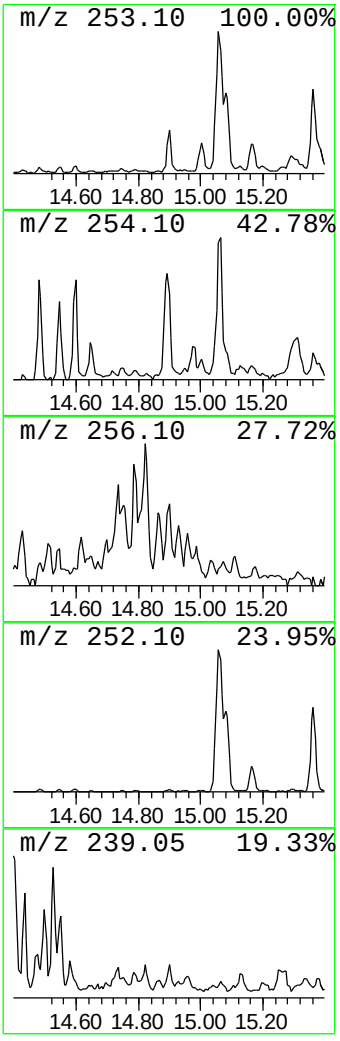
****

Peak Number 18 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	2.72 ng	76877	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	60
2	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	52
3	2-Propen-1-one, 3-(4-nitrophenyl...	253	C15H11NO3	001222-98-6	43
4	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	42
5	Plumbane, trimethyl(1-methylprop...	310	C7H18Pb	054964-76-0	38





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF101217\
Data File : BF099407.D
Acq On : 12 Oct 2017 21:00
Operator : SJ/JU
Sample : I5729-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 4W-(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
Butane, 2-methoxy...	2.13	4.9	ng	165484	1	6.85	672255	20.0
2-Pentanone, 4-hy...	5.07	9.7	ng	325939	1	6.85	672255	20.0
unknown6.62	6.62	59.3	ng	1994220	1	6.85	672255	20.0
Benzophenone	10.60	5.0	ng	209378	3	9.89	842507	20.0
Phenanthrene, 2-m...	11.87	5.5	ng	189195	4	11.37	692405	20.0
Phenanthrene, 1-m...	11.99	7.8	ng	270503	4	11.37	692405	20.0
Naphthalene, 2-ph...	12.17	3.1	ng	107853	4	11.37	692405	20.0
9,10-Anthracenedione	12.20	3.1	ng	107803	4	11.37	692405	20.0
Phenanthrene, 2,5...	12.42	4.6	ng	157762	4	11.37	692405	20.0
unknown12.46	12.46	3.4	ng	116645	4	11.37	692405	20.0
Cyclopenta(def)ph...	12.52	3.1	ng	108434	4	11.37	692405	20.0
Pyrene, 1-methyl-	13.04	2.6	ng	172069	5	14.02	1339930	20.0
Benzo[b]naphtho[2...	13.76	2.6	ng	176230	5	14.02	1339930	20.0
Trichloroacetic a...	13.84	2.8	ng	184526	5	14.02	1339930	20.0
9-Octadecenamide,...	14.75	2.8	ng	79464	6	15.49	565848	20.0
7,12-Dihydrobenzo...	14.90	2.7	ng	76877	6	15.49	565848	20.0