LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099922.D
Acq On : 28 Oct 2017 17:31
Operator : SJ/JU
Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

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-BF102317.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	5.010	494	497	515	rBV	204188	344489	9.46%	0.586%
2	5.416	562	566	585	rBV	1809735	2011279	55.24%	3.423%
3	6.434	735	739	744	rBV	1827357	1979181	54.36%	3.368%
4	6.475	744	746	757	rVV2	85111	125745	3.45%	0.214%
5	6.563	757	761	766	rVV	2303798	2128448	58.46%	3.622%
6	6.786	795	799	806	rBV	1317633	1186120	32.58%	2.019%
7	6.939	821	825	840	rVB	1851753	1758678	48.30%	2.993%
8	7.357	892	896	907	rBV	1356268	1342248	36.86%	2.284%
9	8.069	1013	1017	1019	rBV	1829097	1584060	43.51%	2.696%
10	8.086	1019	1020	1028	rVB	369742	356023	9.78%	0.606%
11	8.780	1135	1138	1144	rBV	222813	187421	5.15%	0.319%
12	8.880	1151	1155	1158	rBV	164510	137936	3.79%	0.235%
13	9.145	1195	1200	1203	rBV	2481051	2435606	66.89%	4.145%
14	9.404	1241	1244	1249	rBV2	64715	88721	2.44%	0.151%
15	9.480	1253	1257	1260	rBV	112724	120515	3.31%	0.205%
16	9.510	1260	1262	1264	rVV	82935	78229	2.15%	0.133%
17	9.539	1264	1267	1273	rVB	322958	280400	7.70%	0.477%
18	9.598	1273	1277	1285	rVB	67368	91438	2.51%	0.156%
19	9.686	1288	1292	1296	rBV2	85159	79210	2.18%	0.135%
20	9.822	1304	1315	1318	rBV2	1682062	1679220	46.12%	2.858%
21	9.857	1318	1321	1328	rVB	668277	582697	16.00%	0.992%
22	9.916	1328	1331	1336	rBV2	38962	62017	1.70%	0.106%
23	10.027	1346	1350	1353	rVV	441587	374622	10.29%	0.638%
24	10.063	1353	1356	1360	rVB4	72959	74673	2.05%	0.127%
25	10.239	1379	1386	1390	rBV2	135485	185995	5.11%	0.317%
26	10.327	1398	1401	1405	rBV2	65662	64320	1.77%	0.109%
27	10.369	1405	1408	1414	rVB	491473	495990	13.62%	0.844%
28	10.457	1421	1423	1425	rVB2	94867	68060	1.87%	0.116%
29	10.533	1433	1436	1441	rVB2	162187	183963	5.05%	0.313%
30	10.616	1446	1450	1456	rBV	1113814	1122450	30.83%	1.910%
31	10.716	1463	1467	1473	rBV	304693	377308	10.36%	0.642%
32	10.921	1500	1502	1505	rVV	87039	80316	2.21%	0.137%
33	11.051	1518	1524	1526	rBV4	67053	110499	3.03%	0.188%
34	11.127	1534	1537	1540	rBV	224181	196269	5.39%	0.334%

LSC Area Percent Report

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Acq On : 28 Oct 2017 17:31
Operator : SJ/JU
Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.168	1540	1544	1546	rVV2	317064	346365	9.51%	0.589%
36	11.210	1549	1551	1556	rVB	264310	214457	5.89%	0.365%
37	11.316	1565	1569	1571	rBV	1206443	1326036	36.42%	2.257%
38	11.351	1571	1575	1578	rVV	3223920	3509739	96.39%	5.973%
39	11.392	1578	1582	1587	rVV	814844	758735	20.84%	1.291%
40	11.433	1587	1589	1593	rVB	56424	64380	1.77%	0.110%
41	11.551	1604	1609	1613	rBV2	485626	523275	14.37%	0.891%
42	11.586	1613	1615	1617	rBV	84142	66264	1.82%	0.113%
43	11.816	1651	1654	1656	rBV	340632	317496	8.72%	0.540%
44	11.845	1656	1659	1665	rVV	506439	579763	15.92%	0.987%
45	11.892	1665	1667	1670	rVV	128409	108387	2.98%	0.184%
46	11.927	1670	1673	1676	rVV	592217	628198	17.25%	1.069%
47	11.951	1676	1677	1682	rVB	255037	156558	4.30%	0.266%
48	11.998	1682	1685	1688	rBV2	87693	99407	2.73%	0.169%
49	12.110	1701	1704	1707	rBV	311907	255471	7.02%	0.435%
50	12.157	1709	1712	1715	rVB	247541	232707	6.39%	0.396%
51	12.368	1744	1748	1749	rBV	148352	142518	3.91%	0.243%
52	12.468	1763	1765	1768	rVV	146331	143720	3.95%	0.245%
53	12.545	1772	1778	1781	rBV	3083271	3588706	98.56%	6.107%
54	12.615	1784	1790	1796	rBV4	105699	182343	5.01%	0.310%
55	12.686	1799	1802	1804	rBV	186387	154096	4.23%	0.262%
56	12.774	1810	1817	1820	rBV2	2768143	3641056	100.00%	6.196%
57	12.810	1820	1823	1830	rVB2	143255	170744	4.69%	0.291%
58	12.898	1833	1838	1841	rVB2	1572026	1503415	41.29%	2.559%
59	12.933	1841	1844	1848	rVB	174757	169320	4.65%	0.288%
60	12.986	1848	1853	1857	rBV3	164678	290149	7.97%	0.494%
61	13.021	1857	1859	1863	rVB	78521	76289	2.10%	0.130%
62	13.092	1863	1871	1874	rBV	393226	569822	15.65%	0.970%
63	13.157	1879	1882	1885	rBV	240540	181715	4.99%	0.309%
64	13.198	1885	1889	1896	rVV3	190291	308553	8.47%	0.525%
65	13.292	1901	1905	1907	rBV	146250	147286	4.05%	0.251%
66	13.321	1907	1910	1913	rBV	153345	140412	3.86%	0.239%
67	13.515	1940	1943	1945	rVB	95711	76149	2.09%	0.130%
68	13.574	1950	1953	1956	rBV2	47845	66838	1.84%	0.114%
69	13.610	1956	1959	1962	rBV	195219	179944	4.94%	0.306%
70	13.715	1974	1977	1979	rBV2	263926	253658	6.97%	0.432%
71	13.733	1979	1980	1983	rVV	229627	177707	4.88%	0.302%

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Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

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

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.768	1983	1986	1993	rVB3	377966	582689	16.00%	0.992%
73	13.821	1993	1995	2000	rVB	240155	241004	6.62%	0.410%
74	13.886	2003	2006	2009	rVB	77042	74512	2.05%	0.127%
75	13.962	2013	2019	2023	rBV2	1577818	2823055	77.53%	4.804%
76	13.998	2023	2025	2028	rVB	1446427	1114723	30.62%	1.897%
77	14.074	2035	2038	2041	rBV	345967	281483	7.73%	0.479%
78	14.127	2045	2047	2052	rVV4	62871	87329	2.40%	0.149%
79	14.204	2055	2060	2062	rVB2	138157	201575	5.54%	0.343%
80	14.339	2081	2083	2084	rVV	79466	76069	2.09%	0.129%
81	14.351	2084	2085	2089	rVB	177143	133284	3.66%	0.227%
82	14.386	2089	2091	2093	rBV	85972	77709	2.13%	0.132%
83	14.480	2104	2107	2108	rBV	118415	95636	2.63%	0.163%
84	14.686	2139	2142	2148	rVB4	119338	193961	5.33%	0.330%
85	14.856	2167	2171	2175	rBV2	138982	179088	4.92%	0.305%
86	15.015	2192	2198	2200	rBV	1342080	2088506	57.36%	3.554%
87	15.115	2212	2215	2222	rVB	184103	215281	5.91%	0.366%
88	15.198	2227	2229	2232	rBV	54832	66962	1.84%	0.114%
89	15.309	2244	2248	2255	rVB	873797	1094184	30.05%	1.862%
90	15.380	2255	2260	2265	rVV	1030270	1375105	37.77%	2.340%
91	15.433	2265	2269	2272	rVV	775818	1006255	27.64%	1.712%
92	15.468	2272	2275	2280	rVB	379065	474641	13.04%	0.808%
93	15.992	2361	2364	2369	rVB	74076	105707	2.90%	0.180%
94	16.698	2480	2484	2488	rBV3	56617	93086	2.56%	0.158%
95	16.745	2488	2492	2497	rVB	90283	151857	4.17%	0.258%
96	16.909	2513	2520	2527	rVB2	547537	1032996	28.37%	1.758%
97	17.068	2543	2547	2552	rBV	75315	128841	3.54%	0.219%
98	17.127	2553	2557	2565	rVB2	88068	176978	4.86%	0.301%
99	17.356	2589	2596	2609	rVB	479930	1018541	27.97%	1.733%
100	17.603	2633	2638	2653	rVB2	85904	244338	6.71%	0.416%

Sum of corrected areas: 58761219

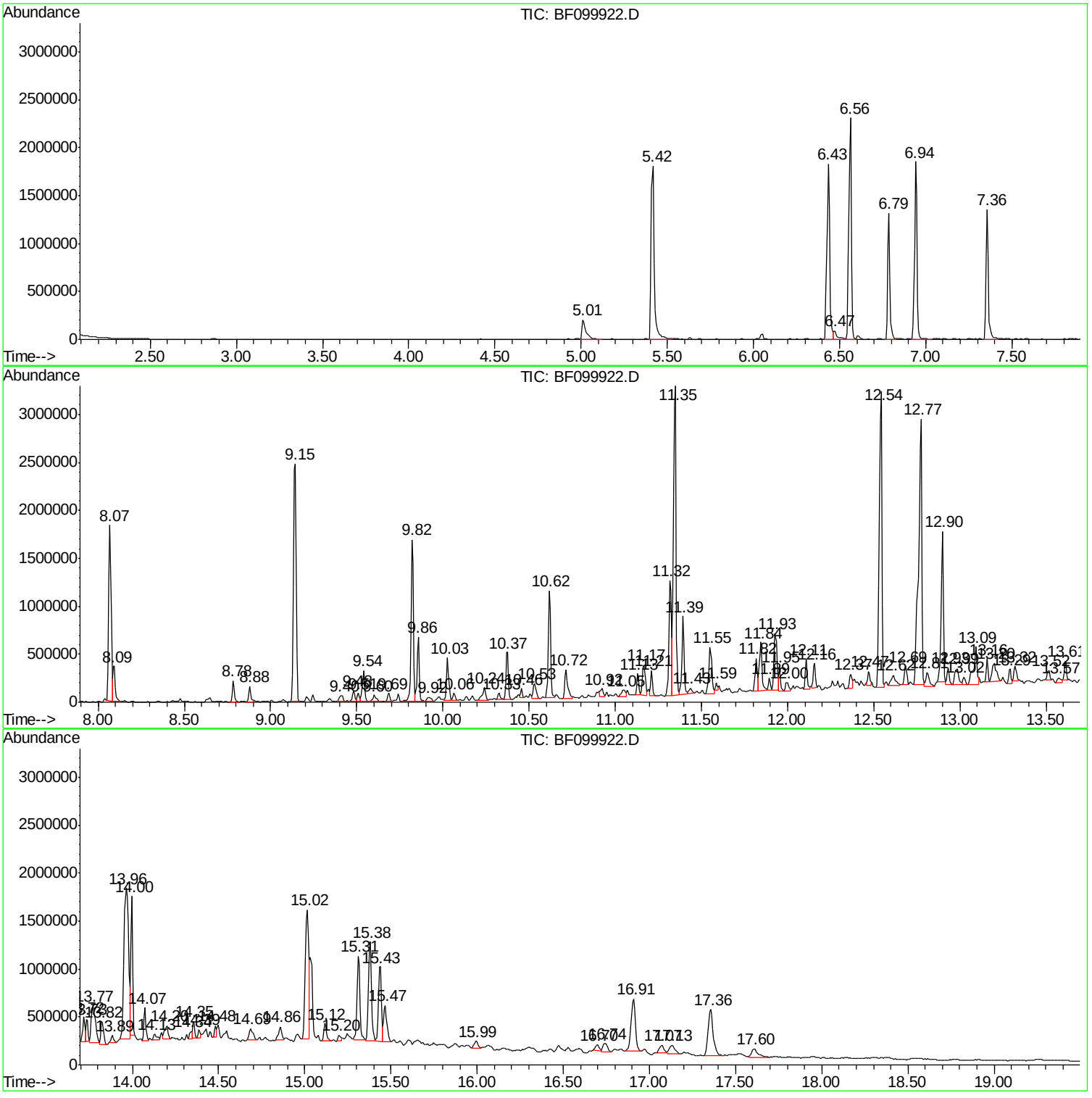
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099922.D
Acq On : 28 Oct 2017 17:31
Operator : SJ/JU
Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument :
BNA_F
ClientSampleId :
FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099922.D
Acq On : 28 Oct 2017 17:31
Operator : SJ/JU
Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

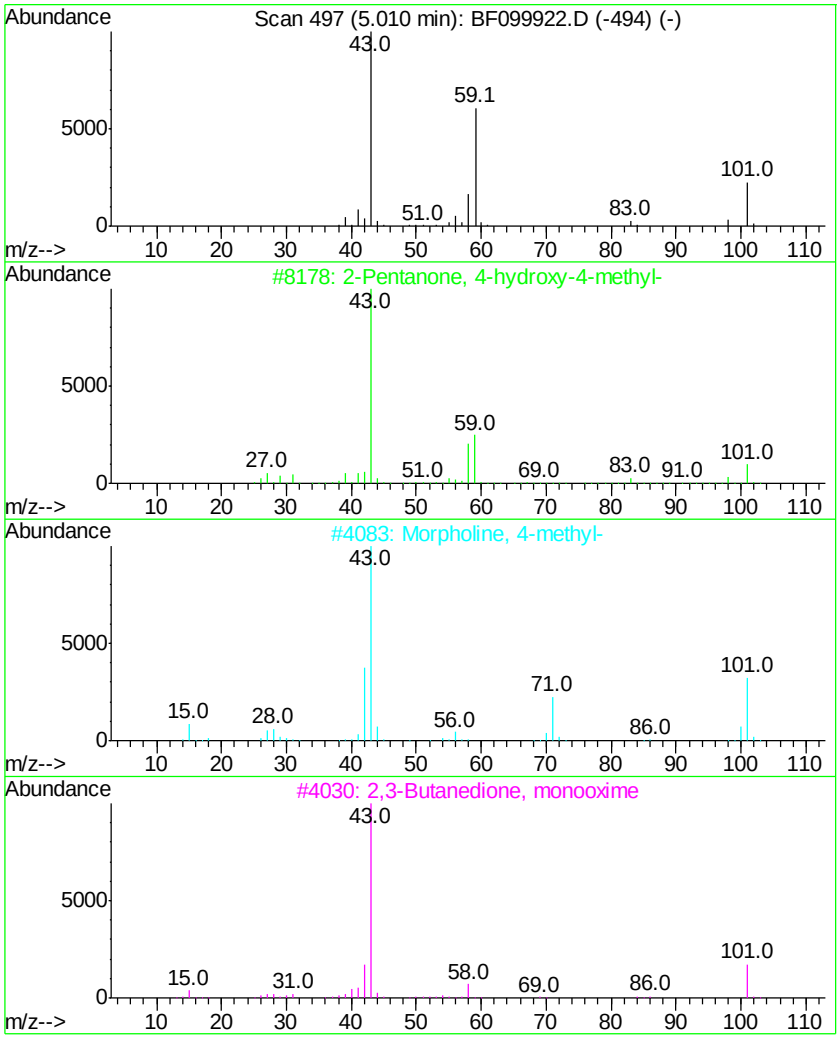
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

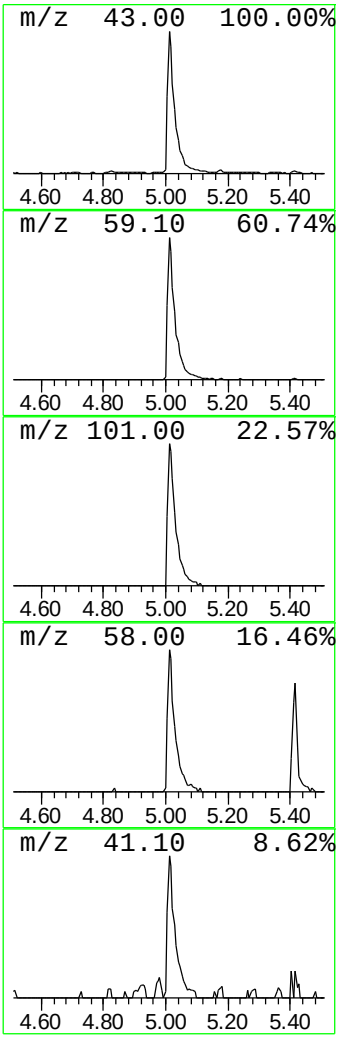
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	5.81 ng	344489	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





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Sample : I6077-04
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Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

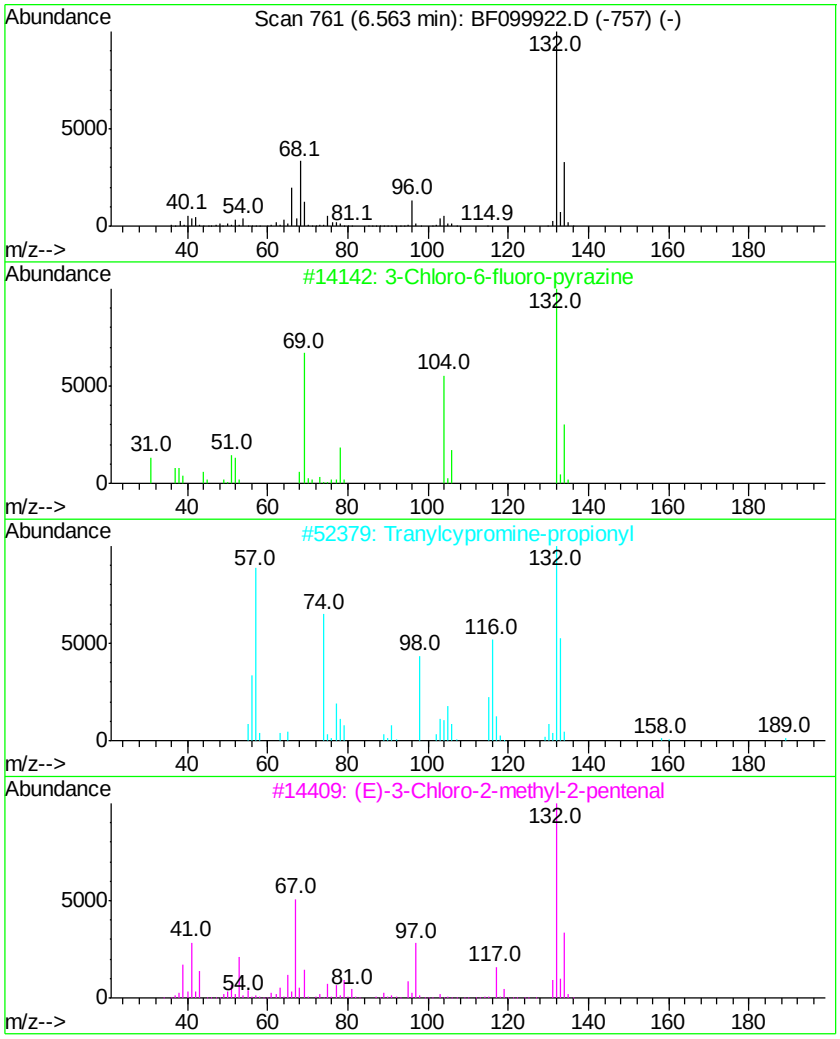
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

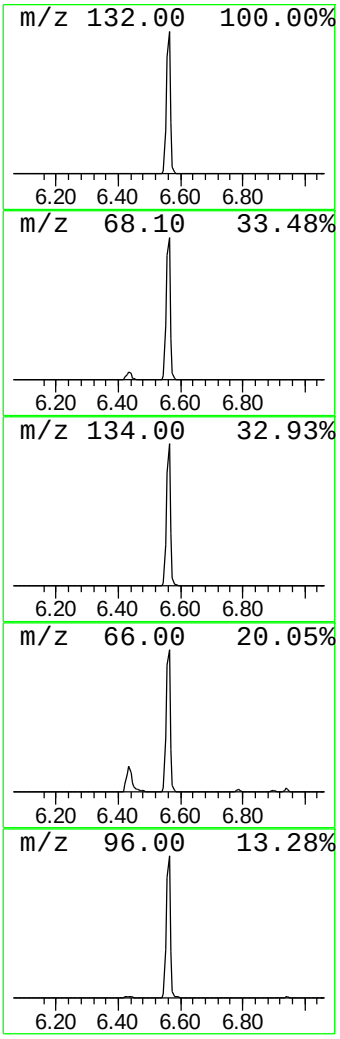
****

Peak Number 2 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	35.89 ng	2128450	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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

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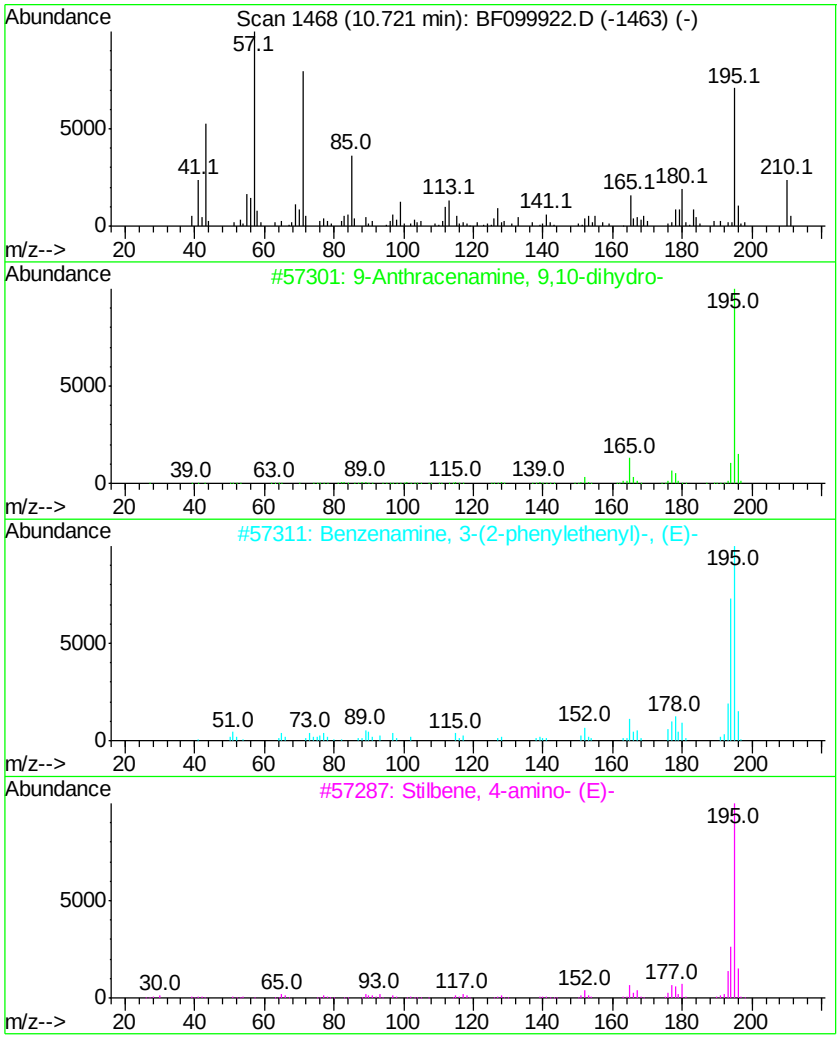
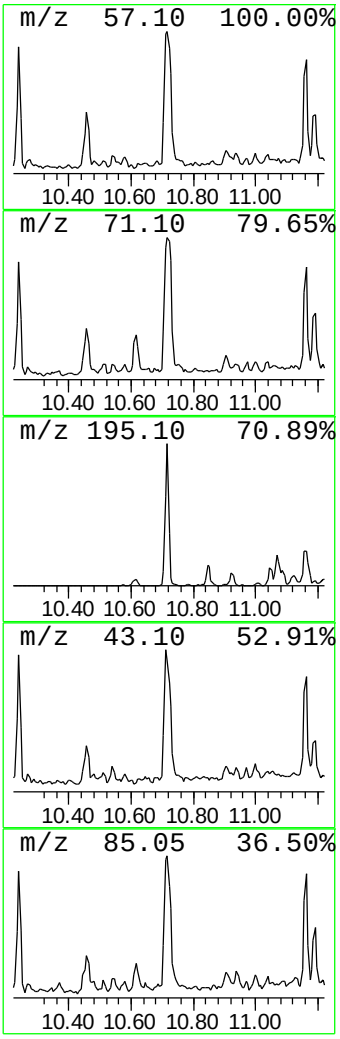
Peak Number 4 unknown10.72 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	5.69 ng	377308	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	49
2	Benzenamine, 3-(2-phenylethenyl)...	195	C14H13N	014064-82-5	43
3	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	38
4	Benzenamine, 4-(2-phenylethenyl)-	195	C14H13N	000834-24-2	35
5	2-Amino-9-fluorenone	195	C13H9NO	003096-57-9	25





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Operator : SJ/JU
Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
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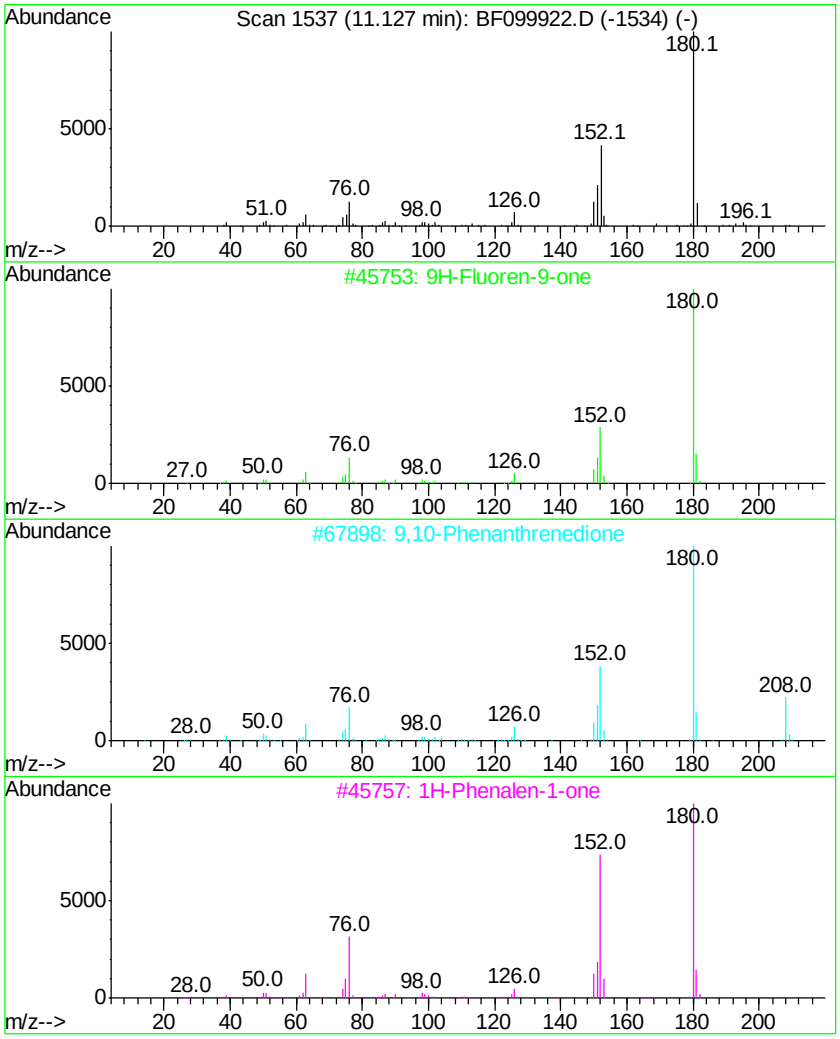
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

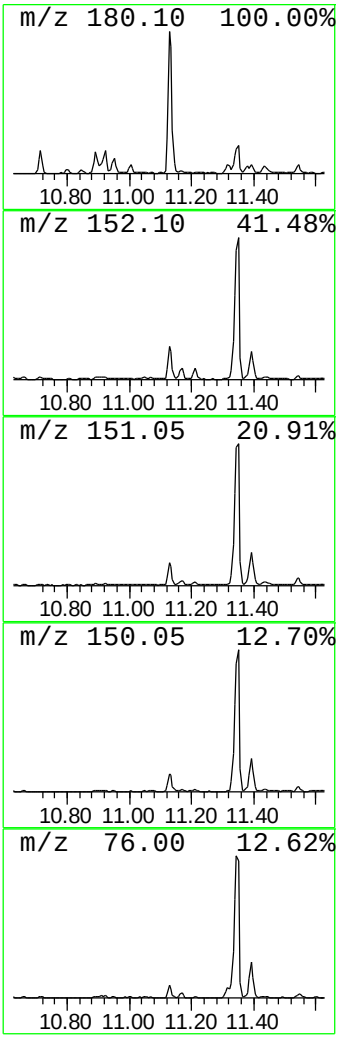
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	2.96 ng	196269	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	43
5	Phenazine	180	C12H8N2	000092-82-0	43





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Data File : BF099922.D
Acq On : 28 Oct 2017 17:31
Operator : SJ/JU
Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

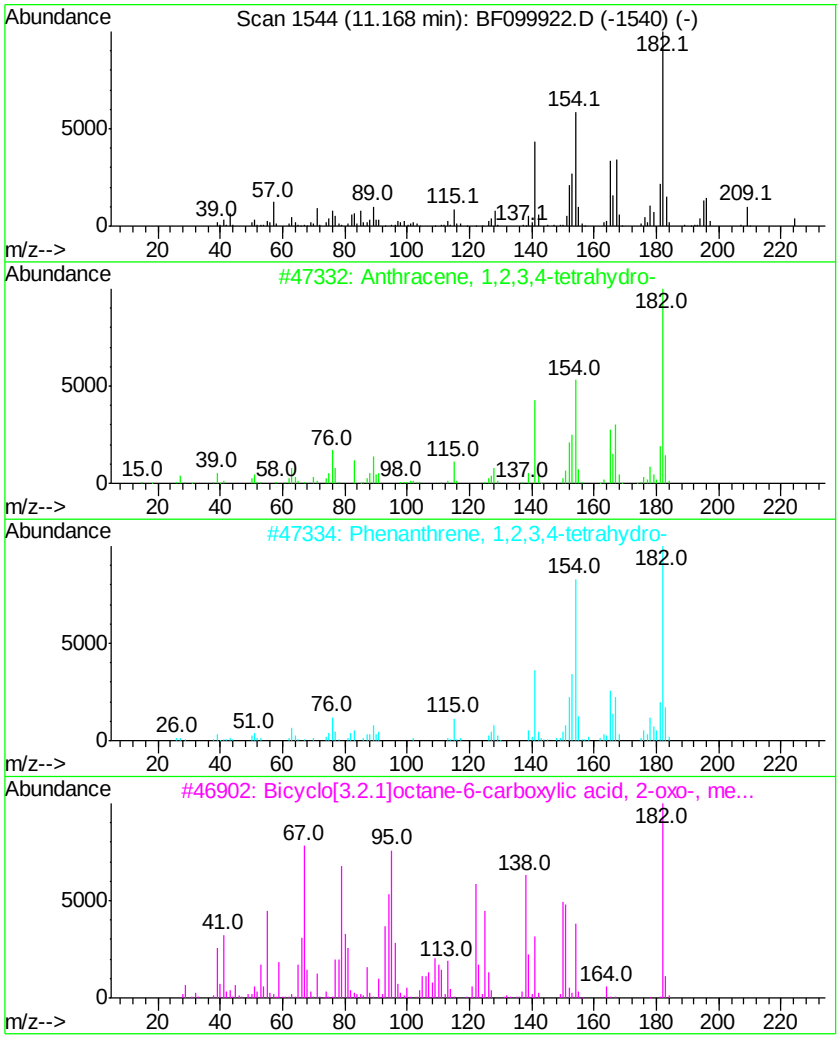
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

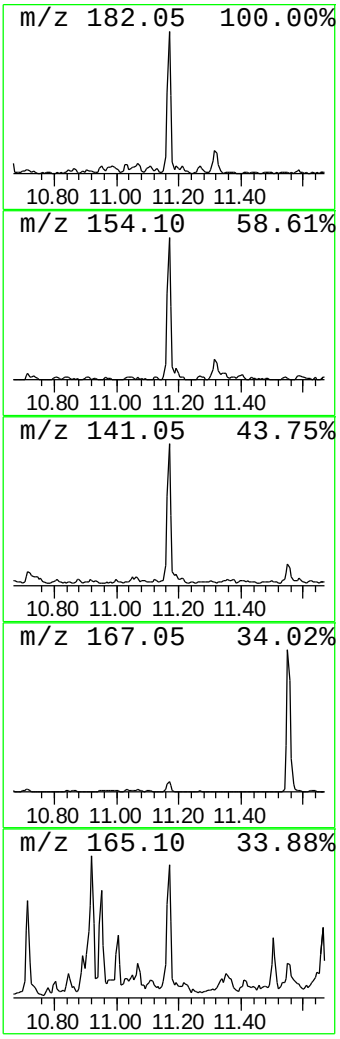
****

Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	5.22 ng	346365	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	97
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	81
3	Bicyclo[3.2.1]octane-6-carboxyli...	182	C10H14O3	1000362-16-3	55
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	55
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	55





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Data File : BF099922.D
Acq On : 28 Oct 2017 17:31
Operator : SJ/JU
Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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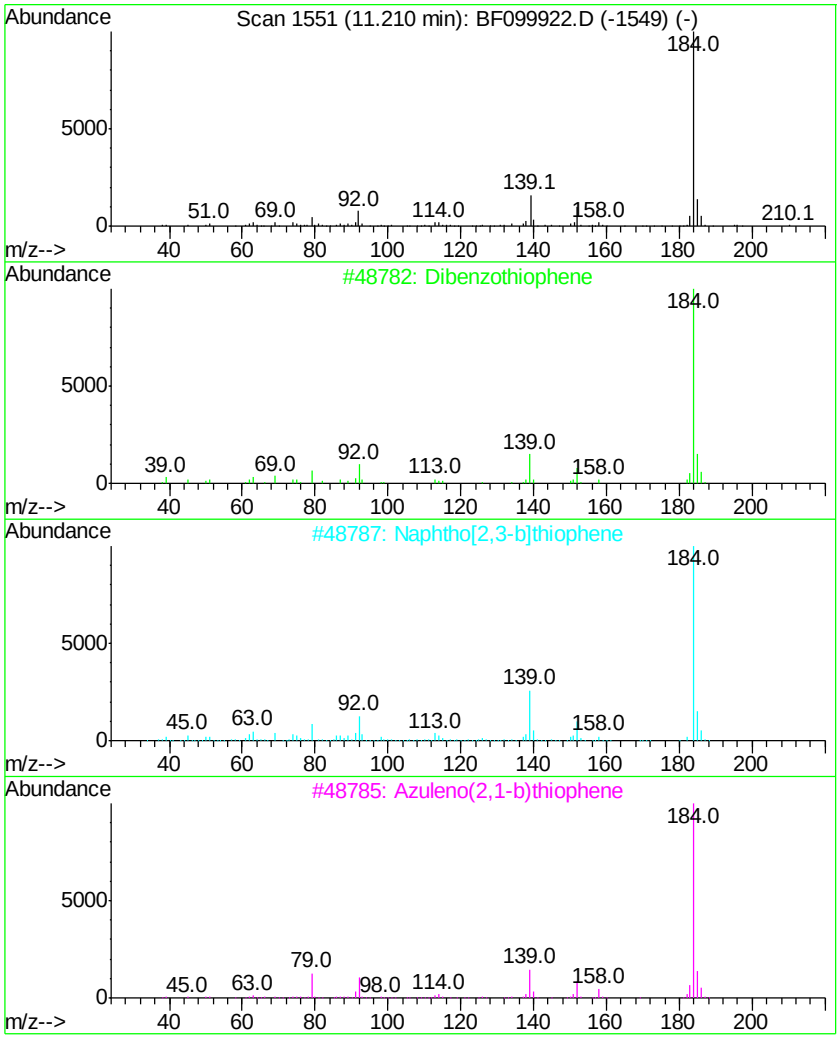
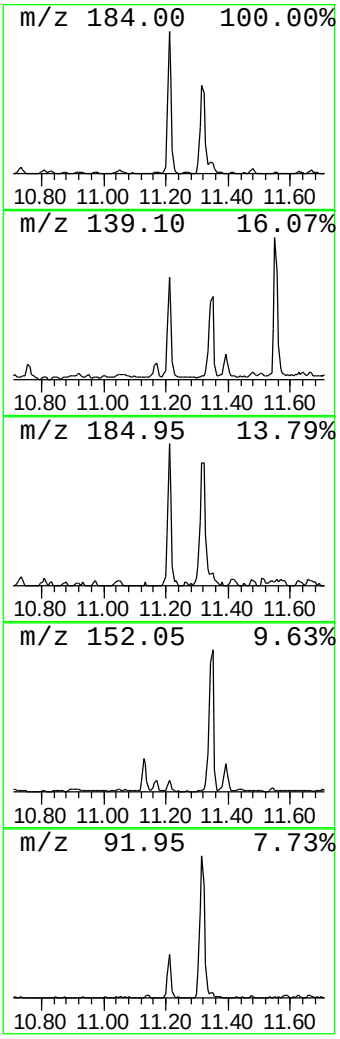
Peak Number 7 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	3.23 ng	214457	Phenanthrene-d10	11.32

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	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87





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Operator : SJ/JU
Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

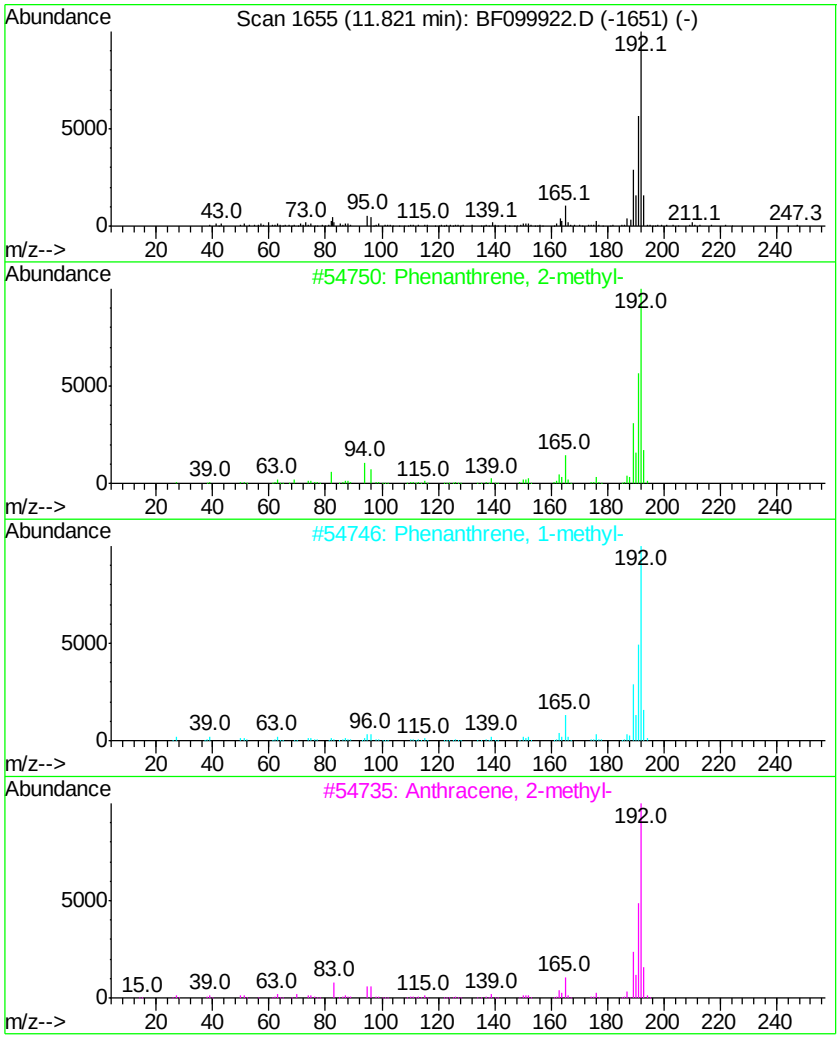
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

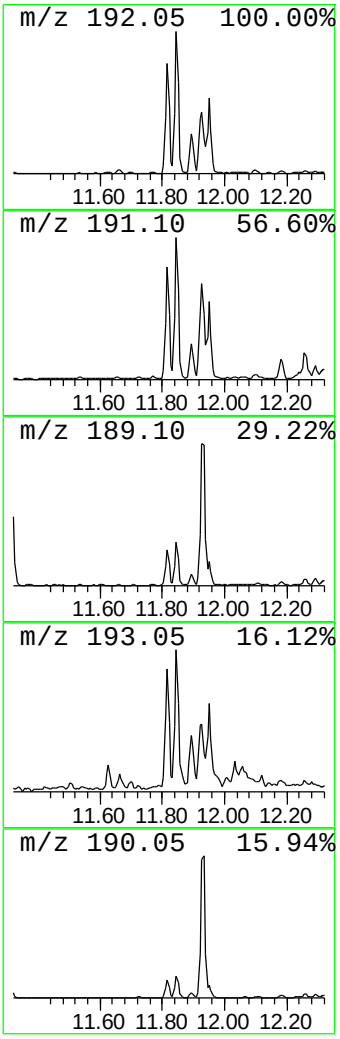
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	4.79 ng	317496	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Misc :
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ClientSampleId : FILL-PILE-2-COMP-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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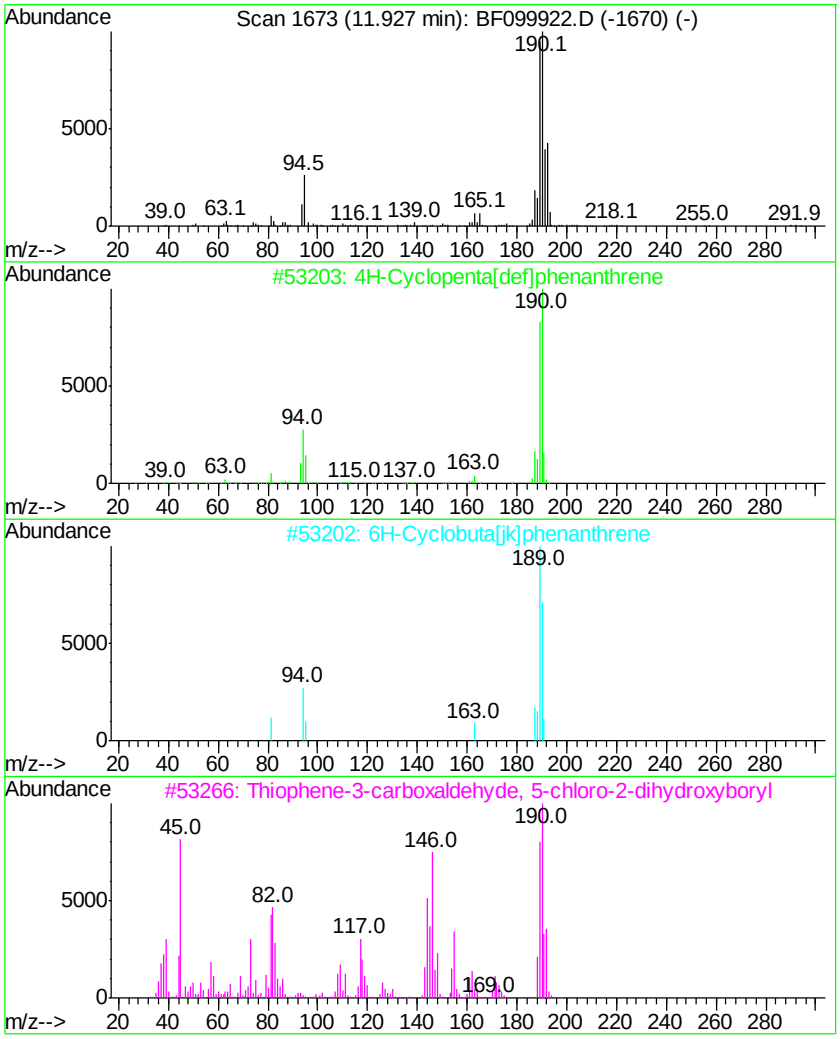
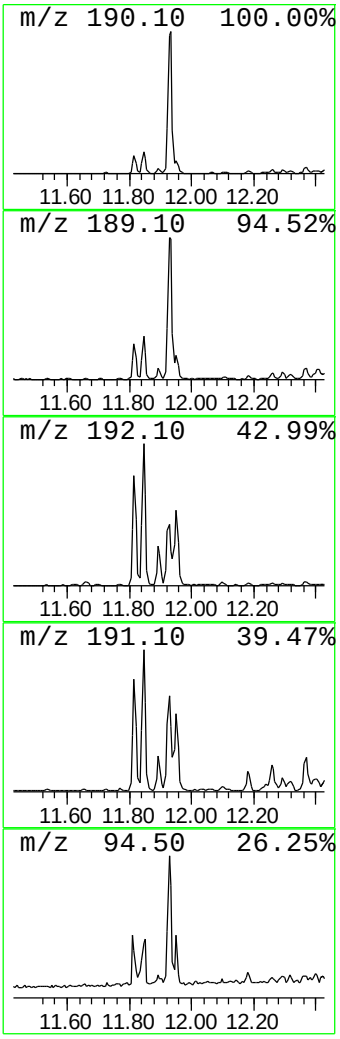
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	9.47 ng	628198	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





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Operator : SJ/JU
Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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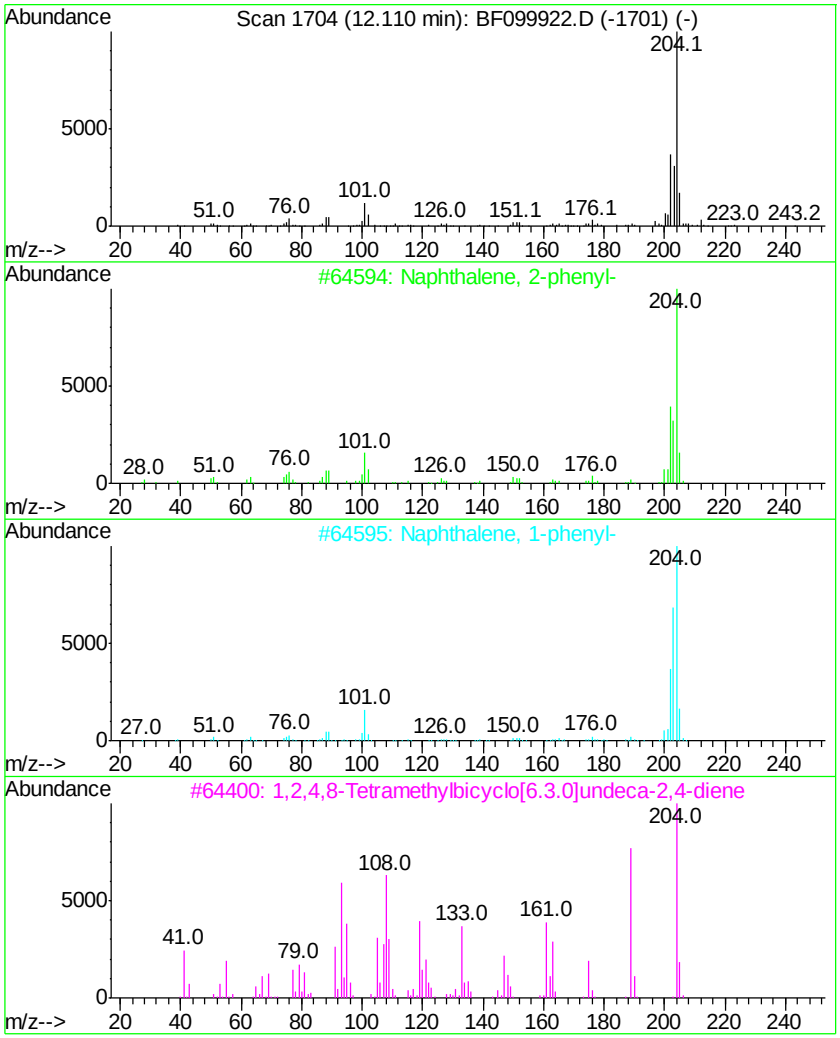
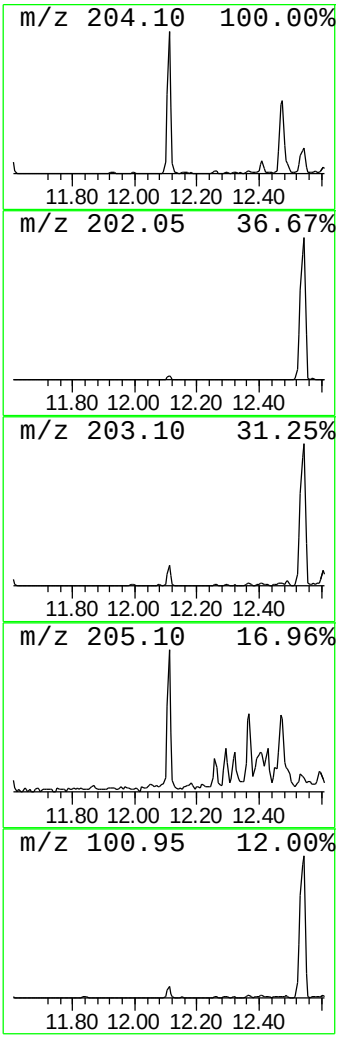
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	3.85 ng	255471	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	92
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81





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Acq On : 28 Oct 2017 17:31
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Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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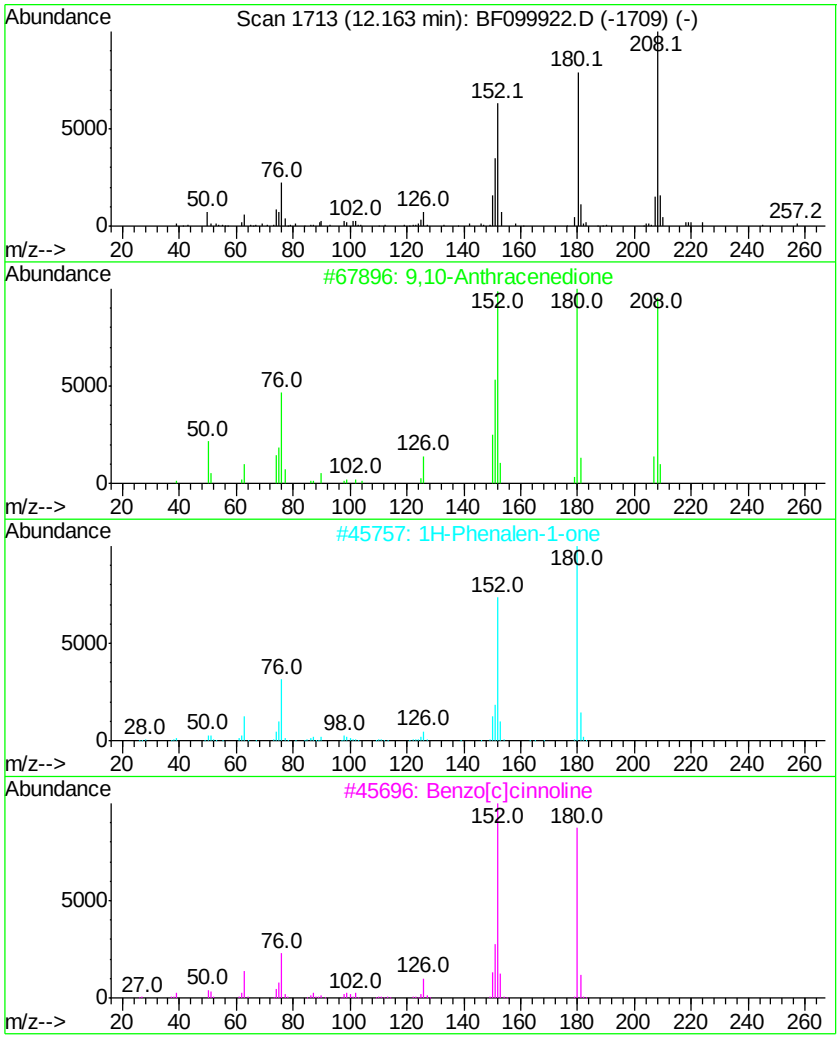
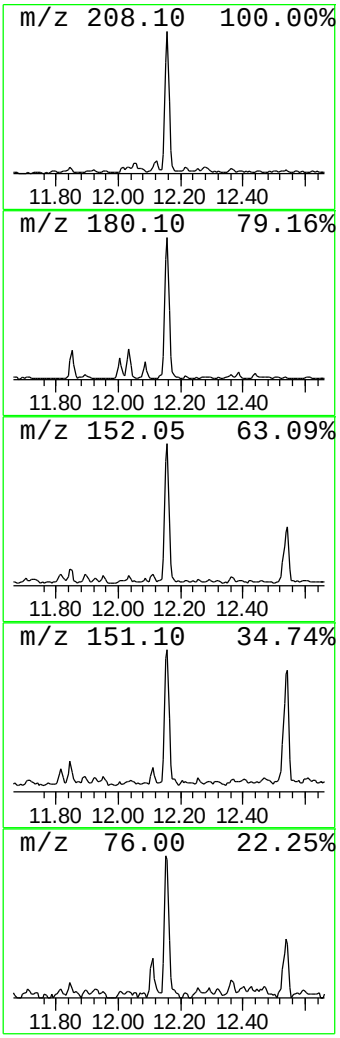
Peak Number 12 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	3.51 ng	232707	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





Library Search Compound Report

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Data File : BF099922.D
Acq On : 28 Oct 2017 17:31
Operator : SJ/JU
Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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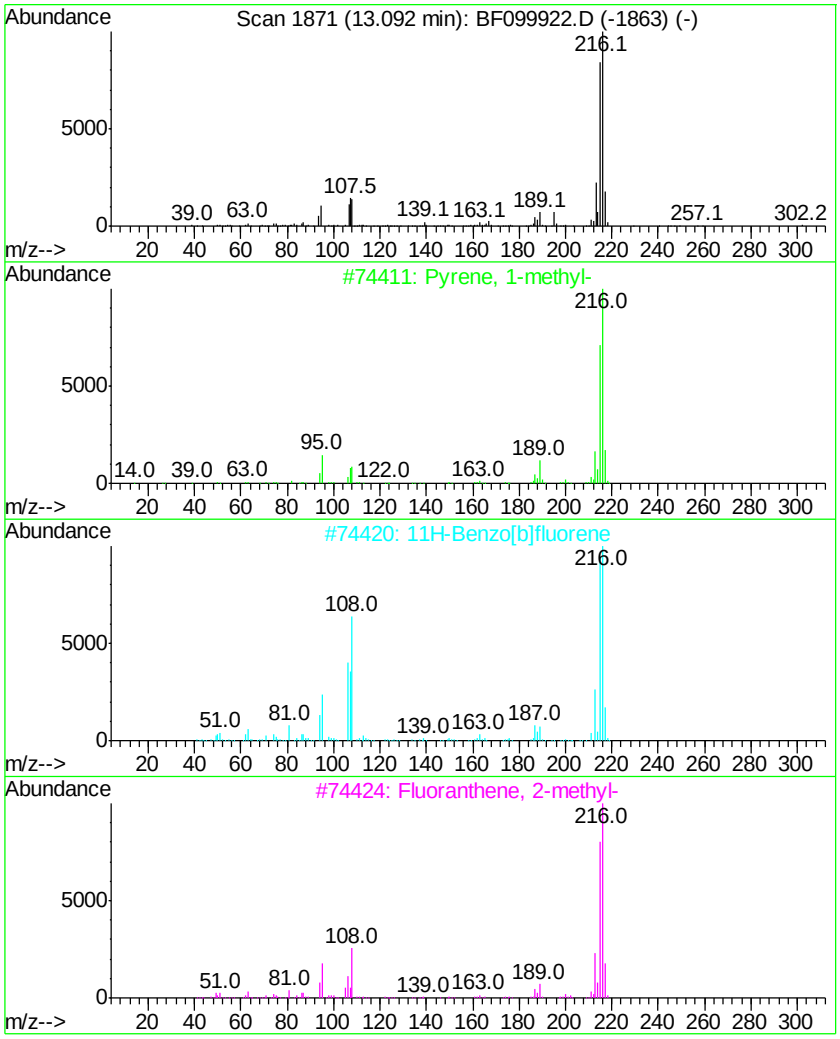
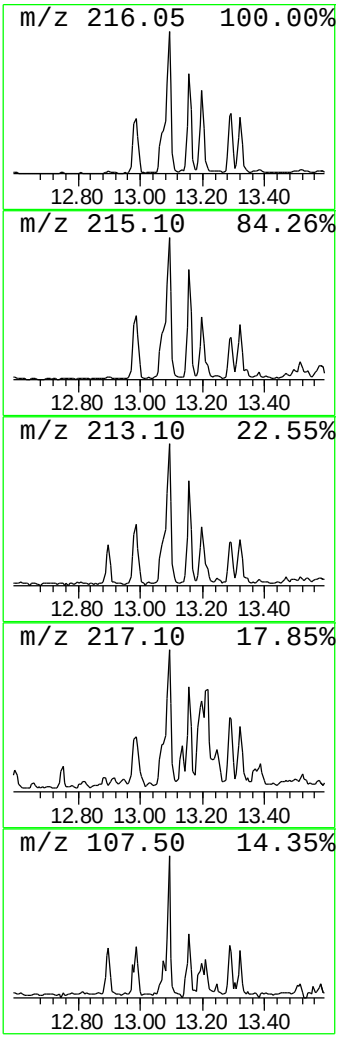
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	4.04 ng	569822	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Acq On : 28 Oct 2017 17:31
Operator : SJ/JU
Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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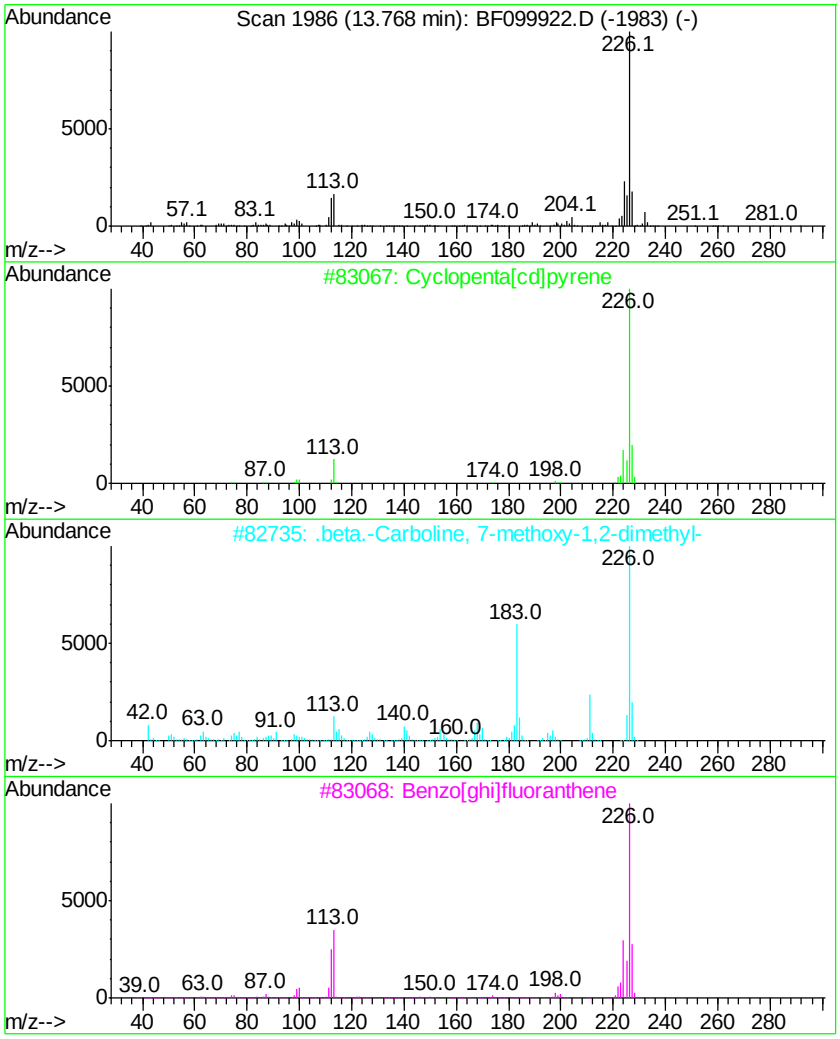
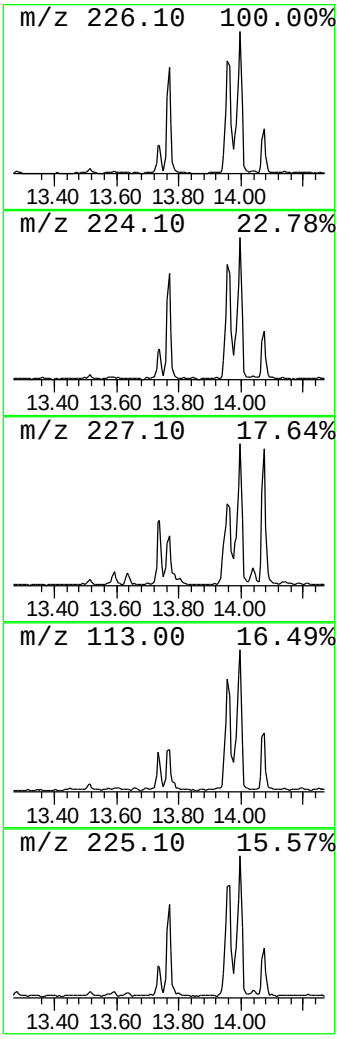
Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	4.13 ng	582689	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	46
4	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	42
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	40





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Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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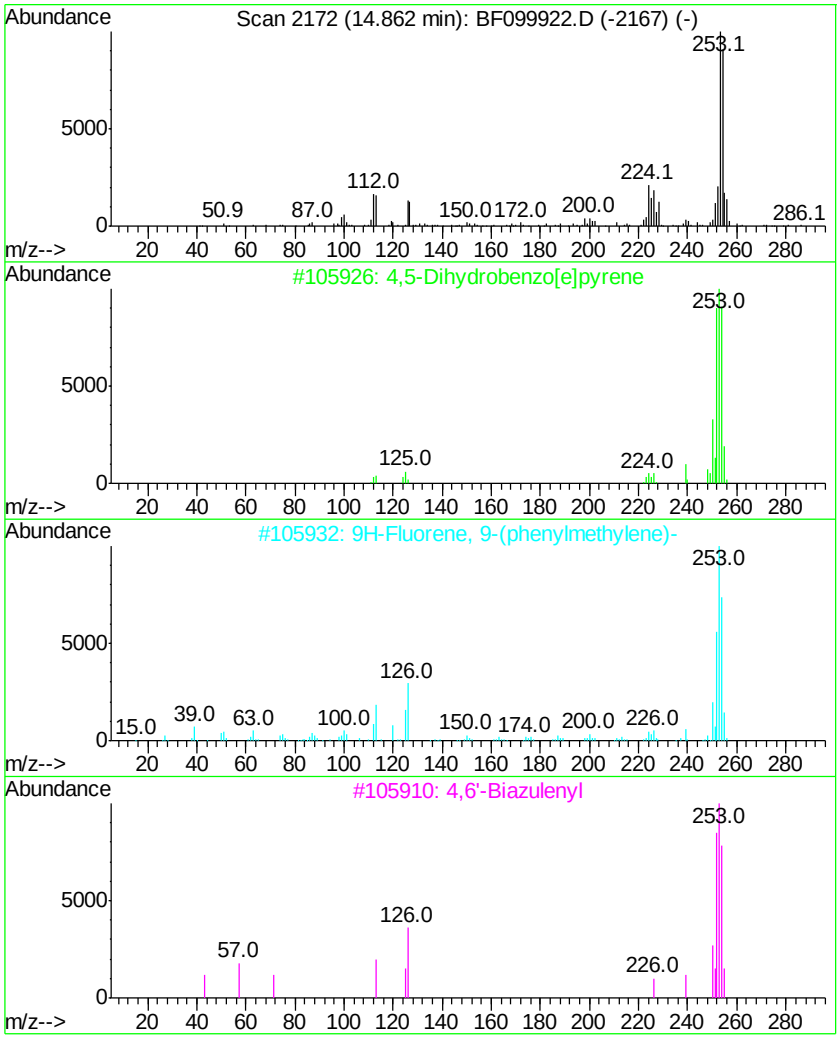
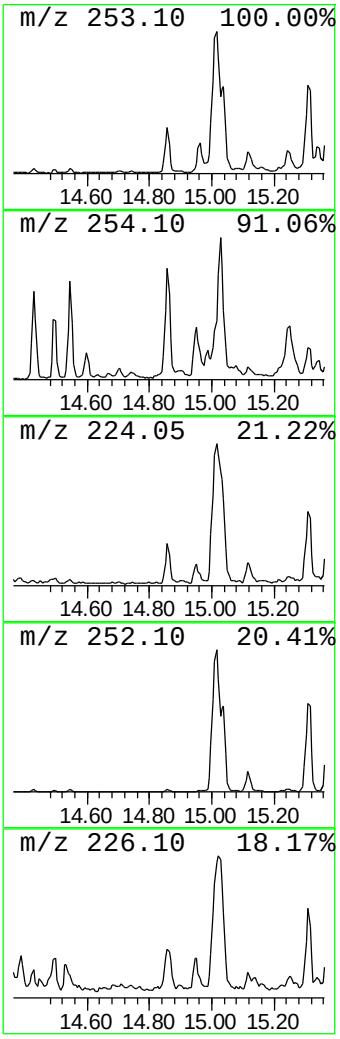
Peak Number 15 4,5-Dihydrobenzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	3.56 ng	179088	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	86
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	83
3	4,6'-Biazulenyl	254	C20H14	094154-49-1	72
4	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	72
5	1-(2-Acetoxy-4-methoxyphenyl)-2,...	454	C18H16Br2O4	1000243-60-3	64





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Operator : SJ/JU
Sample : I6077-04
Misc :
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Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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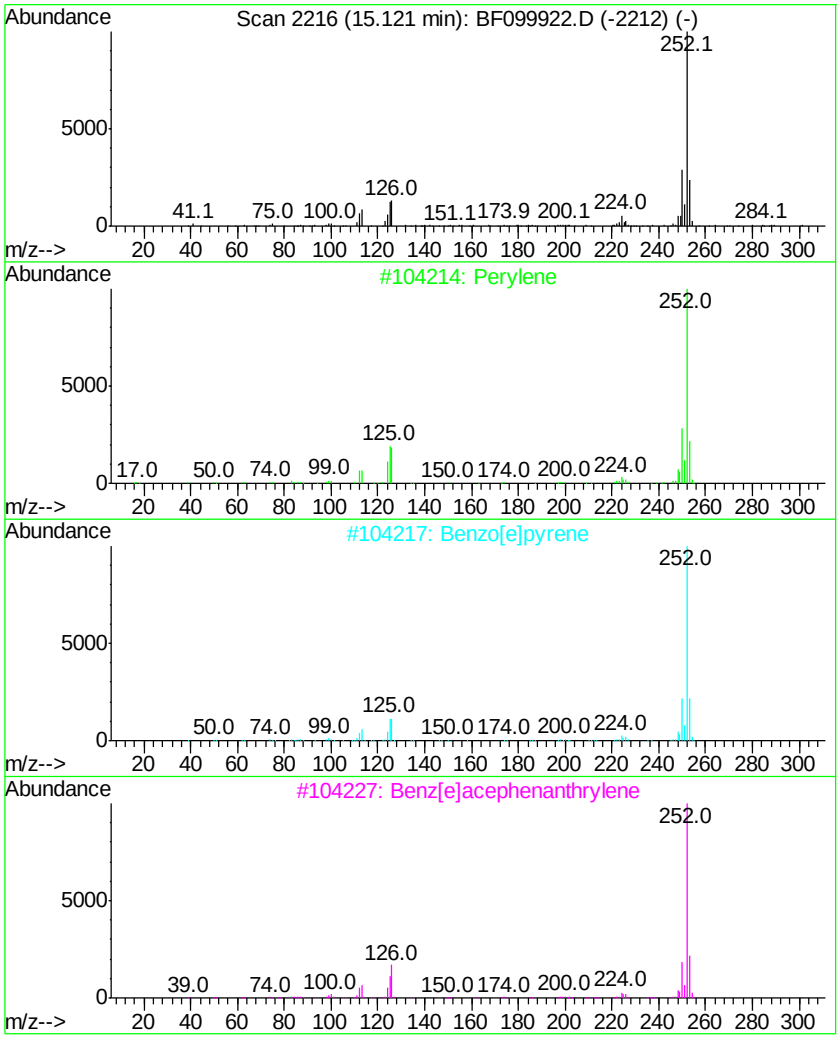
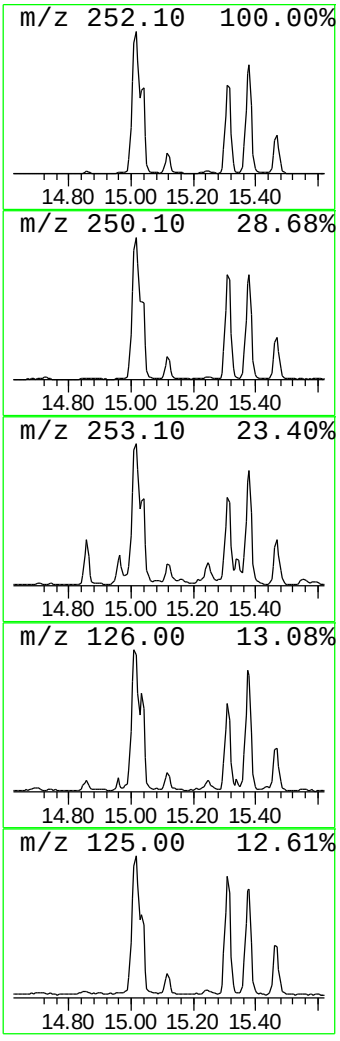
Peak Number 16 Perylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	4.28 ng	215281	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





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Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

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TIC Library : C:\DATABASE\NIST11.L
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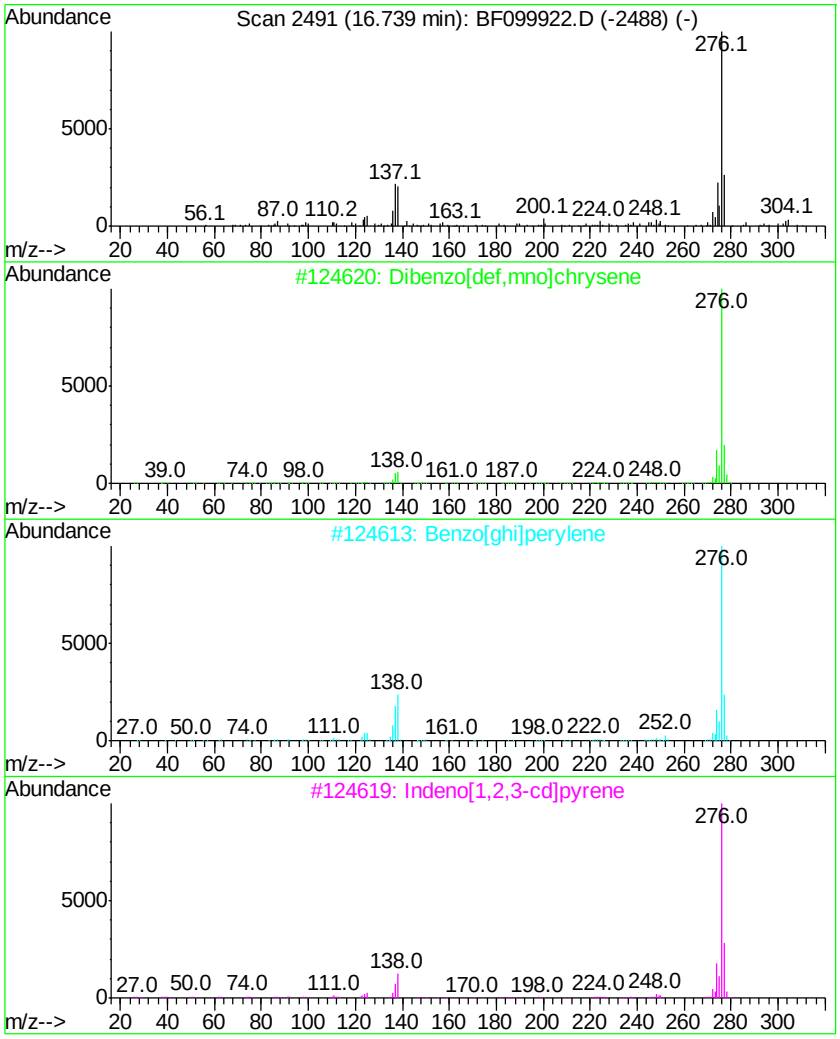
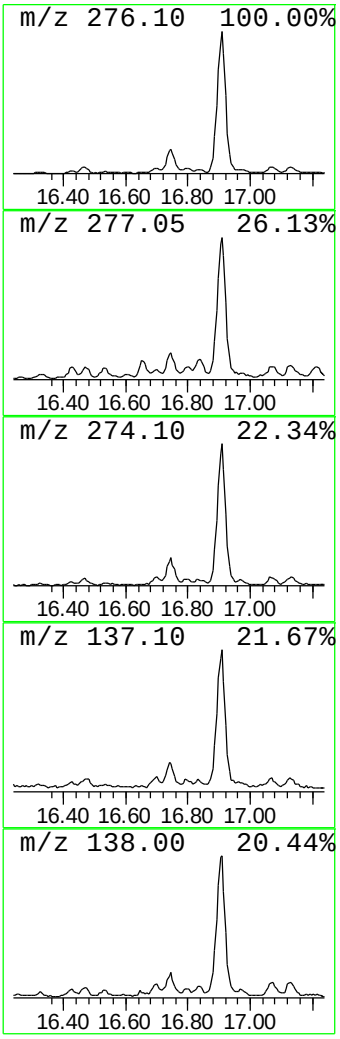
Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	3.02 ng	151857	Perylene-d12	15.44

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	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	90
5	2-Dodecyl-p-cresol	276	C19H32O	025912-91-8	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
Data File : BF099922.D
Acq On : 28 Oct 2017 17:31
Operator : SJ/JU
Sample : I6077-04
Misc :
ALS Vial : 14 Sample Multiplier: 2

Instrument : BNA_F
ClientSampleId : FILL-PILE-2-COMP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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
2-Pentanone, 4-hy...	5.01	5.8	ng	344489	1	6.79	1186120	20.0
unknown6.56	6.56	35.9	ng	2128450	1	6.79	1186120	20.0
unknown10.72	10.72	5.7	ng	377308	4	11.32	1326040	20.0
9H-Fluoren-9-one	11.13	3.0	ng	196269	4	11.32	1326040	20.0
Anthracene, 1,2,3...	11.17	5.2	ng	346365	4	11.32	1326040	20.0
Dibenzothiophene	11.21	3.2	ng	214457	4	11.32	1326040	20.0
Phenanthrene, 2-m...	11.82	4.8	ng	317496	4	11.32	1326040	20.0
4H-Cyclopenta[def...	11.93	9.5	ng	628198	4	11.32	1326040	20.0
Naphthalene, 2-ph...	12.11	3.9	ng	255471	4	11.32	1326040	20.0
9,10-Anthracenedione	12.16	3.5	ng	232707	4	11.32	1326040	20.0
Pyrene, 1-methyl-	13.09	4.0	ng	569822	5	13.97	2823060	20.0
Cyclopenta[cd]pyrene	13.77	4.1	ng	582689	5	13.97	2823060	20.0
4,5-Dihydrobenzo[...	14.86	3.6	ng	179088	6	15.44	1006260	20.0
Perylene	15.12	4.3	ng	215281	6	15.44	1006260	20.0
Dibenzo[def,mno]c...	16.74	3.0	ng	151857	6	15.44	1006260	20.0