LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110117\
Data File : BF100063.D
Acq On : 1 Nov 2017 23:43
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

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	4.987	490	493	519	rBV	142971	222984	15.84%	1.270%
2	5.398	560	563	589	rBV	1018238	1243249	88.32%	7.079%
3	6.422	734	737	756	rBV	1107570	1292245	91.80%	7.358%
4	6.551	756	759	775	rVB	1526184	1360833	96.67%	7.749%
5	6.781	794	798	807	rBV	511147	506238	35.96%	2.883%
6	6.934	820	824	841	rBV	1144948	1003591	71.29%	5.715%
7	7.351	892	895	914	rBV	820150	767027	54.49%	4.368%
8	8.063	1013	1016	1029	rBV	799947	686105	48.74%	3.907%
9	9.139	1195	1199	1202	rBV	1691332	1407660	100.00%	8.016%
10	9.539	1263	1267	1274	rBV	247365	213650	15.18%	1.217%
11	9.686	1289	1292	1298	rBV	35099	29619	2.10%	0.169%
12	9.822	1311	1315	1319	rBV	834088	701111	49.81%	3.992%
13	10.539	1434	1437	1440	rBV	50168	39994	2.84%	0.228%
14	10.622	1447	1451	1460	rBV	735169	711328	50.53%	4.050%
15	10.716	1464	1467	1472	rVB	13906	16927	1.20%	0.096%
16	11.327	1567	1571	1573	rBV	651053	588898	41.84%	3.353%
17	11.351	1573	1575	1580	rVB	96539	80185	5.70%	0.457%
18	11.410	1581	1585	1589	rBV	49381	49871	3.54%	0.284%
19	11.863	1657	1662	1664	rBV2	46578	66190	4.70%	0.377%
20	11.880	1664	1665	1672	rVB2	40951	37604	2.67%	0.214%
21	11.969	1677	1680	1683	rVV	60211	65598	4.66%	0.374%
22	11.992	1683	1684	1690	rVB	19087	18204	1.29%	0.104%
23	12.169	1710	1714	1718	rBV	18338	18765	1.33%	0.107%
24	12.451	1759	1762	1764	rBV	23358	23346	1.66%	0.133%
25	12.563	1779	1781	1789	rVB	33711	36183	2.57%	0.206%
26	12.633	1789	1793	1799	rBV	544349	495846	35.22%	2.823%
27	12.745	1809	1812	1820	rVB2	16952	23858	1.69%	0.136%
28	12.810	1820	1823	1825	rBV	20903	18470	1.31%	0.105%
29	12.898	1831	1838	1842	rBV	468055	528781	37.56%	3.011%
30	12.957	1846	1848	1853	rVB2	17248	19567	1.39%	0.111%
31	13.057	1860	1865	1869	rBV	1023690	1037654	73.71%	5.909%
32	13.104	1870	1873	1877	rVB	19611	20568	1.46%	0.117%
33	13.151	1877	1881	1889	rBV4	28873	51909	3.69%	0.296%
34	13.257	1895	1899	1901	rBV2	23745	31522	2.24%	0.179%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110117\
Data File : BF100063.D
Acq On : 1 Nov 2017 23:43
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

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	13.292	1902	1905	1909	rVB	64643	70375	5.00%	0.401%
36	13.368	1915	1918	1922	rBV	54318	54558	3.88%	0.311%
37	13.416	1922	1926	1931	rVB2	41522	55906	3.97%	0.318%
38	13.533	1942	1946	1949	rVB	26274	25690	1.83%	0.146%
39	13.568	1949	1952	1960	rBV2	23018	35077	2.49%	0.200%
40	13.757	1980	1984	1987	rBV5	11798	18407	1.31%	0.105%
41	13.945	2013	2016	2020	rVB	17910	19699	1.40%	0.112%
42	14.074	2033	2038	2040	rBV	26905	37792	2.68%	0.215%
43	14.098	2040	2042	2046	rVV	37811	42665	3.03%	0.243%
44	14.139	2046	2049	2052	rVV	31280	35550	2.53%	0.202%
45	14.198	2056	2059	2062	rVV2	41676	63817	4.53%	0.363%
46	14.227	2062	2064	2070	rVB2	41899	50746	3.60%	0.289%
47	14.298	2070	2076	2083	rBV2	13127	21948	1.56%	0.125%
48	14.404	2085	2094	2098	rBV2	523607	911346	64.74%	5.189%
49	14.439	2098	2100	2105	rVB	190531	216555	15.38%	1.233%
50	14.551	2115	2119	2124	rVB	32904	42416	3.01%	0.242%
51	14.639	2129	2134	2141	rBV6	20708	43256	3.07%	0.246%
52	14.704	2141	2145	2149	rBV2	18955	29665	2.11%	0.169%
53	14.745	2149	2152	2156	rBV2	13474	18009	1.28%	0.103%
54	14.951	2180	2187	2191	rBV	47568	77508	5.51%	0.441%
55	14.998	2192	2195	2199	rVB2	19697	24385	1.73%	0.139%
56	15.068	2201	2207	2208	rBV4	14042	22869	1.62%	0.130%
57	15.092	2208	2211	2214	rVV2	26640	33791	2.40%	0.192%
58	15.121	2214	2216	2220	rVV4	23192	33395	2.37%	0.190%
59	15.162	2220	2223	2227	rVB	28818	32402	2.30%	0.185%
60	15.321	2246	2250	2254	rVB5	18113	26075	1.85%	0.148%
61	15.509	2278	2282	2285	rBV5	12631	21069	1.50%	0.120%
62	15.668	2305	2309	2315	rVB2	22493	38947	2.77%	0.222%
63	15.733	2315	2320	2326	rVB9	12587	26902	1.91%	0.153%
64	15.862	2337	2342	2346	rBV	236475	385160	27.36%	2.193%
65	15.898	2346	2348	2356	rVB2	106640	141934	10.08%	0.808%
66	16.004	2362	2366	2370	rBV	58882	79773	5.67%	0.454%
67	16.168	2392	2394	2400	rVB6	15791	25736	1.83%	0.147%
68	16.239	2400	2406	2410	rBV	135136	187253	13.30%	1.066%
69	16.315	2415	2419	2424	rBV	210416	265984	18.90%	1.515%
70	16.386	2426	2431	2435	rBV	363022	473768	33.66%	2.698%
71	16.421	2435	2437	2442	rVB	33795	42990	3.05%	0.245%

LSC Area Percent Report

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Data File : BF100063.D
Acq On : 1 Nov 2017 23:43
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

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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Peak separation: 5

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

72	16.745	2490	2492	2497	rVB5	18196	23060	1.64%	0.131%
73	16.927	2520	2523	2528	rVB7	17992	23392	1.66%	0.133%
74	17.009	2534	2537	2543	rVB6	14124	24961	1.77%	0.142%
75	17.539	2624	2627	2634	rVB8	11941	16147	1.15%	0.092%
76	17.674	2648	2650	2656	rVB7	11410	16430	1.17%	0.094%
77	17.998	2697	2705	2714	rBV2	78190	169484	12.04%	0.965%
78	18.186	2733	2737	2741	rVB3	13149	21580	1.53%	0.123%
79	18.468	2780	2785	2796	rBV	53701	117499	8.35%	0.669%

Sum of corrected areas: 17561551

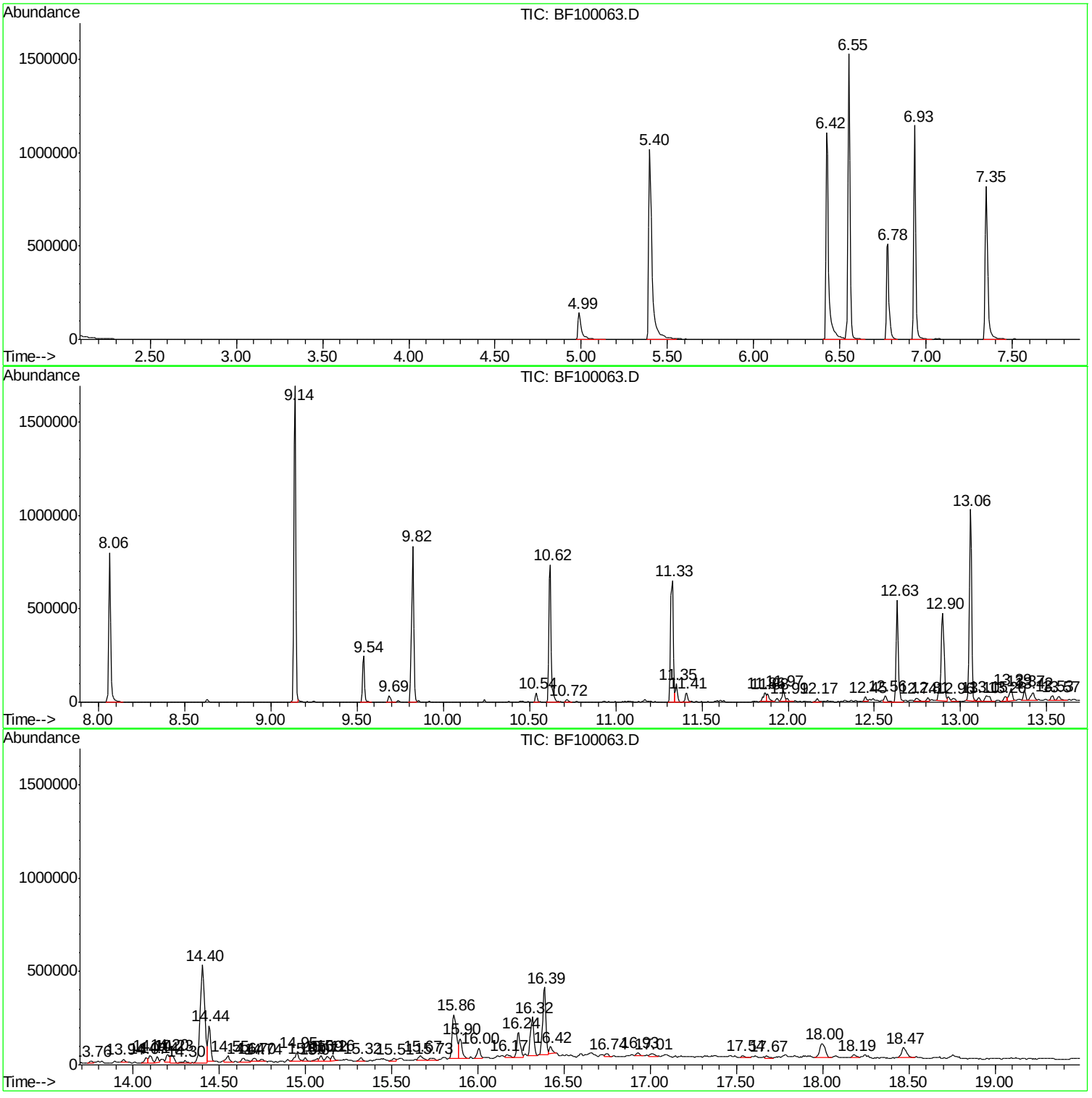
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110117\
Data File : BF100063.D
Acq On : 1 Nov 2017 23:43
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-109-3(0-5)

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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Data File : BF100063.D
Acq On : 1 Nov 2017 23:43
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

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

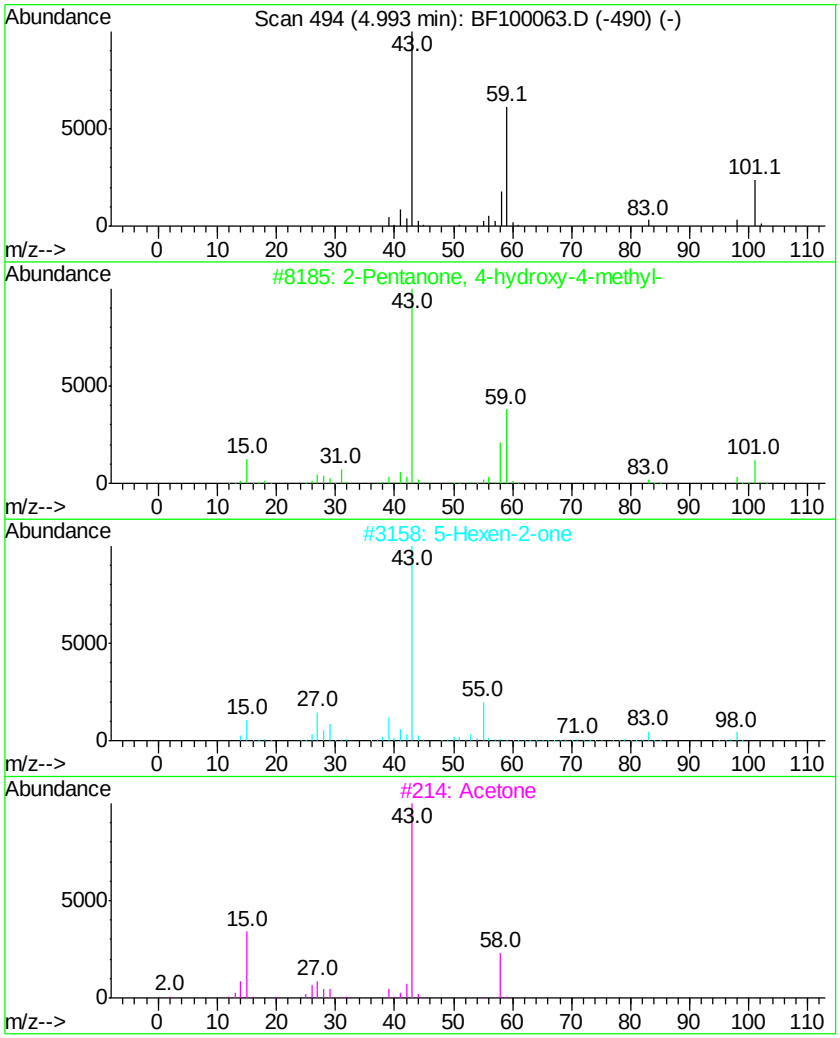
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

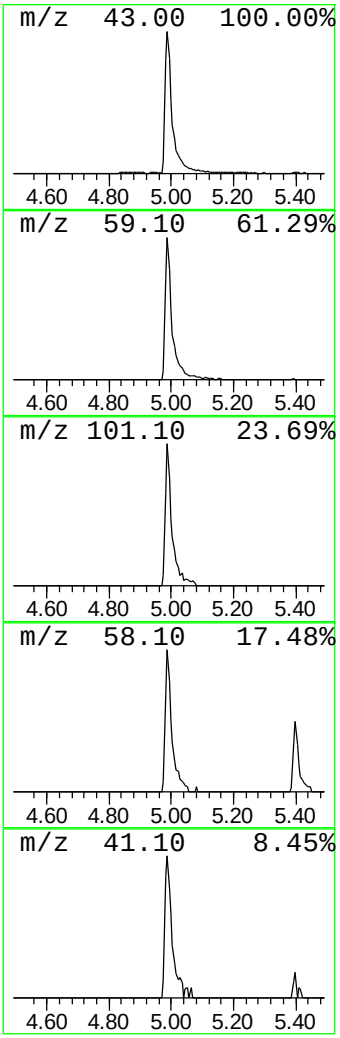
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	8.81 ng	222984	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	Acetone	58	C3H6O	000067-64-1	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110117\
Data File : BF100063.D
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Operator : SJ/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

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

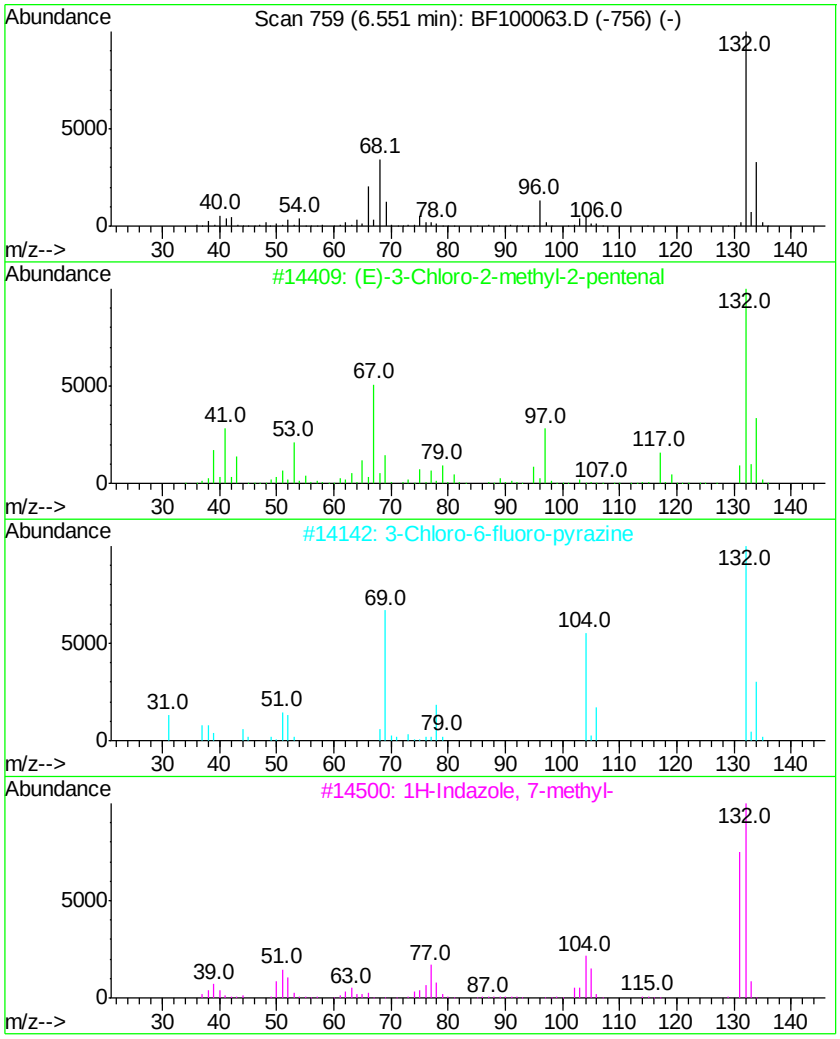
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

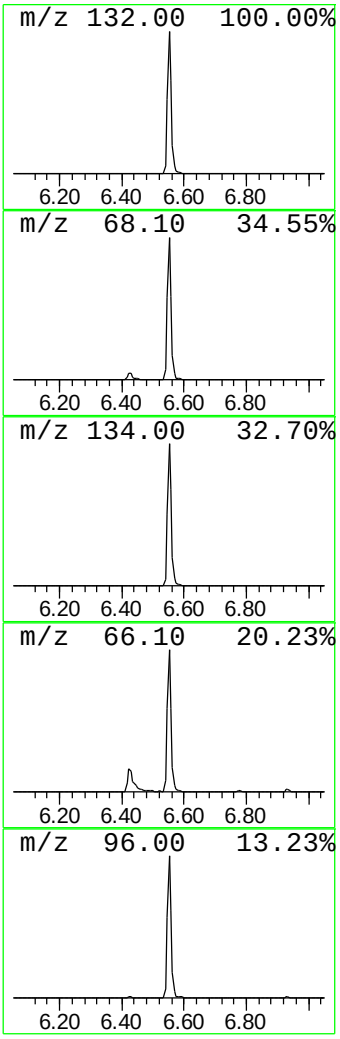
****

Peak Number 2 unknown6.55 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	53.76 ng	1360830	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110117\
Data File : BF100063.D
Acq On : 1 Nov 2017 23:43
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

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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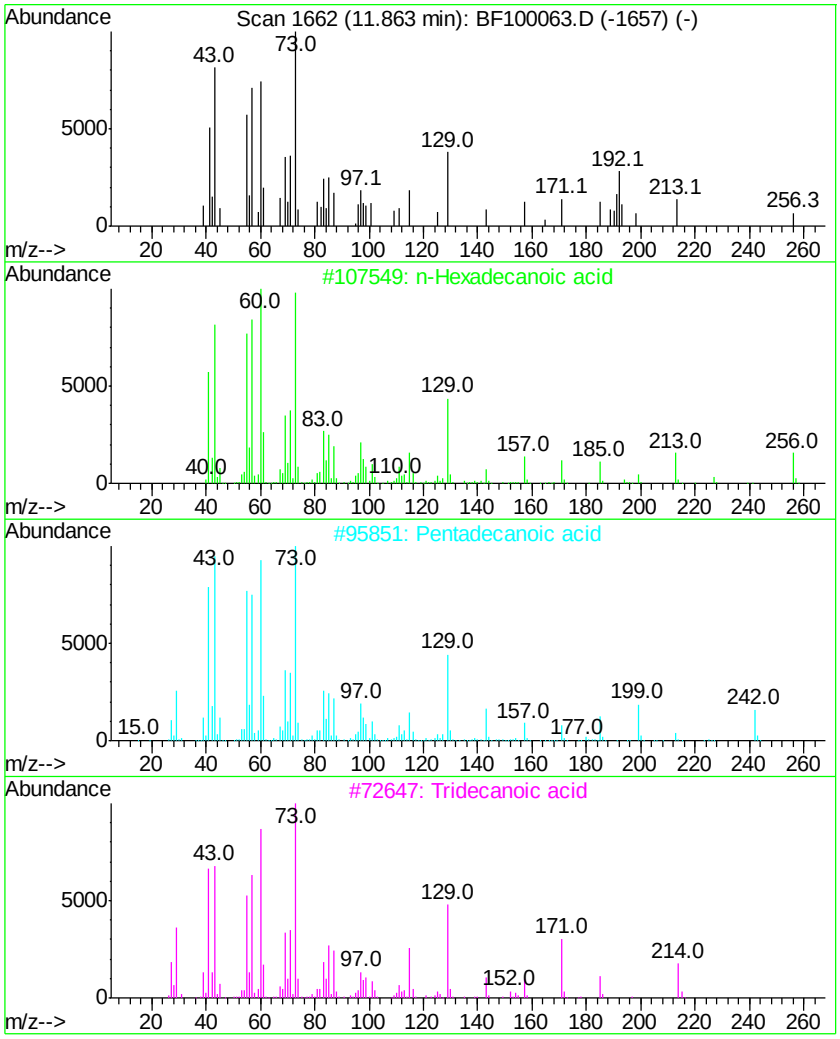
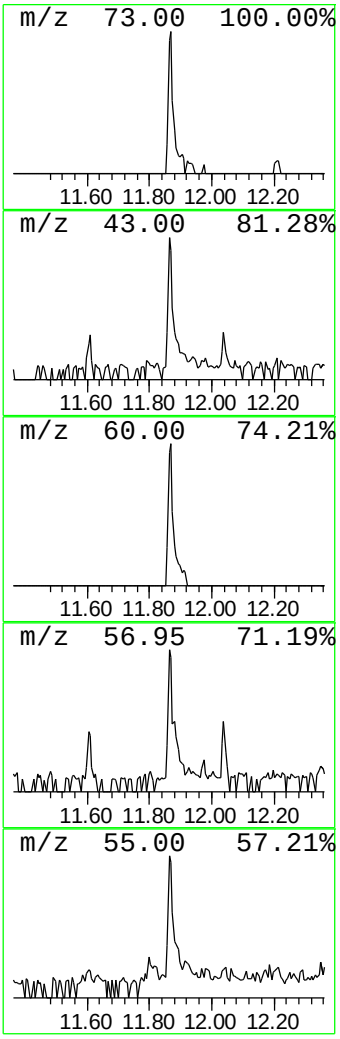
Peak Number 4 n-Hexadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.25 ng	66190	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
3	Tridecanoic acid	214	C13H26O2	000638-53-9	62
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
5	Dodecanoic acid	200	C12H24O2	000143-07-7	58





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Data File : BF100063.D
Acq On : 1 Nov 2017 23:43
Operator : SJ/JU
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Misc :
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Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

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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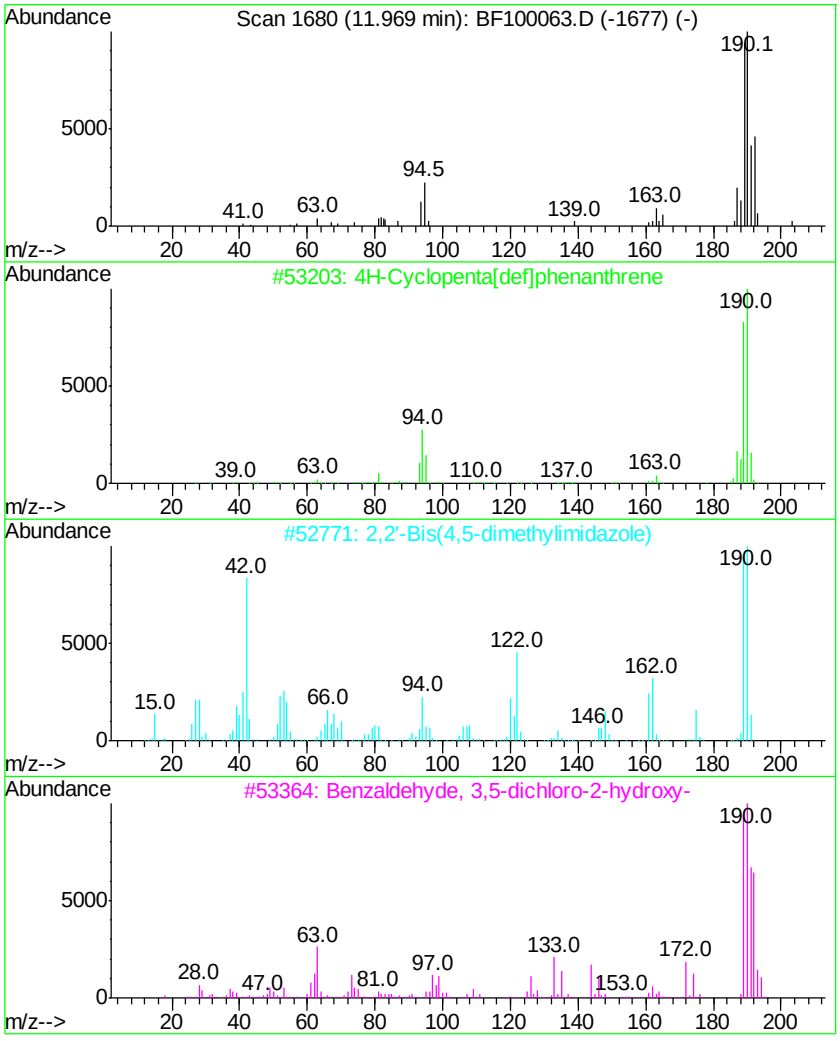
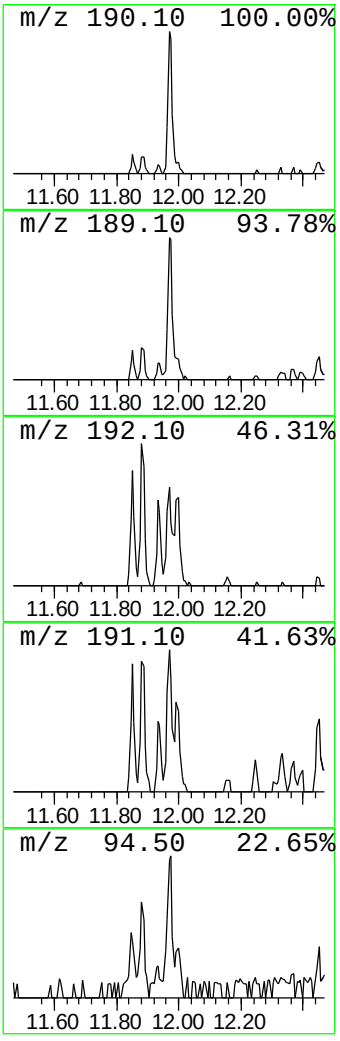
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.23 ng	65598	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	33
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	28





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110117\
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Misc :
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Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

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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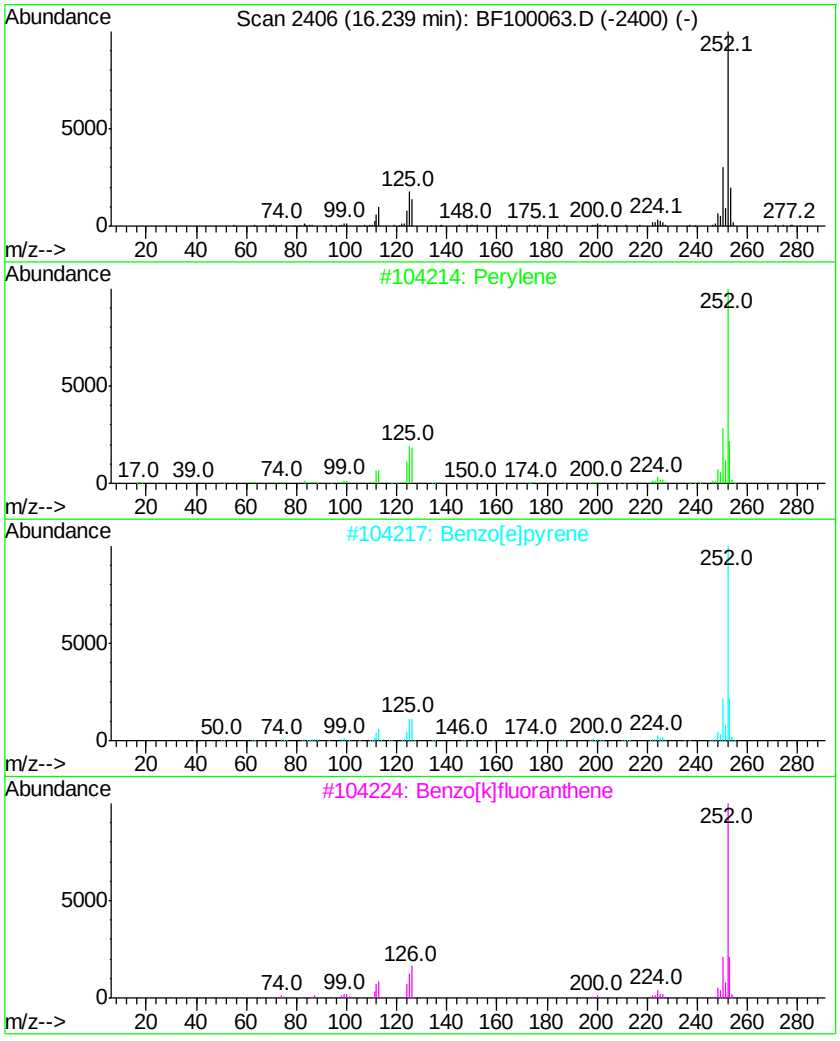
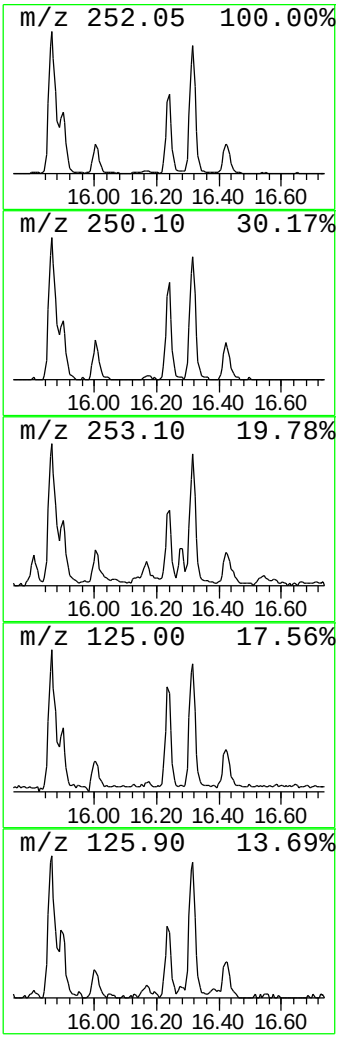
Peak Number 10 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	7.90 ng	187253	Perylene-d12	16.39

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	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110117\
Data File : BF100063.D
Acq On : 1 Nov 2017 23:43
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

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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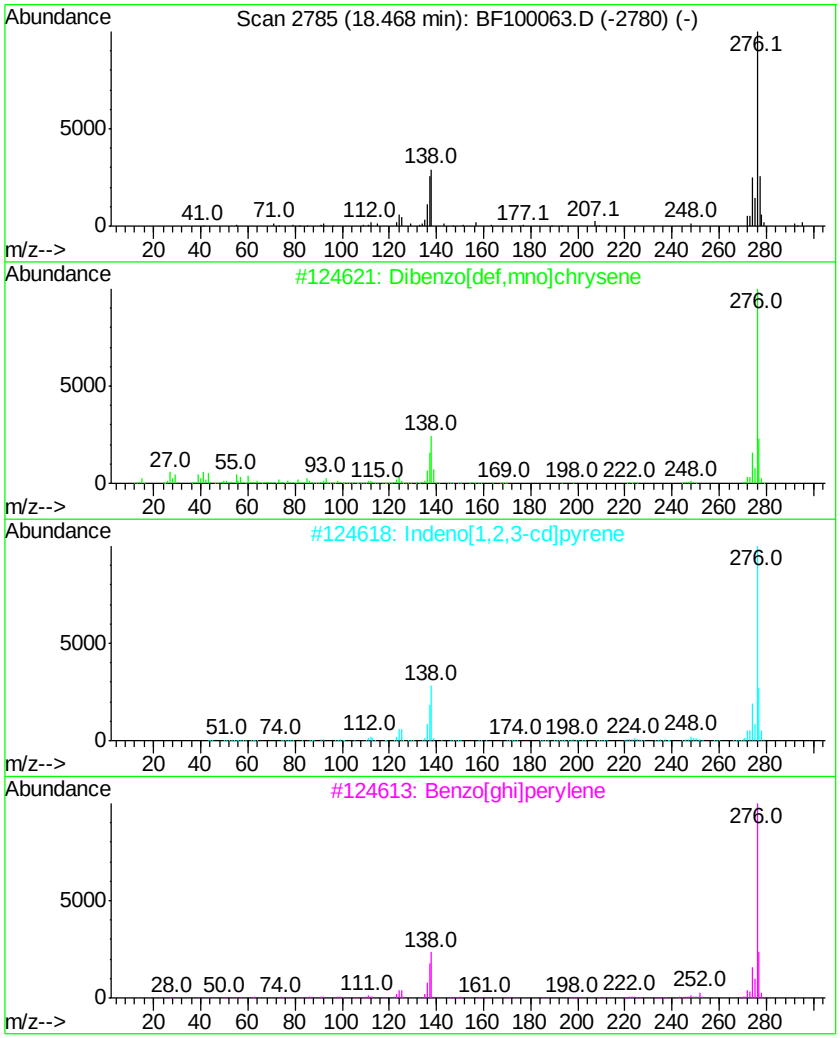
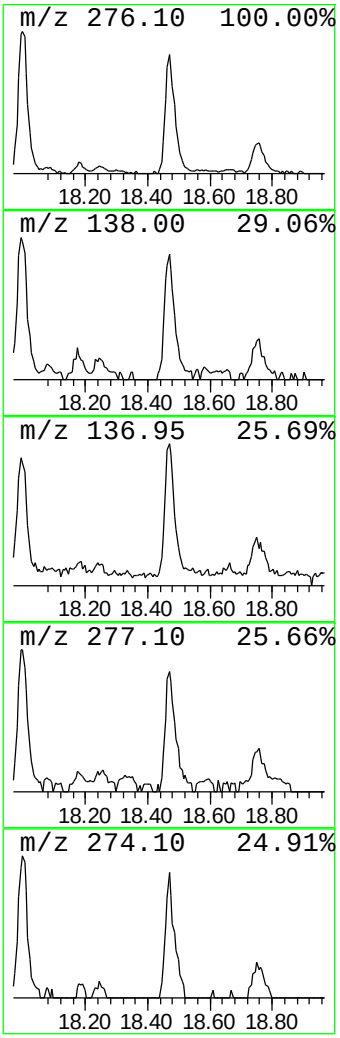
Peak Number 13 Dibenzo[def,mno]chrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	4.96 ng	117499	Perylene-d12	16.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	94
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	43





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF110117\
Data File : BF100063.D
Acq On : 1 Nov 2017 23:43
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

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...	4.99	8.8	ng	222984	1	6.78	506238	20.0
unknown6.55	6.55	53.8	ng	1360830	1	6.78	506238	20.0
n-Hexadecanoic acid	11.86	2.3	ng	66190	4	11.33	588898	20.0
4H-Cyclopenta[def...	11.97	2.2	ng	65598	4	11.33	588898	20.0
Perylene	16.24	7.9	ng	187253	6	16.39	473768	20.0
Dibenzo[def,mno]c...	18.47	5.0	ng	117499	6	16.39	473768	20.0