LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106943.D
Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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	5.178	480	483	493	rBV	61943	70017	5.49%	0.419%
2	5.590	549	553	567	rVB	681184	622190	48.79%	3.724%
3	6.590	719	723	736	rBV	702268	620794	48.68%	3.716%
4	6.725	743	746	750	rBV	777750	644713	50.56%	3.859%
5	6.954	781	785	788	rBV	435919	378136	29.65%	2.263%
6	7.107	807	811	814	rBV	576446	466326	36.57%	2.791%
7	7.513	876	880	890	rBV	438716	372531	29.21%	2.230%
8	8.237	999	1003	1005	rBV	501444	439180	34.44%	2.629%
9	8.254	1005	1006	1013	rVB	82996	64895	5.09%	0.388%
10	8.948	1121	1124	1129	rBB	22907	20596	1.62%	0.123%
11	9.048	1137	1141	1146	rVB	34584	29779	2.34%	0.178%
12	9.307	1181	1185	1194	rBV	641812	564001	44.23%	3.376%
13	9.648	1240	1243	1246	rBV	24896	23580	1.85%	0.141%
14	9.701	1249	1252	1256	rVB	60287	58674	4.60%	0.351%
15	9.854	1275	1278	1282	rBB	26409	22669	1.78%	0.136%
16	9.901	1282	1286	1289	rBV	15478	13535	1.06%	0.081%
17	9.995	1298	1302	1305	rBV	451255	421745	33.07%	2.524%
18	10.025	1305	1307	1312	rVB	326147	248236	19.47%	1.486%
19	10.148	1323	1328	1332	rBV2	14210	15502	1.22%	0.093%
20	10.195	1332	1336	1340	rVV	102265	102276	8.02%	0.612%
21	10.401	1364	1371	1376	rBV2	26553	29263	2.29%	0.175%
22	10.542	1391	1395	1400	rVB	170150	144544	11.34%	0.865%
23	10.625	1407	1409	1412	rVB2	21501	17720	1.39%	0.106%
24	10.695	1419	1421	1425	rVB	29503	25936	2.03%	0.155%
25	10.783	1432	1436	1442	rBV2	385980	363949	28.54%	2.178%
26	10.878	1448	1452	1455	rBV2	18565	23116	1.81%	0.138%
27	11.089	1481	1488	1491	rBV2	31245	41452	3.25%	0.248%
28	11.119	1491	1493	1496	rVV2	17200	16208	1.27%	0.097%
29	11.213	1505	1509	1511	rBV2	14538	16472	1.29%	0.099%
30	11.236	1511	1513	1519	rVV3	14206	18904	1.48%	0.113%
31	11.289	1519	1522	1525	rVV3	14306	12955	1.02%	0.078%
32	11.325	1525	1528	1535	rVV5	23670	34887	2.74%	0.209%
33	11.383	1535	1538	1543	rVB	50740	42725	3.35%	0.256%
34	11.483	1552	1555	1557	rBV	434599	402903	31.60%	2.411%

LSC Area Percent Report

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Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.507	1557	1559	1563	rVV	637728	581206	45.58%	3.479%
36	11.560	1565	1568	1572	rVV	187419	168384	13.20%	1.008%
37	11.595	1572	1574	1579	rVB	22300	25514	2.00%	0.153%
38	11.719	1590	1595	1599	rBV2	49934	59159	4.64%	0.354%
39	11.778	1603	1605	1607	rBV	20888	15030	1.18%	0.090%
40	11.819	1609	1612	1614	rBV2	18251	19248	1.51%	0.115%
41	11.989	1637	1641	1643	rBV	85026	80949	6.35%	0.485%
42	12.019	1643	1646	1649	rVB	110506	100442	7.88%	0.601%
43	12.066	1651	1654	1657	rVV	54037	51147	4.01%	0.306%
44	12.101	1657	1660	1663	rVV2	185380	213145	16.71%	1.276%
45	12.125	1663	1664	1667	rVB	62559	32857	2.58%	0.197%
46	12.283	1688	1691	1694	rVV	75306	65276	5.12%	0.391%
47	12.313	1694	1696	1701	rVB	36287	34710	2.72%	0.208%
48	12.430	1714	1716	1719	rVB2	27621	26839	2.10%	0.161%
49	12.466	1719	1722	1724	rVV	21959	15785	1.24%	0.094%
50	12.489	1724	1726	1729	rVB	19465	13590	1.07%	0.081%
51	12.542	1731	1735	1737	rBV	59613	60636	4.76%	0.363%
52	12.577	1739	1741	1743	rVV3	32024	34118	2.68%	0.204%
53	12.630	1746	1750	1754	rBV4	26537	37439	2.94%	0.224%
54	12.707	1759	1763	1766	rBV	1099739	965105	75.68%	5.776%
55	12.736	1766	1768	1771	rVB2	61453	56586	4.44%	0.339%
56	12.766	1771	1773	1776	rVB	30297	23290	1.83%	0.139%
57	12.801	1776	1779	1781	rBV	17567	14151	1.11%	0.085%
58	12.860	1786	1789	1791	rBV	27472	23969	1.88%	0.143%
59	12.919	1795	1799	1800	rBV2	205186	215430	16.89%	1.289%
60	12.936	1800	1802	1807	rVB	923581	833468	65.36%	4.989%
61	12.983	1807	1810	1815	rVB2	47681	51682	4.05%	0.309%
62	13.066	1819	1824	1827	rBV	732590	628566	49.29%	3.762%
63	13.095	1827	1829	1831	rVB	46241	36051	2.83%	0.216%
64	13.148	1834	1838	1842	rBV2	66263	107279	8.41%	0.642%
65	13.260	1849	1857	1861	rBV	172603	229231	17.98%	1.372%
66	13.330	1866	1869	1871	rBV	129610	114427	8.97%	0.685%
67	13.366	1871	1875	1878	rBV2	88377	107174	8.40%	0.641%
68	13.460	1889	1891	1893	rBV	60768	44818	3.51%	0.268%
69	13.489	1893	1896	1899	rVV2	56850	50192	3.94%	0.300%
70	13.683	1927	1929	1931	rVB2	28053	21451	1.68%	0.128%
71	13.742	1937	1939	1942	rBV3	34458	40024	3.14%	0.240%

LSC Area Percent Report

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Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.772	1942	1944	1948	rVB	57451	61163	4.80%	0.366%
73	13.883	1960	1963	1965	rBV	82223	79695	6.25%	0.477%
74	13.913	1965	1968	1970	rVV	92055	87668	6.87%	0.525%
75	13.942	1970	1973	1978	rVV3	99326	157236	12.33%	0.941%
76	13.983	1978	1980	1984	rVB	54805	53299	4.18%	0.319%
77	14.136	1998	2006	2009	rBV2	807005	1275176	100.00%	7.632%
78	14.166	2009	2011	2018	rVB	513358	450872	35.36%	2.699%
79	14.219	2018	2020	2022	rBV2	27913	23999	1.88%	0.144%
80	14.242	2022	2024	2027	rBV	108207	103274	8.10%	0.618%
81	14.366	2041	2045	2048	rVB2	47258	64427	5.05%	0.386%
82	14.489	2063	2066	2068	rBV	49288	43548	3.42%	0.261%
83	14.524	2068	2072	2076	rVV	101017	126876	9.95%	0.759%
84	14.560	2076	2078	2082	rVV	49163	51997	4.08%	0.311%
85	14.654	2092	2094	2096	rBV	46438	42513	3.33%	0.254%
86	14.677	2096	2098	2101	rVB	65730	63952	5.02%	0.383%
87	14.854	2126	2128	2131	rBV3	34975	35794	2.81%	0.214%
88	15.048	2158	2161	2166	rBV3	48041	57543	4.51%	0.344%
89	15.218	2185	2190	2193	rBV	353841	565158	44.32%	3.383%
90	15.330	2206	2209	2213	rBV	75587	96866	7.60%	0.580%
91	15.542	2240	2245	2251	rVB	201851	282145	22.13%	1.689%
92	15.607	2251	2256	2260	rBV	320987	407284	31.94%	2.438%
93	15.671	2263	2267	2271	rBV	338033	423876	33.24%	2.537%
94	17.242	2529	2534	2543	rVB2	118735	259495	20.35%	1.553%
95	17.724	2610	2616	2627	rVB	103567	239033	18.75%	1.431%
96	17.983	2656	2660	2668	rVB4	25974	66067	5.18%	0.395%

Sum of corrected areas: 16707733

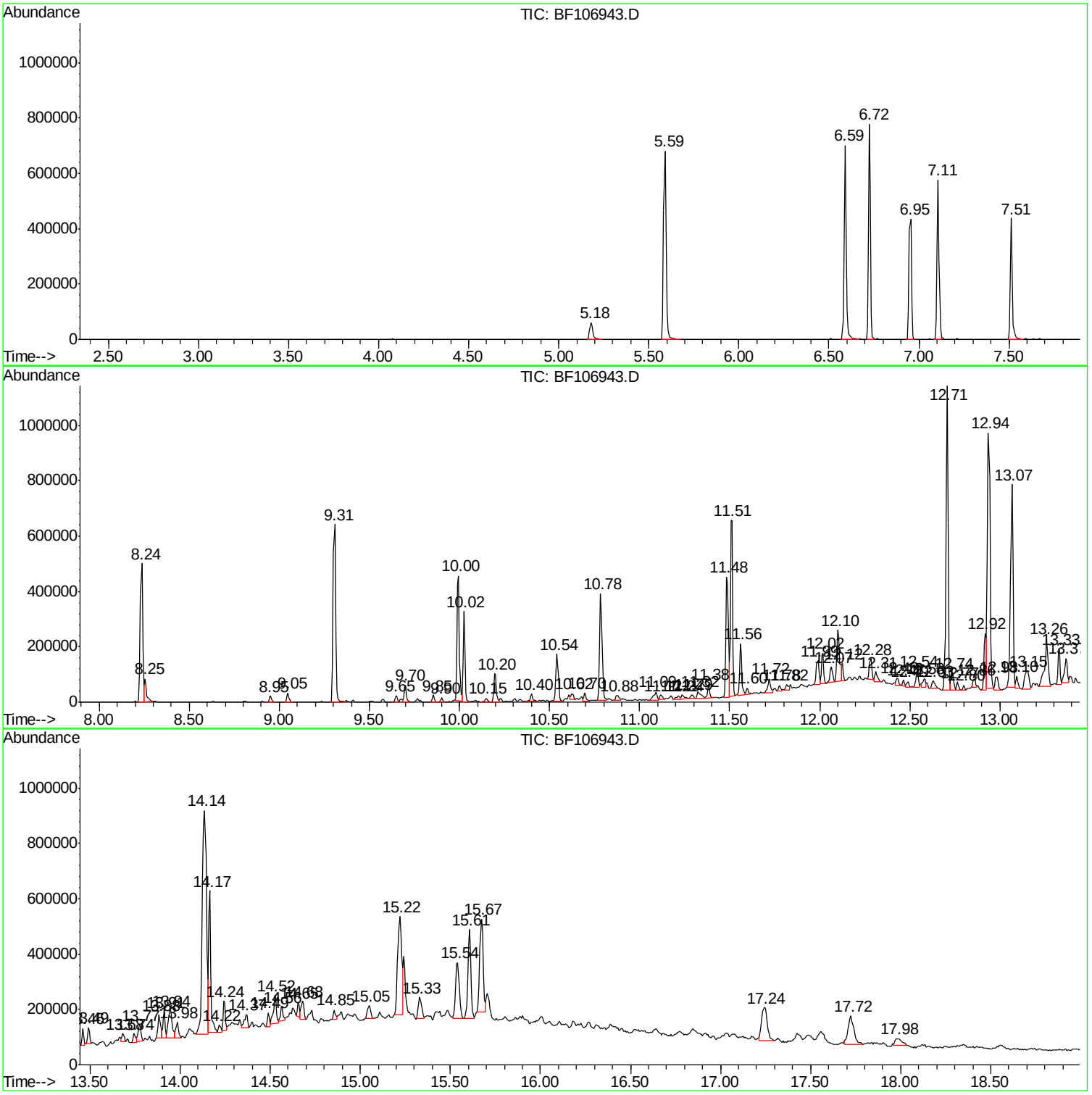
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106943.D
Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106943.D
Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

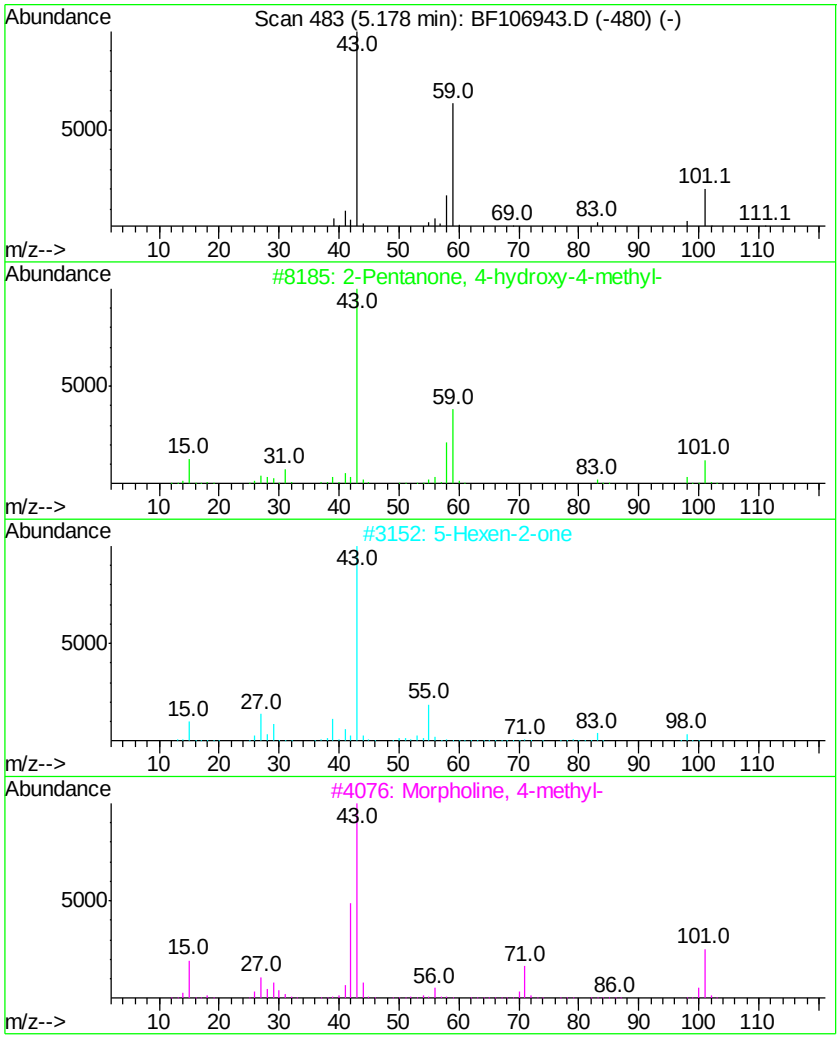
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

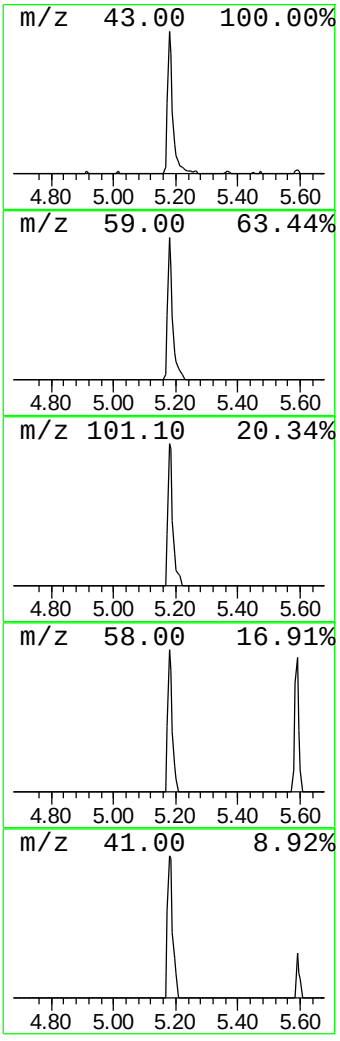
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	3.70 ng	70017	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106943.D
Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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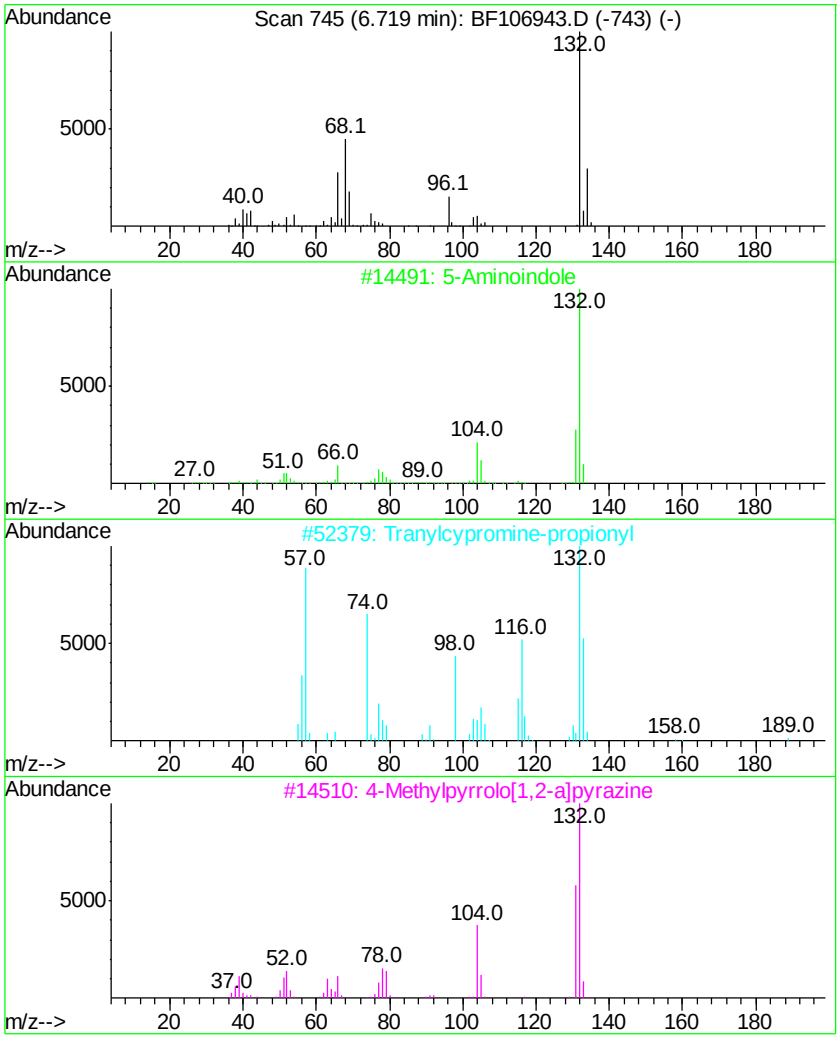
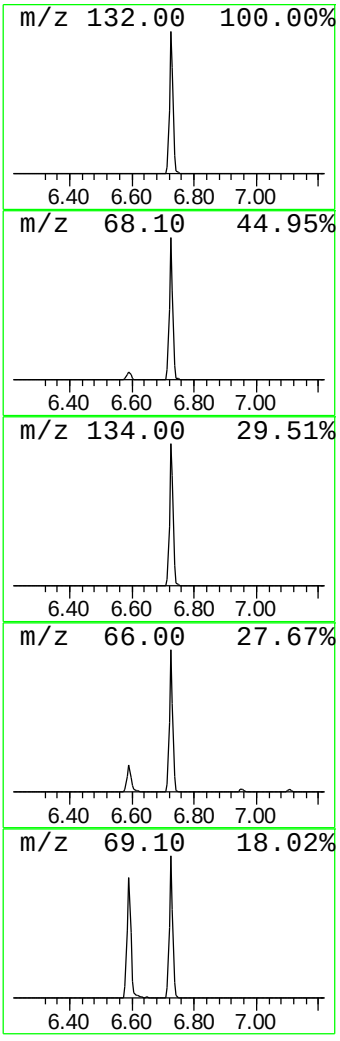
****

Peak Number 2 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	34.10 ng	644713	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106943.D
Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

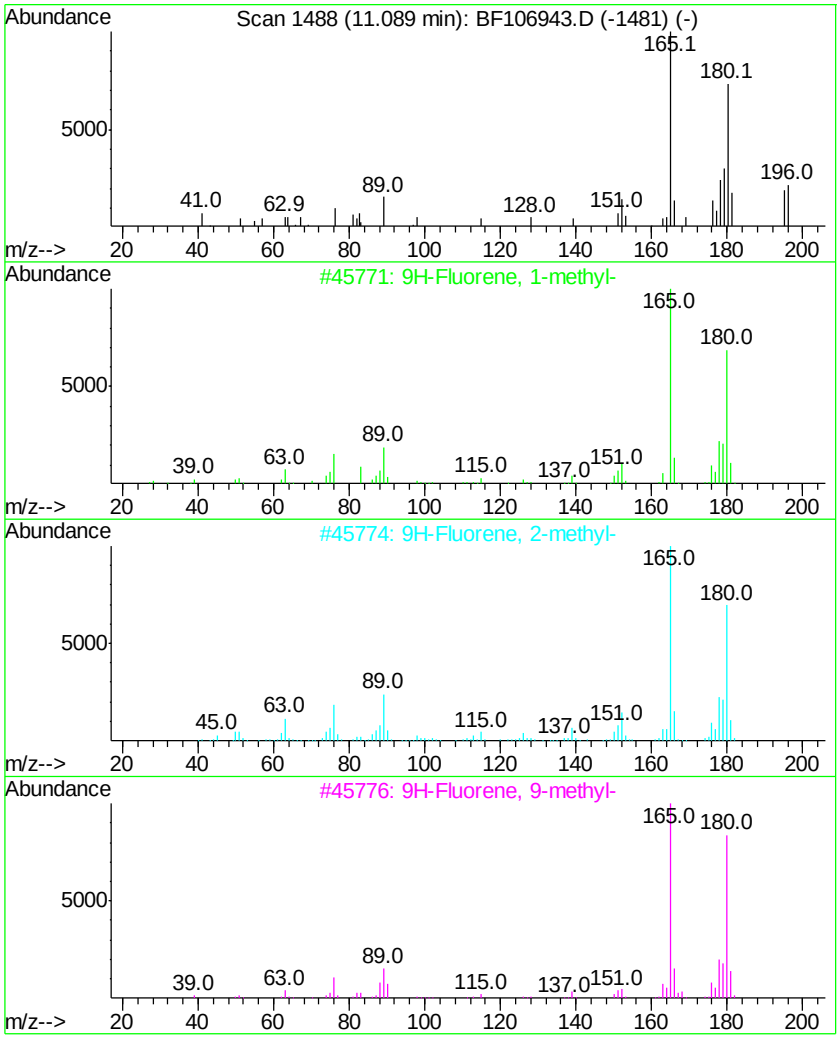
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

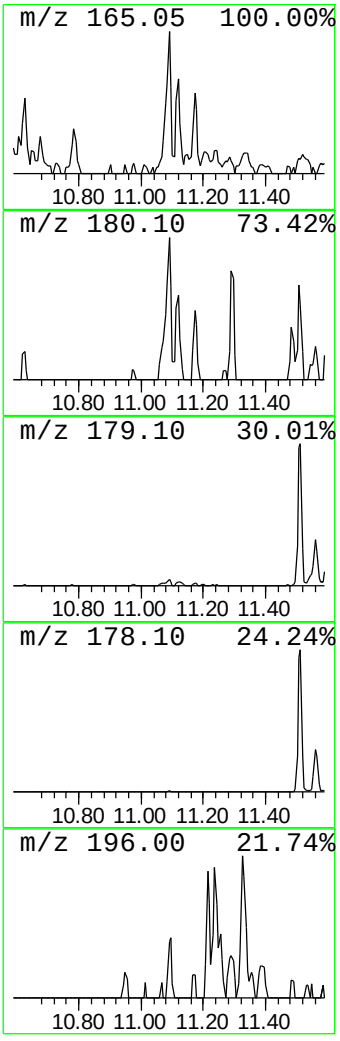
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	2.06 ng	41452	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106943.D
Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

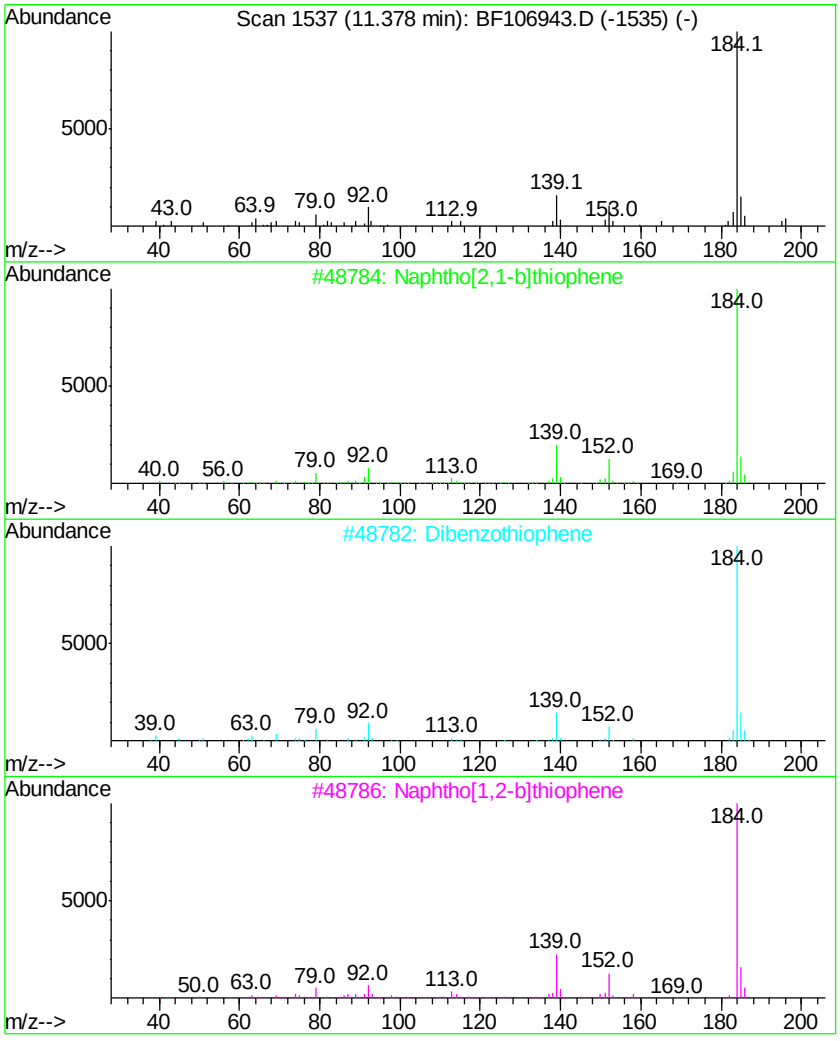
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

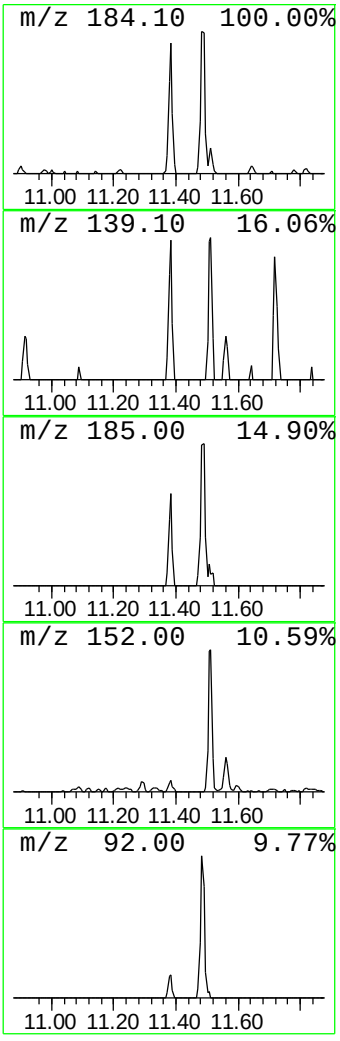
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	2.12 ng	42725	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106943.D
Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

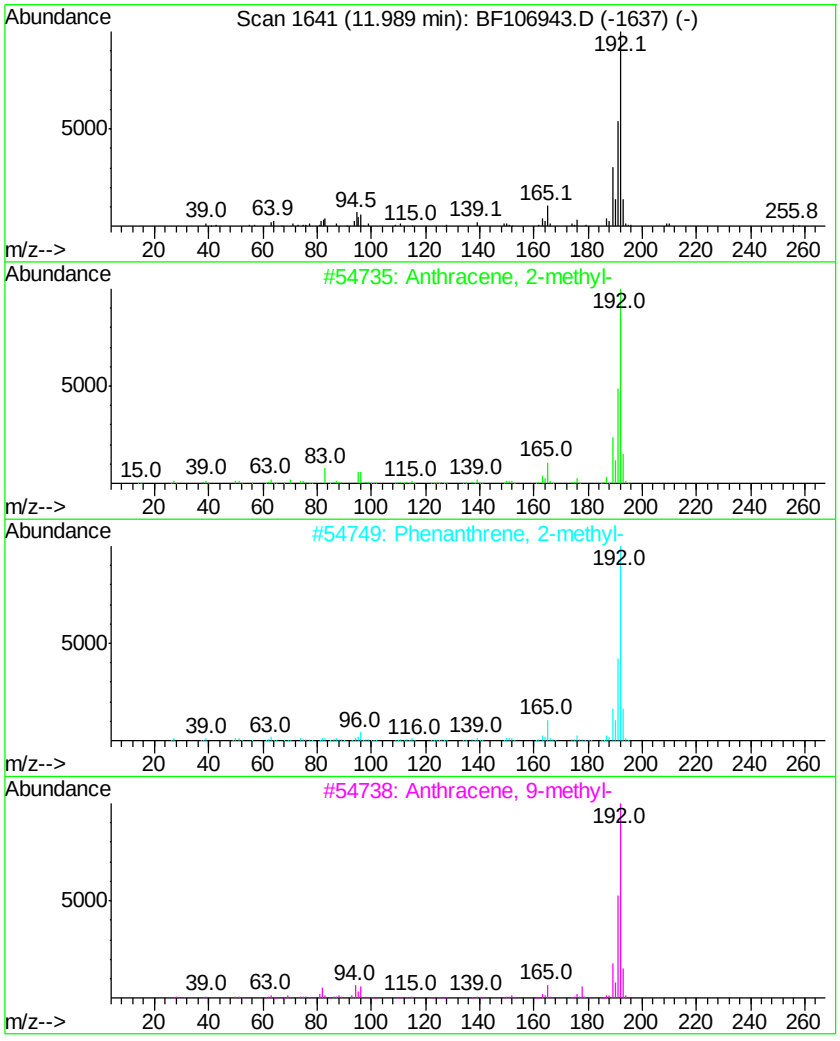
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

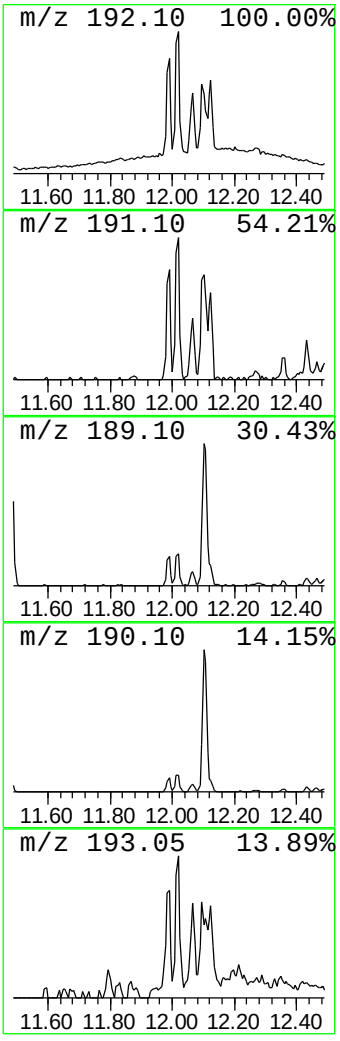
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.02 ng	80949	Phenanthrene-d10	11.48

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	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106943.D
Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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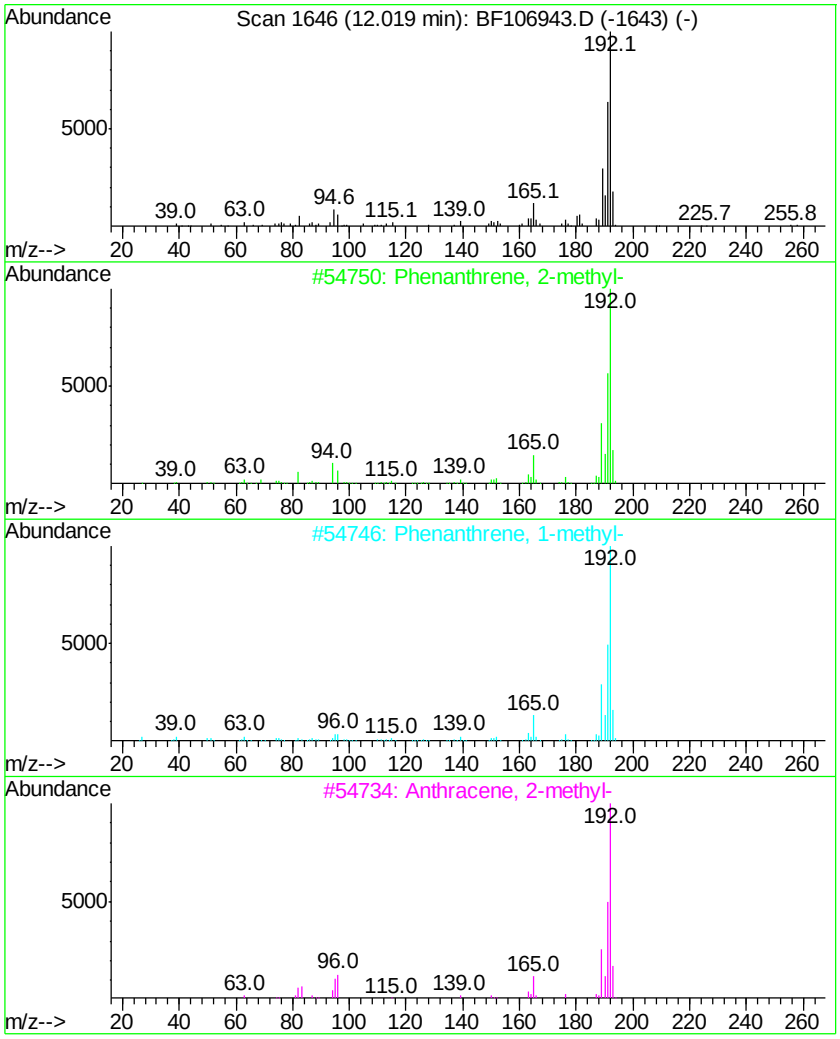
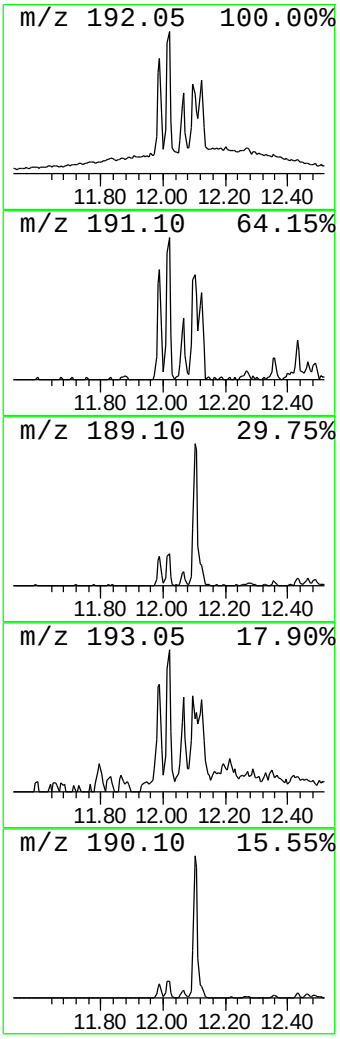
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.99 ng	100442	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106943.D
Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

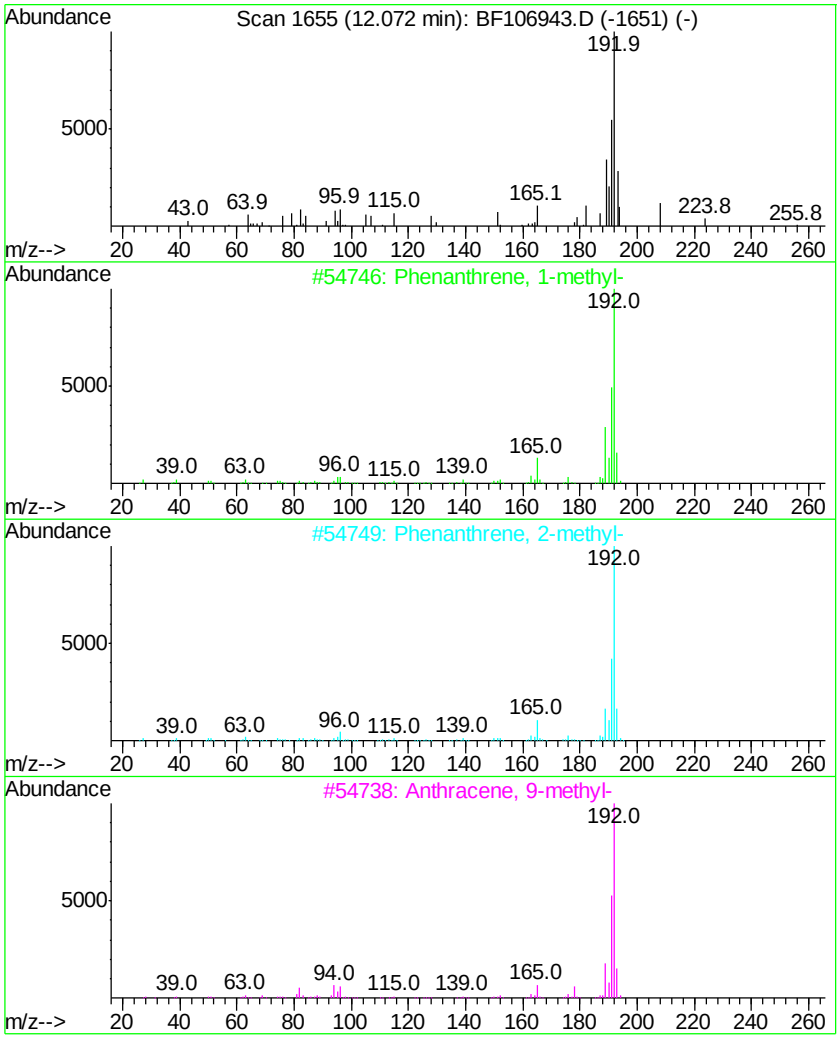
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

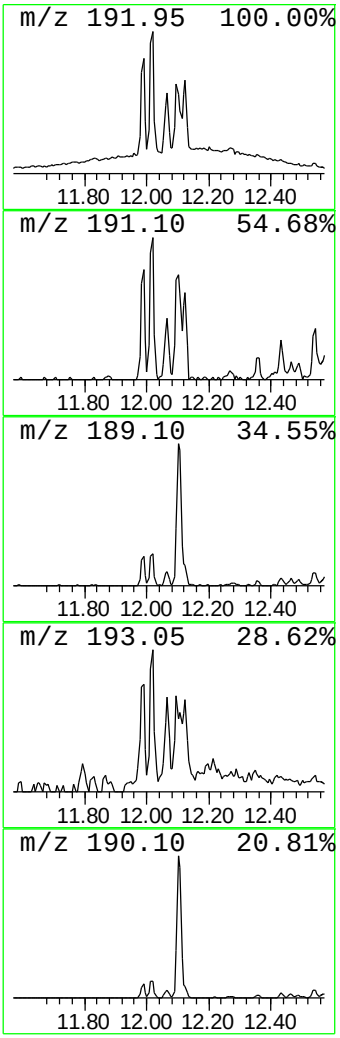
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.54 ng	51147	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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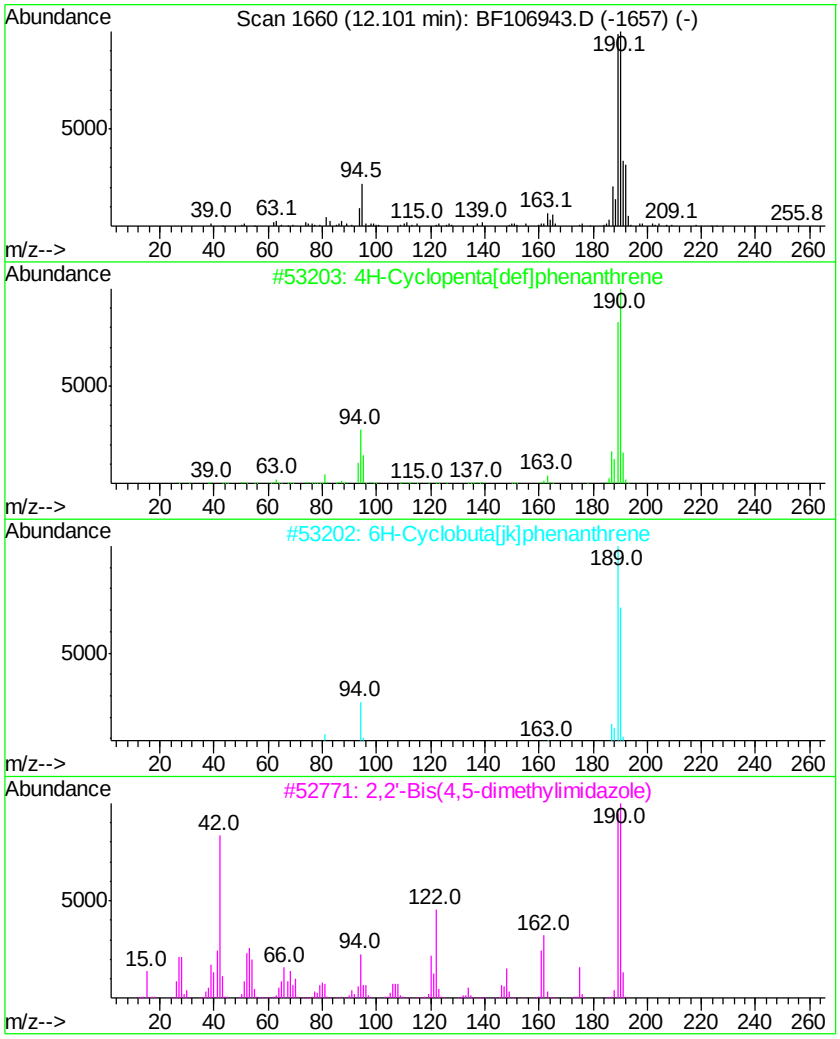
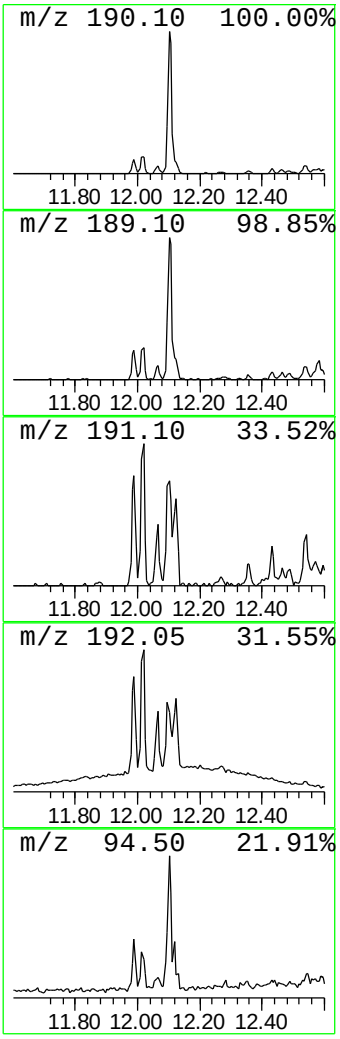
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	10.58 ng	213145	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17
5	Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4OS2	038362-25-3	14





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Data File : BF106943.D
Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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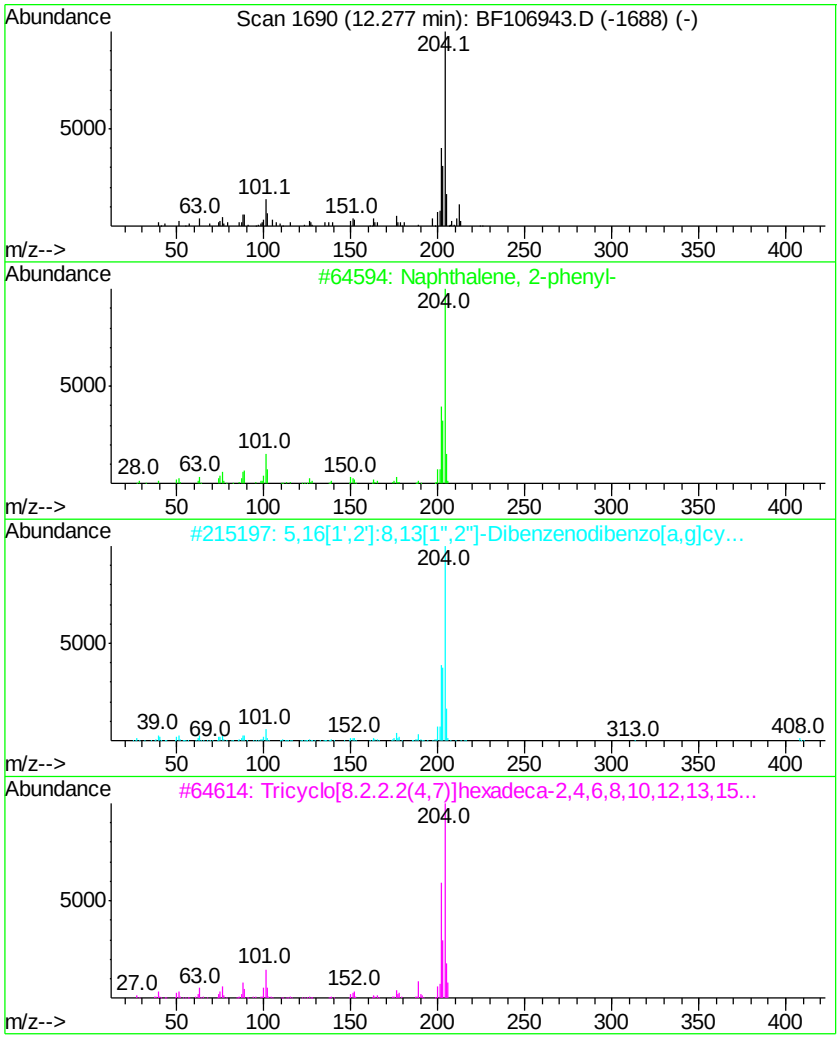
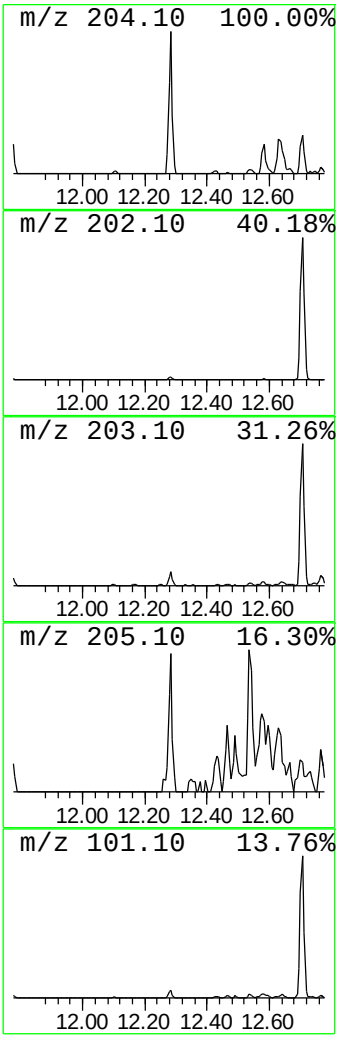
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	3.24 ng	65276	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Levamisole	204	C11H12N2S	014769-73-4	58
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	52





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Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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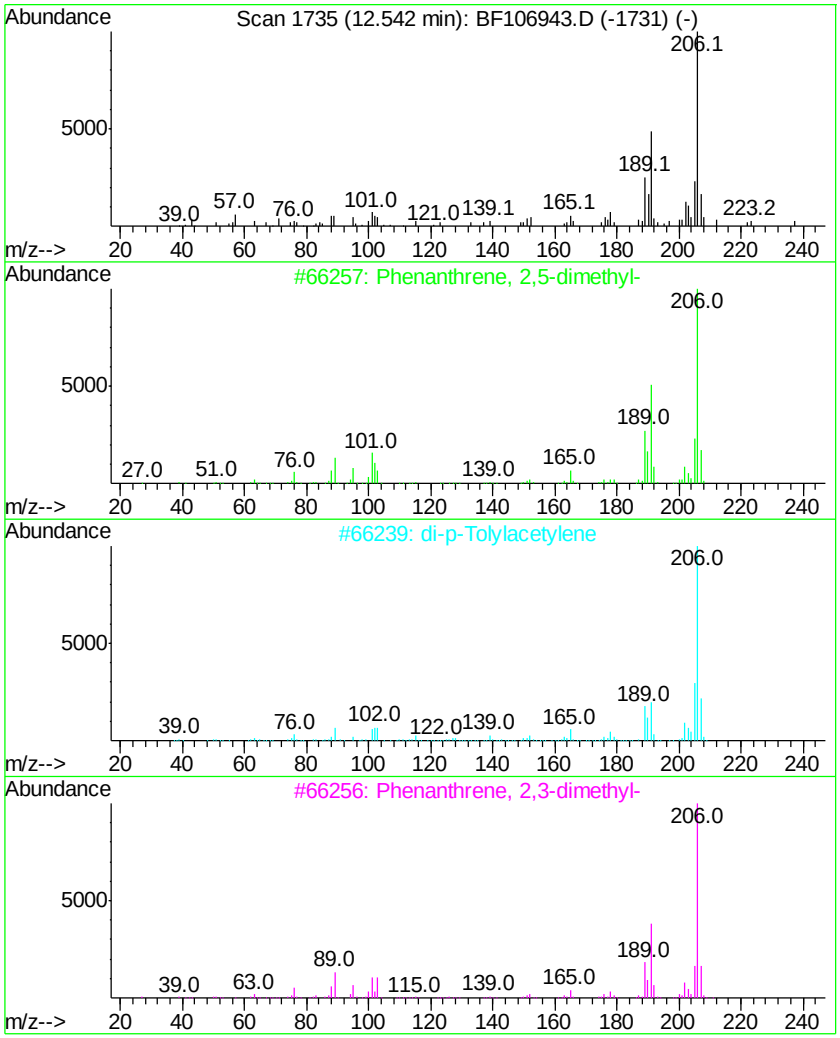
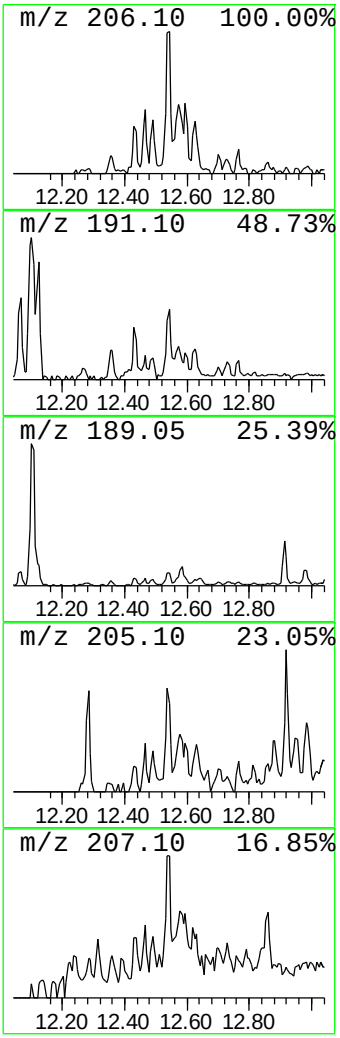
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	3.01 ng	60636	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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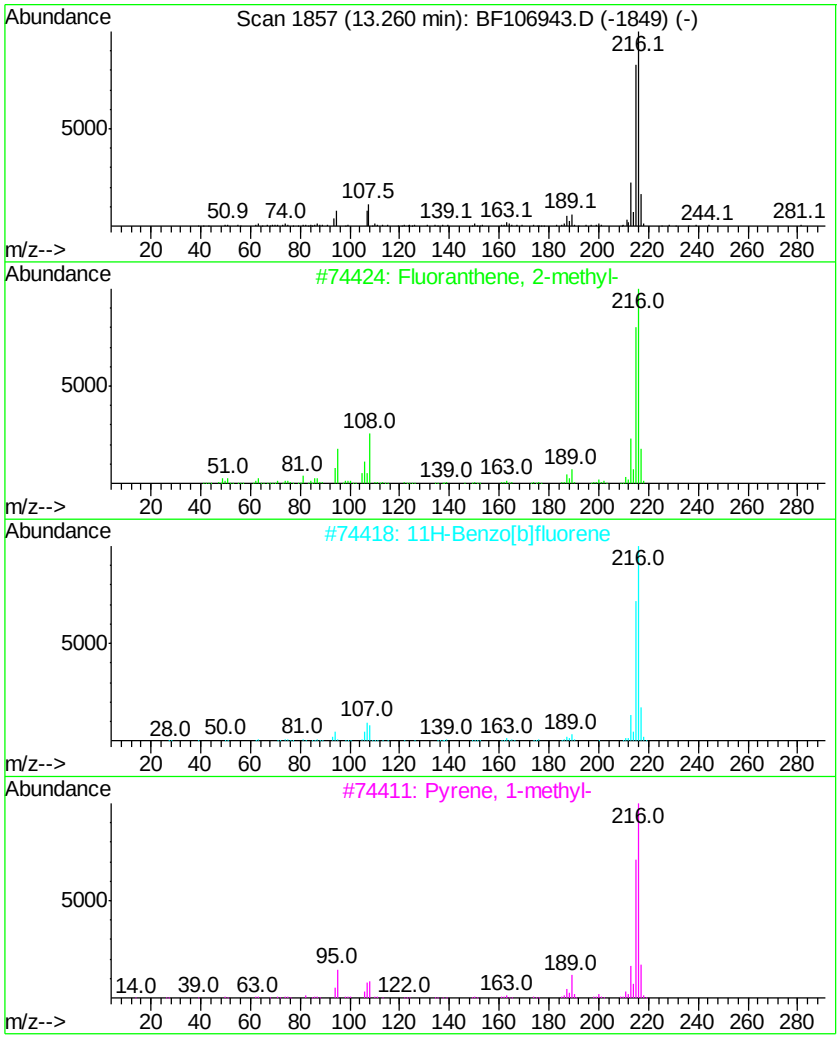
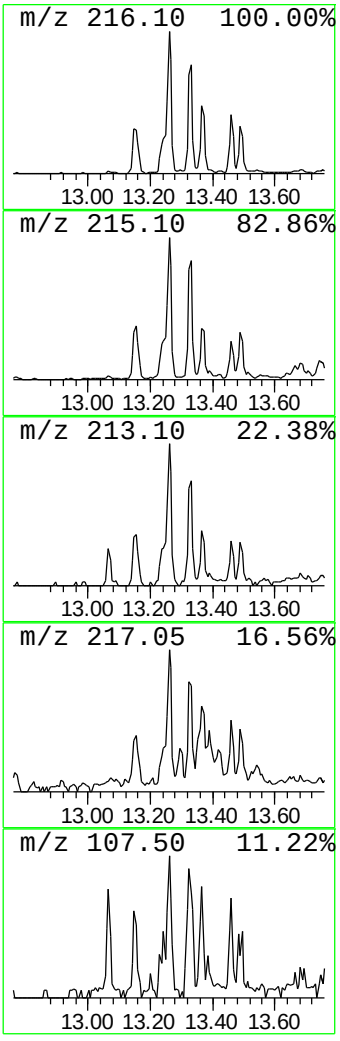
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	3.60 ng	229231	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Data File : BF106943.D
Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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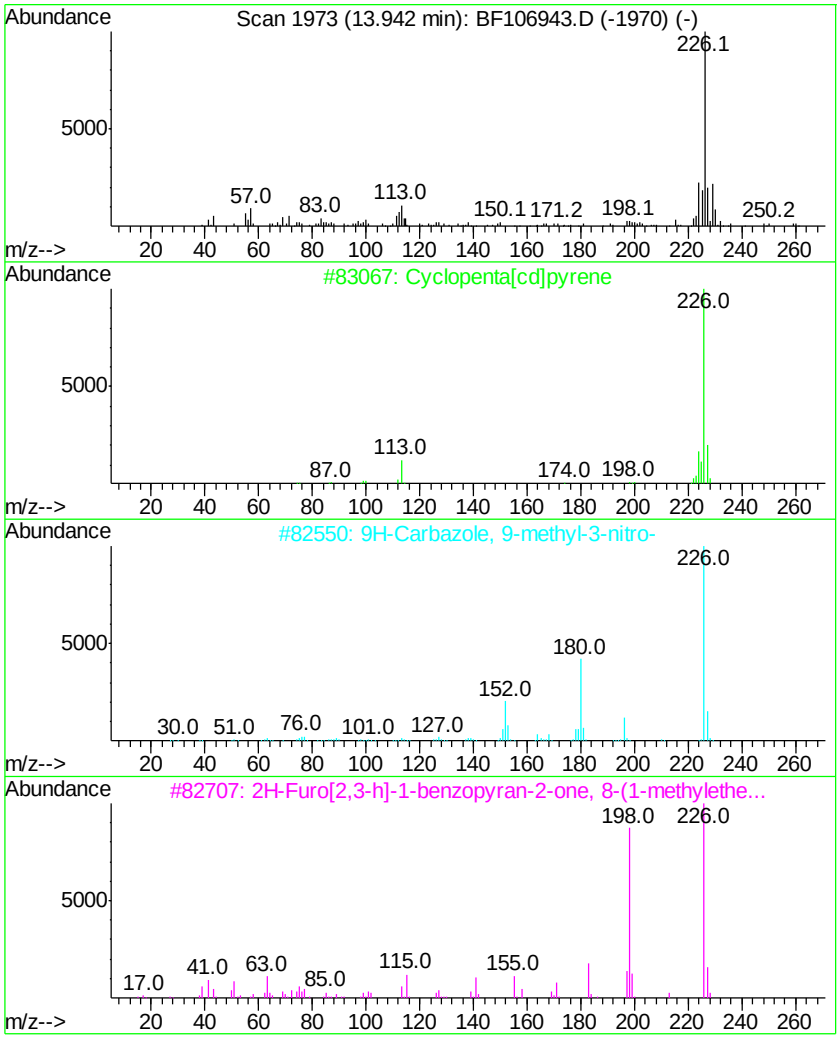
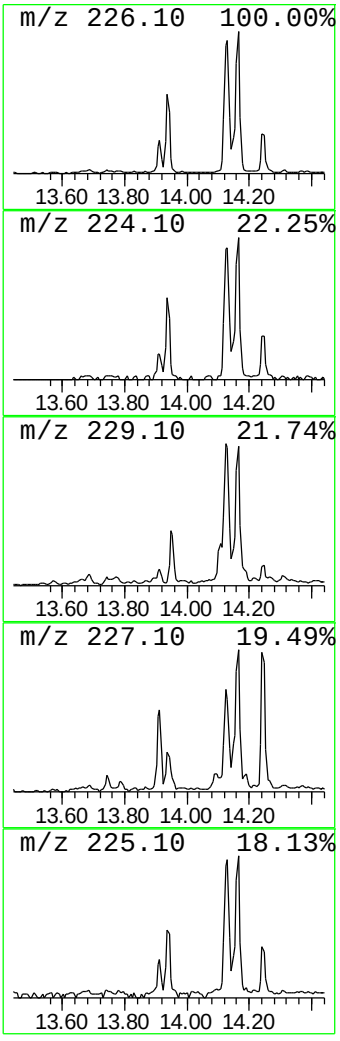
Peak Number 13 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	2.47 ng	157236	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	9H-Carbazole, 9-methyl-3-nitro-	226	C13H10N2O2	061166-05-0	43
3	2H-Furo[2,3-h]-1-benzopyran-2-on...	226	C14H10O3	001760-27-6	43
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38





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Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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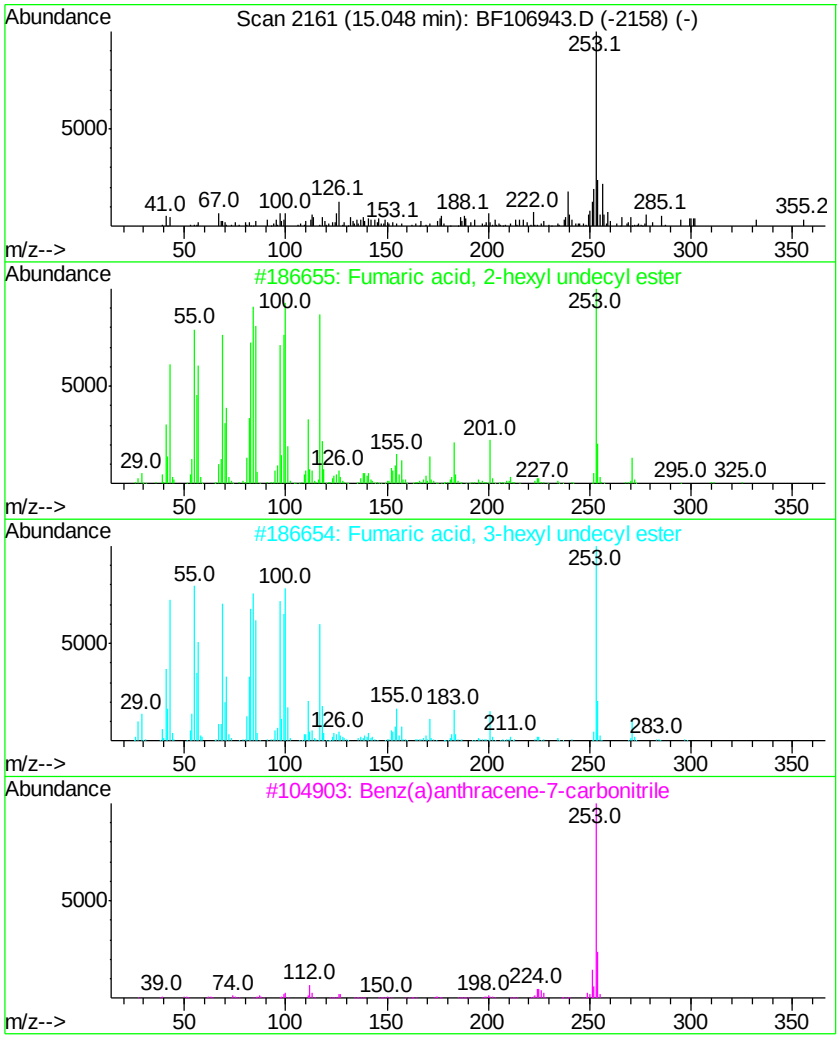
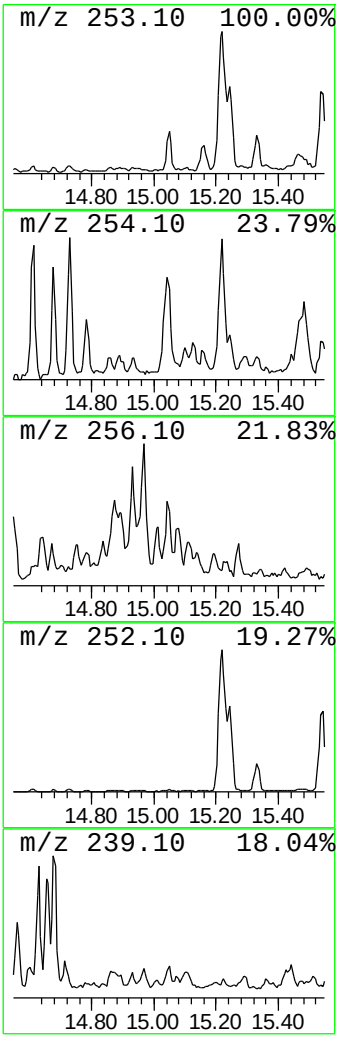
Peak Number 14 unknown15.05 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	2.72 ng	57543	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fumaric acid, 2-hexyl undecyl ester	354	C21H38O4	1000348-74-9	49
2	Fumaric acid, 3-hexyl undecyl ester	354	C21H38O4	1000348-61-0	47
3	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	47
4	Triamterene	253	C12H11N7	000396-01-0	38
5	6-(2-Formylhydrazino)-N,N'-bis(i...	253	C10H19N7O	084305-82-8	38





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Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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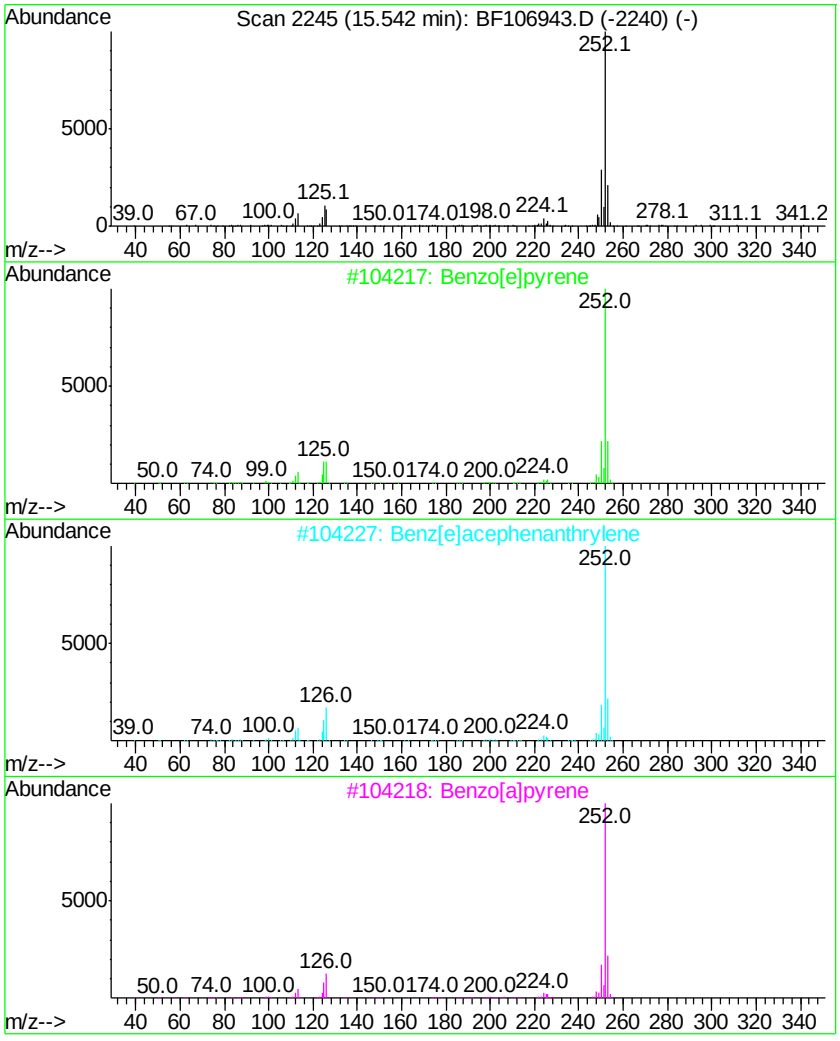
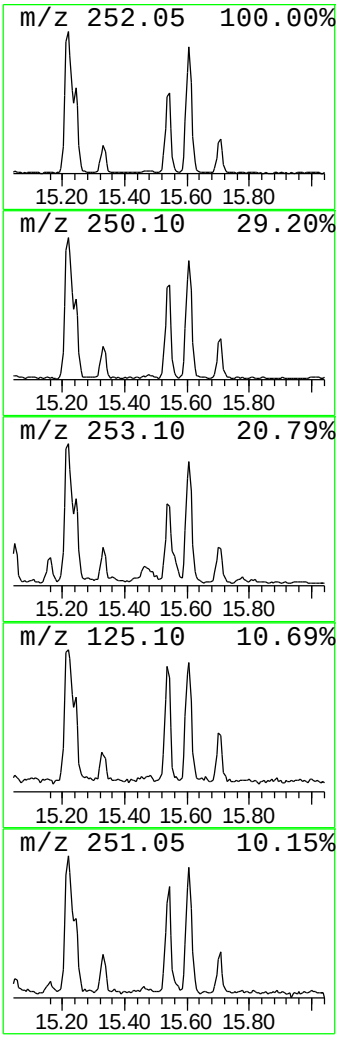
Peak Number 16 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	13.31 ng	282145	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





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Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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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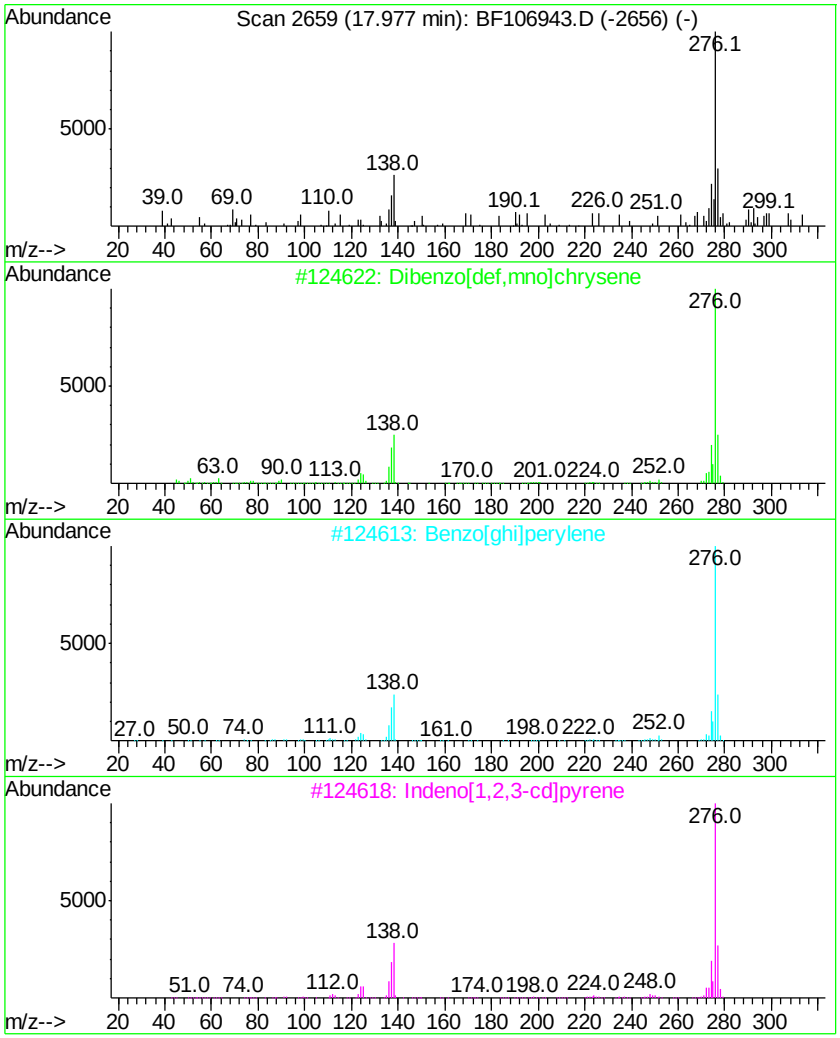
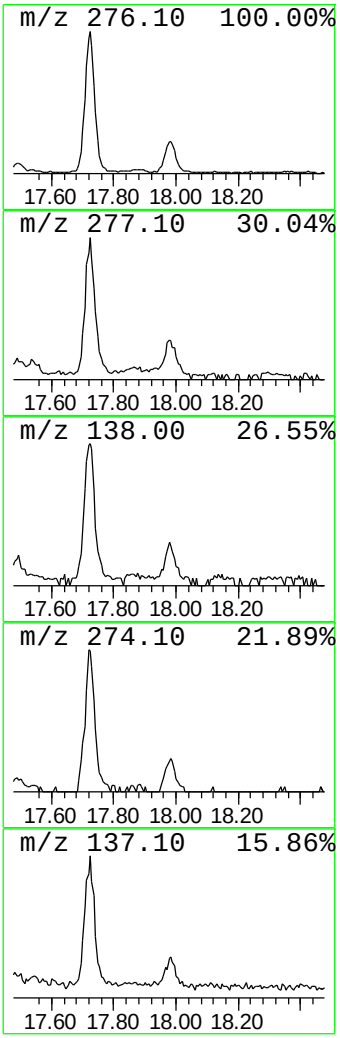
Peak Number 17 Dibenzo[def,mno]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	3.12 ng	66067	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	62
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	58
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	58
4	10H-Phenothiaphosphine, 10-hydro...	276	C14H13O2PS	054964-91-9	49
5	Acethydrazide, N2-(4-iodophenyl)-	276	C8H9IN2O	014579-96-5	47





Tentatively Identified Compound (LSC) summary

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Data File : BF106943.D
Acq On : 29 Jun 2018 1:24
Operator : JU/SJ
Sample : J3048-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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...	5.18	3.7	ng	70017	1	6.95	378136	20.0
unknown6.72	6.72	34.1	ng	644713	1	6.95	378136	20.0
9H-Fluorene, 1-me...	11.09	2.1	ng	41452	4	11.48	402903	20.0
Naphtho[2,1-b]thi...	11.38	2.1	ng	42725	4	11.48	402903	20.0
Anthracene, 2-met...	11.99	4.0	ng	80949	4	11.48	402903	20.0
Phenanthrene, 2-m...	12.02	5.0	ng	100442	4	11.48	402903	20.0
Phenanthrene, 1-m...	12.07	2.5	ng	51147	4	11.48	402903	20.0
4H-Cyclopenta[def...	12.10	10.6	ng	213145	4	11.48	402903	20.0
Naphthalene, 2-ph...	12.28	3.2	ng	65276	4	11.48	402903	20.0
Phenanthrene, 2,5...	12.54	3.0	ng	60636	4	11.48	402903	20.0
Fluoranthene, 2-m...	13.26	3.6	ng	229231	5	14.14	1275180	20.0
Cyclopenta[cd]pyrene	13.94	2.5	ng	157236	5	14.14	1275180	20.0
unknown15.05	15.05	2.7	ng	57543	6	15.67	423876	20.0
Benzo[e]pyrene	15.54	13.3	ng	282145	6	15.67	423876	20.0
Dibenzo[def,mno]c...	17.98	3.1	ng	66067	6	15.67	423876	20.0