LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\
Data File : BF100698.D
Acq On : 18 Nov 2017 2:25
Operator : SJ/JU
Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

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-BF110817.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	5.098	508	512	523	rBV	200760	209739	14.59%	0.840%
2	5.493	575	579	583	rBV	1169583	1115739	77.62%	4.470%
3	6.504	746	751	758	rBV	1215989	1168805	81.31%	4.683%
4	6.645	771	775	779	rBV	1201887	1160535	80.74%	4.650%
5	6.881	812	815	819	rVB	724664	574261	39.95%	2.301%
6	7.040	838	842	845	rBV	1025824	906835	63.09%	3.633%
7	7.440	906	910	913	rBV	785024	683833	47.57%	2.740%
8	8.163	1030	1033	1036	rBV	905684	722571	50.27%	2.895%
9	8.716	1121	1127	1130	rBV	90183	77111	5.36%	0.309%
10	8.875	1151	1154	1157	rVB	49616	36049	2.51%	0.144%
11	8.975	1167	1171	1174	rBV	32817	31385	2.18%	0.126%
12	9.234	1211	1215	1219	rBV	1447335	1239282	86.21%	4.965%
13	9.310	1225	1228	1231	rBV	52082	47054	3.27%	0.189%
14	9.504	1256	1261	1265	rVV	23875	35238	2.45%	0.141%
15	9.575	1270	1273	1275	rBV	45793	45465	3.16%	0.182%
16	9.628	1279	1282	1285	rBV	192628	158223	11.01%	0.634%
17	9.781	1304	1308	1311	rBV	51086	52782	3.67%	0.211%
18	9.839	1313	1318	1321	rVB2	41723	44950	3.13%	0.180%
19	9.916	1324	1331	1334	rVV2	769812	725051	50.44%	2.905%
20	9.951	1334	1337	1340	rVB	88755	77867	5.42%	0.312%
21	10.016	1345	1348	1353	rVB2	21691	31175	2.17%	0.125%
22	10.075	1353	1358	1360	rBV3	25232	36611	2.55%	0.147%
23	10.116	1360	1365	1369	rVV2	54621	66826	4.65%	0.268%
24	10.157	1369	1372	1376	rVB2	41017	37736	2.63%	0.151%
25	10.233	1381	1385	1387	rBV	36327	38768	2.70%	0.155%
26	10.322	1396	1400	1401	rBV2	34479	33431	2.33%	0.134%
27	10.339	1401	1403	1406	rVB	60629	42391	2.95%	0.170%
28	10.463	1420	1424	1429	rBV2	79901	83620	5.82%	0.335%
29	10.551	1437	1439	1442	rVV2	42866	55458	3.86%	0.222%
30	10.628	1445	1452	1455	rVB	232542	215878	15.02%	0.865%
31	10.704	1462	1465	1469	rVB	618898	543057	37.78%	2.176%
32	10.828	1481	1486	1489	rBV2	92159	125409	8.72%	0.502%
33	11.010	1511	1517	1519	rBV3	41660	57825	4.02%	0.232%
34	11.039	1519	1522	1525	rVV2	41424	46021	3.20%	0.184%

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

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-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.139	1534	1539	1540	rBV4	27444	44775	3.11%	0.179%
36	11.157	1540	1542	1547	rVV3	34209	43684	3.04%	0.175%
37	11.204	1547	1550	1554	rVV2	59595	58344	4.06%	0.234%
38	11.263	1554	1560	1562	rVV2	70401	94766	6.59%	0.380%
39	11.298	1562	1566	1571	rVB2	79902	102756	7.15%	0.412%
40	11.404	1580	1584	1586	rBV	676298	612348	42.60%	2.453%
41	11.428	1586	1588	1591	rVV	997584	757283	52.68%	3.034%
42	11.480	1594	1597	1599	rVV	158519	141363	9.83%	0.566%
43	11.633	1620	1623	1630	rVV	46195	69933	4.87%	0.280%
44	11.686	1630	1632	1636	rVB2	39198	48510	3.37%	0.194%
45	11.733	1637	1640	1643	rBV	66902	58981	4.10%	0.236%
46	11.816	1651	1654	1658	rVB2	37531	40566	2.82%	0.163%
47	11.857	1658	1661	1664	rBV3	28816	37216	2.59%	0.149%
48	11.904	1666	1669	1671	rVV	279711	239769	16.68%	0.961%
49	11.933	1671	1674	1677	rVV	300583	271756	18.91%	1.089%
50	11.980	1679	1682	1684	rVV	89645	76870	5.35%	0.308%
51	12.016	1684	1688	1690	rVV2	306265	344698	23.98%	1.381%
52	12.039	1690	1692	1695	rVB	202620	162692	11.32%	0.652%
53	12.092	1698	1701	1706	rVB4	41778	52094	3.62%	0.209%
54	12.133	1706	1708	1711	rBV2	37663	32237	2.24%	0.129%
55	12.198	1716	1719	1721	rVV	139038	116655	8.12%	0.467%
56	12.222	1721	1723	1726	rVV2	134451	114734	7.98%	0.460%
57	12.275	1729	1732	1736	rVB	41289	35508	2.47%	0.142%
58	12.345	1742	1744	1747	rVV	80767	68464	4.76%	0.274%
59	12.374	1747	1749	1752	rVV	69600	63079	4.39%	0.253%
60	12.398	1752	1753	1756	rVB	52625	40963	2.85%	0.164%
61	12.451	1759	1762	1765	rBV	185035	191842	13.35%	0.769%
62	12.486	1765	1768	1771	rVV3	102038	144160	10.03%	0.578%
63	12.539	1774	1777	1782	rBV2	142192	167963	11.68%	0.673%
64	12.616	1787	1790	1794	rVB	1013123	918863	63.92%	3.682%
65	12.657	1795	1797	1799	rBV	36369	32638	2.27%	0.131%
66	12.745	1809	1812	1814	rVV3	63380	69349	4.82%	0.278%
67	12.769	1814	1816	1818	rVV2	58508	56779	3.95%	0.227%
68	12.792	1818	1820	1823	rVV2	40751	39625	2.76%	0.159%
69	12.851	1823	1830	1835	rVV	1269627	1437459	100.00%	5.759%
70	12.898	1835	1838	1842	rVB3	72481	99750	6.94%	0.400%
71	12.986	1849	1853	1859	rVB	1006691	980602	68.22%	3.929%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
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72	13.057	1862	1865	1869	rBV3	142367	217452	15.13%	0.871%
73	13.116	1873	1875	1877	rVV3	39093	34521	2.40%	0.138%
74	13.151	1877	1881	1882	rVV4	122922	144013	10.02%	0.577%
75	13.169	1882	1884	1887	rVB2	176797	166570	11.59%	0.667%
76	13.204	1888	1890	1892	rBV3	37244	35431	2.46%	0.142%
77	13.239	1893	1896	1898	rVV	105638	96101	6.69%	0.385%
78	13.274	1899	1902	1905	rVV2	221485	216660	15.07%	0.868%
79	13.304	1905	1907	1910	rVV	75004	70139	4.88%	0.281%
80	13.333	1910	1912	1914	rVV2	41144	34720	2.42%	0.139%
81	13.369	1915	1918	1921	rVV	163339	133854	9.31%	0.536%
82	13.398	1921	1923	1926	rVB	151414	140187	9.75%	0.562%
83	13.551	1946	1949	1951	rBV2	45173	63998	4.45%	0.256%
84	13.674	1968	1970	1975	rVB	151259	156585	10.89%	0.627%
85	13.786	1985	1989	1992	rBV2	130963	197455	13.74%	0.791%
86	13.821	1992	1995	1997	rVV	128186	117512	8.17%	0.471%
87	13.845	1997	1999	2002	rVV2	84735	115371	8.03%	0.462%
88	13.886	2002	2006	2010	rVB2	155422	206426	14.36%	0.827%
89	14.039	2025	2032	2035	rBV2	870957	1370118	95.32%	5.490%
90	14.069	2035	2037	2042	rVB	636187	543122	37.78%	2.176%
91	14.151	2048	2051	2053	rBV	61722	51694	3.60%	0.207%
92	14.427	2095	2098	2101	rVB	170980	158791	11.05%	0.636%
93	14.463	2101	2104	2107	rBV	91267	83458	5.81%	0.334%
94	14.551	2117	2119	2121	rBV	77028	63546	4.42%	0.255%
95	15.086	2206	2210	2213	rBV2	352676	533615	37.12%	2.138%
96	15.392	2259	2262	2268	rVB	233575	288863	20.10%	1.157%
97	15.457	2269	2273	2278	rVB	286562	365747	25.44%	1.465%
98	15.521	2280	2284	2287	rBV	388291	490205	34.10%	1.964%
99	16.998	2532	2535	2543	rVB2	107615	204192	14.21%	0.818%
100	17.451	2607	2612	2629	rVB	96712	261879	18.22%	1.049%

Sum of corrected areas: 24958280

LSC Report - Integrated Chromatogram

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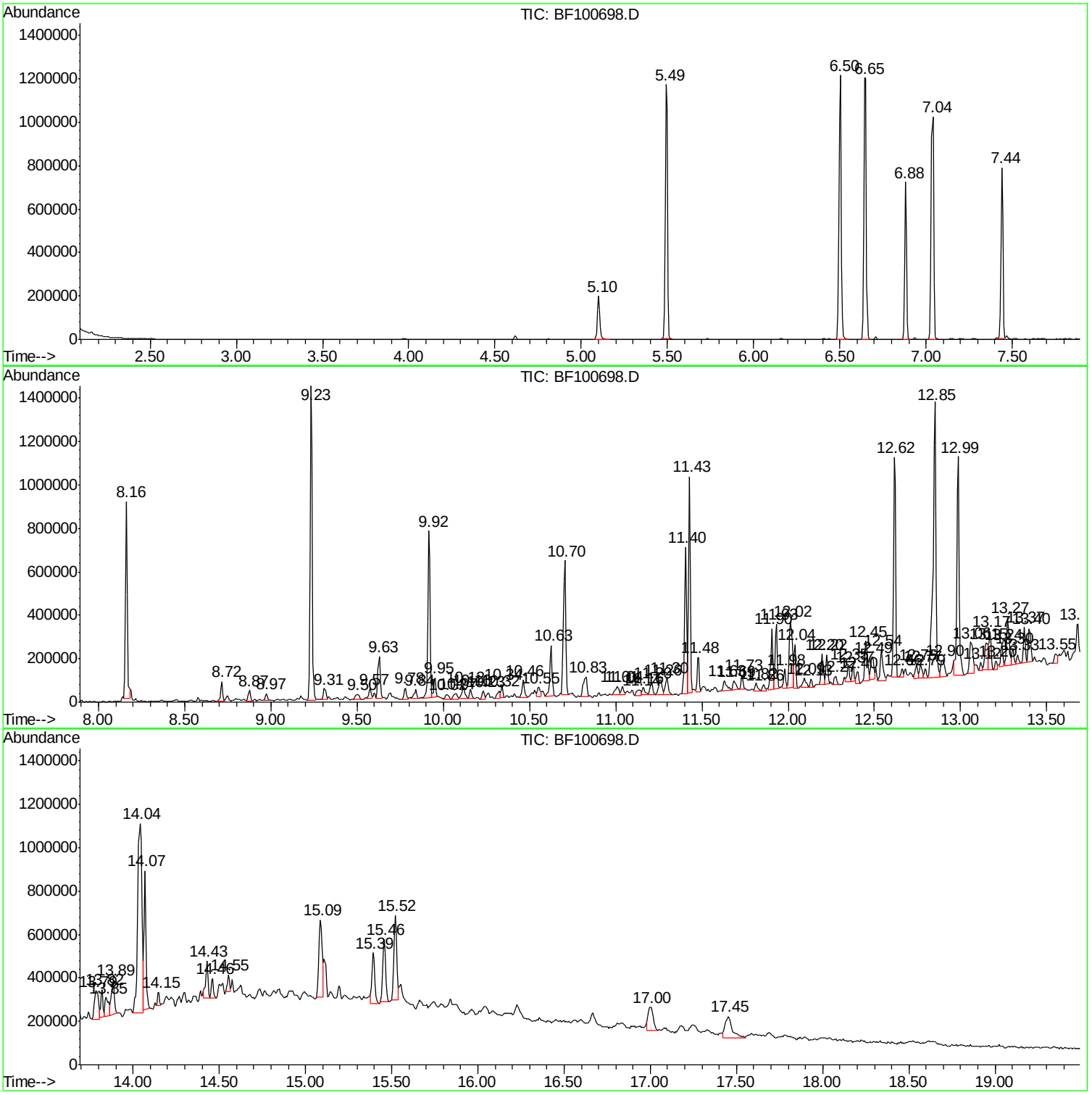
Data File : BF100698.D
Acq On : 18 Nov 2017 2:25
Operator : SJ/JU
Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

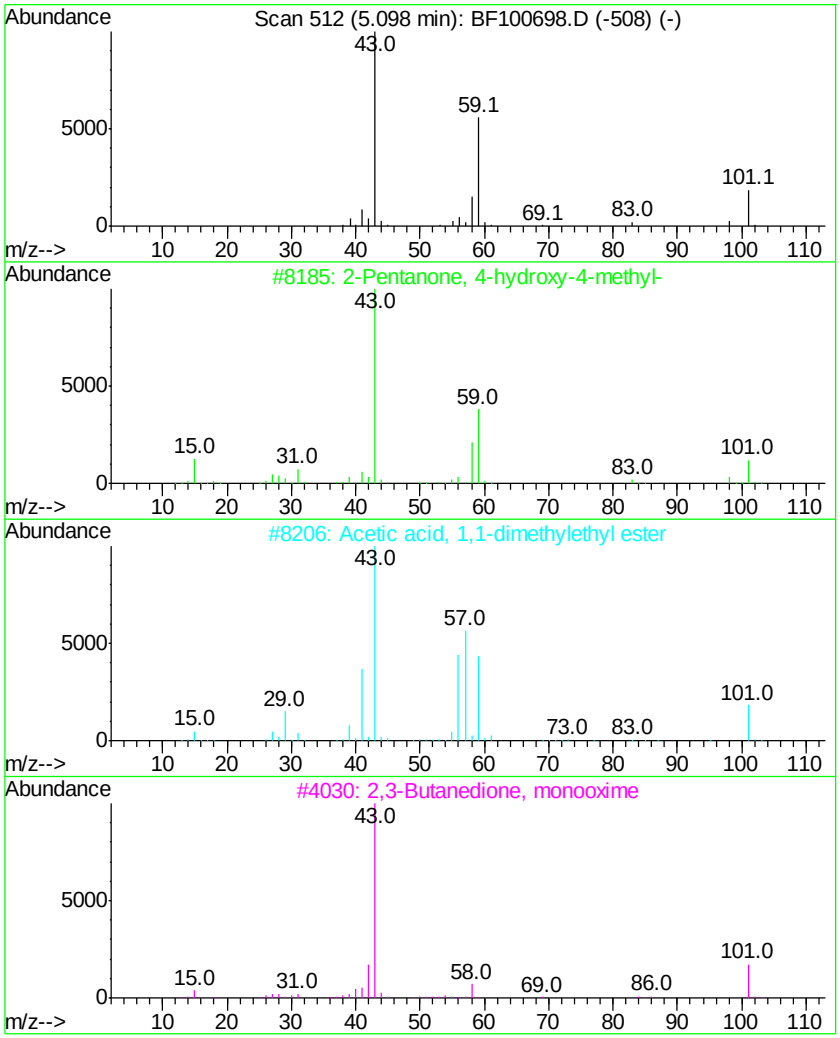
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

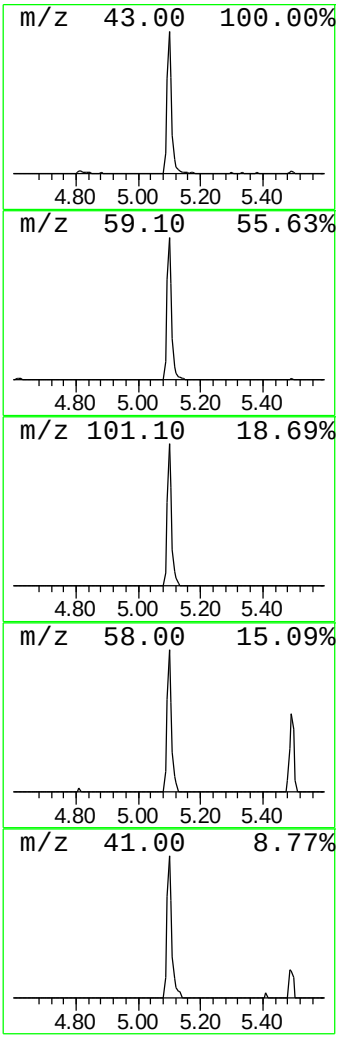
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	7.30 ng	209739	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	9





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Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

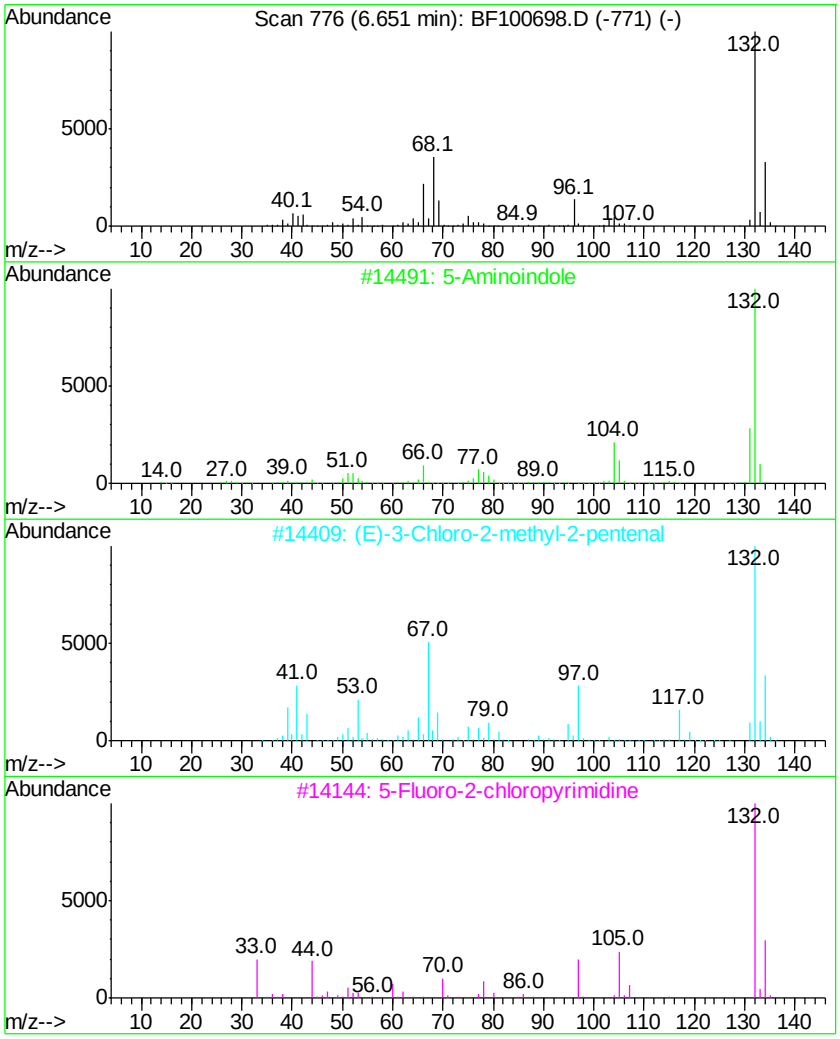
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

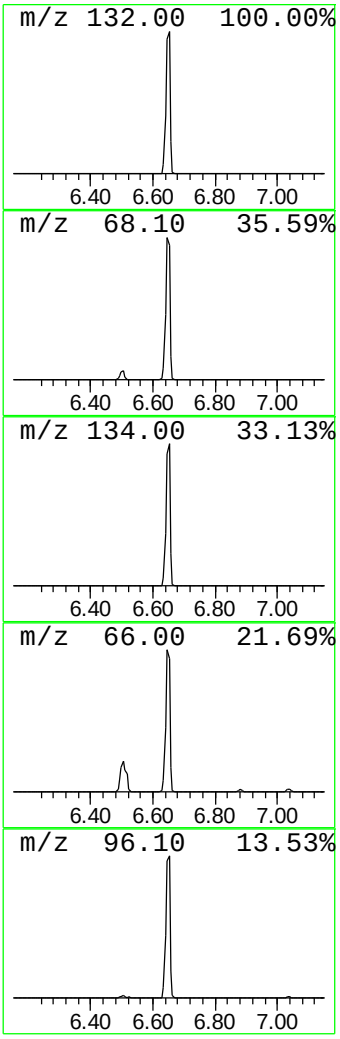
****

Peak Number 2 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	40.42 ng	1160540	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	10
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

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ClientSampleId : LEW-2-E(6-7)

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TIC Library : C:\DATABASE\NIST11.L
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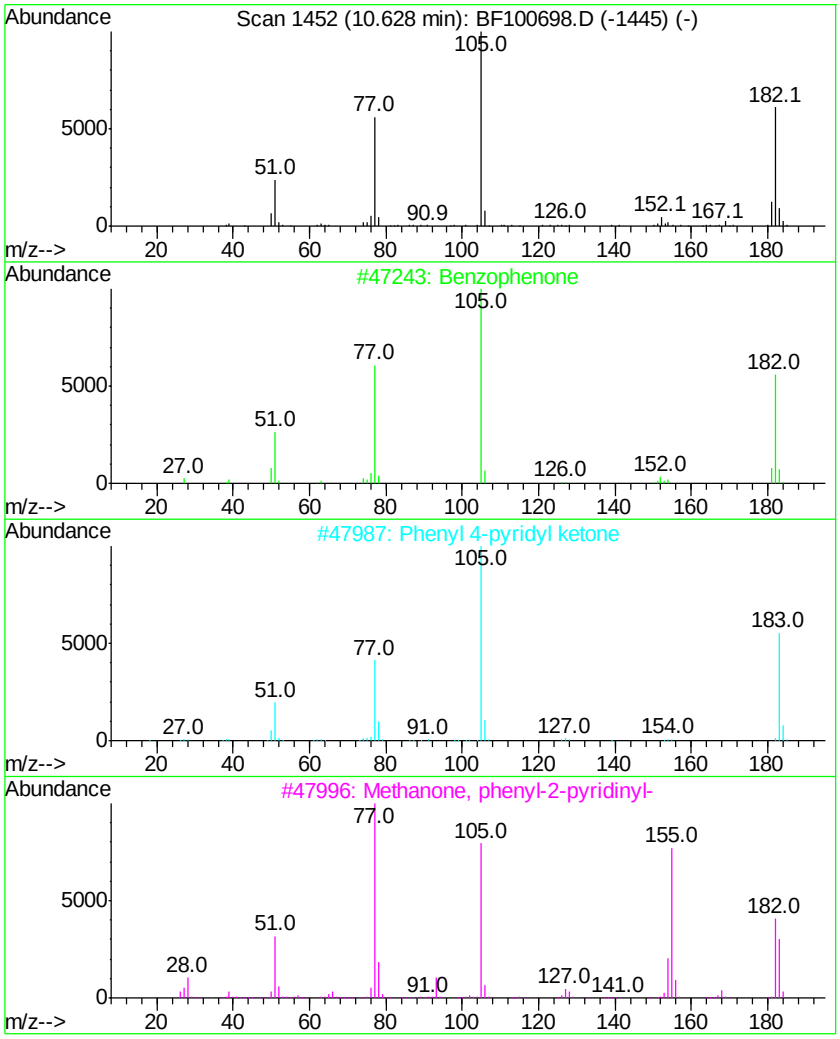
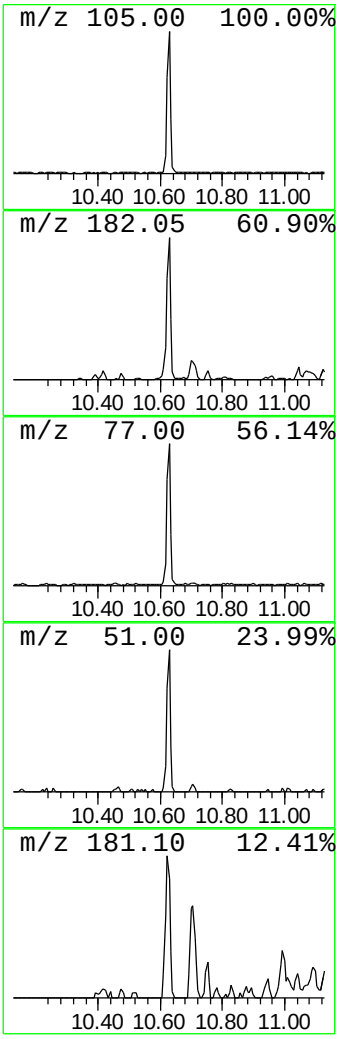
Peak Number 4 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	5.95 ng	215878	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	47
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	47
4	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	46
5	Phenacylidene diacetate	236	C12H12O5	005062-30-6	43





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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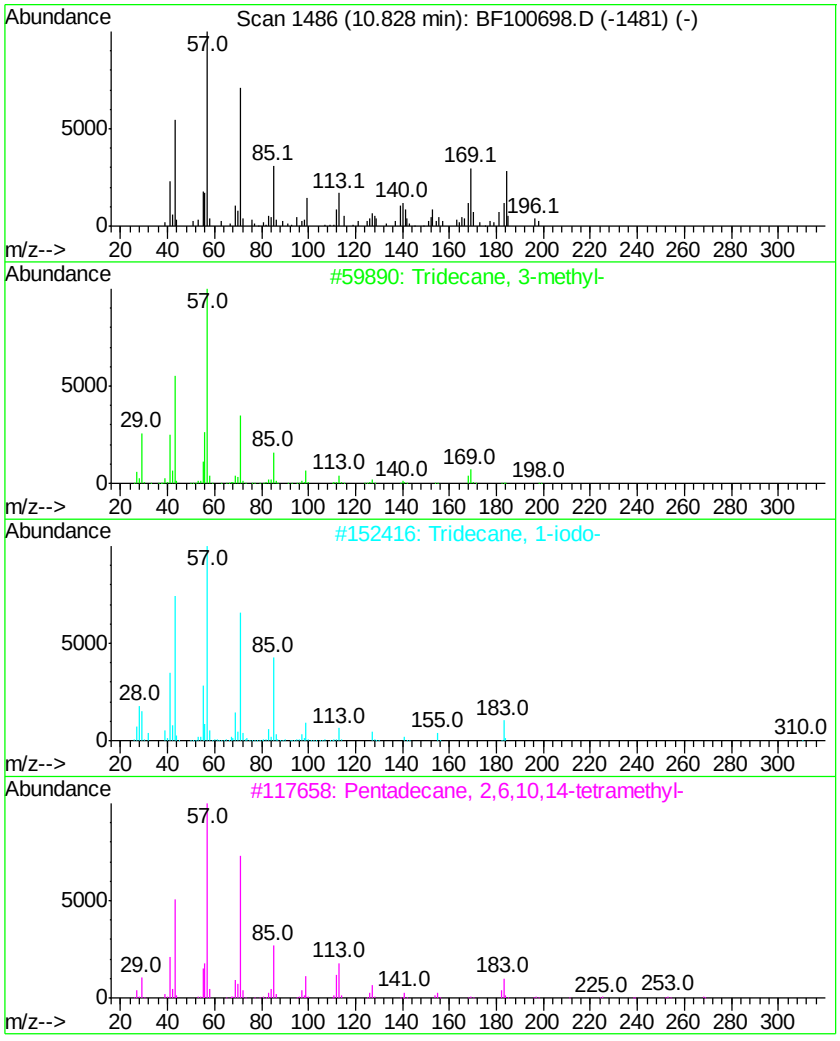
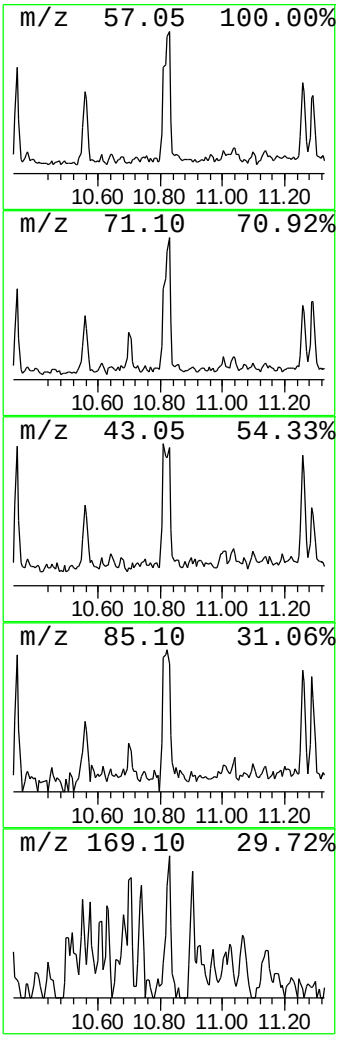
Peak Number 5 unknown10.83 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	4.10 ng	125409	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	43
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	38
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	38
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	35
5	Octadecane	254	C18H38	000593-45-3	35





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Data File : BF100698.D
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Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

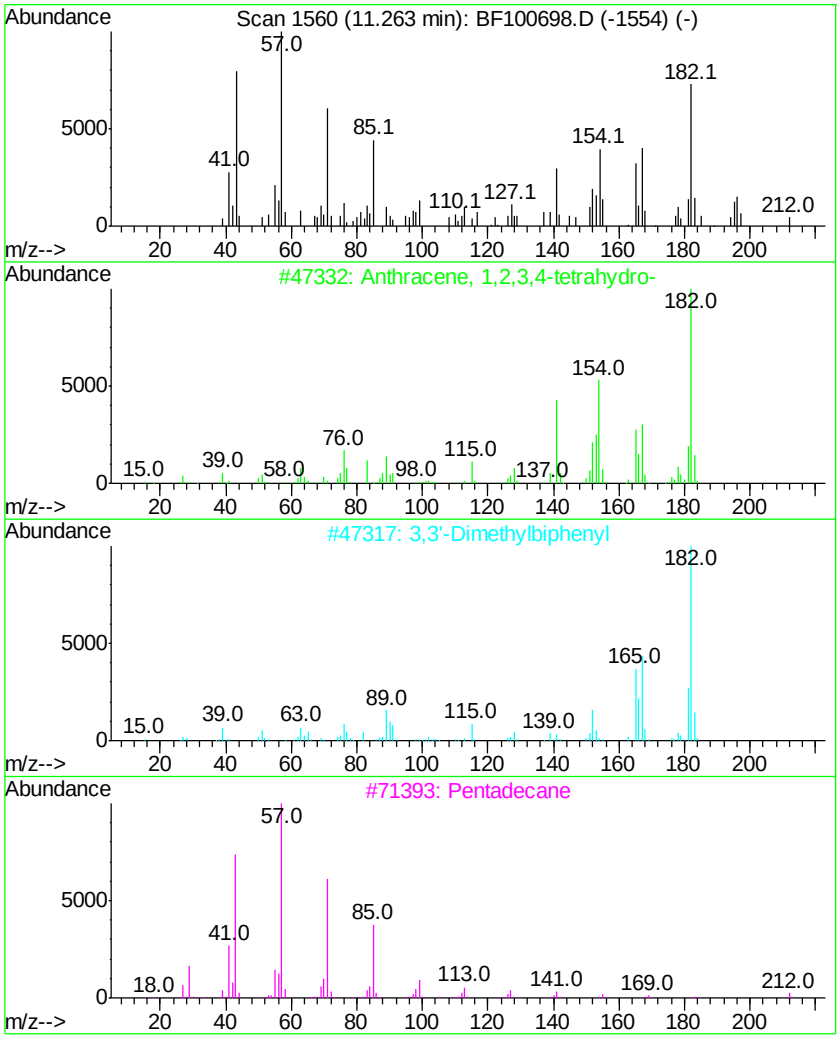
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

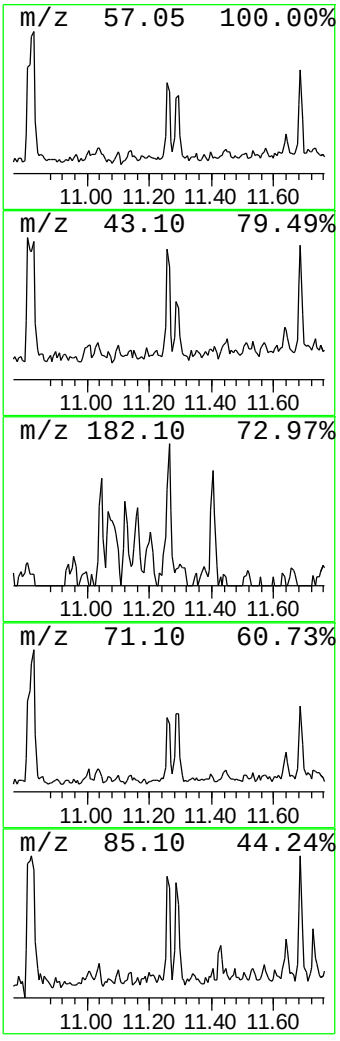
****

Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	3.10 ng	94766	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	89
2	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	38
3	Pentadecane	212	C15H32	000629-62-9	35
4	Tetradecane, 5-methyl-	212	C15H32	025117-32-2	25
5	3-Ethyl-1,2-dihydro-6-methyl-5-n...	182	C8H10N2O3	1000241-09-2	25





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Acq On : 18 Nov 2017 2:25
Operator : SJ/JU
Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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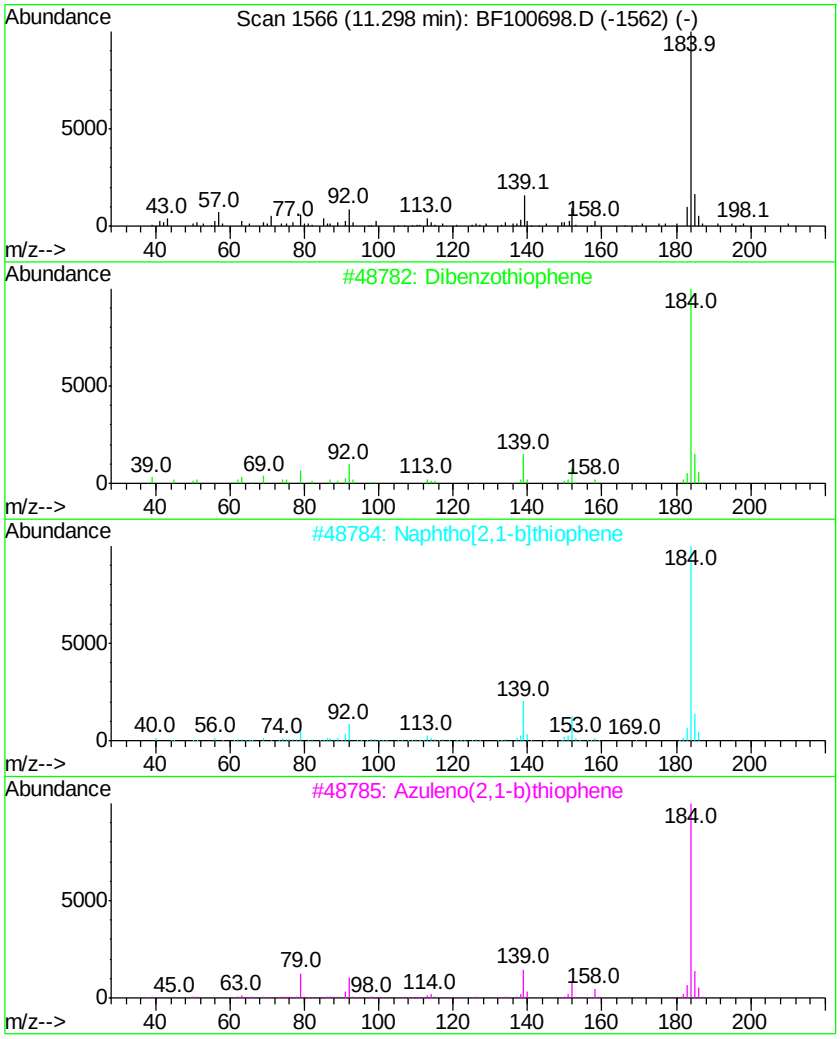
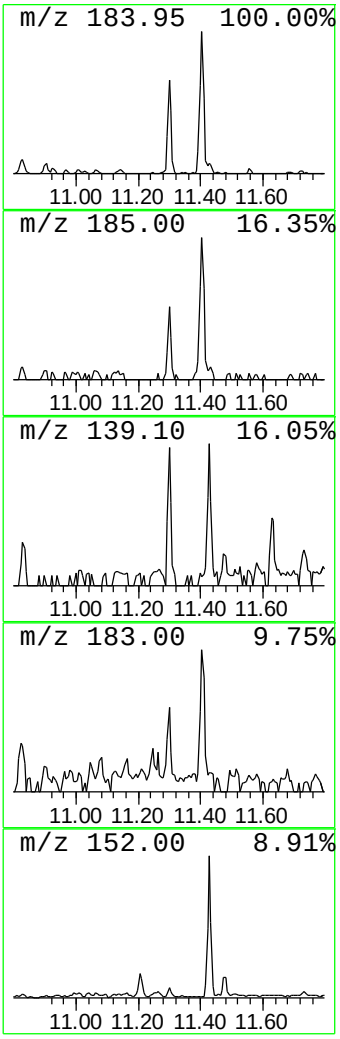
Peak Number 7 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	3.36 ng	102756	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87





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Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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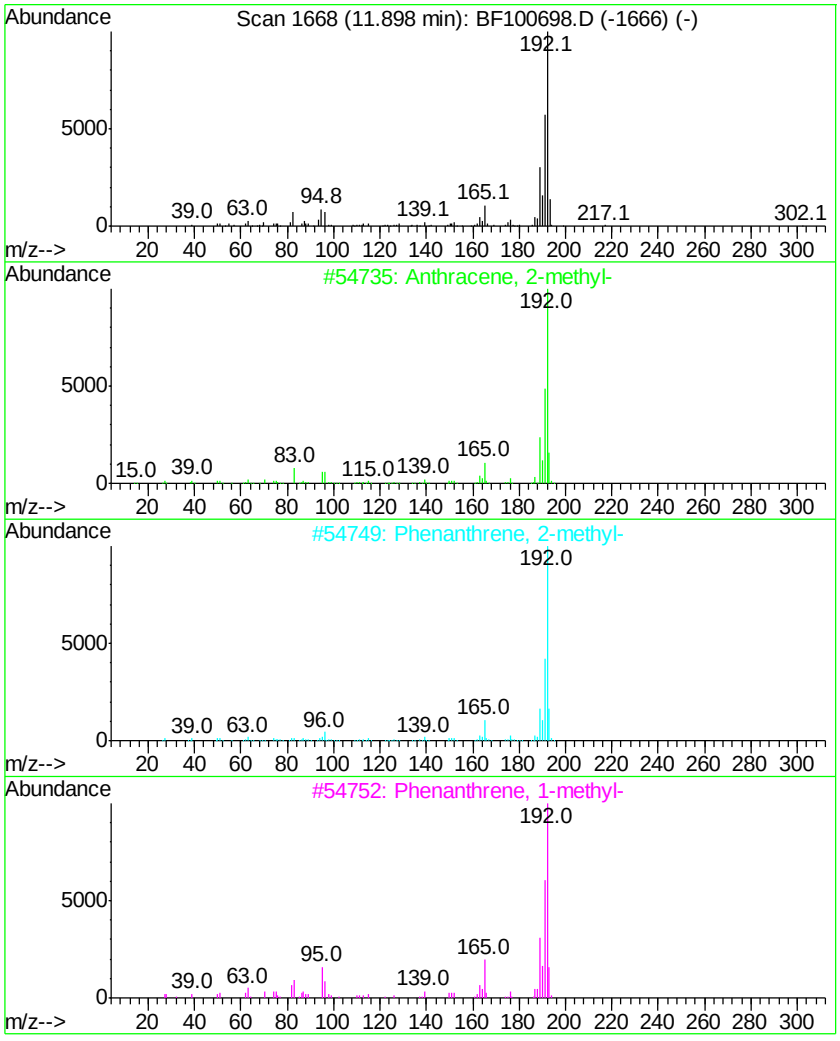
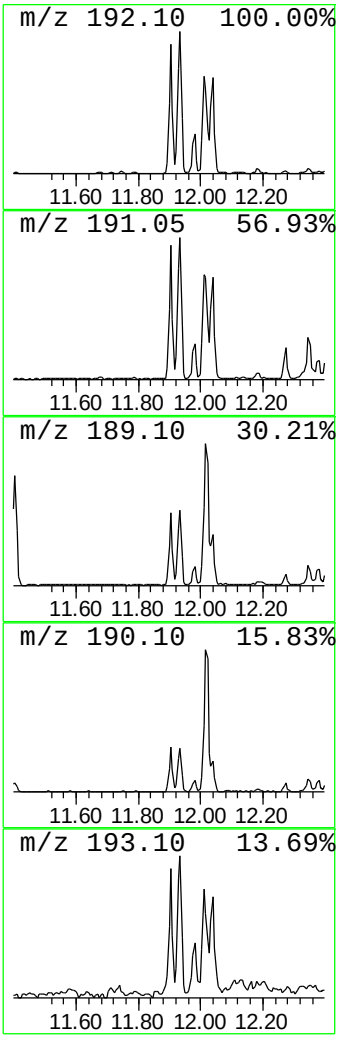
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	7.83 ng	239769	Phenanthrene-d10	11.40

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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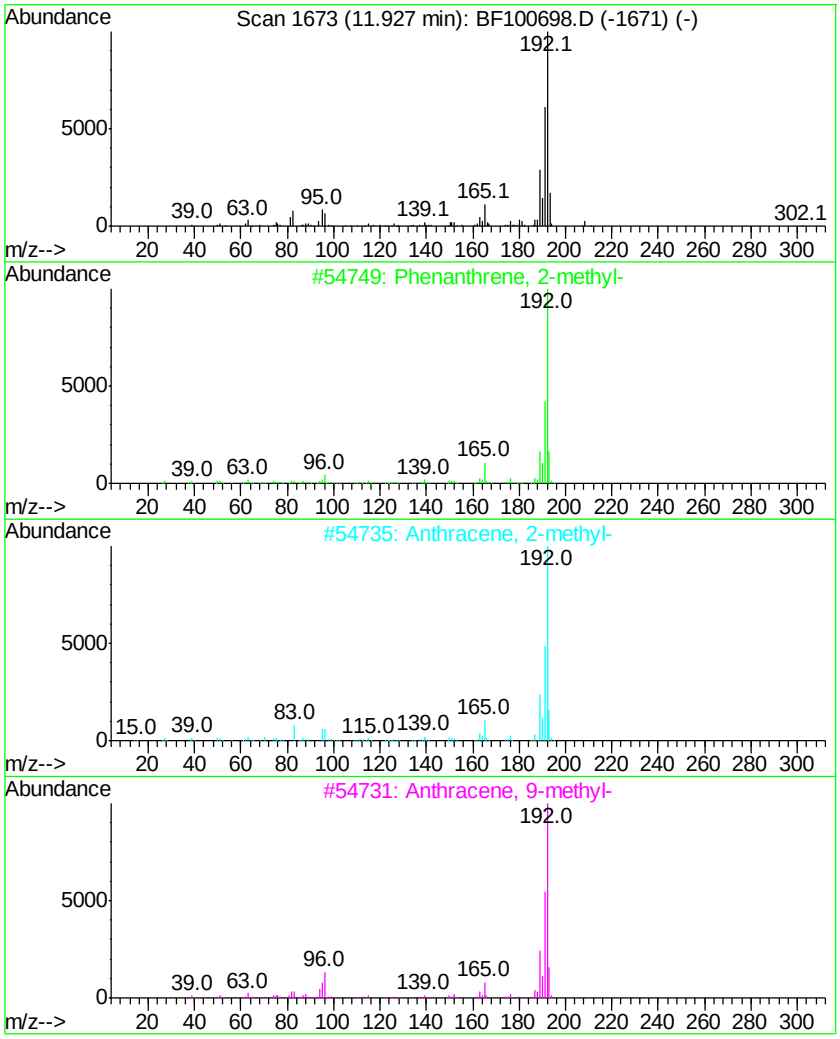
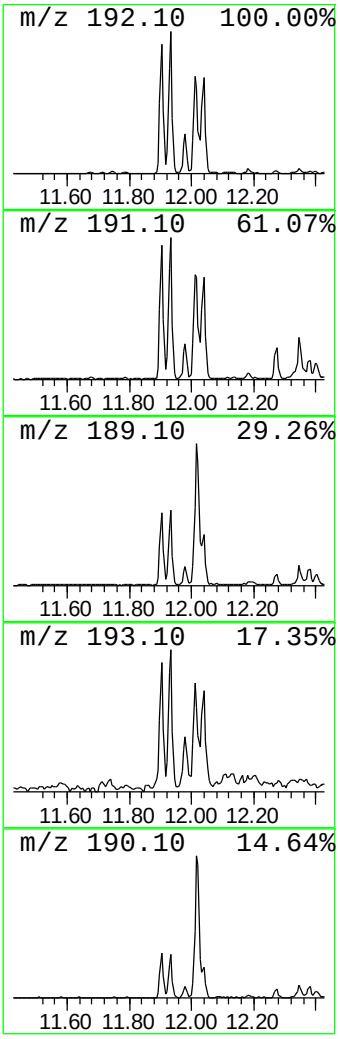
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	8.88 ng	271756	Phenanthrene-d10	11.40

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, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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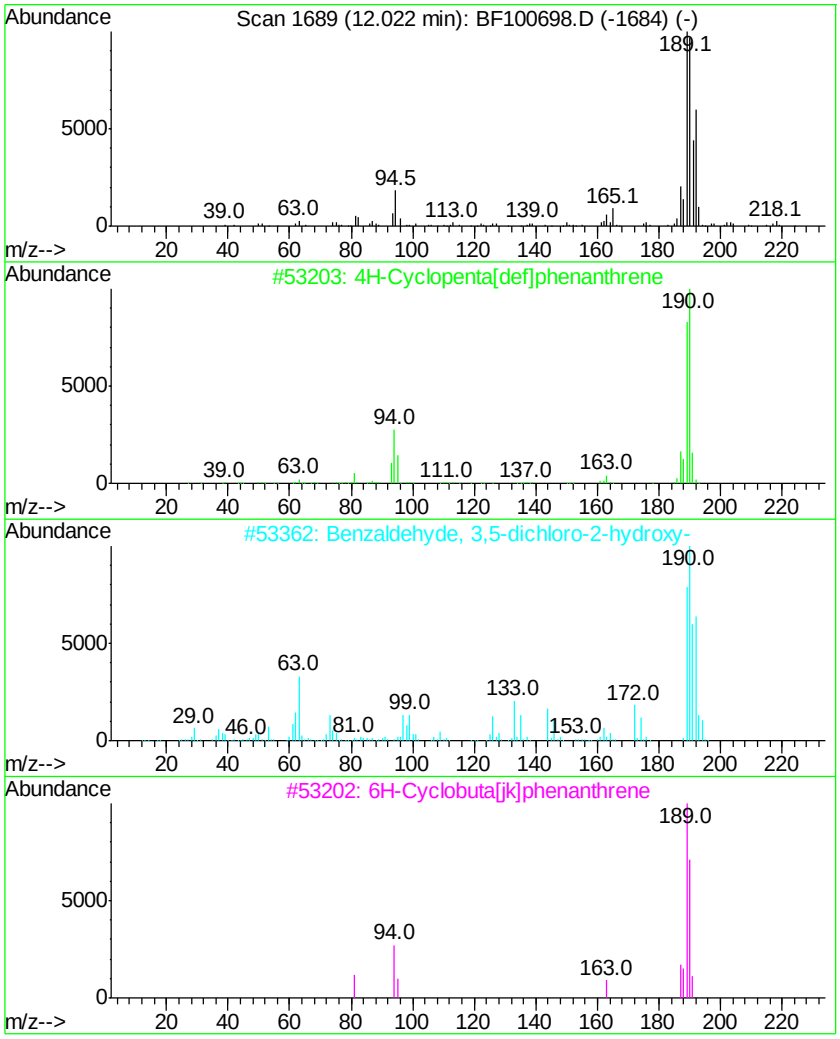
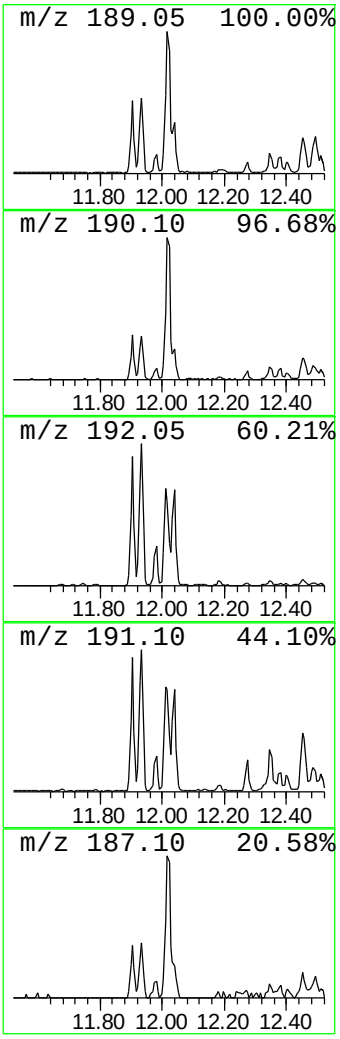
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	11.26 ng	344698	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	43
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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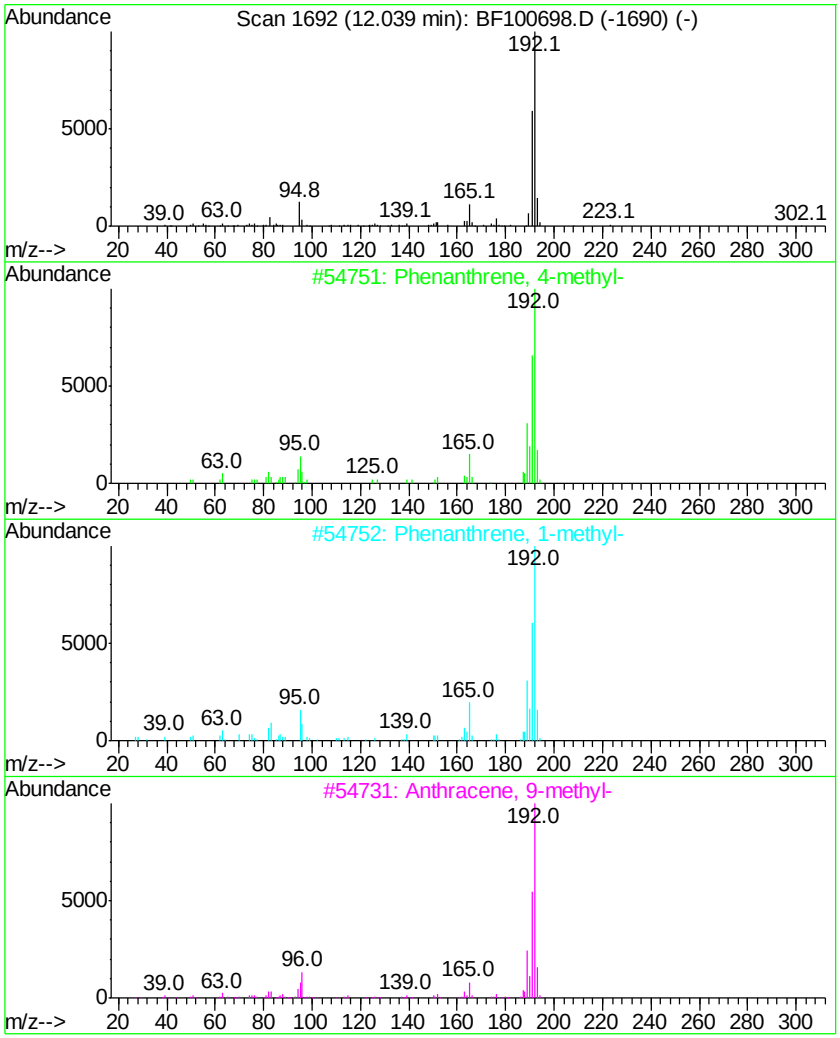
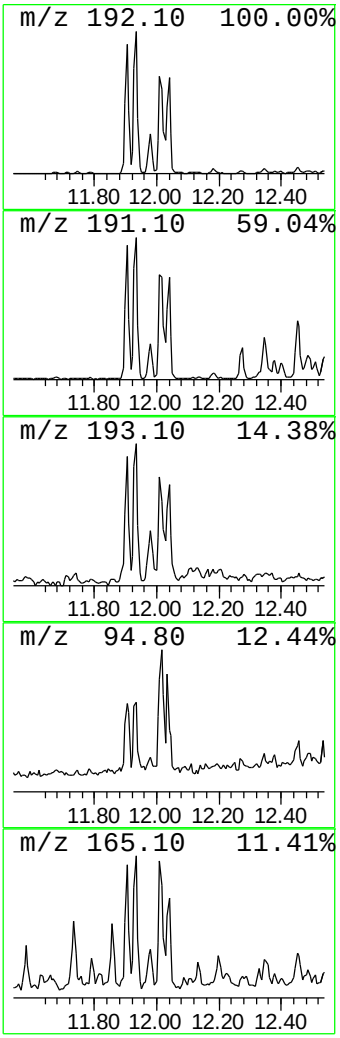
Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	5.31 ng	162692	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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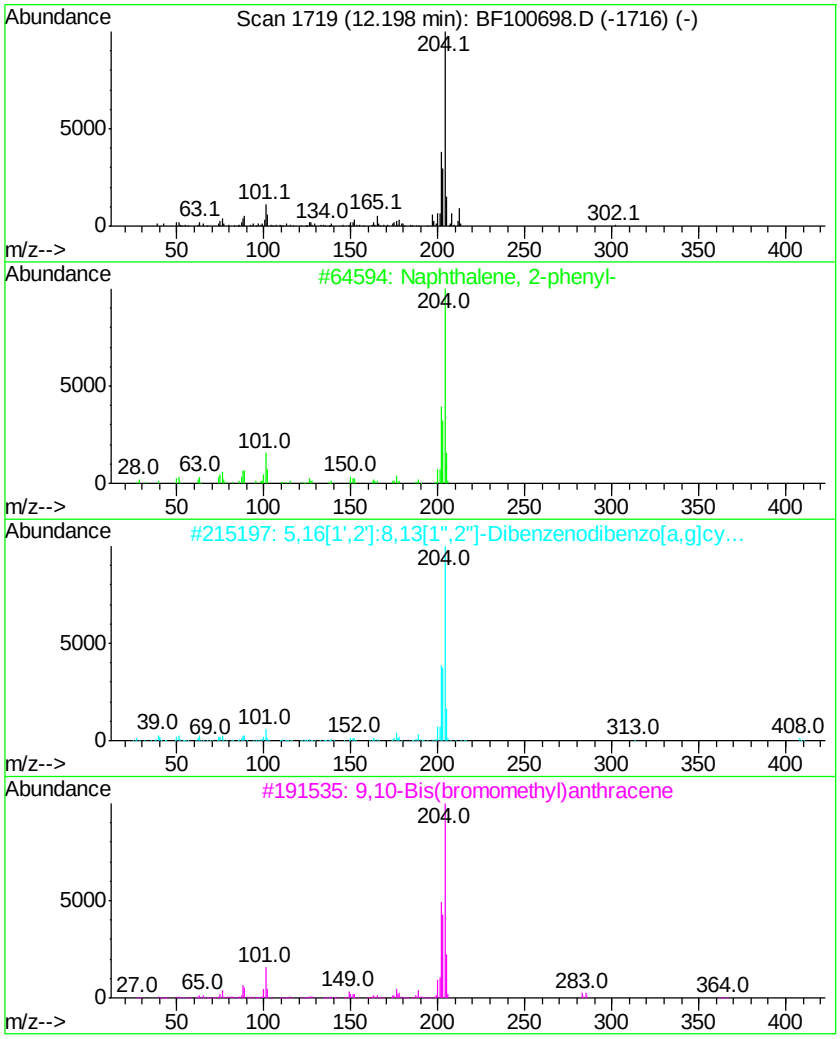
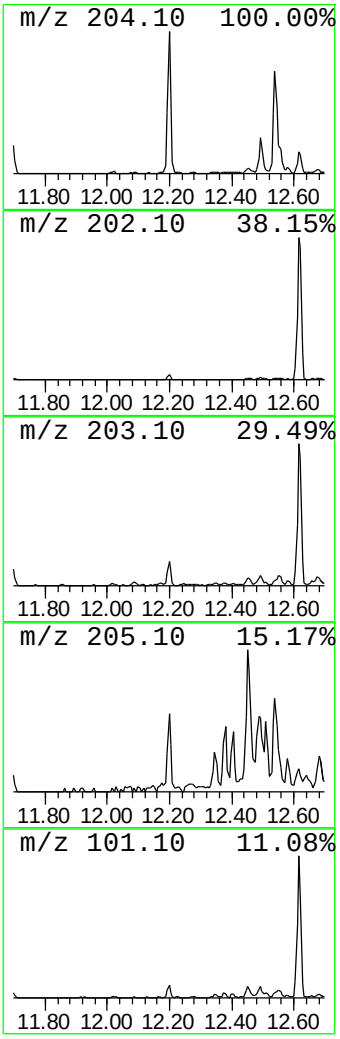
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	3.81 ng	116655	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	58





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Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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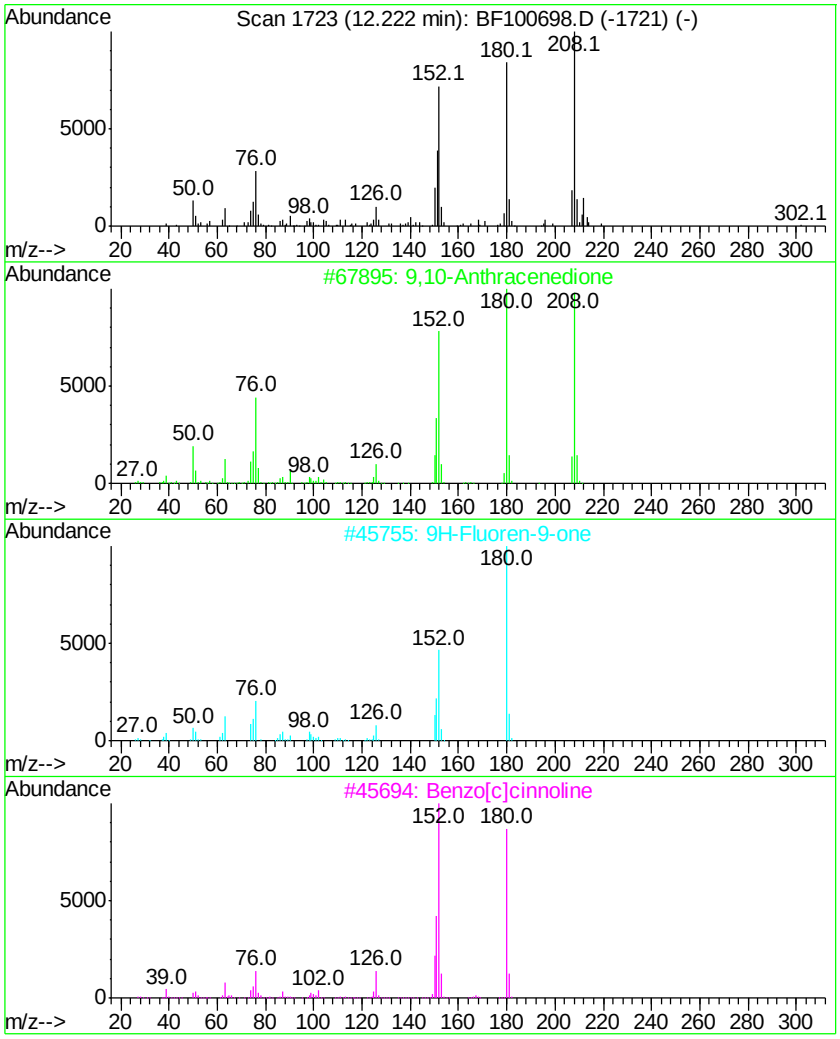
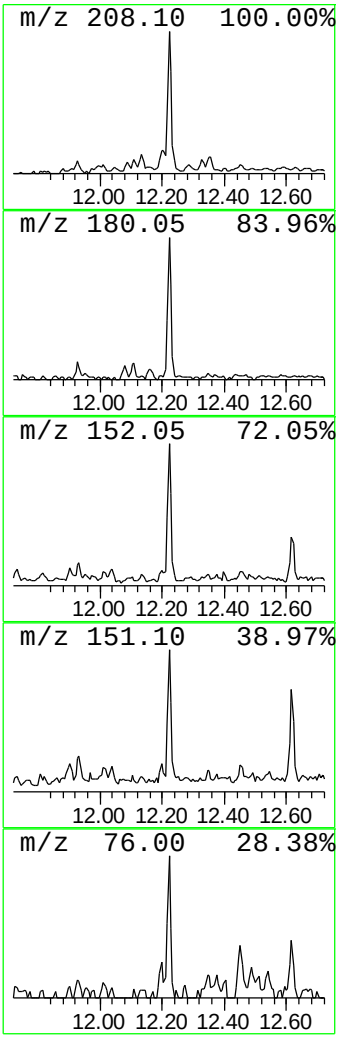
Peak Number 13 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	3.75 ng	114734	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





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Misc :
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Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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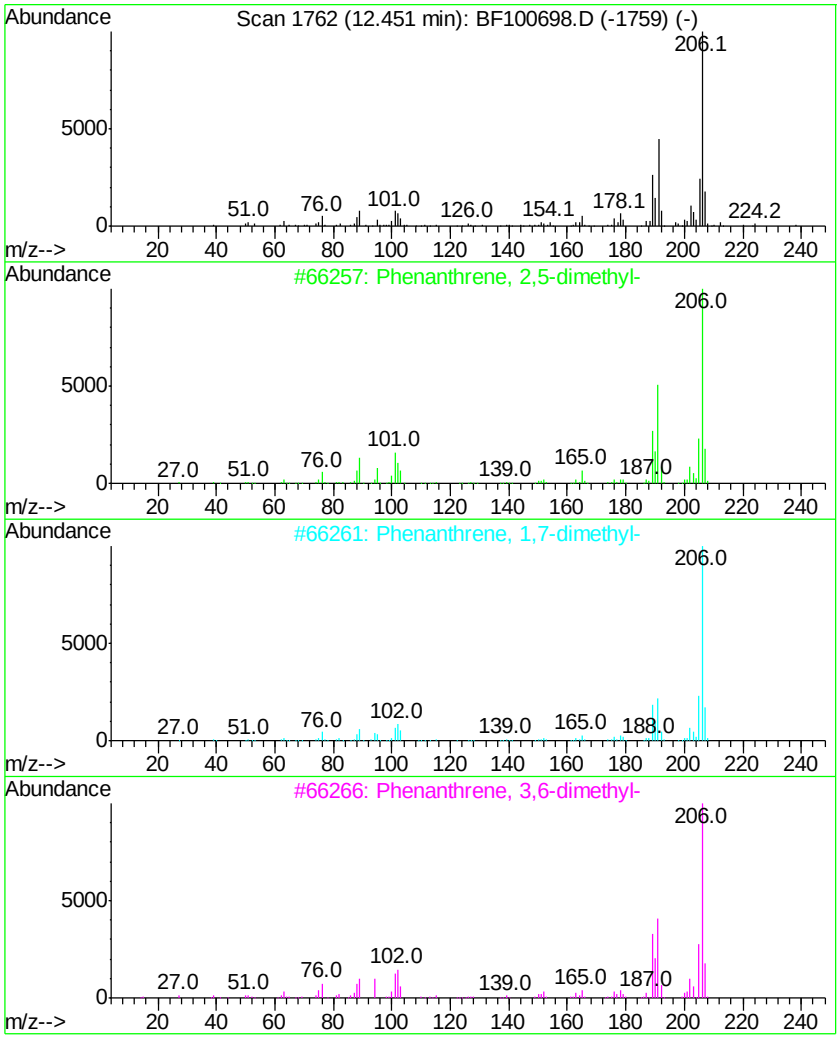
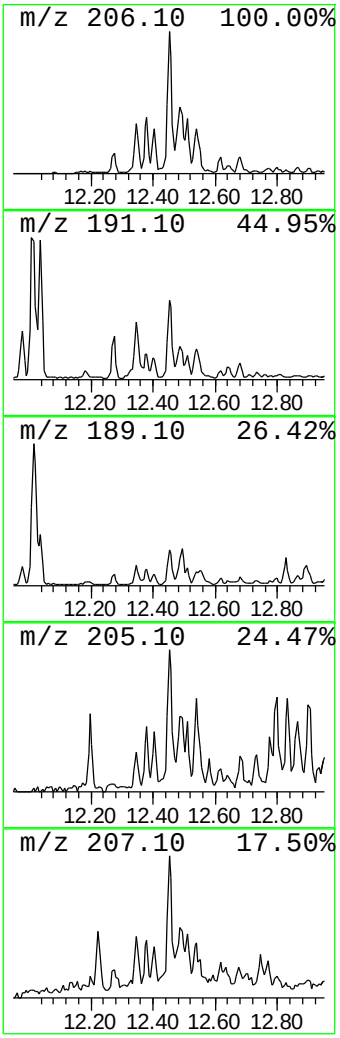
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	6.27 ng	191842	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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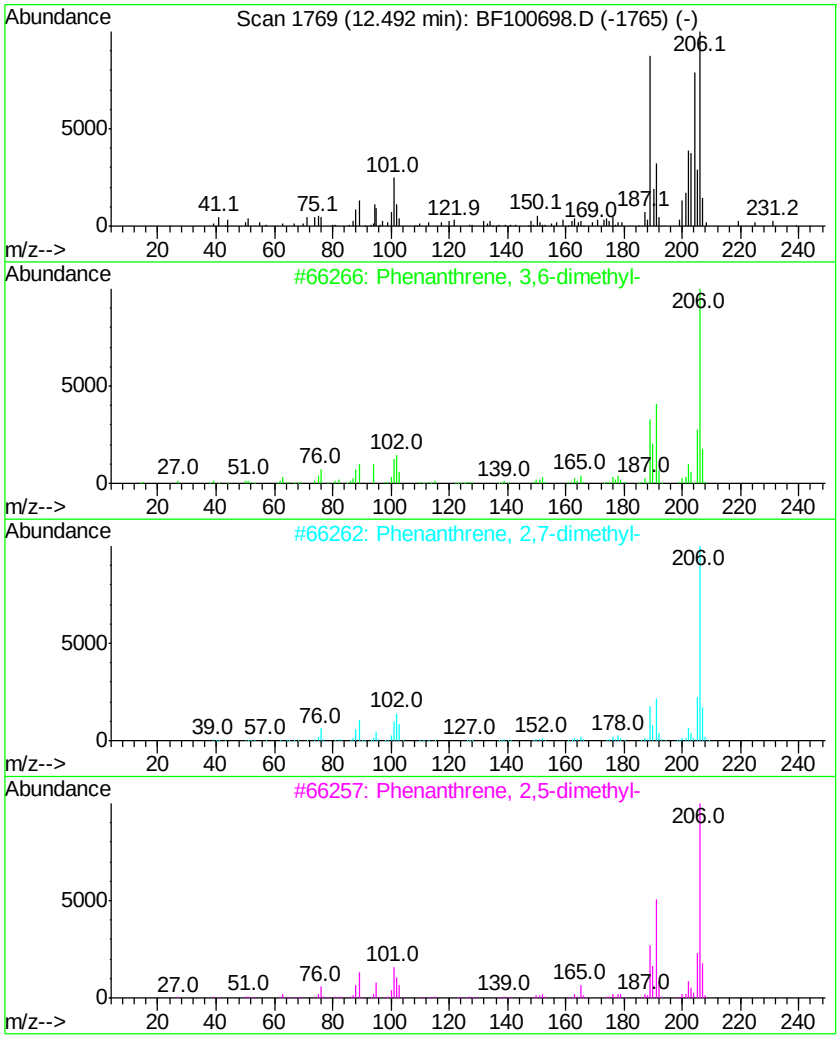
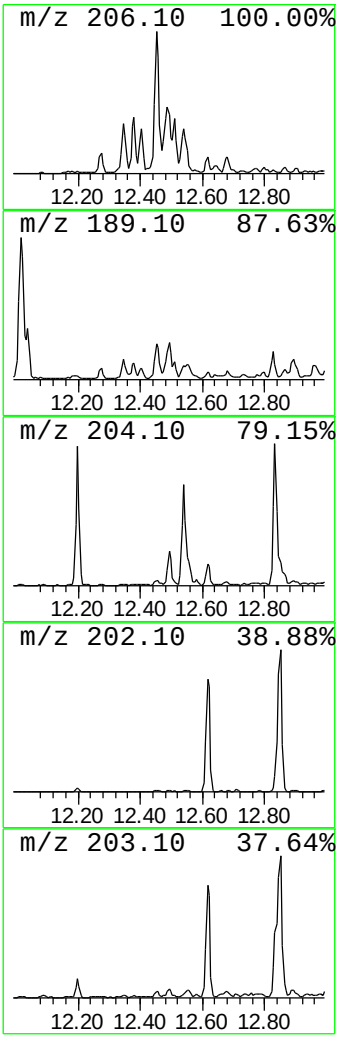
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	4.71 ng	144160	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	92
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	78
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	62
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	62





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Misc :
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Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

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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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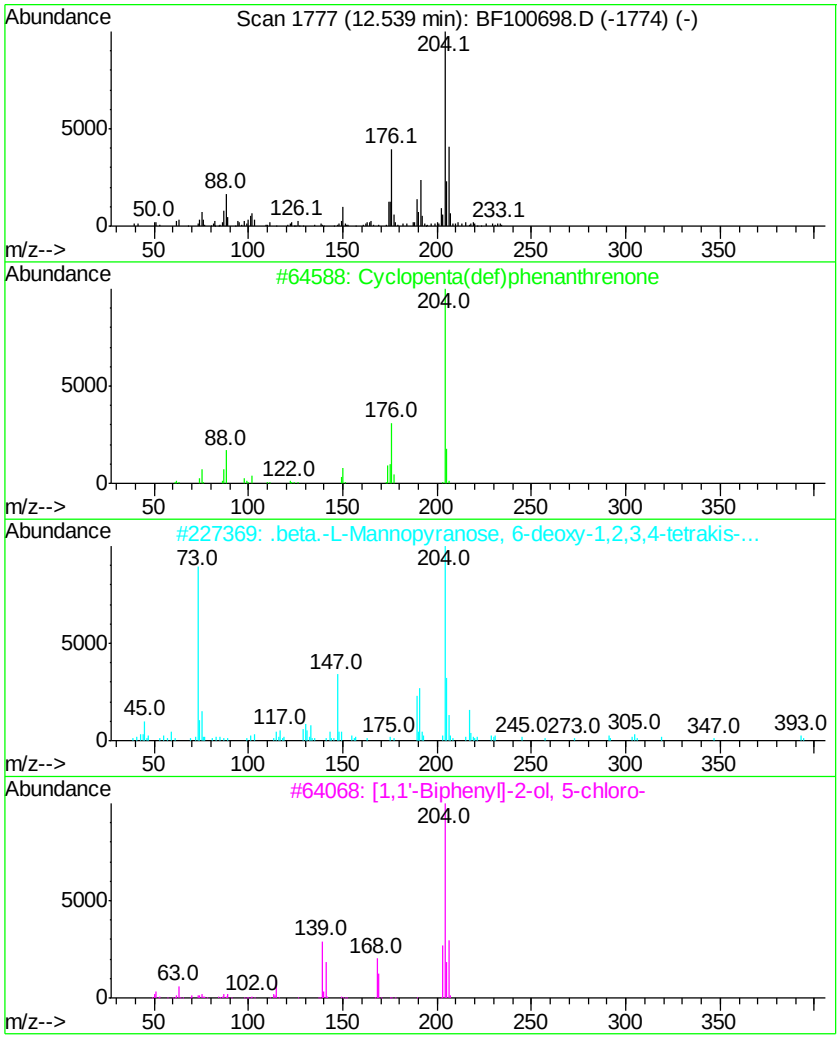
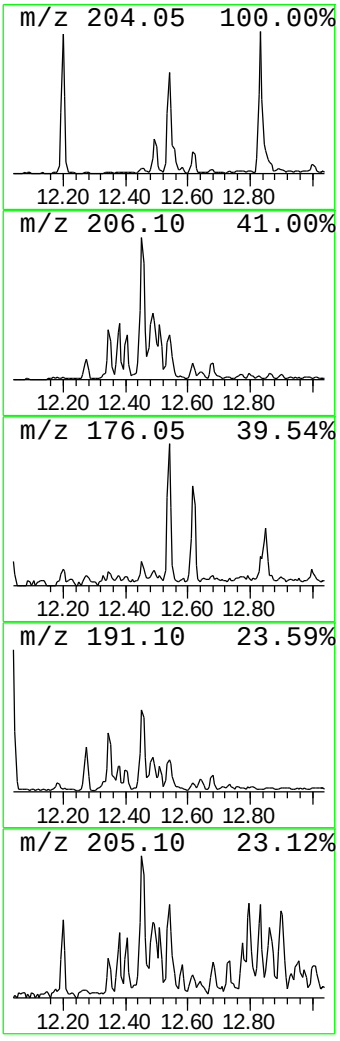
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	5.49 ng	167963	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	.beta.-L-Mannopyranose, 6-deoxy-...	452	C18H44O5Si4	055057-22-2	47
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

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

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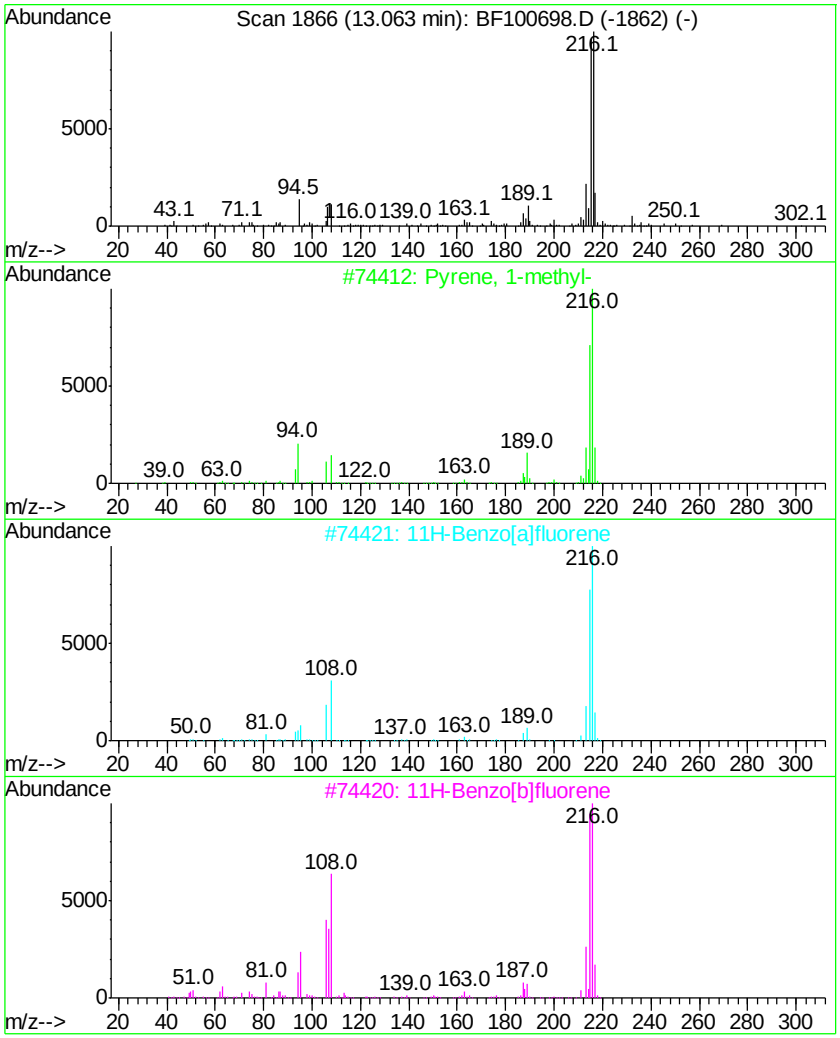
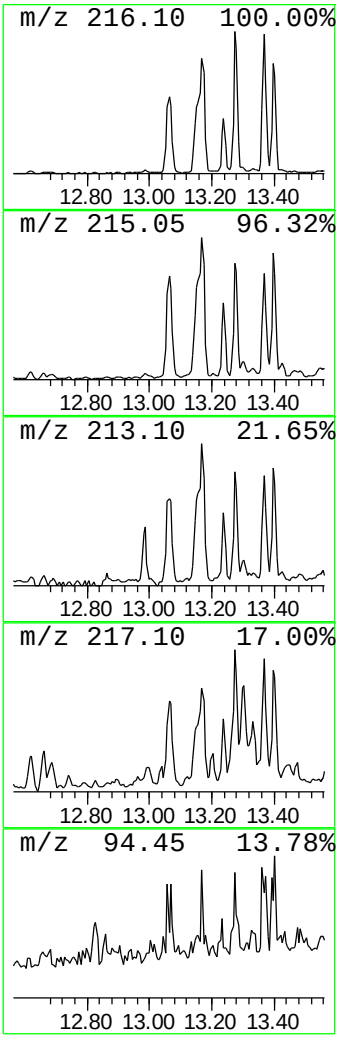
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	3.17 ng	217452	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





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Operator : SJ/JU
Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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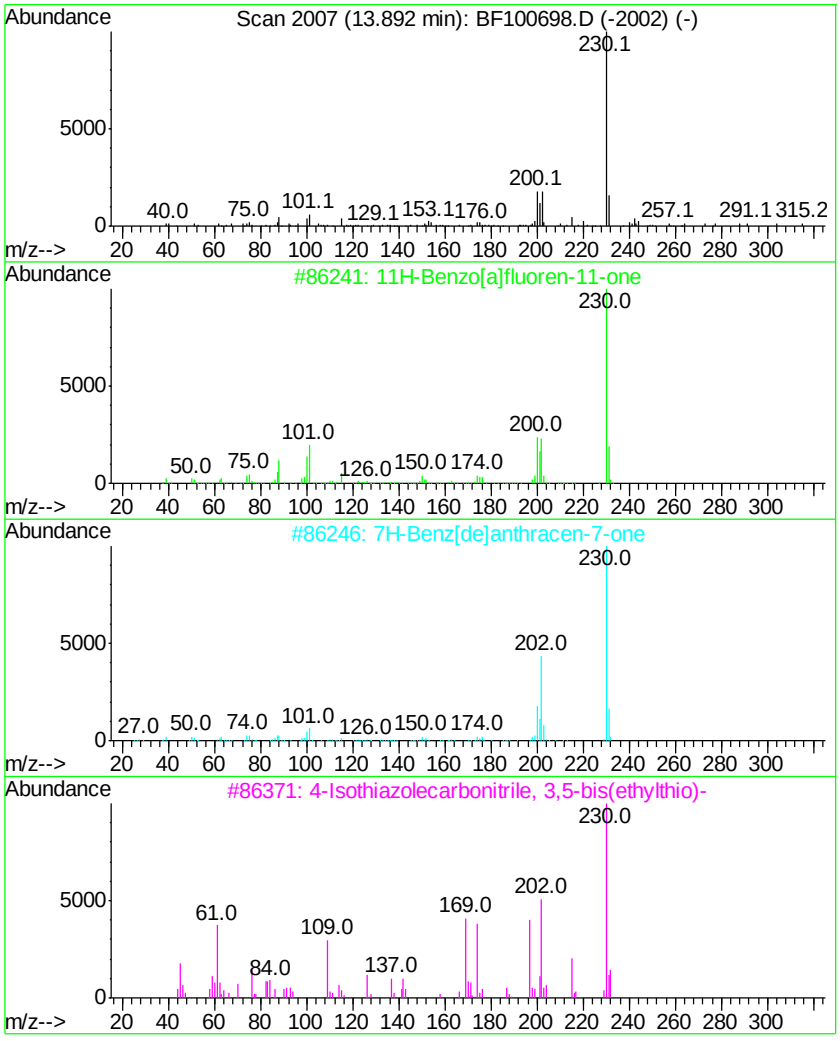
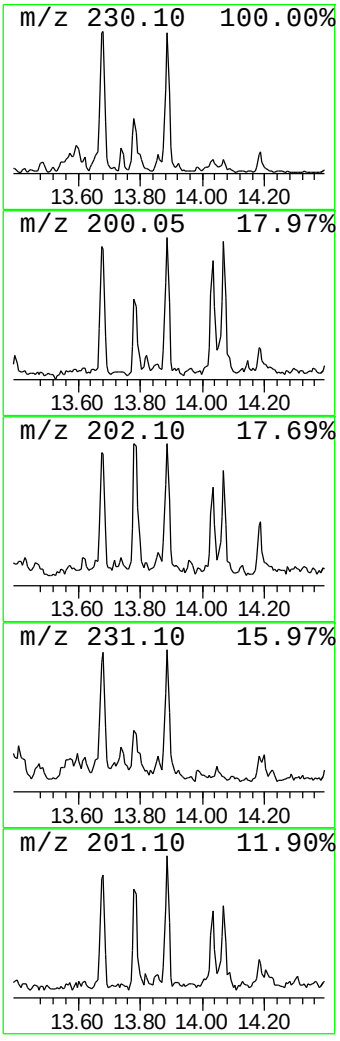
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	3.01 ng	206426	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59
5	o-Terphenyl	230	C18H14	000084-15-1	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\
Data File : BF100698.D
Acq On : 18 Nov 2017 2:25
Operator : SJ/JU
Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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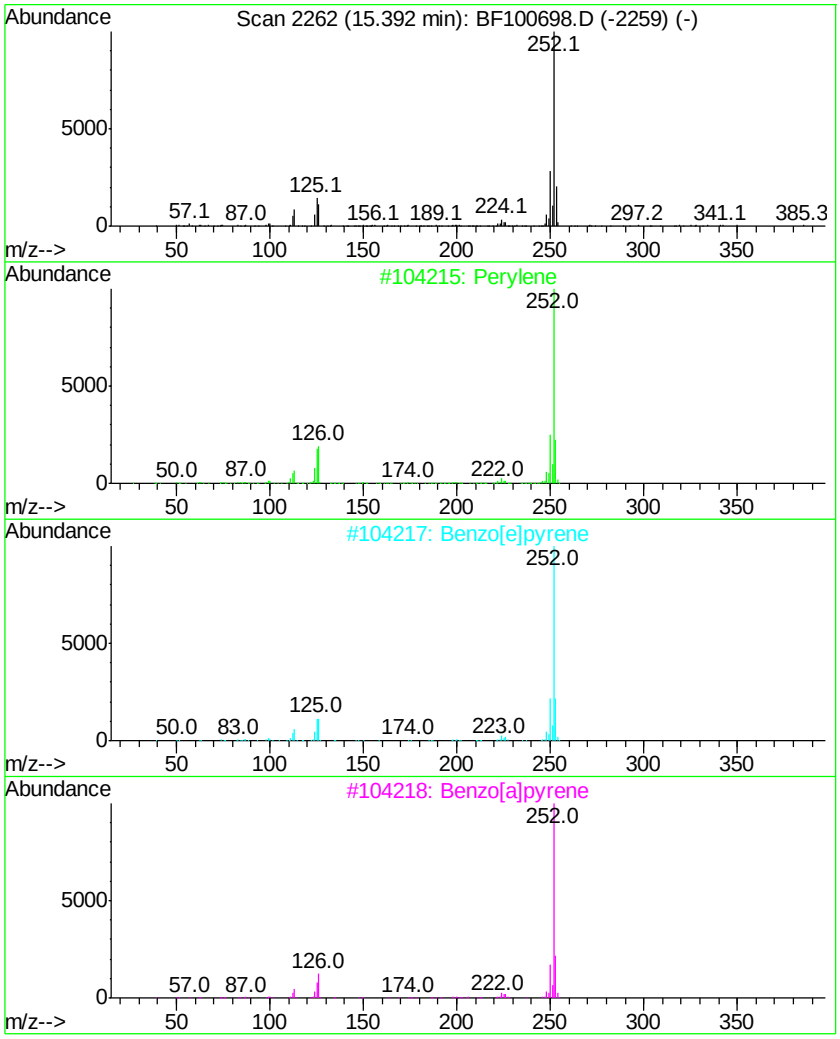
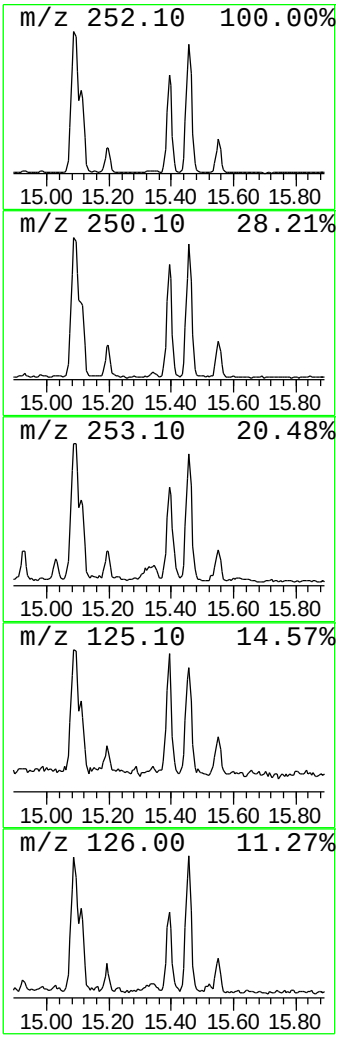
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	11.79 ng	288863	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111717\
Data File : BF100698.D
Acq On : 18 Nov 2017 2:25
Operator : SJ/JU
Sample : I6419-04 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LEW-2-E(6-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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...	5.10	7.3	ng	209739	1	6.88	574261	20.0
unknown6.65	6.65	40.4	ng	1160540	1	6.88	574261	20.0
Benzophenone	10.63	6.0	ng	215878	3	9.92	725051	20.0
unknown10.83	10.83	4.1	ng	125409	4	11.40	612348	20.0
Anthracene, 1,2,3...	11.26	3.1	ng	94766	4	11.40	612348	20.0
Dibenzothiophene	11.30	3.4	ng	102756	4	11.40	612348	20.0
Anthracene, 2-met...	11.90	7.8	ng	239769	4	11.40	612348	20.0
Phenanthrene, 2-m...	11.93	8.9	ng	271756	4	11.40	612348	20.0
4H-Cyclopenta[def...	12.02	11.3	ng	344698	4	11.40	612348	20.0
Phenanthrene, 4-m...	12.04	5.3	ng	162692	4	11.40	612348	20.0
Naphthalene, 2-ph...	12.20	3.8	ng	116655	4	11.40	612348	20.0
9,10-Anthracenedione	12.22	3.8	ng	114734	4	11.40	612348	20.0
Phenanthrene, 2,5...	12.45	6.3	ng	191842	4	11.40	612348	20.0
Phenanthrene, 3,6...	12.49	4.7	ng	144160	4	11.40	612348	20.0
Cyclopenta(def)ph...	12.54	5.5	ng	167963	4	11.40	612348	20.0
Pyrene, 1-methyl-	13.06	3.2	ng	217452	5	14.05	1370120	20.0
11H-Benzo[a]fluor...	13.89	3.0	ng	206426	5	14.05	1370120	20.0
Perylene	15.39	11.8	ng	288863	6	15.52	490205	20.0