LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
Data File : BF106303.D
Acq On : 11 Jun 2018 19:08
Operator : JU/SJ
Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

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-BF061118.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	5.190	481	485	494	rVB	254426	285904	6.62%	0.371%
2	5.578	547	551	555	rBV	2902500	2962496	68.61%	3.845%
3	6.584	716	722	726	rBV	3021206	3102850	71.86%	4.027%
4	6.737	743	748	751	rBV	3191146	3090005	71.56%	4.011%
5	6.966	784	787	791	rVB	1524689	1310076	30.34%	1.700%
6	7.125	810	814	817	rBV	2949924	2411882	55.86%	3.131%
7	7.525	878	882	886	rBV	2072824	1951581	45.20%	2.533%
8	8.248	1002	1005	1008	rBV	1899494	1692772	39.20%	2.197%
9	9.325	1184	1188	1191	rBV	4272391	3550846	82.23%	4.609%
10	9.660	1241	1245	1248	rBV	143339	158272	3.67%	0.205%
11	9.713	1252	1254	1262	rVB	610707	568599	13.17%	0.738%
12	9.872	1277	1281	1284	rBV	398566	387504	8.97%	0.503%
13	9.925	1287	1290	1293	rVB2	135320	129179	2.99%	0.168%
14	10.007	1301	1304	1308	rBV	1988084	1765627	40.89%	2.292%
15	10.042	1308	1310	1312	rVB	221982	165373	3.83%	0.215%
16	10.207	1333	1338	1342	rVV2	178098	228258	5.29%	0.296%
17	10.248	1342	1345	1348	rVB	158697	127979	2.96%	0.166%
18	10.319	1353	1357	1360	rBV2	147484	176765	4.09%	0.229%
19	10.425	1368	1375	1378	rVB2	183566	266577	6.17%	0.346%
20	10.554	1394	1397	1402	rVB	292831	281734	6.52%	0.366%
21	10.713	1419	1424	1427	rBV3	88403	122158	2.83%	0.159%
22	10.795	1432	1438	1442	rBV	2439534	2122070	49.15%	2.754%
23	10.901	1453	1456	1457	rBV	176078	141248	3.27%	0.183%
24	10.919	1457	1459	1465	rVB2	212306	205631	4.76%	0.267%
25	11.101	1485	1490	1493	rBV3	137246	192273	4.45%	0.250%
26	11.131	1493	1495	1498	rVV2	131700	118995	2.76%	0.154%
27	11.230	1507	1512	1514	rVV4	87702	127543	2.95%	0.166%
28	11.254	1514	1516	1520	rVV3	119867	137613	3.19%	0.179%
29	11.301	1521	1524	1527	rVV2	173688	174340	4.04%	0.226%
30	11.348	1528	1532	1535	rVV3	143575	170458	3.95%	0.221%
31	11.395	1535	1540	1544	rVB	219755	251233	5.82%	0.326%
32	11.501	1554	1558	1560	rBV	1889691	1758563	40.73%	2.283%
33	11.525	1560	1562	1565	rVV	2455409	1809521	41.91%	2.349%
34	11.572	1567	1570	1573	rVV	823517	682640	15.81%	0.886%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
Data File : BF106303.D
Acq On : 11 Jun 2018 19:08
Operator : JU/SJ
Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

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-BF061118.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.601	1573	1575	1578	rVB3	114604	128135	2.97%	0.166%
36	11.725	1593	1596	1599	rBV	158832	144160	3.34%	0.187%
37	11.830	1611	1614	1619	rVB	249372	214071	4.96%	0.278%
38	11.913	1625	1628	1632	rVB	141888	151238	3.50%	0.196%
39	12.001	1639	1643	1646	rVV	681348	831624	19.26%	1.079%
40	12.030	1646	1648	1651	rVB	726445	579028	13.41%	0.752%
41	12.078	1652	1656	1658	rBV	294727	269651	6.24%	0.350%
42	12.113	1658	1662	1664	rVV2	978877	1079742	25.01%	1.402%
43	12.136	1664	1666	1669	rVB	497434	380020	8.80%	0.493%
44	12.230	1680	1682	1685	rVB2	127334	106804	2.47%	0.139%
45	12.295	1685	1693	1695	rBV2	371722	427224	9.89%	0.555%
46	12.319	1695	1697	1704	rVB3	258385	319988	7.41%	0.415%
47	12.401	1704	1711	1713	rBV3	80114	176028	4.08%	0.228%
48	12.425	1713	1715	1717	rBV	152039	152101	3.52%	0.197%
49	12.472	1721	1723	1725	rBV	197472	163709	3.79%	0.212%
50	12.501	1725	1728	1730	rVB2	205001	190989	4.42%	0.248%
51	12.548	1730	1736	1739	rBV	688105	780846	18.08%	1.014%
52	12.589	1739	1743	1745	rVV2	297692	381756	8.84%	0.496%
53	12.636	1748	1751	1756	rBV2	457770	569260	13.18%	0.739%
54	12.719	1761	1765	1768	rBV	3627635	3262116	75.55%	4.234%
55	12.760	1768	1772	1773	rBV	138042	141219	3.27%	0.183%
56	12.807	1777	1780	1783	rVB2	178353	197950	4.58%	0.257%
57	12.872	1787	1791	1793	rBV	262750	255887	5.93%	0.332%
58	12.948	1797	1804	1809	rBV	3691754	4317965	100.00%	5.605%
59	12.995	1809	1812	1816	rVB2	320833	360244	8.34%	0.468%
60	13.060	1819	1823	1824	rBV2	179037	193166	4.47%	0.251%
61	13.083	1824	1827	1834	rVB	3508313	3397373	78.68%	4.410%
62	13.160	1836	1840	1847	rBV5	454978	786448	18.21%	1.021%
63	13.219	1847	1850	1852	rBV	152587	147680	3.42%	0.192%
64	13.248	1852	1855	1856	rBV2	350731	358082	8.29%	0.465%
65	13.272	1856	1859	1862	rVB	803645	813547	18.84%	1.056%
66	13.319	1862	1867	1868	rBV3	115570	174329	4.04%	0.226%
67	13.336	1868	1870	1873	rVB	478179	403704	9.35%	0.524%
68	13.377	1873	1877	1880	rBV2	763204	727714	16.85%	0.945%
69	13.436	1884	1887	1890	rBV3	86982	122841	2.84%	0.159%
70	13.472	1890	1893	1895	rVV	581357	473188	10.96%	0.614%
71	13.501	1895	1898	1901	rVB	565514	461756	10.69%	0.599%

LSC Area Percent Report

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Data File : BF106303.D
Acq On : 11 Jun 2018 19:08
Operator : JU/SJ
Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

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-BF061118.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.577	1909	1911	1915	rVB4	114768	125963	2.92%	0.163%
73	13.648	1920	1923	1924	rBV2	150354	153693	3.56%	0.199%
74	13.777	1942	1945	1950	rVB	416573	473044	10.96%	0.614%
75	13.842	1954	1956	1959	rVB	161734	127442	2.95%	0.165%
76	13.895	1959	1965	1968	rBV3	581231	819252	18.97%	1.063%
77	13.924	1968	1970	1972	rVB	346229	239362	5.54%	0.311%
78	13.948	1972	1974	1976	rBV	296922	306345	7.09%	0.398%
79	14.066	1991	1994	1997	rBV	143944	158148	3.66%	0.205%
80	14.142	2003	2007	2011	rBV2	2516192	3909609	90.54%	5.075%
81	14.177	2011	2013	2018	rVB	2111785	1783986	41.32%	2.316%
82	14.236	2020	2023	2025	rBV	216596	195560	4.53%	0.254%
83	14.260	2025	2027	2029	rVB	252388	189279	4.38%	0.246%
84	14.295	2031	2033	2038	rVB4	164133	223302	5.17%	0.290%
85	14.377	2043	2047	2050	rBV3	163687	267234	6.19%	0.347%
86	14.407	2050	2052	2055	rVB2	203968	172227	3.99%	0.224%
87	14.507	2066	2069	2070	rBV	159556	130277	3.02%	0.169%
88	14.542	2070	2075	2078	rVV	649841	795235	18.42%	1.032%
89	14.577	2078	2081	2084	rVV	404222	391058	9.06%	0.508%
90	14.619	2085	2088	2090	rVV3	279146	409738	9.49%	0.532%
91	14.671	2094	2097	2099	rVV	415903	416937	9.66%	0.541%
92	14.695	2099	2101	2105	rVB	345880	301159	6.97%	0.391%
93	15.236	2188	2193	2196	rBV	1278883	2224349	51.51%	2.887%
94	15.342	2208	2211	2215	rVB	342600	380067	8.80%	0.493%
95	15.554	2243	2247	2253	rVB	879050	1184538	27.43%	1.538%
96	15.624	2254	2259	2265	rVV	1290632	1729089	40.04%	2.244%
97	15.689	2265	2270	2273	rVV	985337	1408821	32.63%	1.829%
98	15.718	2273	2275	2281	rVB2	391813	530560	12.29%	0.689%
99	17.242	2529	2534	2545	rVB2	466371	965460	22.36%	1.253%
100	17.724	2610	2616	2623	rVB2	369284	759720	17.59%	0.986%

Sum of corrected areas: 77041602

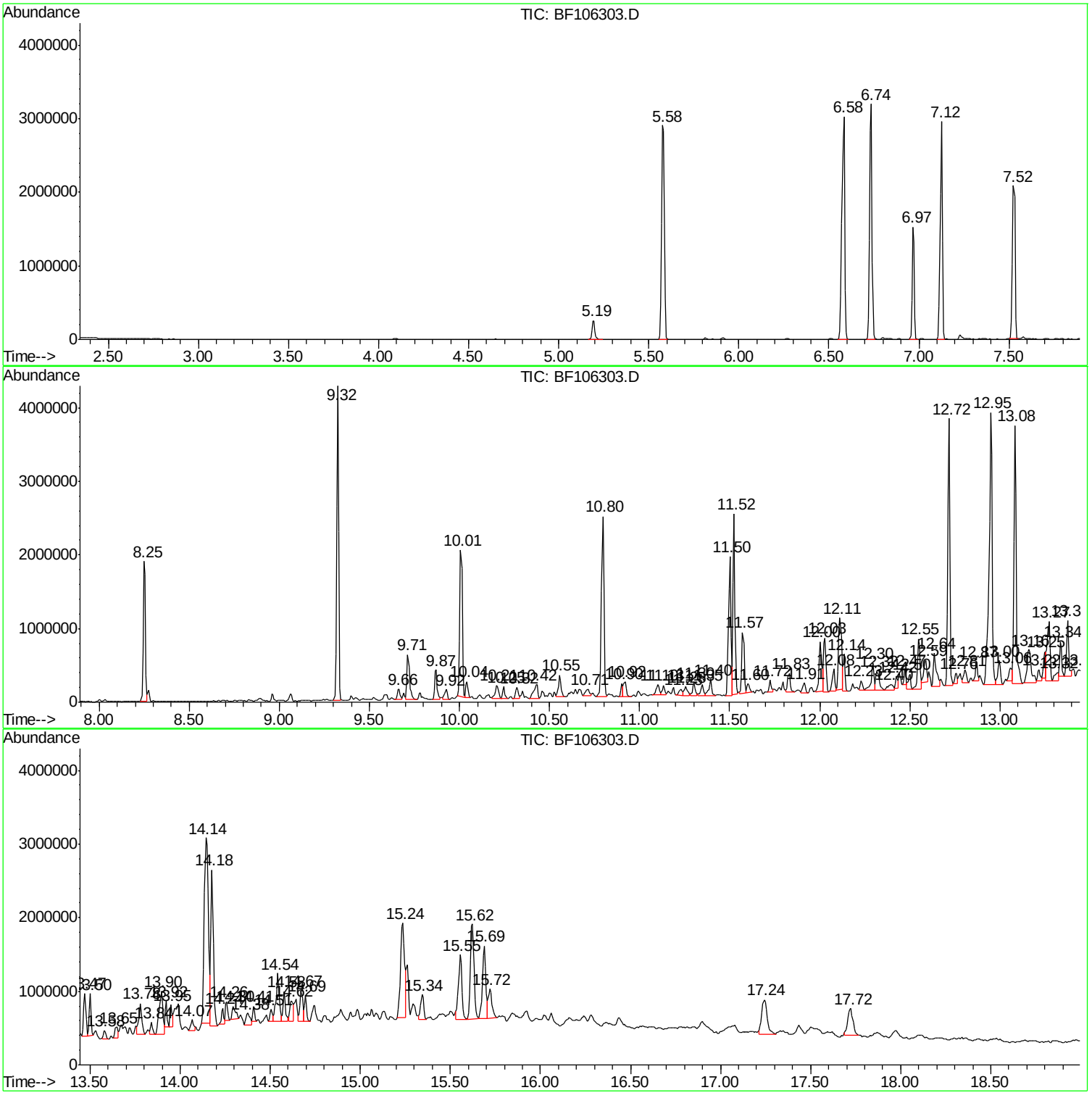
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
Data File : BF106303.D
Acq On : 11 Jun 2018 19:08
Operator : JU/SJ
Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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\BF061118\
Data File : BF106303.D
Acq On : 11 Jun 2018 19:08
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Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

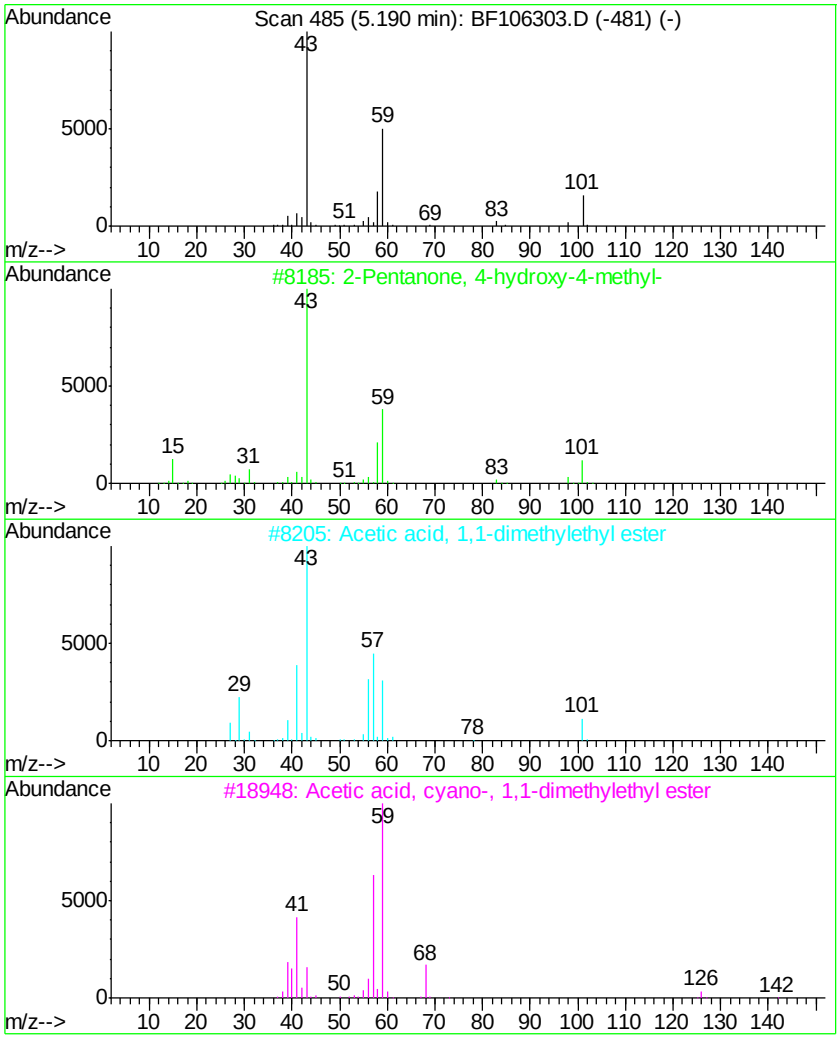
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

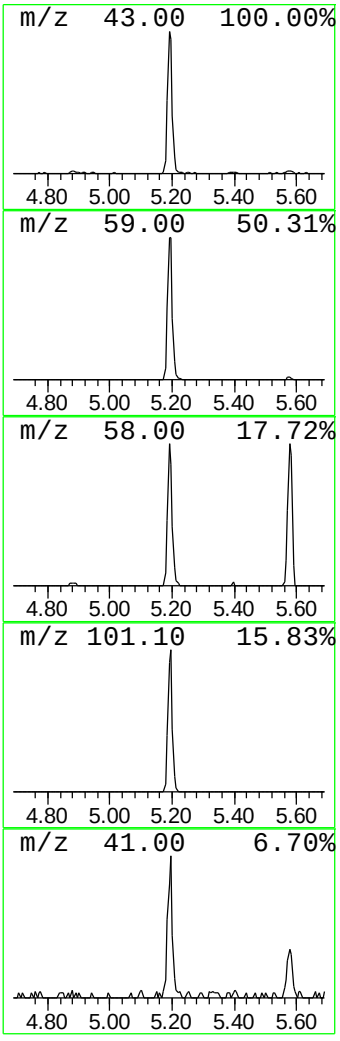
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	4.36 ng	285904	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
Data File : BF106303.D
Acq On : 11 Jun 2018 19:08
Operator : JU/SJ
Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

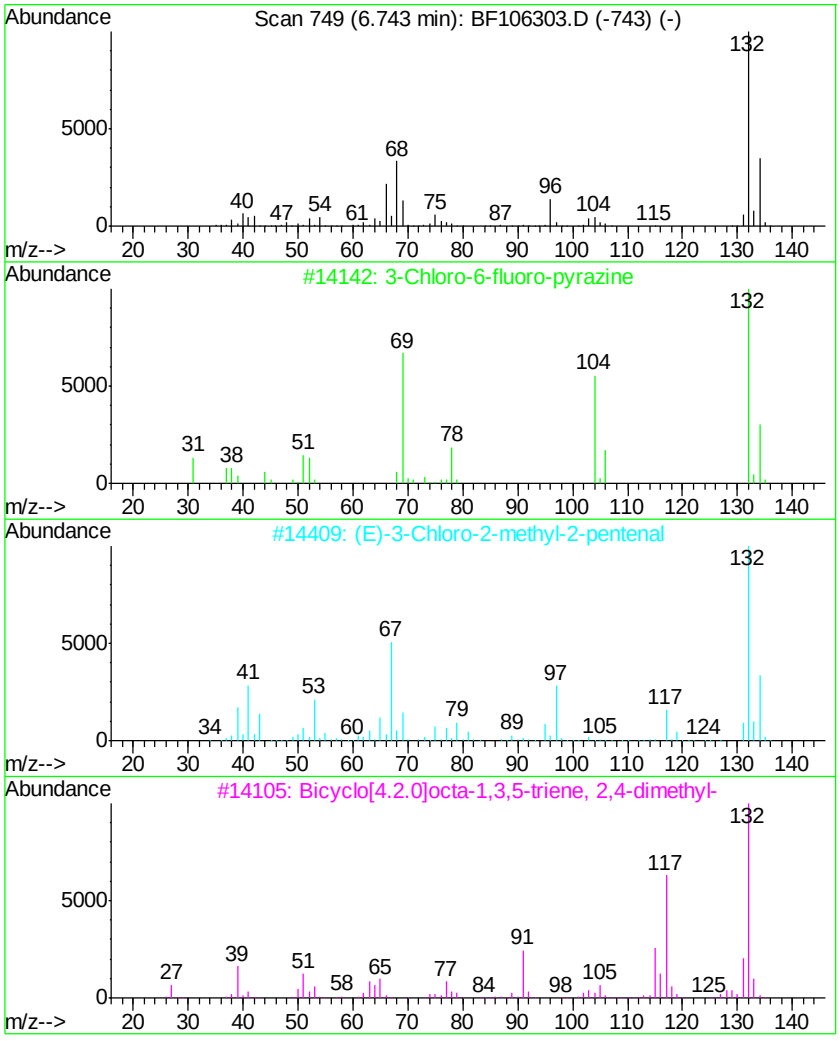
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

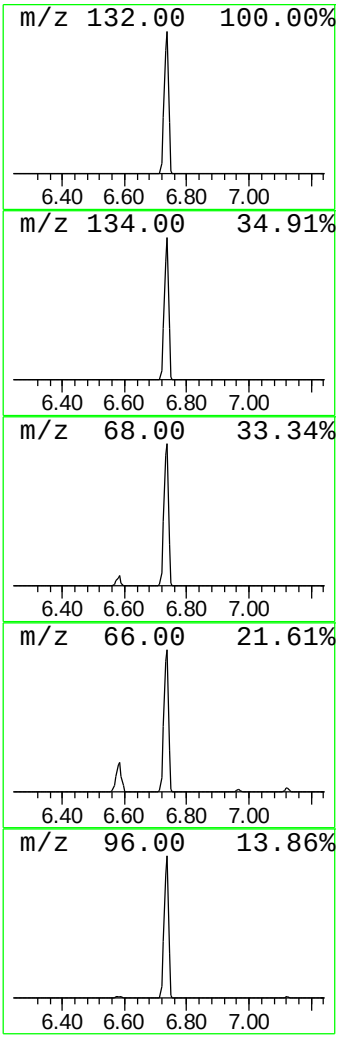
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	47.17 ng	3090010	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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Acq On : 11 Jun 2018 19:08
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Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

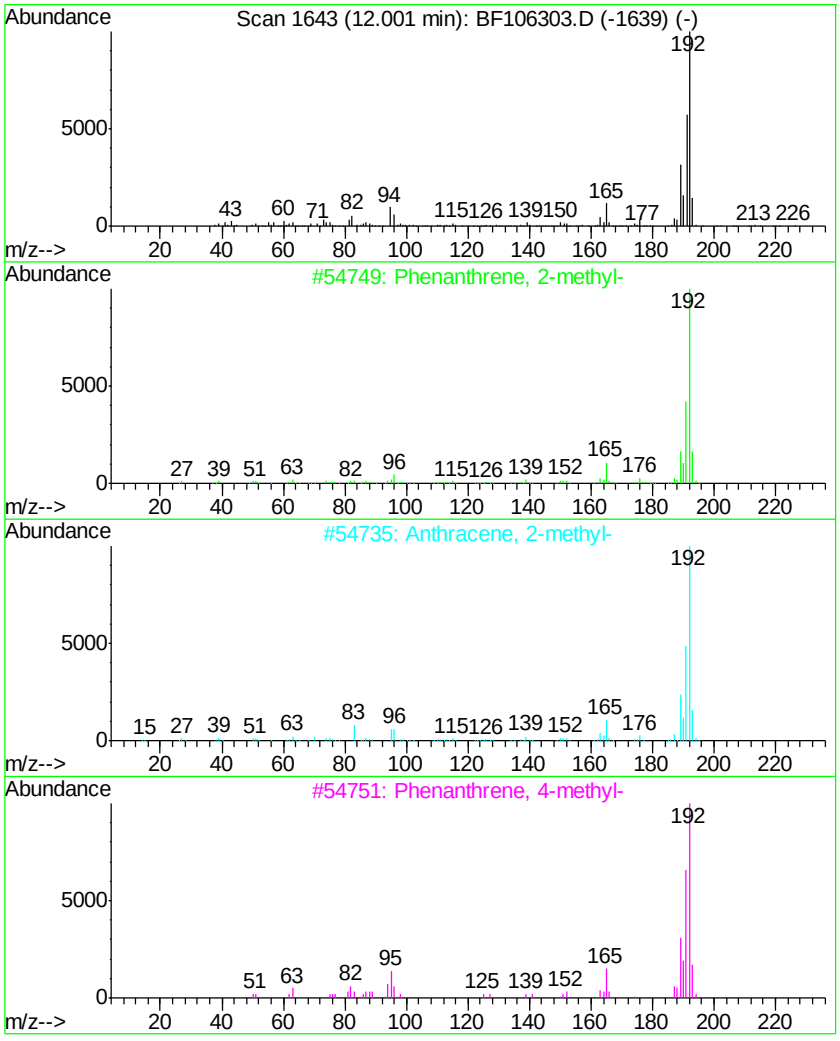
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

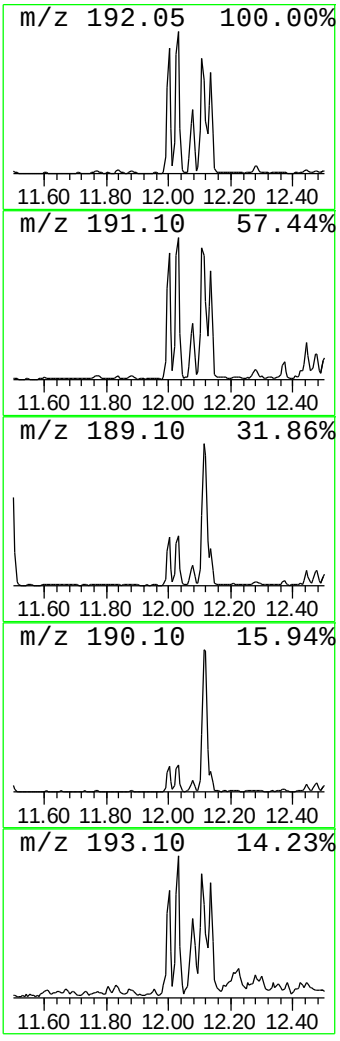
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	9.46 ng	831624	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
Data File : BF106303.D
Acq On : 11 Jun 2018 19:08
Operator : JU/SJ
Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

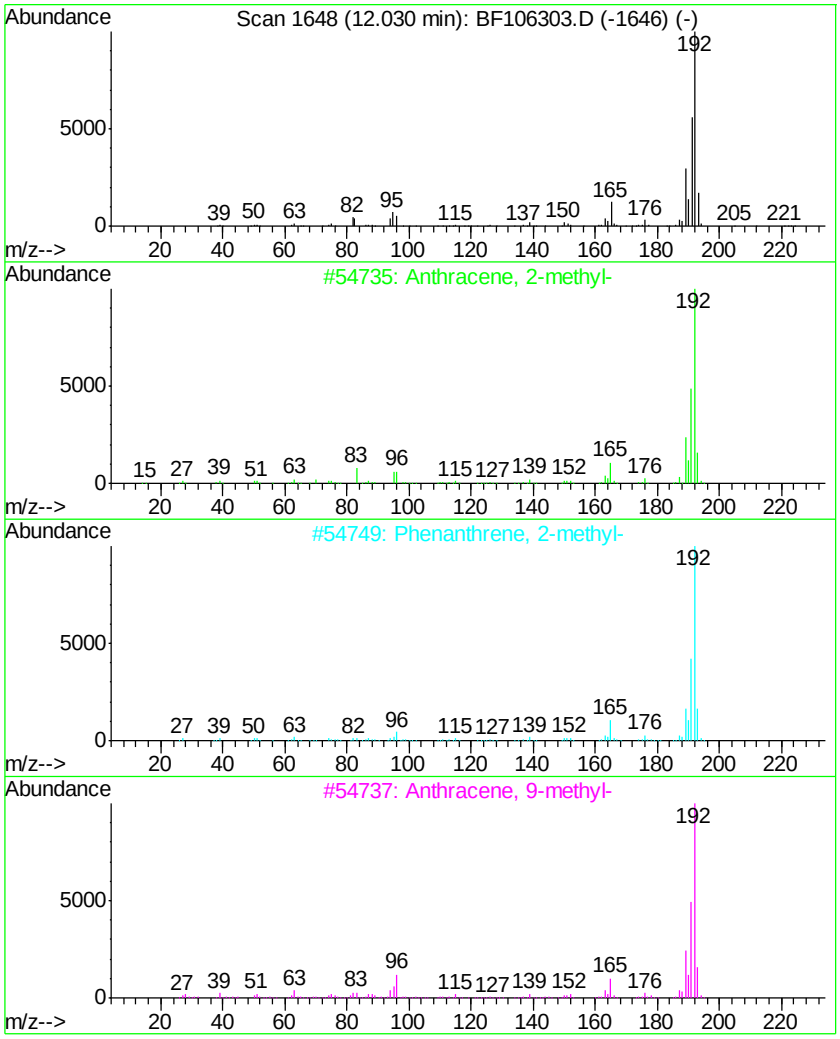
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

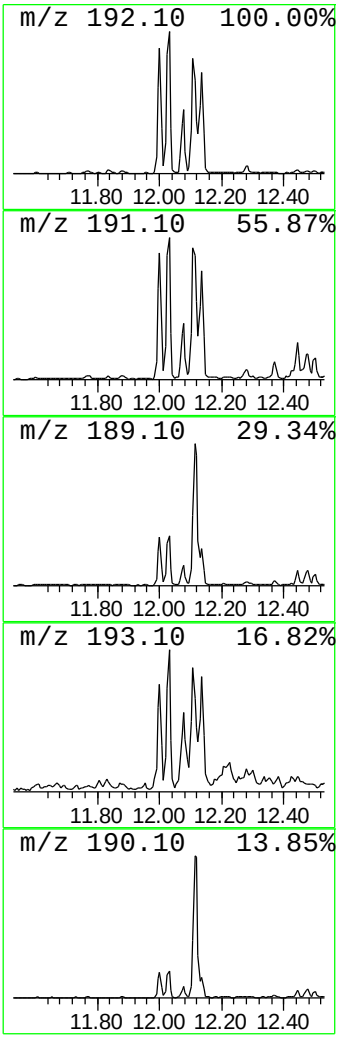
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	6.59 ng	579028	Phenanthrene-d10	11.50

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	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
Data File : BF106303.D
Acq On : 11 Jun 2018 19:08
Operator : JU/SJ
Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

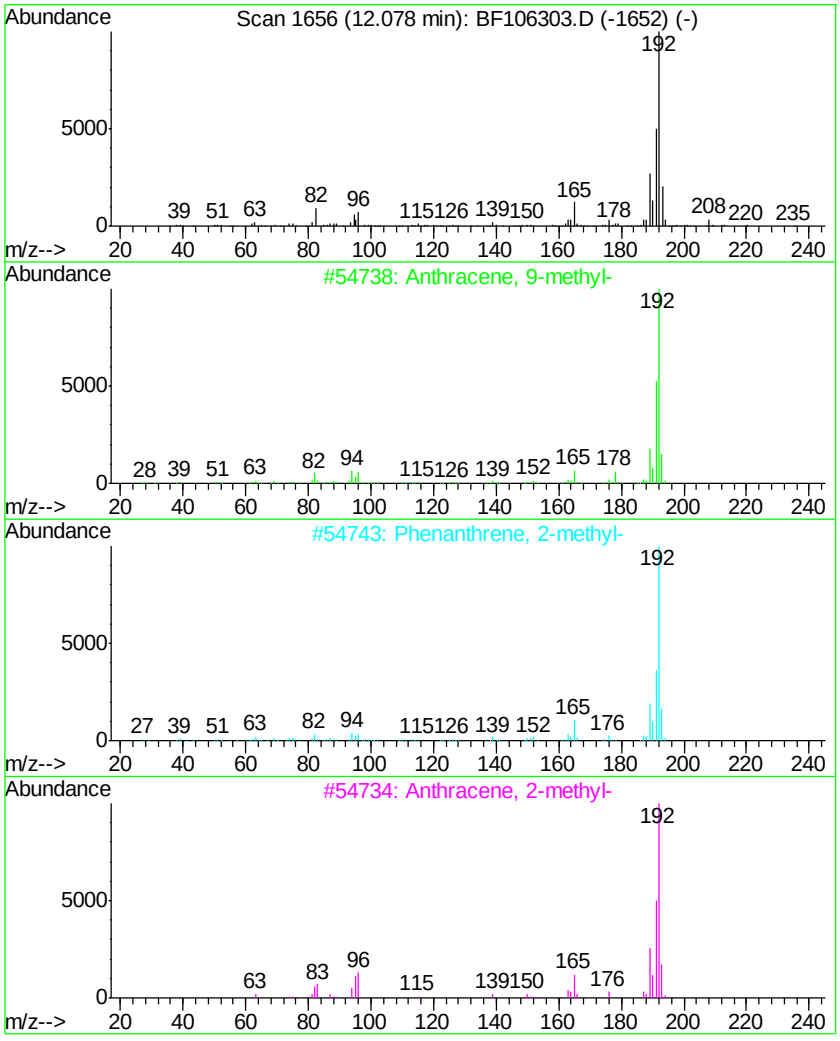
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

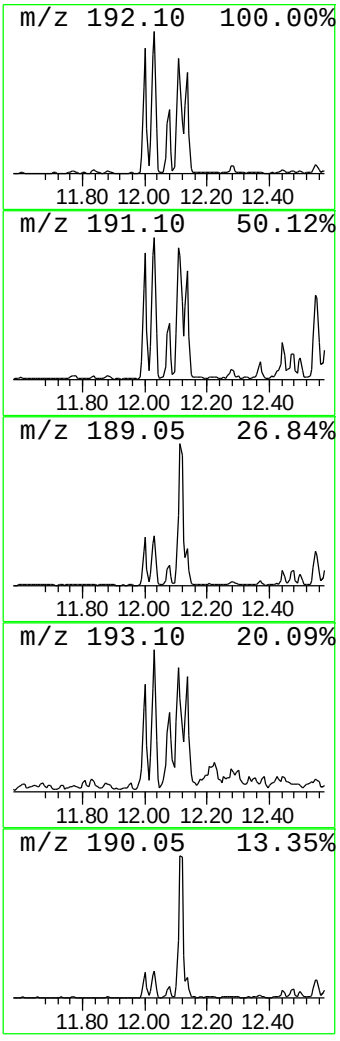
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	3.07 ng	269651	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





Library Search Compound Report

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Acq On : 11 Jun 2018 19:08
Operator : JU/SJ
Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

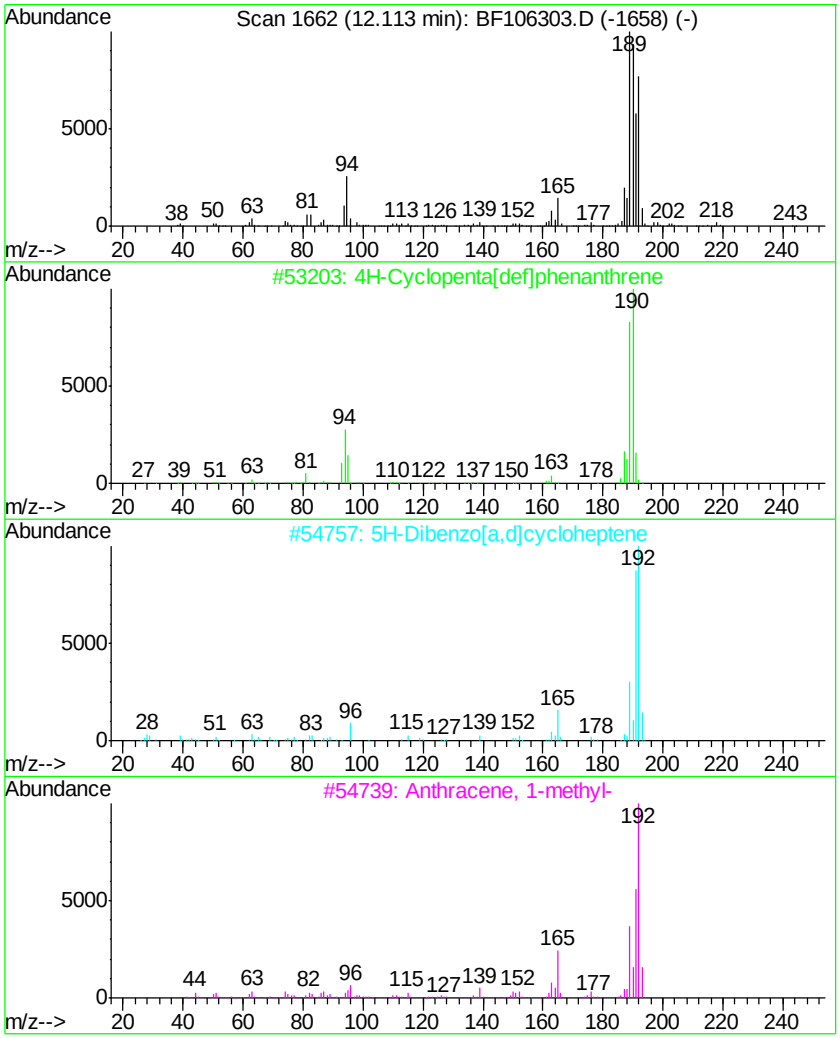
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

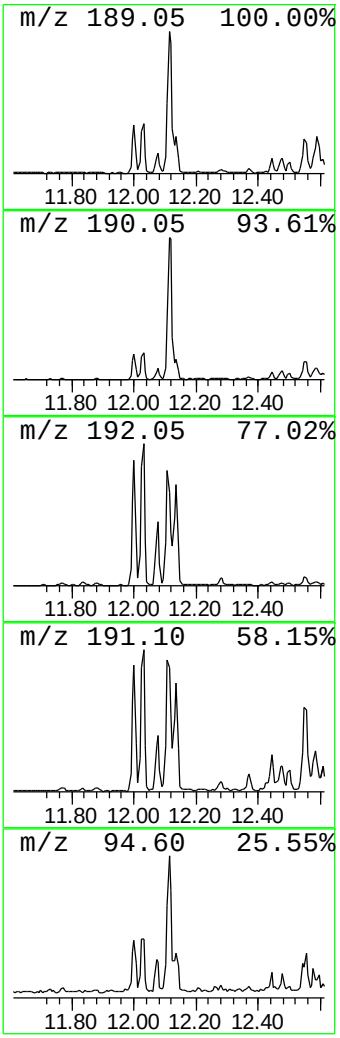
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	12.28 ng	1079740	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

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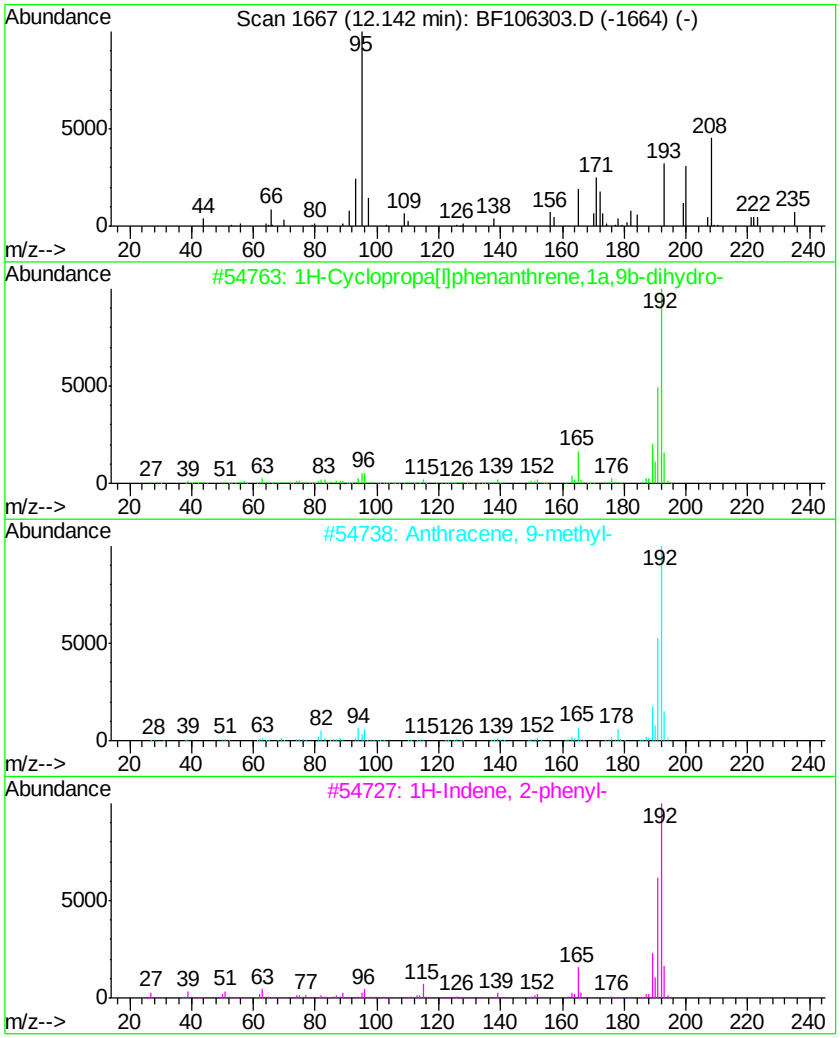
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

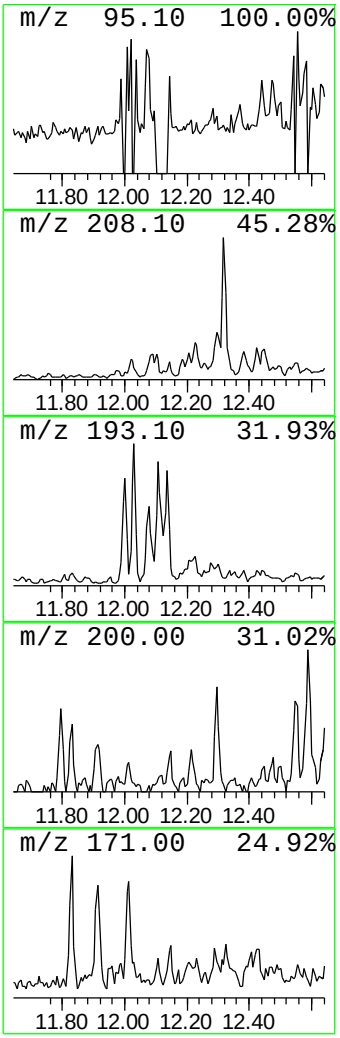
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.32 ng	380020	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Sample : J3247-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : OR-02-060718

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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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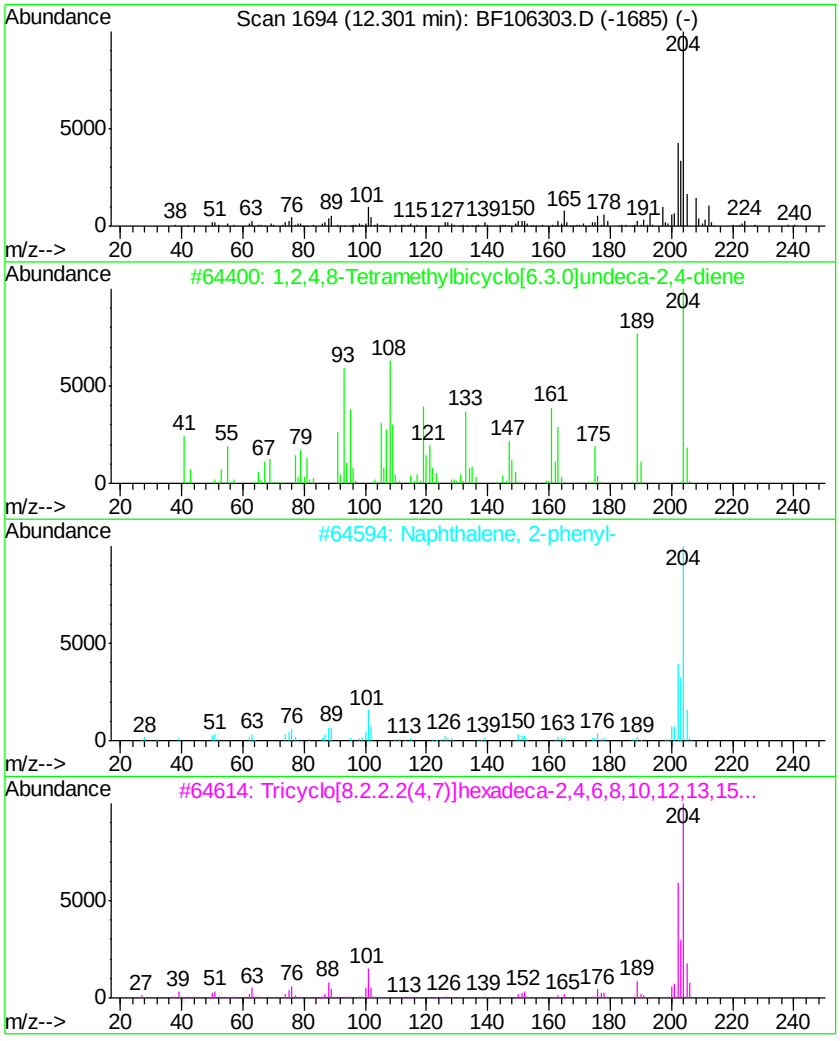
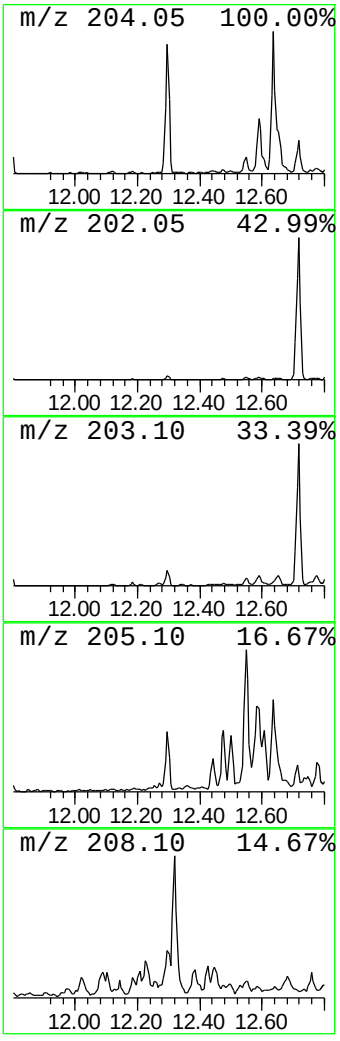
Peak Number 9 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	4.86 ng	427224	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	64
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64





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Misc :
ALS Vial : 10 Sample Multiplier: 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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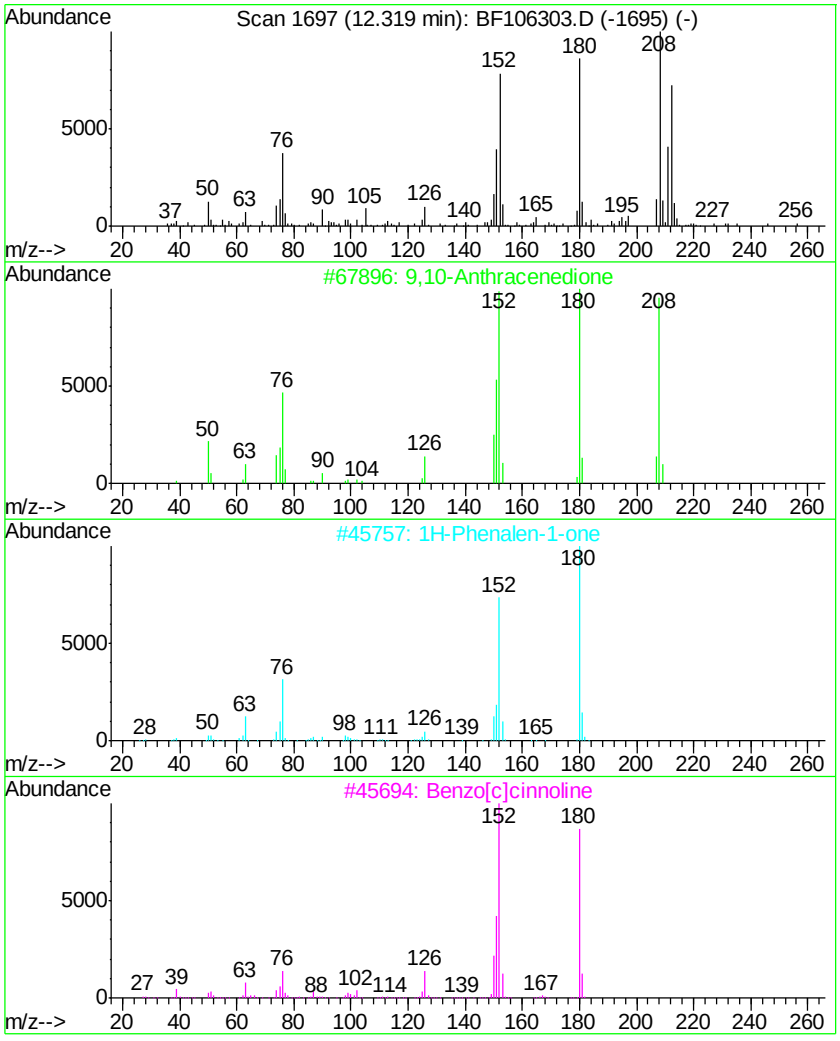
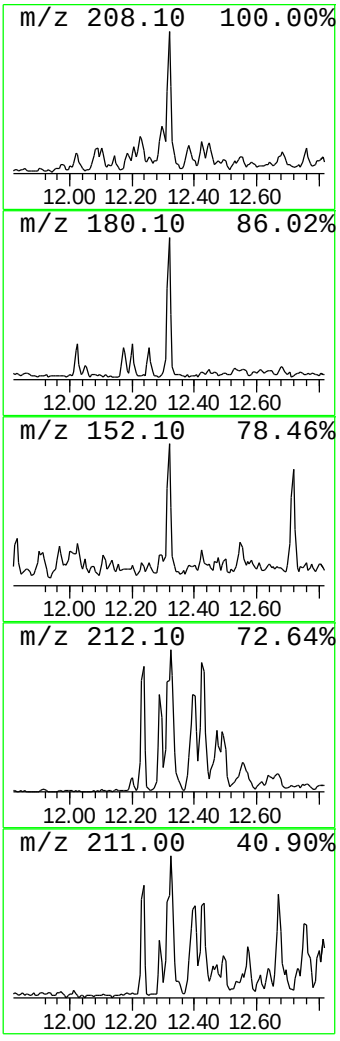
Peak Number 10 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	3.64 ng	319988	Phenanthrene-d10	11.50

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	46
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	41
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	41





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Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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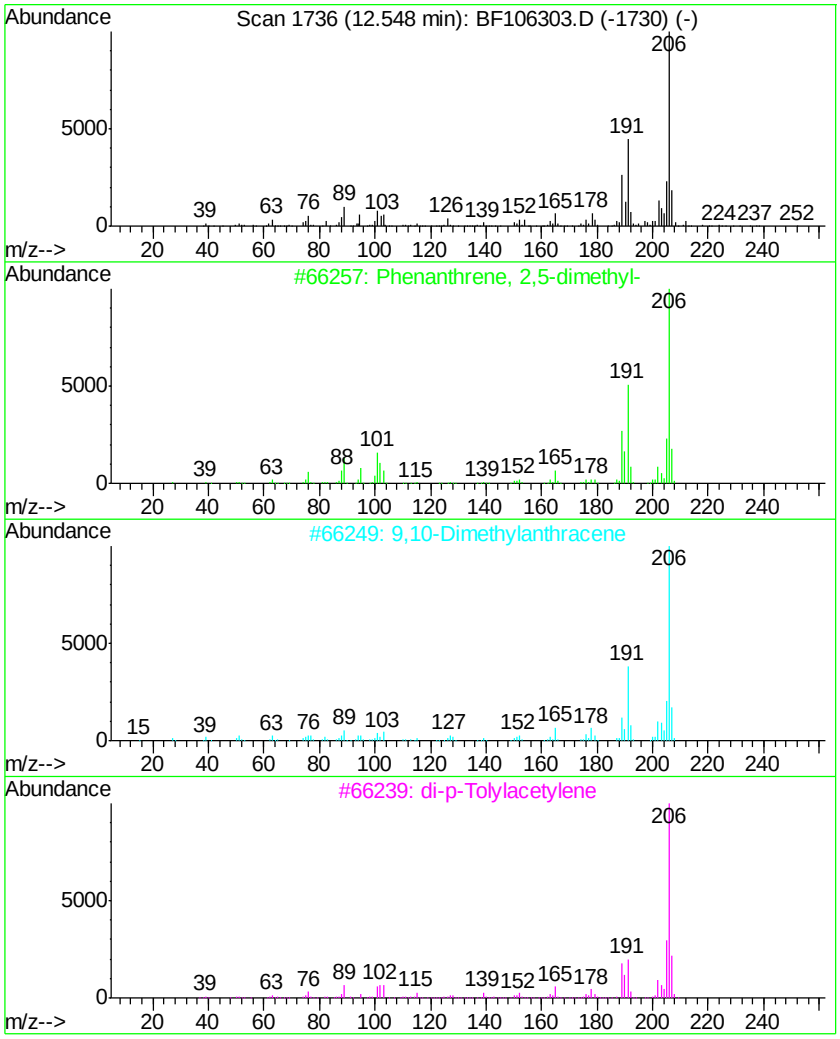
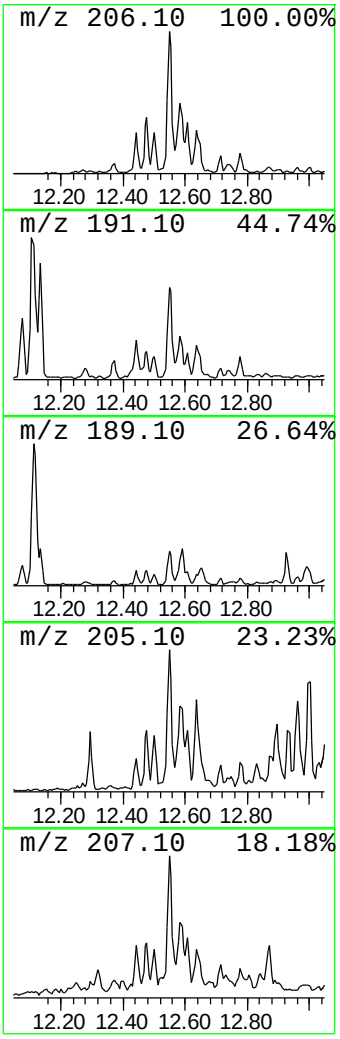
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	8.88 ng	780846	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





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Sample : J3247-01 2X
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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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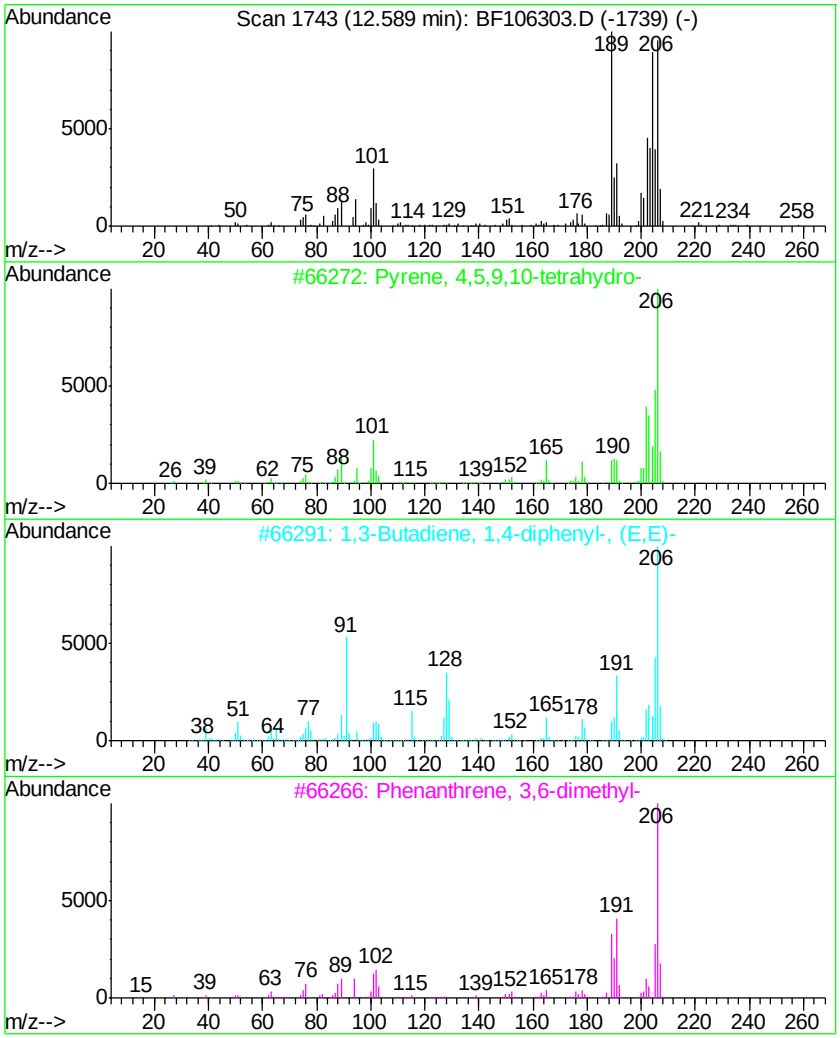
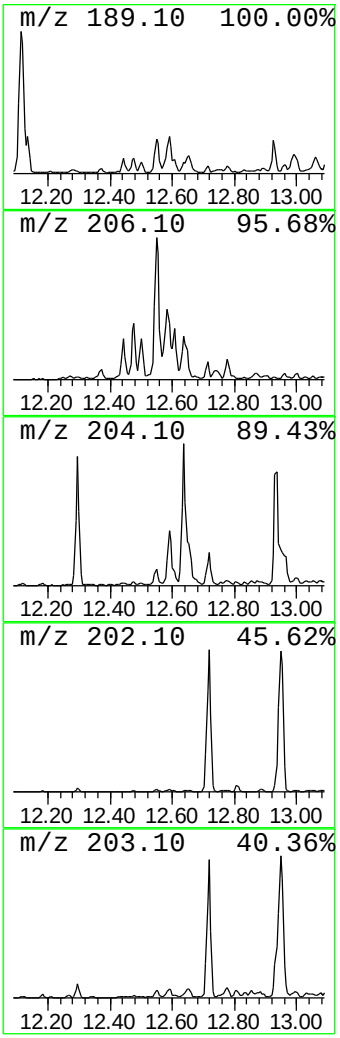
Peak Number 12 unknown12.59 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	4.34 ng	381756	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	42
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
5	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	35





Library Search Compound Report

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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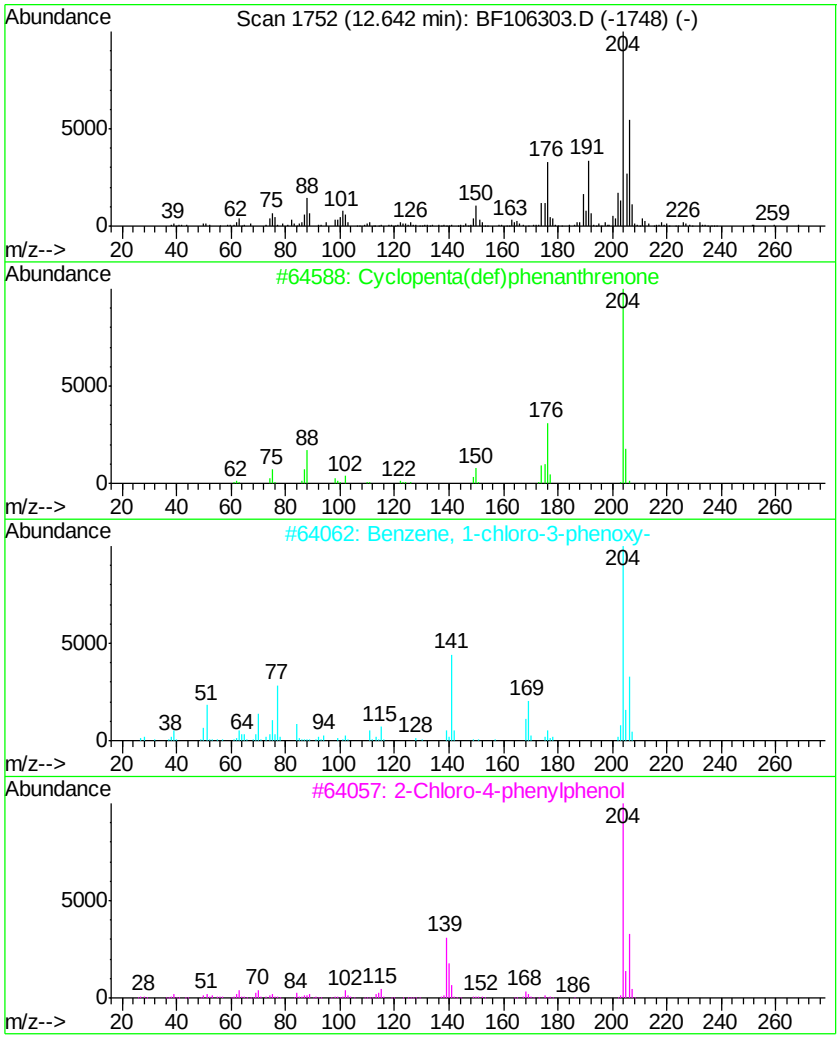
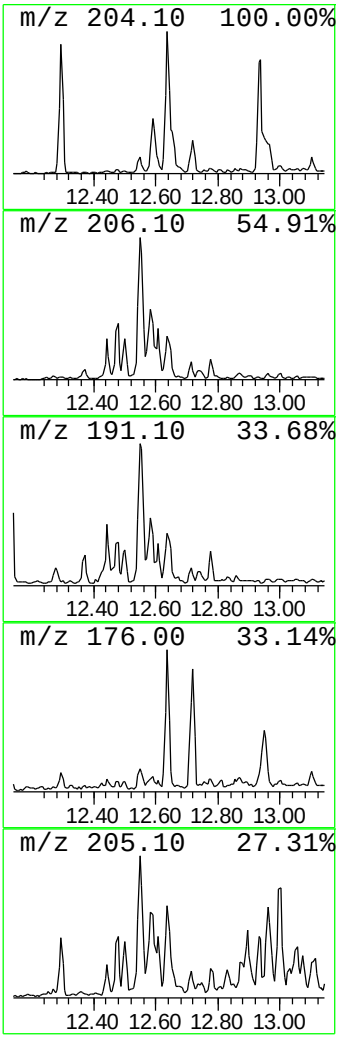
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	6.47 ng	569260	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
4	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

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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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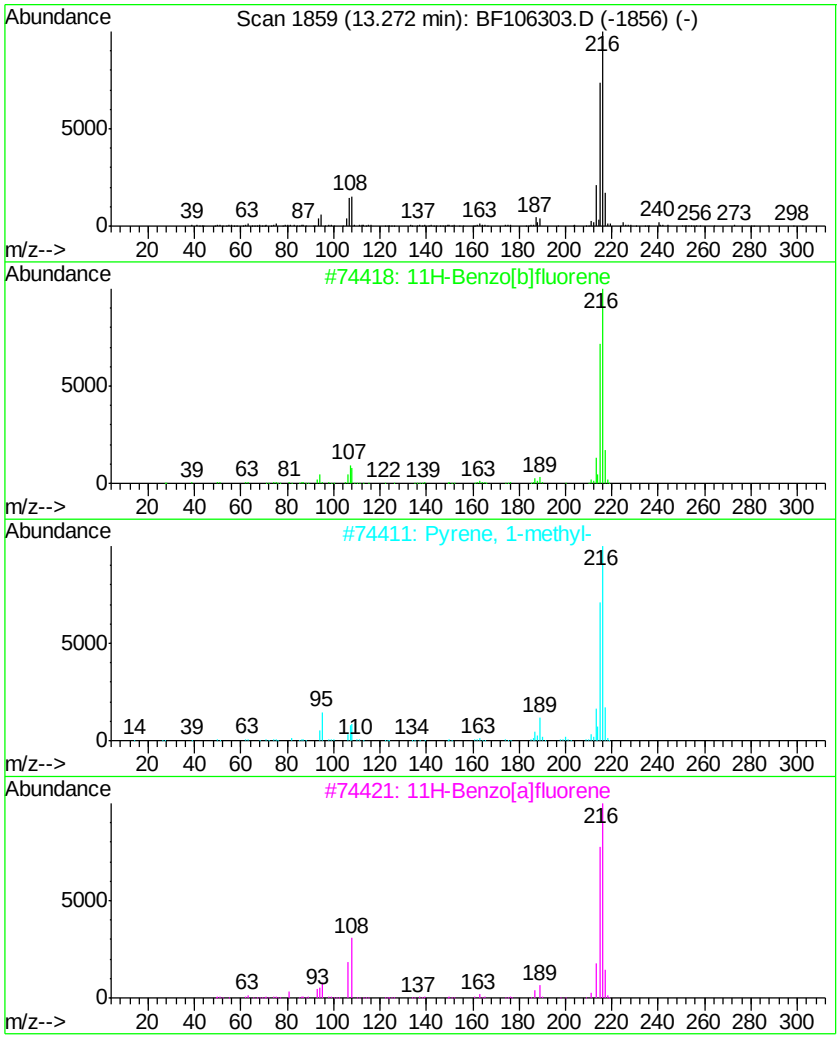
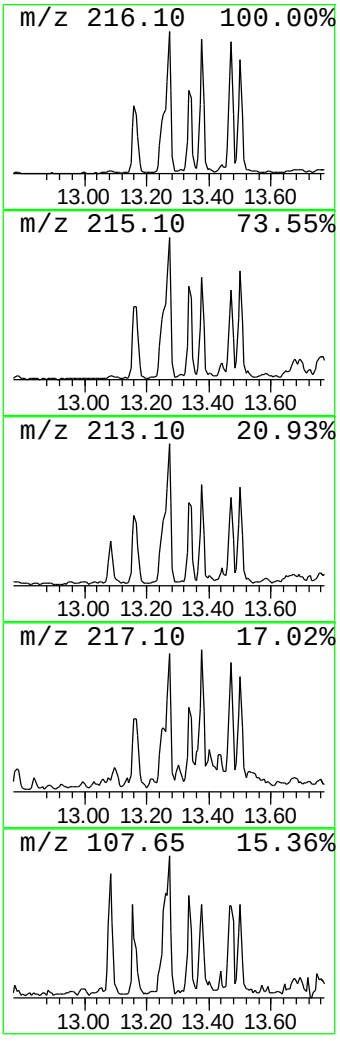
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	4.16 ng	813547	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

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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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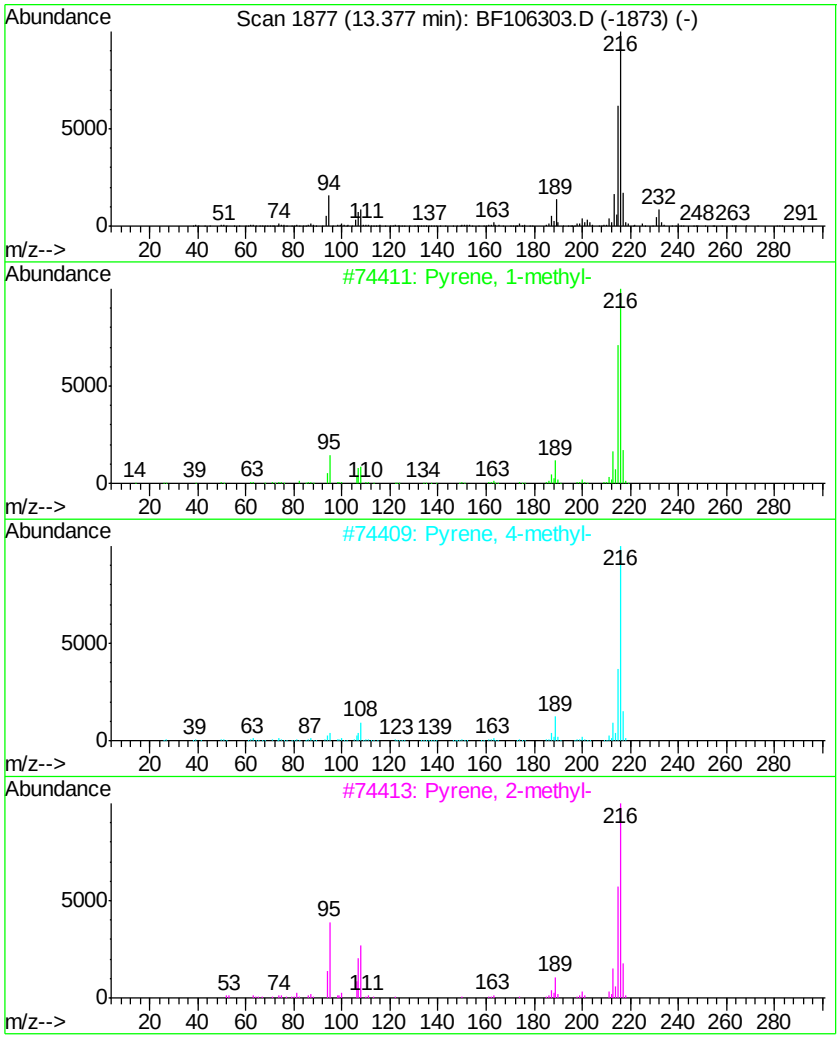
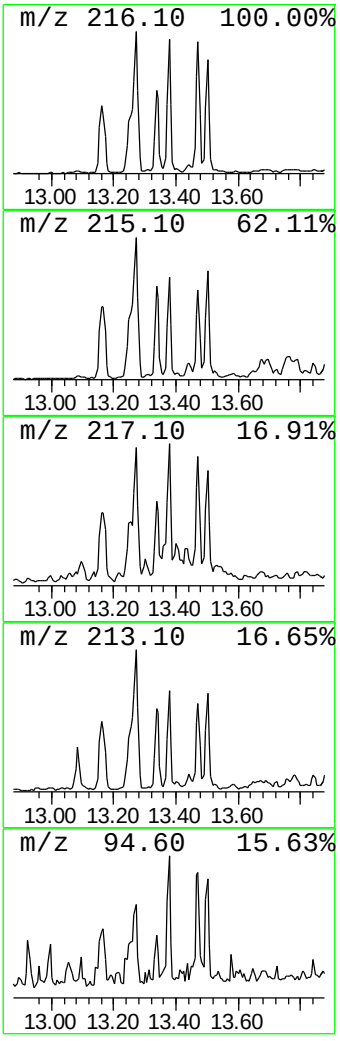
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	3.72 ng	727714	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Misc :
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Instrument : BNA_F
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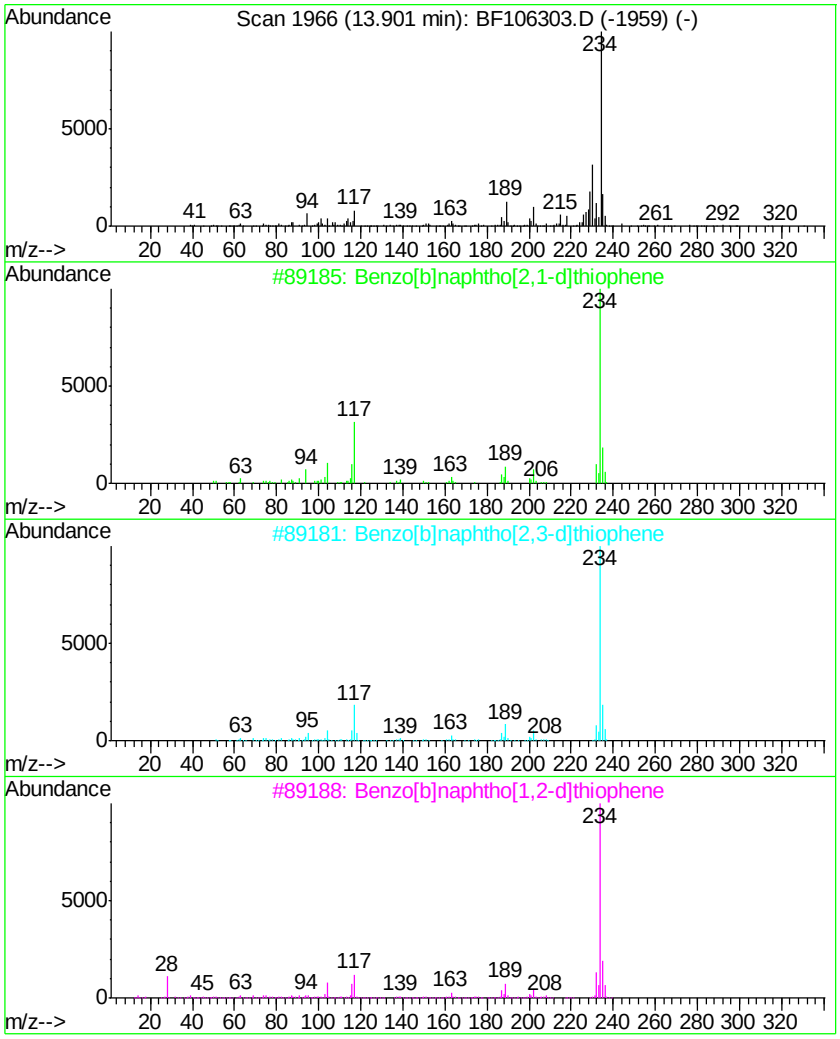
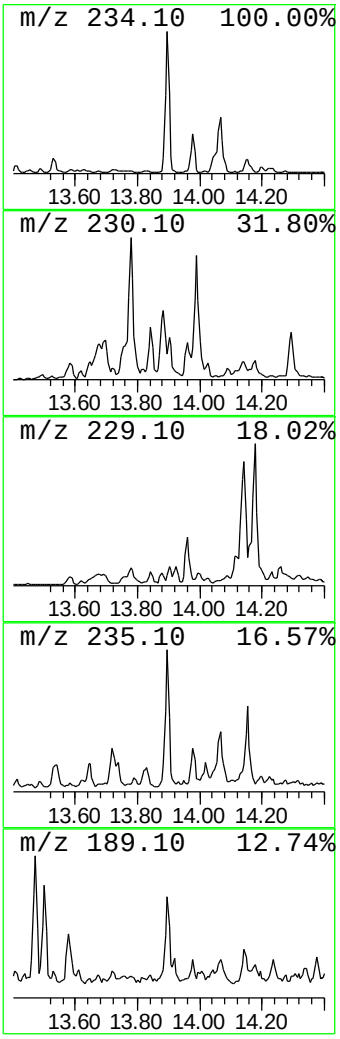
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	4.19 ng	819252	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	74
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	68





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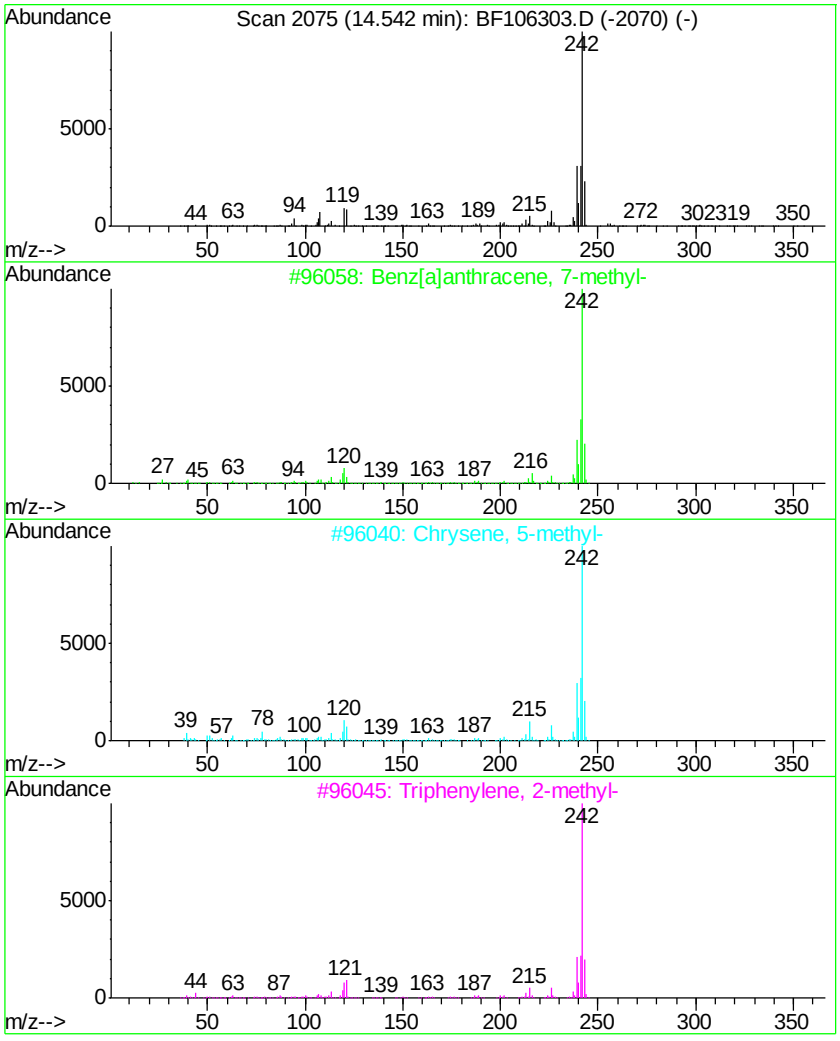
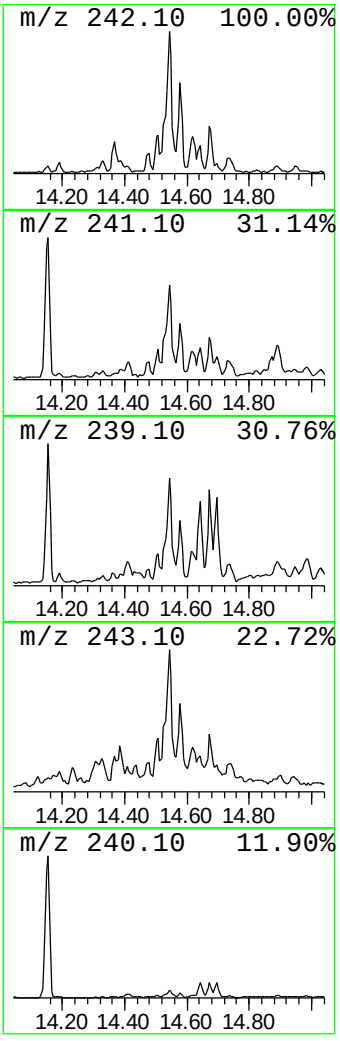
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	4.07 ng	795235	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	91
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
Data File : BF106303.D
Acq On : 11 Jun 2018 19:08
Operator : JU/SJ
Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

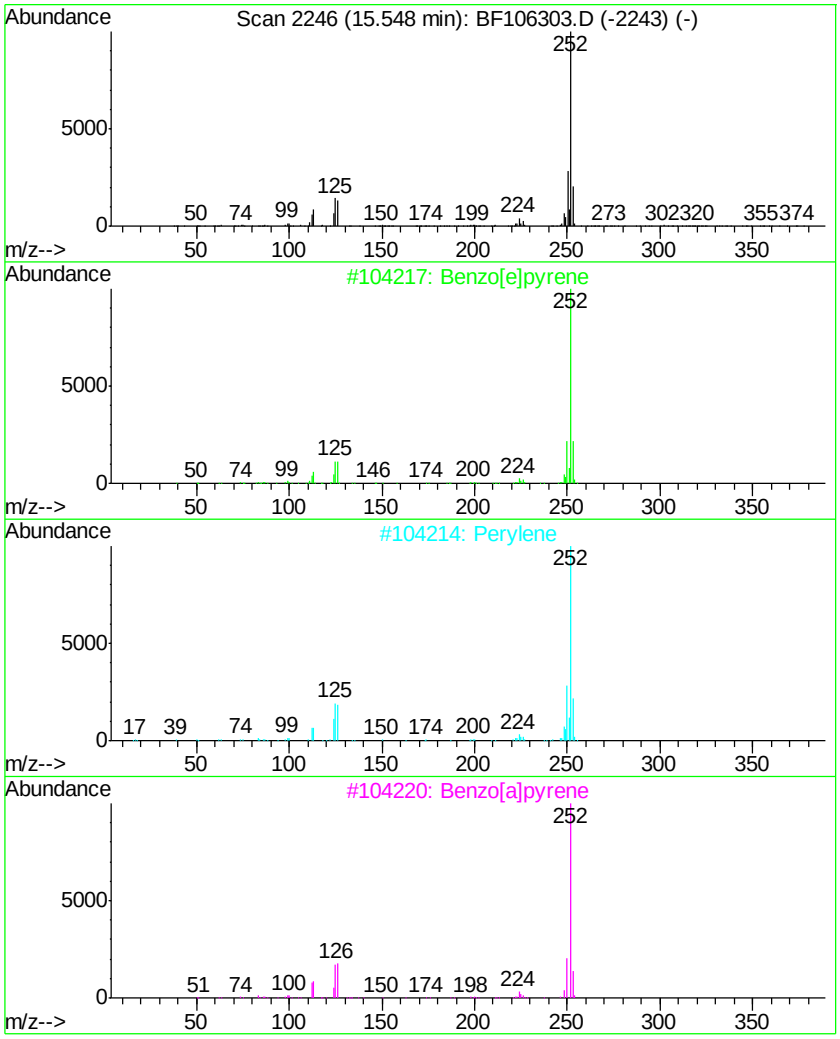
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

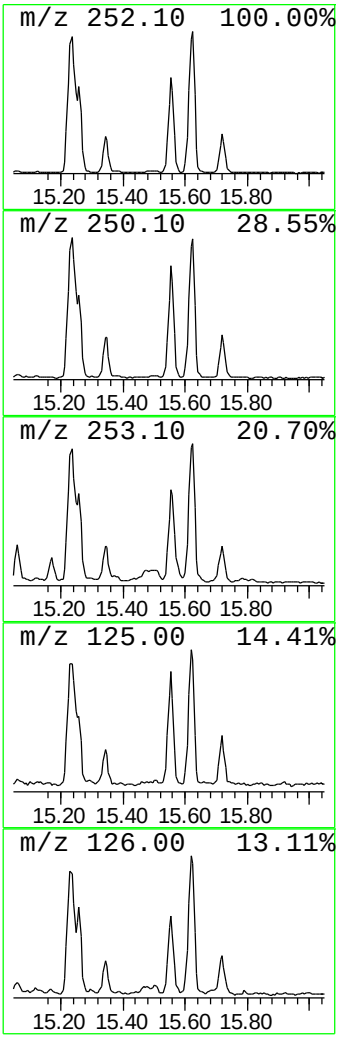
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	16.82 ng	1184540	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061118\
Data File : BF106303.D
Acq On : 11 Jun 2018 19:08
Operator : JU/SJ
Sample : J3247-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-060718

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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...	5.19	4.4	ng	285904	1	6.97	1310080	20.0
unknown6.74	6.74	47.2	ng	3090010	1	6.97	1310080	20.0
Phenanthrene, 2-m...	12.00	9.5	ng	831624	4	11.50	1758560	20.0
Anthracene, 2-met...	12.03	6.6	ng	579028	4	11.50	1758560	20.0
Anthracene, 9-met...	12.08	3.1	ng	269651	4	11.50	1758560	20.0
4H-Cyclopenta[def...	12.11	12.3	ng	1079740	4	11.50	1758560	20.0
1H-Cyclopropa[l]p...	12.14	4.3	ng	380020	4	11.50	1758560	20.0
1,2,4,8-Tetrameth...	12.30	4.9	ng	427224	4	11.50	1758560	20.0
9,10-Anthracenedione	12.32	3.6	ng	319988	4	11.50	1758560	20.0
Phenanthrene, 2,5...	12.55	8.9	ng	780846	4	11.50	1758560	20.0
unknown12.59	12.59	4.3	ng	381756	4	11.50	1758560	20.0
Cyclopenta(def)ph...	12.64	6.5	ng	569260	4	11.50	1758560	20.0
11H-Benzo[b]fluorene	13.27	4.2	ng	813547	5	14.15	3909610	20.0
Pyrene, 1-methyl-	13.38	3.7	ng	727714	5	14.15	3909610	20.0
Benzo[b]naphtho[2...	13.90	4.2	ng	819252	5	14.15	3909610	20.0
Benz[a]anthracene...	14.54	4.1	ng	795235	5	14.15	3909610	20.0
Benzo[e]pyrene	15.55	16.8	ng	1184540	6	15.69	1408820	20.0