LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106502.D
Acq On : 15 Jun 2018 19:53
Operator : JU/SJ
Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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	493	rBV	104129	106646	4.57%	0.339%
2	5.613	553	557	563	rBV	1116874	1182257	50.71%	3.759%
3	6.607	722	726	740	rBV	1284072	1211358	51.96%	3.851%
4	6.743	745	749	752	rBV	1459763	1174012	50.35%	3.732%
5	6.966	783	787	790	rBV	874055	711983	30.54%	2.264%
6	7.119	809	813	817	rBV	1148609	941002	40.36%	2.992%
7	7.525	878	882	885	rBV	843304	710003	30.45%	2.257%
8	7.672	904	907	909	rBV	63041	49113	2.11%	0.156%
9	8.248	1001	1005	1007	rBV	975282	813307	34.88%	2.586%
10	8.266	1007	1008	1011	rVB	58252	38054	1.63%	0.121%
11	9.319	1183	1187	1194	rBV	1400673	1141813	48.97%	3.630%
12	9.660	1241	1245	1247	rBV	26014	26206	1.12%	0.083%
13	9.707	1251	1253	1259	rVB	116478	117386	5.03%	0.373%
14	9.866	1274	1280	1286	rBV	89748	85618	3.67%	0.272%
15	9.919	1286	1289	1292	rVB	39099	30447	1.31%	0.097%
16	10.007	1300	1304	1307	rBV	823493	721454	30.94%	2.294%
17	10.036	1307	1309	1313	rVB	127278	100995	4.33%	0.321%
18	10.207	1334	1338	1341	rVB2	51390	44262	1.90%	0.141%
19	10.419	1368	1374	1377	rVB2	46459	47842	2.05%	0.152%
20	10.554	1394	1397	1403	rVB	103895	93550	4.01%	0.297%
21	10.619	1403	1408	1409	rBV	34612	35518	1.52%	0.113%
22	10.795	1434	1438	1442	rBV	691233	577467	24.77%	1.836%
23	10.895	1452	1455	1456	rBV	40627	39037	1.67%	0.124%
24	11.101	1483	1490	1493	rBV4	33626	56988	2.44%	0.181%
25	11.254	1513	1516	1520	rVB2	22421	23529	1.01%	0.075%
26	11.301	1521	1524	1526	rVB	42827	40079	1.72%	0.127%
27	11.342	1528	1531	1534	rVV2	42078	44135	1.89%	0.140%
28	11.395	1538	1540	1543	rVB	59043	47664	2.04%	0.152%
29	11.495	1553	1557	1559	rBV	796502	721570	30.95%	2.294%
30	11.519	1559	1561	1565	rVV	1009646	922228	39.56%	2.932%
31	11.572	1567	1570	1573	rVV	353557	286099	12.27%	0.910%
32	11.607	1573	1576	1577	rVV	35653	34721	1.49%	0.110%
33	11.725	1589	1596	1602	rBV2	123850	155011	6.65%	0.493%
34	11.789	1605	1607	1611	rVB2	37427	31057	1.33%	0.099%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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	11.830	1611	1614	1617	rBV3	28530	34376	1.47%	0.109%
36	11.977	1636	1639	1640	rBV	43263	36719	1.57%	0.117%
37	11.995	1640	1642	1645	rVV	123540	114720	4.92%	0.365%
38	12.025	1645	1647	1651	rVV	198818	157272	6.75%	0.500%
39	12.072	1652	1655	1658	rVB	86315	76180	3.27%	0.242%
40	12.113	1658	1662	1664	rBV	293225	298017	12.78%	0.947%
41	12.130	1664	1665	1669	rVB	94091	68050	2.92%	0.216%
42	12.189	1670	1675	1679	rBV3	185062	213038	9.14%	0.677%
43	12.295	1689	1693	1695	rBV	113252	106699	4.58%	0.339%
44	12.319	1695	1697	1700	rVB2	100944	81808	3.51%	0.260%
45	12.442	1716	1718	1721	rBV	40724	30032	1.29%	0.095%
46	12.495	1725	1727	1729	rVB	32222	24560	1.05%	0.078%
47	12.548	1733	1736	1740	rBV2	90919	118446	5.08%	0.377%
48	12.589	1741	1743	1745	rVV2	68479	64368	2.76%	0.205%
49	12.636	1748	1751	1755	rVV	101683	103668	4.45%	0.330%
50	12.719	1761	1765	1768	rBV	2047817	1847045	79.22%	5.872%
51	12.754	1768	1771	1773	rBV2	42706	36944	1.58%	0.117%
52	12.777	1773	1775	1777	rVB	48583	38060	1.63%	0.121%
53	12.807	1777	1780	1782	rVB	59403	50378	2.16%	0.160%
54	12.842	1782	1786	1787	rBV3	35711	45685	1.96%	0.145%
55	12.866	1788	1790	1792	rVV	45277	36881	1.58%	0.117%
56	12.948	1797	1804	1809	rBV2	1920505	2185705	93.75%	6.949%
57	12.989	1809	1811	1816	rVB2	107023	103613	4.44%	0.329%
58	13.083	1820	1827	1829	rBV	1213304	1306305	56.03%	4.153%
59	13.154	1835	1839	1844	rBV2	122312	213172	9.14%	0.678%
60	13.195	1844	1846	1848	rVV	43971	33894	1.45%	0.108%
61	13.248	1851	1855	1856	rVV3	97357	123597	5.30%	0.393%
62	13.272	1856	1859	1862	rVV	353246	316966	13.59%	1.008%
63	13.336	1867	1870	1873	rVV	260968	220874	9.47%	0.702%
64	13.377	1873	1877	1879	rVV2	198405	214947	9.22%	0.683%
65	13.401	1879	1881	1884	rVB	100263	83787	3.59%	0.266%
66	13.430	1884	1886	1888	rBV	35818	36699	1.57%	0.117%
67	13.472	1890	1893	1895	rVV2	84787	96264	4.13%	0.306%
68	13.513	1896	1900	1904	rVB2	176638	237109	10.17%	0.754%
69	13.554	1904	1907	1910	rBV3	124198	118326	5.08%	0.376%
70	13.777	1943	1945	1951	rVB	149779	150416	6.45%	0.478%
71	13.895	1961	1965	1968	rBV3	176929	232492	9.97%	0.739%

LSC Area Percent Report

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Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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	13.924	1968	1970	1972	rVV	202477	169470	7.27%	0.539%
73	13.948	1972	1974	1979	rVV2	189904	332489	14.26%	1.057%
74	13.989	1979	1981	1985	rVB	183804	160128	6.87%	0.509%
75	14.113	1999	2002	2003	rBV	103233	94786	4.07%	0.301%
76	14.148	2003	2008	2011	rVV2	1486202	2331502	100.00%	7.412%
77	14.177	2011	2013	2020	rVB	1149584	958601	41.12%	3.048%
78	14.260	2024	2027	2031	rVV	216139	218900	9.39%	0.696%
79	14.295	2031	2033	2037	rVV4	86377	95955	4.12%	0.305%
80	14.342	2039	2041	2043	rVB	91606	63430	2.72%	0.202%
81	14.377	2043	2047	2050	rBV2	109324	146485	6.28%	0.466%
82	14.542	2072	2075	2078	rVB	183641	168888	7.24%	0.537%
83	14.577	2078	2081	2084	rVB	102903	89164	3.82%	0.283%
84	14.671	2094	2097	2099	rBV	124036	105002	4.50%	0.334%
85	14.695	2099	2101	2104	rVB2	140155	109102	4.68%	0.347%
86	15.236	2188	2193	2196	rBV	736735	1284876	55.11%	4.085%
87	15.348	2209	2212	2215	rVB	146422	151512	6.50%	0.482%
88	15.554	2243	2247	2253	rVB	473208	635602	27.26%	2.021%
89	15.618	2254	2258	2265	rVV	602516	839521	36.01%	2.669%
90	15.689	2265	2270	2273	rVV	525858	715671	30.70%	2.275%
91	15.718	2273	2275	2283	rVB	199015	257247	11.03%	0.818%
92	17.248	2530	2535	2544	rVB2	231987	488314	20.94%	1.552%
93	17.724	2610	2616	2630	rVB	178979	417780	17.92%	1.328%

Sum of corrected areas: 31453948

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
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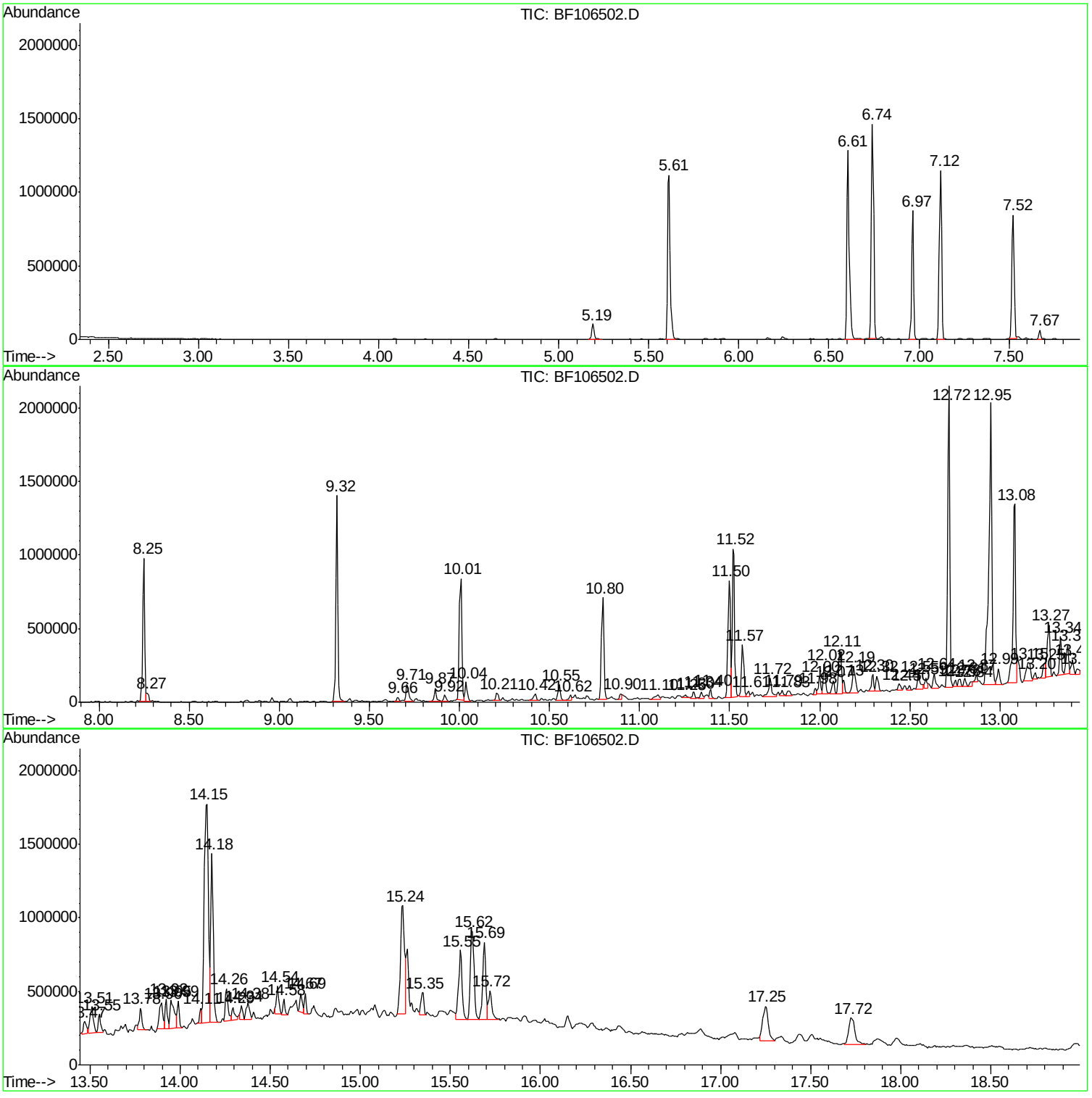
Acq On : 15 Jun 2018 19:53
Operator : JU/SJ
Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-4

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\BF061518\
Data File : BF106502.D
Acq On : 15 Jun 2018 19:53
Operator : JU/SJ
Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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

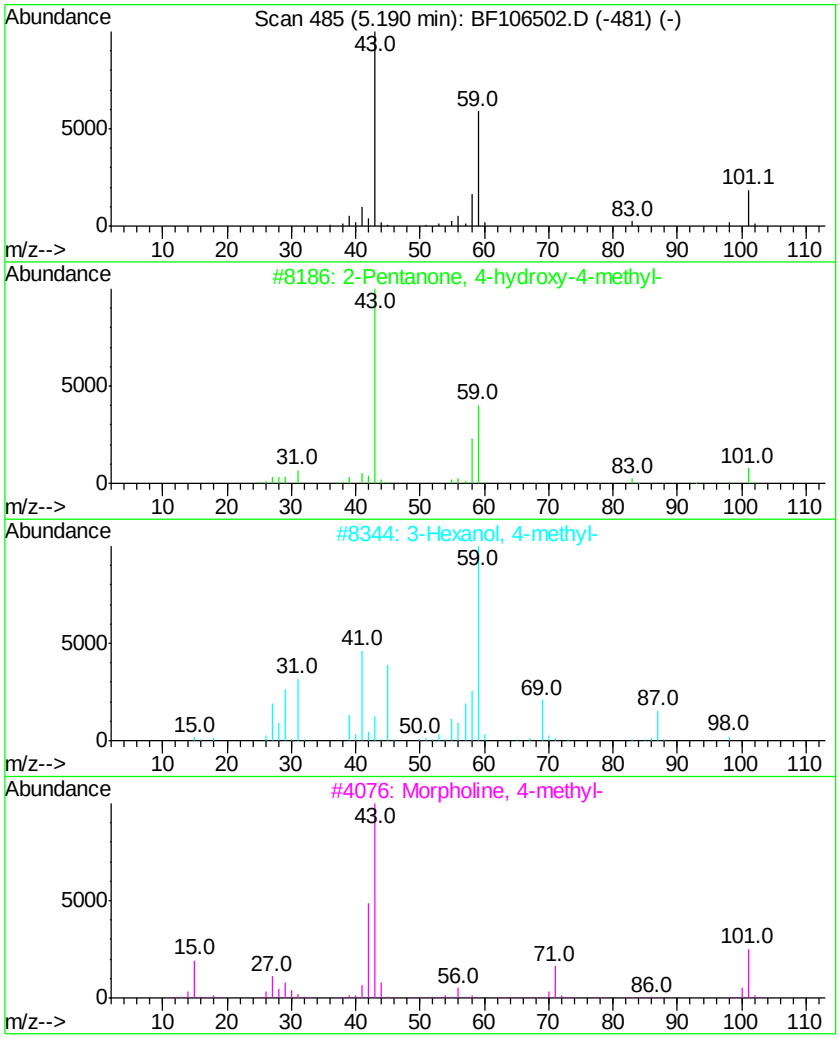
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

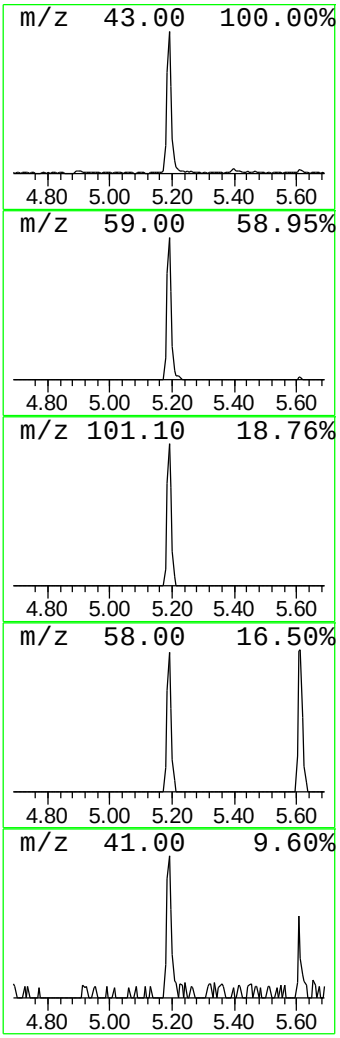
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	3.00 ng	106646	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	45
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
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\BF061518\
Data File : BF106502.D
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Operator : JU/SJ
Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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

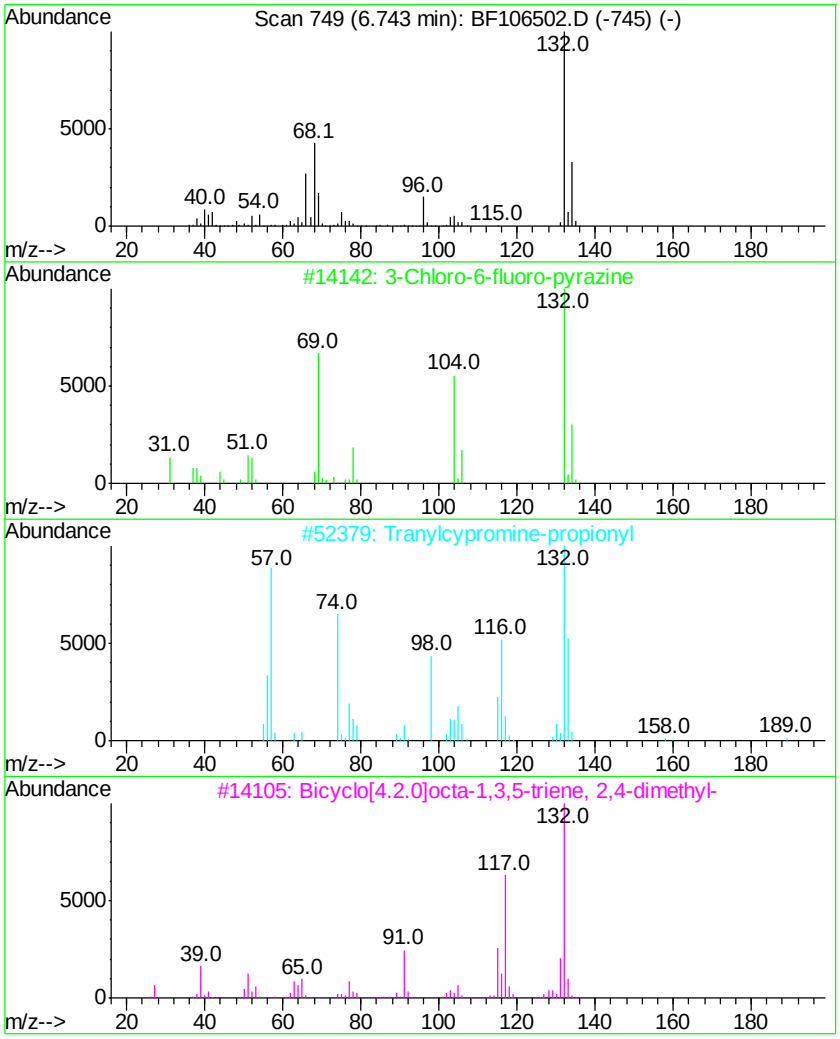
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

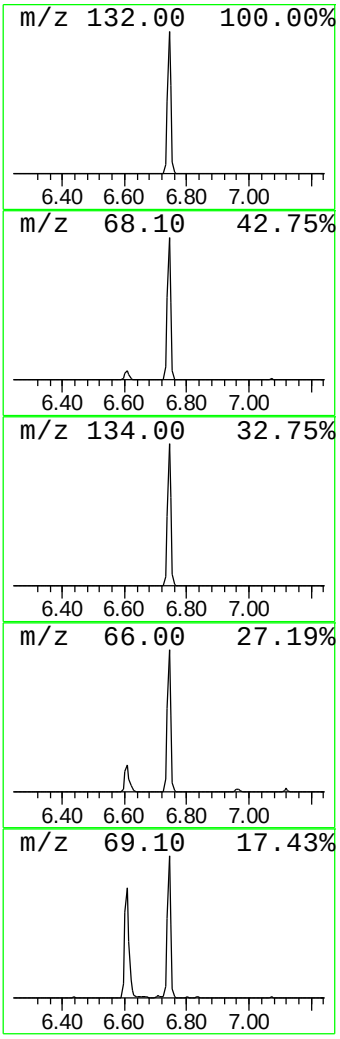
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	32.98 ng	1174010	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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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

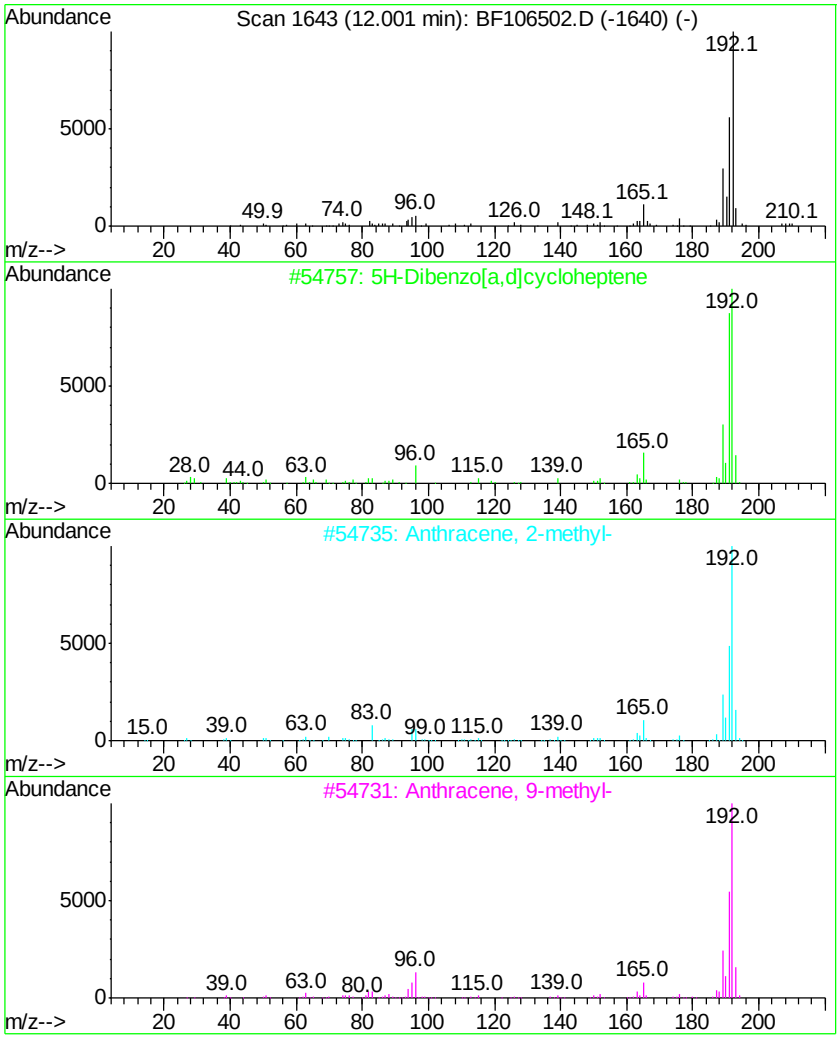
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

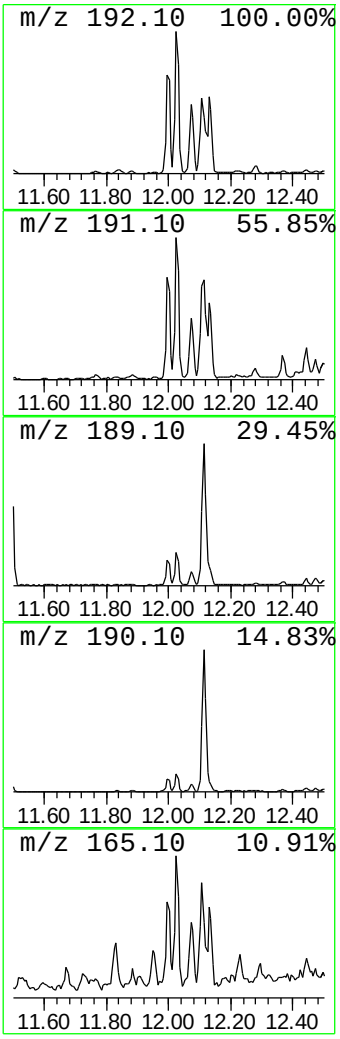
****

Peak Number 4 5H-Dibenzo[a,d]cycloheptene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.18 ng	114720	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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

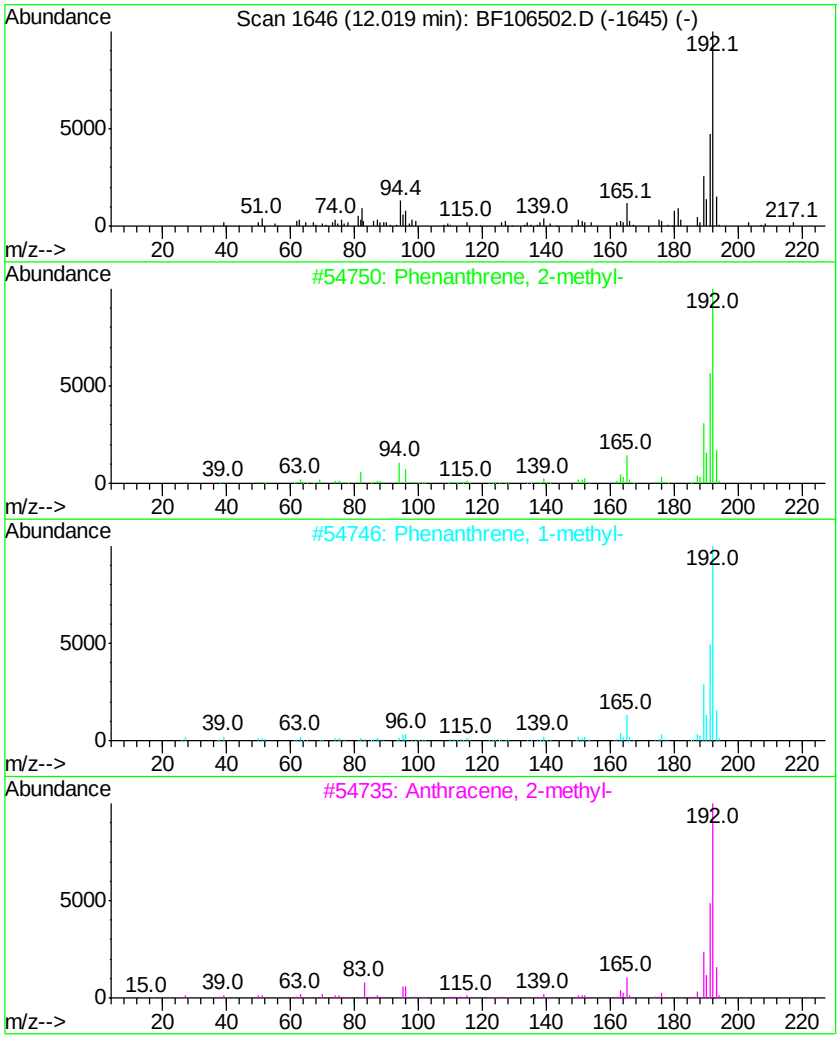
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

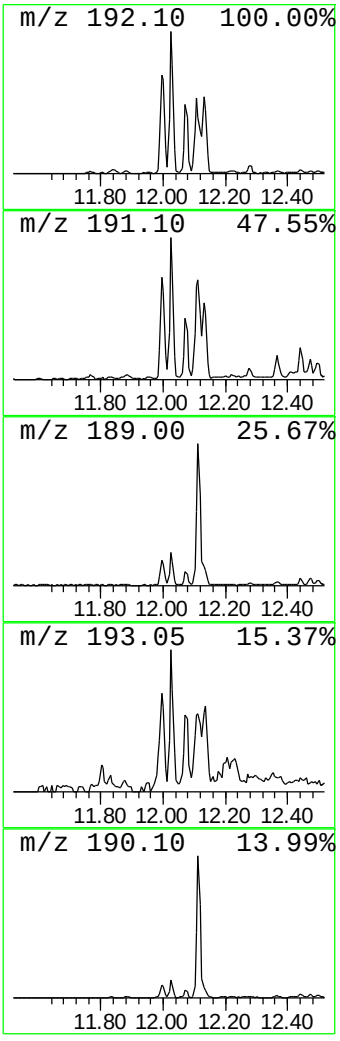
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.36 ng	157272	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106502.D
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Operator : JU/SJ
Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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

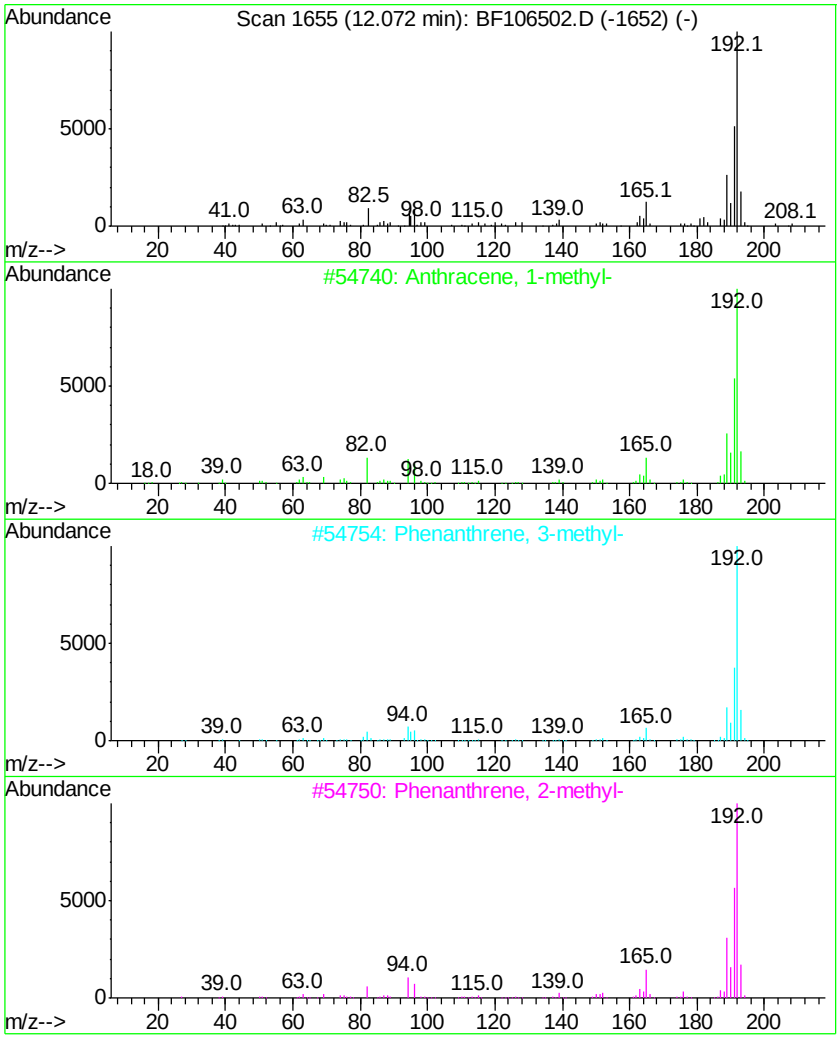
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

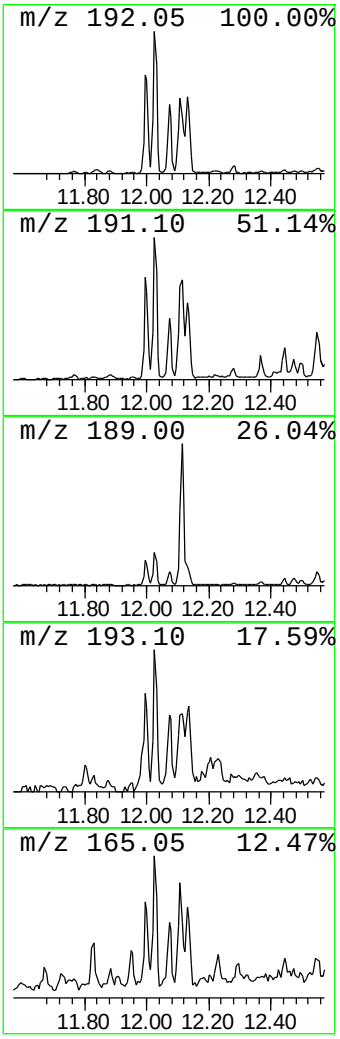
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.11 ng	76180	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Data File : BF106502.D
Acq On : 15 Jun 2018 19:53
Operator : JU/SJ
Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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

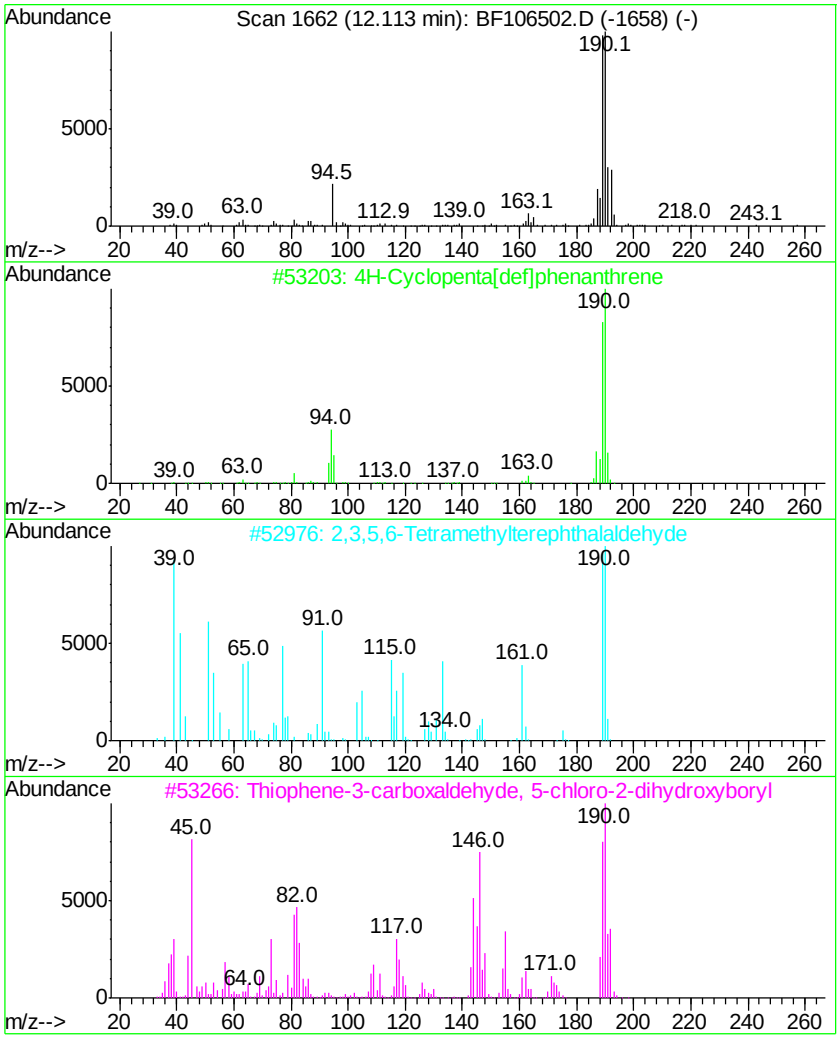
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

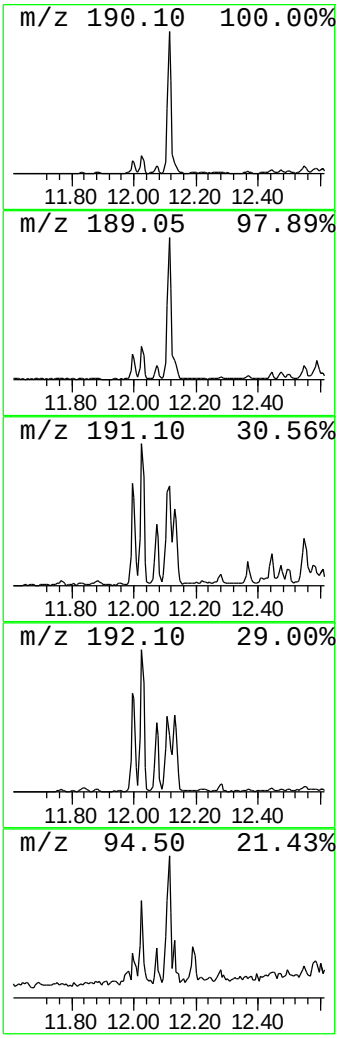
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	8.26 ng	298017	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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Acq On : 15 Jun 2018 19:53
Operator : JU/SJ
Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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

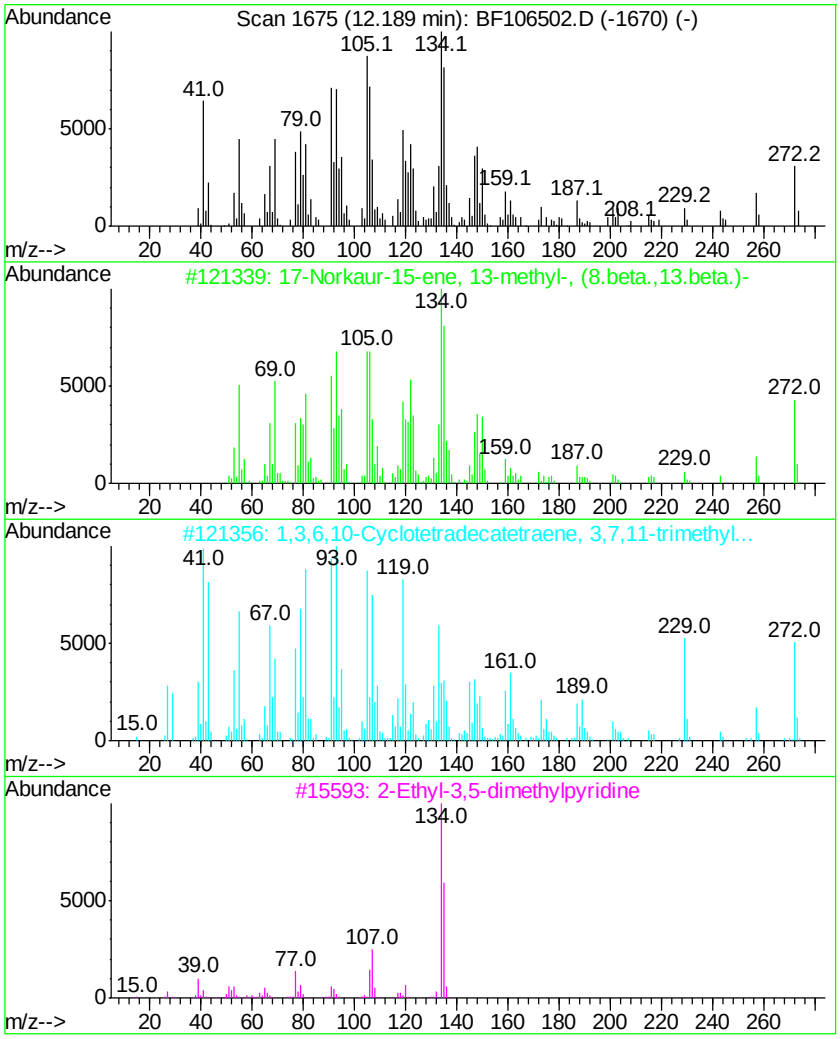
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

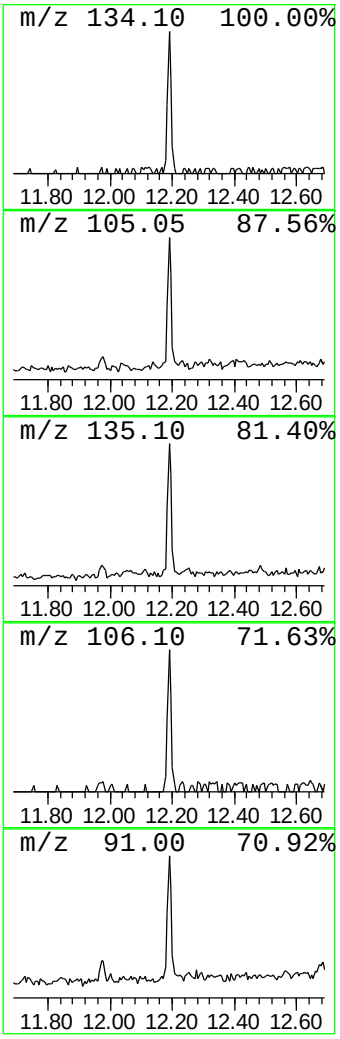
****

Peak Number 8 17-Norkaur-15-ene, 13-methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	5.90 ng	213038	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Norkaur-15-ene, 13-methyl-, (...	272	C20H32	003564-54-3	99
2	1,3,6,10-Cyclotetradecatetraene,...	272	C20H32	001898-13-1	42
3	2-Ethyl-3,5-dimethylpyridine	135	C9H13N	001123-96-2	35
4	6-Octadecynenitrile	261	C18H31N	056600-19-2	30
5	3a,6-Methano-3aH-indene, 2,3,4,5...	134	C10H14	098640-10-9	30





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Acq On : 15 Jun 2018 19:53
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Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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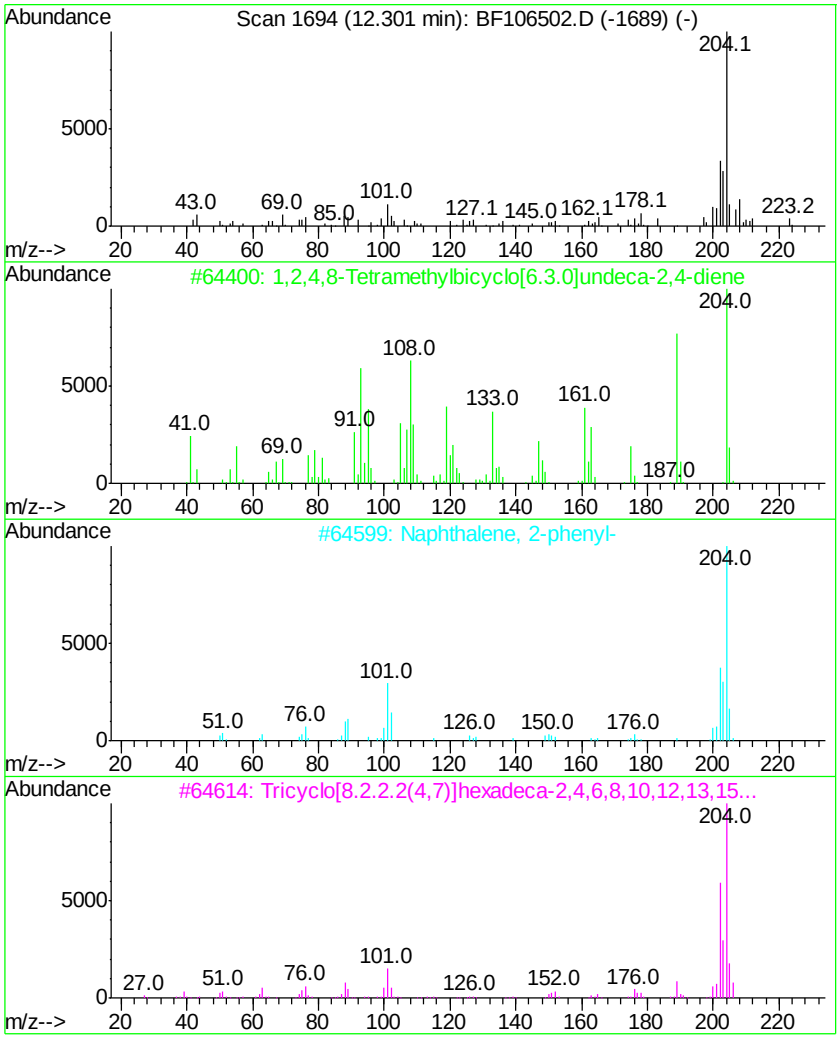
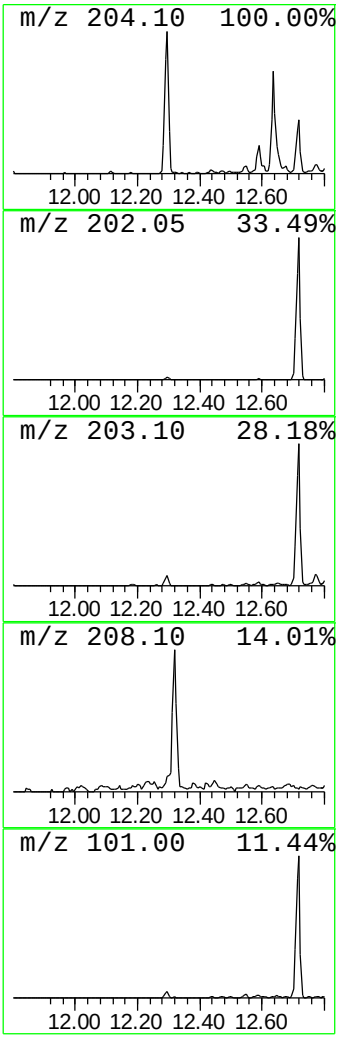
Peak Number 9 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.96 ng	106699	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	83
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	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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TIC Library : C:\DATABASE\NIST11.L
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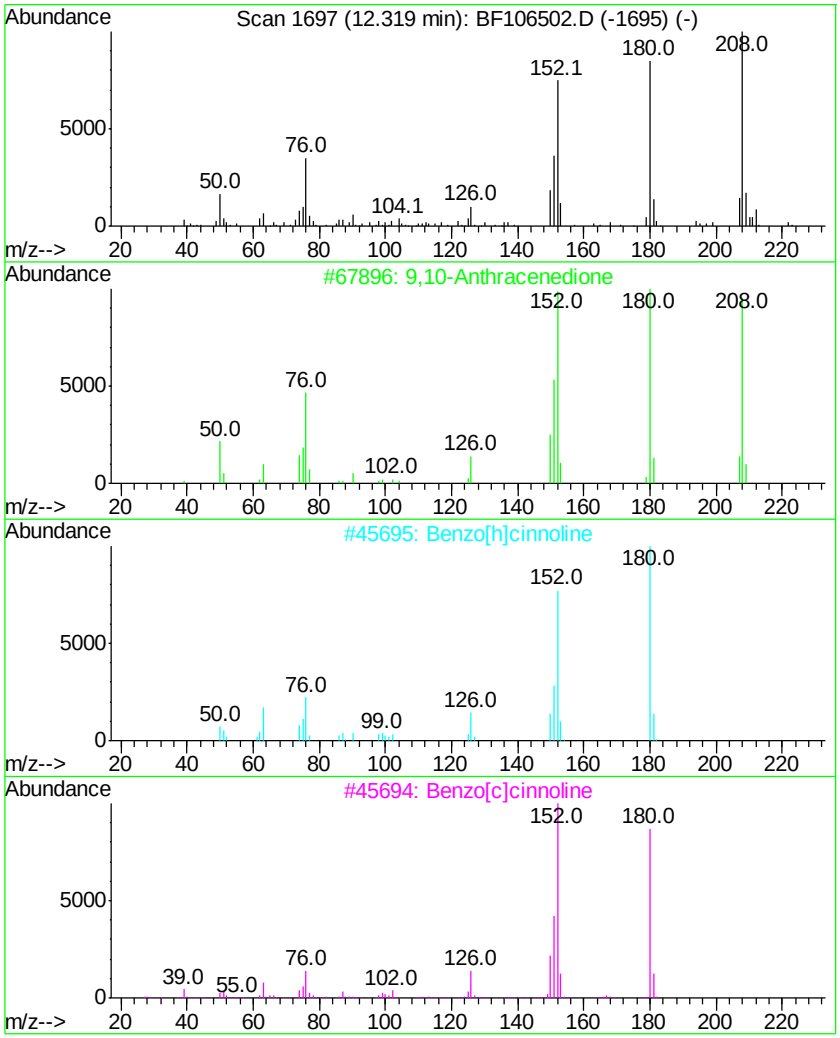
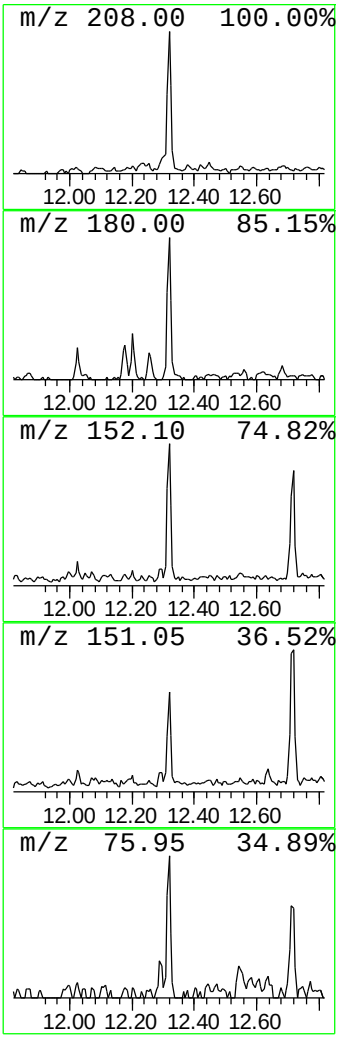
Peak Number 10 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	2.27 ng	81808	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





Library Search Compound Report

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Data File : BF106502.D
Acq On : 15 Jun 2018 19:53
Operator : JU/SJ
Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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

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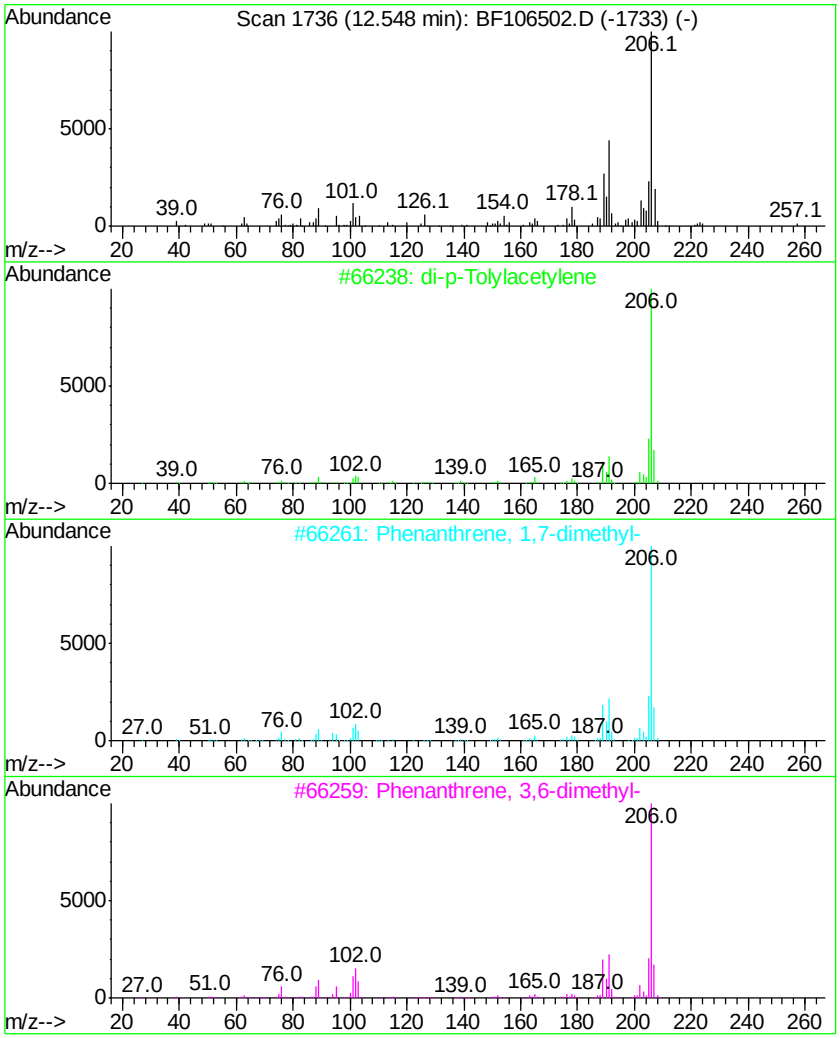
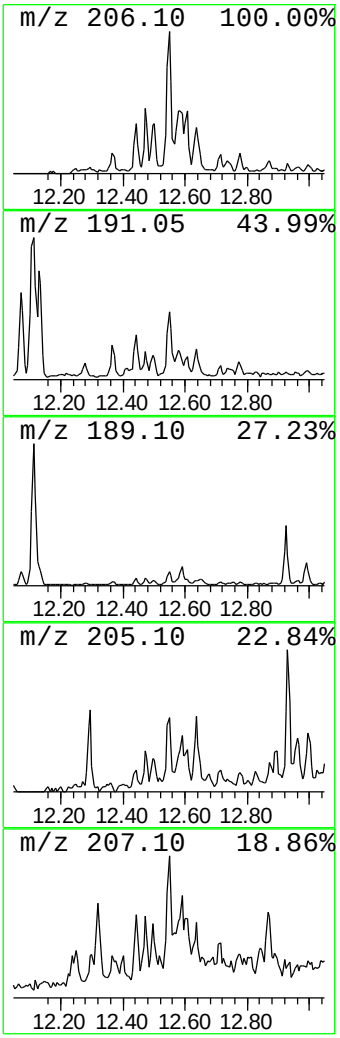
Peak Number 11 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	3.28 ng	118446	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93





Library Search Compound Report

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Data File : BF106502.D
Acq On : 15 Jun 2018 19:53
Operator : JU/SJ
Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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

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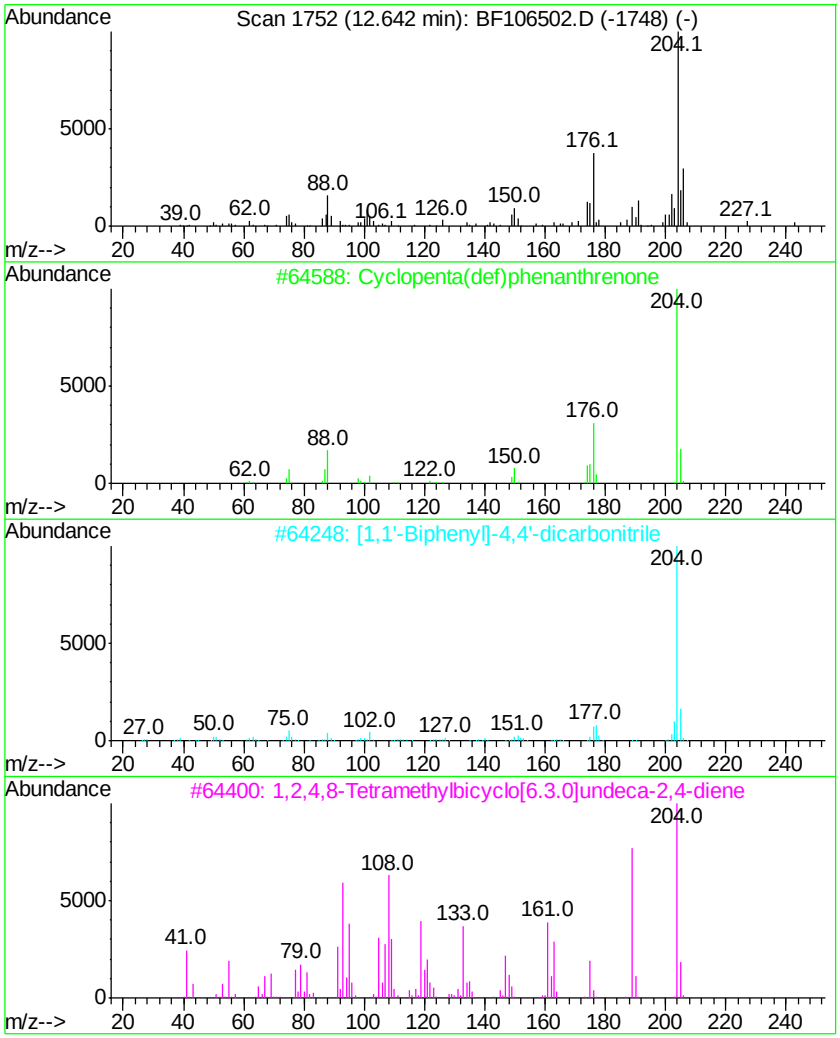
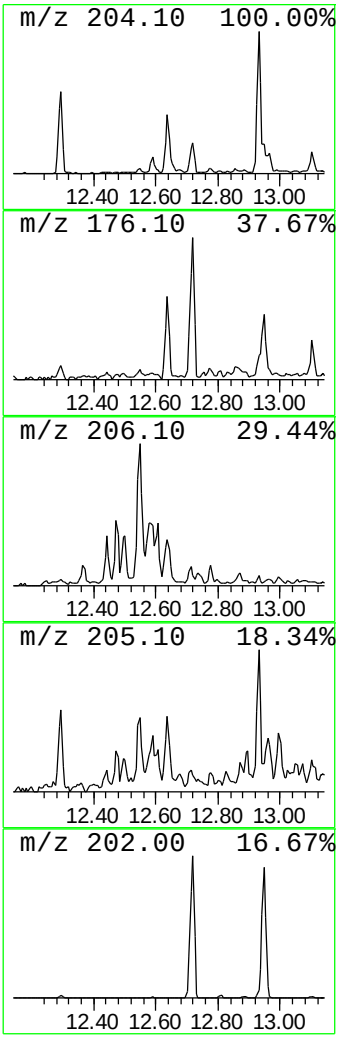
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	2.87 ng	103668	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Data File : BF106502.D
Acq On : 15 Jun 2018 19:53
Operator : JU/SJ
Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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

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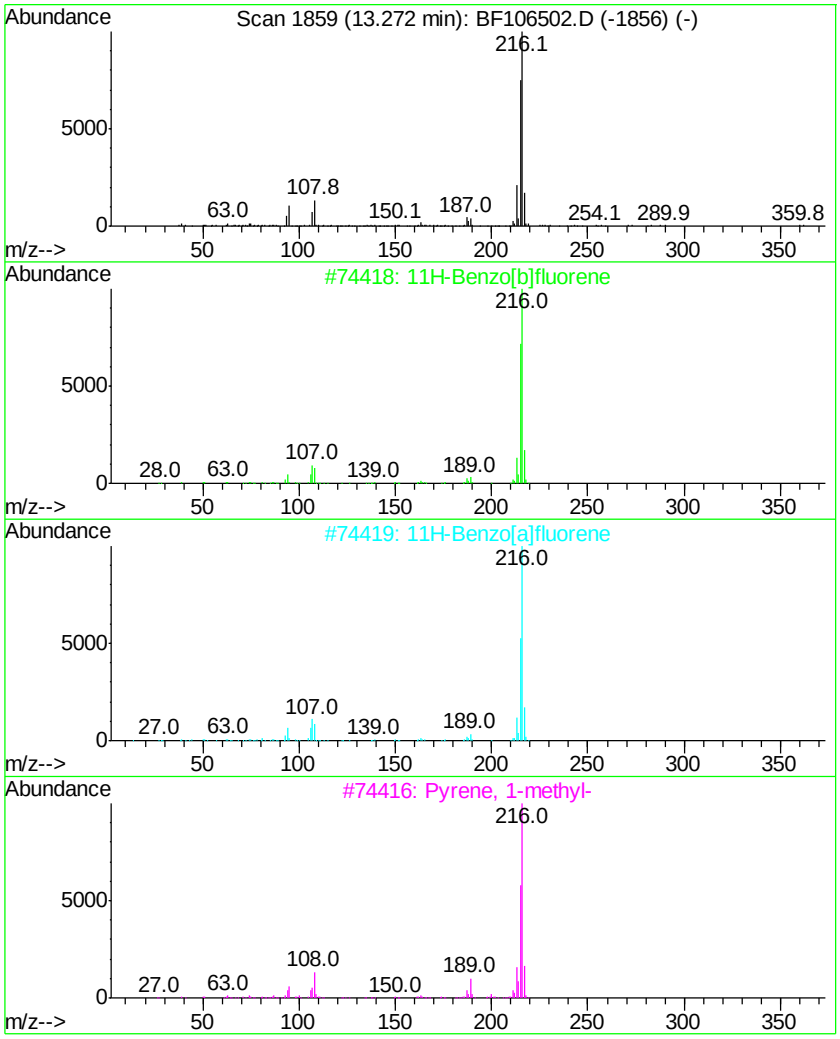
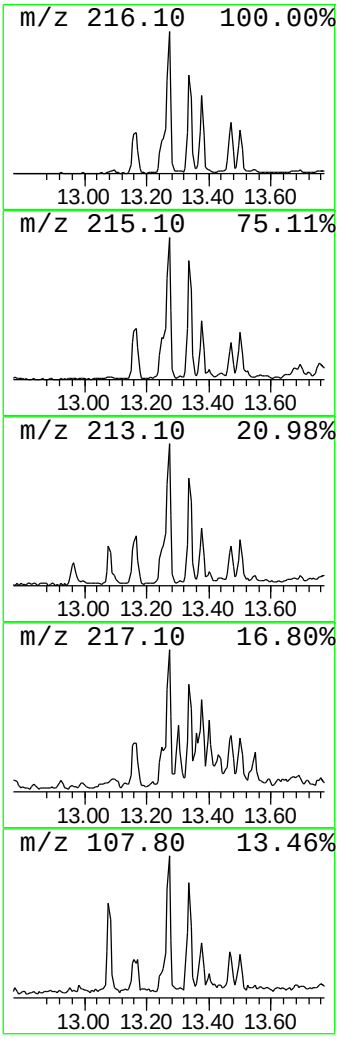
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.72 ng	316966	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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Acq On : 15 Jun 2018 19:53
Operator : JU/SJ
Sample : J3486-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-4

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

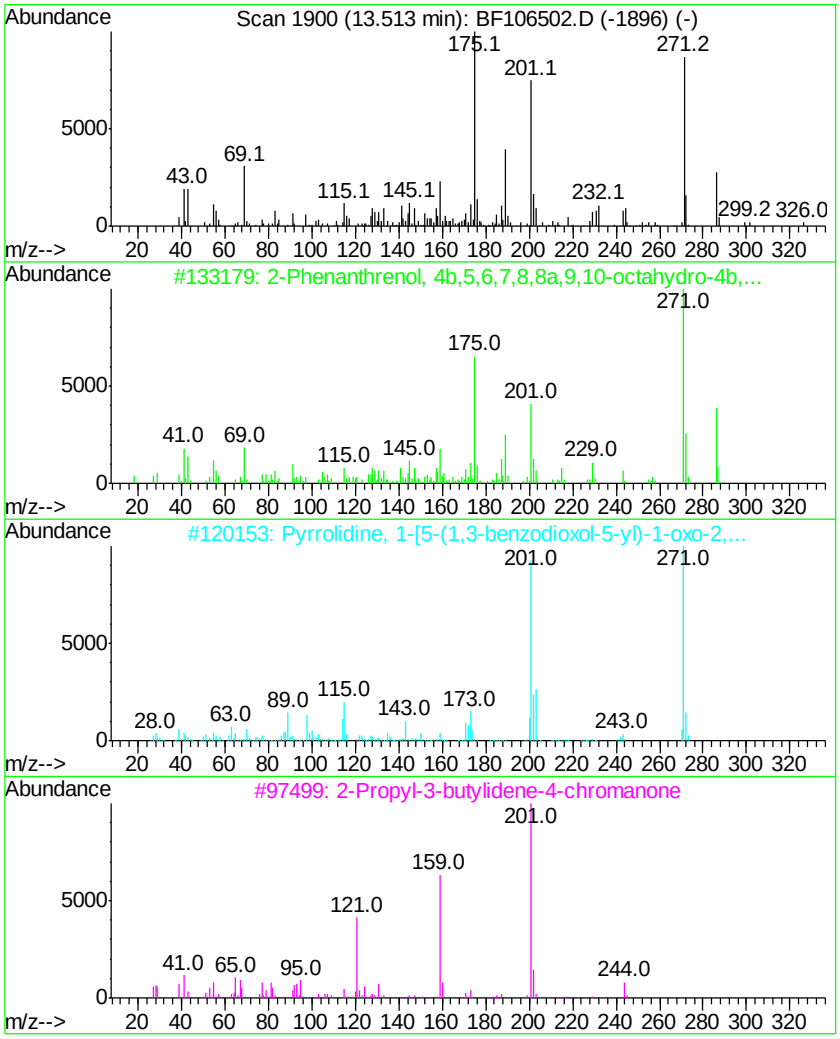
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

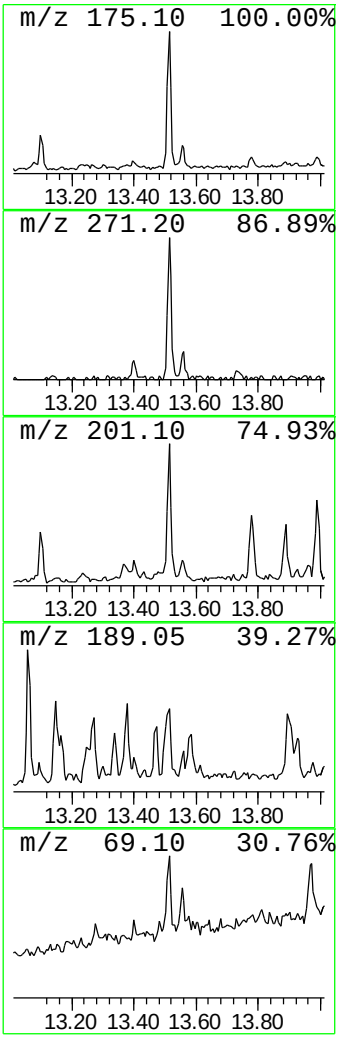
****

Peak Number 14 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	2.03 ng	237109	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	90
2	Pyrrolidine, 1-[5-(1,3-benzodiox...	271	C16H17NO3	025924-78-1	46
3	2-Propyl-3-butylidene-4-chromanone	244	C16H20O2	188031-88-1	14
4	Silane, dimethyl(2-chlorophenoxy...	286	C14H23ClO2Si	1000347-07-3	14
5	m-Cymene, 5-tert-butyl-	190	C14H22	029577-19-3	11





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

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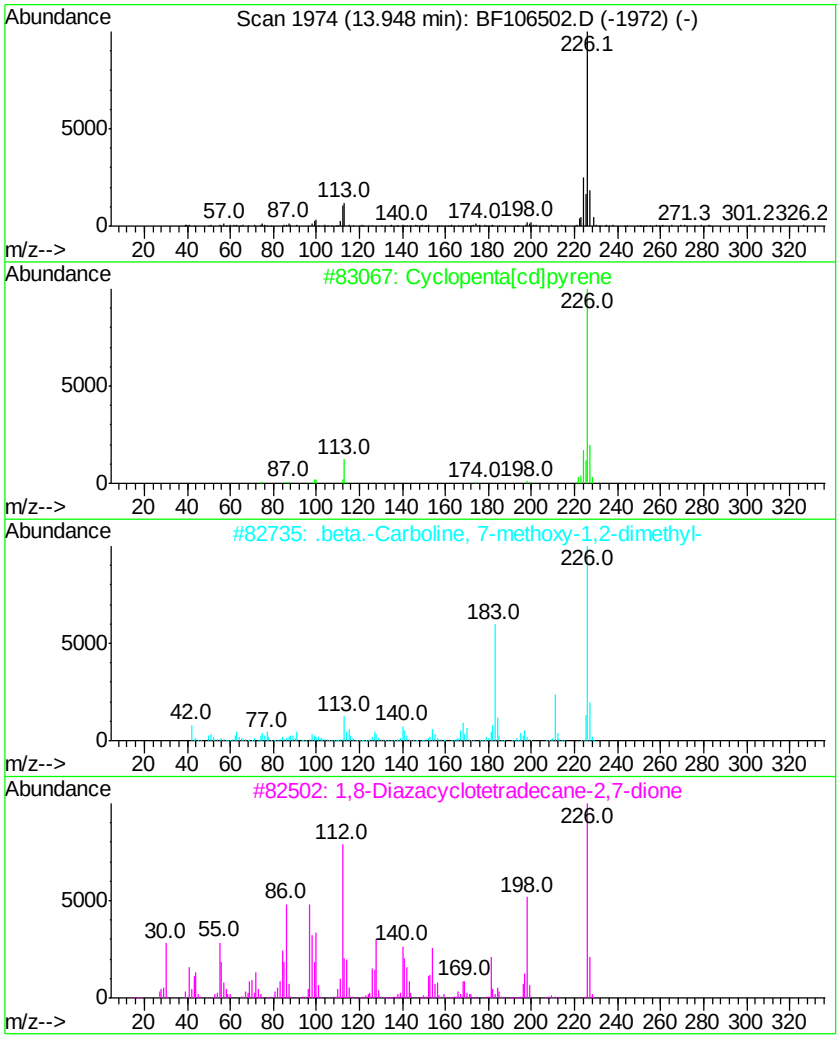
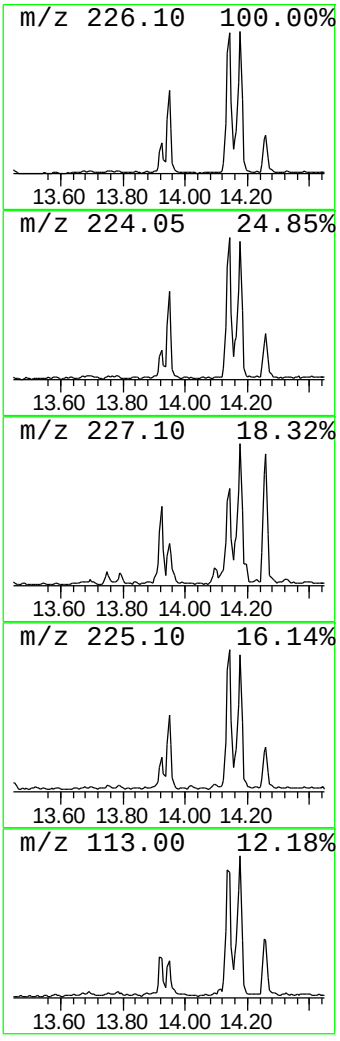
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.85 ng	332489	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	93
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	37
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	36
5	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	33





Tentatively Identified Compound (LSC) summary

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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	3.0	ng	106646	1	6.97	711983	20.0
unknown6.74	6.74	33.0	ng	1174010	1	6.97	711983	20.0
5H-Dibenzo[a,d]cy...	12.00	3.2	ng	114720	4	11.50	721570	20.0
Phenanthrene, 2-m...	12.02	4.4	ng	157272	4	11.50	721570	20.0
Anthracene, 1-met...	12.07	2.1	ng	76180	4	11.50	721570	20.0
4H-Cyclopenta[def...	12.11	8.3	ng	298017	4	11.50	721570	20.0
17-Norkaur-15-ene...	12.19	5.9	ng	213038	4	11.50	721570	20.0
1,2,4,8-Tetrameth...	12.30	3.0	ng	106699	4	11.50	721570	20.0
9,10-Anthracenedione	12.32	2.3	ng	81808	4	11.50	721570	20.0
di-p-Tolylacetylene	12.55	3.3	ng	118446	4	11.50	721570	20.0
Cyclopenta(def)ph...	12.64	2.9	ng	103668	4	11.50	721570	20.0
11H-Benzo[b]fluorene	13.27	2.7	ng	316966	5	14.15	2331500	20.0
2-Phenanthrenol, ...	13.51	2.0	ng	237109	5	14.15	2331500	20.0
Cyclopenta[cd]pyrene	13.95	2.9	ng	332489	5	14.15	2331500	20.0