LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106490.D
Acq On : 15 Jun 2018 14:34
Operator : JU/SJ
Sample : J3498-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-D-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-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	4.095	294	299	306	rVB	186711	233985	8.51%	0.566%
2	5.201	483	487	495	rVB	211918	232690	8.46%	0.563%
3	5.607	553	556	563	rBV	2390782	2434366	88.56%	5.892%
4	6.607	722	726	742	rBV	2601065	2425903	88.25%	5.871%
5	6.742	745	749	752	rBV	2627037	2403303	87.43%	5.816%
6	6.966	783	787	790	rBV	939169	762239	27.73%	1.845%
7	7.119	809	813	817	rBV	2109035	1964751	71.47%	4.755%
8	7.525	877	882	885	rBV	1631155	1627244	59.20%	3.938%
9	8.248	1001	1005	1007	rBV	1096393	945281	34.39%	2.288%
10	8.266	1007	1008	1011	rVB	69333	43450	1.58%	0.105%
11	9.319	1183	1187	1191	rBV	2877135	2748871	100.00%	6.653%
12	9.713	1251	1254	1257	rVB	319769	264628	9.63%	0.640%
13	9.866	1276	1280	1282	rBV	38010	29933	1.09%	0.072%
14	9.919	1284	1289	1293	rBV2	61849	53320	1.94%	0.129%
15	10.007	1300	1304	1307	rBV	1174933	1011894	36.81%	2.449%
16	10.036	1307	1309	1312	rVB	208811	152493	5.55%	0.369%
17	10.207	1335	1338	1341	rVB	86465	73947	2.69%	0.179%
18	10.419	1372	1374	1377	rVB	92929	69498	2.53%	0.168%
19	10.554	1393	1397	1400	rVB2	178002	145545	5.29%	0.352%
20	10.642	1409	1412	1414	rVB	39180	35222	1.28%	0.085%
21	10.707	1421	1423	1430	rVB	36909	37902	1.38%	0.092%
22	10.795	1434	1438	1442	rBV	1630747	1612578	58.66%	3.903%
23	10.895	1452	1455	1464	rVB	83445	110310	4.01%	0.267%
24	11.101	1483	1490	1492	rBV4	41383	59790	2.18%	0.145%
25	11.224	1507	1511	1513	rBV2	24033	31339	1.14%	0.076%
26	11.301	1521	1524	1527	rVB	58297	53584	1.95%	0.130%
27	11.342	1527	1531	1534	rVV3	71248	69760	2.54%	0.169%
28	11.395	1537	1540	1543	rVB	79991	75934	2.76%	0.184%
29	11.495	1553	1557	1559	rBV	1053395	949774	34.55%	2.299%
30	11.524	1559	1562	1565	rVV	1420367	1263534	45.97%	3.058%
31	11.571	1565	1570	1573	rVV	390629	326601	11.88%	0.790%
32	11.607	1573	1576	1579	rVB2	31849	32242	1.17%	0.078%
33	11.724	1591	1596	1600	rBV2	163574	156515	5.69%	0.379%
34	11.824	1611	1613	1618	rVB2	32467	34135	1.24%	0.083%

LSC Area Percent Report

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Sample : J3498-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-D-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	11.995	1639	1642	1645	rBV	144272	132214	4.81%	0.320%
36	12.024	1645	1647	1651	rVB	217809	168013	6.11%	0.407%
37	12.071	1652	1655	1658	rVB	72305	60827	2.21%	0.147%
38	12.113	1658	1662	1664	rBV2	275500	272370	9.91%	0.659%
39	12.130	1664	1665	1669	rVB	95616	68529	2.49%	0.166%
40	12.177	1670	1673	1675	rBV2	36156	29112	1.06%	0.070%
41	12.295	1689	1693	1695	rBV	115711	107143	3.90%	0.259%
42	12.318	1695	1697	1701	rVB	110059	88348	3.21%	0.214%
43	12.548	1732	1736	1739	rBV	74263	93872	3.41%	0.227%
44	12.636	1748	1751	1755	rBV	82844	80823	2.94%	0.196%
45	12.718	1760	1765	1768	rBV	1808740	1708604	62.16%	4.135%
46	12.754	1768	1771	1773	rVV	30291	31697	1.15%	0.077%
47	12.771	1773	1774	1777	rVB2	41217	32769	1.19%	0.079%
48	12.836	1782	1785	1787	rBV3	27604	34853	1.27%	0.084%
49	12.865	1787	1790	1792	rBV	63053	49625	1.81%	0.120%
50	12.889	1792	1794	1797	rVB2	47022	38141	1.39%	0.092%
51	12.948	1797	1804	1809	rBV	1654607	1833024	66.68%	4.436%
52	12.989	1809	1811	1815	rVB2	90154	82895	3.02%	0.201%
53	13.083	1819	1827	1830	rBV	2525418	2354481	85.65%	5.698%
54	13.165	1835	1841	1844	rBV2	98044	180965	6.58%	0.438%
55	13.242	1851	1854	1856	rBV3	70912	93193	3.39%	0.226%
56	13.271	1856	1859	1862	rVB	216545	206310	7.51%	0.499%
57	13.336	1867	1870	1873	rBV	177867	141412	5.14%	0.342%
58	13.377	1873	1877	1879	rVV2	134466	151504	5.51%	0.367%
59	13.401	1879	1881	1884	rVB	85002	62772	2.28%	0.152%
60	13.430	1884	1886	1889	rVB2	34613	30452	1.11%	0.074%
61	13.465	1889	1892	1895	rBV	71568	67501	2.46%	0.163%
62	13.501	1895	1898	1900	rBV	79443	81078	2.95%	0.196%
63	13.642	1919	1922	1924	rBV3	31891	34077	1.24%	0.082%
64	13.754	1938	1941	1943	rBV4	27328	34020	1.24%	0.082%
65	13.777	1943	1945	1949	rVB	143217	140261	5.10%	0.339%
66	13.895	1960	1965	1968	rBV2	181057	234855	8.54%	0.568%
67	13.924	1968	1970	1972	rVV	159595	135519	4.93%	0.328%
68	13.948	1972	1974	1975	rVV	139253	122602	4.46%	0.297%
69	13.989	1979	1981	1985	rVB	176358	166981	6.07%	0.404%
70	14.065	1990	1994	1998	rBV	52485	86221	3.14%	0.209%
71	14.112	2000	2002	2004	rVV2	82659	95786	3.48%	0.232%

LSC Area Percent Report

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Sample : J3498-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-D-S

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
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72	14.148	2004	2008	2011	rVV2	1303238	1982201	72.11%	4.797%
73	14.177	2011	2013	2019	rVB	906917	874104	31.80%	2.115%
74	14.259	2025	2027	2030	rBV	172430	139706	5.08%	0.338%
75	14.301	2031	2034	2036	rVV2	61847	71624	2.61%	0.173%
76	14.348	2040	2042	2044	rVV	75753	62122	2.26%	0.150%
77	14.383	2044	2048	2051	rVV2	111622	140229	5.10%	0.339%
78	14.412	2051	2053	2056	rVB2	42010	41013	1.49%	0.099%
79	14.548	2073	2076	2079	rVB	141036	136456	4.96%	0.330%
80	14.583	2080	2082	2085	rVB	77456	67881	2.47%	0.164%
81	14.618	2086	2088	2090	rBV2	46527	51322	1.87%	0.124%
82	14.683	2096	2099	2100	rBV	80626	73757	2.68%	0.179%
83	14.701	2100	2102	2106	rVV	100213	98021	3.57%	0.237%
84	14.754	2107	2111	2118	rVB4	71974	126896	4.62%	0.307%
85	14.871	2129	2131	2134	rBV2	40762	38534	1.40%	0.093%
86	14.924	2138	2140	2144	rVV2	86406	89603	3.26%	0.217%
87	15.242	2189	2194	2197	rBV	770581	1218027	44.31%	2.948%
88	15.271	2197	2199	2202	rVB	420043	380055	13.83%	0.920%
89	15.354	2210	2213	2217	rBV	138779	139568	5.08%	0.338%
90	15.565	2245	2249	2255	rVB	478939	626340	22.79%	1.516%
91	15.630	2256	2260	2267	rVV	673291	865675	31.49%	2.095%
92	15.701	2267	2272	2275	rVV	695283	898711	32.69%	2.175%
93	15.730	2275	2277	2284	rVB	213513	275677	10.03%	0.667%
94	17.259	2532	2537	2547	rVB2	266180	541170	19.69%	1.310%
95	17.524	2577	2582	2589	rBV4	62412	139039	5.06%	0.336%
96	17.742	2613	2619	2632	rVB	195037	436452	15.88%	1.056%

Sum of corrected areas: 41319593

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106490.D
Acq On : 15 Jun 2018 14:34
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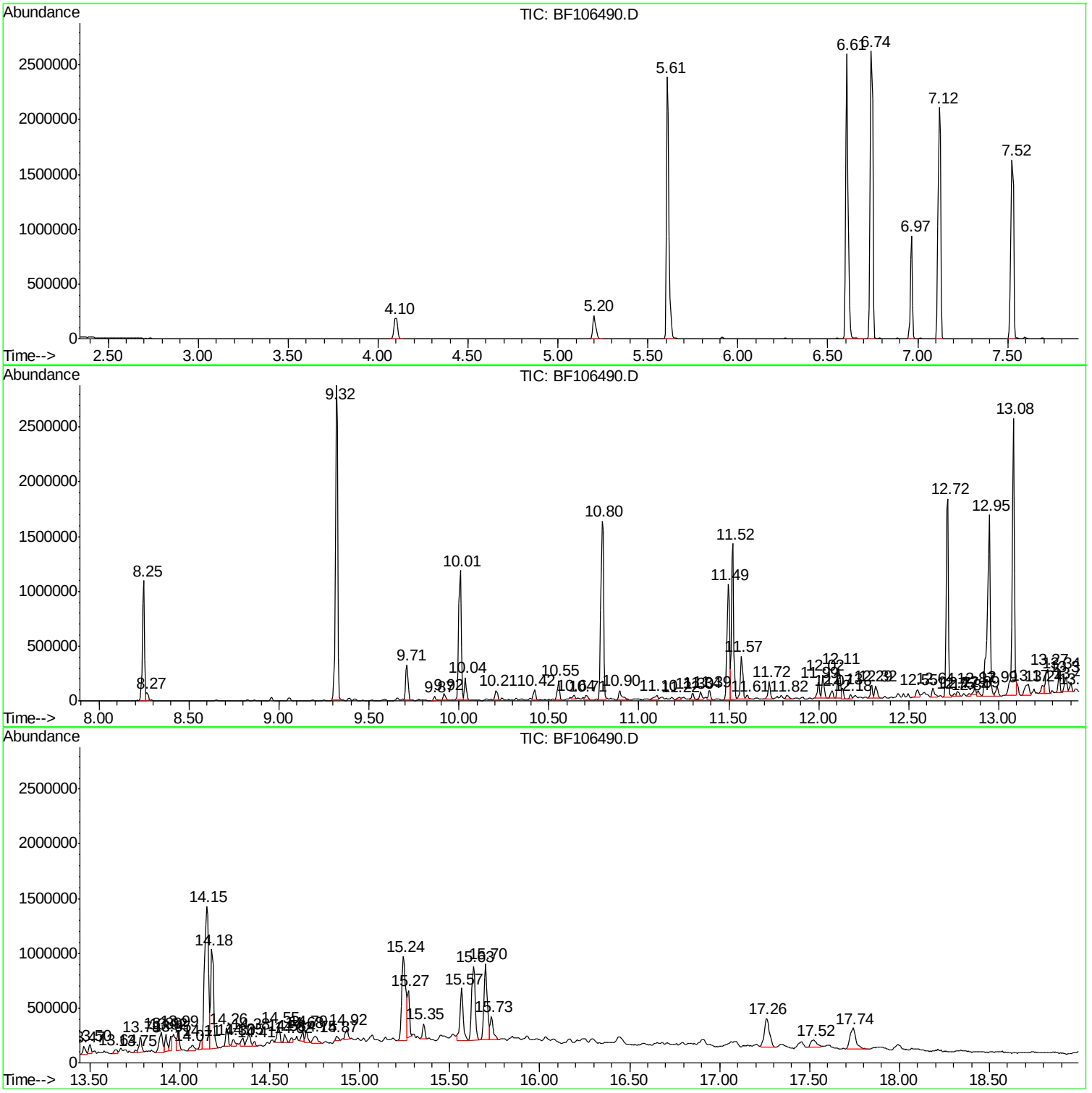
Sample : J3498-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-D-S

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 : BF106490.D
Acq On : 15 Jun 2018 14:34
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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
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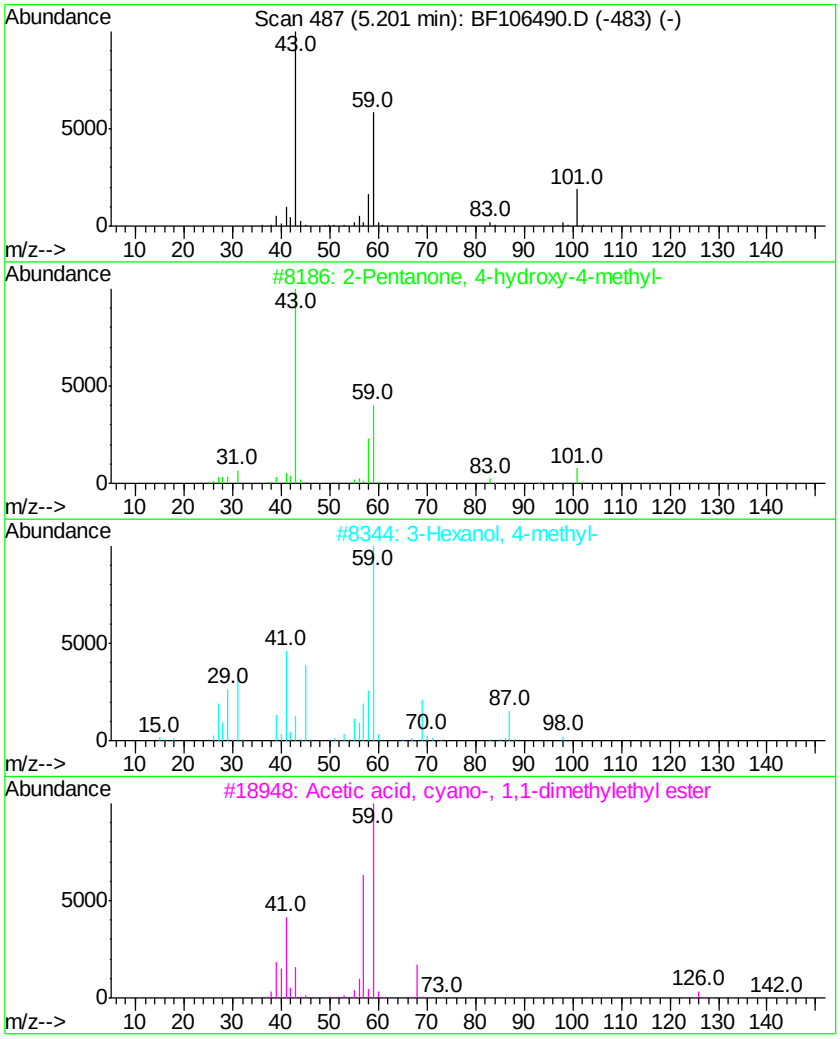
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

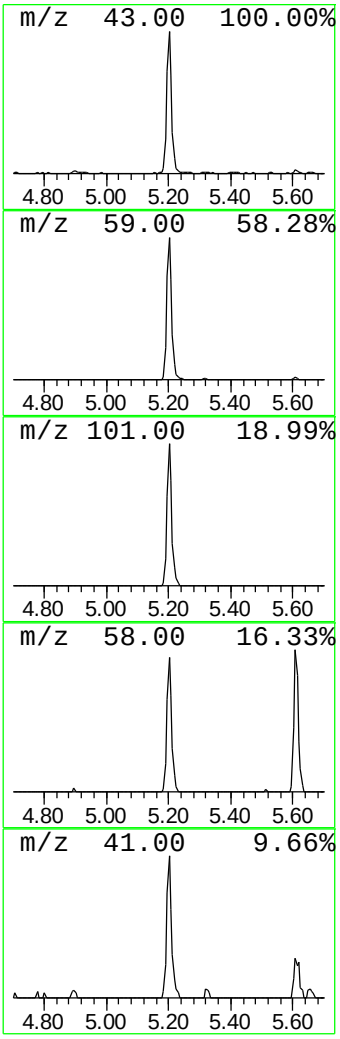
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	6.11 ng	232690	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	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9





Library Search Compound Report

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Sample : J3498-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-D-S

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
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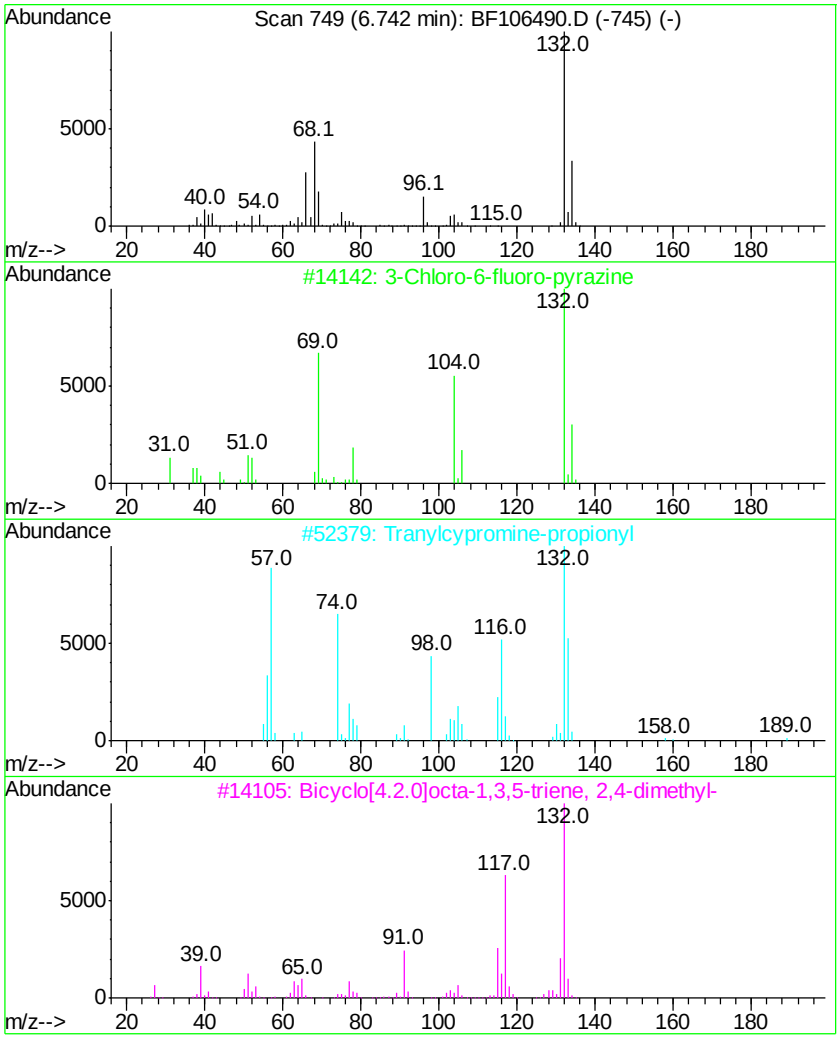
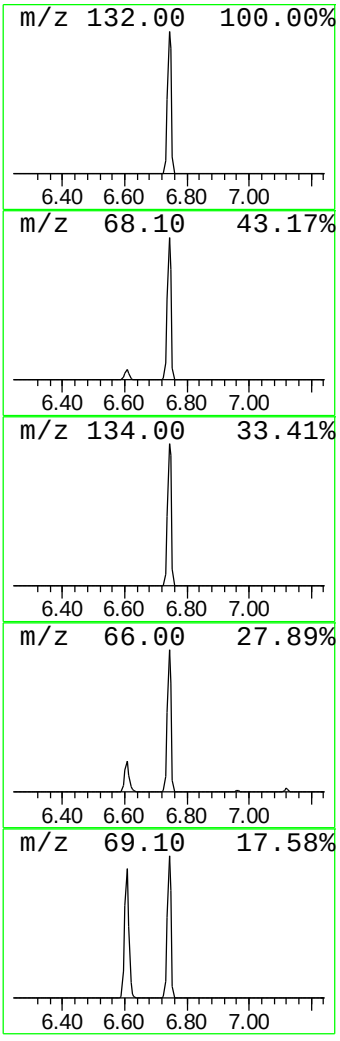
****

Peak Number 3 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	63.06 ng	2403300	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

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ClientSampleId : TP-D-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
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TIC Library : C:\DATABASE\NIST11.L
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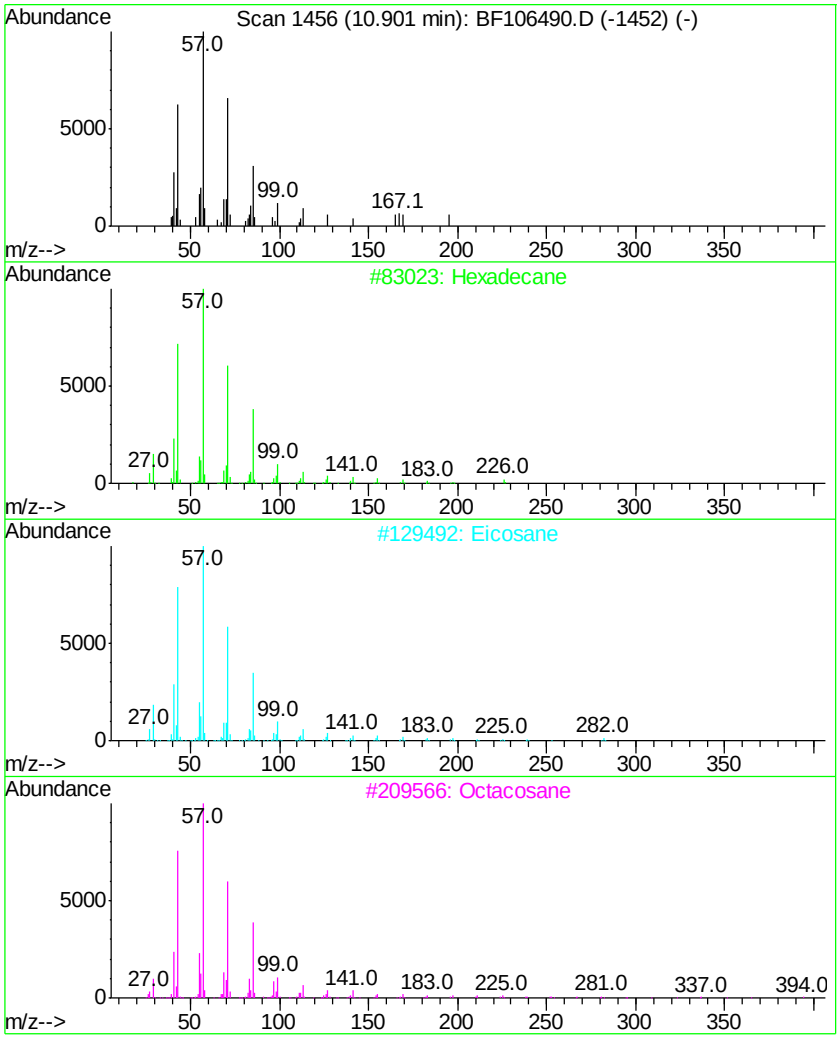
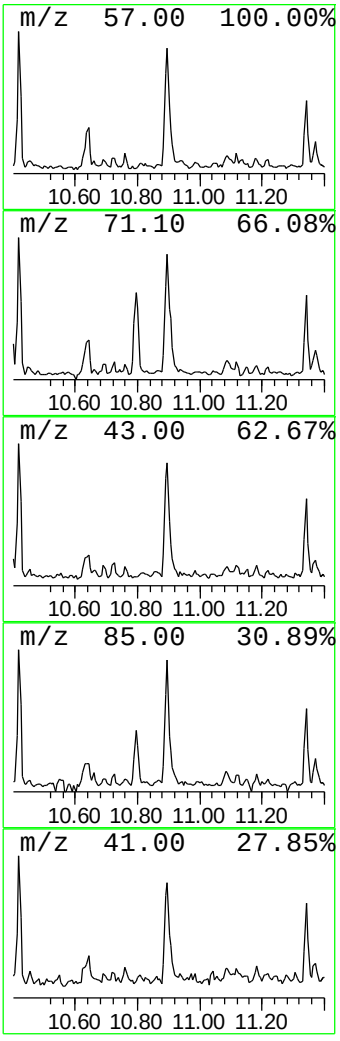
Peak Number 5 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.32 ng	110310	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Eicosane	282	C20H42	000112-95-8	86
3	Octacosane	394	C28H58	000630-02-4	86
4	Tetradecane	198	C14H30	000629-59-4	86
5	Pentadecane	212	C15H32	000629-62-9	86





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

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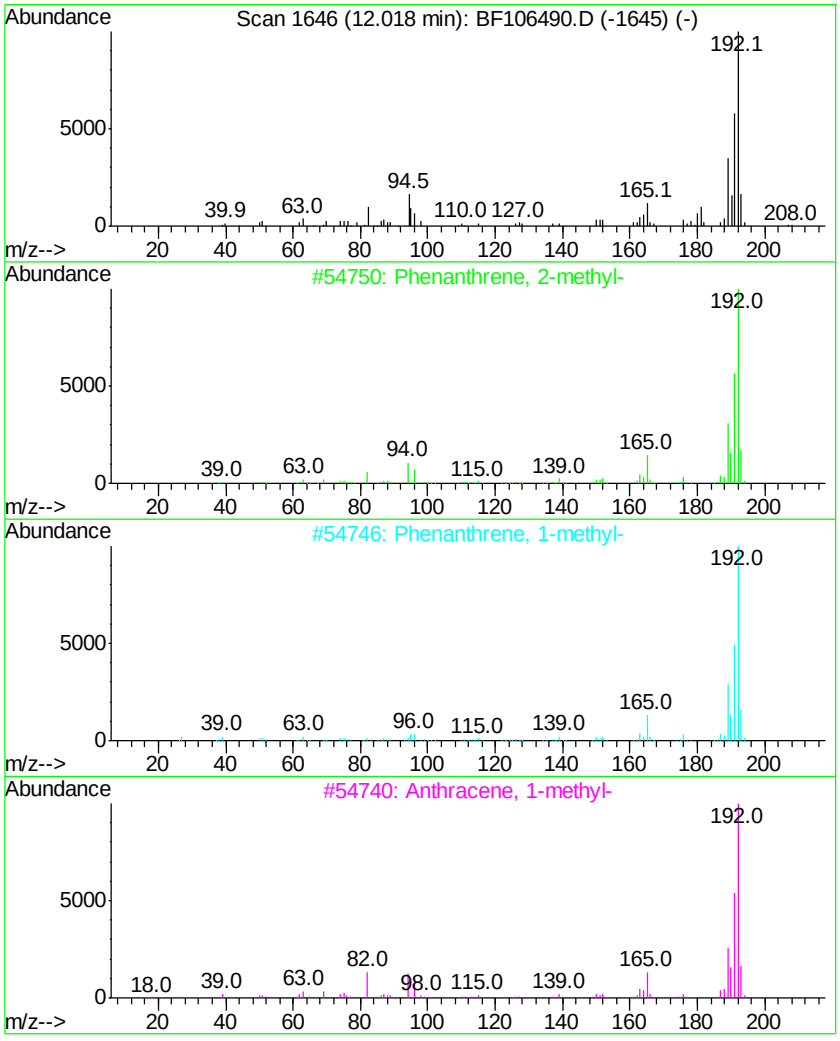
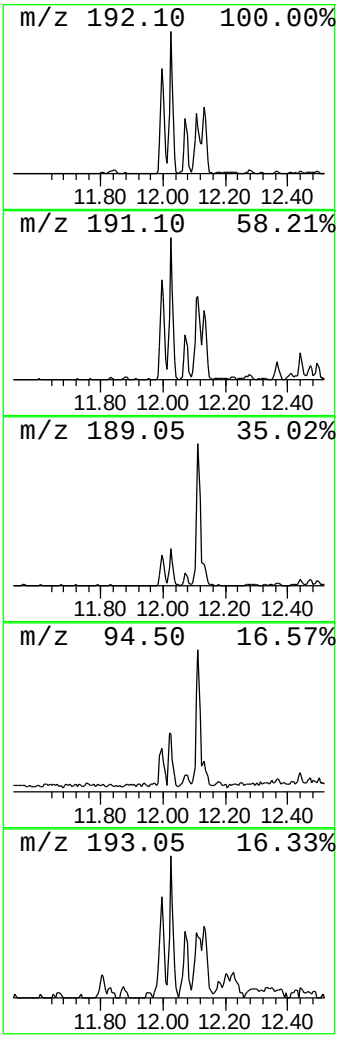
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.54 ng	168013	Phenanthrene-d10	11.49

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, 1-methyl-	192	C15H12	000610-48-0	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Data File : BF106490.D
Acq On : 15 Jun 2018 14:34
Operator : JU/SJ
Sample : J3498-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-D-S

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

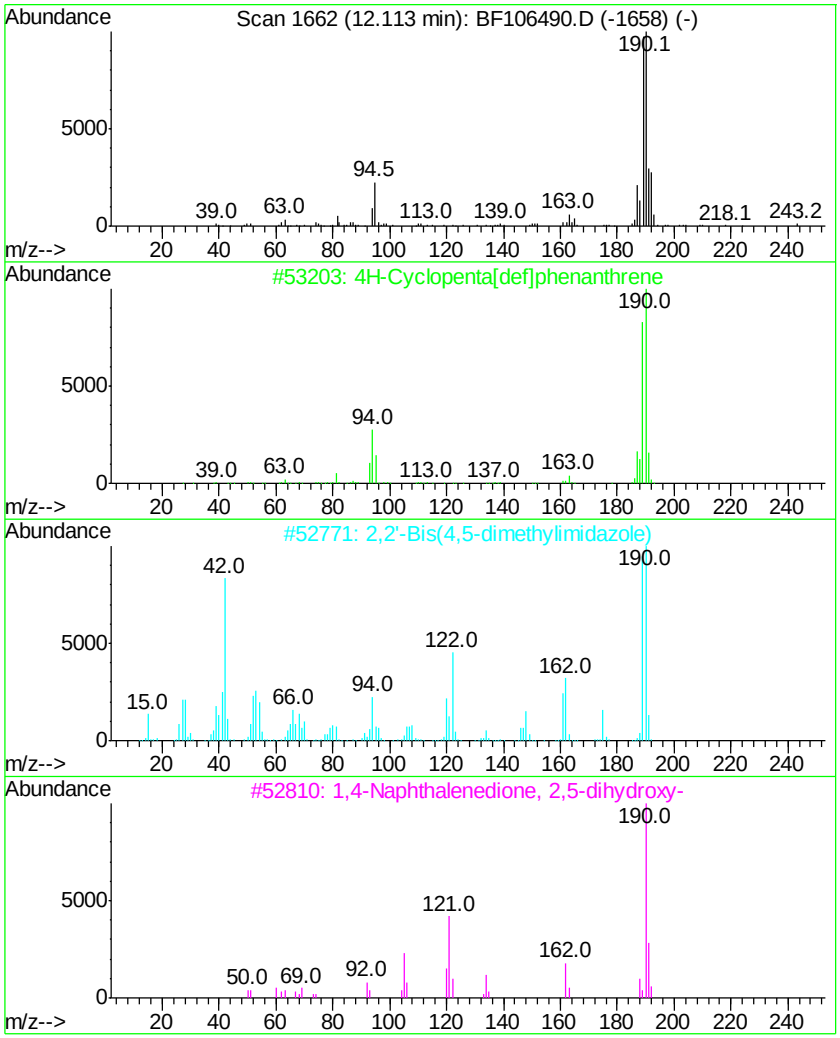
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

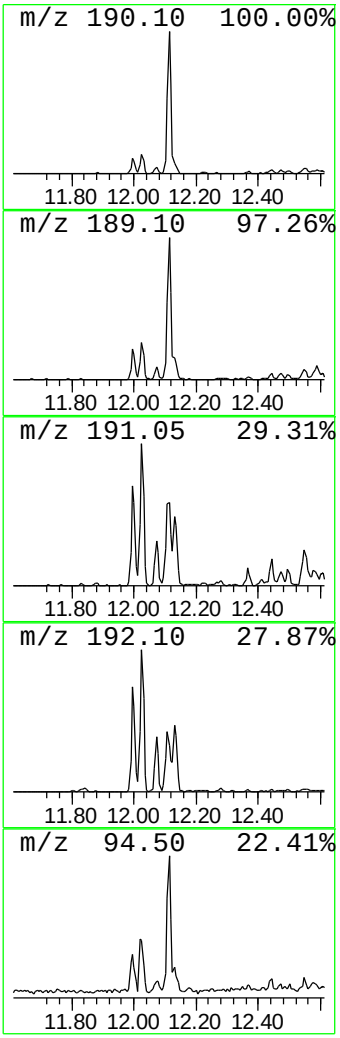
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	5.74 ng	272370	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
3	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
4	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18
5	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	16





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Acq On : 15 Jun 2018 14:34
Operator : JU/SJ
Sample : J3498-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-D-S

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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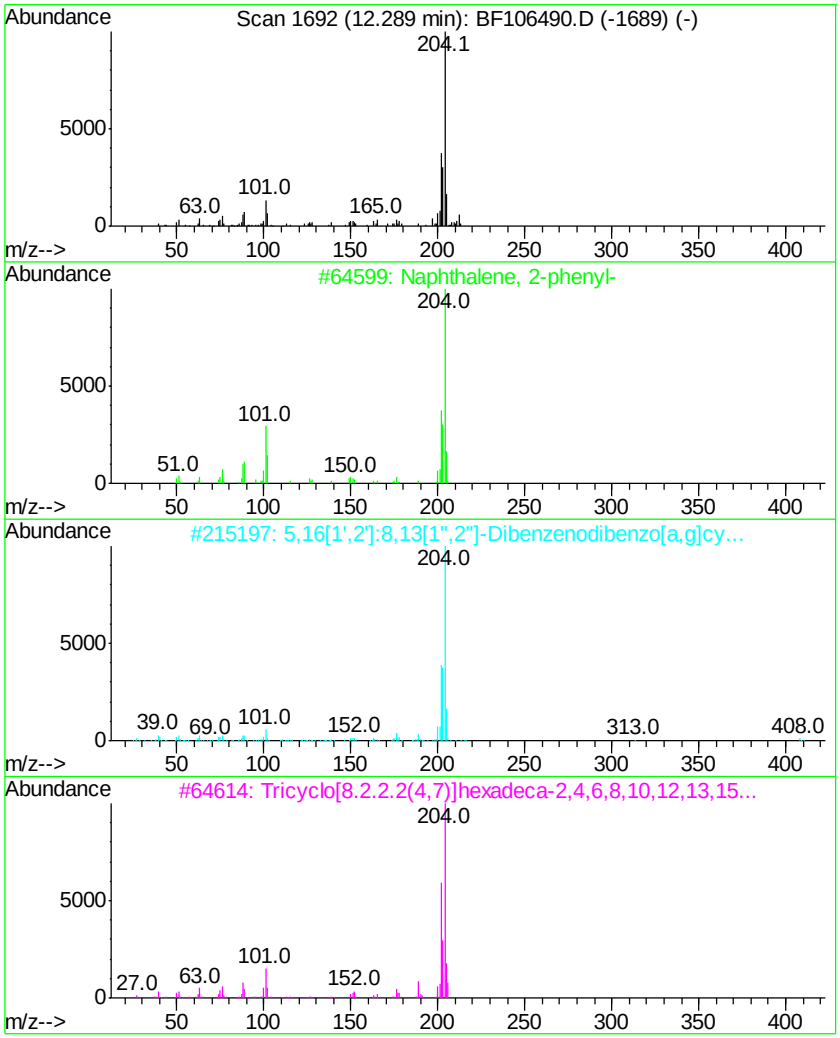
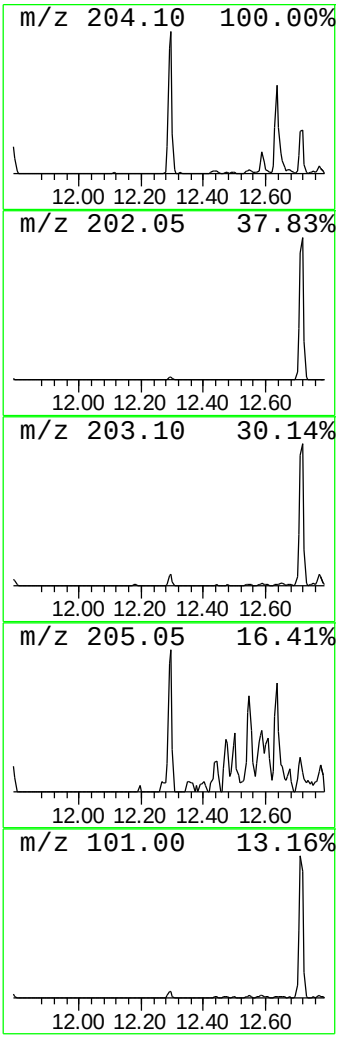
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.26 ng	107143	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64





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Operator : JU/SJ
Sample : J3498-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-D-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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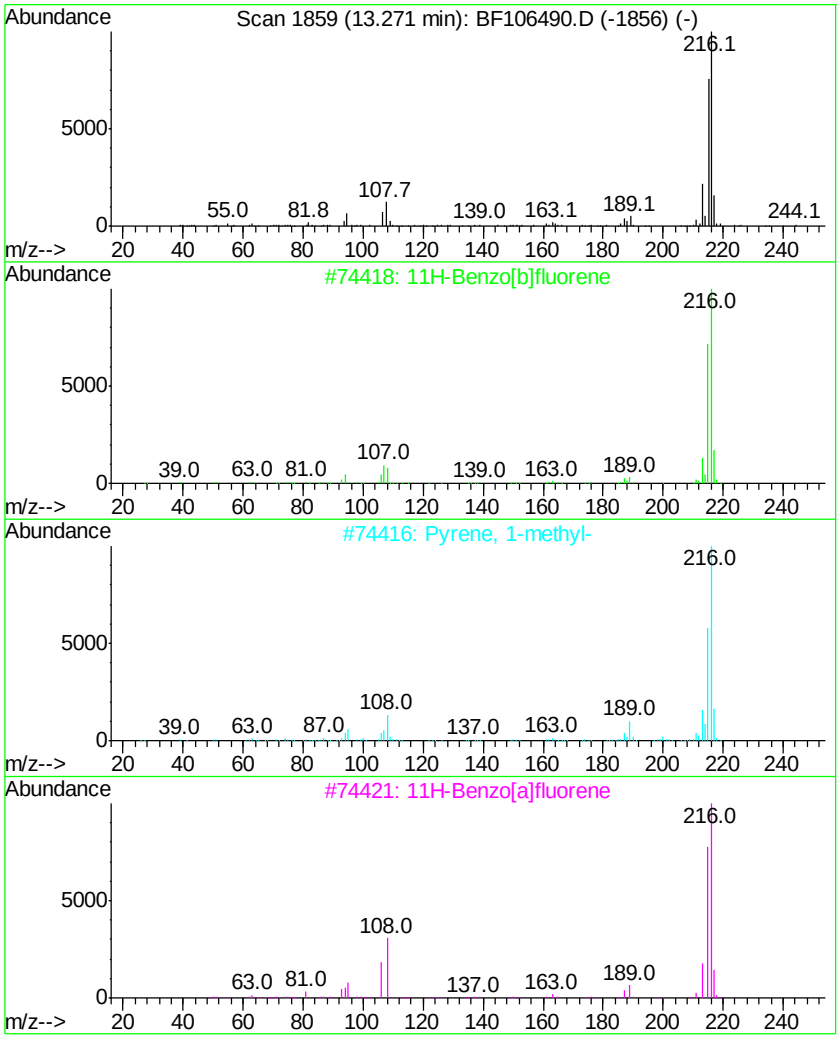
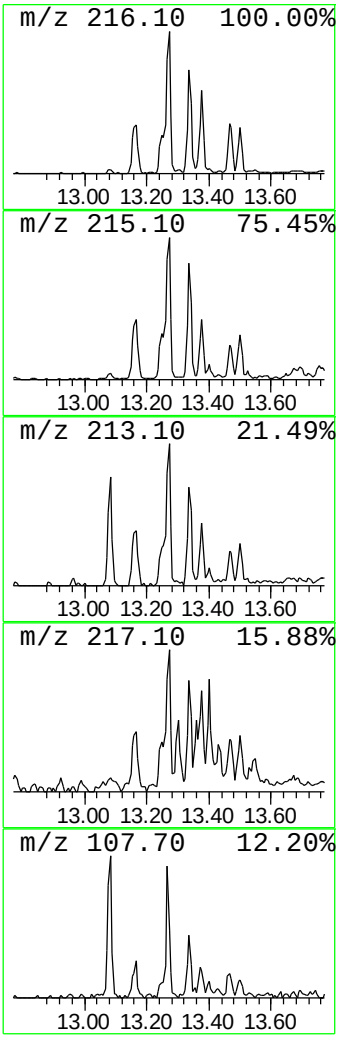
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.08 ng	206310	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Library Search Compound Report

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Data File : BF106490.D
Acq On : 15 Jun 2018 14:34
Operator : JU/SJ
Sample : J3498-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-D-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
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TIC Integration Parameters: LSCINT.P

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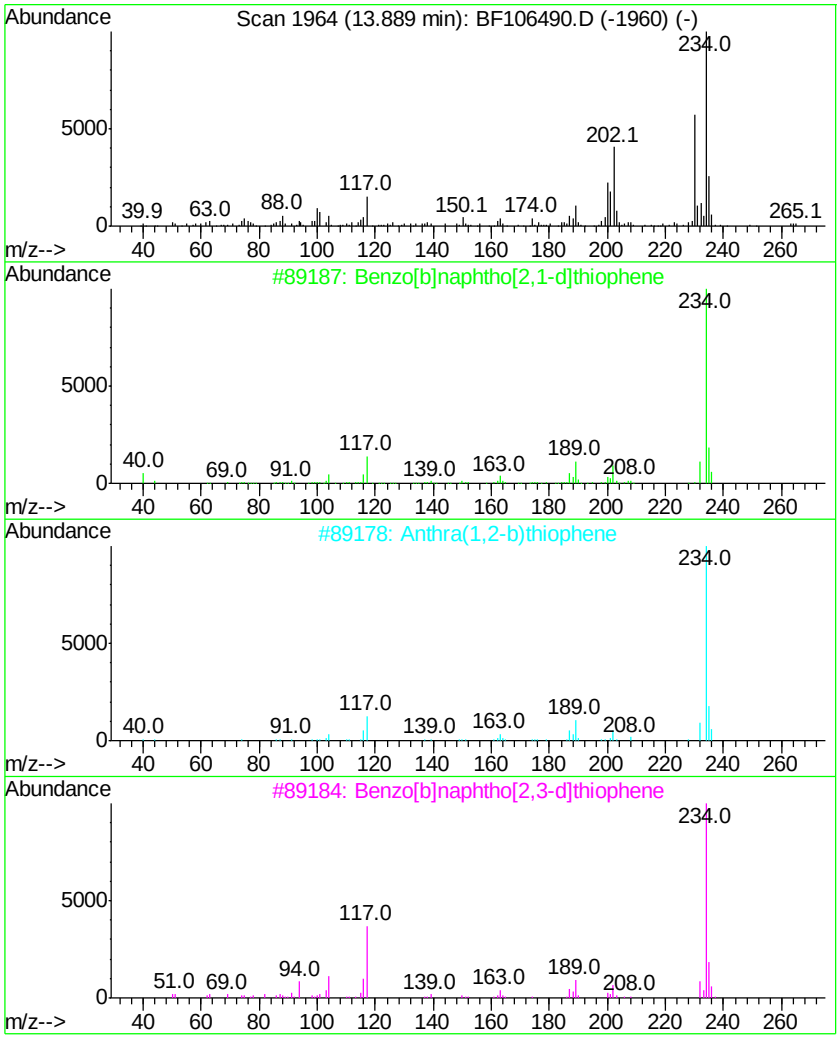
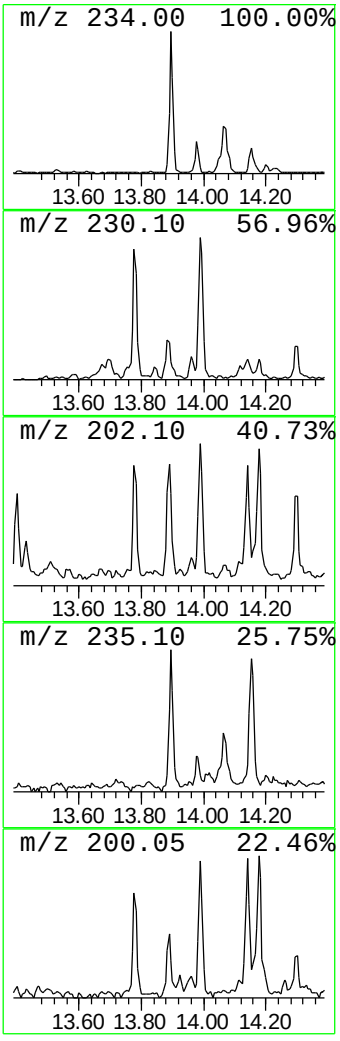
Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.37 ng	234855	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	98
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	96
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	91
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90





Library Search Compound Report

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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-D-S

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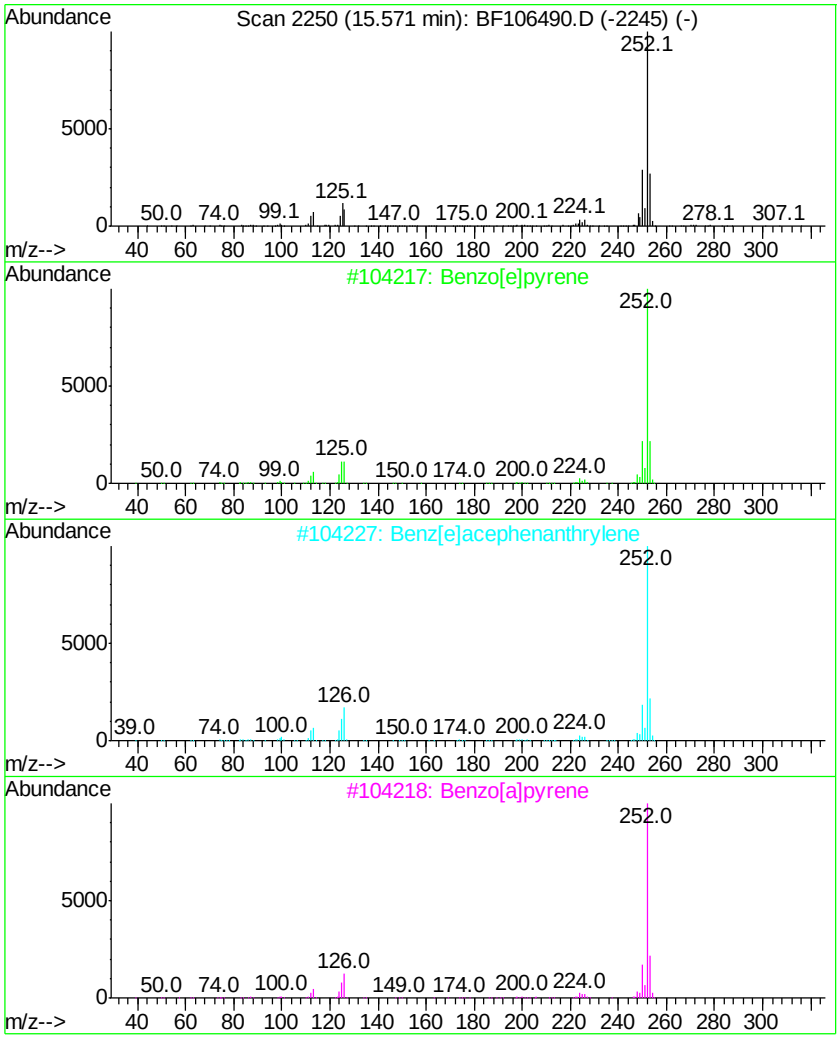
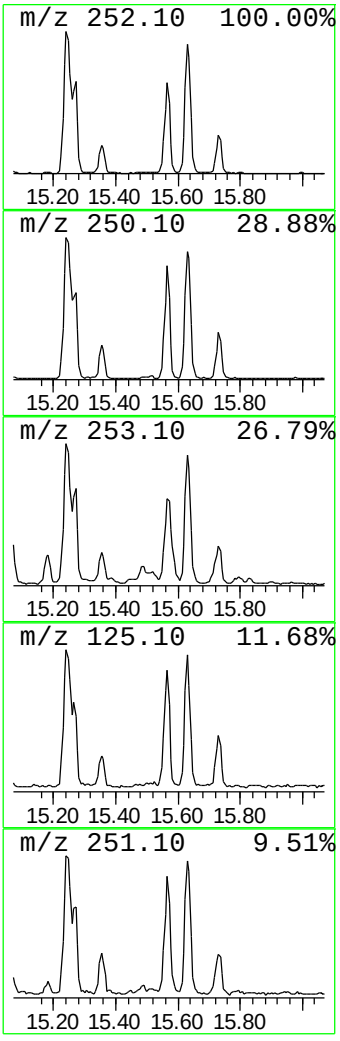
Peak Number 13 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	13.94 ng	626340	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76





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Acq On : 15 Jun 2018 14:34
Operator : JU/SJ
Sample : J3498-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-D-S

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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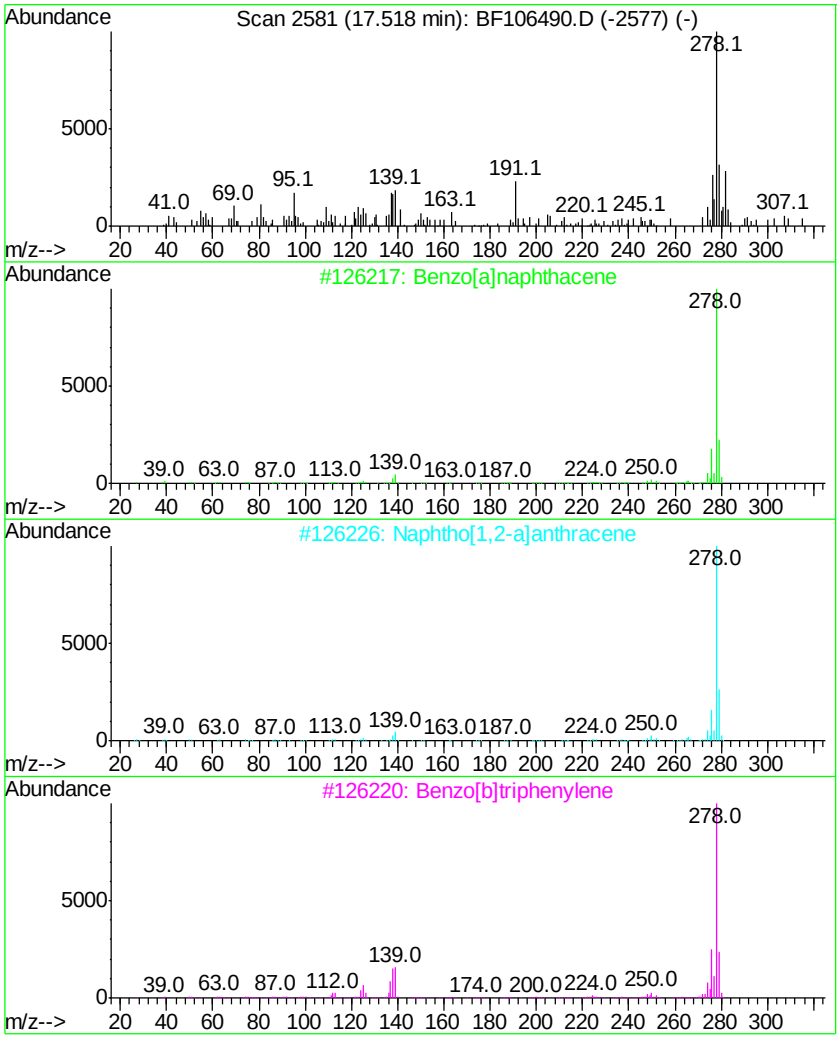
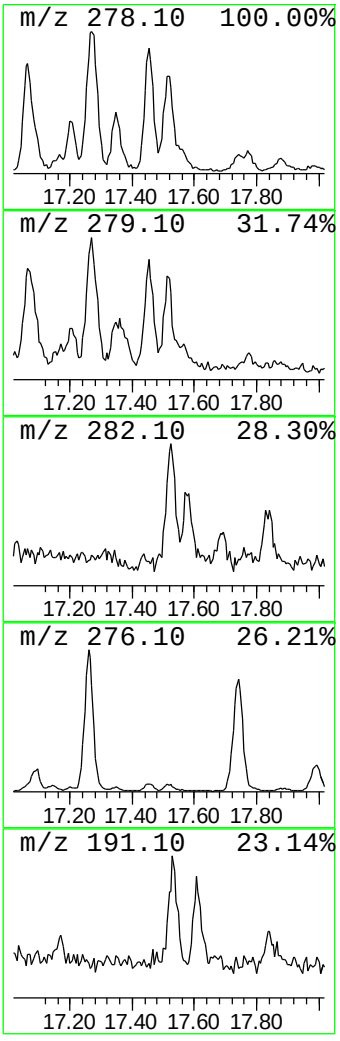
Peak Number 14 Benzo[a]naphthacene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	3.09 ng	139039	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]naphthacene	278	C22H14	000226-88-0	55
2	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	50
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	50
4	Pentaphene	278	C22H14	000222-93-5	50
5	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
Data File : BF106490.D
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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...	5.20	6.1	ng	232690	1	6.97	762239	20.0
unknown6.74	6.74	63.1	ng	2403300	1	6.97	762239	20.0
Hexadecane	10.90	2.3	ng	110310	4	11.49	949774	20.0
Phenanthrene, 2-m...	12.02	3.5	ng	168013	4	11.49	949774	20.0
4H-Cyclopenta[def...	12.11	5.7	ng	272370	4	11.49	949774	20.0
Naphthalene, 2-ph...	12.29	2.3	ng	107143	4	11.49	949774	20.0
11H-Benzo[b]fluorene	13.27	2.1	ng	206310	5	14.15	1982200	20.0
Benzo[b]naphtho[2...	13.89	2.4	ng	234855	5	14.15	1982200	20.0
Benzo[e]pyrene	15.57	13.9	ng	626340	6	15.70	898711	20.0
Benzo[a]naphthacene	17.52	3.1	ng	139039	6	15.70	898711	20.0