LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107713.D
Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

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-BF072018.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	5.195	482	486	501	rBV	354506	531579	13.59%	0.674%
2	5.595	551	554	584	rBV	1798851	3155621	80.69%	3.998%
3	6.595	721	724	744	rBV	1924768	3459452	88.46%	4.383%
4	6.737	744	748	783	rVB	2656376	3910745	100.00%	4.955%
5	6.960	783	786	795	rBV	669147	1016237	25.99%	1.288%
6	7.025	795	797	803	rVB	108096	112770	2.88%	0.143%
7	7.113	808	812	828	rBV	1857470	2366625	60.52%	2.999%
8	7.525	878	882	904	rBV	1503484	2239816	57.27%	2.838%
9	8.242	1000	1004	1006	rBV	1343036	1393510	35.63%	1.766%
10	8.266	1006	1008	1030	rVB	1291235	1646449	42.10%	2.086%
11	8.954	1121	1125	1132	rBV	406729	506912	12.96%	0.642%
12	9.054	1137	1142	1154	rVB	661840	755697	19.32%	0.958%
13	9.313	1179	1186	1195	rBV	2818969	2979404	76.19%	3.775%
14	9.419	1201	1204	1209	rVB	60224	68101	1.74%	0.086%
15	9.525	1218	1222	1227	rVB2	44301	75048	1.92%	0.095%
16	9.583	1227	1232	1236	rBV	210541	304336	7.78%	0.386%
17	9.654	1240	1244	1247	rVV	349577	392913	10.05%	0.498%
18	9.683	1247	1249	1250	rVV	163368	148743	3.80%	0.188%
19	9.707	1250	1253	1260	rVV	505026	548555	14.03%	0.695%
20	9.772	1261	1264	1273	rVB	167930	261692	6.69%	0.332%
21	9.860	1275	1279	1285	rBV	498164	552950	14.14%	0.701%
22	9.977	1296	1299	1300	rBV	111662	107012	2.74%	0.136%
23	10.001	1300	1303	1306	rVV	1597494	1585561	40.54%	2.009%
24	10.030	1306	1308	1317	rVV	718806	792915	20.28%	1.005%
25	10.101	1317	1320	1324	rVB	48164	59555	1.52%	0.075%
26	10.207	1330	1338	1341	rBV	548329	672155	17.19%	0.852%
27	10.236	1341	1343	1347	rVB	132902	134947	3.45%	0.171%
28	10.313	1352	1356	1359	rBV2	130397	160360	4.10%	0.203%
29	10.342	1359	1361	1366	rVB	64078	64152	1.64%	0.081%
30	10.407	1367	1372	1377	rVB4	99041	155012	3.96%	0.196%
31	10.454	1377	1380	1385	rBV2	87415	110163	2.82%	0.140%
32	10.519	1389	1391	1393	rBV	63822	58824	1.50%	0.075%
33	10.548	1393	1396	1403	rVB	1111291	1280528	32.74%	1.623%
34	10.707	1418	1423	1426	rBV	166692	180769	4.62%	0.229%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107713.D
Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

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-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.795	1432	1438	1451	rBV3	2220748	2809828	71.85%	3.560%
36	10.895	1451	1455	1463	rVB6	82064	188166	4.81%	0.238%
37	10.989	1467	1471	1473	rBV2	49510	59535	1.52%	0.075%
38	11.101	1484	1490	1492	rBV	255112	344915	8.82%	0.437%
39	11.124	1492	1494	1501	rVV	145890	174204	4.45%	0.221%
40	11.183	1501	1504	1507	rVV	122317	111018	2.84%	0.141%
41	11.224	1508	1511	1513	rVV	61580	60644	1.55%	0.077%
42	11.248	1513	1515	1521	rVB3	61827	70115	1.79%	0.089%
43	11.301	1521	1524	1527	rBV3	55892	57535	1.47%	0.073%
44	11.336	1527	1530	1533	rBV2	92799	106475	2.72%	0.135%
45	11.395	1536	1540	1550	rVB	335267	460443	11.77%	0.583%
46	11.495	1553	1557	1559	rBV	1348808	1439587	36.81%	1.824%
47	11.524	1559	1562	1567	rVV	3493593	3665468	93.73%	4.644%
48	11.571	1567	1570	1581	rVB	1129955	1404503	35.91%	1.780%
49	11.736	1594	1598	1601	rBV	247743	318877	8.15%	0.404%
50	11.789	1604	1607	1611	rVV2	125669	146817	3.75%	0.186%
51	11.824	1611	1613	1617	rVV2	158950	185781	4.75%	0.235%
52	11.866	1617	1620	1624	rVV	984551	849771	21.73%	1.077%
53	11.913	1624	1628	1633	rVB	104233	138171	3.53%	0.175%
54	12.001	1639	1643	1645	rBV2	738551	836544	21.39%	1.060%
55	12.024	1645	1647	1652	rVB	649185	610114	15.60%	0.773%
56	12.071	1652	1655	1658	rBV	225593	221315	5.66%	0.280%
57	12.113	1658	1662	1664	rBV2	999028	1091214	27.90%	1.383%
58	12.230	1680	1682	1685	rVB	70381	62709	1.60%	0.079%
59	12.289	1690	1692	1696	rBV	267494	294416	7.53%	0.373%
60	12.471	1721	1723	1725	rBV	111173	92969	2.38%	0.118%
61	12.495	1725	1727	1732	rVB2	80694	76828	1.96%	0.097%
62	12.554	1732	1737	1738	rBV2	1482808	1399530	35.79%	1.773%
63	12.577	1738	1741	1748	rVV2	2593853	3126600	79.95%	3.962%
64	12.660	1748	1755	1760	rVB4	510146	705404	18.04%	0.894%
65	12.718	1761	1765	1773	rBV	2820308	3066706	78.42%	3.886%
66	12.813	1778	1781	1787	rVB	345738	386662	9.89%	0.490%
67	12.866	1787	1790	1792	rBV	143377	145823	3.73%	0.185%
68	12.948	1797	1804	1809	rBV	2569459	2973865	76.04%	3.768%
69	12.995	1809	1812	1816	rVB2	161465	177581	4.54%	0.225%
70	13.077	1821	1826	1836	rVV	2381615	2615374	66.88%	3.314%
71	13.160	1836	1840	1846	rVB3	206705	368727	9.43%	0.467%

LSC Area Percent Report

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Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

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-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.271	1852	1859	1863	rBV	673627	918791	23.49%	1.164%
73	13.336	1867	1870	1874	rVV	602008	653779	16.72%	0.828%
74	13.377	1874	1877	1884	rVB2	331887	425748	10.89%	0.539%
75	13.471	1890	1893	1895	rBV	174956	175327	4.48%	0.222%
76	13.501	1895	1898	1906	rVB2	241090	358804	9.17%	0.455%
77	13.671	1925	1927	1929	rBV2	63438	59319	1.52%	0.075%
78	13.754	1938	1941	1944	rBV	104755	145893	3.73%	0.185%
79	13.895	1962	1965	1967	rBV	225738	199839	5.11%	0.253%
80	13.918	1967	1969	1972	rVV	242809	258248	6.60%	0.327%
81	13.954	1972	1975	1986	rVB5	507669	748843	19.15%	0.949%
82	14.142	2002	2007	2010	rBV2	1837057	2839691	72.61%	3.598%
83	14.171	2010	2012	2019	rVB	1263754	1336837	34.18%	1.694%
84	14.295	2031	2033	2039	rVB3	138413	207616	5.31%	0.263%
85	14.495	2064	2067	2068	rBV	101687	93091	2.38%	0.118%
86	14.530	2068	2073	2077	rVV	350529	480072	12.28%	0.608%
87	14.565	2077	2079	2083	rVB2	126428	129340	3.31%	0.164%
88	14.630	2088	2090	2093	rVV	213512	269202	6.88%	0.341%
89	14.660	2093	2095	2097	rVV	230767	244022	6.24%	0.309%
90	14.683	2097	2099	2103	rVV	258555	281898	7.21%	0.357%
91	14.730	2105	2107	2114	rVB4	109906	150920	3.86%	0.191%
92	15.048	2159	2161	2166	rBV2	66749	83815	2.14%	0.106%
93	15.224	2186	2191	2194	rBV	840220	1576819	40.32%	1.998%
94	15.336	2206	2210	2217	rVB	250098	343975	8.80%	0.436%
95	15.542	2241	2245	2252	rVB	528292	773972	19.79%	0.981%
96	15.612	2252	2257	2262	rBV	891649	1329284	33.99%	1.684%
97	15.677	2264	2268	2272	rBV	720546	978580	25.02%	1.240%
98	16.277	2366	2370	2373	rVB	83394	116144	2.97%	0.147%
99	17.248	2529	2535	2546	rBV2	264623	654498	16.74%	0.829%
100	17.724	2610	2616	2627	rBV2	170754	454041	11.61%	0.575%

Sum of corrected areas: 78921750

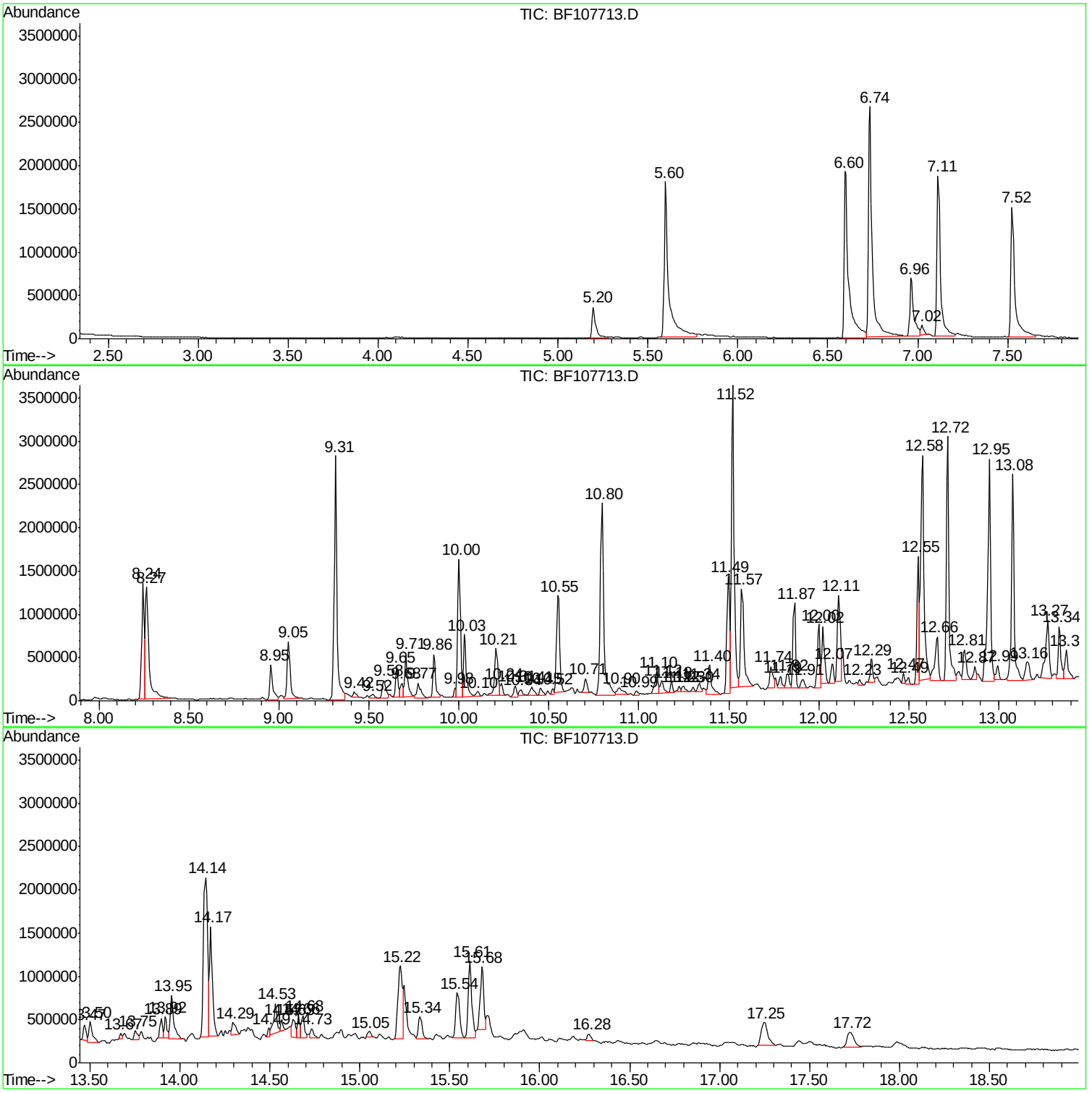
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107713.D
Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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\BF072618\
Data File : BF107713.D
Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

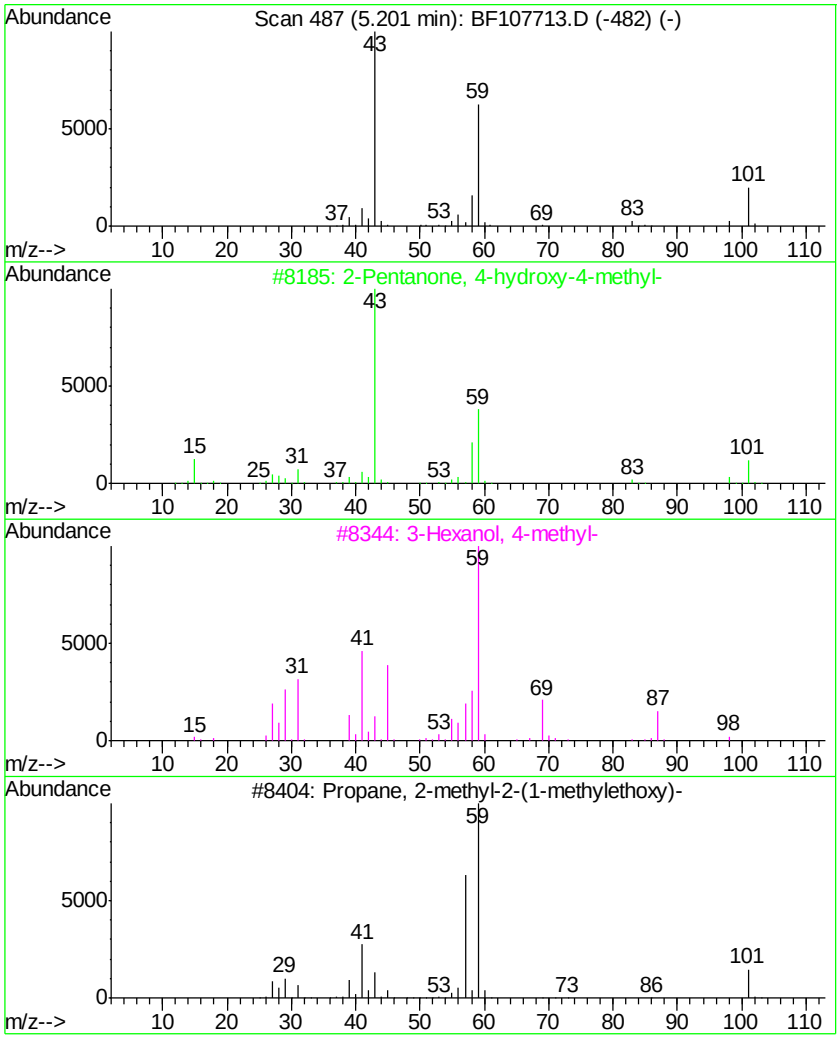
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

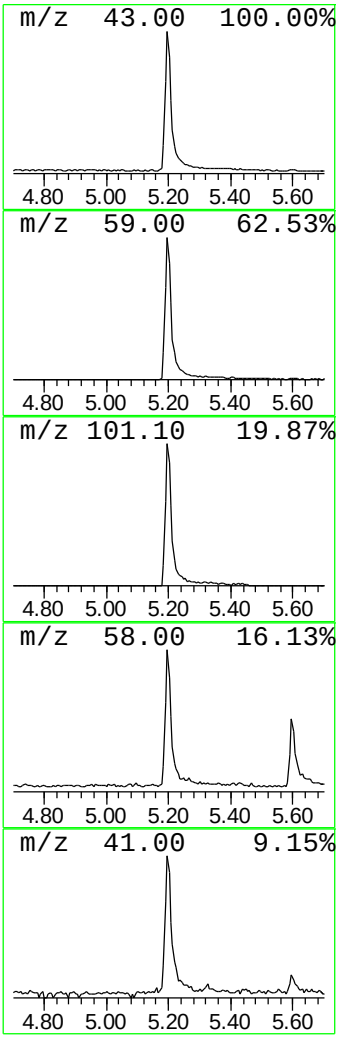
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	10.46 ng	531579	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	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Library Search Compound Report

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Data File : BF107713.D
Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

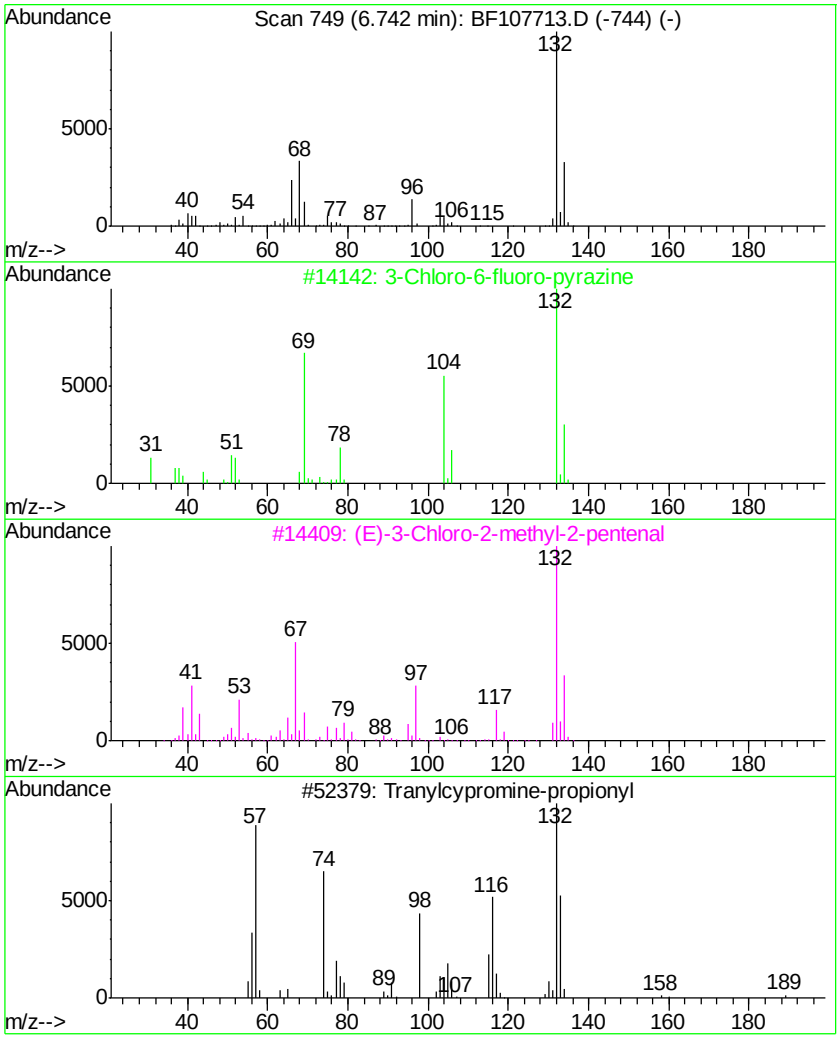
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

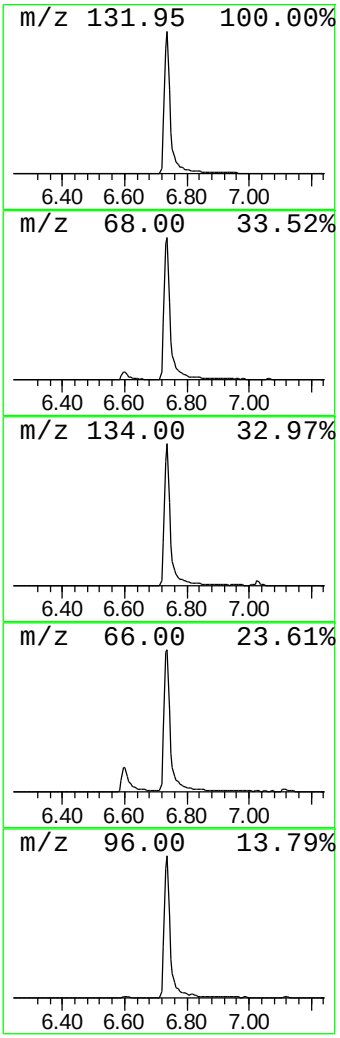
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	76.97 ng	3910750	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	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107713.D
Acq On : 26 Jul 2018 21:21
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

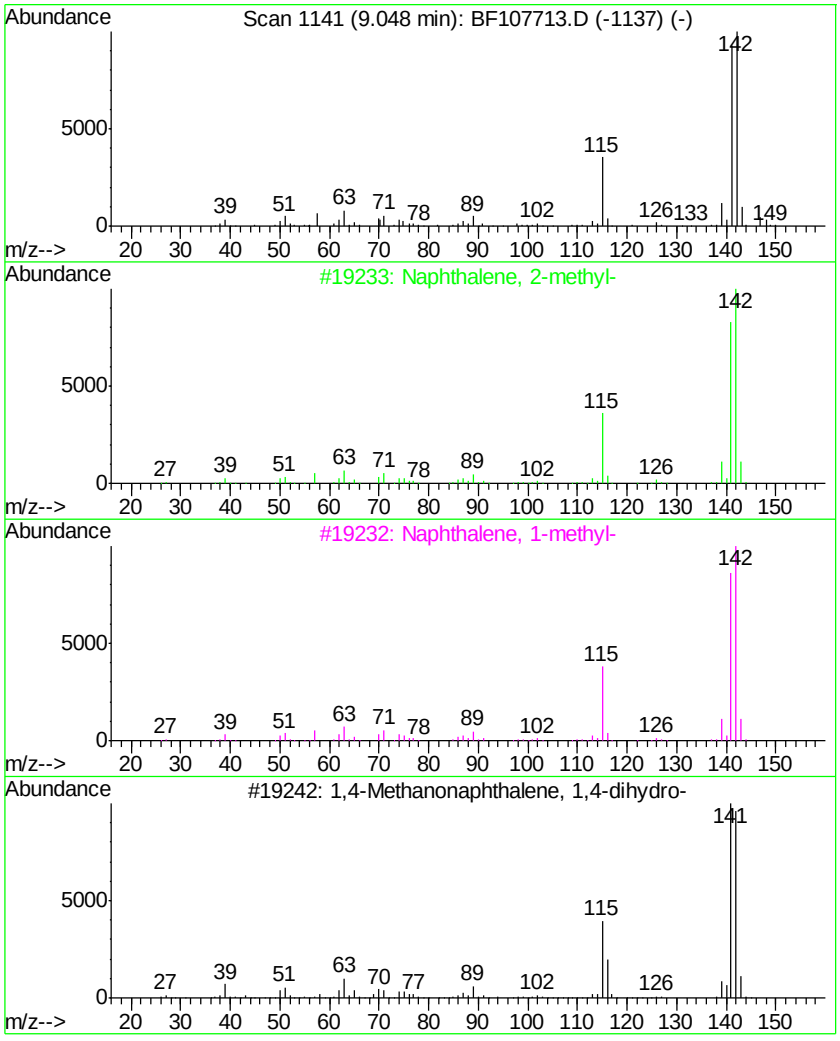
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

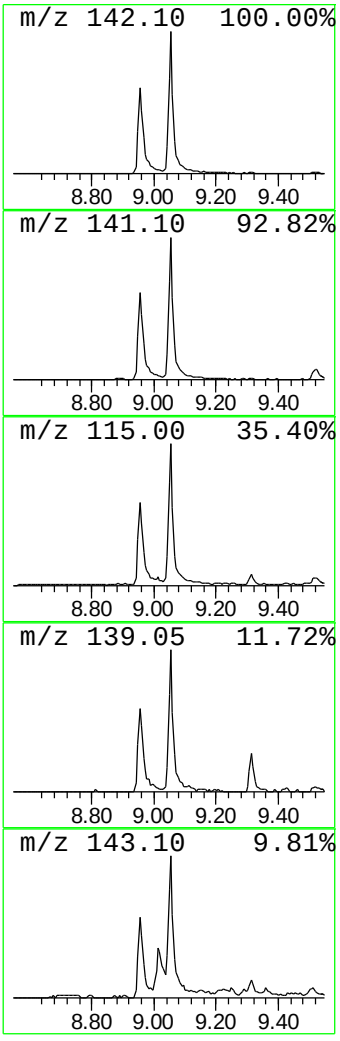
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	10.85 ng	755697	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107713.D
Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

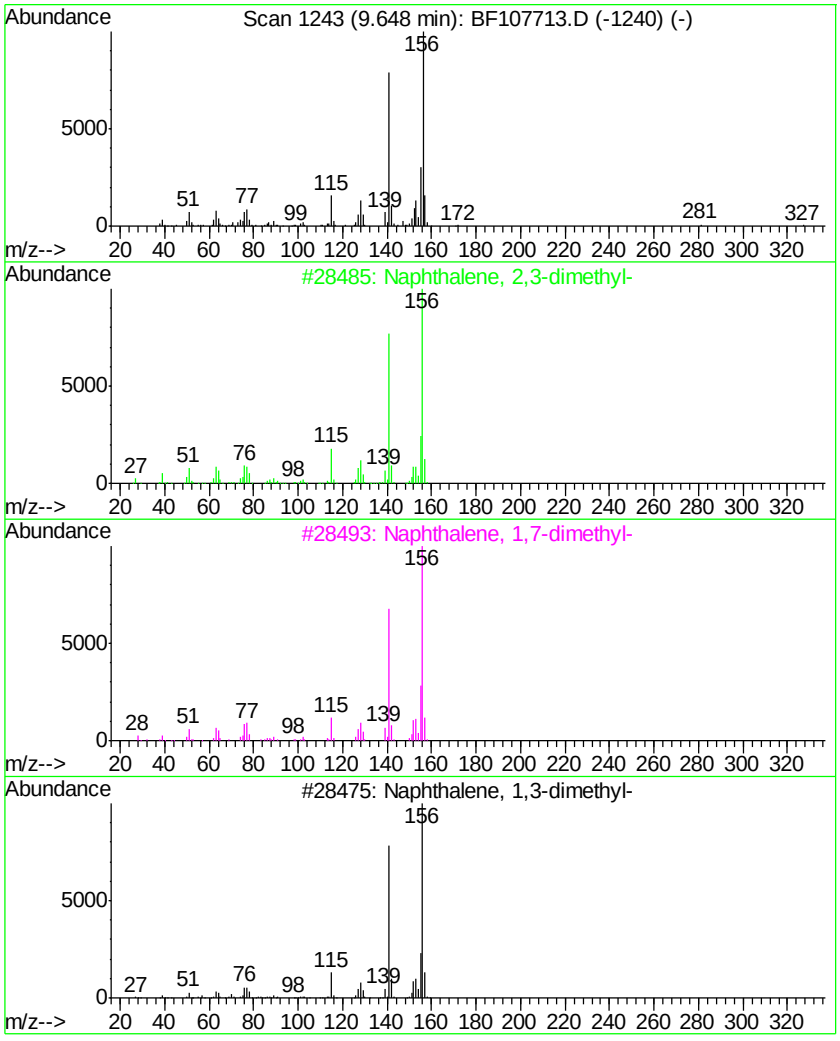
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

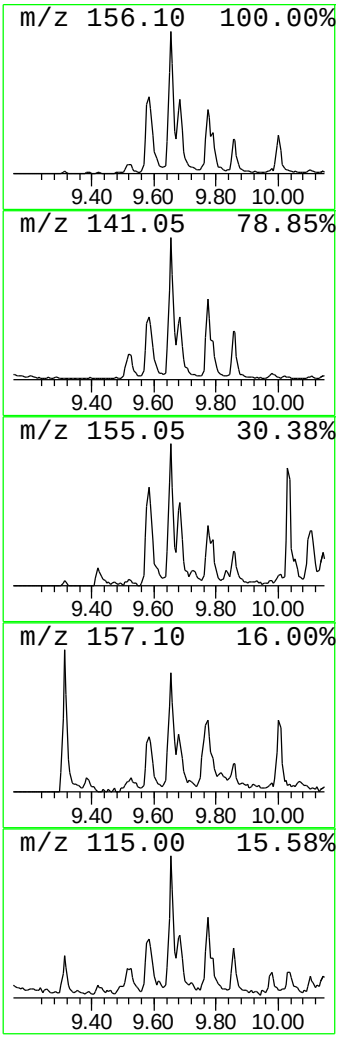
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	4.96 ng	392913	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107713.D
Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

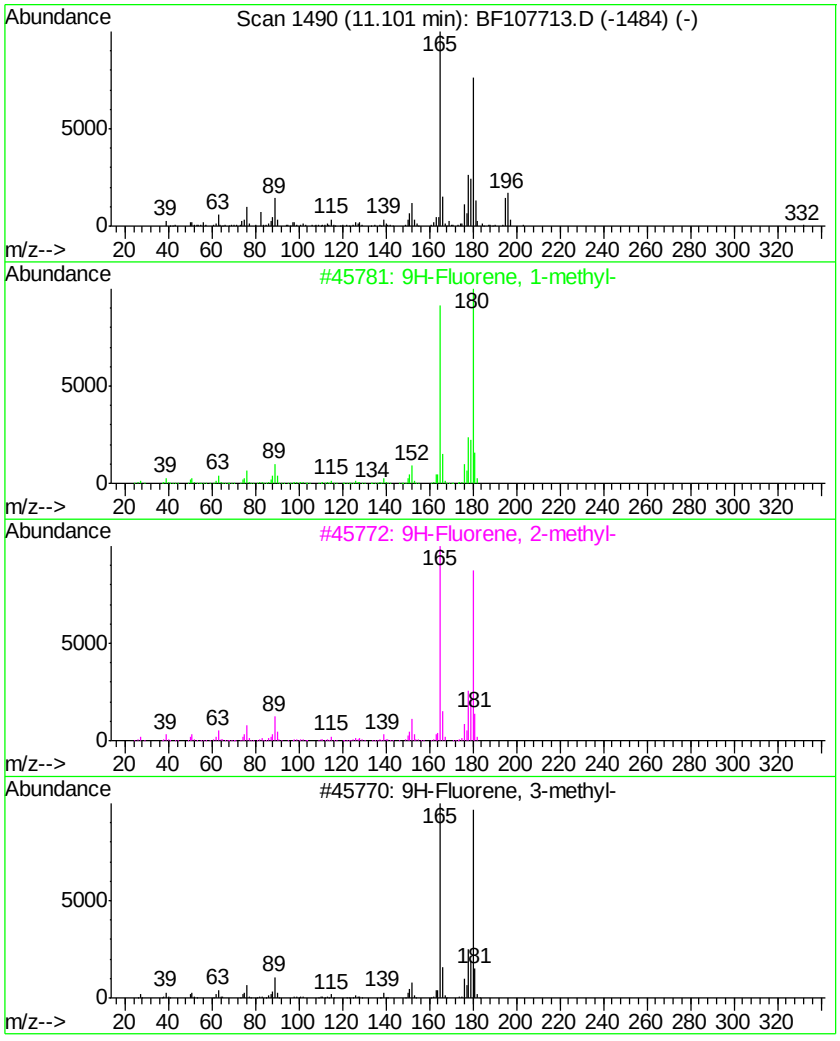
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

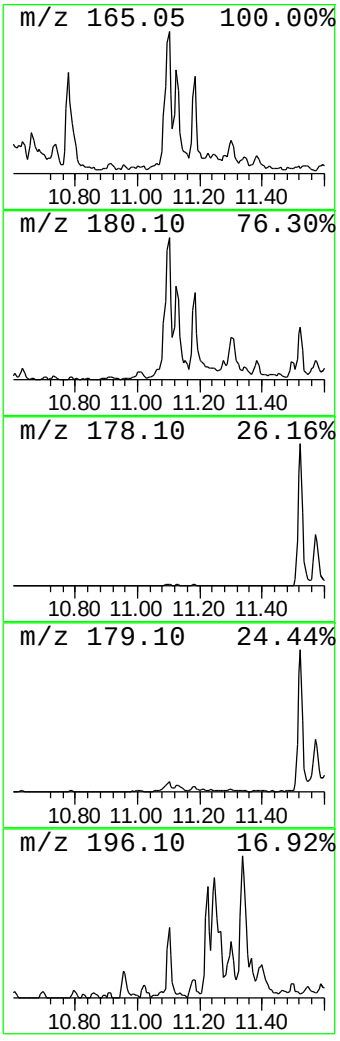
****

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	4.79 ng	344915	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	98
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





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Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

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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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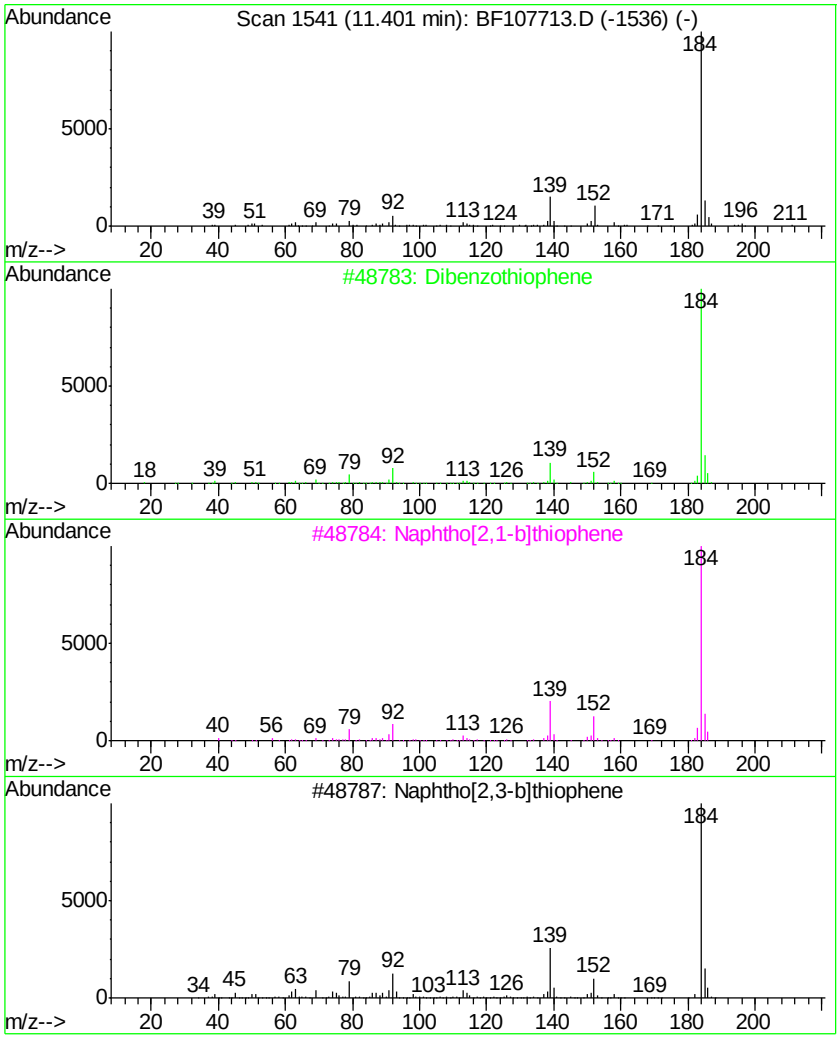
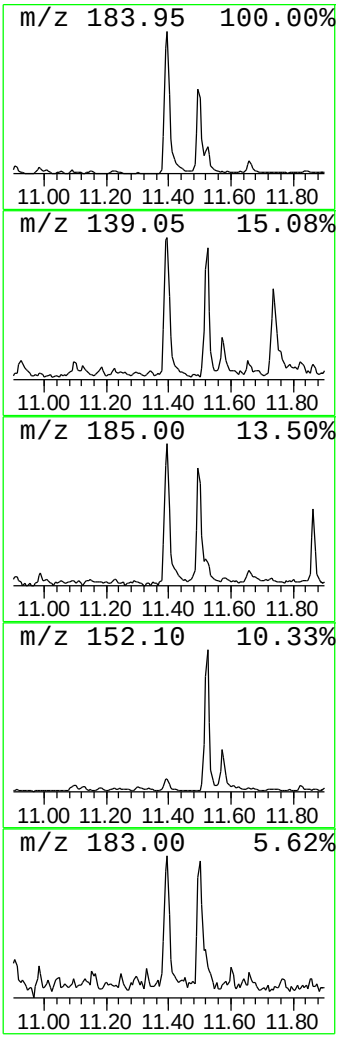
Peak Number 7 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	6.40 ng	460443	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : SB-12(8-10)

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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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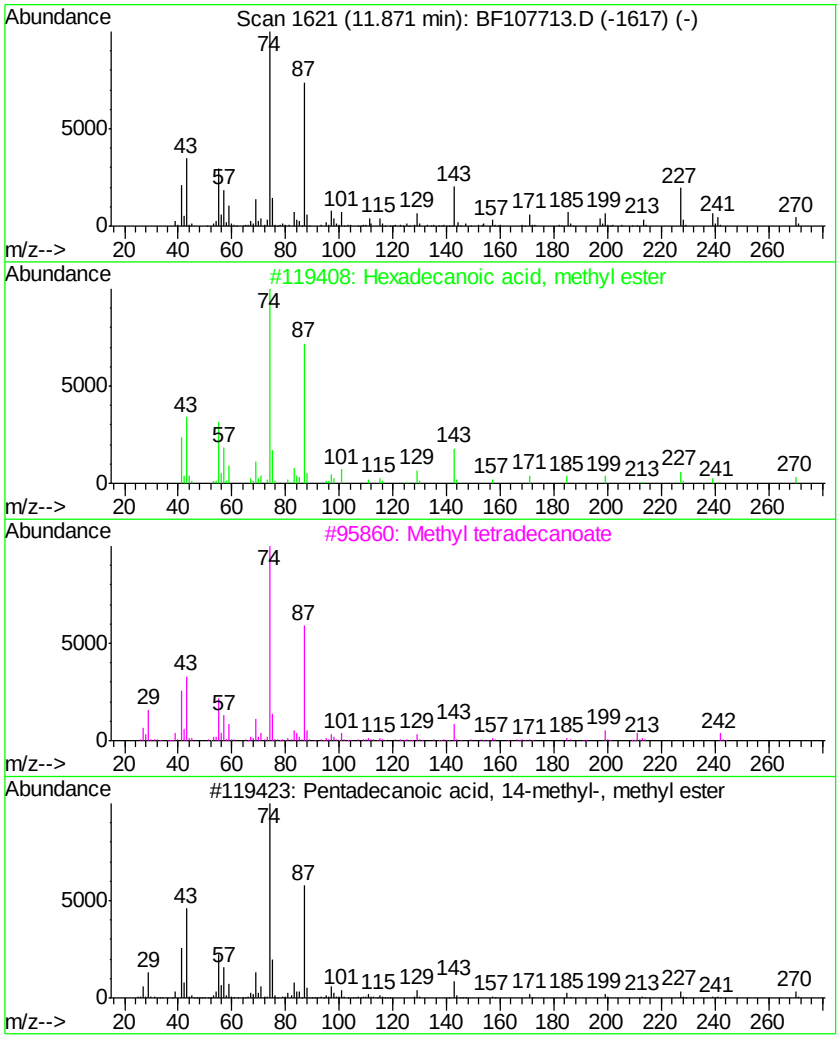
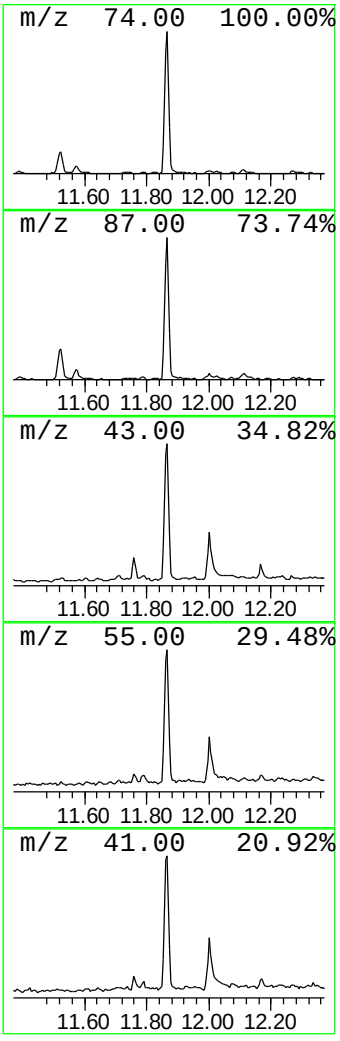
Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	11.81 ng	849771	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	91
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
5	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	80





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

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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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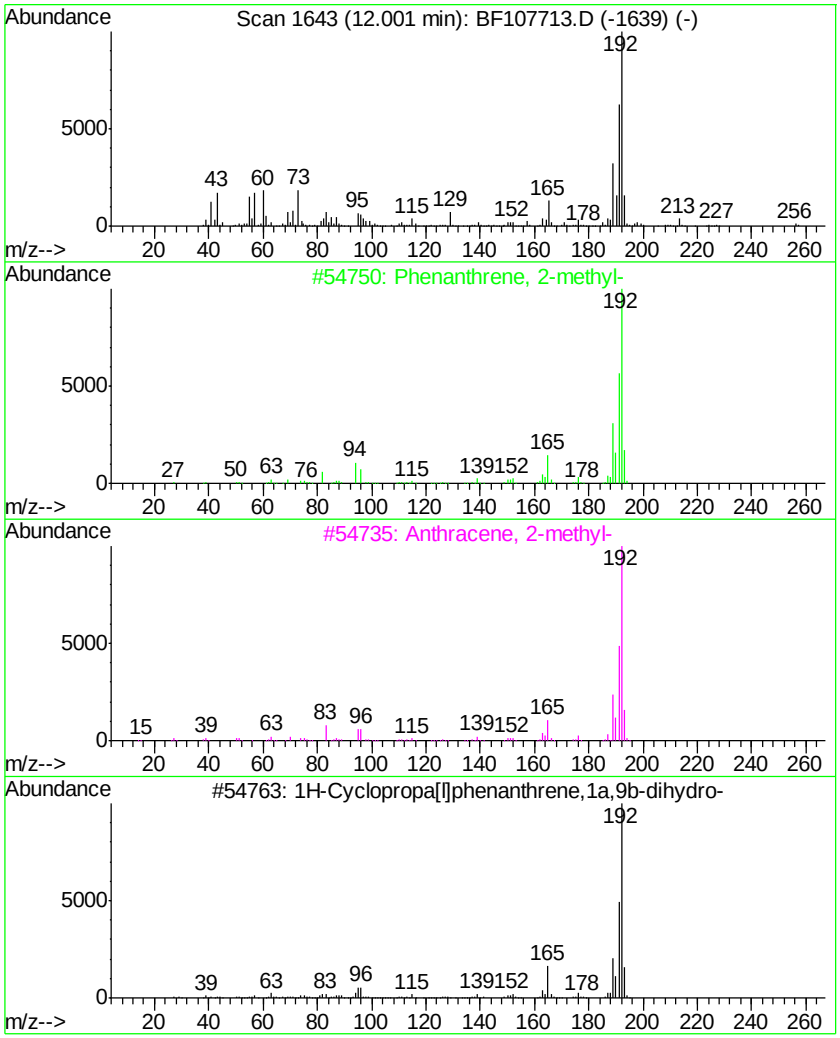
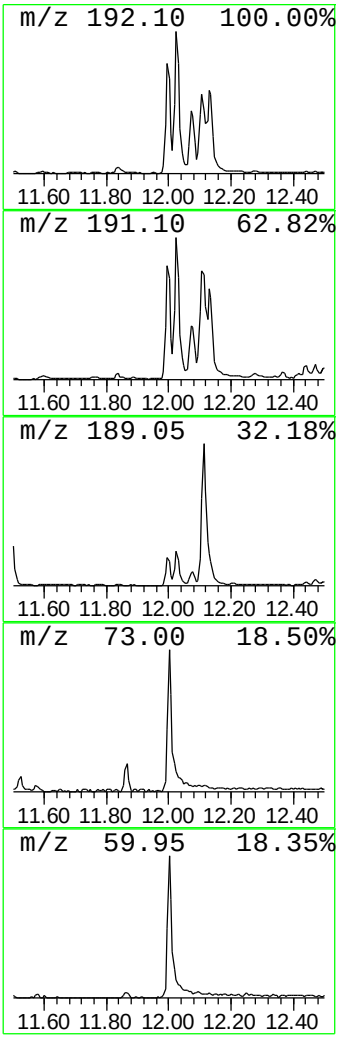
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	11.62 ng	836544	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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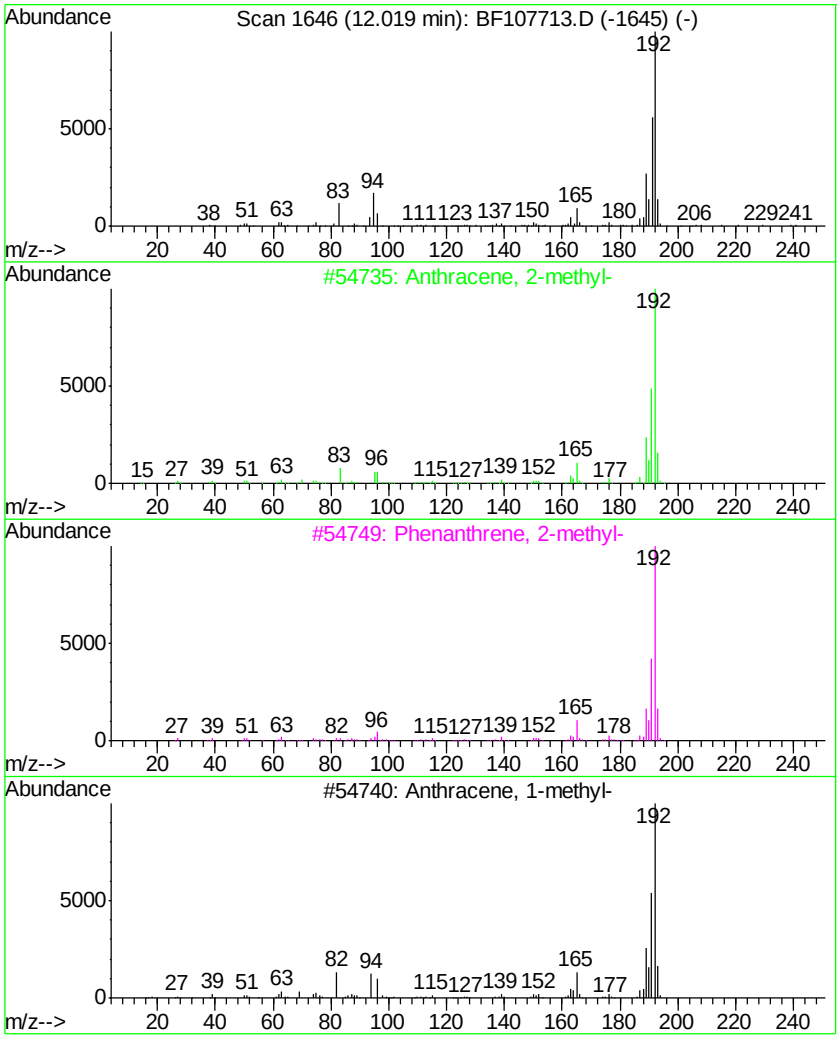
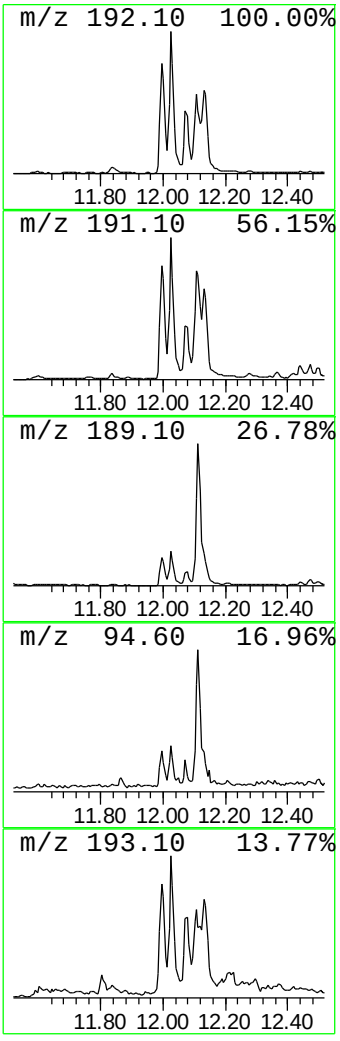
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	8.48 ng	610114	Phenanthrene-d10	11.49

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, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Operator : JU/SJ
Sample : J4109-04
Misc :
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ClientSampleId : SB-12(8-10)

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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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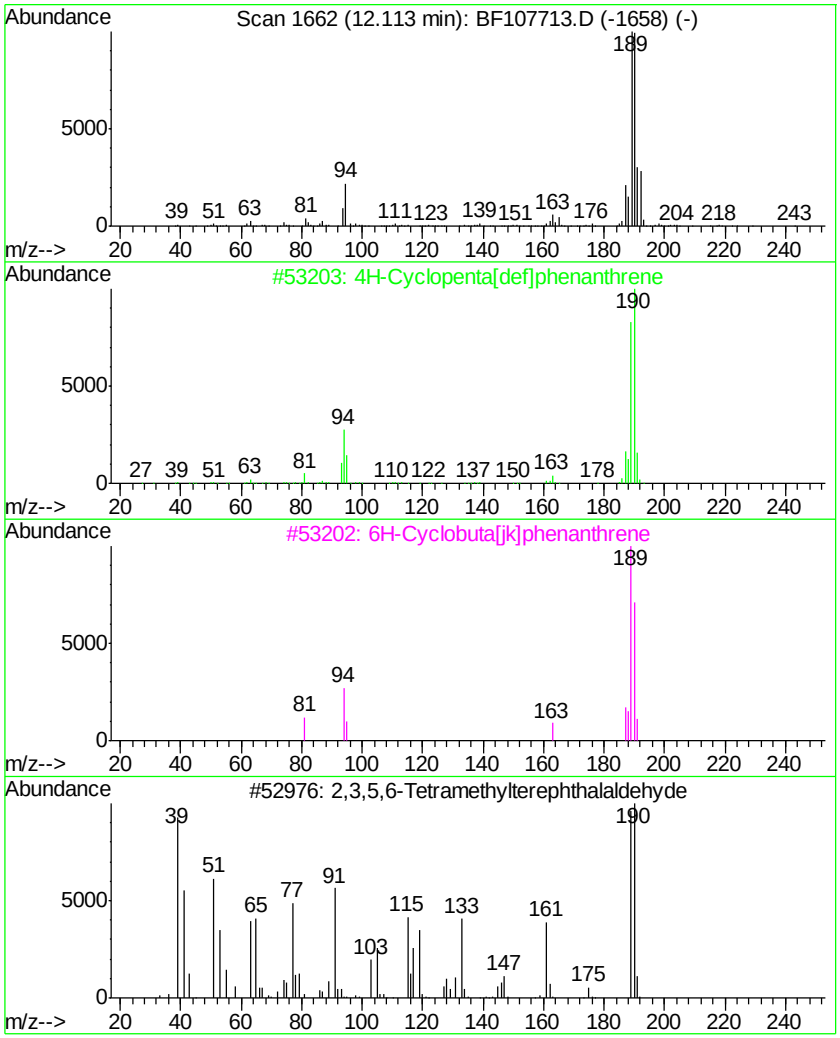
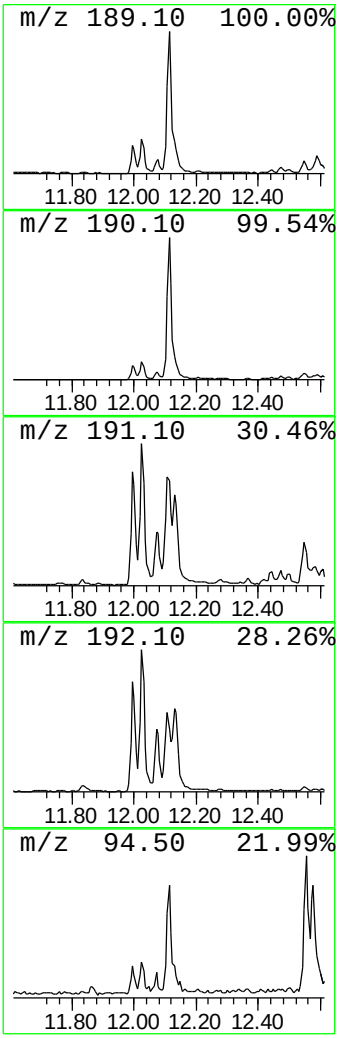
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	15.16 ng	1091210	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	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





Library Search Compound Report

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Sample : J4109-04
Misc :
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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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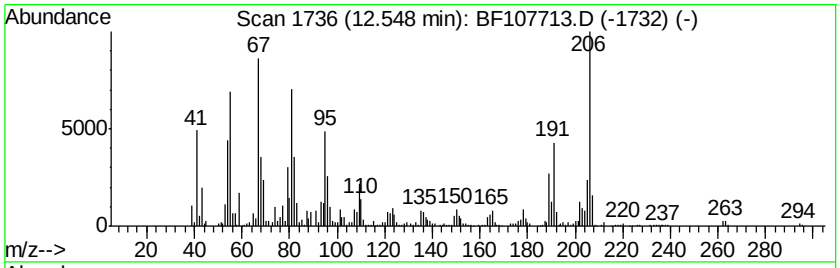
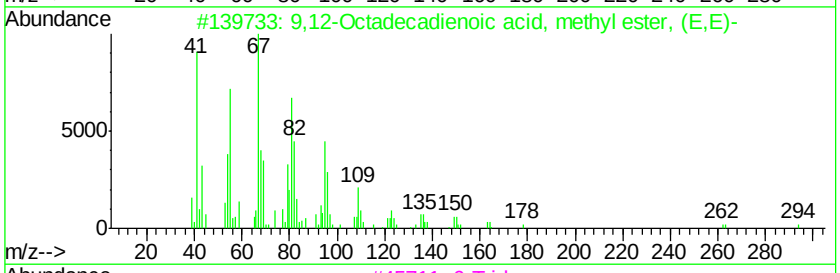
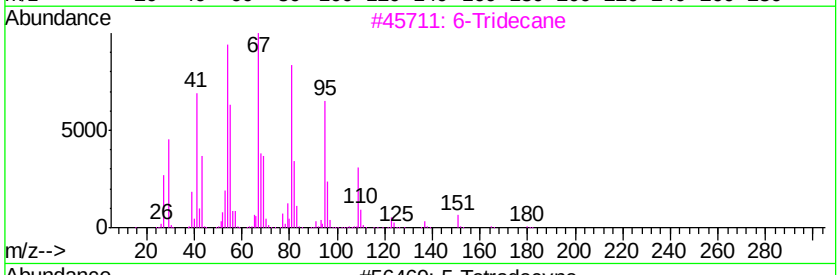
Peak Number 12 9,12-Octadecadienoic acid, ... Concentration Rank 4

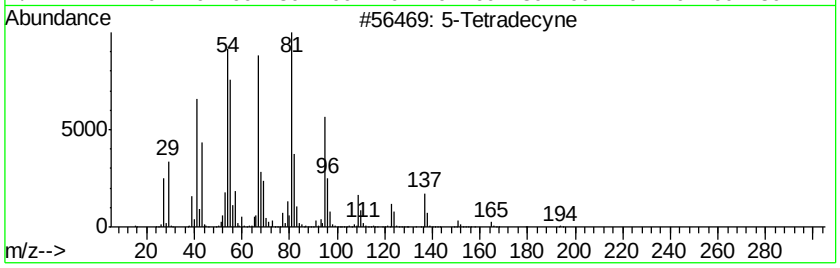
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	19.44 ng	1399530	Phenanthrene-d10	11.49

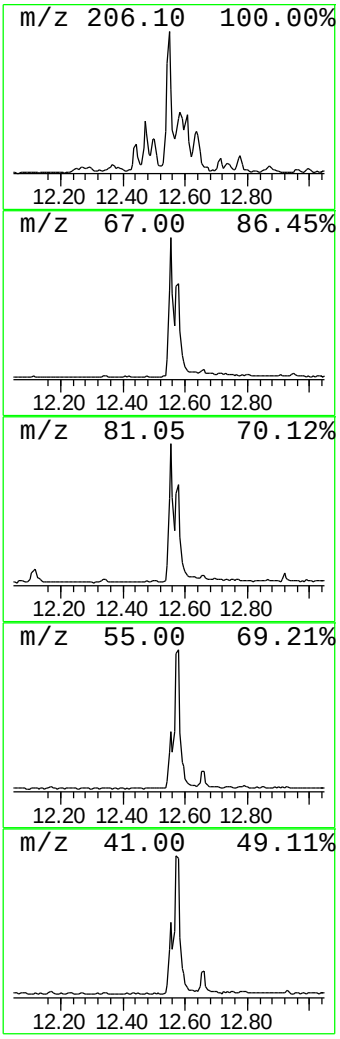
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	97
2	6-Tridecane	180	C13H24	042371-66-4	90
3	5-Tetradecyne	194	C14H26	060212-34-2	70
4	2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	70
5	5-Dodecyne	166	C12H22	019780-12-2	64











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Sample : J4109-04
Misc :
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Instrument : BNA_F
ClientSampleId : SB-12(8-10)

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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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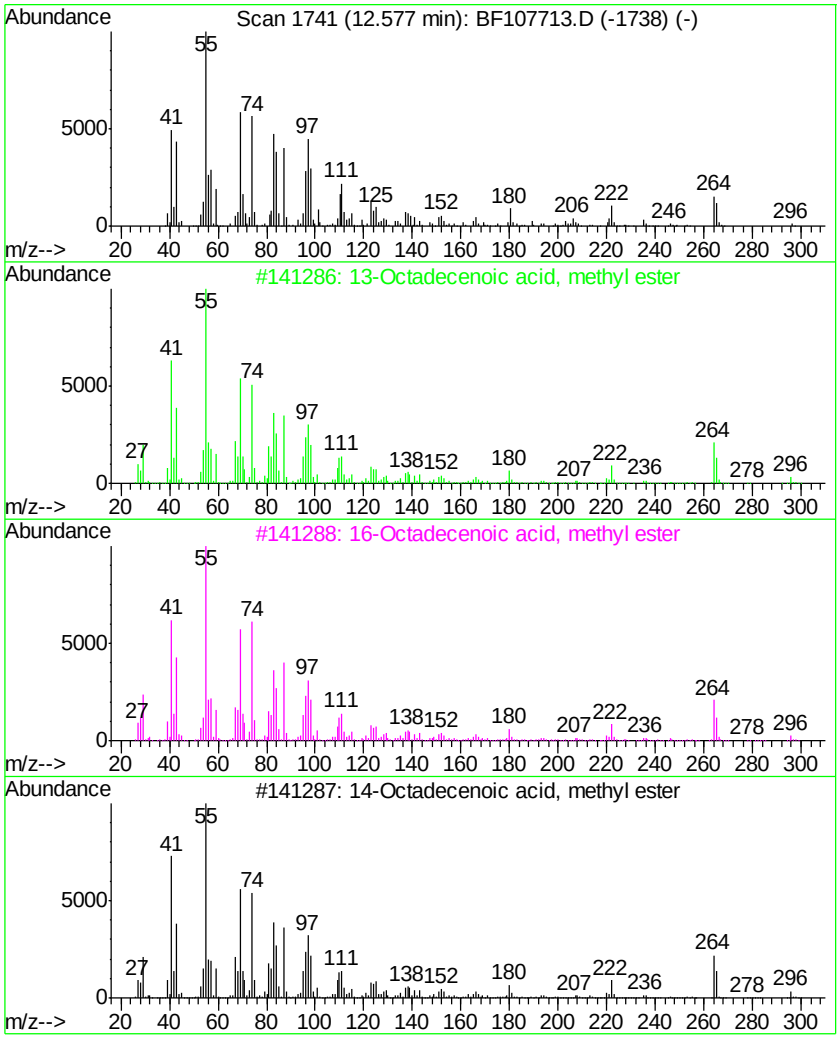
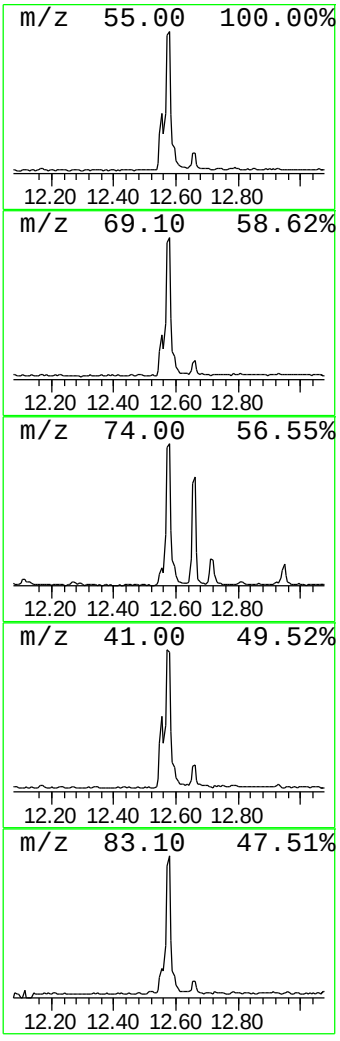
Peak Number 13 13-Octadecenoic acid, methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	43.44 ng	3126600	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	96
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	96
3	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	94
4	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
5	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	91





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Sample : J4109-04
Misc :
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Instrument : BNA_F
ClientSampleId : SB-12(8-10)

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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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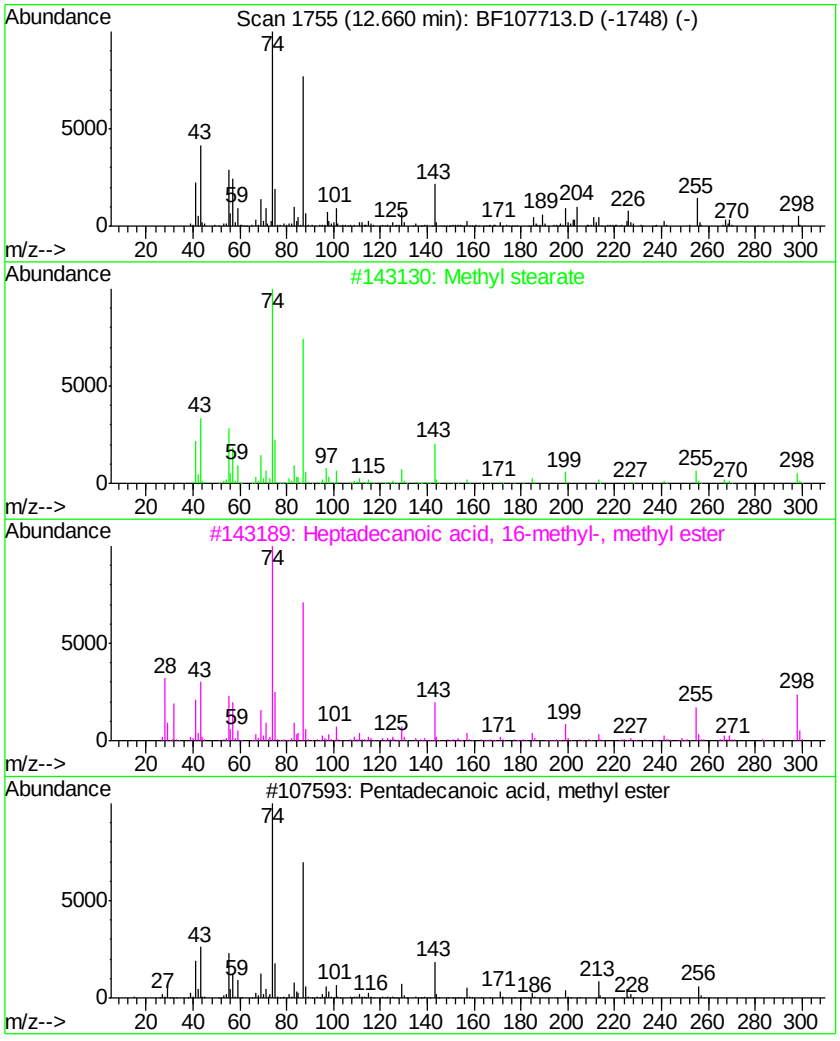
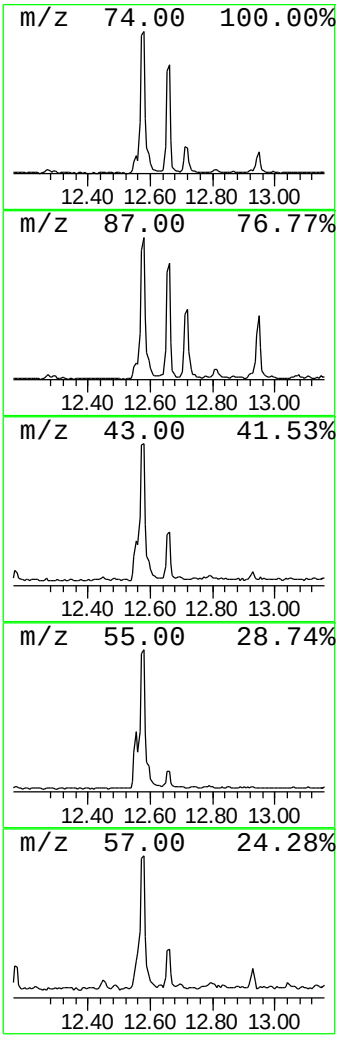
Peak Number 14 Methyl stearate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	9.80 ng	705404	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	93
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	91
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	83
5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	83





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

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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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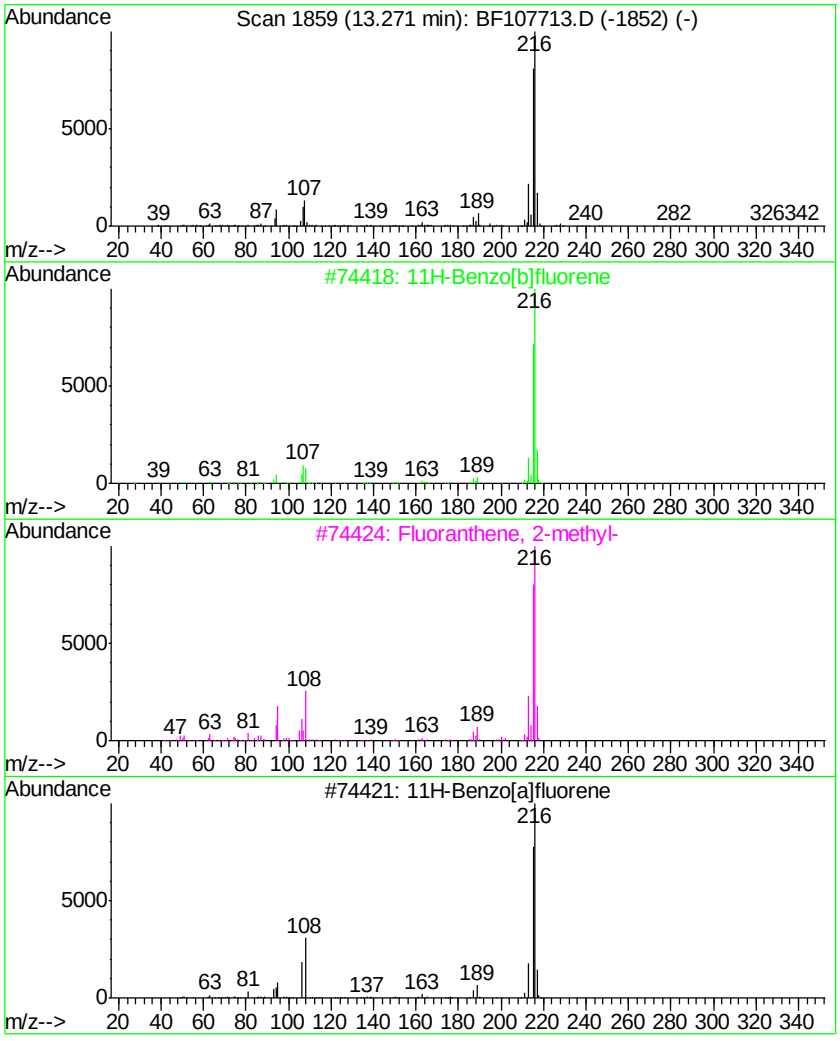
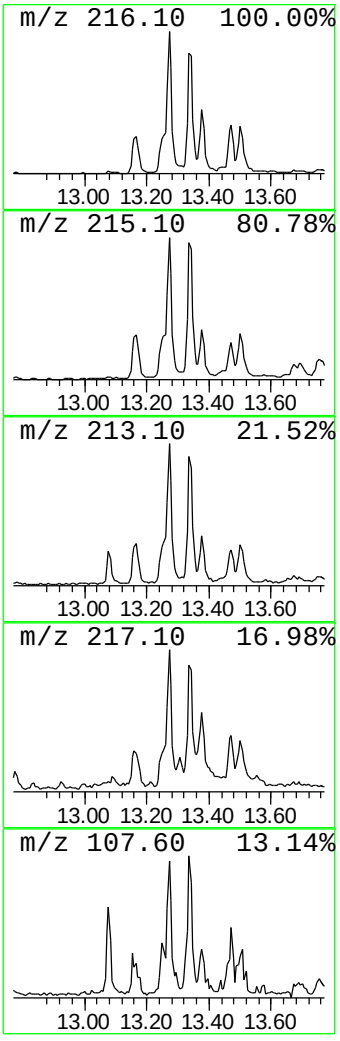
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	6.47 ng	918791	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-12(8-10)

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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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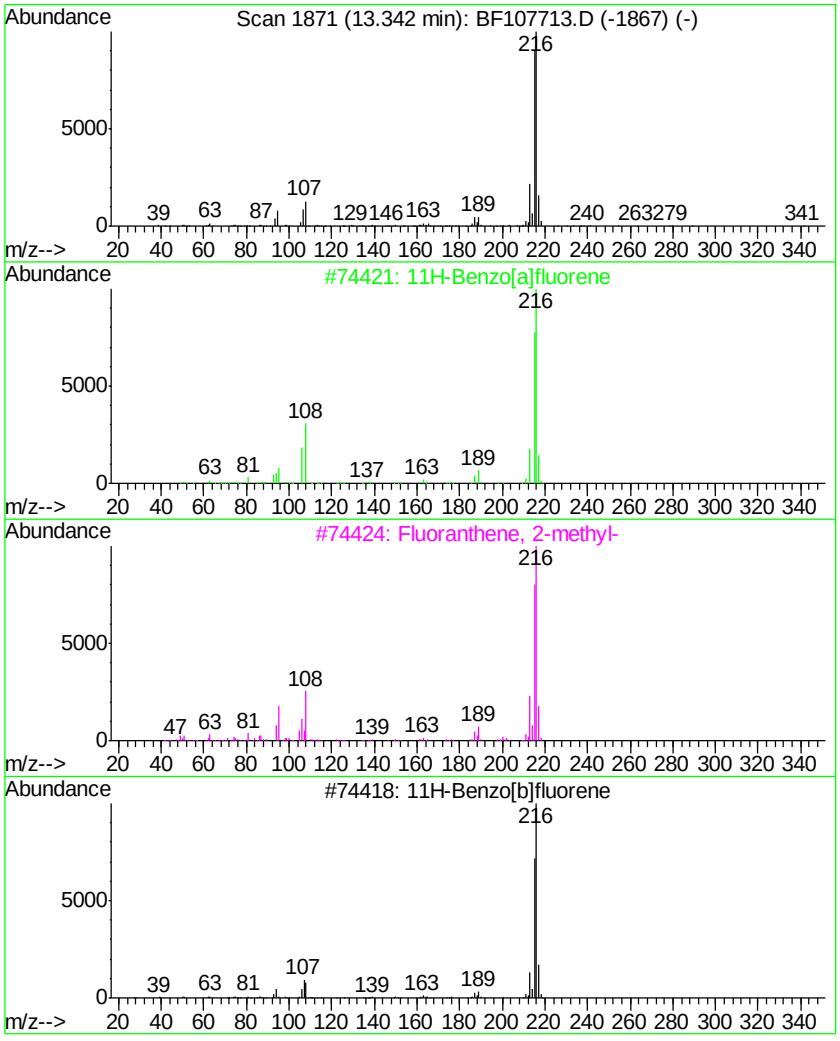
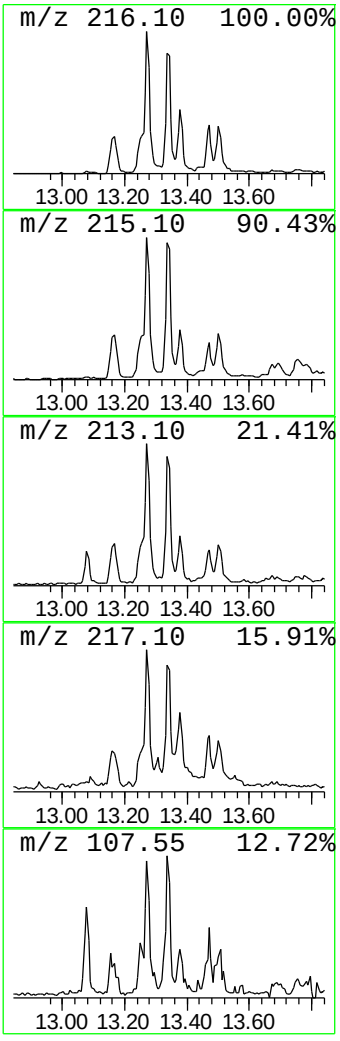
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	4.60 ng	653779	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58





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Misc :
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ClientSampleId : SB-12(8-10)

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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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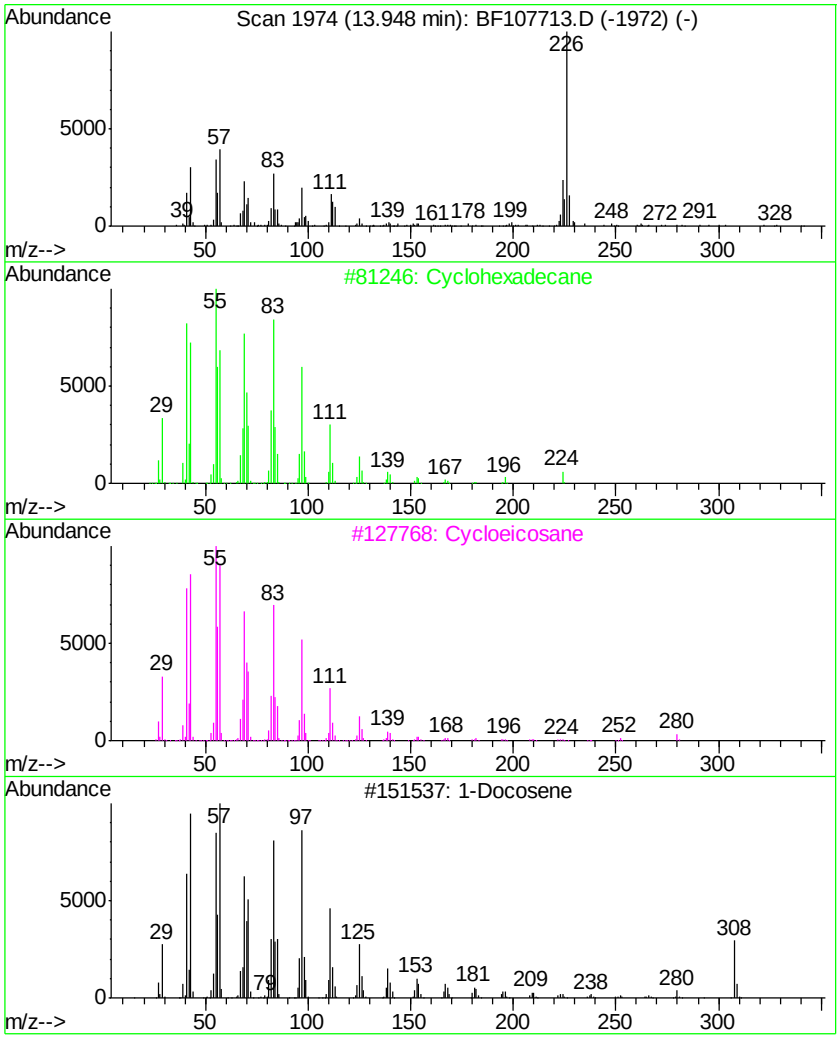
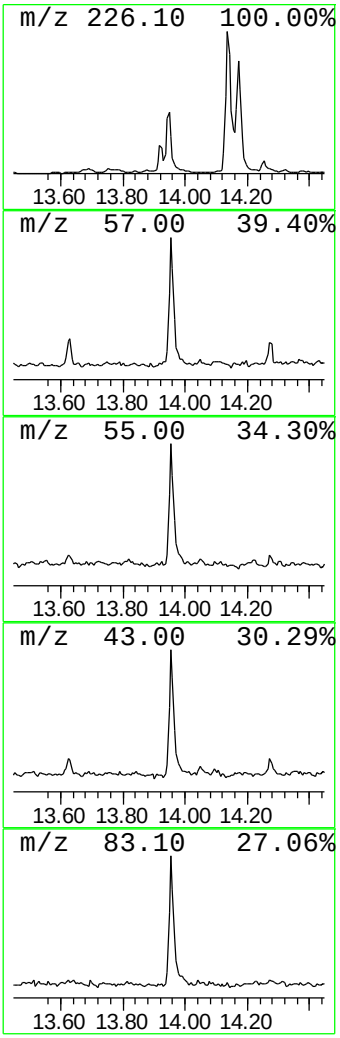
Peak Number 18 Cyclohexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	5.27 ng	748843	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	95
2	Cycloeicosane	280	C20H40	000296-56-0	95
3	1-Docosene	308	C22H44	001599-67-3	92
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	89
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	86





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Data File : BF107713.D
Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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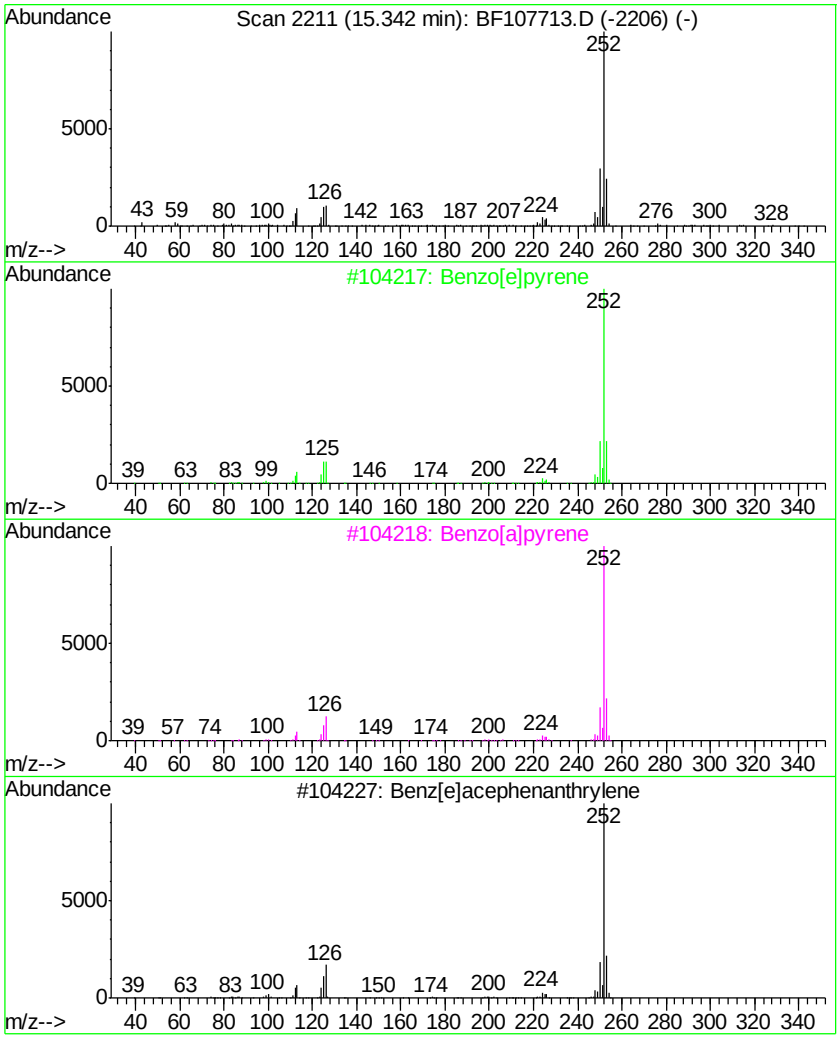
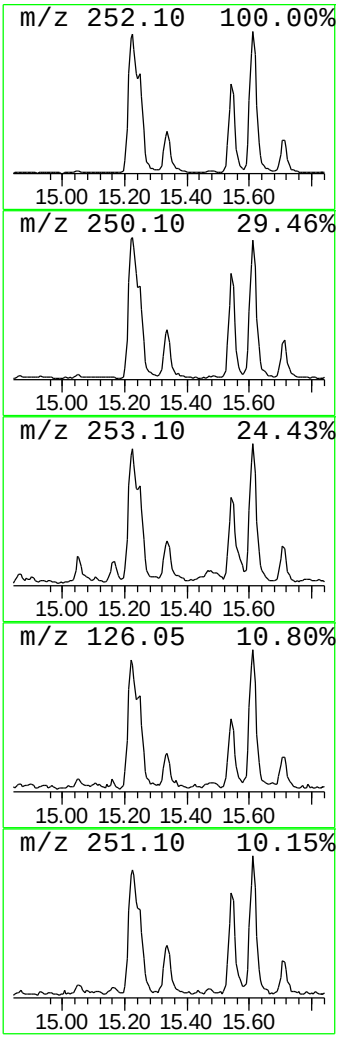
Peak Number 19 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	7.03 ng	343975	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107713.D
Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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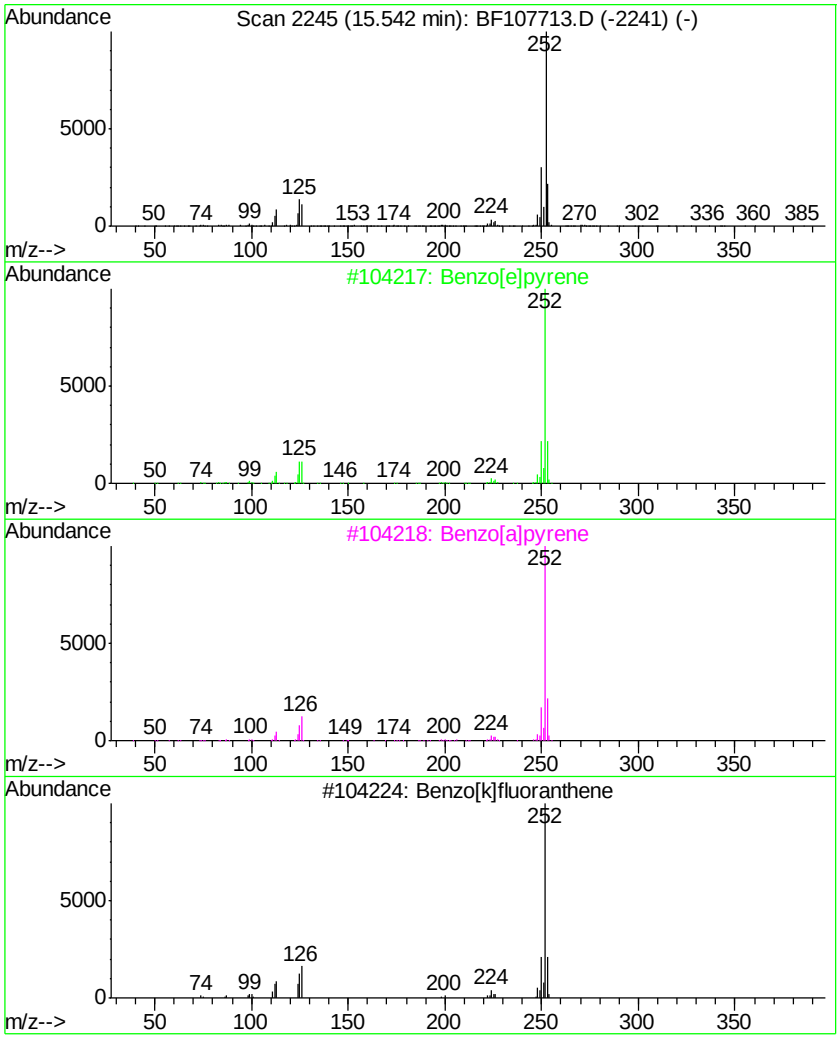
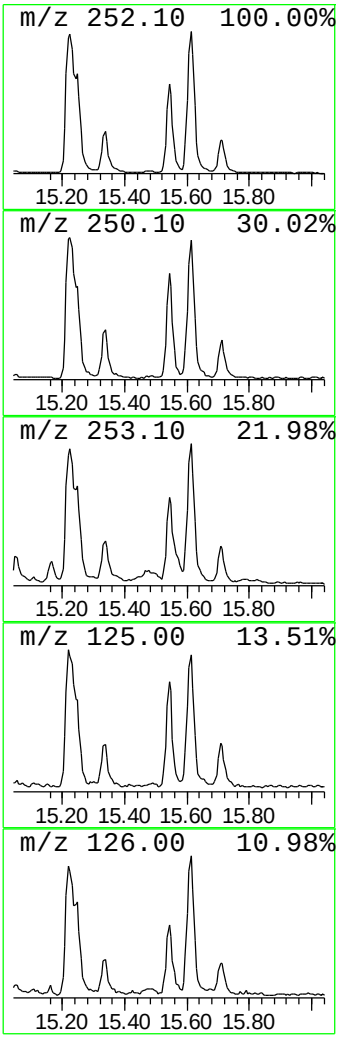
Peak Number 20 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	15.82 ng	773972	Perylene-d12	15.68

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107713.D
Acq On : 26 Jul 2018 21:21
Operator : JU/SJ
Sample : J4109-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12(8-10)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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...	5.20	10.5	ng	531579	1	6.97	1016240	20.0
unknown6.74	6.74	77.0	ng	3910750	1	6.97	1016240	20.0
Naphthalene, 1-me...	9.05	10.9	ng	755697	2	8.24	1393510	20.0
Naphthalene, 2,3-...	9.65	5.0	ng	392913	3	10.00	1585560	20.0
9H-Fluorene, 1-me...	11.10	4.8	ng	344915	4	11.49	1439590	20.0
Dibenzothiophene	11.40	6.4	ng	460443	4	11.49	1439590	20.0
Hexadecanoic acid...	11.87	11.8	ng	849771	4	11.49	1439590	20.0
Phenanthrene, 2-m...	12.00	11.6	ng	836544	4	11.49	1439590	20.0
Anthracene, 2-met...	12.02	8.5	ng	610114	4	11.49	1439590	20.0
4H-Cyclopenta[def...	12.11	15.2	ng	1091210	4	11.49	1439590	20.0
9,12-Octadecadien...	12.55	19.4	ng	1399530	4	11.49	1439590	20.0
13-Octadecenoic a...	12.58	43.4	ng	3126600	4	11.49	1439590	20.0
Methyl stearate	12.66	9.8	ng	705404	4	11.49	1439590	20.0
11H-Benzo[b]fluorene	13.27	6.5	ng	918791	5	14.15	2839690	20.0
11H-Benzo[a]fluorene	13.34	4.6	ng	653779	5	14.15	2839690	20.0
Cyclohexadecane	13.95	5.3	ng	748843	5	14.15	2839690	20.0
Benzo[e]pyrene	15.34	7.0	ng	343975	6	15.68	978580	20.0
Perylene	15.54	15.8	ng	773972	6	15.68	978580	20.0