LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107448.D
Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

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-BF071618.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	5.207	484	488	492	rBV	187788	178668	3.18%	0.253%
2	5.601	551	555	559	rBV	1489815	1422305	25.29%	2.011%
3	6.607	722	726	729	rBV	1716616	1439755	25.60%	2.035%
4	6.754	747	751	754	rVB	1887639	1529297	27.19%	2.162%
5	6.984	786	790	794	rVB	1168092	935500	16.63%	1.322%
6	7.142	813	817	820	rVB	1337760	1207061	21.46%	1.706%
7	7.542	881	885	888	rBV	1179602	959988	17.07%	1.357%
8	8.266	1005	1008	1011	rBV	1364645	1152970	20.50%	1.630%
9	8.289	1011	1012	1014	rVB	124677	63709	1.13%	0.090%
10	8.766	1091	1093	1097	rBV5	58587	68938	1.23%	0.097%
11	8.983	1127	1130	1132	rVB	198042	166308	2.96%	0.235%
12	9.083	1142	1147	1150	rBV2	249593	261002	4.64%	0.369%
13	9.207	1165	1168	1171	rBV4	60808	58328	1.04%	0.082%
14	9.342	1187	1191	1194	rBV	2151116	1765958	31.40%	2.496%
15	9.413	1200	1203	1206	rBV3	94833	95792	1.70%	0.135%
16	9.448	1206	1209	1212	rBV2	334413	281334	5.00%	0.398%
17	9.489	1214	1216	1219	rVB3	83741	67655	1.20%	0.096%
18	9.536	1222	1224	1230	rVB6	60991	74276	1.32%	0.105%
19	9.601	1232	1235	1241	rVB3	234347	301259	5.36%	0.426%
20	9.654	1241	1244	1246	rBV4	52666	73185	1.30%	0.103%
21	9.683	1246	1249	1251	rBV	282288	273293	4.86%	0.386%
22	9.707	1251	1253	1255	rVV	162516	125029	2.22%	0.177%
23	9.730	1255	1257	1262	rVB	355062	293543	5.22%	0.415%
24	9.801	1265	1269	1271	rBV3	188353	185353	3.30%	0.262%
25	9.889	1281	1284	1287	rBV	333518	328575	5.84%	0.464%
26	9.942	1290	1293	1297	rVB3	142295	135252	2.40%	0.191%
27	10.007	1302	1304	1305	rBV2	77439	69626	1.24%	0.098%
28	10.030	1305	1308	1311	rVV	1458328	1270965	22.60%	1.797%
29	10.060	1311	1313	1316	rVB	483337	361563	6.43%	0.511%
30	10.130	1321	1325	1329	rBV4	91318	133638	2.38%	0.189%
31	10.230	1338	1342	1345	rVB2	552240	493420	8.77%	0.698%
32	10.266	1345	1348	1352	rVB3	206423	198070	3.52%	0.280%
33	10.342	1357	1361	1364	rBV2	206128	239126	4.25%	0.338%
34	10.372	1364	1366	1372	rVB3	147608	142363	2.53%	0.201%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

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-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.442	1372	1378	1382	rBV2	293642	383256	6.81%	0.542%
36	10.525	1390	1392	1394	rVB2	116527	73554	1.31%	0.104%
37	10.578	1397	1401	1407	rVB	674570	725814	12.91%	1.026%
38	10.625	1407	1409	1411	rBV3	75908	71745	1.28%	0.101%
39	10.660	1411	1415	1418	rVV3	243304	337196	6.00%	0.477%
40	10.730	1422	1427	1431	rBV2	213652	298645	5.31%	0.422%
41	10.819	1438	1442	1446	rBV	1357597	1279473	22.75%	1.809%
42	10.919	1456	1459	1460	rBV	289479	262817	4.67%	0.372%
43	11.125	1489	1494	1496	rBV4	208668	292928	5.21%	0.414%
44	11.207	1505	1508	1512	rVB5	139204	153164	2.72%	0.217%
45	11.254	1512	1516	1517	rBV4	127392	169413	3.01%	0.239%
46	11.277	1518	1520	1524	rVV4	148803	181278	3.22%	0.256%
47	11.325	1525	1528	1531	rVV	336364	305704	5.44%	0.432%
48	11.366	1532	1535	1538	rVV	410683	378206	6.72%	0.535%
49	11.395	1538	1540	1542	rVV2	211877	214035	3.81%	0.303%
50	11.419	1542	1544	1548	rVB	367544	301576	5.36%	0.426%
51	11.525	1558	1562	1564	rBV	1427300	1451010	25.80%	2.051%
52	11.554	1564	1567	1570	rVV	3577003	3293707	58.56%	4.656%
53	11.601	1570	1575	1577	rVV	1213632	1019278	18.12%	1.441%
54	11.624	1577	1579	1586	rVB7	101716	176153	3.13%	0.249%
55	11.677	1586	1588	1594	rBV6	82134	153143	2.72%	0.216%
56	11.748	1598	1600	1606	rVV2	184723	185890	3.31%	0.263%
57	11.795	1606	1608	1610	rBV	265738	182818	3.25%	0.258%
58	11.854	1615	1618	1621	rVB2	232310	221113	3.93%	0.313%
59	11.895	1622	1625	1629	rVB	1721547	1451911	25.82%	2.052%
60	12.024	1644	1647	1649	rBV	739395	792510	14.09%	1.120%
61	12.054	1649	1652	1655	rVV	994013	971420	17.27%	1.373%
62	12.101	1657	1660	1662	rVV	346760	309314	5.50%	0.437%
63	12.136	1663	1666	1669	rVV2	799131	1006086	17.89%	1.422%
64	12.160	1669	1670	1674	rVB	487442	274205	4.88%	0.388%
65	12.201	1674	1677	1680	rBV	280087	253715	4.51%	0.359%
66	12.319	1694	1697	1699	rBV	405436	326715	5.81%	0.462%
67	12.348	1699	1702	1706	rVB3	277254	270689	4.81%	0.383%
68	12.466	1720	1722	1724	rBV2	116036	81918	1.46%	0.116%
69	12.501	1725	1728	1730	rVB2	138478	119165	2.12%	0.168%
70	12.524	1730	1732	1734	rVB	173493	114406	2.03%	0.162%
71	12.589	1737	1743	1745	rBV2	4960721	5624229	100.00%	7.951%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

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-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.613	1745	1747	1753	rVB2	5488727	4913809	87.37%	6.946%
73	12.666	1753	1756	1758	rBV	366902	361079	6.42%	0.510%
74	12.689	1758	1760	1765	rVB	987147	937912	16.68%	1.326%
75	12.748	1765	1770	1773	rBV	3845818	4073600	72.43%	5.759%
76	12.895	1793	1795	1797	rVB	167671	124439	2.21%	0.176%
77	12.977	1803	1809	1813	rVB2	2956700	3838045	68.24%	5.426%
78	13.019	1813	1816	1820	rVB2	257109	313906	5.58%	0.444%
79	13.107	1825	1831	1834	rBV2	1934524	1868053	33.21%	2.641%
80	13.130	1834	1835	1838	rVB2	197134	160296	2.85%	0.227%
81	13.183	1840	1844	1850	rBV4	358550	706874	12.57%	0.999%
82	13.301	1857	1864	1866	rVB	581340	998200	17.75%	1.411%
83	13.324	1866	1868	1869	rBV	183763	130545	2.32%	0.185%
84	13.366	1873	1875	1877	rVB	458558	330657	5.88%	0.467%
85	13.407	1877	1882	1885	rBV2	504483	692917	12.32%	0.980%
86	13.495	1895	1897	1900	rVB	257133	226206	4.02%	0.320%
87	13.530	1900	1903	1905	rBV	288629	311245	5.53%	0.440%
88	13.807	1947	1950	1954	rVB	395260	392644	6.98%	0.555%
89	13.924	1965	1970	1972	rBV2	350814	532937	9.48%	0.753%
90	13.948	1972	1974	1976	rVV	361266	302580	5.38%	0.428%
91	13.977	1976	1979	1984	rVV5	325012	670052	11.91%	0.947%
92	14.018	1984	1986	1989	rVB	332811	281370	5.00%	0.398%
93	14.171	2007	2012	2015	rBV3	2077136	2994353	53.24%	4.233%
94	14.201	2015	2017	2024	rVB	1606532	1516539	26.96%	2.144%
95	14.283	2028	2031	2033	rBV	198766	182832	3.25%	0.258%
96	15.260	2193	2197	2200	rBV	847373	1379021	24.52%	1.949%
97	15.583	2249	2252	2257	rVB	585753	726929	12.92%	1.028%
98	15.648	2260	2263	2268	rBV	760045	982888	17.48%	1.389%
99	15.718	2271	2275	2278	rBV2	552759	727753	12.94%	1.029%

Sum of corrected areas: 70738984

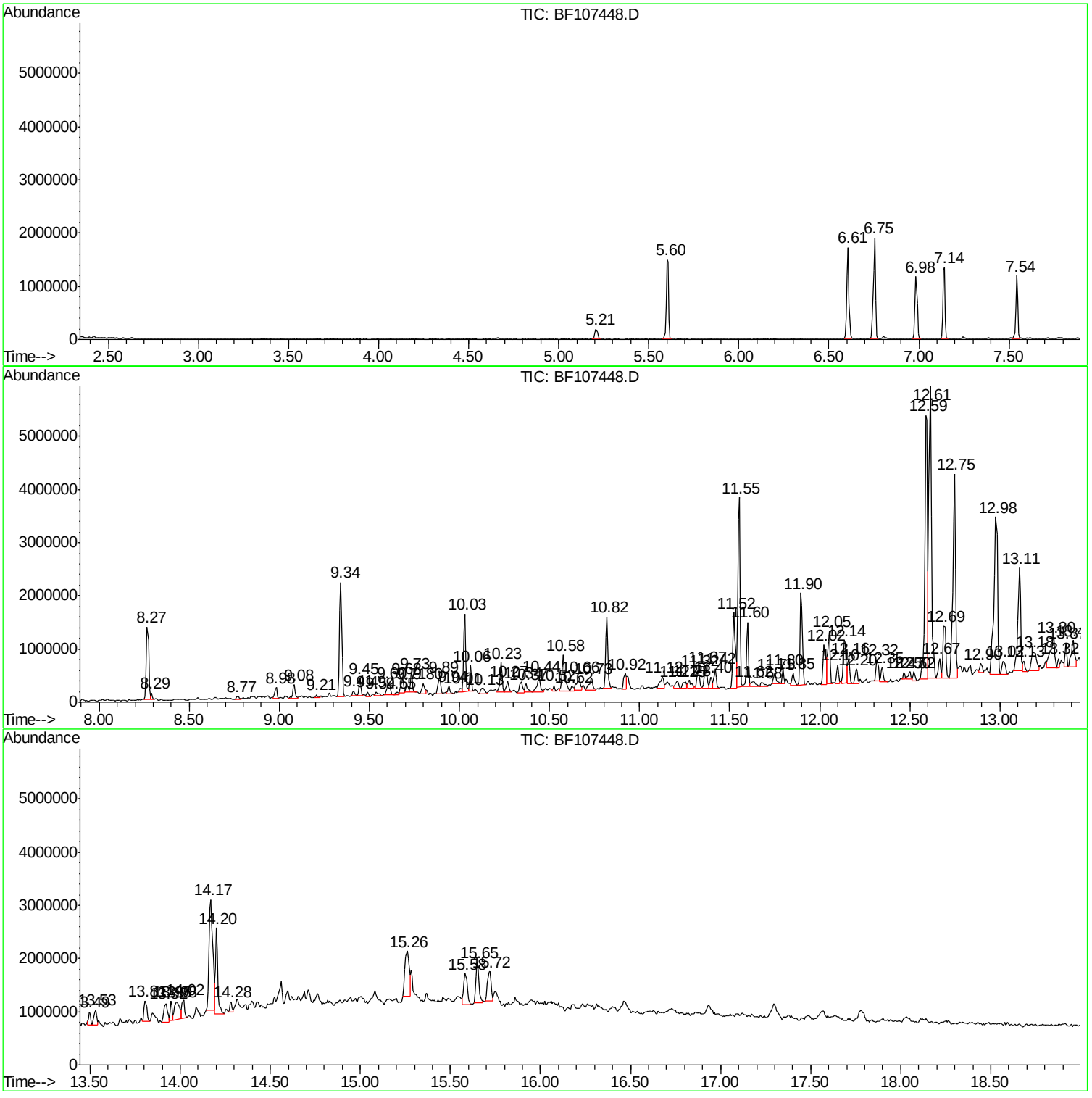
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107448.D
Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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\BF071718\
Data File : BF107448.D
Acq On : 17 Jul 2018 14:43
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

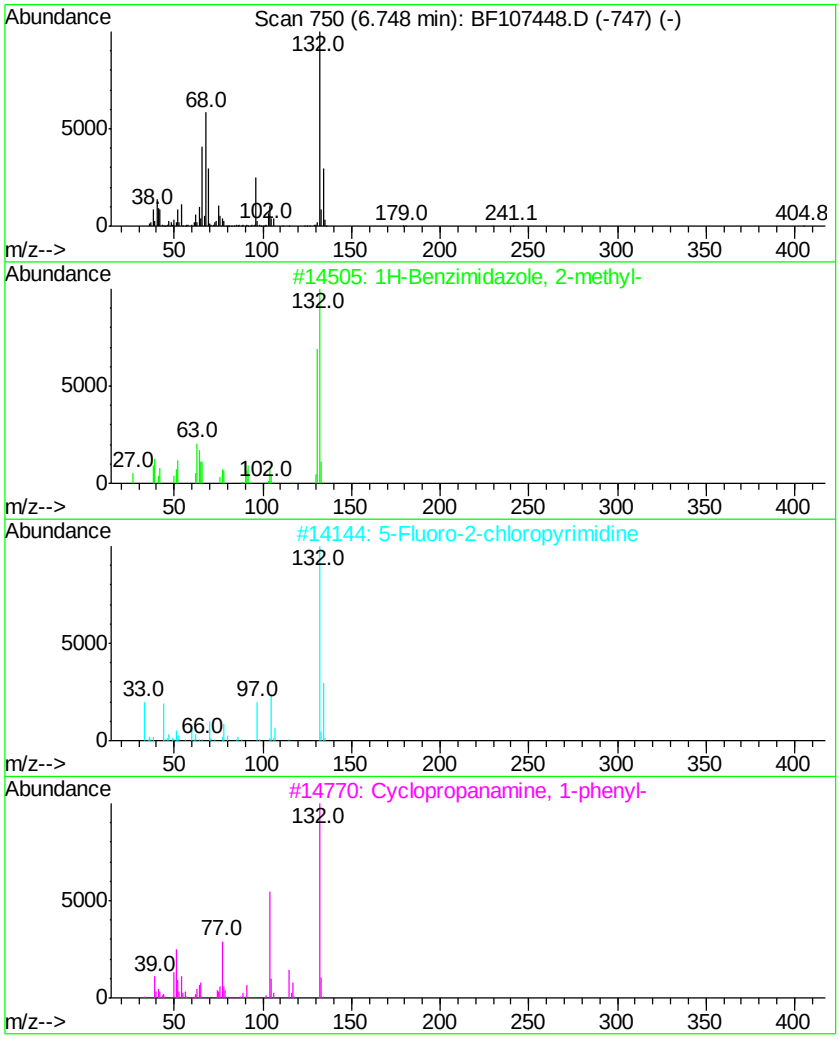
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

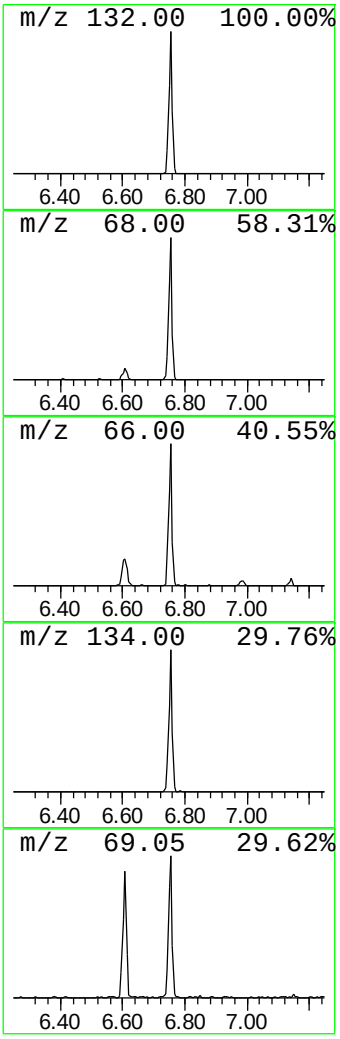
****

Peak Number 1 unknown6.75 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	32.69 ng	1529300	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	14
4	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	13
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
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Misc :
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Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

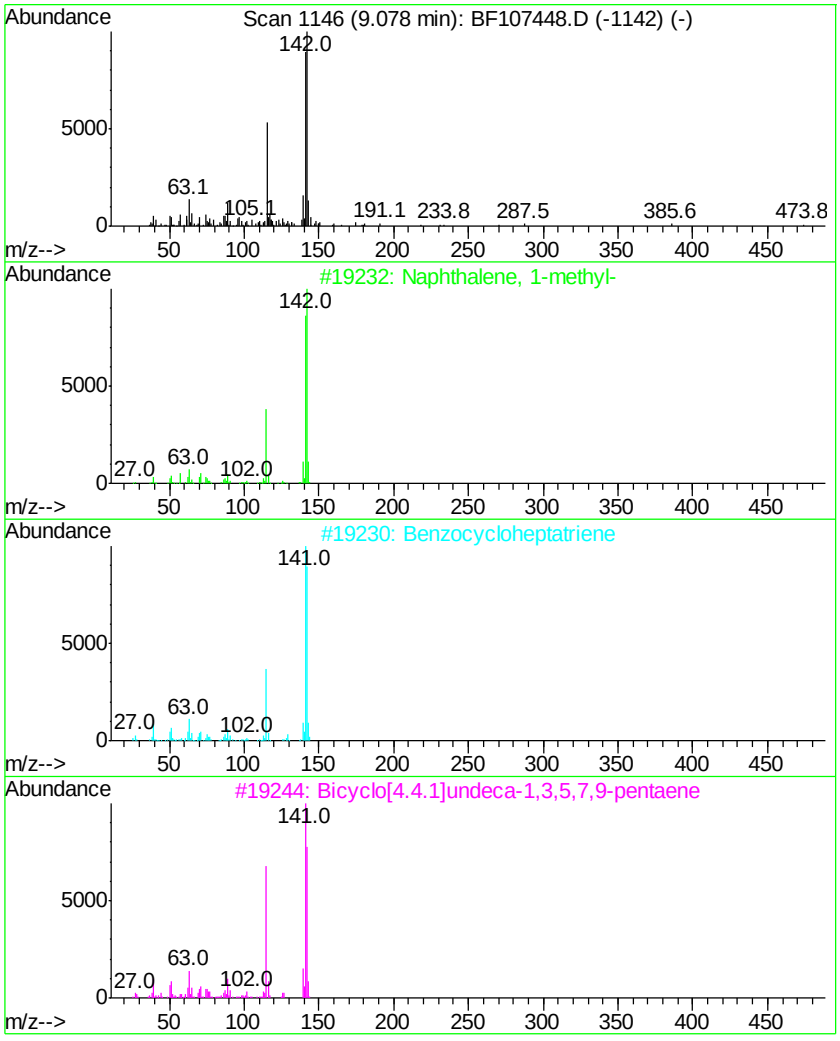
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

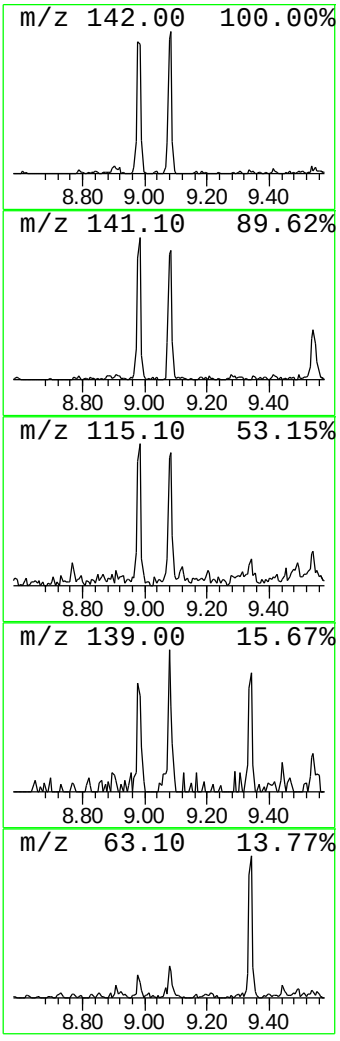
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	4.53 ng	261002	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
2	Benzocycloheptatriene	142	C11H10	000264-09-5	81
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	74
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	64
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	64





Library Search Compound Report

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Acq On : 17 Jul 2018 14:43
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Sample : J3829-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

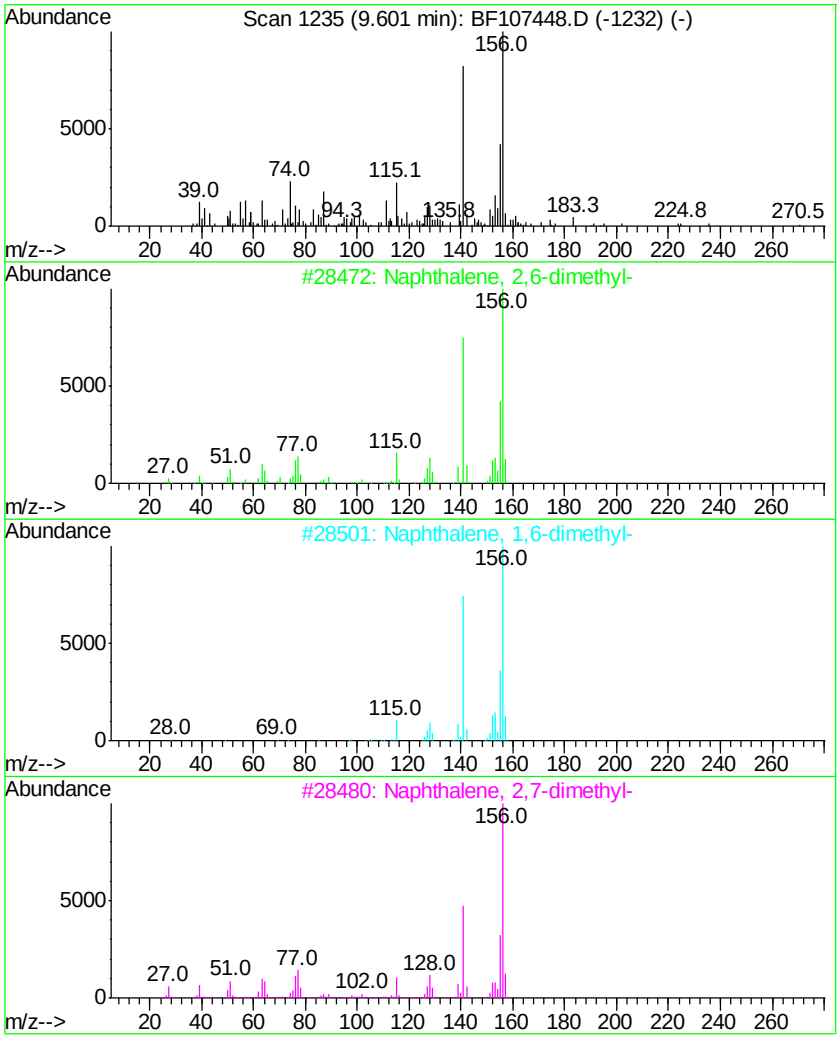
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

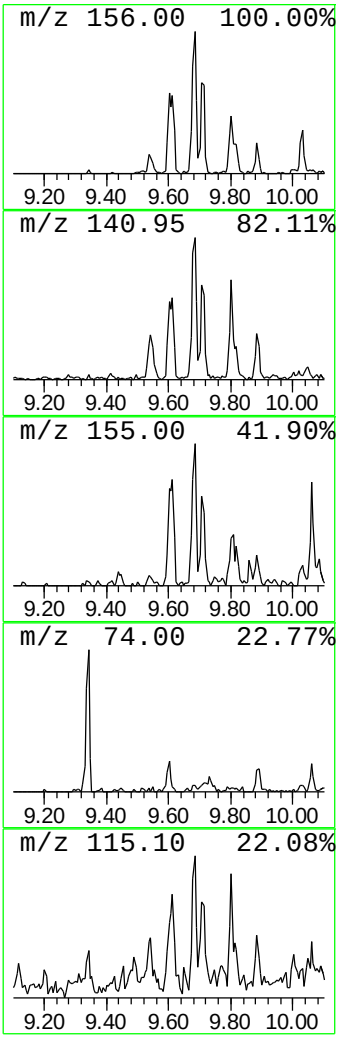
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	4.74 ng	301259	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	90
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	87
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	87
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	87





Library Search Compound Report

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Data File : BF107448.D
Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

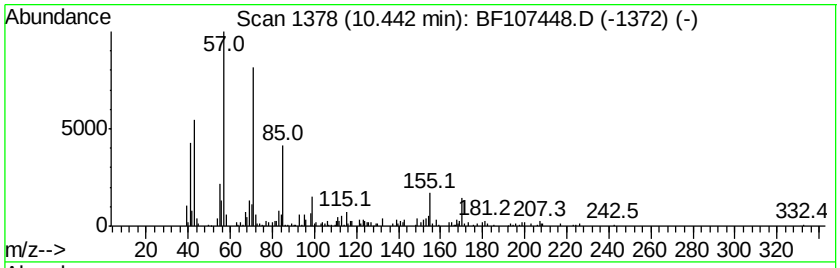
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

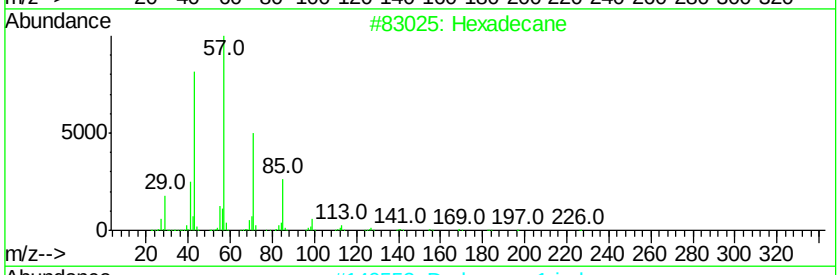
****

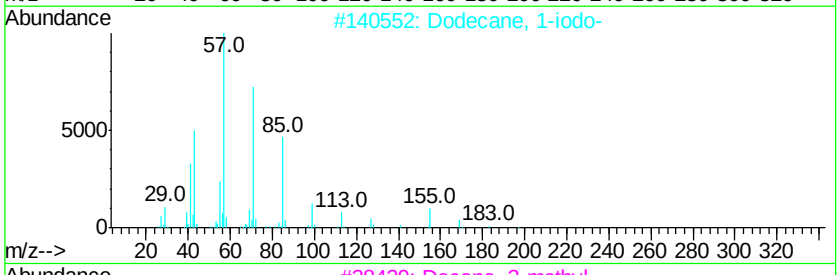
Peak Number 5 Hexadecane Concentration Rank 12

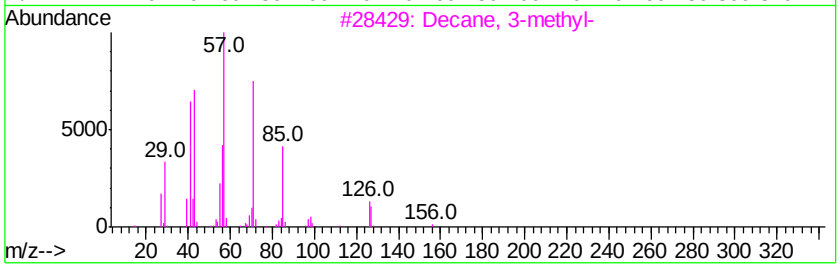
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	6.03 ng	383256	Acenaphthene-d10	10.03

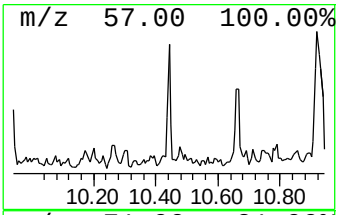
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	81
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
3	Decane, 3-methyl-	156	C11H24	013151-34-3	72
4	Decane, 2-methyl-	156	C11H24	006975-98-0	72
5	Heptacosane	380	C27H56	000593-49-7	64

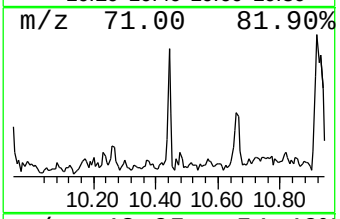


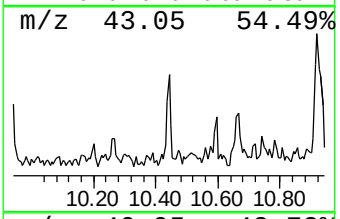


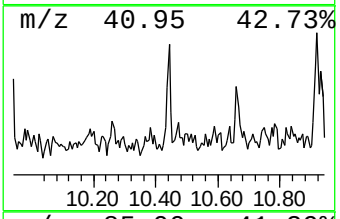


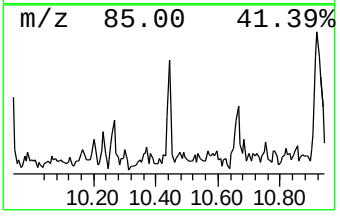












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Data File : BF107448.D
Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

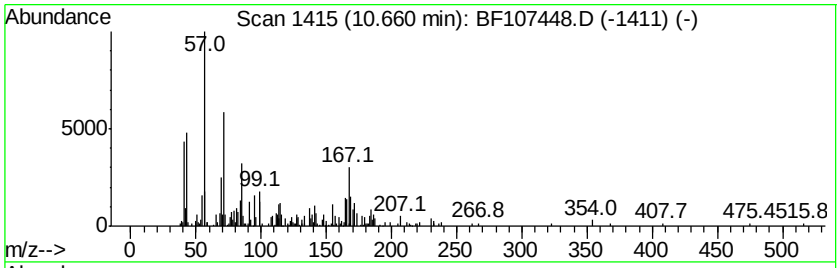
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

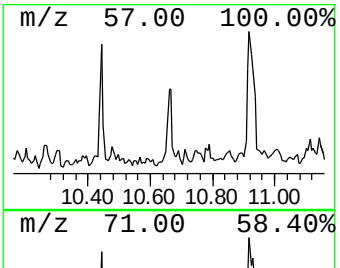
****

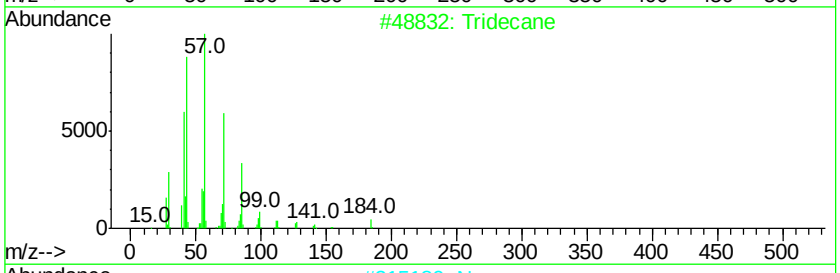
Peak Number 6 unknown10.66 Concentration Rank 13

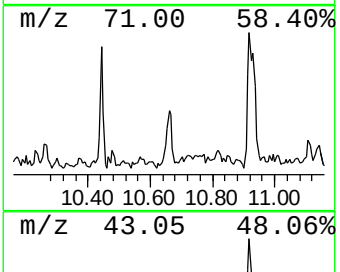
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	5.31 ng	337196	Acenaphthene-d10	10.03

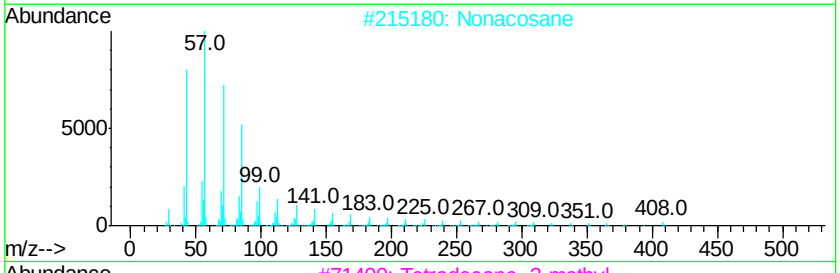
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	49
2	Nonacosane	408	C29H60	000630-03-5	46
3	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	45
4	Dodecane	170	C12H26	000112-40-3	43
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	43

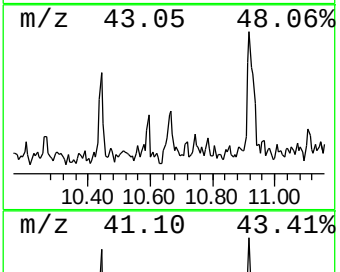


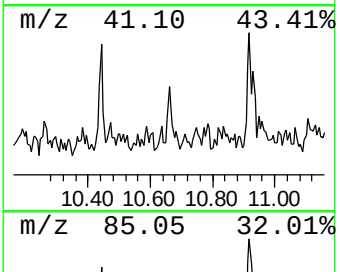


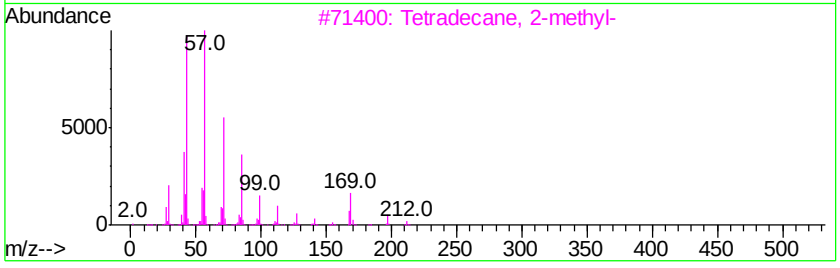


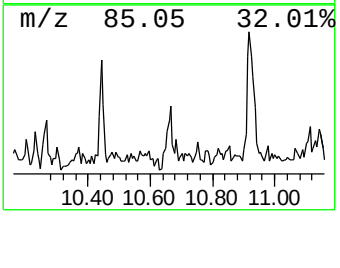












Library Search Compound Report

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Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

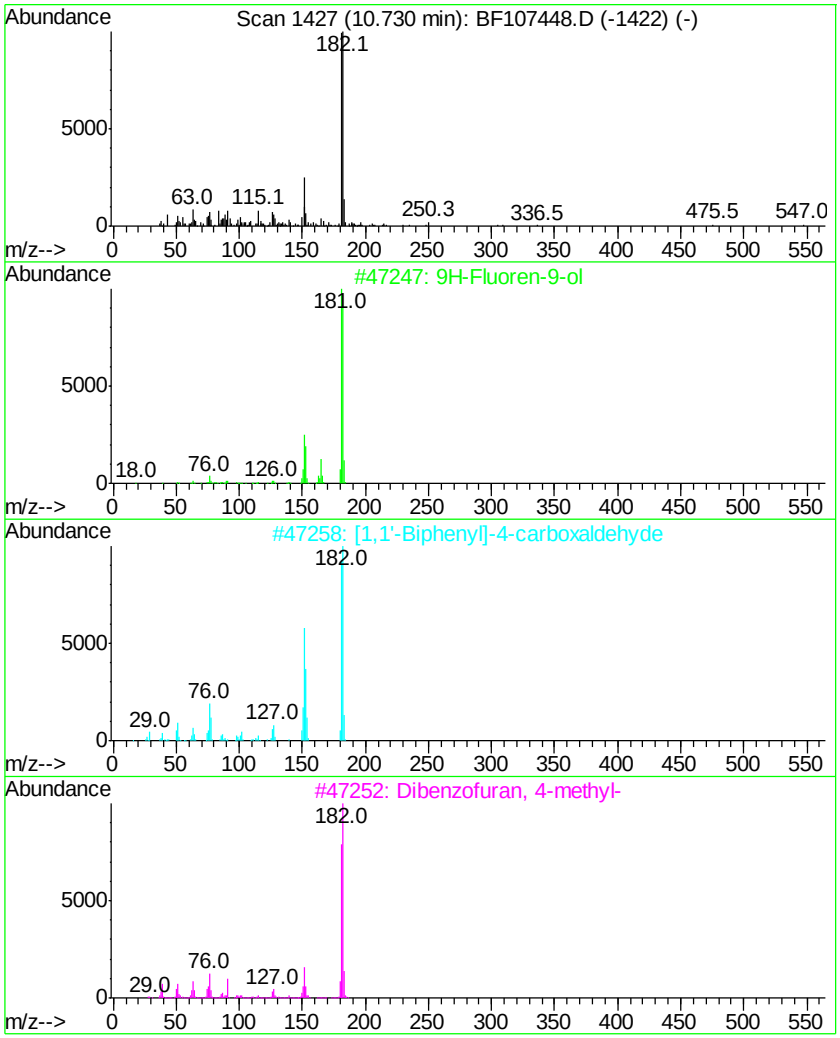
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

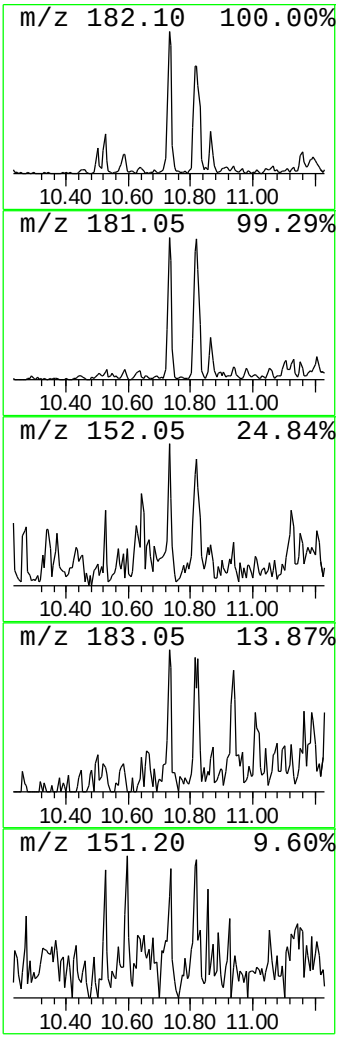
****

Peak Number 7 9H-Fluoren-9-ol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	4.70 ng	298645	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	64





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Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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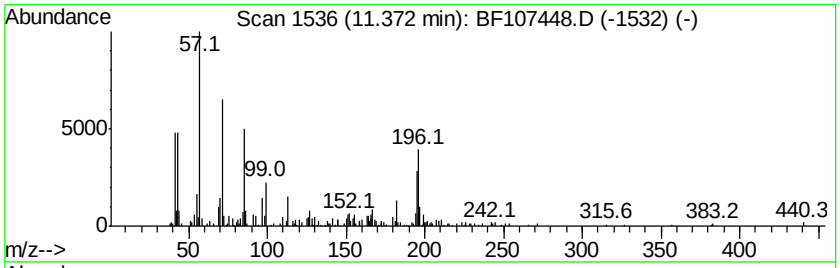
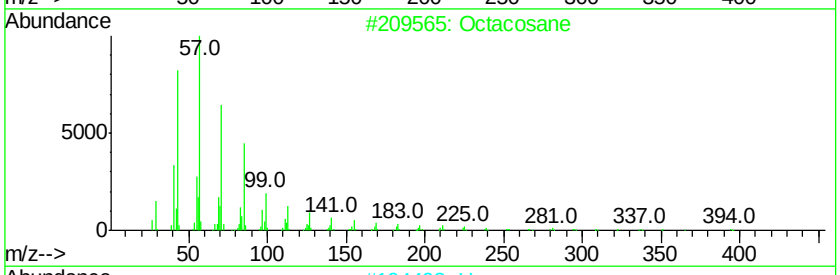
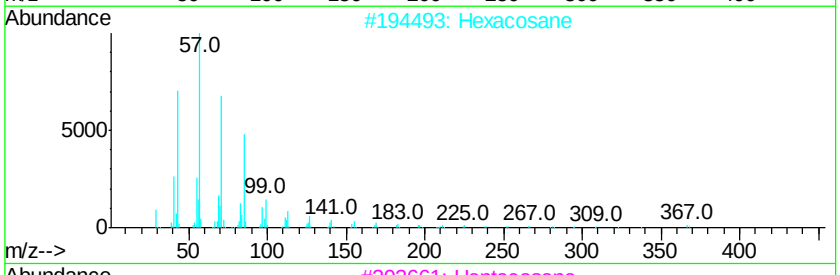
Peak Number 8 Octacosane Concentration Rank 14

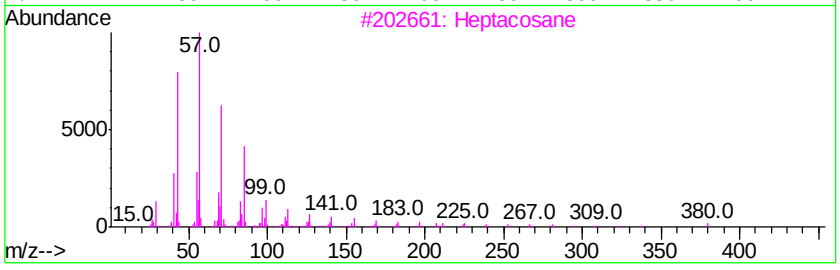
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	5.21 ng	378206	Phenanthrene-d10	11.52

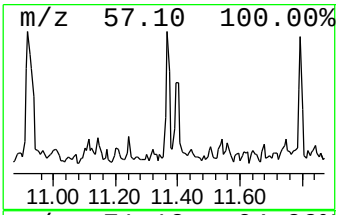
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	58
2	Hexacosane	366	C26H54	000630-01-3	53
3	Heptacosane	380	C27H56	000593-49-7	53
4	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	52
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	52

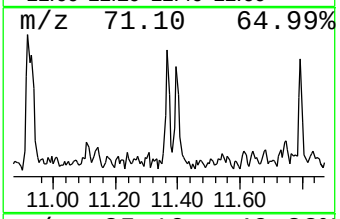


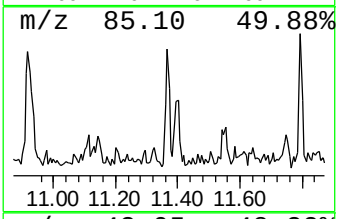


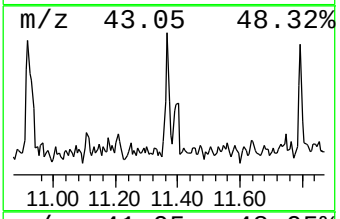


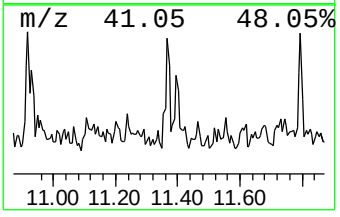












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Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

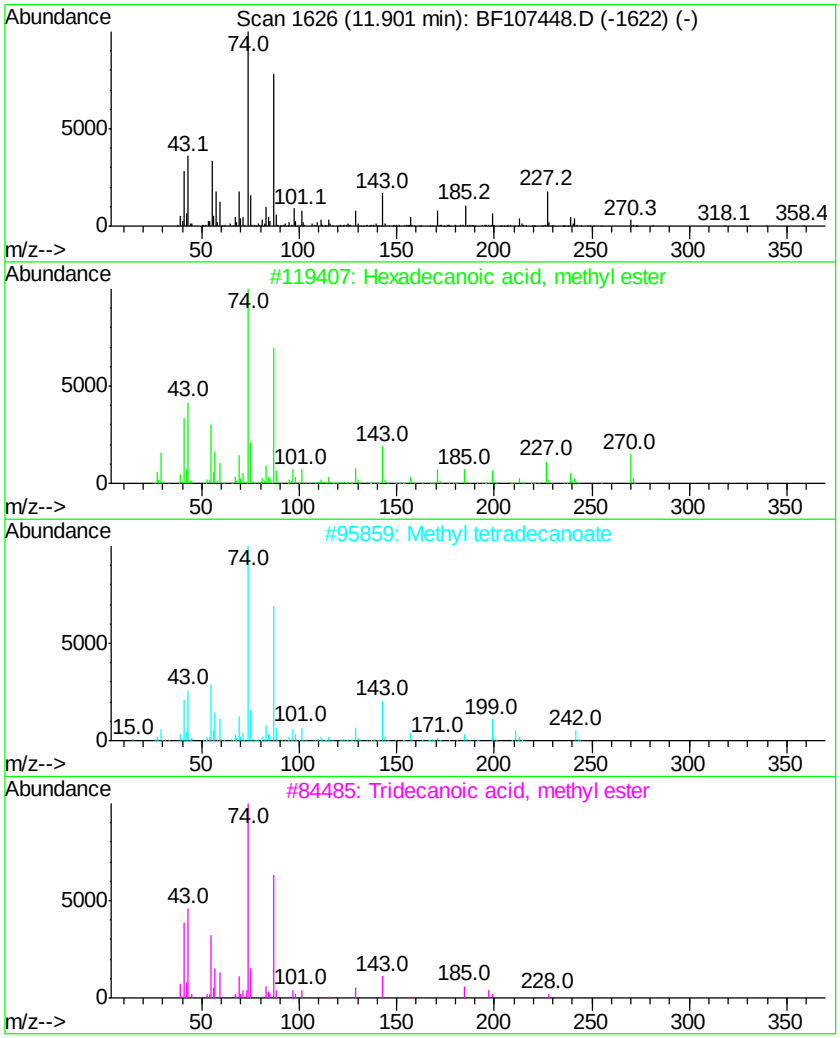
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

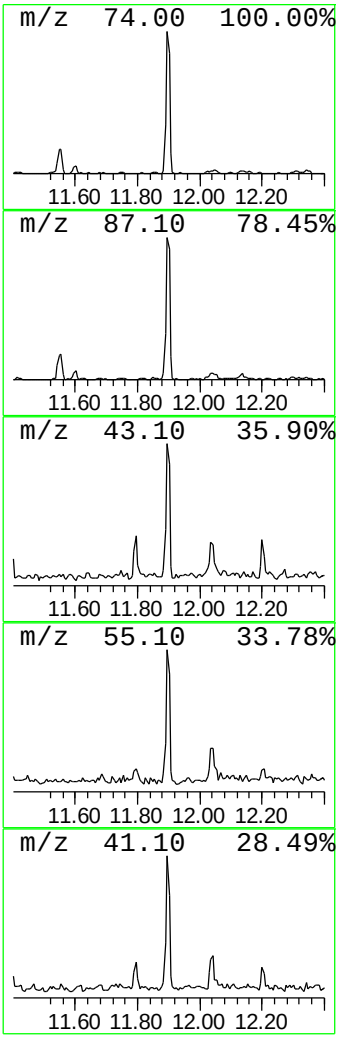
****

Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	20.01 ng	1451910	Phenanthrene-d10	11.52

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





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

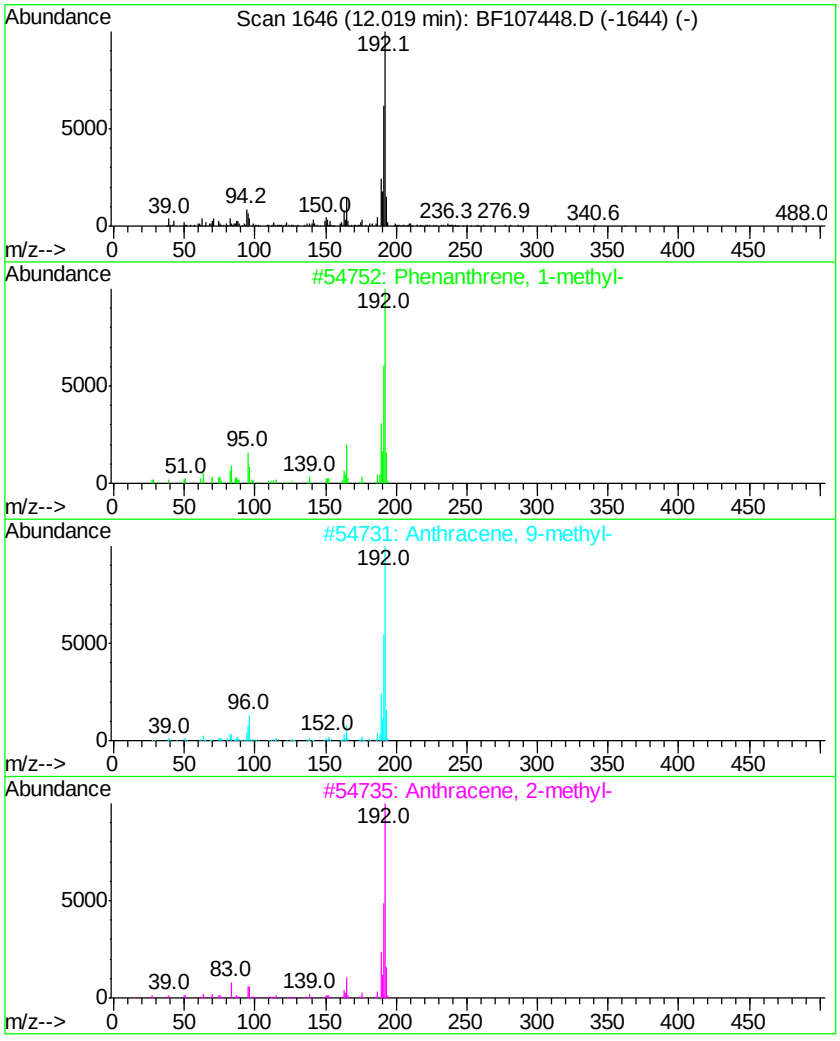
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

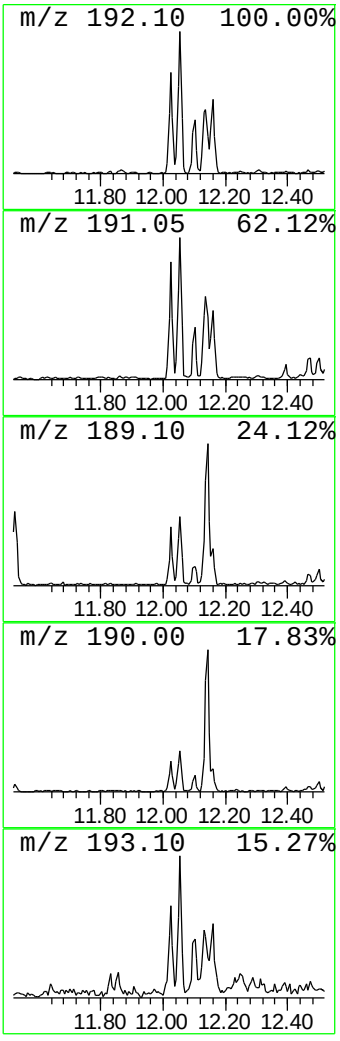
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	10.92 ng	792510	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83





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Sample : J3829-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

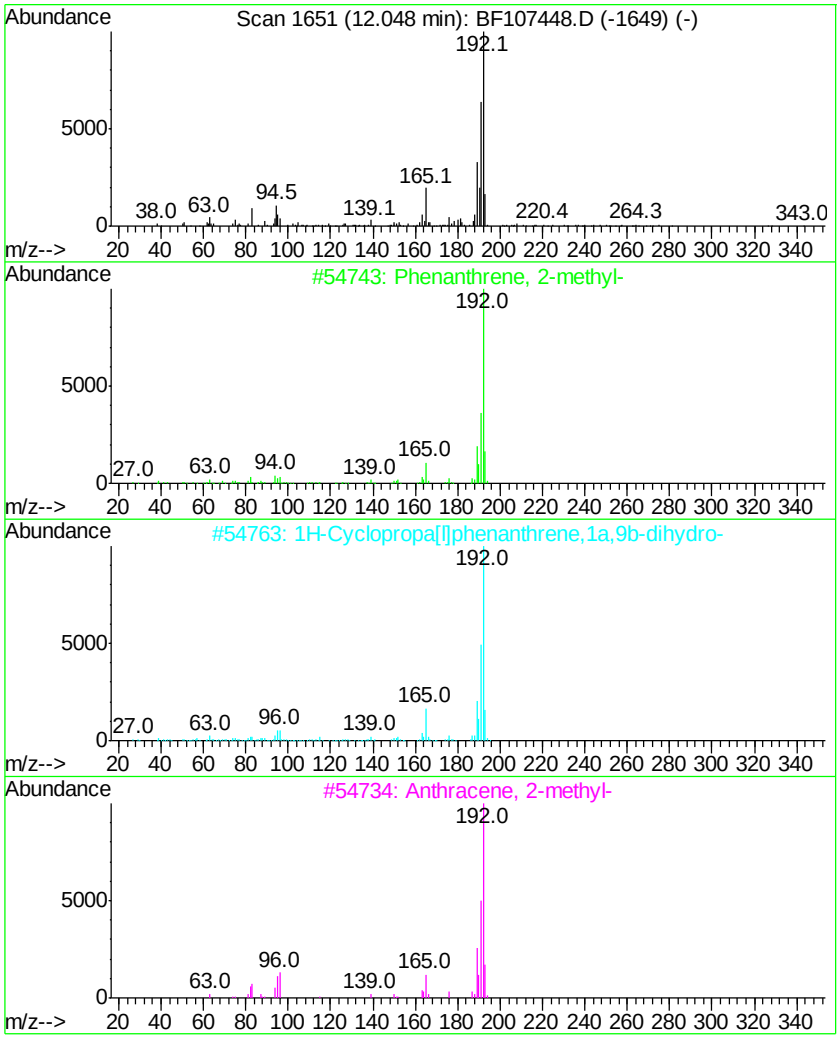
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

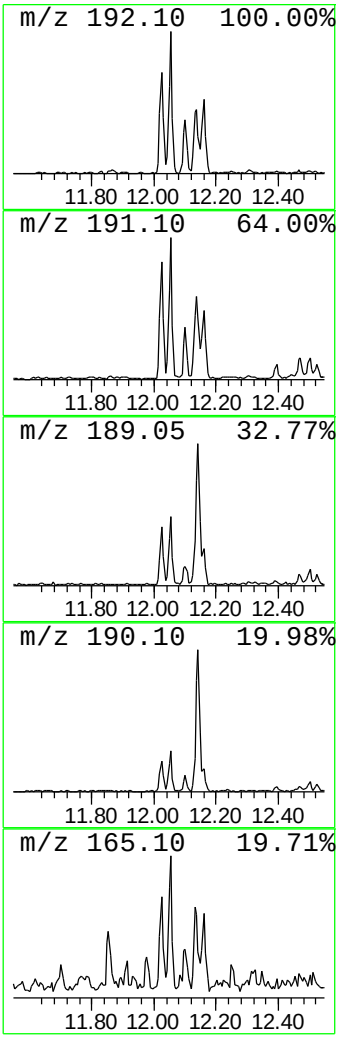
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	13.39 ng	971420	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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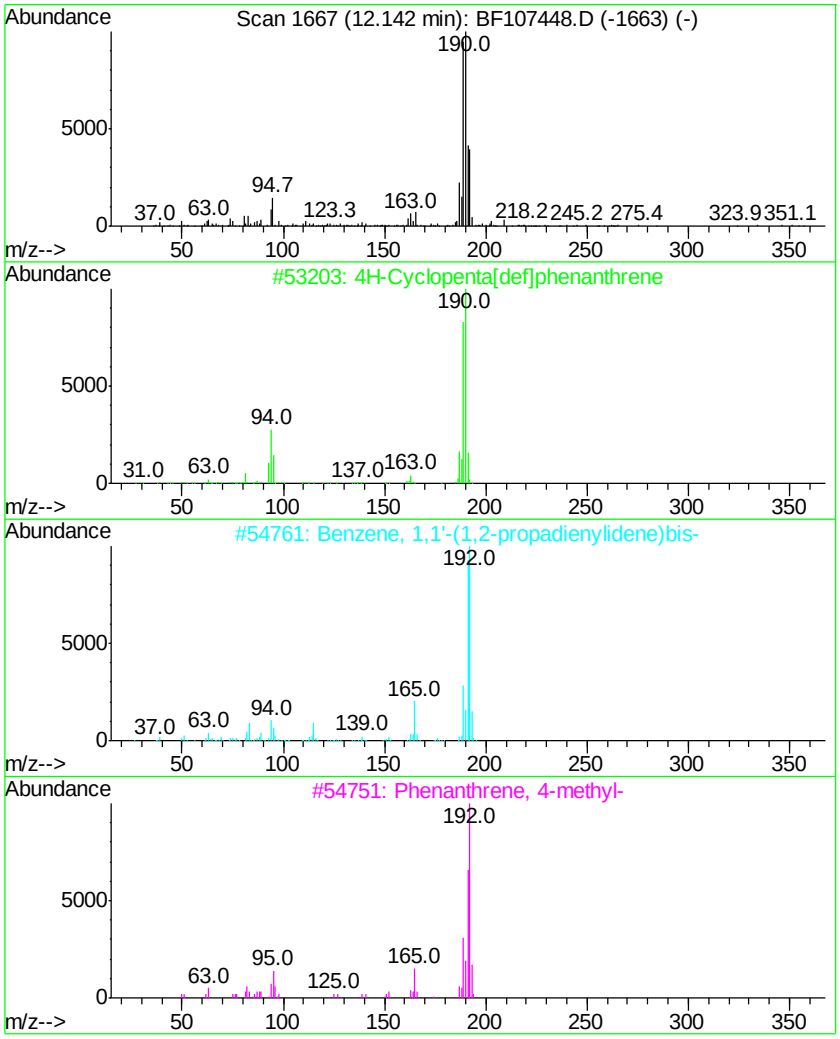
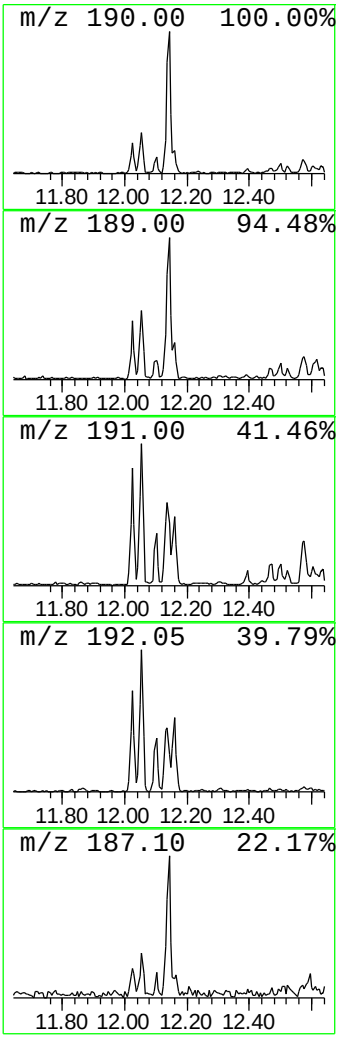
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	13.87 ng	1006090	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	41
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	30
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	30





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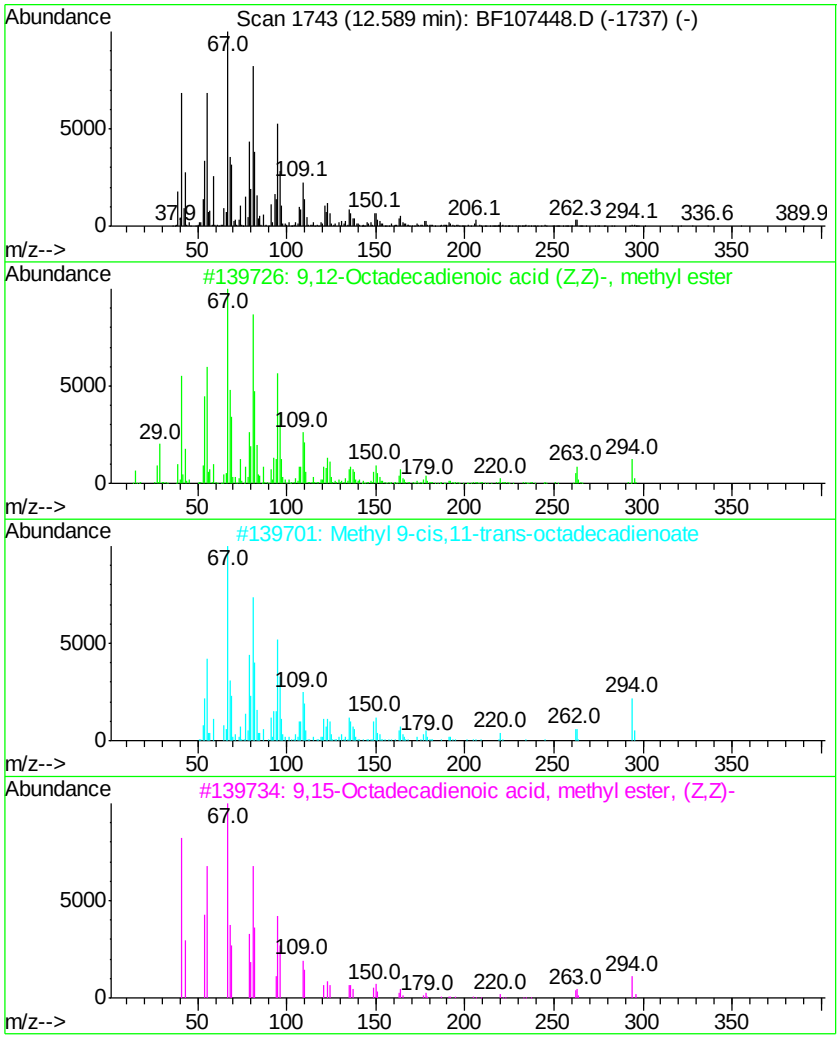
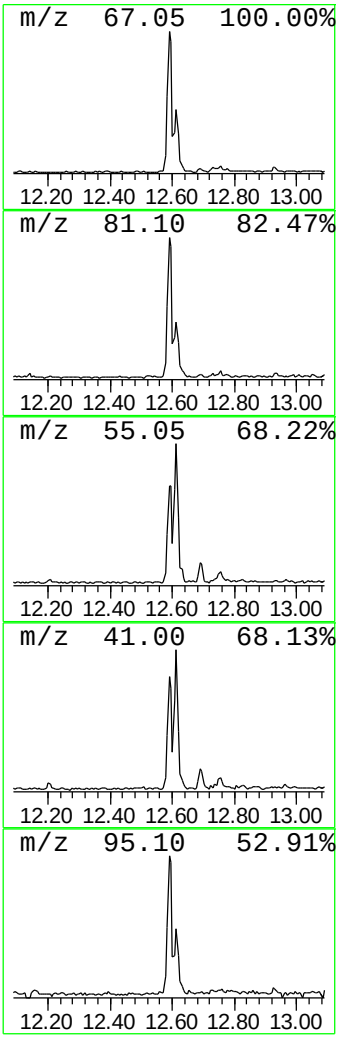
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 9,12-Octadecadienoic acid (... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	77.52 ng	5624230	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	98
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	95
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	95
5	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
Data File : BF107448.D
Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

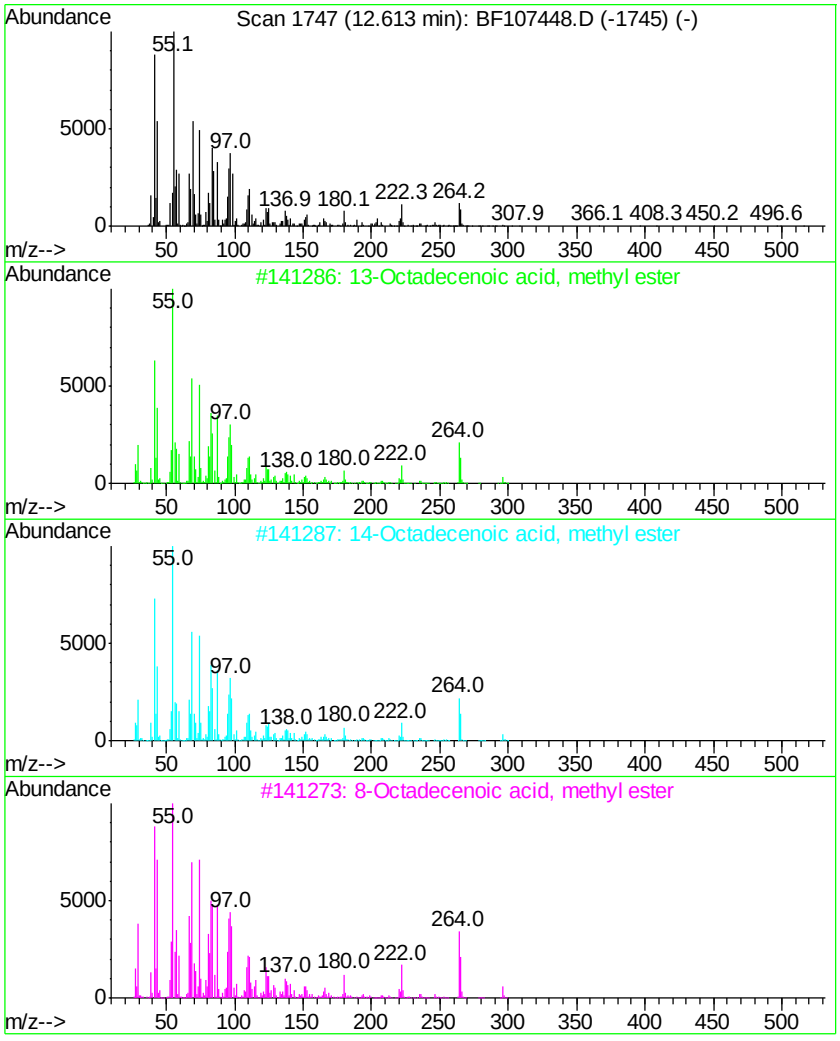
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

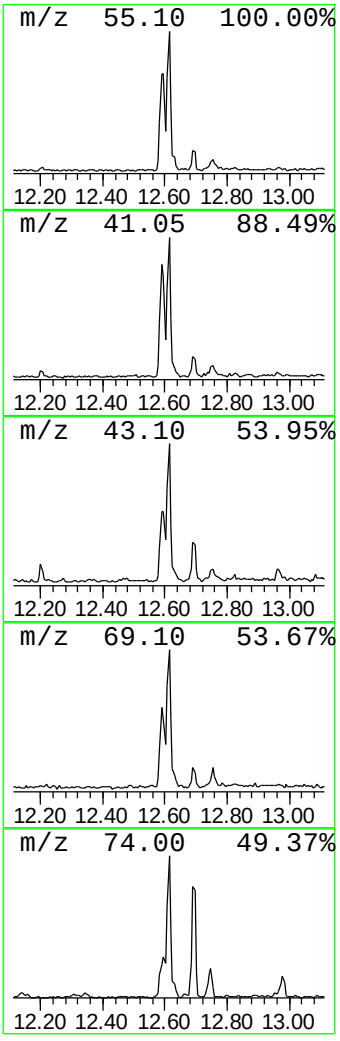
****

Peak Number 14 13-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	67.73 ng	4913810	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
2	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
3	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	99
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	96
5	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	94





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Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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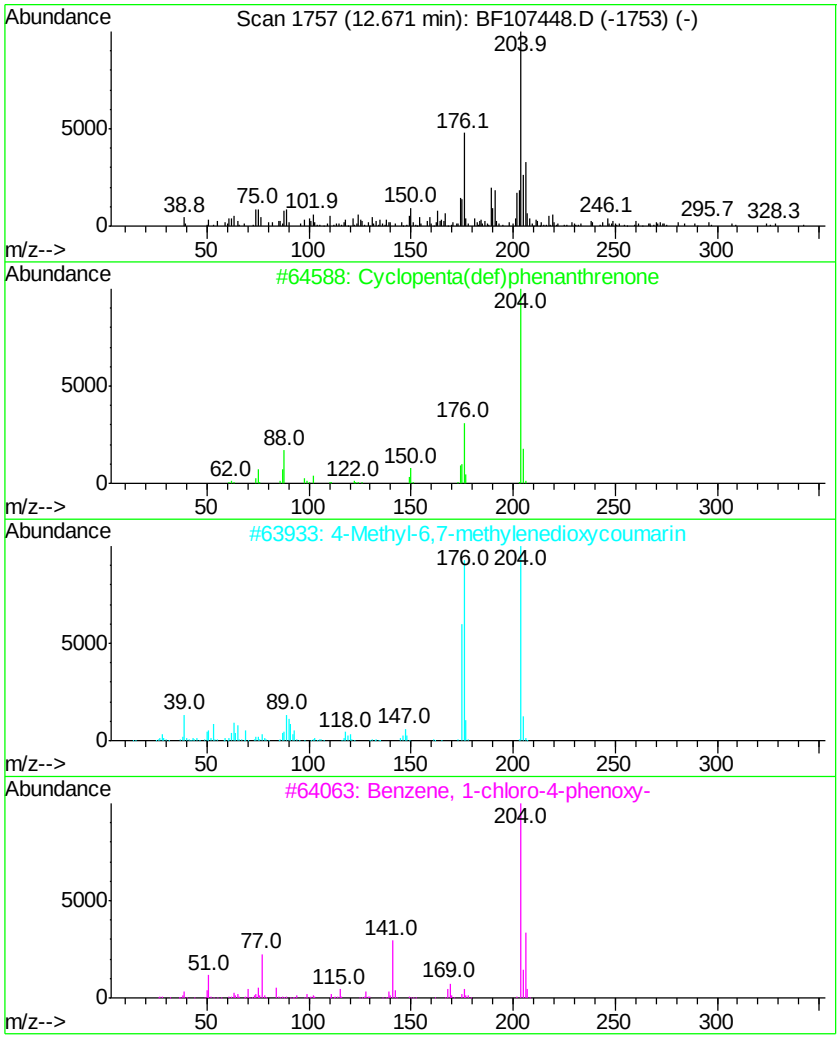
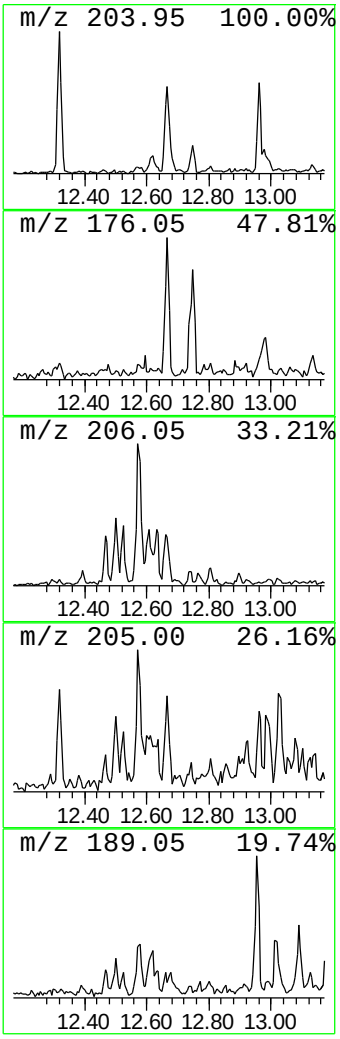
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	4.98 ng	361079	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	46
3	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	46
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46





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Data File : BF107448.D
Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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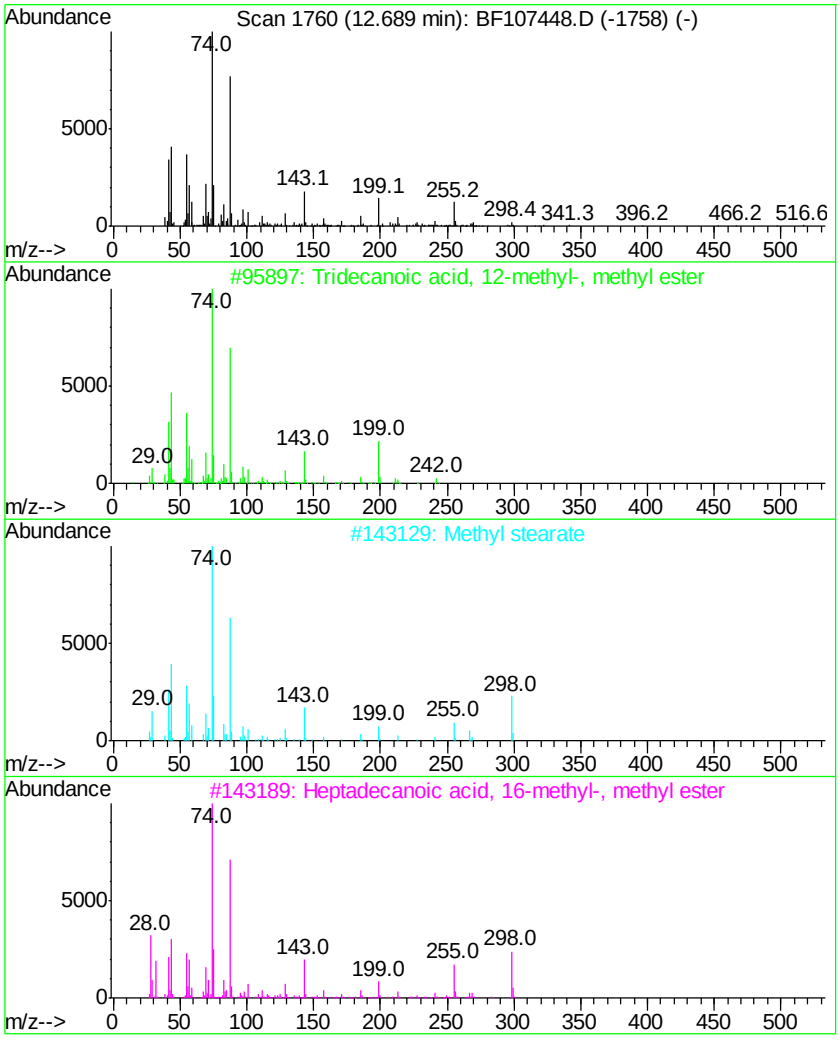
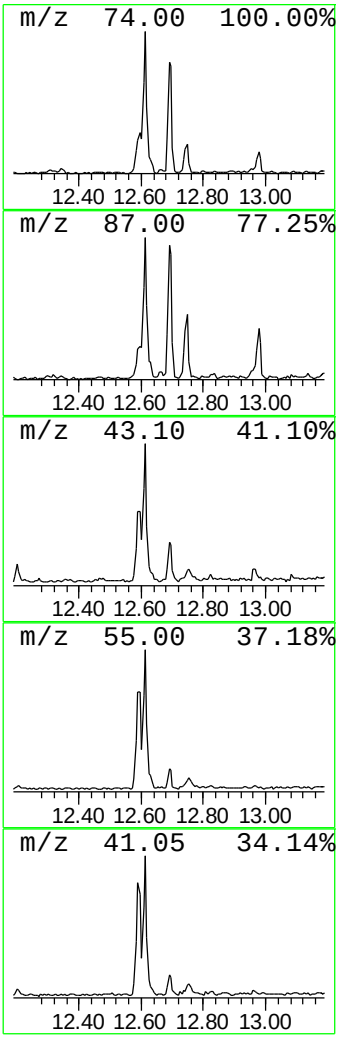
Peak Number 16 Tridecanoic acid, 12-methyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	12.93 ng	937912	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	93
2	Methyl stearate	298	C19H38O2	000112-61-8	91
3	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	89
4	Hexacosanoic acid, methyl ester	410	C27H54O2	005802-82-4	87
5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	86





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Data File : BF107448.D
Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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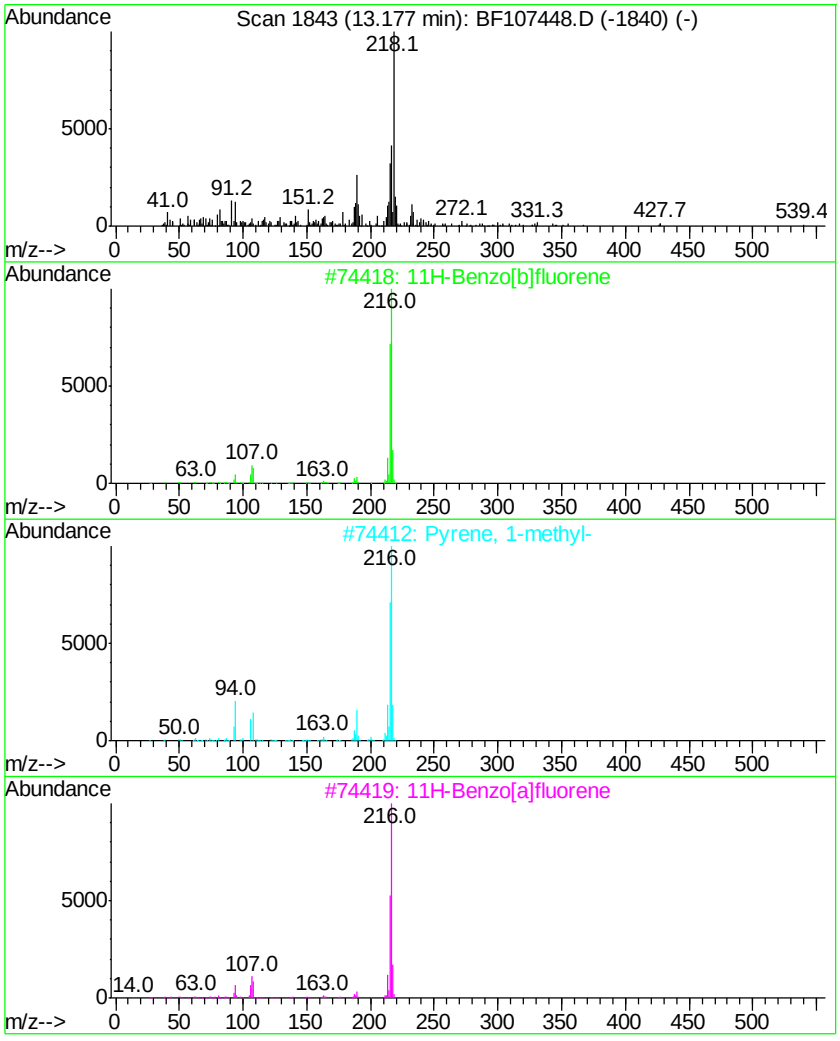
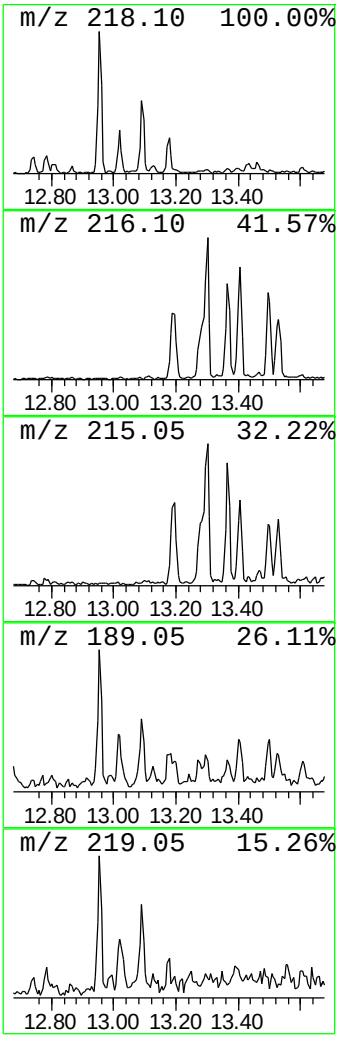
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	4.72 ng	706874	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	50
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	46





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Data File : BF107448.D
Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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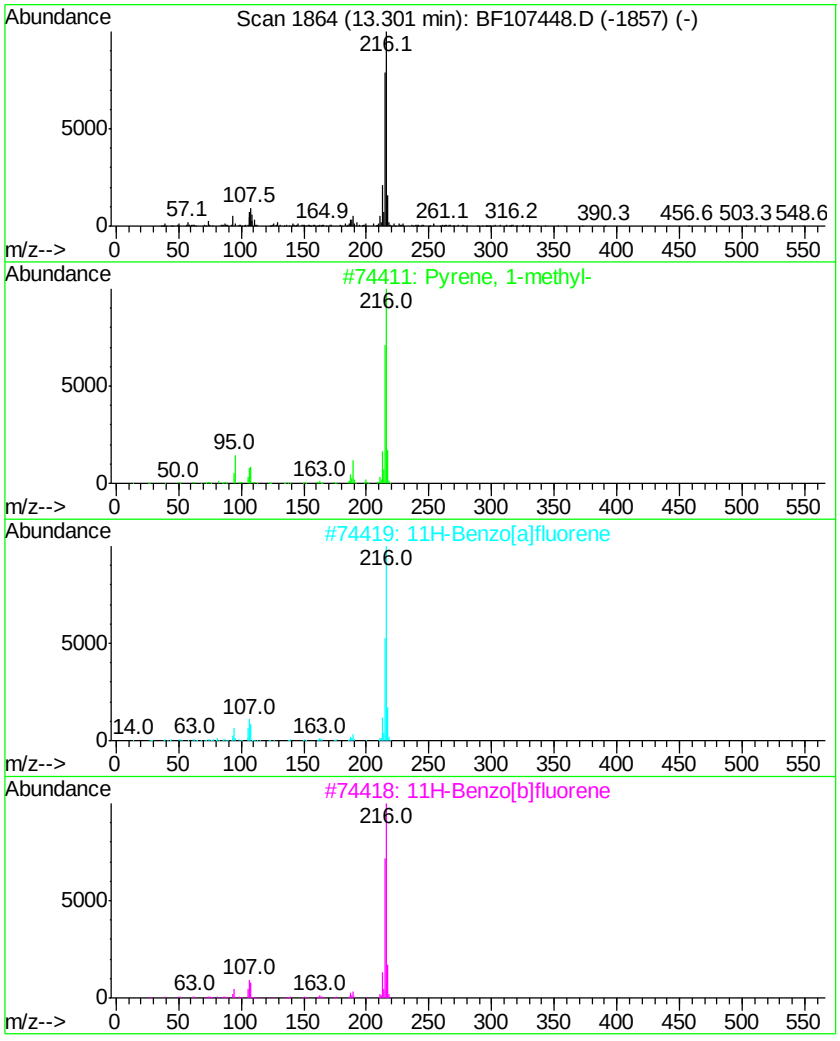
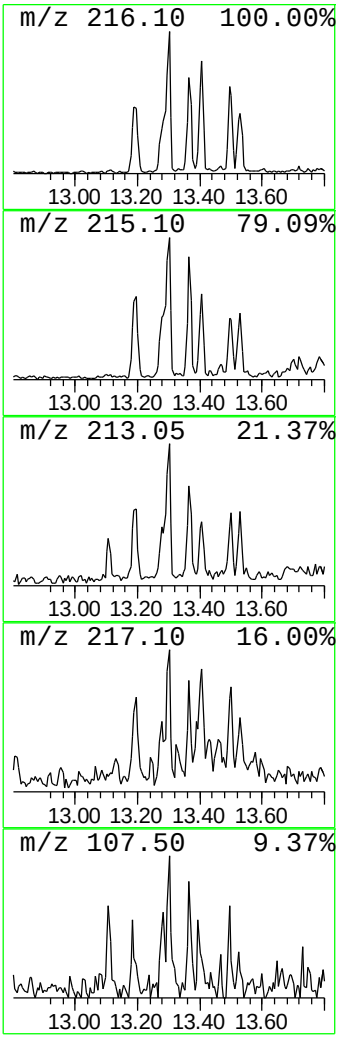
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	6.67 ng	998200	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Data File : BF107448.D
Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
Sample : J3829-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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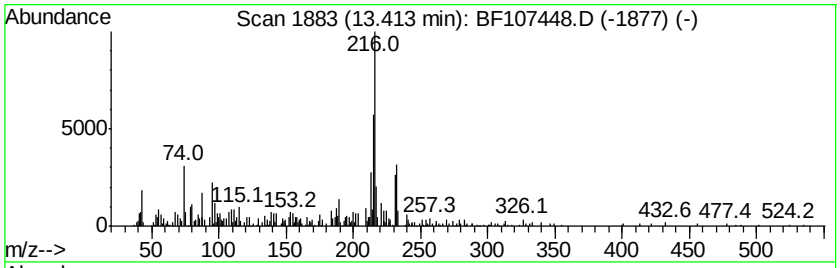
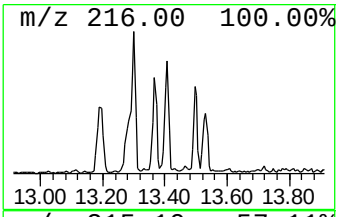
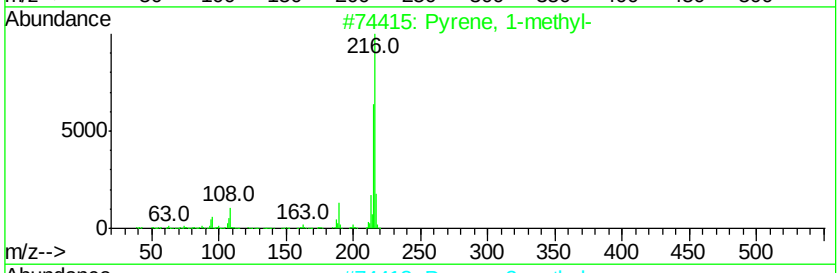
Peak Number 19 Pyrene, 2-methyl- Concentration Rank 19

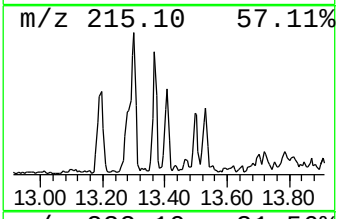
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	4.63 ng	692917	Chrysene-d12	14.18

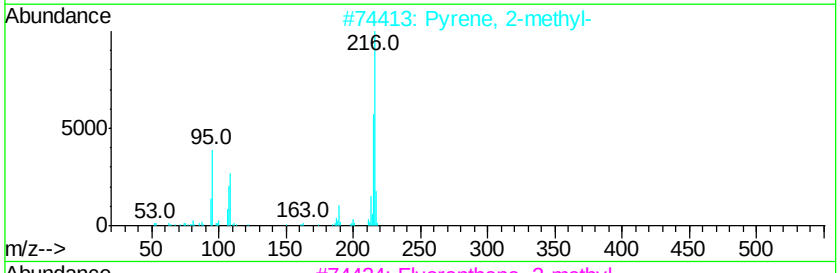
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76

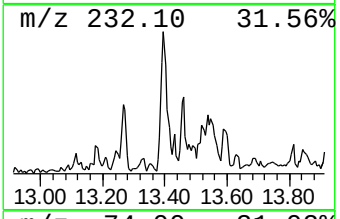


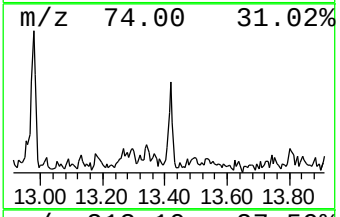


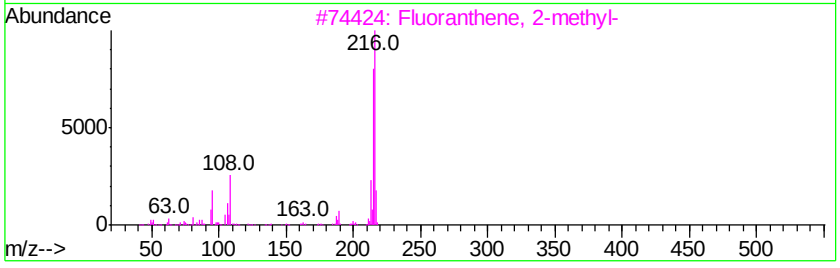


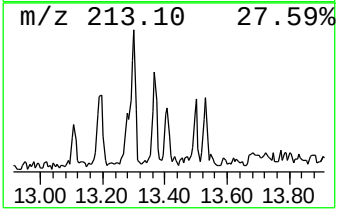












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071718\
Data File : BF107448.D
Acq On : 17 Jul 2018 14:43
Operator : JU/SJ
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-071318-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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
unknown6.75	6.75	32.7	ng	1529300	1	6.98	935500	20.0
Naphthalene, 1-me...	9.08	4.5	ng	261002	2	8.27	1152970	20.0
Naphthalene, 2,6-...	9.60	4.7	ng	301259	3	10.03	1270970	20.0
Hexadecane	10.44	6.0	ng	383256	3	10.03	1270970	20.0
unknown10.66	10.66	5.3	ng	337196	3	10.03	1270970	20.0
9H-Fluoren-9-ol	10.73	4.7	ng	298645	3	10.03	1270970	20.0
Octacosane	11.37	5.2	ng	378206	4	11.52	1451010	20.0
Hexadecanoic acid...	11.90	20.0	ng	1451910	4	11.52	1451010	20.0
Phenanthrene, 1-m...	12.02	10.9	ng	792510	4	11.52	1451010	20.0
Phenanthrene, 2-m...	12.05	13.4	ng	971420	4	11.52	1451010	20.0
4H-Cyclopenta[def...	12.14	13.9	ng	1006090	4	11.52	1451010	20.0
9,12-Octadecadien...	12.59	77.5	ng	5624230	4	11.52	1451010	20.0
13-Octadecenoic a...	12.61	67.7	ng	4913810	4	11.52	1451010	20.0
Cyclopenta(def)ph...	12.67	5.0	ng	361079	4	11.52	1451010	20.0
Tridecanoic acid,...	12.69	12.9	ng	937912	4	11.52	1451010	20.0
11H-Benzo[b]fluorene	13.18	4.7	ng	706874	5	14.18	2994350	20.0
Pyrene, 1-methyl-	13.30	6.7	ng	998200	5	14.18	2994350	20.0
Pyrene, 2-methyl-	13.41	4.6	ng	692917	5	14.18	2994350	20.0