LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102729.D
Acq On : 5 Feb 2018 11:04
Operator : SJ/JU
Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

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:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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	2.134	3	8	15	rVB	228248	292712	4.10%	0.605%
2	5.481	573	577	581	rBV	1385469	1201065	16.84%	2.482%
3	6.493	745	749	753	rVB	1437474	1197416	16.79%	2.475%
4	6.640	770	774	778	rVB	1353735	1229137	17.23%	2.540%
5	6.881	811	815	818	rVB	1599609	1373830	19.26%	2.839%
6	7.034	836	841	844	rBV	1160670	947341	13.28%	1.958%
7	7.434	906	909	912	rVV	882418	758297	10.63%	1.567%
8	7.469	912	915	919	rVV2	178866	192075	2.69%	0.397%
9	7.528	919	925	927	rVV4	48976	75238	1.05%	0.155%
10	7.904	986	989	994	rBV4	67149	106863	1.50%	0.221%
11	8.110	1019	1024	1026	rVV3	56007	88589	1.24%	0.183%
12	8.139	1026	1029	1030	rVV	316095	276549	3.88%	0.572%
13	8.163	1030	1033	1035	rVV	2273407	1863529	26.12%	3.851%
14	8.181	1035	1036	1039	rVV	147750	124420	1.74%	0.257%
15	8.216	1039	1042	1045	rVB	209465	209068	2.93%	0.432%
16	8.451	1079	1082	1088	rVB4	125533	134704	1.89%	0.278%
17	8.534	1094	1096	1100	rVB4	63877	78687	1.10%	0.163%
18	8.581	1100	1104	1106	rBV	270517	219933	3.08%	0.455%
19	8.669	1115	1119	1121	rBV2	95831	91419	1.28%	0.189%
20	8.751	1130	1133	1137	rBV	281569	248157	3.48%	0.513%
21	8.845	1146	1149	1152	rVV2	81018	89420	1.25%	0.185%
22	8.875	1152	1154	1158	rVB	144916	106860	1.50%	0.221%
23	8.975	1168	1171	1175	rVB2	98187	119513	1.68%	0.247%
24	9.034	1178	1181	1182	rBV2	74762	75164	1.05%	0.155%
25	9.069	1185	1187	1191	rVB4	78658	90063	1.26%	0.186%
26	9.110	1191	1194	1198	rBV3	69462	96382	1.35%	0.199%
27	9.181	1203	1206	1211	rVB	292945	265007	3.71%	0.548%
28	9.234	1211	1215	1218	rBV	1633289	1276838	17.90%	2.639%
29	9.316	1225	1229	1234	rBV	343999	397598	5.57%	0.822%
30	9.504	1257	1261	1264	rVB3	93382	117137	1.64%	0.242%
31	9.575	1270	1273	1275	rBV	133703	120658	1.69%	0.249%
32	9.634	1279	1283	1286	rBV3	371675	433114	6.07%	0.895%
33	9.692	1290	1293	1295	rBV	134615	114433	1.60%	0.236%
34	9.775	1305	1307	1311	rVB	155229	163655	2.29%	0.338%

LSC Area Percent Report

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Data File : BF102729.D
Acq On : 5 Feb 2018 11:04
Operator : SJ/JU
Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

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:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.845	1311	1319	1323	rVB2	282668	344410	4.83%	0.712%
36	9.916	1323	1331	1335	rBV	1903582	1958563	27.46%	4.048%
37	9.951	1335	1337	1339	rVB	124645	86674	1.21%	0.179%
38	10.022	1346	1349	1353	rVB3	67283	80979	1.14%	0.167%
39	10.116	1361	1365	1369	rVB3	104407	174931	2.45%	0.362%
40	10.163	1370	1373	1378	rBV3	83635	119226	1.67%	0.246%
41	10.345	1401	1404	1406	rVB	270783	228913	3.21%	0.473%
42	10.463	1421	1424	1430	rVB	183182	194767	2.73%	0.403%
43	10.563	1437	1441	1446	rVV	133520	192048	2.69%	0.397%
44	10.616	1448	1450	1454	rVB3	66792	83692	1.17%	0.173%
45	10.704	1459	1465	1468	rBV	791413	760681	10.66%	1.572%
46	10.816	1481	1484	1493	rVB	278193	386490	5.42%	0.799%
47	11.010	1513	1517	1519	rBV2	83799	90208	1.26%	0.186%
48	11.039	1519	1522	1526	rVB3	69435	76606	1.07%	0.158%
49	11.263	1557	1560	1563	rBV	196697	176064	2.47%	0.364%
50	11.298	1563	1566	1571	rVB2	181470	189757	2.66%	0.392%
51	11.404	1580	1584	1586	rBV	1882948	1649161	23.12%	3.408%
52	11.428	1586	1588	1591	rVV	1052765	776842	10.89%	1.605%
53	11.480	1594	1597	1599	rVB	234145	196868	2.76%	0.407%
54	11.628	1620	1622	1629	rVB2	57975	75407	1.06%	0.156%
55	11.692	1630	1633	1636	rBV2	181028	145123	2.03%	0.300%
56	11.792	1647	1650	1653	rBV	2747245	2277271	31.92%	4.706%
57	11.904	1666	1669	1670	rBV	185441	150178	2.11%	0.310%
58	11.927	1670	1673	1679	rVB2	462272	570934	8.00%	1.180%
59	12.016	1685	1688	1690	rBV2	270408	270050	3.79%	0.558%
60	12.039	1690	1692	1696	rVB2	132671	105276	1.48%	0.218%
61	12.098	1699	1702	1707	rVB	143250	132021	1.85%	0.273%
62	12.175	1711	1715	1717	rBV5	54841	81138	1.14%	0.168%
63	12.198	1717	1719	1721	rBV	101623	72507	1.02%	0.150%
64	12.451	1759	1762	1764	rBV	133767	152112	2.13%	0.314%
65	12.486	1764	1768	1770	rVV	6239297	7133674	100.00%	14.742%
66	12.504	1770	1771	1778	rVV2	5099775	4250770	59.59%	8.785%
67	12.586	1781	1785	1787	rBV	1162219	900348	12.62%	1.861%
68	12.616	1787	1790	1797	rBV	1417930	1491963	20.91%	3.083%
69	12.710	1803	1806	1813	rVB	395258	377421	5.29%	0.780%
70	12.827	1822	1826	1827	rBV2	257559	297295	4.17%	0.614%
71	12.845	1827	1829	1835	rVB	1060208	989974	13.88%	2.046%

LSC Area Percent Report

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Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

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:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.986	1850	1853	1861	rVB	1111543	979996	13.74%	2.025%
73	13.063	1863	1866	1869	rBV3	75821	106106	1.49%	0.219%
74	13.145	1877	1880	1882	rBV3	275871	272637	3.82%	0.563%
75	13.169	1882	1884	1888	rVV	249380	257497	3.61%	0.532%
76	13.216	1890	1892	1894	rVV2	131075	137806	1.93%	0.285%
77	13.239	1894	1896	1899	rVB2	246293	210354	2.95%	0.435%
78	13.274	1900	1902	1905	rBV2	97456	93718	1.31%	0.194%
79	13.310	1905	1908	1910	rBV2	127831	112569	1.58%	0.233%
80	13.369	1916	1918	1921	rBV2	166387	136150	1.91%	0.281%
81	13.398	1921	1923	1927	rBV	98419	91033	1.28%	0.188%
82	13.516	1941	1943	1946	rBV3	101713	93442	1.31%	0.193%
83	13.874	2002	2004	2008	rVB2	173446	186286	2.61%	0.385%
84	14.045	2027	2033	2035	rBV2	1303449	1655216	23.20%	3.421%
85	14.069	2035	2037	2044	rVB	471207	398836	5.59%	0.824%
86	15.086	2206	2210	2213	rBV	365742	546649	7.66%	1.130%
87	15.392	2259	2262	2267	rVB	241482	312691	4.38%	0.646%
88	15.457	2269	2273	2277	rBV	328536	395888	5.55%	0.818%
89	15.521	2280	2284	2287	rBV	785277	986959	13.84%	2.040%

Sum of corrected areas: 48389046

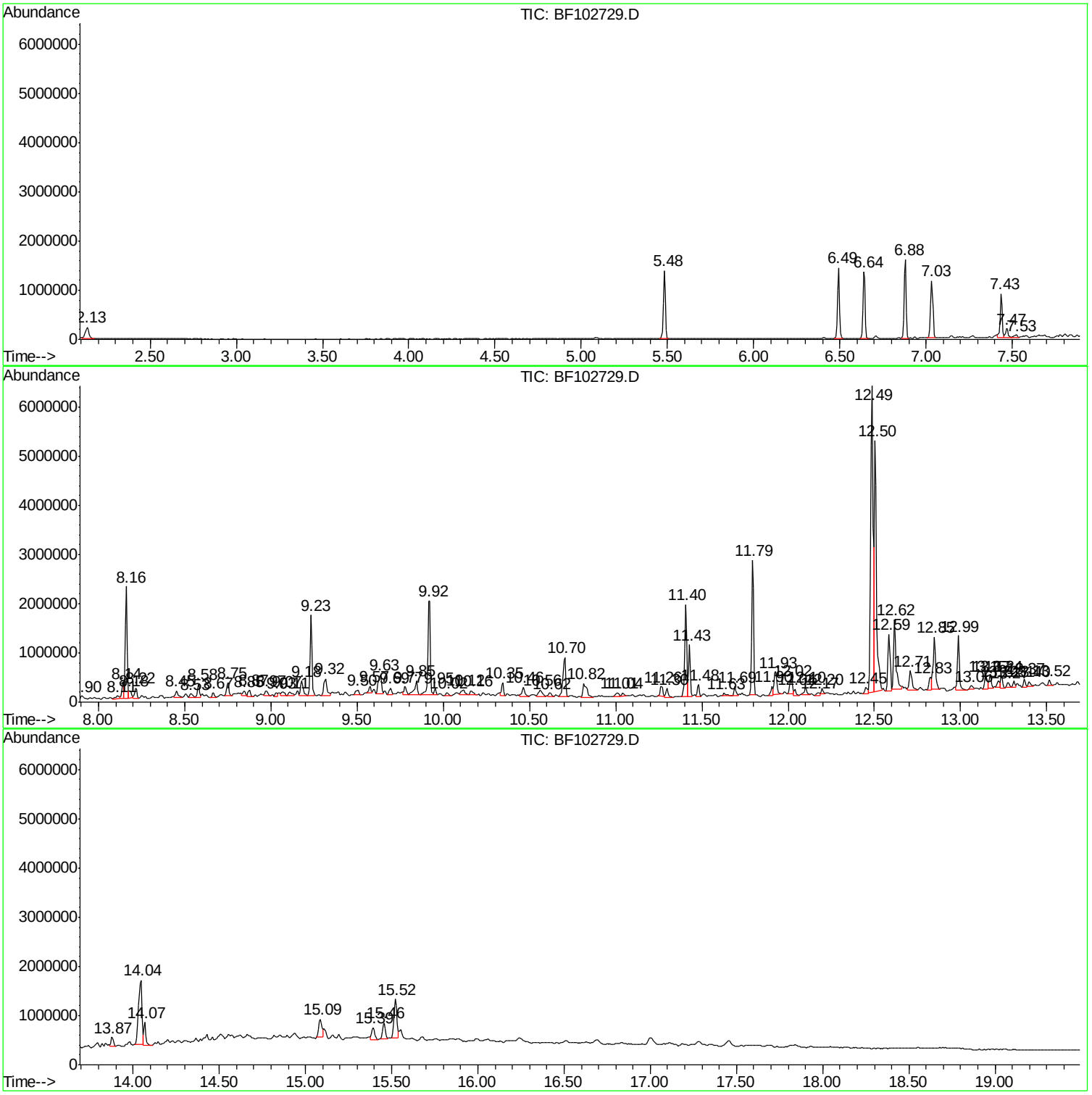
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102729.D
Acq On : 5 Feb 2018 11:04
Operator : SJ/JU
Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102729.D
Acq On : 5 Feb 2018 11:04
Operator : SJ/JU
Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

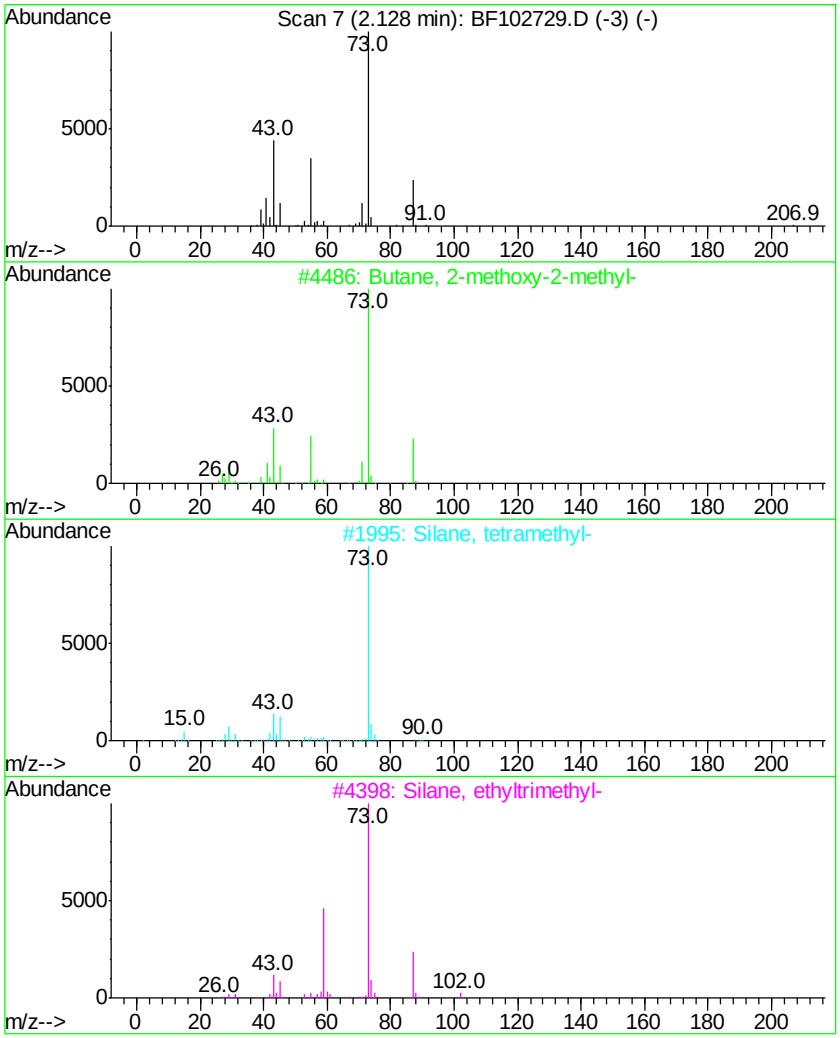
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

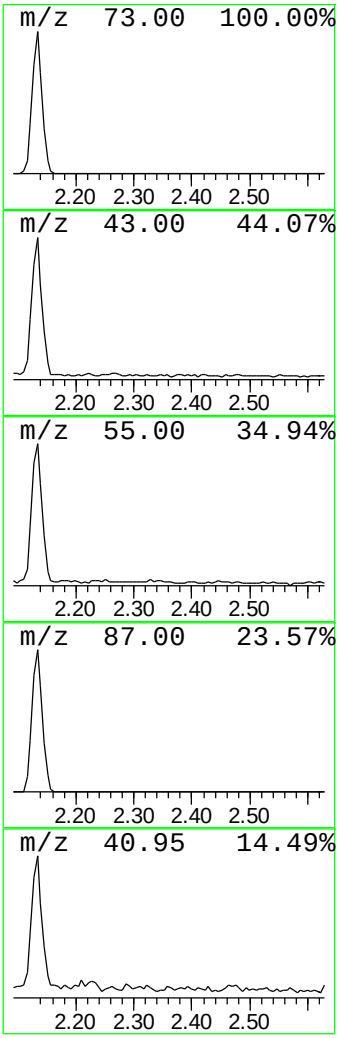
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	4.26 ng	292712	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	28
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	28
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102729.D
Acq On : 5 Feb 2018 11:04
Operator : SJ/JU
Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

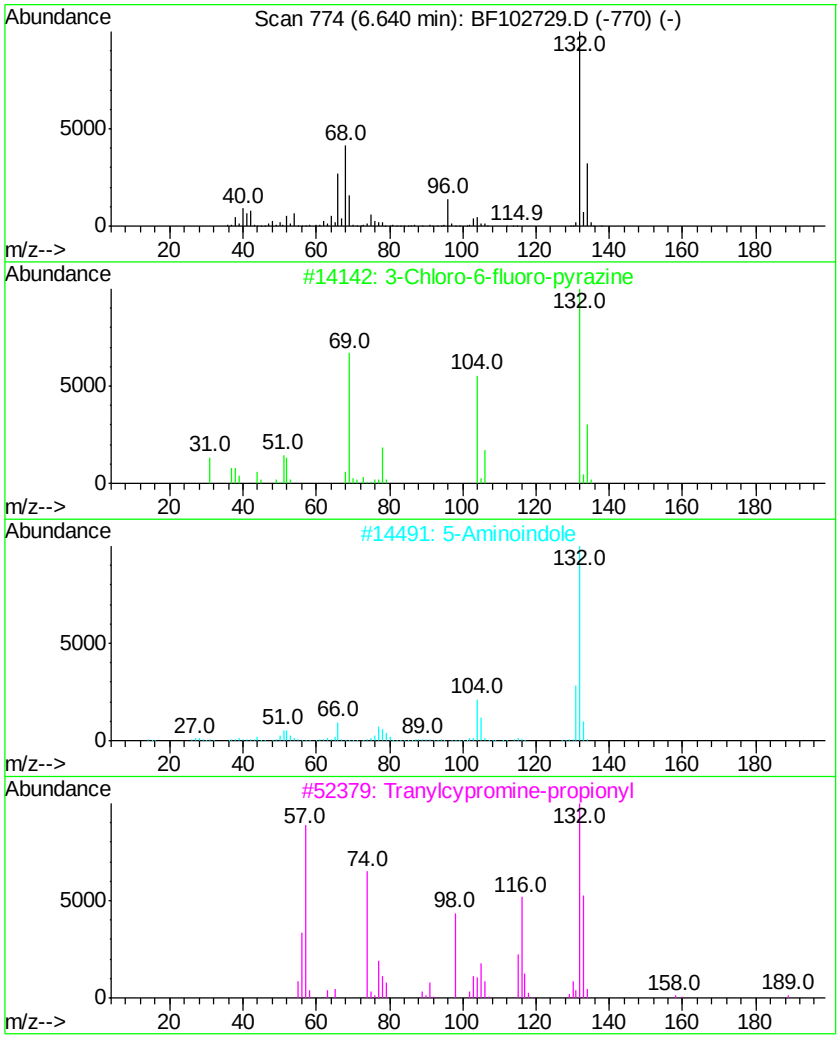
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

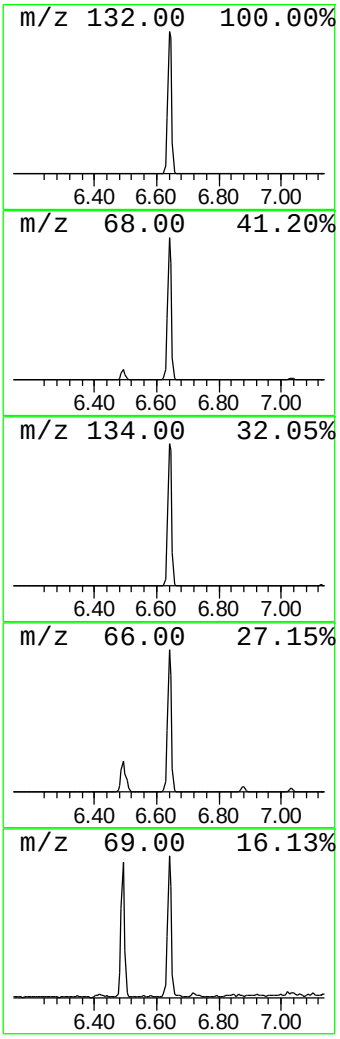
****

Peak Number 2 unknown6.64 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	17.89 ng	1229140	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

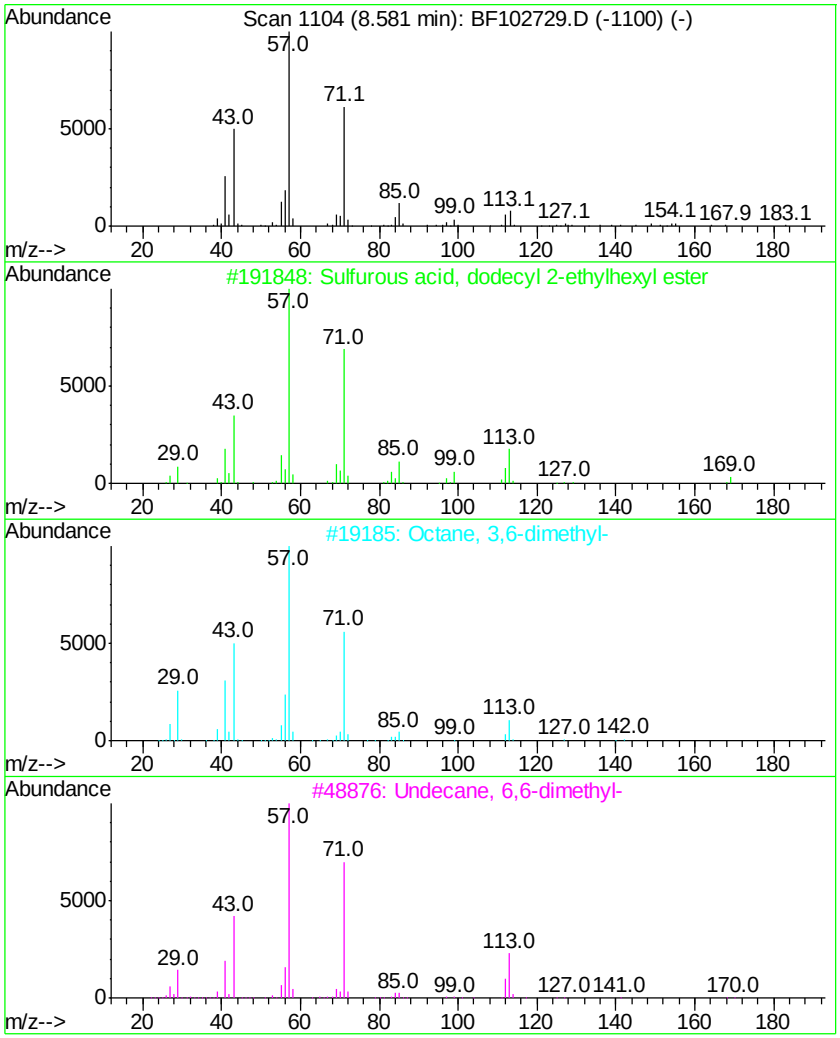
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

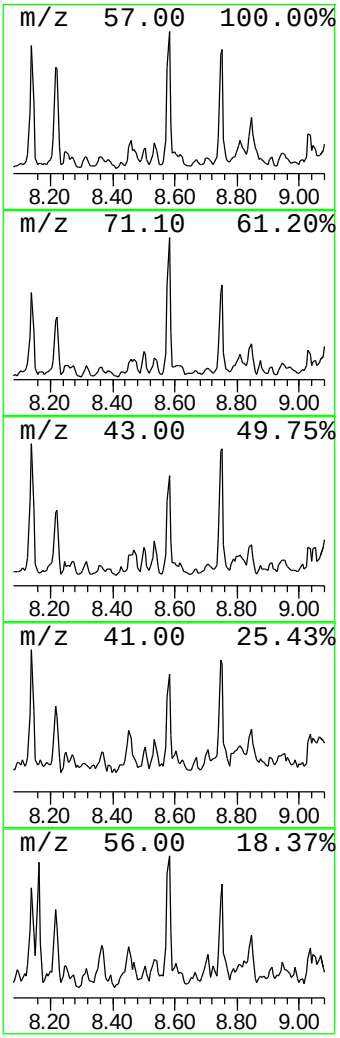
****

Peak Number 4 Sulfurous acid, dodecyl 2-e... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	2.36 ng	219933	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
3	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	59





Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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Acq On : 5 Feb 2018 11:04
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Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

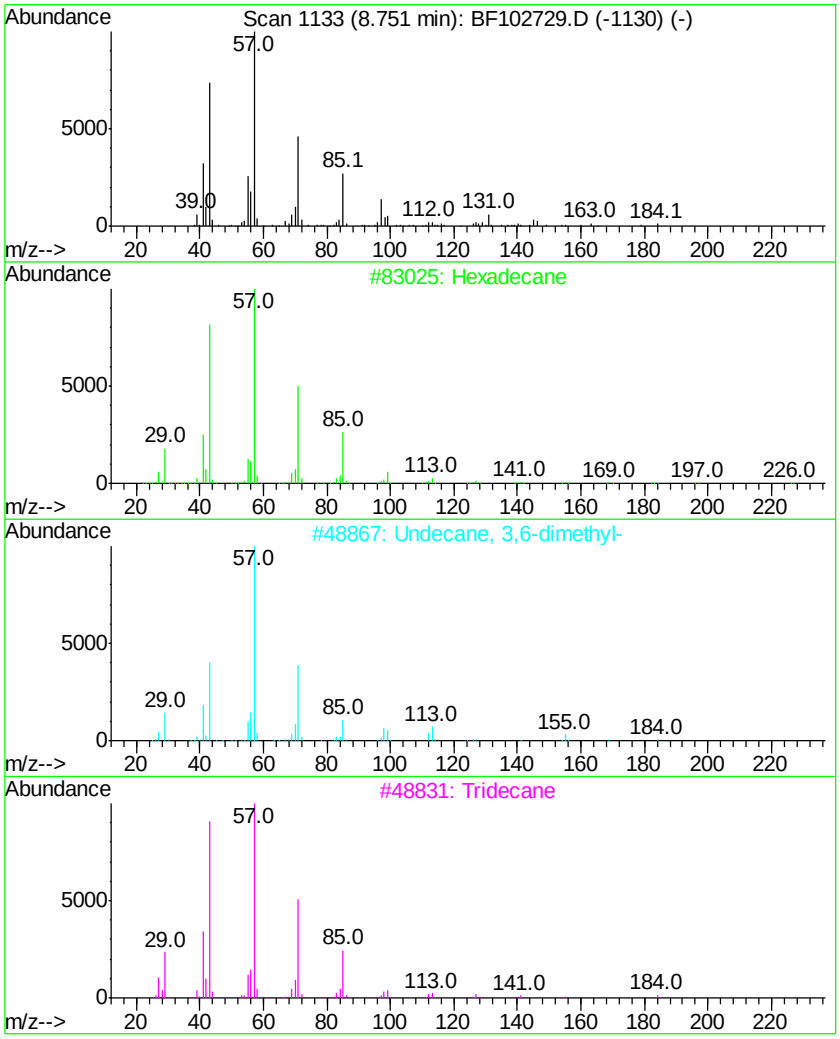
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

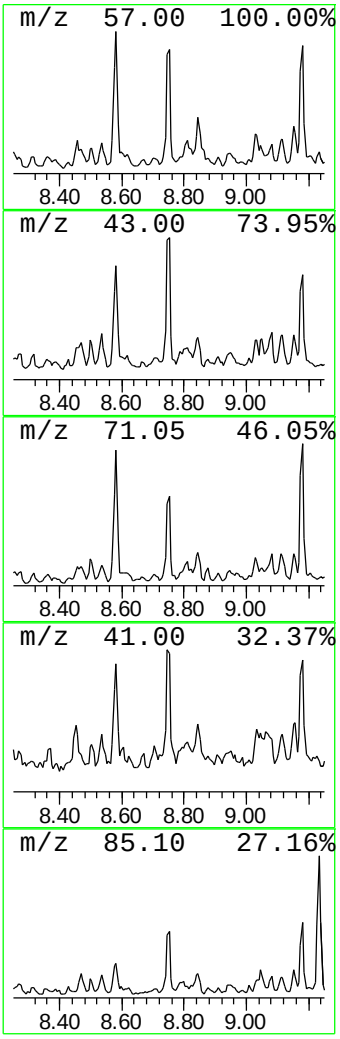
****

Peak Number 5 Hexadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	2.66 ng	248157	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	80
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
3	Tridecane	184	C13H28	000629-50-5	60
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	59
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	58





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Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

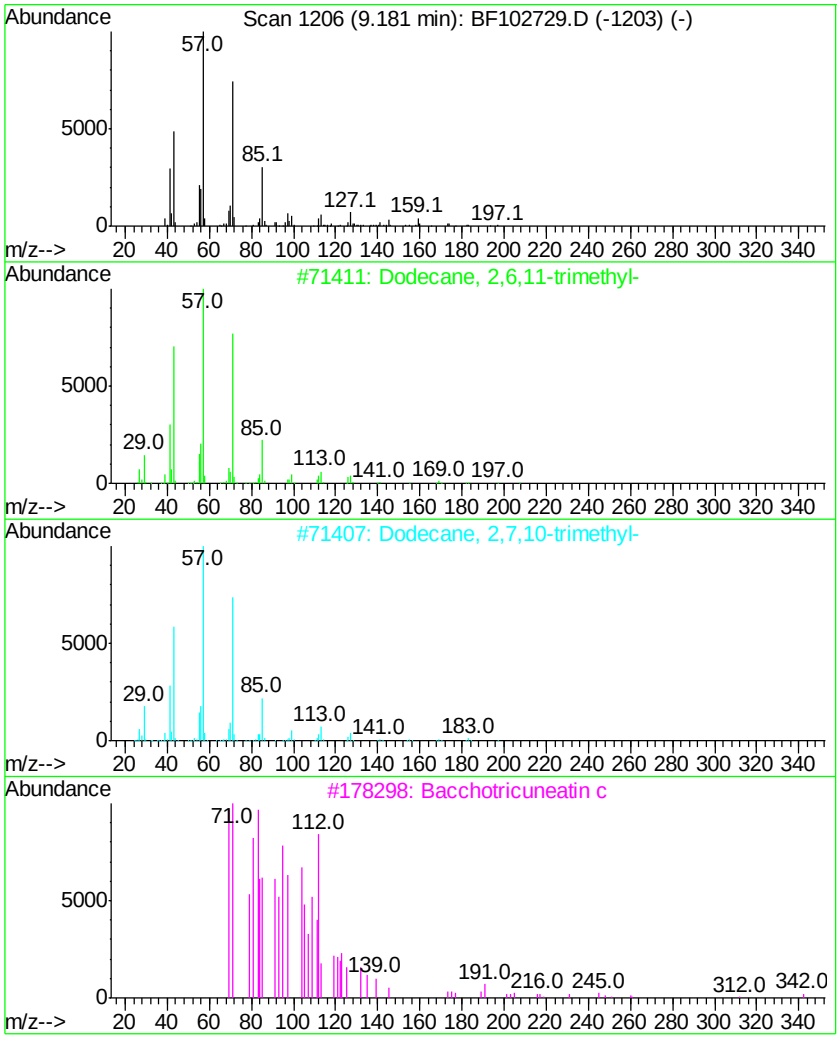
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

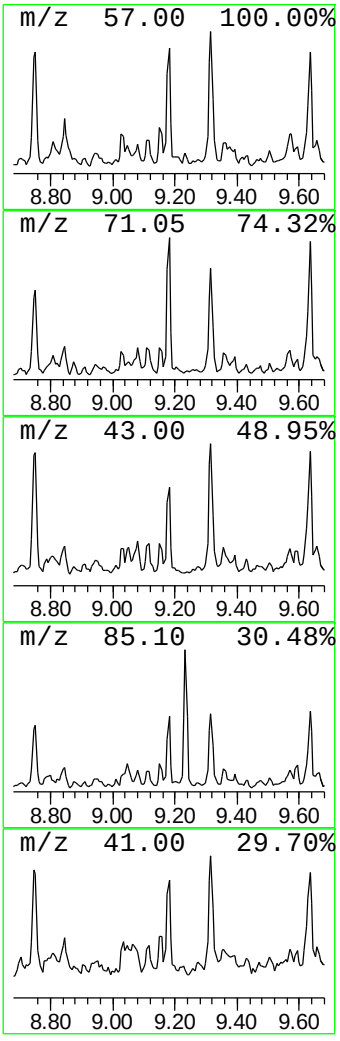
****

Peak Number 6 Dodecane, 2,6,11-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	2.71 ng	265007	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	72
4	Decane, 5-propyl-	184	C13H28	017312-62-8	64
5	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64





Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102729.D
Acq On : 5 Feb 2018 11:04
Operator : SJ/JU
Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

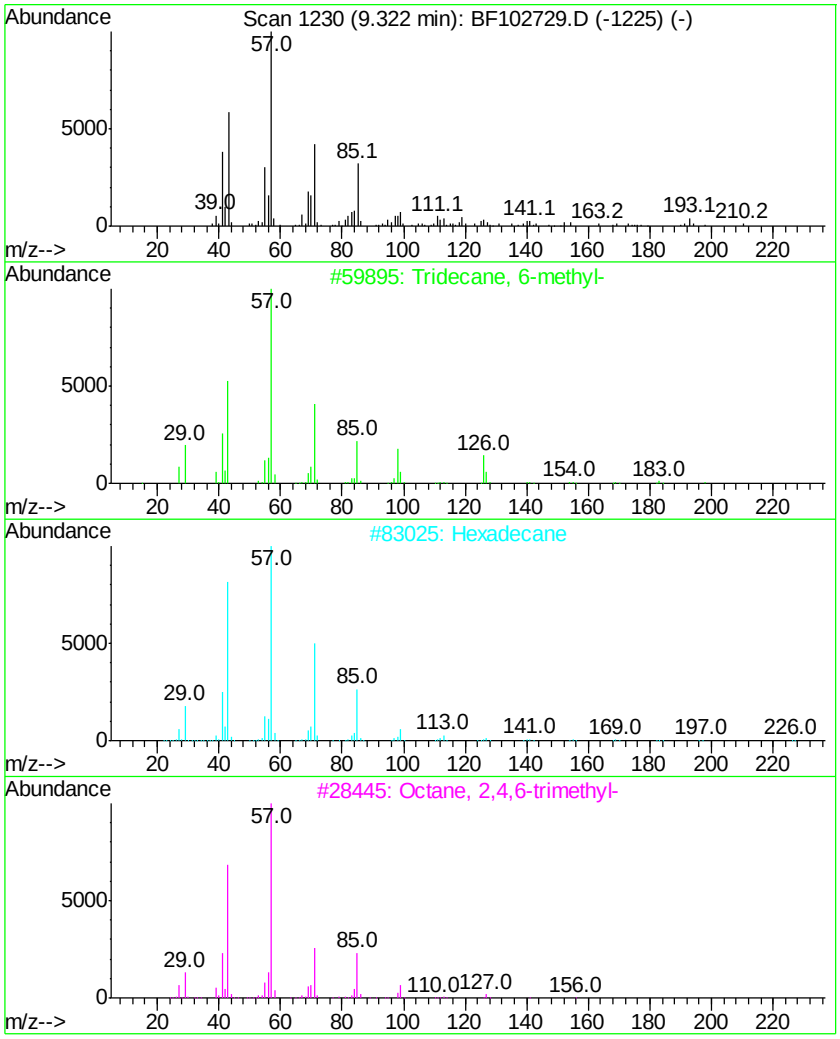
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

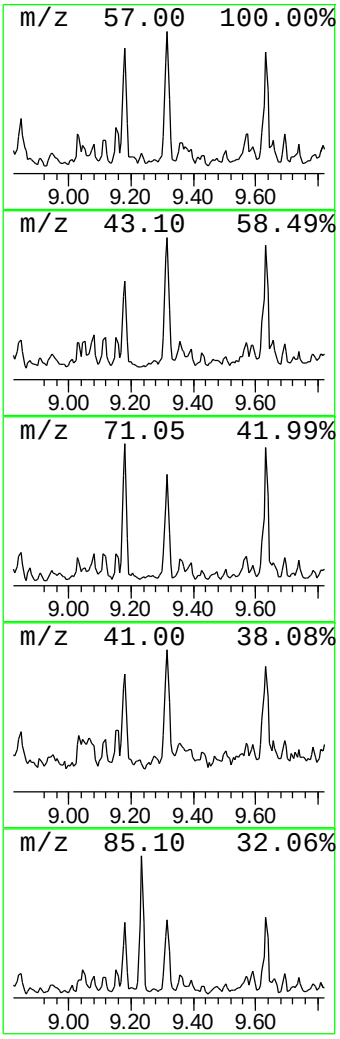
****

Peak Number 7 Tridecane, 6-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	4.06 ng	397598	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	91
2	Hexadecane	226	C16H34	000544-76-3	87
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	86
4	Nonadecane	268	C19H40	000629-92-5	80
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	80





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Acq On : 5 Feb 2018 11:04
Operator : SJ/JU
Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

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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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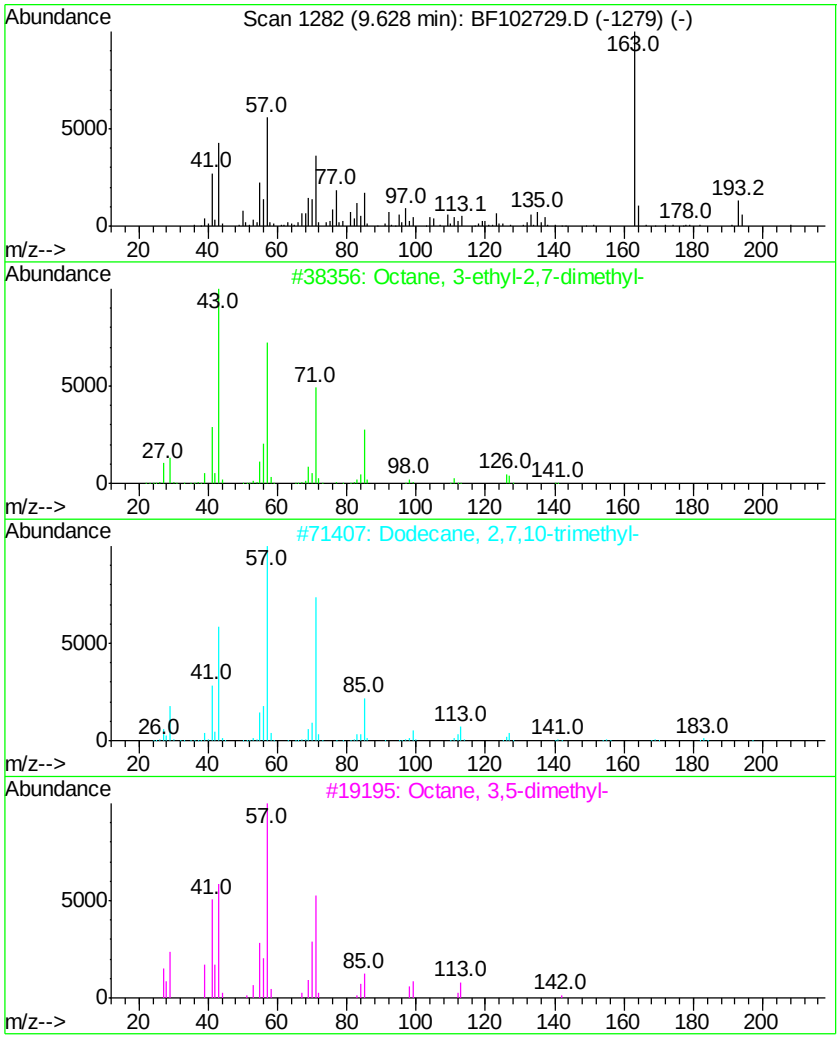
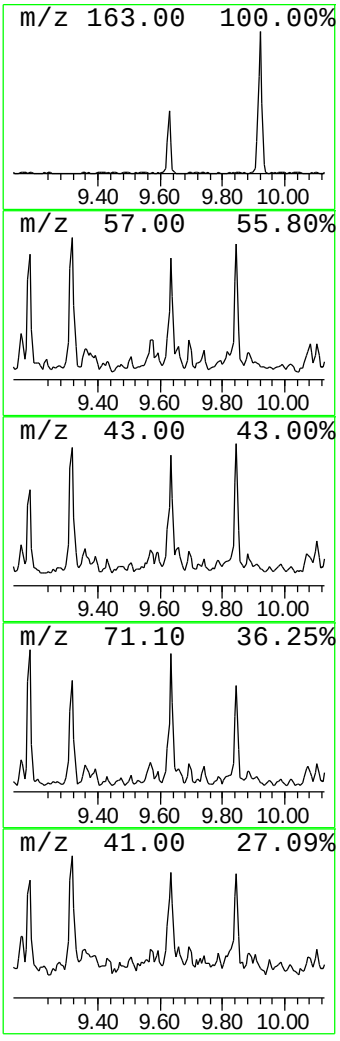
Peak Number 8 unknown9.63 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	4.42 ng	433114	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	46
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	46
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	45
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	43
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	43





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

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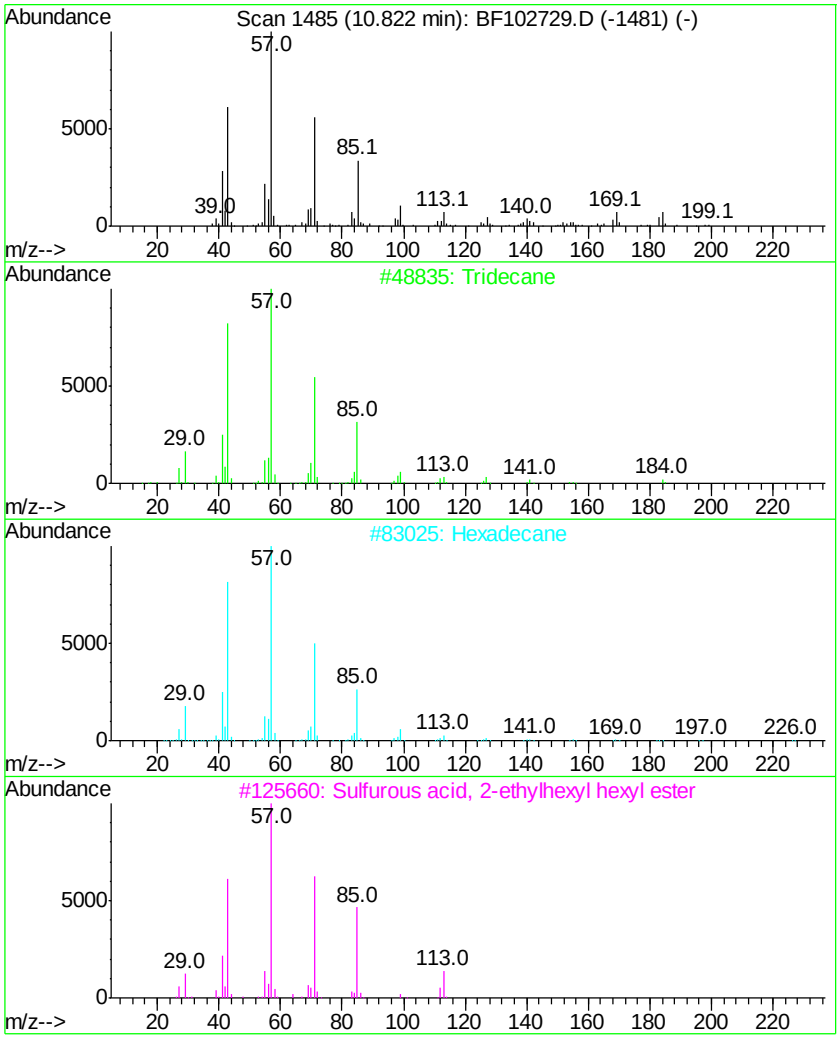
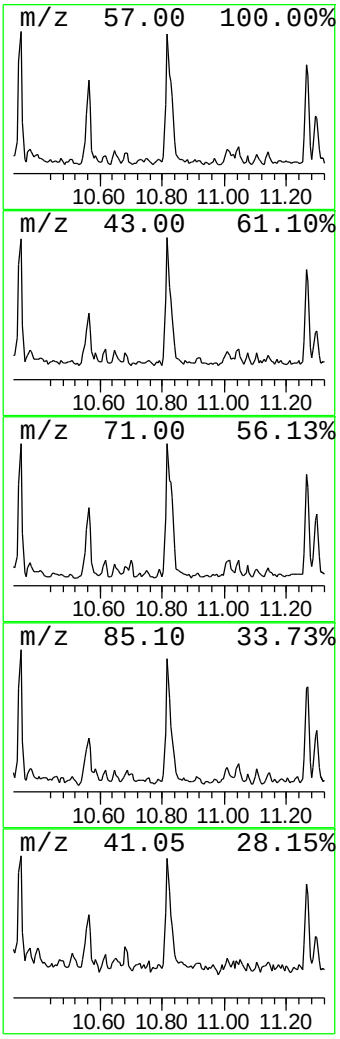
Peak Number 10 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	4.69 ng	386490	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Hexadecane	226	C16H34	000544-76-3	90
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	86
4	Decane, 2-methyl-	156	C11H24	006975-98-0	74
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	72





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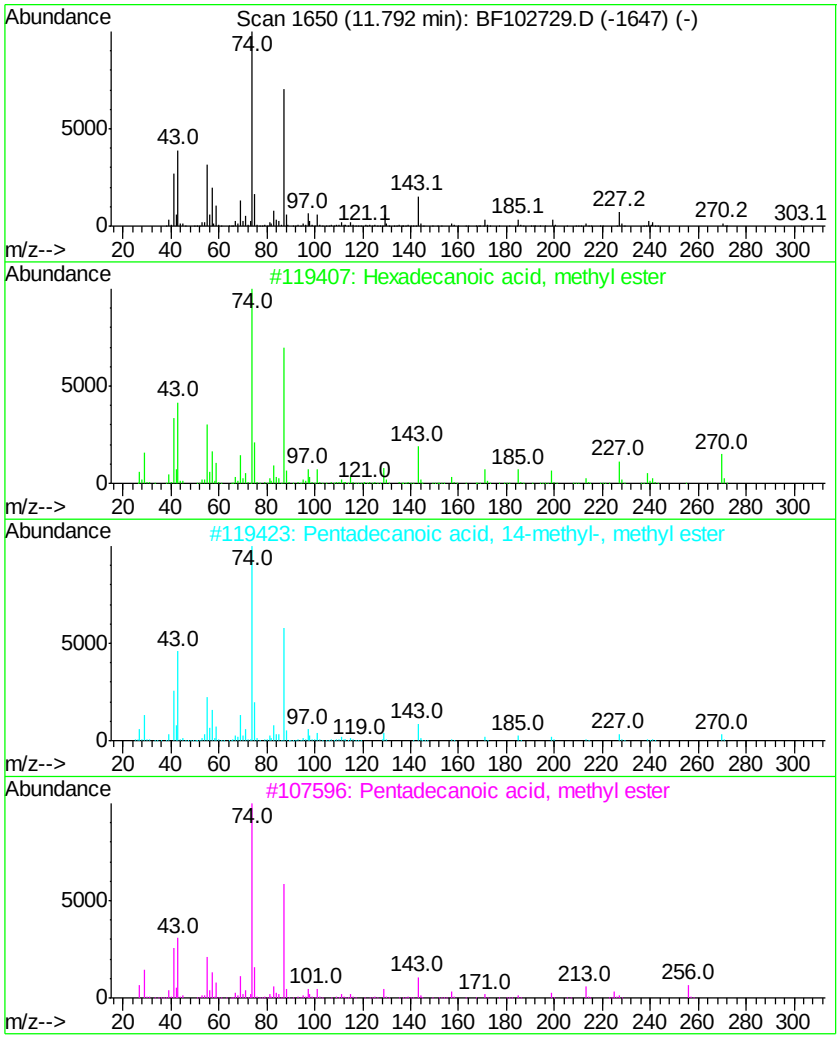
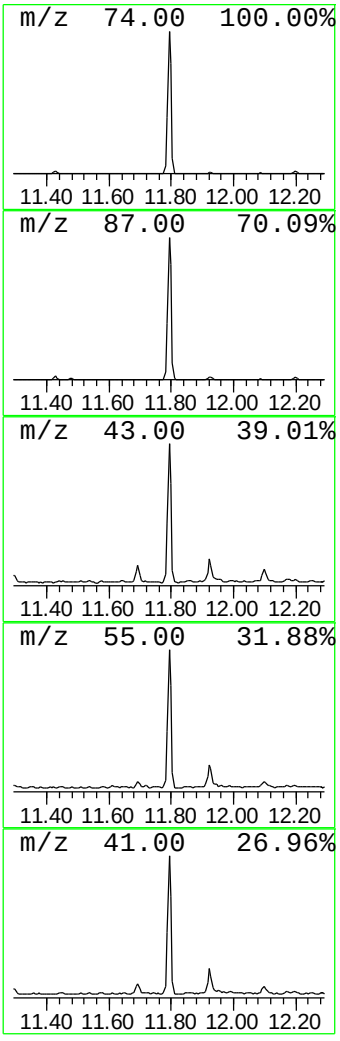
Peak Number 11 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	27.62 ng	2277270	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	94
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
4	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	90
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-020118

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
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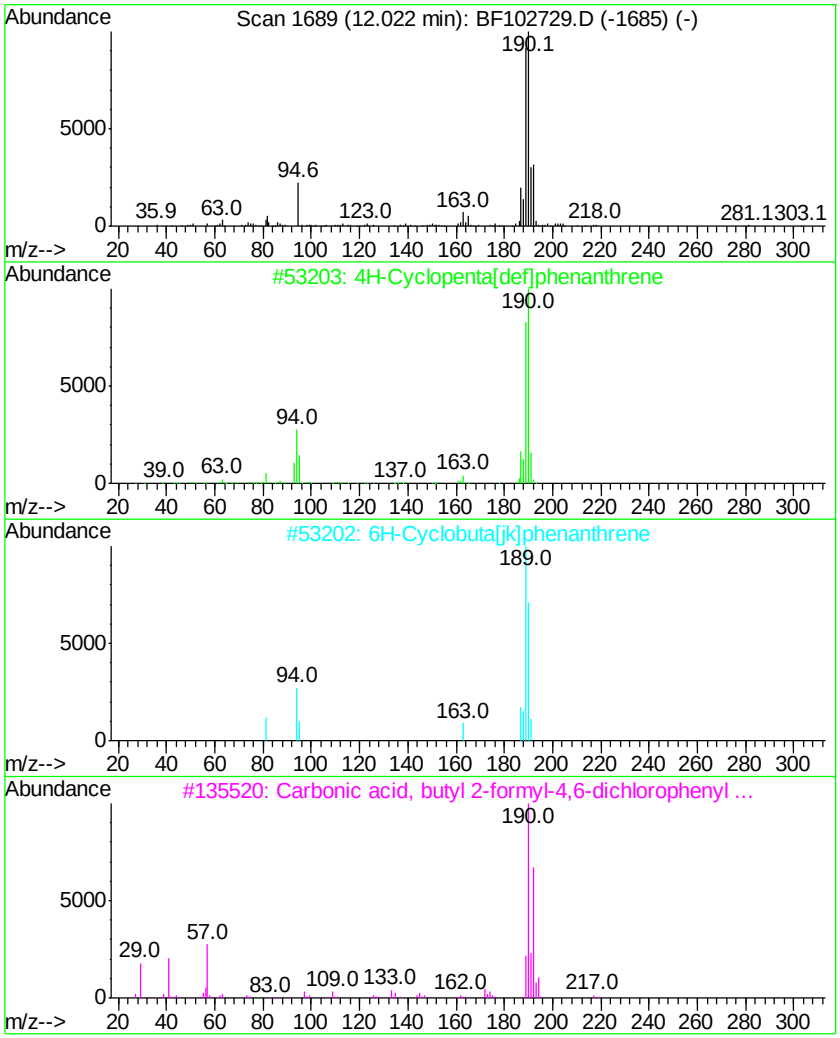
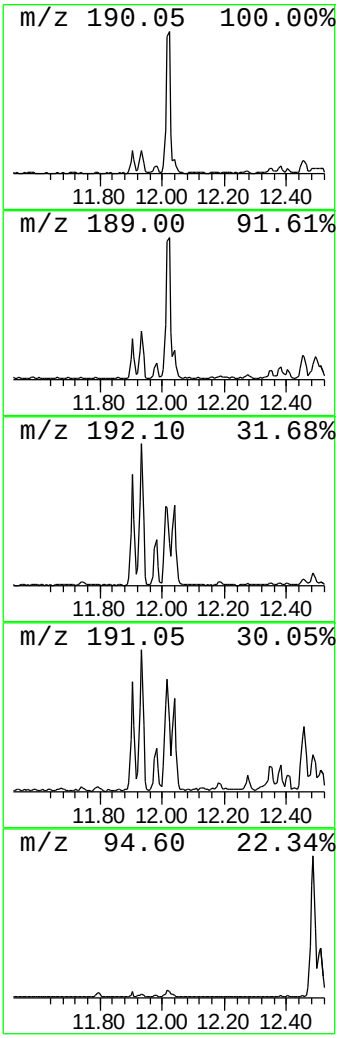
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.28 ng	270050	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	43
3	Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	35
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
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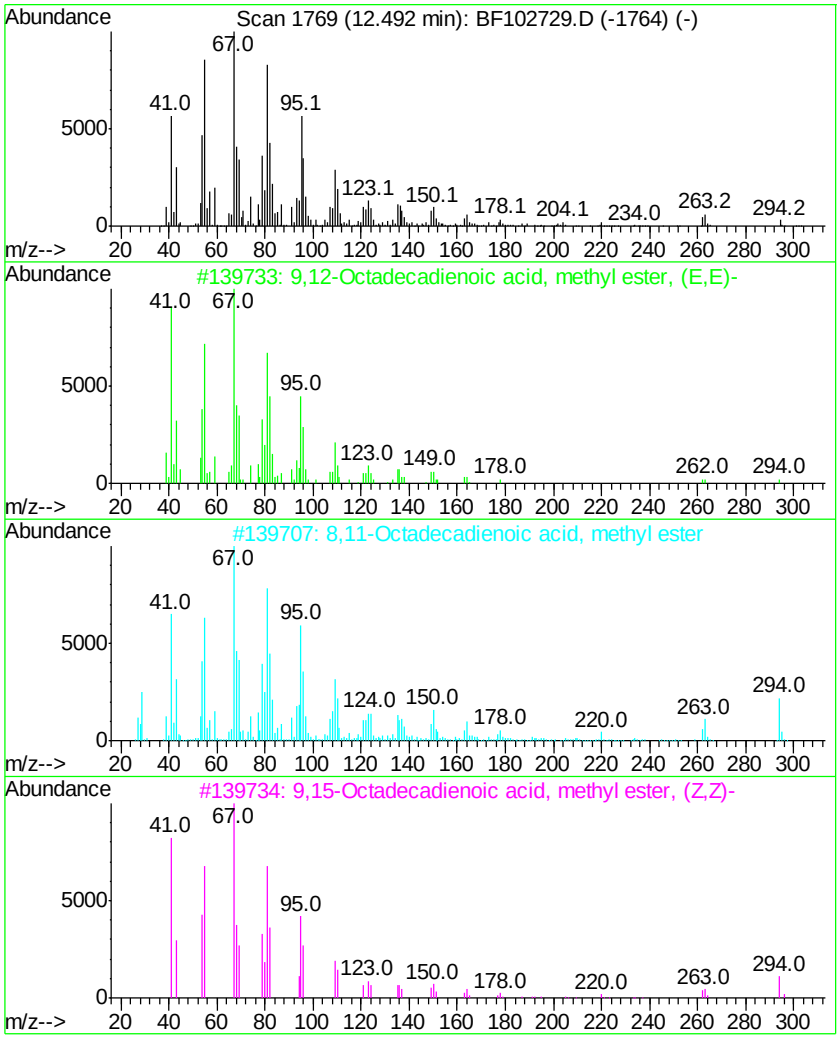
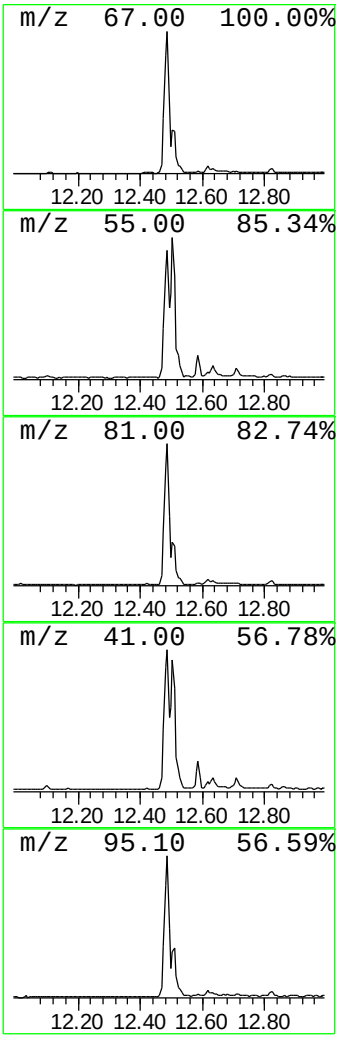
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	86.51 ng	7133670	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99





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Peak Number 15 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	51.55 ng	4250770	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
3	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
4	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
5	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	97