LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

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-BF040618.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	3.469	227	235	245	rVB	64996	107793	1.44%	0.268%
2	4.404	384	394	397	rBV	3004276	4987488	66.40%	12.417%
3	5.057	492	505	507	rBV	3328752	7510894	100.00%	18.699%
4	5.422	564	567	574	rVB	85558	84279	1.12%	0.210%
5	6.028	667	670	680	rBV	115601	134394	1.79%	0.335%
6	6.439	736	740	751	rBV	1243522	1070862	14.26%	2.666%
7	6.575	755	763	767	rBV	207896	162399	2.16%	0.404%
8	6.810	799	803	806	rBV	1020442	897614	11.95%	2.235%
9	6.863	809	812	817	rBV	187857	160270	2.13%	0.399%
10	6.963	825	829	833	rVB	2591729	2294160	30.54%	5.711%
11	7.128	854	857	861	rVB	99828	77930	1.04%	0.194%
12	7.375	894	899	902	rBV	2034923	1815227	24.17%	4.519%
13	7.992	1001	1004	1007	rBV	93638	90777	1.21%	0.226%
14	8.092	1018	1021	1024	rBV	1458916	1156341	15.40%	2.879%
15	8.680	1115	1121	1124	rBV2	84346	82568	1.10%	0.206%
16	9.169	1199	1204	1207	rBV	3663926	3314148	44.12%	8.251%
17	9.245	1213	1217	1219	rBV	183237	150499	2.00%	0.375%
18	9.280	1219	1223	1226	rVB2	104799	104380	1.39%	0.260%
19	9.504	1254	1261	1263	rBV3	72716	96928	1.29%	0.241%
20	9.563	1267	1271	1274	rVV	422928	405619	5.40%	1.010%
21	9.651	1283	1286	1291	rVB4	67566	81901	1.09%	0.204%
22	9.774	1304	1307	1309	rVV	320301	233773	3.11%	0.582%
23	9.804	1309	1312	1315	rVV	1055009	824799	10.98%	2.053%
24	9.851	1316	1320	1323	rVV	1392970	1326392	17.66%	3.302%
25	10.004	1342	1346	1349	rBV5	48774	75854	1.01%	0.189%
26	10.051	1352	1354	1358	rVB2	65218	78655	1.05%	0.196%
27	10.092	1358	1361	1365	rBV4	87045	100573	1.34%	0.250%
28	10.274	1389	1392	1395	rVB	427974	332958	4.43%	0.829%
29	10.474	1422	1426	1427	rVV	112096	106270	1.41%	0.265%
30	10.492	1427	1429	1435	rVB	126521	160882	2.14%	0.401%
31	10.751	1469	1473	1478	rBV2	525027	678959	9.04%	1.690%
32	10.816	1482	1484	1486	rVV	120425	93634	1.25%	0.233%
33	10.851	1486	1490	1493	rVV3	99001	132051	1.76%	0.329%
34	10.886	1493	1496	1498	rVV2	154344	167115	2.22%	0.416%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.957	1502	1508	1513	rVV5	117317	292589	3.90%	0.728%
36	10.998	1513	1515	1518	rVV4	122284	136246	1.81%	0.339%
37	11.033	1518	1521	1523	rVV	161248	129772	1.73%	0.323%
38	11.074	1523	1528	1536	rVV4	118928	230327	3.07%	0.573%
39	11.198	1546	1549	1552	rVV	389024	349990	4.66%	0.871%
40	11.227	1552	1554	1560	rVB2	195433	204849	2.73%	0.510%
41	11.339	1569	1573	1575	rBV	1459671	1275887	16.99%	3.176%
42	11.363	1575	1577	1580	rVV	505991	414378	5.52%	1.032%
43	11.410	1583	1585	1588	rVB	87842	76188	1.01%	0.190%
44	11.510	1599	1602	1605	rVB3	115371	99577	1.33%	0.248%
45	11.574	1610	1613	1616	rVV2	59830	80482	1.07%	0.200%
46	11.627	1619	1622	1625	rVB	258464	208831	2.78%	0.520%
47	11.868	1660	1663	1669	rVB2	95676	99928	1.33%	0.249%
48	11.951	1674	1677	1679	rVV2	104767	118826	1.58%	0.296%
49	12.033	1688	1691	1695	rBV	212614	172720	2.30%	0.430%
50	12.386	1748	1751	1754	rBV2	78142	84610	1.13%	0.211%
51	12.421	1754	1757	1760	rBV	183612	180027	2.40%	0.448%
52	12.551	1776	1779	1784	rBV	576823	491358	6.54%	1.223%
53	12.780	1813	1818	1824	rBV	475116	593865	7.91%	1.478%
54	12.927	1839	1843	1846	rBV	2789173	2641155	35.16%	6.575%
55	13.462	1931	1934	1937	rBV2	568537	488064	6.50%	1.215%
56	13.551	1947	1949	1953	rVB	156455	131316	1.75%	0.327%
57	13.815	1992	1994	1998	rVB2	215588	225807	3.01%	0.562%
58	13.980	2018	2022	2025	rBV2	901524	962084	12.81%	2.395%
59	14.009	2025	2027	2029	rVB	147513	117266	1.56%	0.292%
60	15.021	2195	2199	2202	rBV2	136134	212618	2.83%	0.529%
61	15.380	2257	2260	2266	rVV	116222	155310	2.07%	0.387%
62	15.445	2267	2271	2280	rVB	638739	895411	11.92%	2.229%

Sum of corrected areas: 40167867

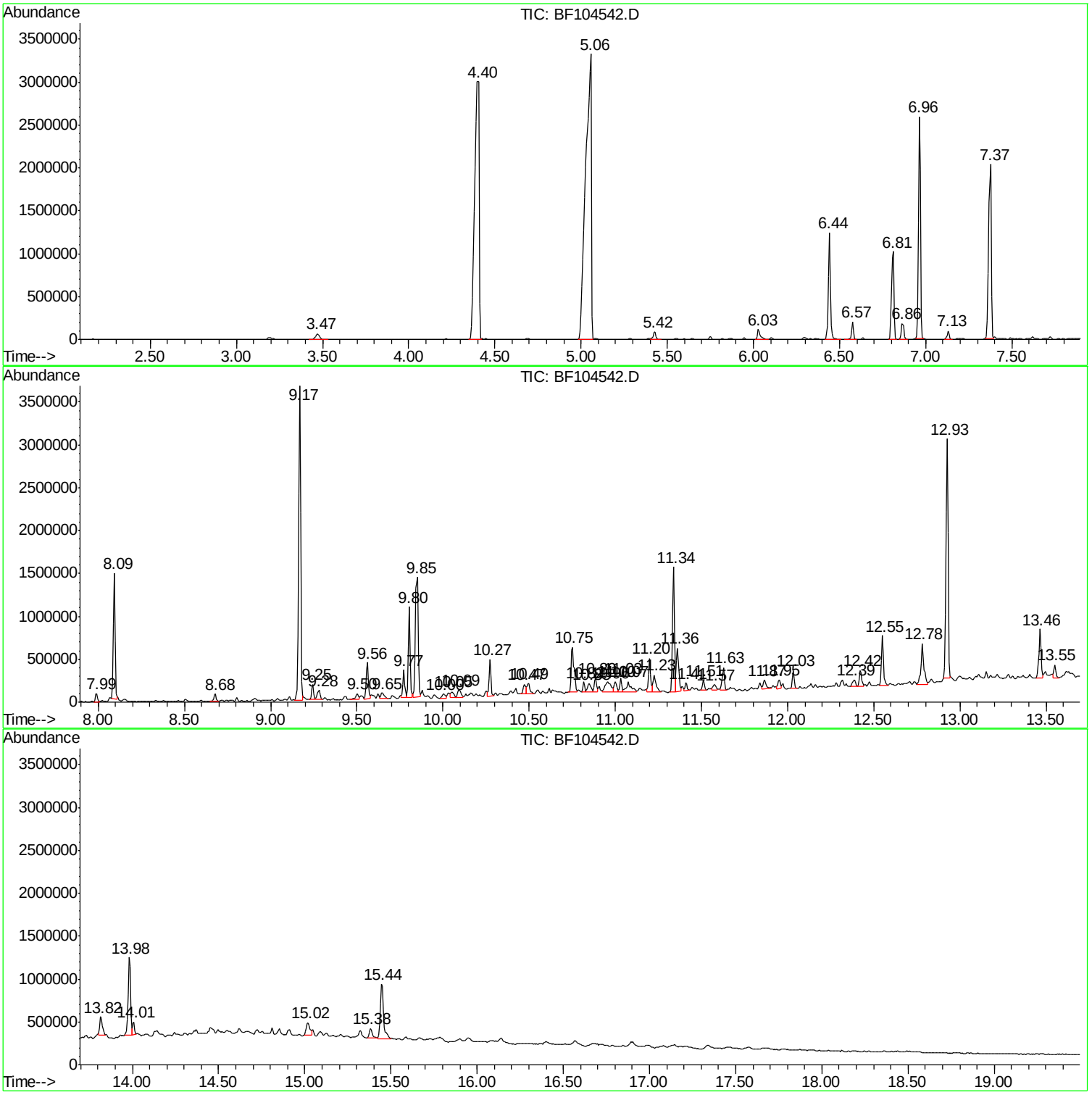
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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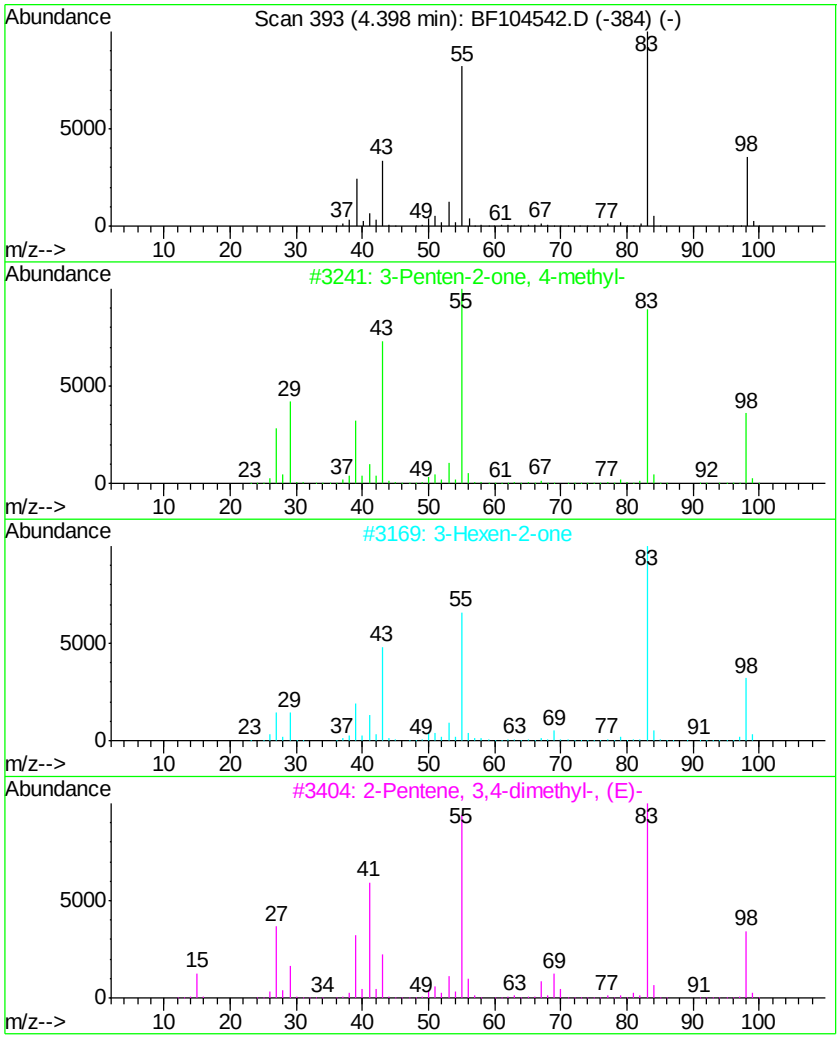
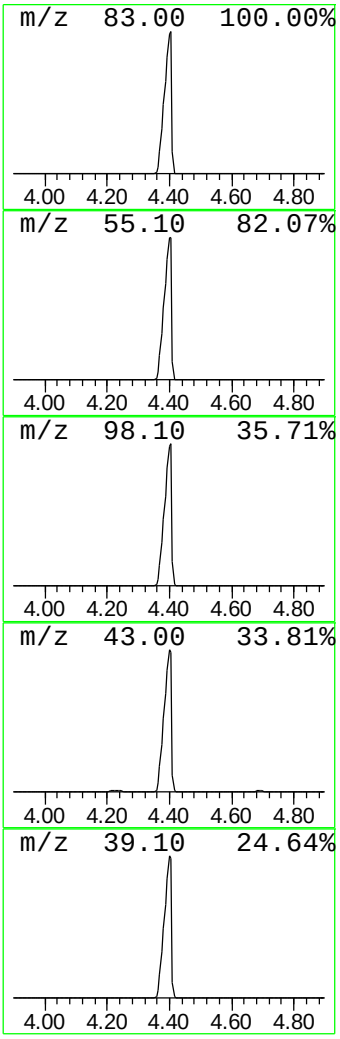
Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	111.13 ng	4987490	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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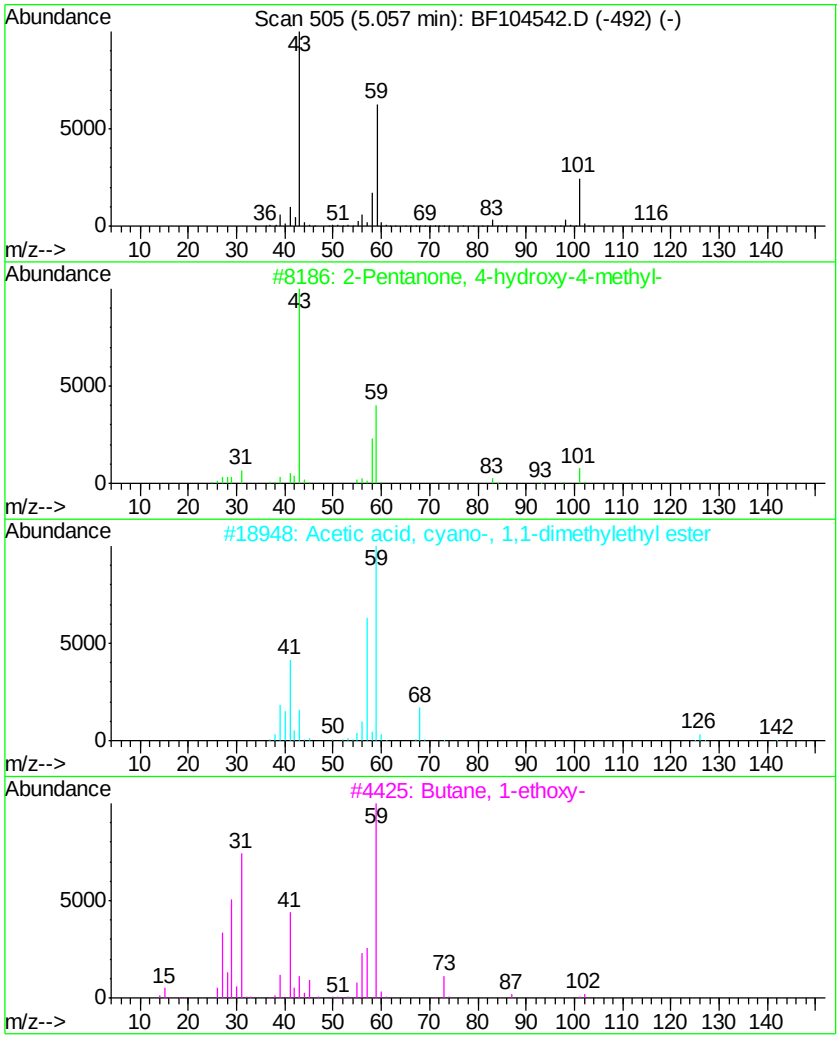
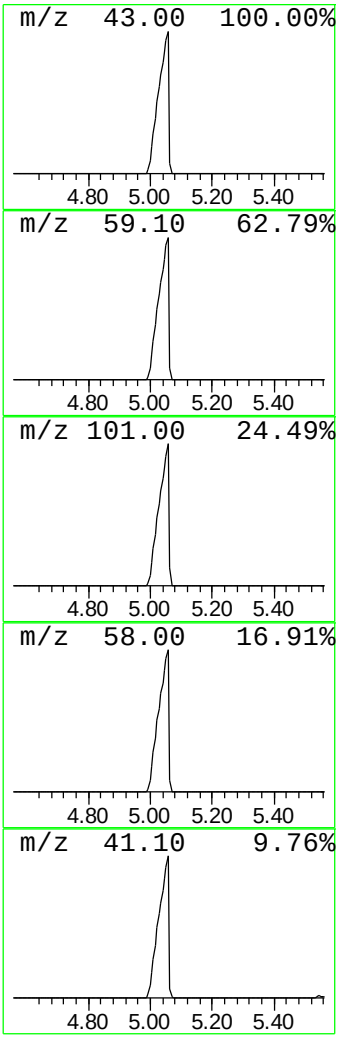
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	167.35 ng	7510890	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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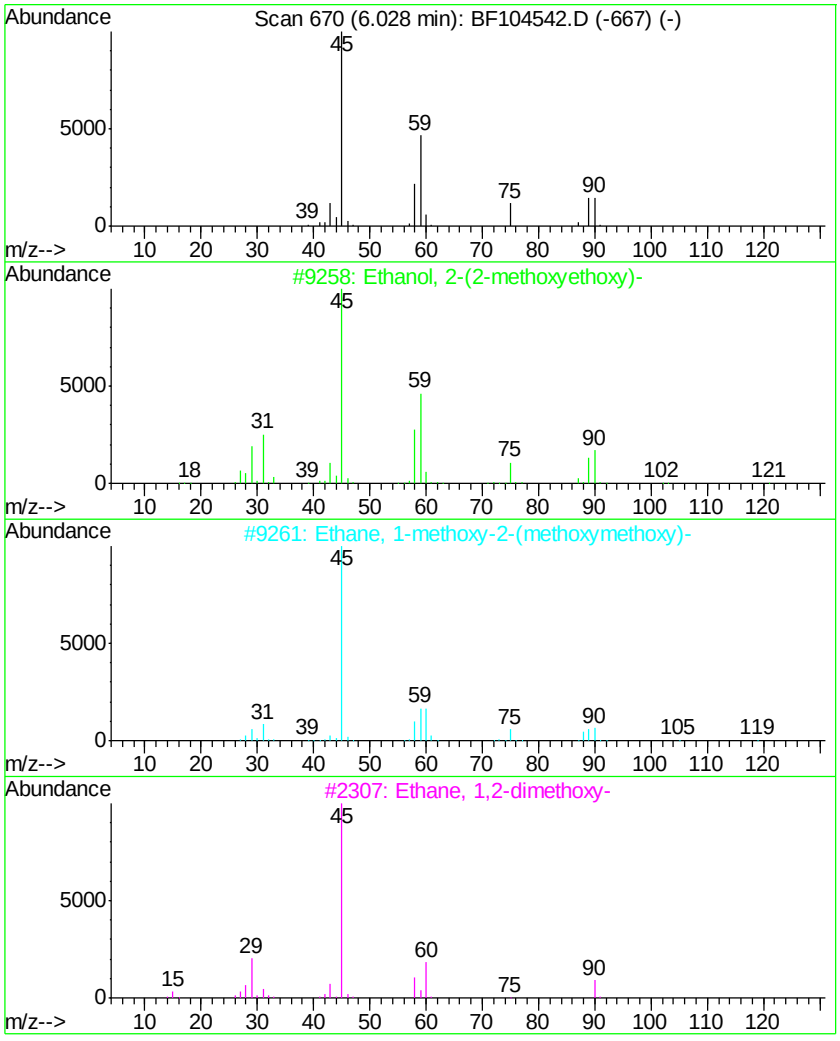
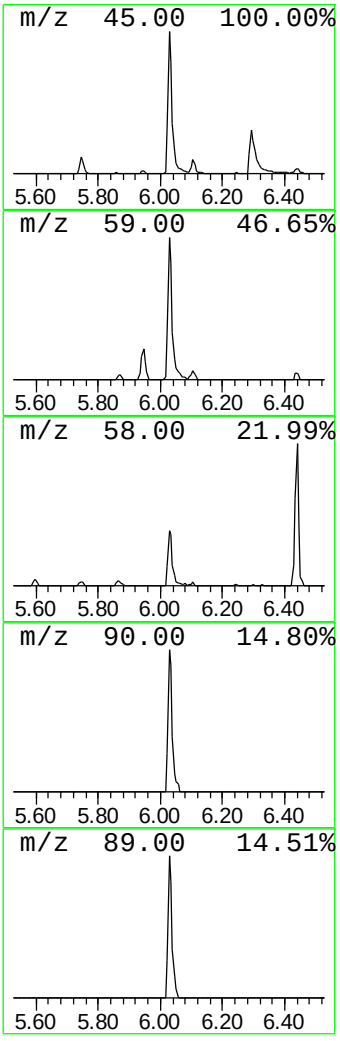
Peak Number 3 Ethanol, 2-(2-methoxyethoxy)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	2.99 ng	134394	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	90
2	Ethane, 1-methoxy-2-(methoxymeth...	120	C5H12O3	074498-88-7	50
3	Ethane, 1,2-dimethoxy-	90	C4H10O2	000110-71-4	47
4	Dimethyl-cyano-phosphine	87	C3H6NP	031641-57-3	40
5	Diazene, 2-methoxy-1-methyl-, 1-...	90	C2H6N2O2	090994-12-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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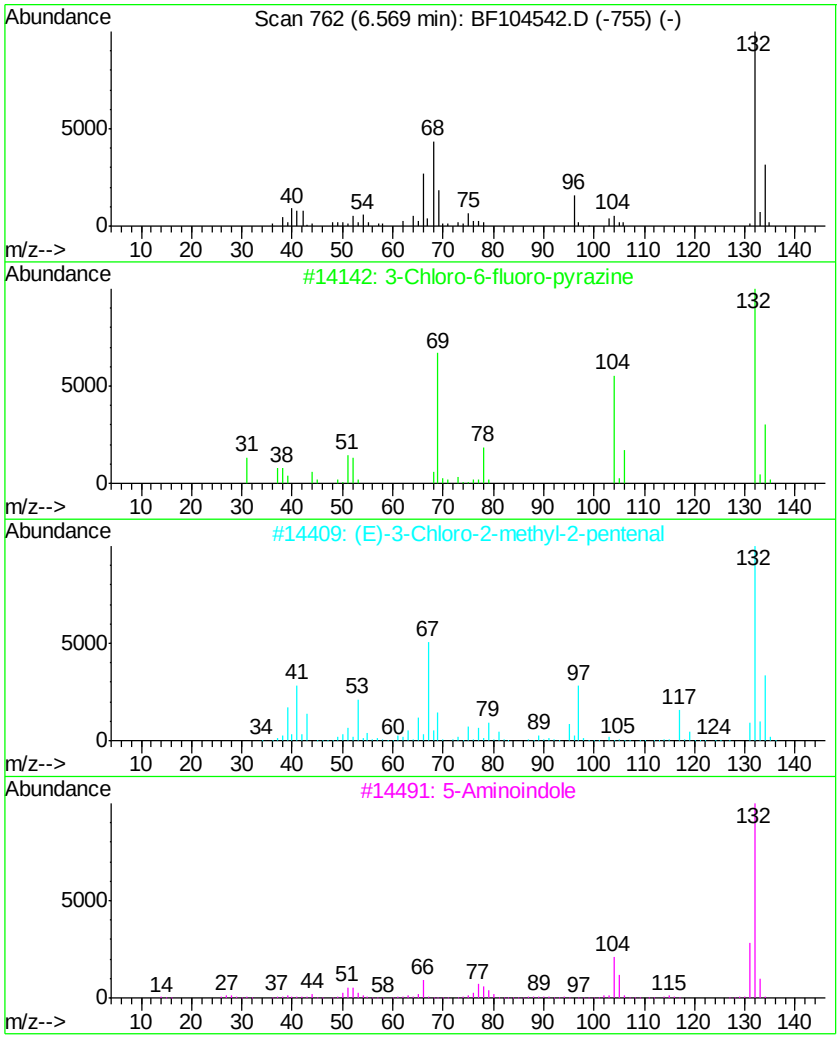
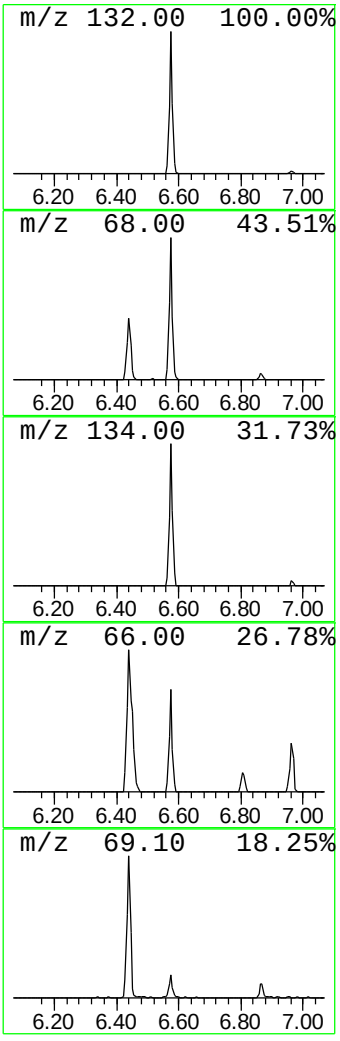
Peak Number 4 unknown6.57 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	3.62 ng	162399	1,4-Dichlorobenzene-d4	6.81

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	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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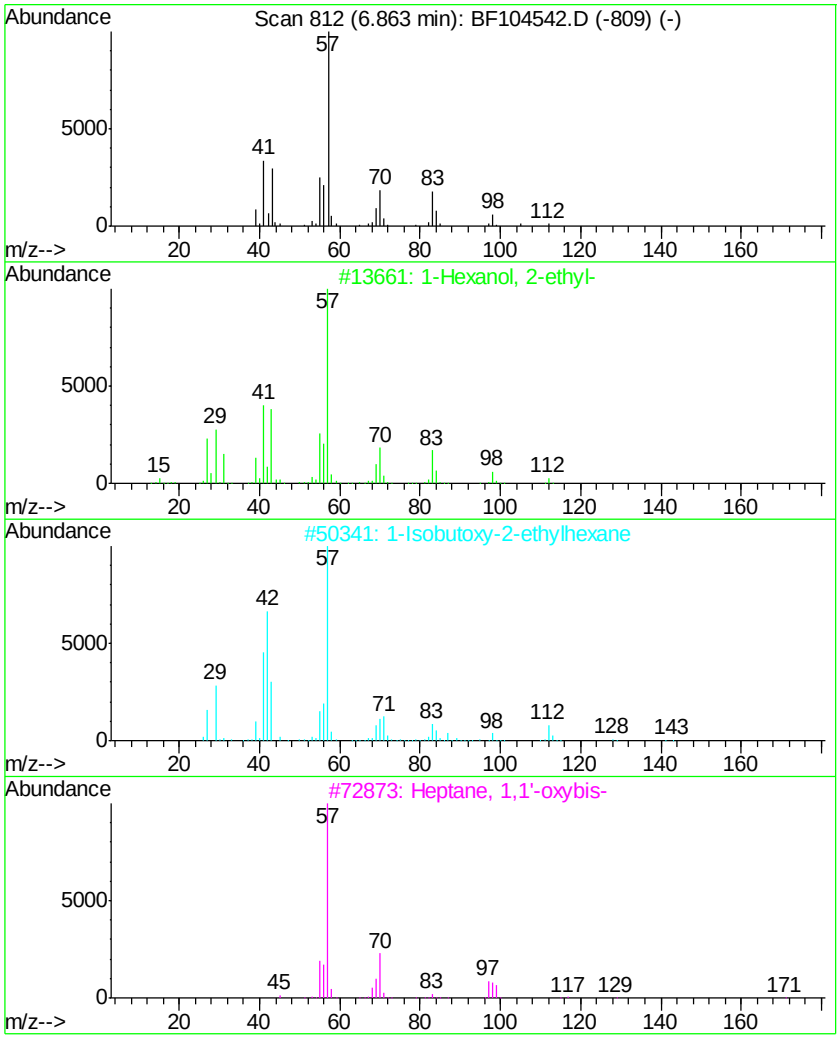
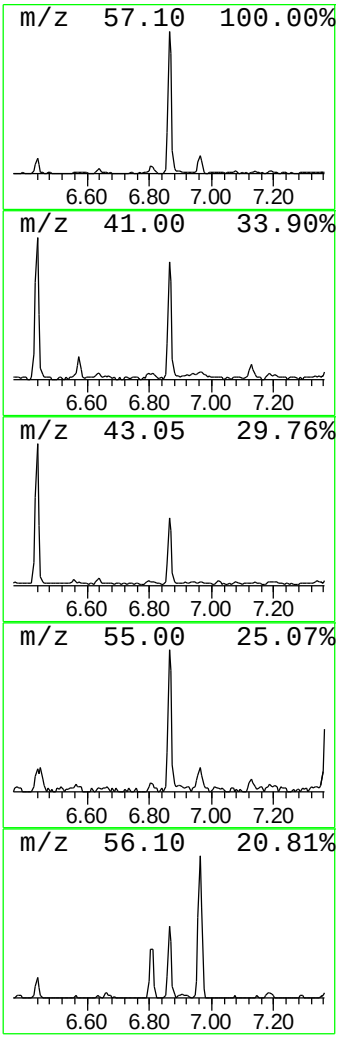
Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.57 ng	160270	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2	1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	64
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	59
4	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	50
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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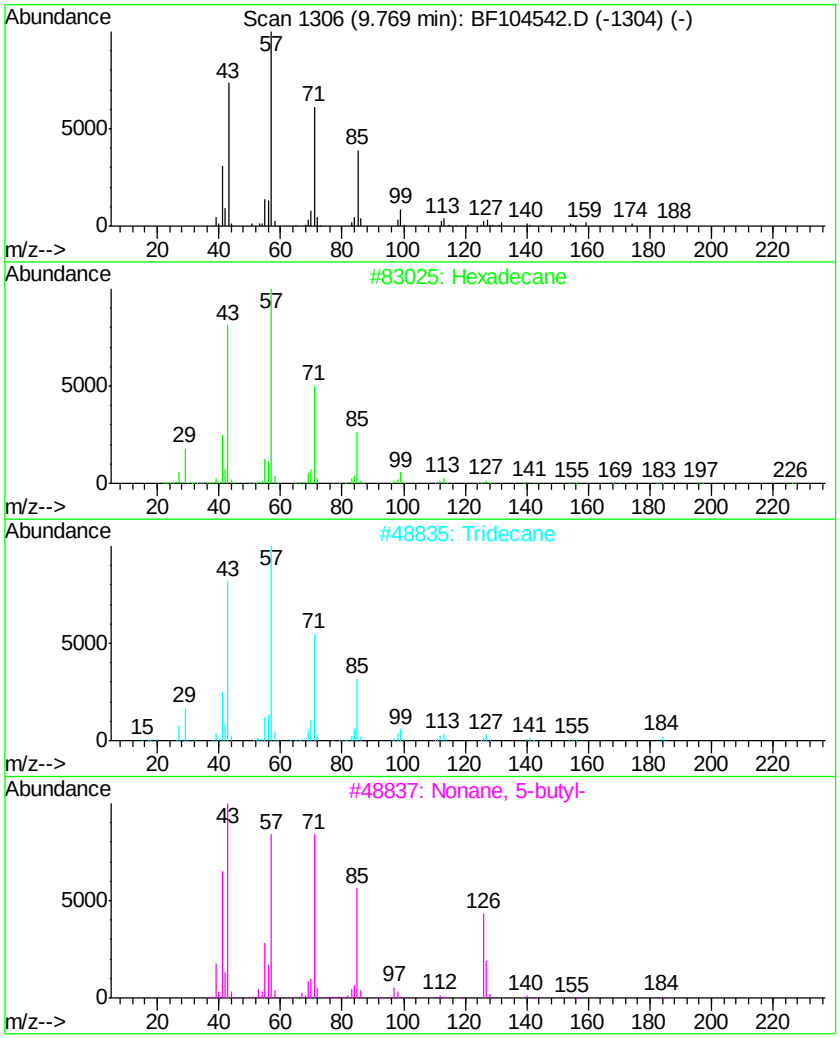
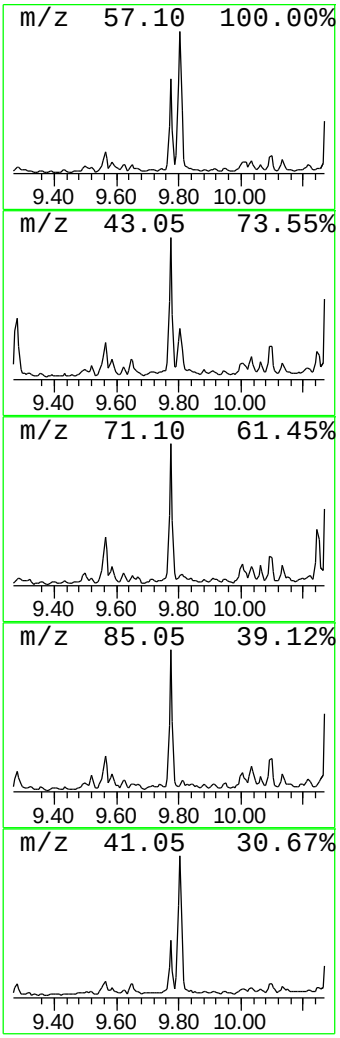
Peak Number 7 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	3.52 ng	233773	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	80
2	Tridecane	184	C13H28	000629-50-5	64
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	64
4	Undecane, 3-ethyl-	184	C13H28	017312-58-2	64
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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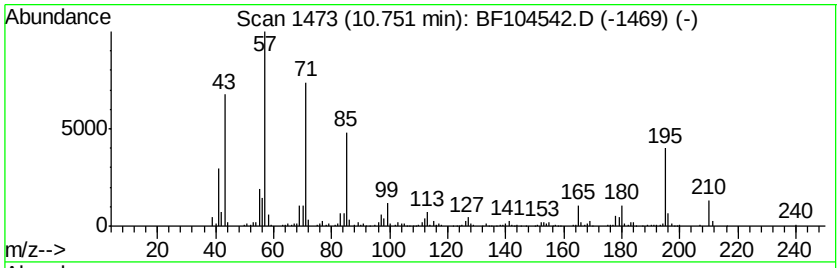
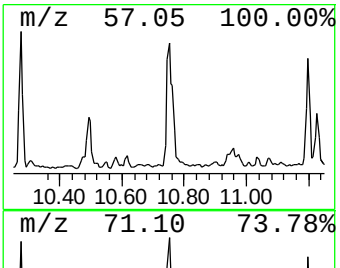
Peak Number 9 Pentadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	10.64 ng	678959	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	58
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	58
3	Tetradecane	198	C14H30	000629-59-4	52
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	52
5	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
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Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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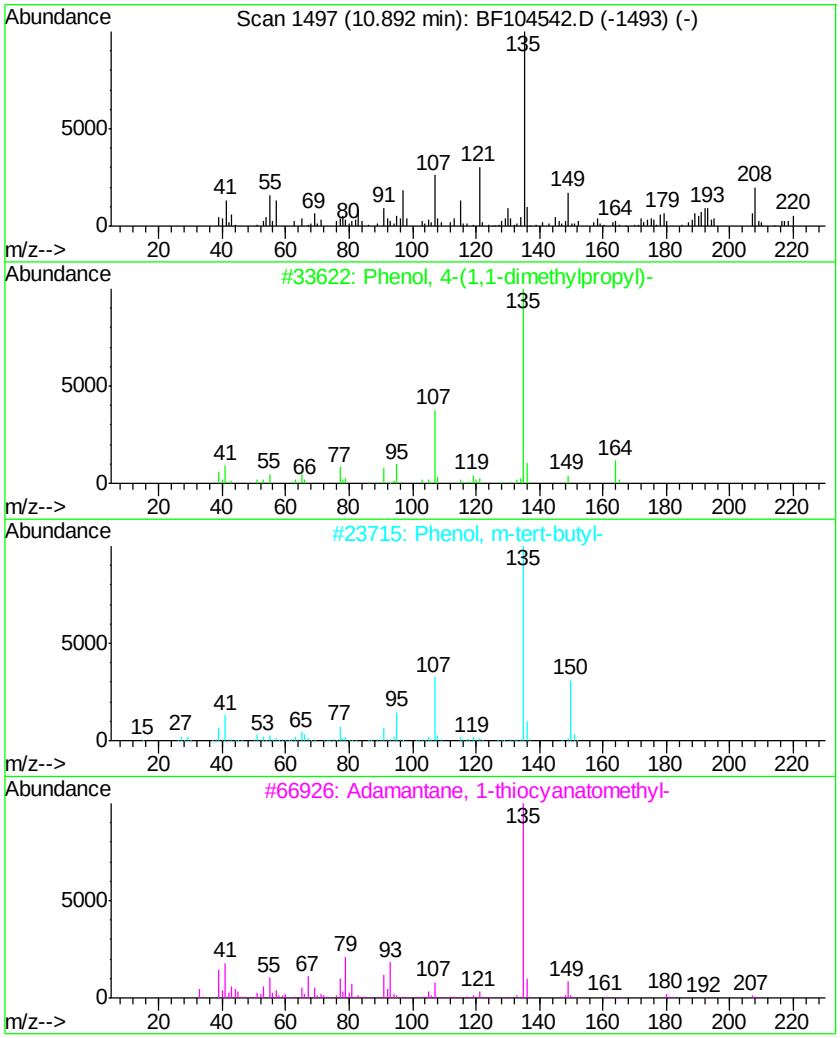
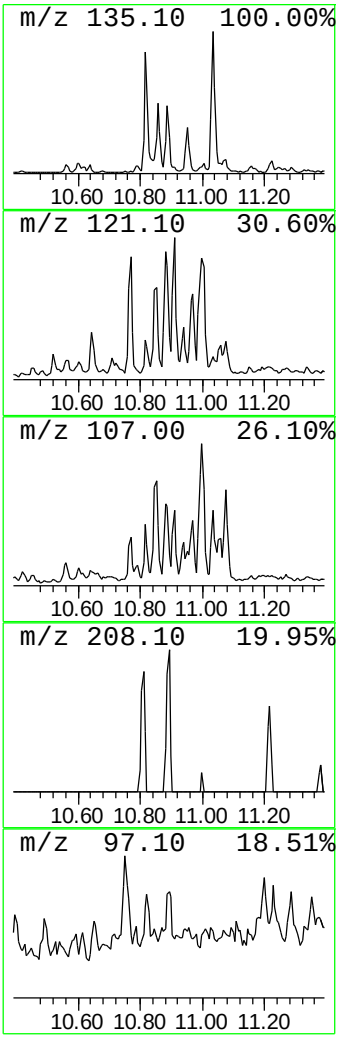
Peak Number 10 unknown10.89 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	2.62 ng	167115	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	47
2	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	47
3	Adamantane, 1-thiocyanatomethyl-	207	C12H17NS	1000304-65-8	38
4	Adamantane-1-carboxylic acid	180	C11H16O2	000828-51-3	38
5	Benzeneacetonitrile, 4-fluoro-	135	C8H6FN	000459-22-3	35





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Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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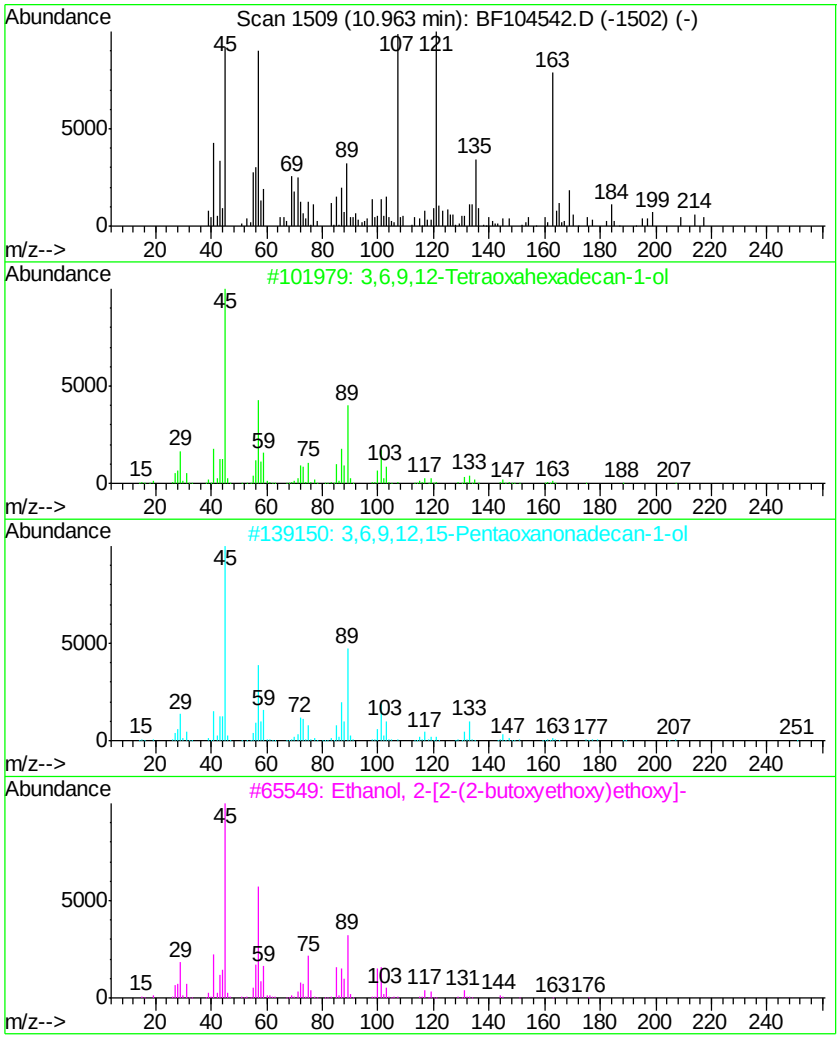
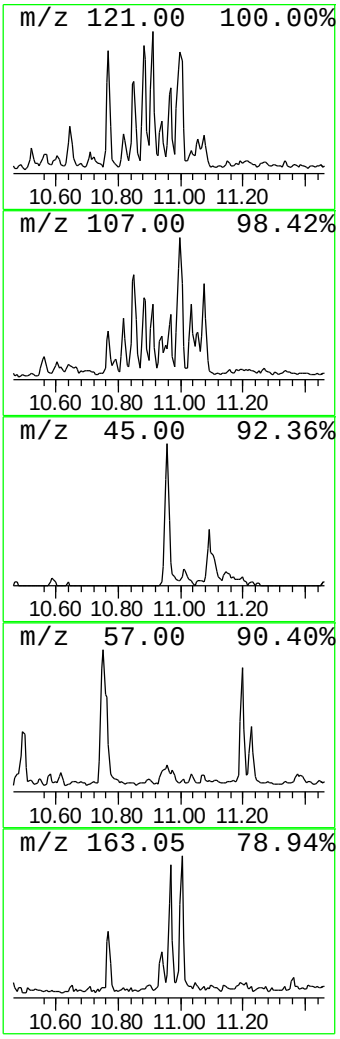
Peak Number 11 unknown10.96 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	4.59 ng	292589	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,9,12-Tetraoxahexadecan-1-ol	250	C12H26O5	001559-34-8	46
2	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	41
3	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	35
4	Hexaethylene glycol	282	C12H26O7	002615-15-8	27
5	1,4,7,10,13,16-Hexaoxanonadecane...	320	C16H32O6	1000163-65-3	27





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Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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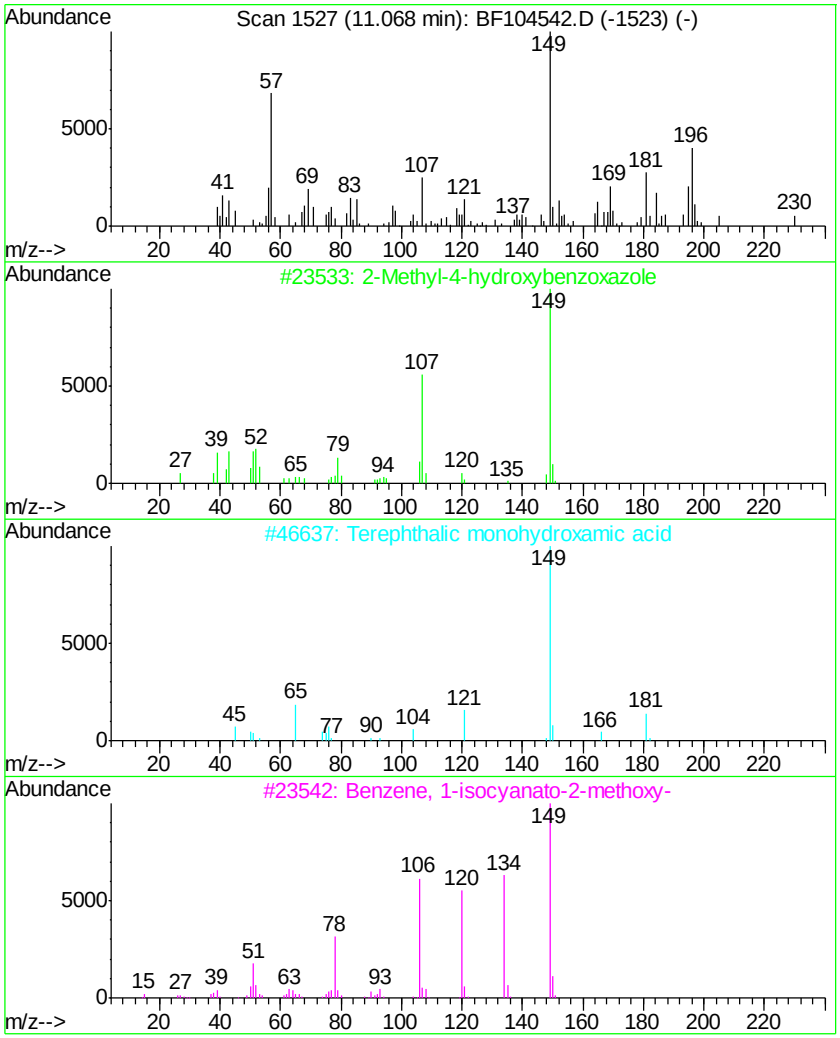
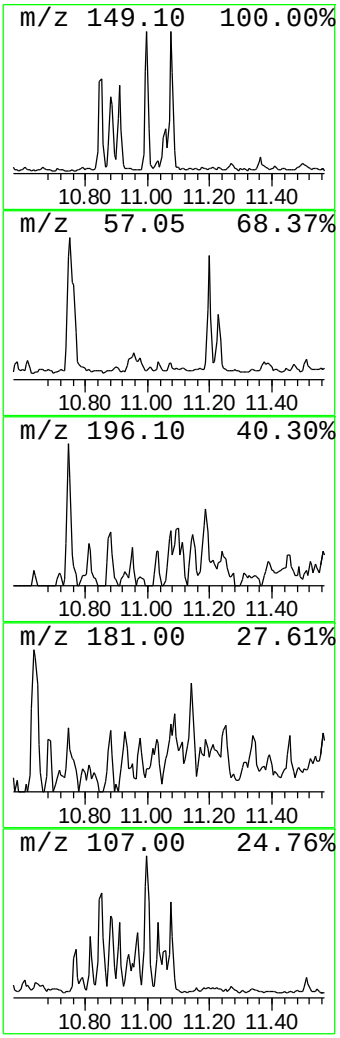
Peak Number 12 2-Methyl-4-hydroxybenzoxazole Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	3.61 ng	230327	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	53
2	Terephthalic monohydroxamic acid	181	C8H7NO4	022372-40-3	47
3	Benzene, 1-isocyanato-2-methoxy-	149	C8H7NO2	000700-87-8	43
4	Pyridine-3-carboxamide, 4-dimeth...	277	C14H13F2N3O	1000266-41-1	43
5	7-Methylthieno[3,2-b]pyridine	149	C8H7NS	013362-83-9	43





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Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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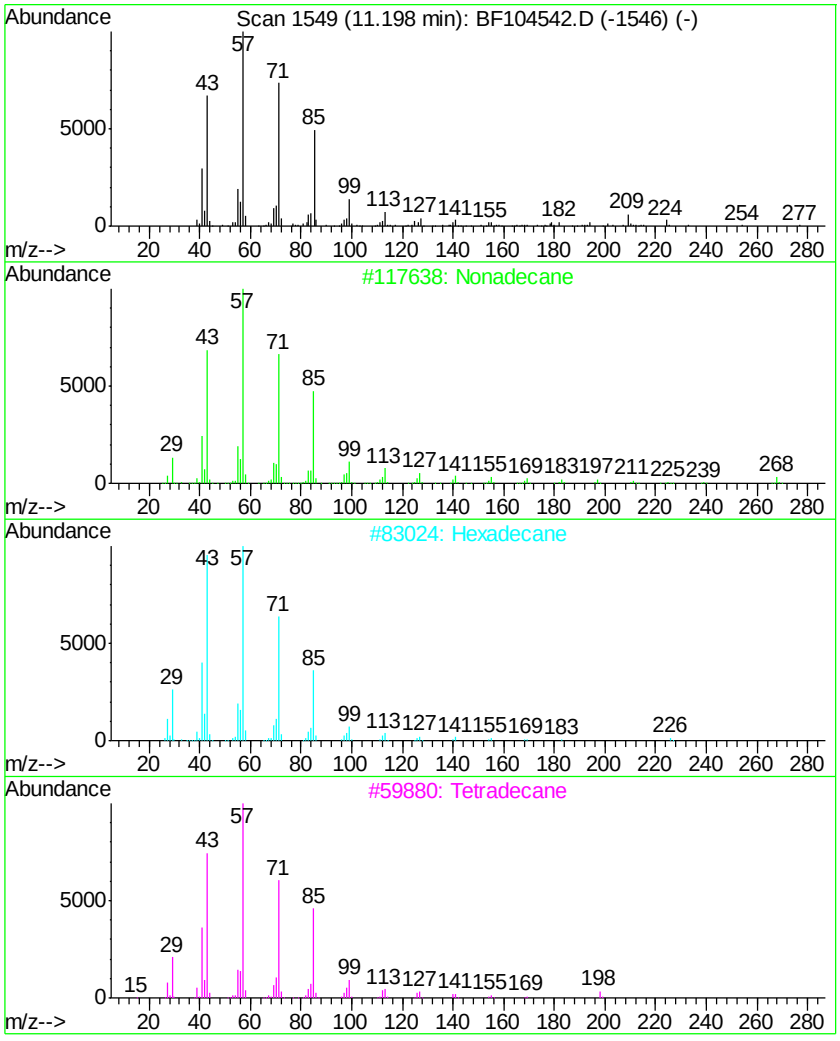
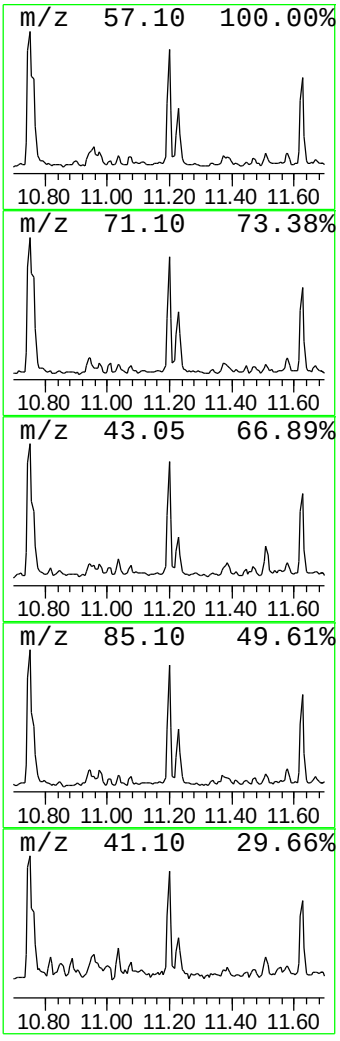
Peak Number 13 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	5.49 ng	349990	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	87
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tetradecane	198	C14H30	000629-59-4	86
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
5	Heneicosane	296	C21H44	000629-94-7	86





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Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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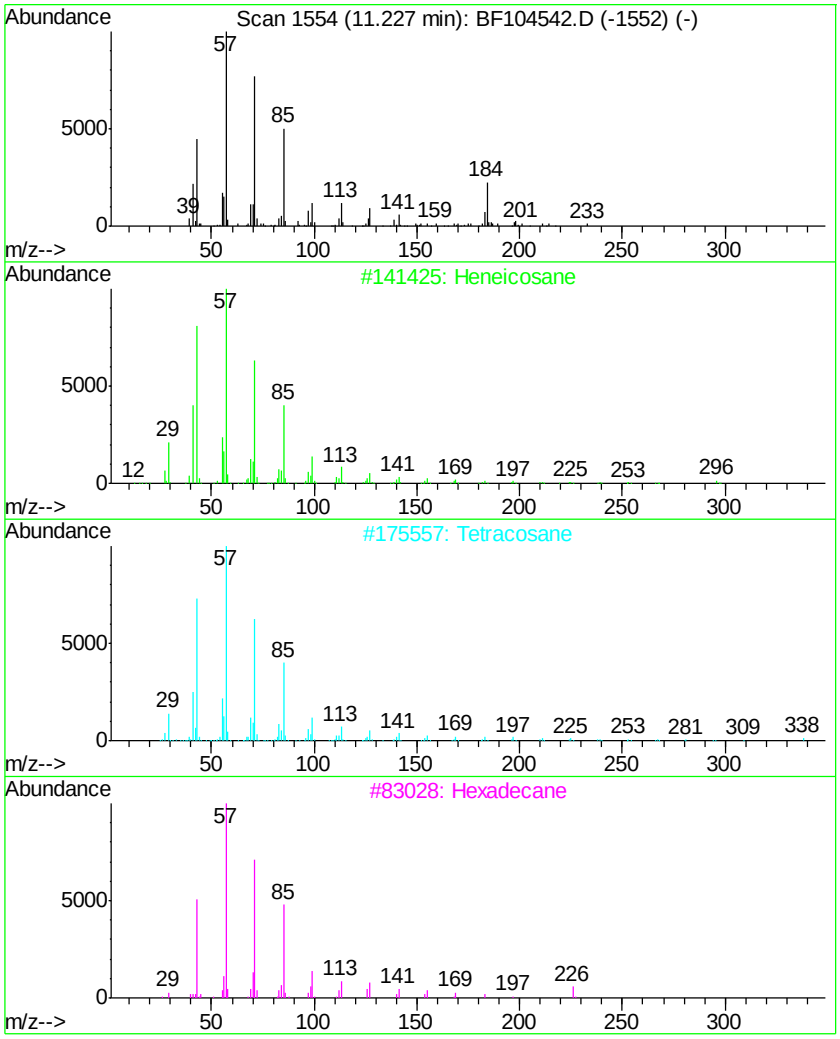
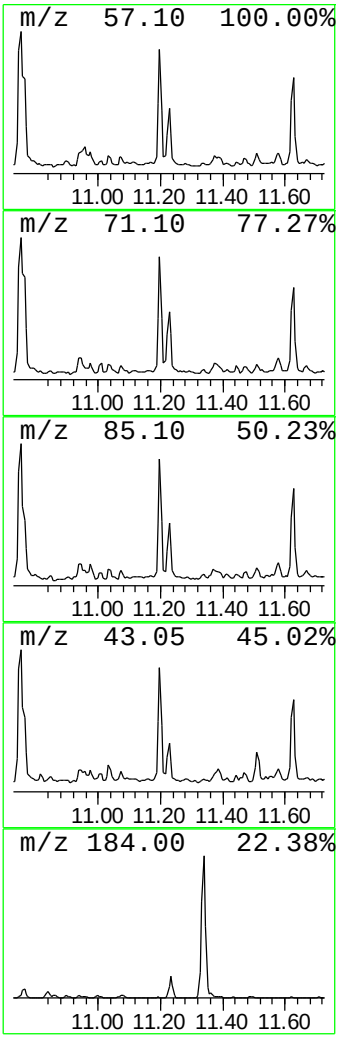
Peak Number 14 Heneicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	3.21 ng	204849	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	83
2	Tetracosane	338	C24H50	000646-31-1	80
3	Hexadecane	226	C16H34	000544-76-3	80
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	74
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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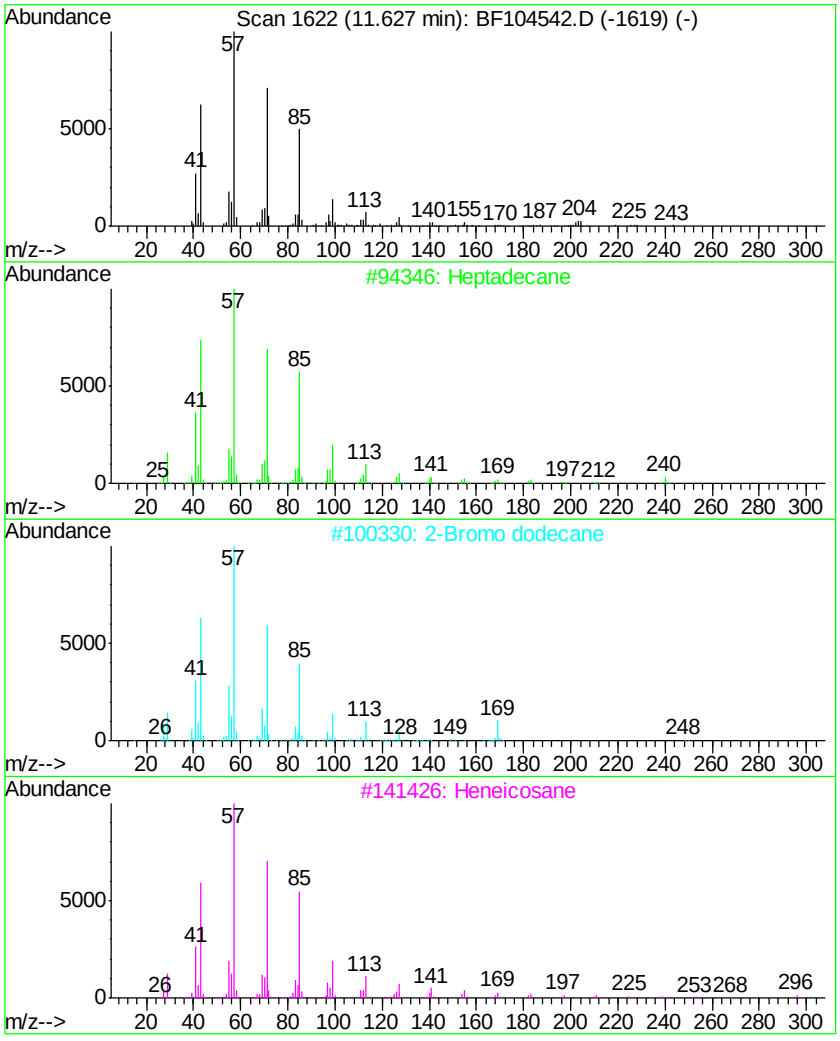
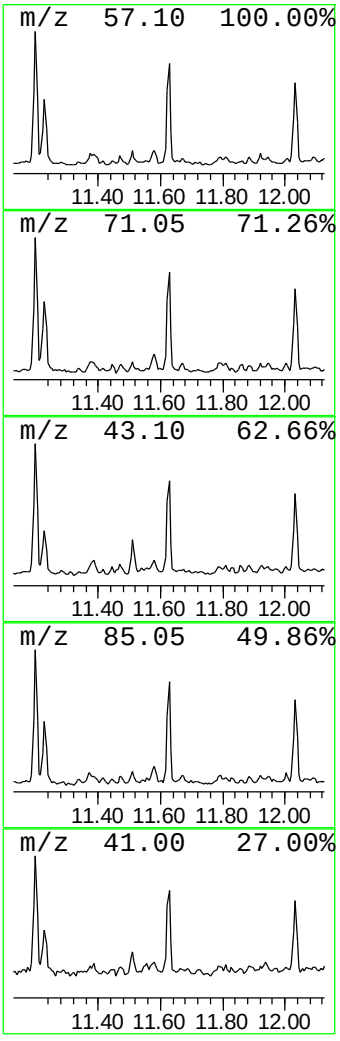
Peak Number 15 Heptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	3.27 ng	208831	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
3	Heneicosane	296	C21H44	000629-94-7	86
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5	Tetradecane	198	C14H30	000629-59-4	86





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Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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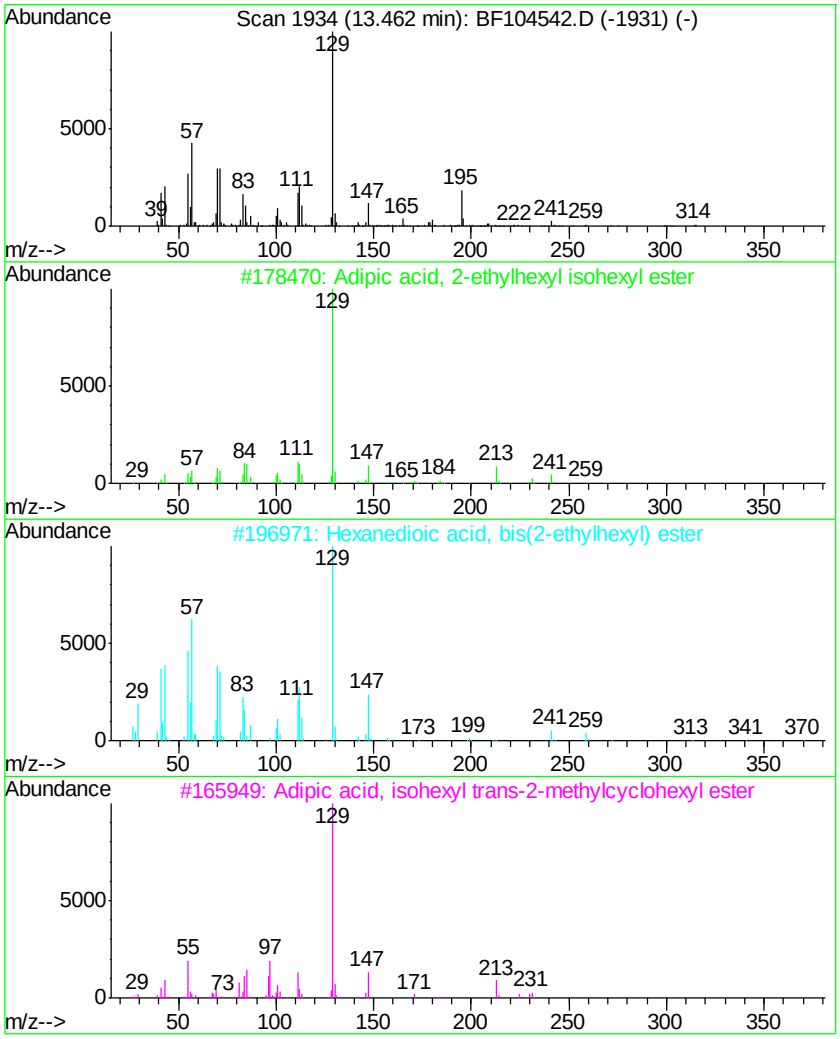
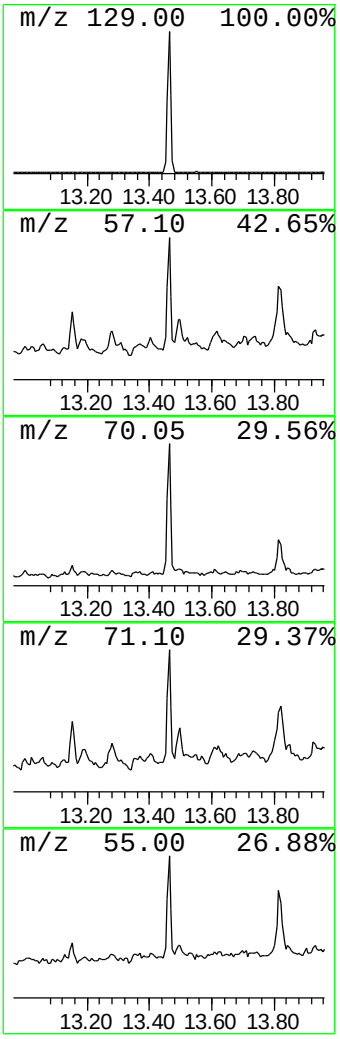
Peak Number 18 Adipic acid, 2-ethylhexyl i... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	10.15 ng	488064	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adipic acid, 2-ethylhexyl isohex...	342	C20H38O4	1000324-48-3	53
2	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	52
3	Adipic acid, isohexyl trans-2-me...	326	C19H34O4	1000324-74-8	50
4	Adipic acid, octyl trans-2-methy...	354	C21H38O4	1000324-75-1	50
5	Adipic acid, isohexyl 3-pentyl e...	300	C17H32O4	1000324-60-7	50





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Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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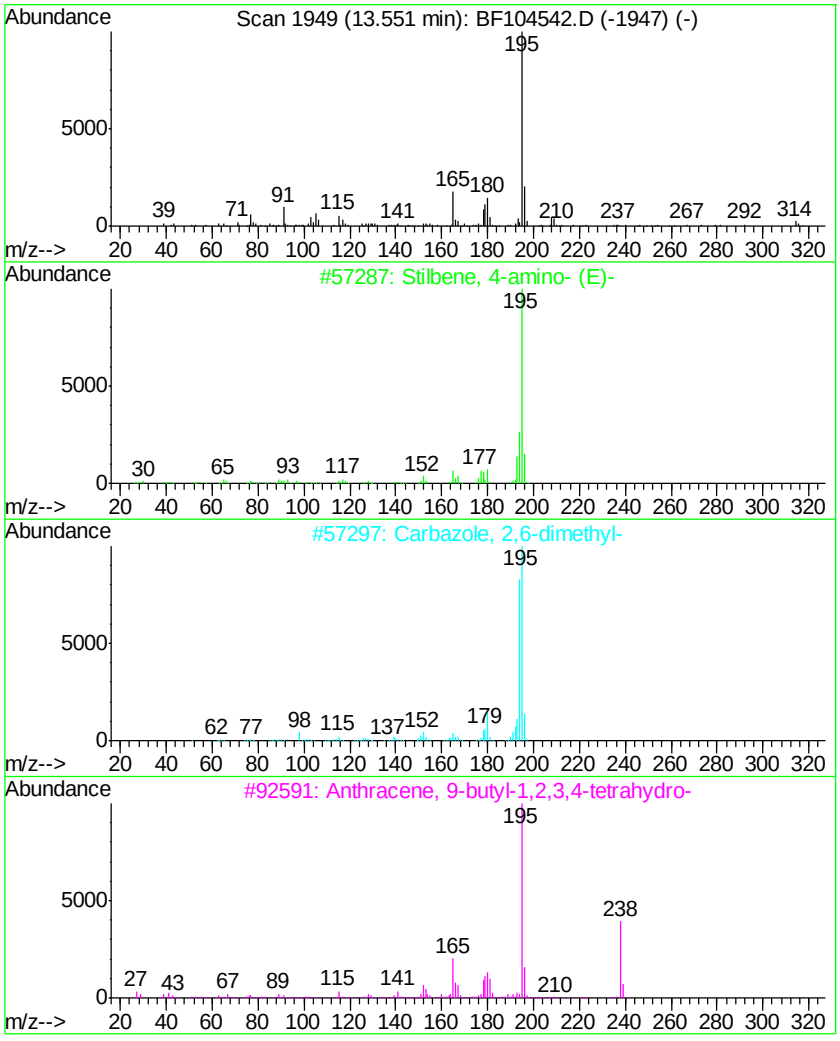
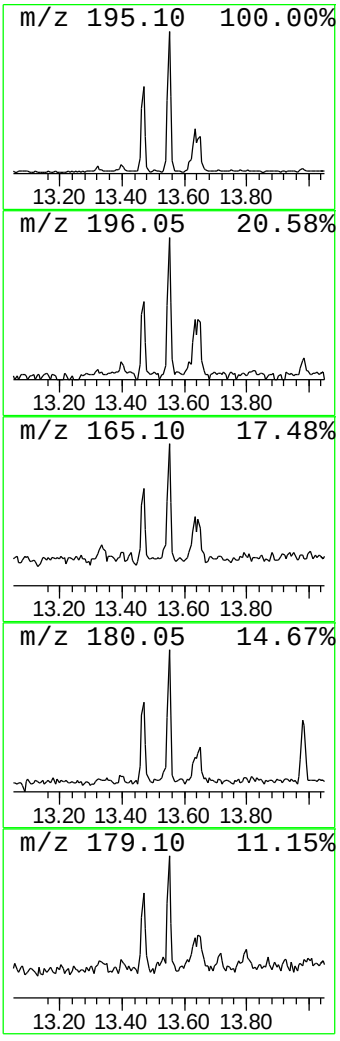
Peak Number 19 Stilbene, 4-amino- (E)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	2.73 ng	131316	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	72
2	Carbazole, 2,6-dimethyl-	195	C14H13N	078787-80-1	72
3	Anthracene, 9-butyl-1,2,3,4-tetr...	238	C18H22	1000151-39-2	64
4	Carbazole, 2,7-dimethyl-	195	C14H13N	018992-65-9	64
5	Carbazole, 3,5-dimethyl-	195	C14H13N	078787-81-2	59





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Acq On : 16 Apr 2018 19:34
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Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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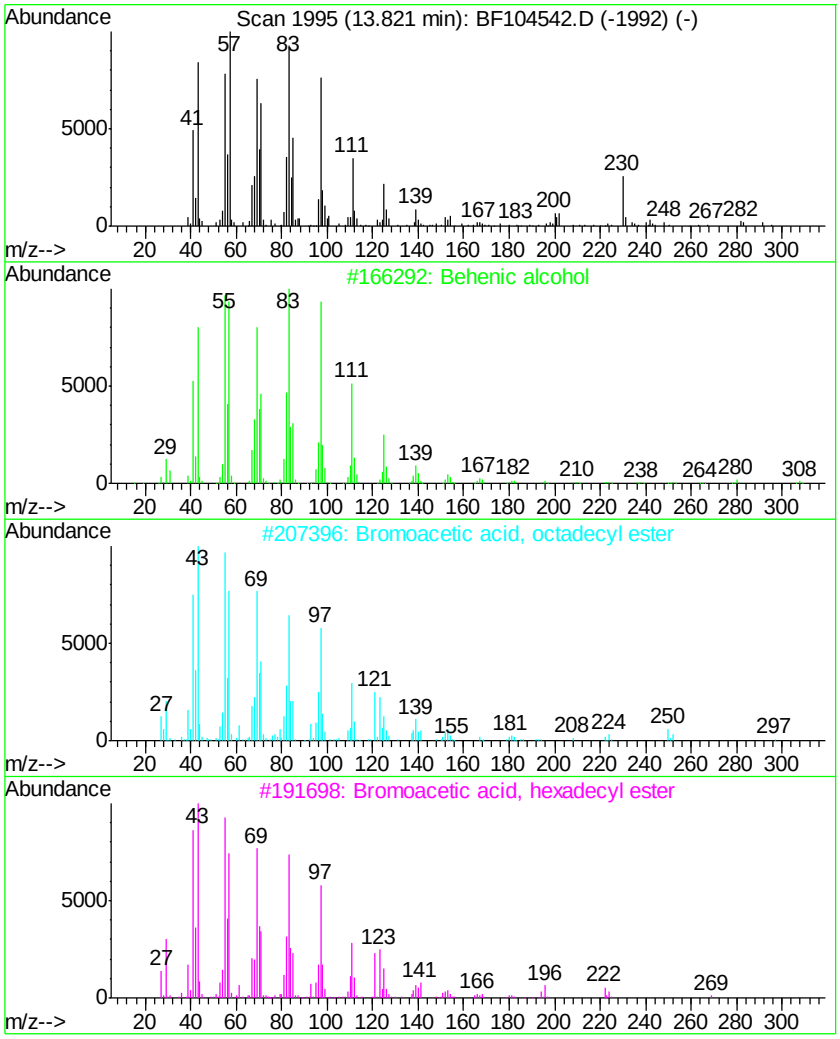
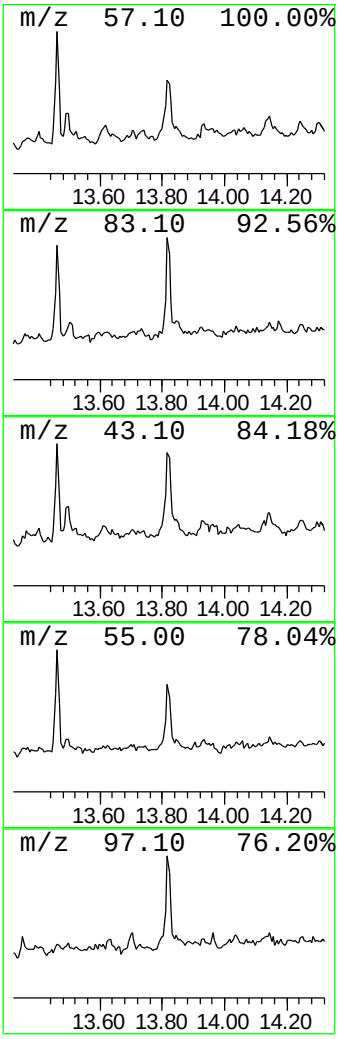
Peak Number 20 Behenic alcohol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.69 ng	225807	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	95
2	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
3	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	91
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	87
5	Isoheptadecanol	256	C17H36O	057289-07-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041618\
Data File : BF104542.D
Acq On : 16 Apr 2018 19:34
Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 3-4-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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
3-Penten-2-one, 4...	4.40	111.1	ng	4987490	1	6.81	897614	20.0
2-Pentanone, 4-hy...	5.06	167.3	ng	7510890	1	6.81	897614	20.0
Ethanol, 2-(2-met...	6.03	3.0	ng	134394	1	6.81	897614	20.0
unknown6.57	6.57	3.6	ng	162399	1	6.81	897614	20.0
1-Hexanol, 2-ethyl-	6.86	3.6	ng	160270	1	6.81	897614	20.0
Hexadecane	9.77	3.5	ng	233773	3	9.85	1326390	20.0
Pentadecane	10.75	10.6	ng	678959	4	11.34	1275890	20.0
unknown10.89	10.89	2.6	ng	167115	4	11.34	1275890	20.0
unknown10.96	10.96	4.6	ng	292589	4	11.34	1275890	20.0
2-Methyl-4-hydrox...	11.07	3.6	ng	230327	4	11.34	1275890	20.0
Nonadecane	11.20	5.5	ng	349990	4	11.34	1275890	20.0
Heneicosane	11.23	3.2	ng	204849	4	11.34	1275890	20.0
Heptadecane	11.63	3.3	ng	208831	4	11.34	1275890	20.0
Adipic acid, 2-et...	13.46	10.2	ng	488064	5	13.98	962084	20.0
Stilbene, 4-amino...	13.55	2.7	ng	131316	5	13.98	962084	20.0
Behenic alcohol	13.82	4.7	ng	225807	5	13.98	962084	20.0