LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040819\
Data File : BF113646.D
Acq On : 8 Apr 2019 18:28
Operator : JU/SJ
Sample : K2309-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HA-040519

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-BF040319.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	5.298	542	546	568	rBV	1379489	1748714	77.35%	6.759%
2	6.333	718	722	739	rBV	1698092	1891685	83.68%	7.311%
3	6.451	739	742	753	rVB	2023614	1871089	82.77%	7.232%
4	6.681	777	781	790	rBV	714230	662358	29.30%	2.560%
5	6.798	797	801	804	rBV	85468	66866	2.96%	0.258%
6	6.833	804	807	821	rVB	1640490	1451720	64.22%	5.611%
7	7.245	873	877	897	rBV	1152248	1191881	52.72%	4.607%
8	7.963	995	999	1006	rBV	910266	864169	38.23%	3.340%
9	9.033	1177	1181	1191	rBV	2367056	2260697	100.00%	8.737%
10	9.433	1244	1249	1253	rBV	110415	116190	5.14%	0.449%
11	9.574	1270	1273	1276	rBV2	30497	36830	1.63%	0.142%
12	9.621	1278	1281	1284	rVB	36905	31790	1.41%	0.123%
13	9.651	1284	1286	1290	rBV4	25230	31339	1.39%	0.121%
14	9.710	1290	1296	1301	rBV2	1144121	1054919	46.66%	4.077%
15	10.033	1348	1351	1352	rBV2	24864	28354	1.25%	0.110%
16	10.116	1362	1365	1368	rBV2	60834	58889	2.60%	0.228%
17	10.369	1406	1408	1414	rVB	59818	55760	2.47%	0.216%
18	10.504	1427	1431	1437	rBV	1416420	1430295	63.27%	5.528%
19	10.633	1449	1453	1459	rVB	226643	238544	10.55%	0.922%
20	11.098	1529	1532	1536	rVB	321861	282852	12.51%	1.093%
21	11.192	1545	1548	1551	rBV	1130648	1045364	46.24%	4.040%
22	11.445	1589	1591	1594	rBV	102429	91198	4.03%	0.352%
23	11.592	1613	1616	1621	rVB2	232212	215038	9.51%	0.831%
24	11.733	1637	1640	1647	rVB2	313281	327974	14.51%	1.268%
25	12.245	1725	1727	1729	rBV	67594	57490	2.54%	0.222%
26	12.274	1729	1732	1734	rVV	1088147	1055680	46.70%	4.080%
27	12.292	1734	1735	1741	rVB2	765096	540401	23.90%	2.089%
28	12.380	1748	1750	1752	rBV2	116316	104878	4.64%	0.405%
29	12.404	1752	1754	1768	rVB	231036	399511	17.67%	1.544%
30	12.510	1770	1772	1779	rVB	178331	211884	9.37%	0.819%
31	12.633	1790	1793	1796	rVB	186655	146818	6.49%	0.567%
32	12.774	1813	1817	1820	rBV	2409666	2136806	94.52%	8.259%
33	13.680	1968	1971	1976	rVB2	63529	80850	3.58%	0.312%
34	13.827	1992	1996	1999	rBV	902323	845157	37.38%	3.266%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : HA-040519

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-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.992	2021	2024	2028	rVB	104345	102736	4.54%	0.397%
36	14.292	2072	2075	2080	rVB	156675	155158	6.86%	0.600%
37	14.586	2122	2125	2129	rVB	256901	247850	10.96%	0.958%
38	14.839	2165	2168	2174	rBV	96225	160005	7.08%	0.618%
39	14.898	2174	2178	2183	rVB	372131	385466	17.05%	1.490%
40	15.121	2213	2216	2221	rVB	73766	89207	3.95%	0.345%
41	15.180	2223	2226	2230	rVV	84519	90812	4.02%	0.351%
42	15.239	2231	2236	2247	rVB2	894148	1286044	56.89%	4.970%
43	15.639	2299	2304	2309	rVB	291939	433734	19.19%	1.676%
44	16.092	2377	2381	2394	rVB2	156298	288535	12.76%	1.115%

Sum of corrected areas: 25873537

LSC Report - Integrated Chromatogram

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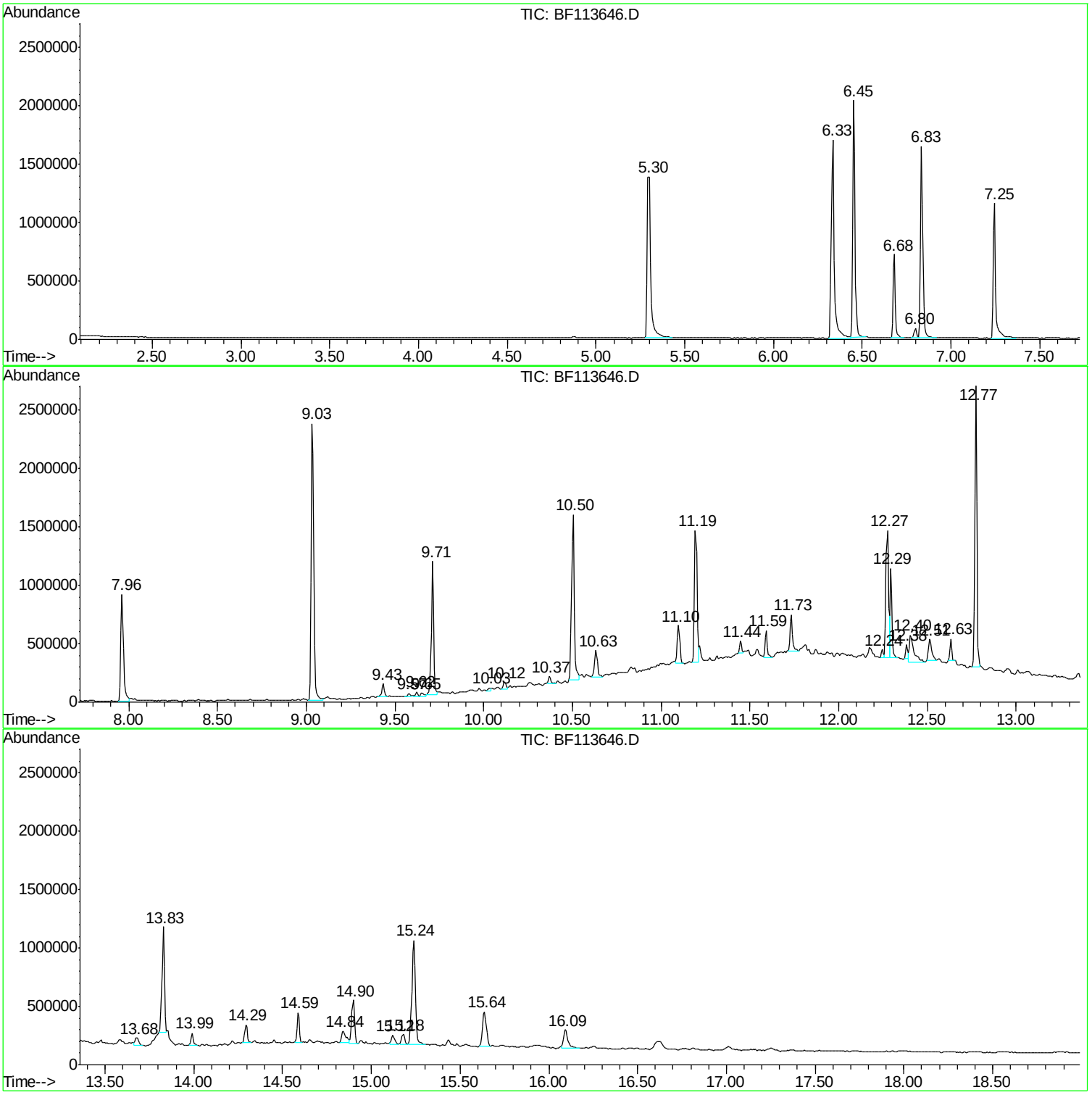
Instrument : BNA_F
ClientSampleId : HA-040519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040819\
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ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HA-040519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
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TIC Library : C:\DATABASE\NIST11.L
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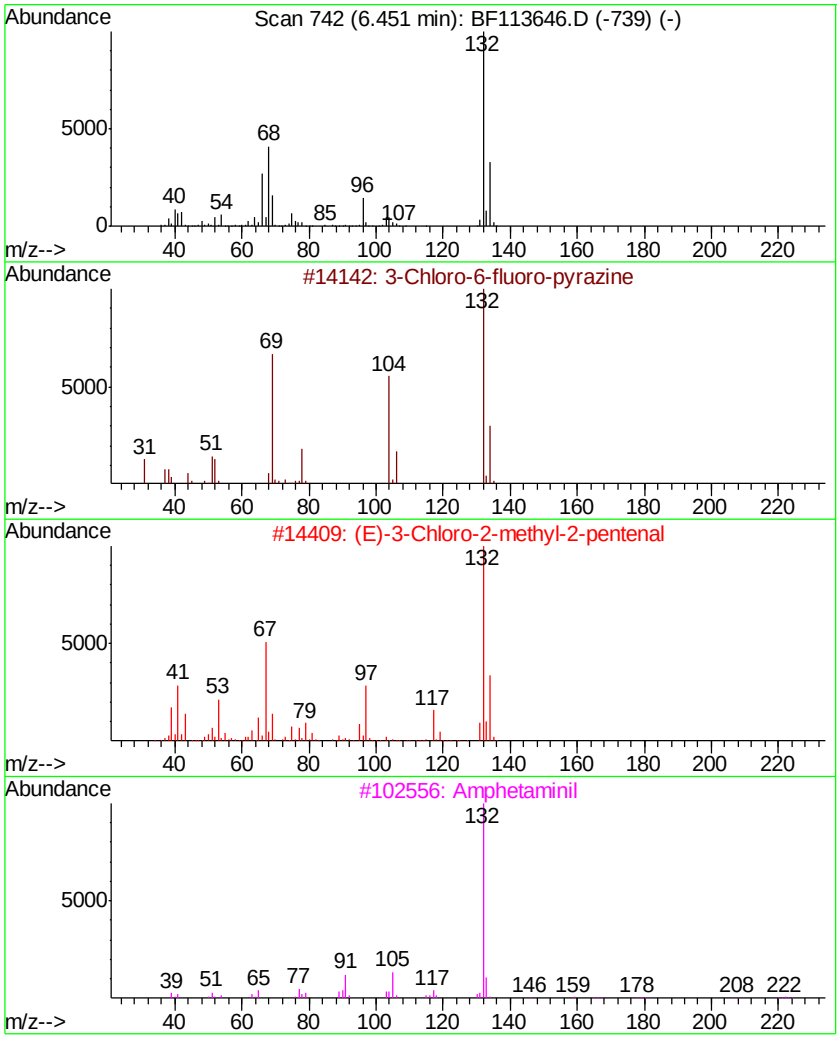
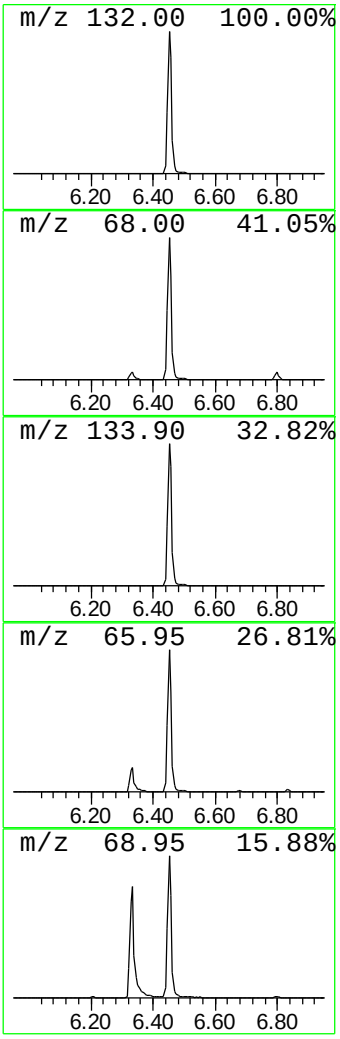
Peak Number 1 unknown6.45 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	56.50 ng	1871090	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Amphetaminil	250	C17H18N2	017590-01-1	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HA-040519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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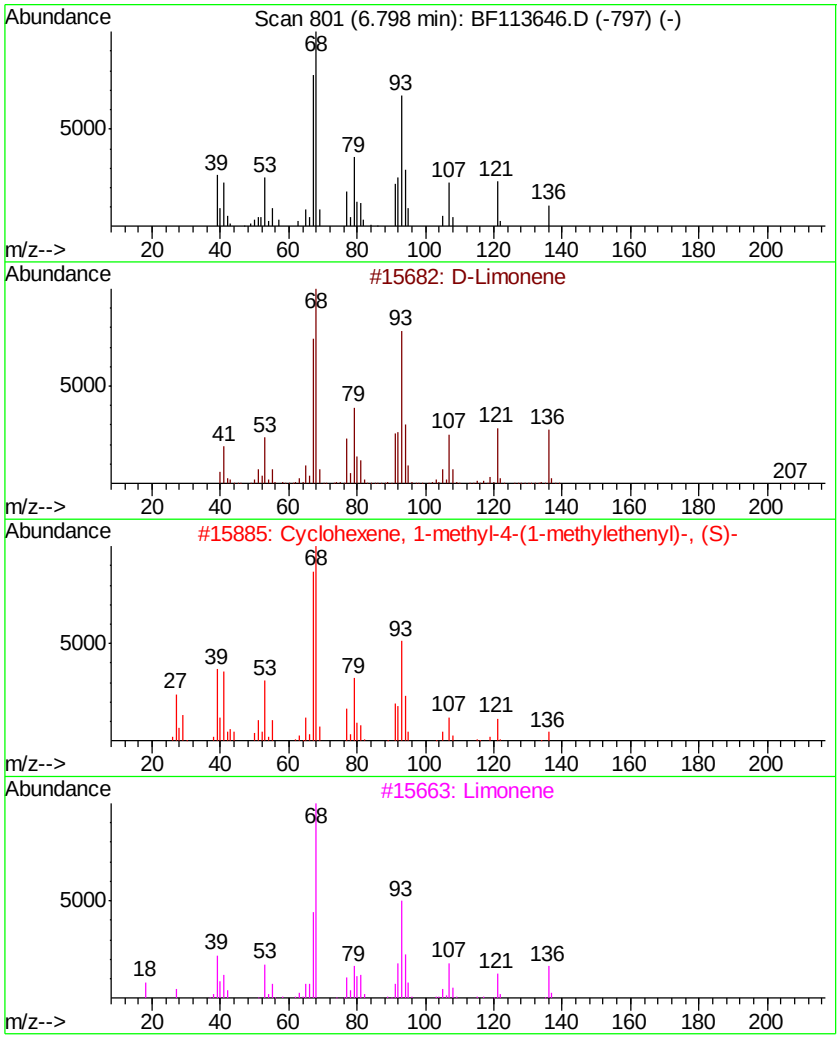
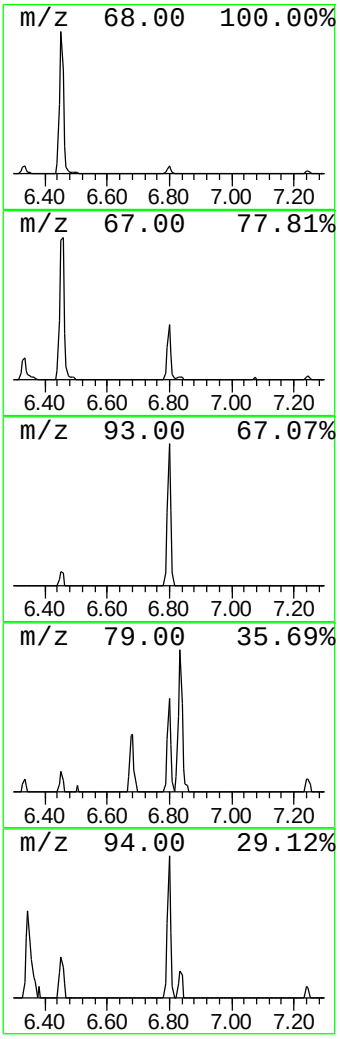
Peak Number 2 D-Limonene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	2.02 ng	66866	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	96
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	96
3	Limonene	136	C10H16	000138-86-3	93
4	1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	64
5	Cyclohexene, 4-ethenyl-1,4-dimet...	136	C10H16	001743-61-9	58





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HA-040519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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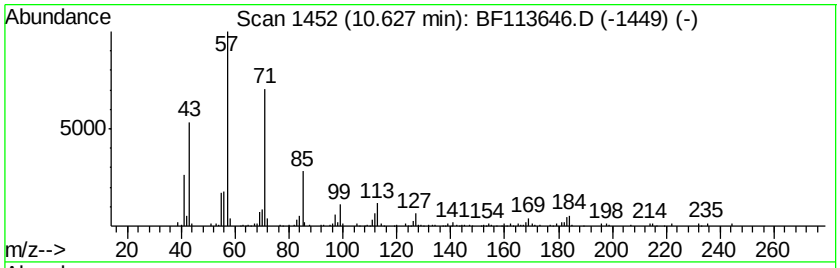
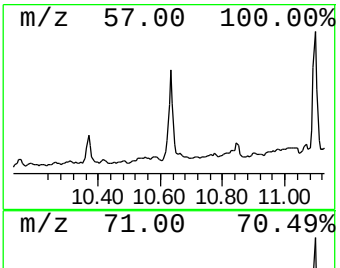
Peak Number 4 Pentadecane, 2,6,10,14-tetr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	4.56 ng	238544	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64
5	Tridecane	184	C13H28	000629-50-5	64





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : HA-040519

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TIC Integration Parameters: LSCINT.P

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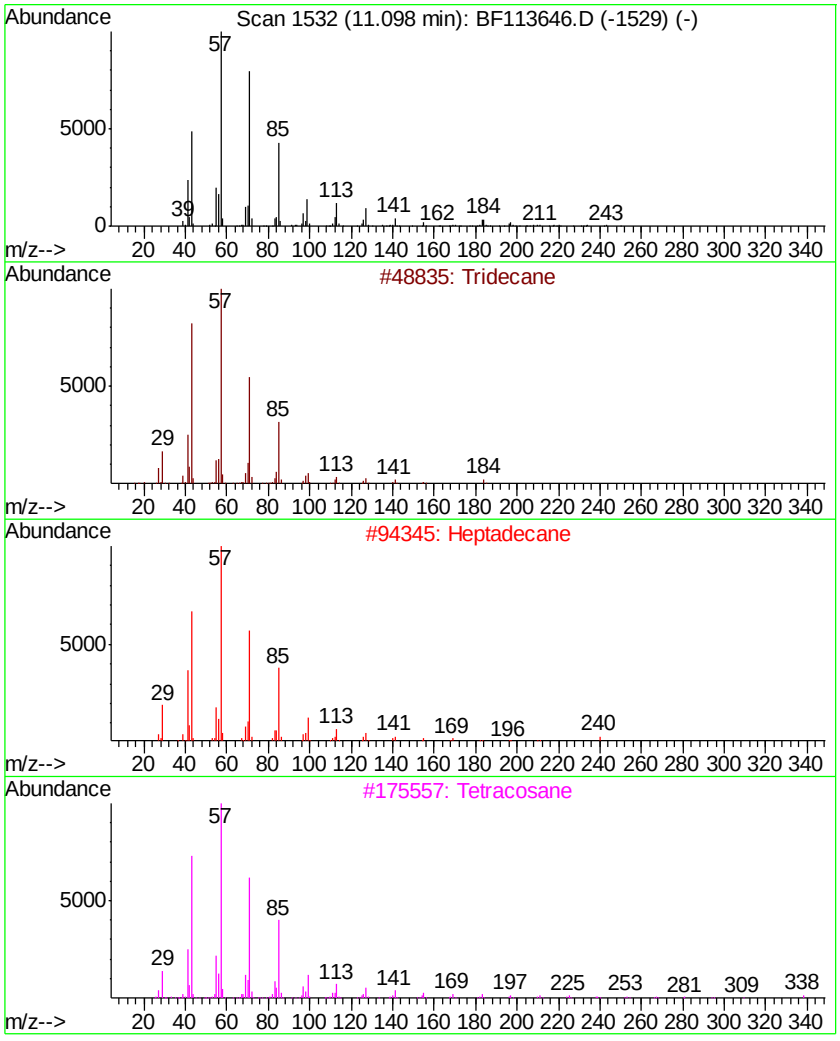
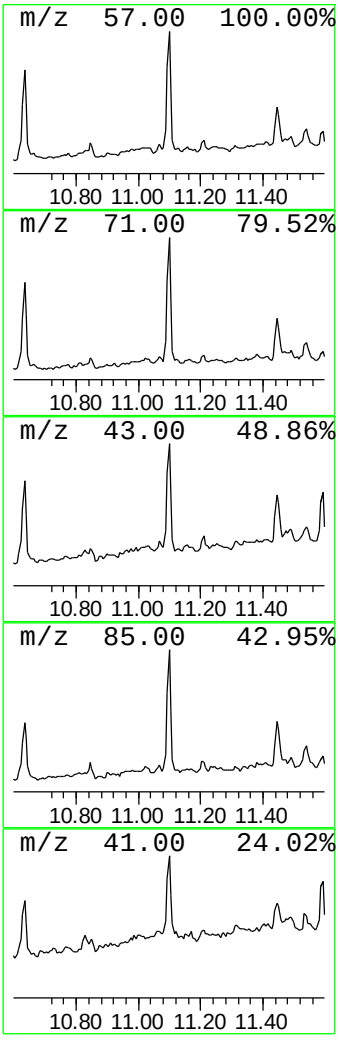
Peak Number 5 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	5.41 ng	282852	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tetracosane	338	C24H50	000646-31-1	90
4	Heptacosane	380	C27H56	000593-49-7	86
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86





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Instrument : BNA_F
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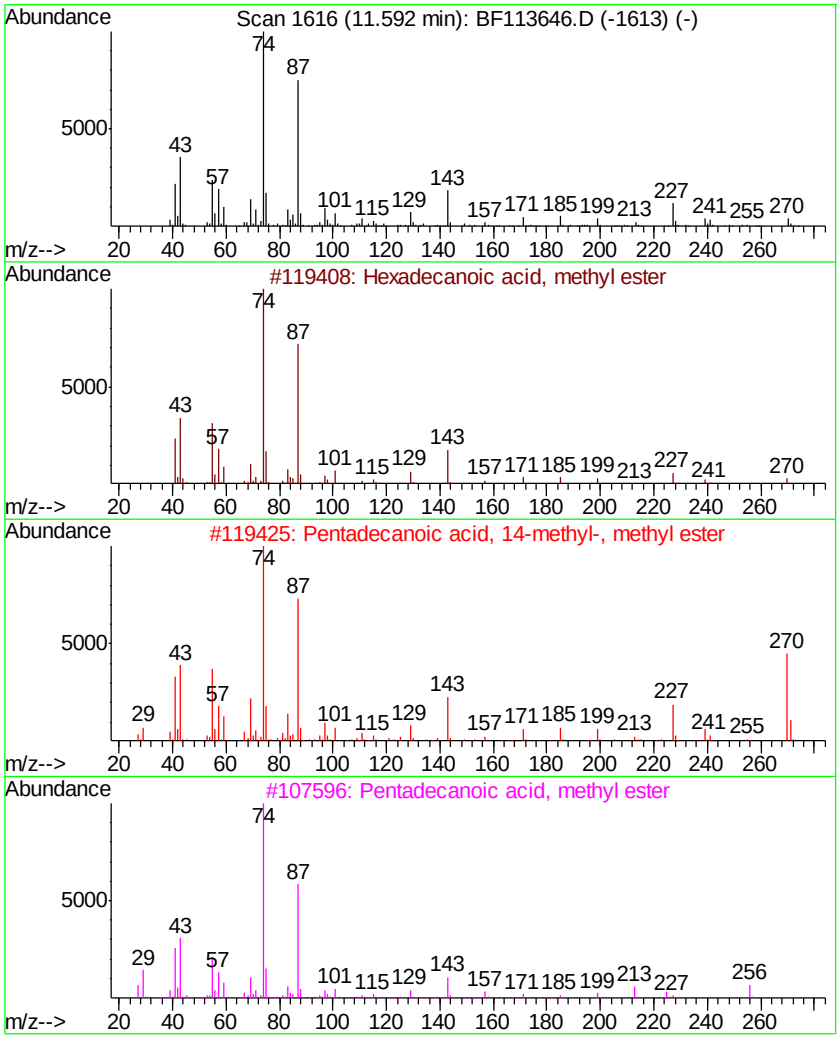
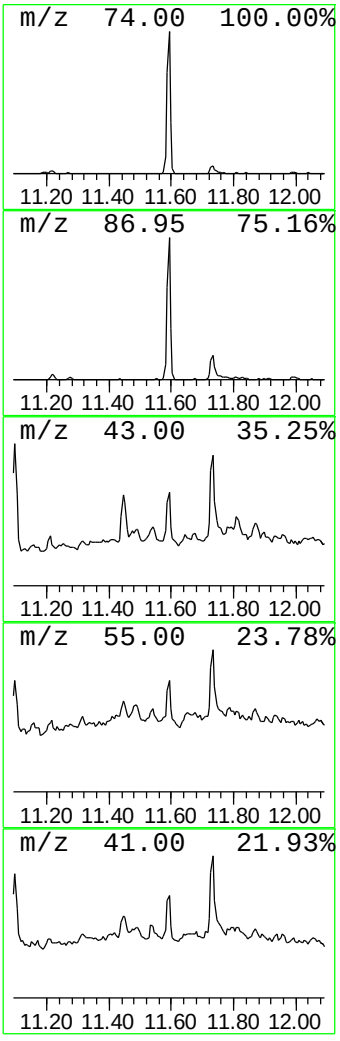
Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	4.11 ng	215038	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	94
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	86
5	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	83





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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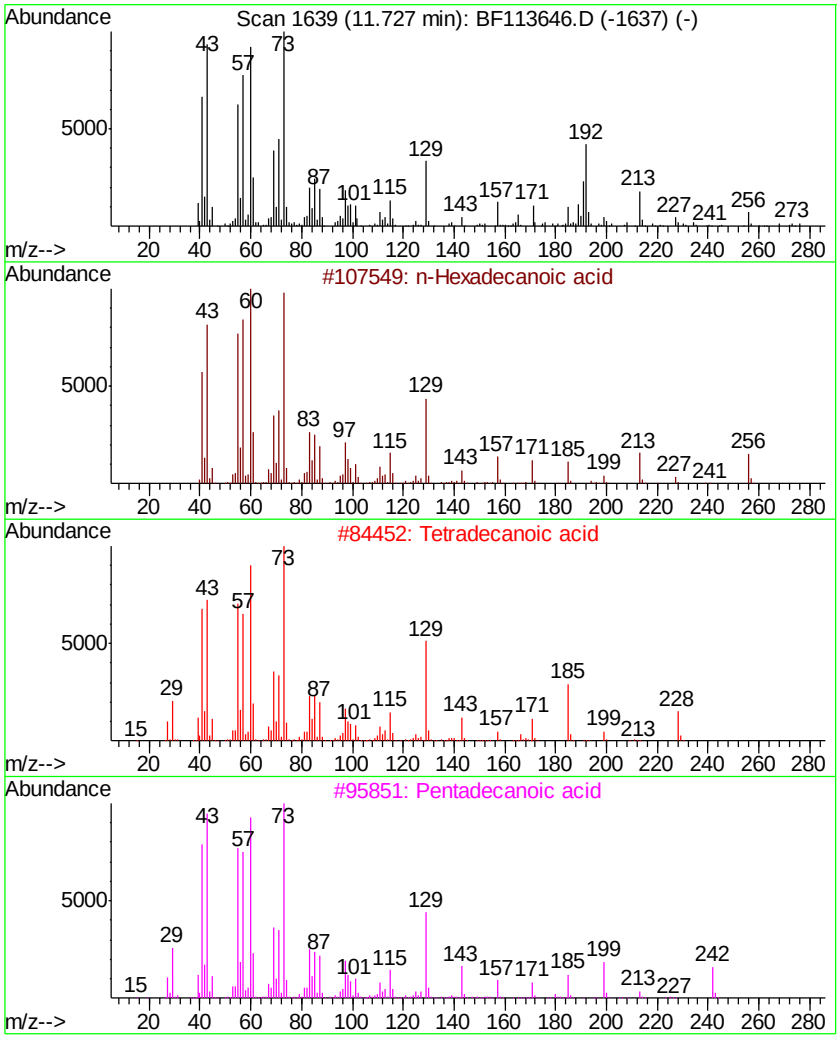
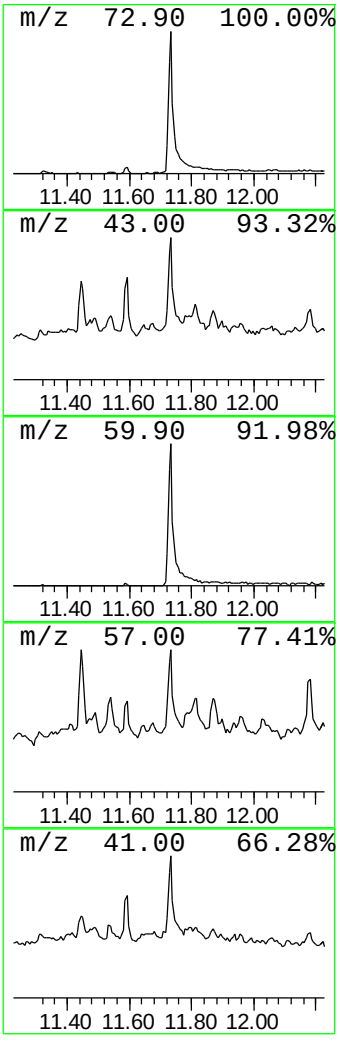
Peak Number 7 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	6.27 ng	327974	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	92
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





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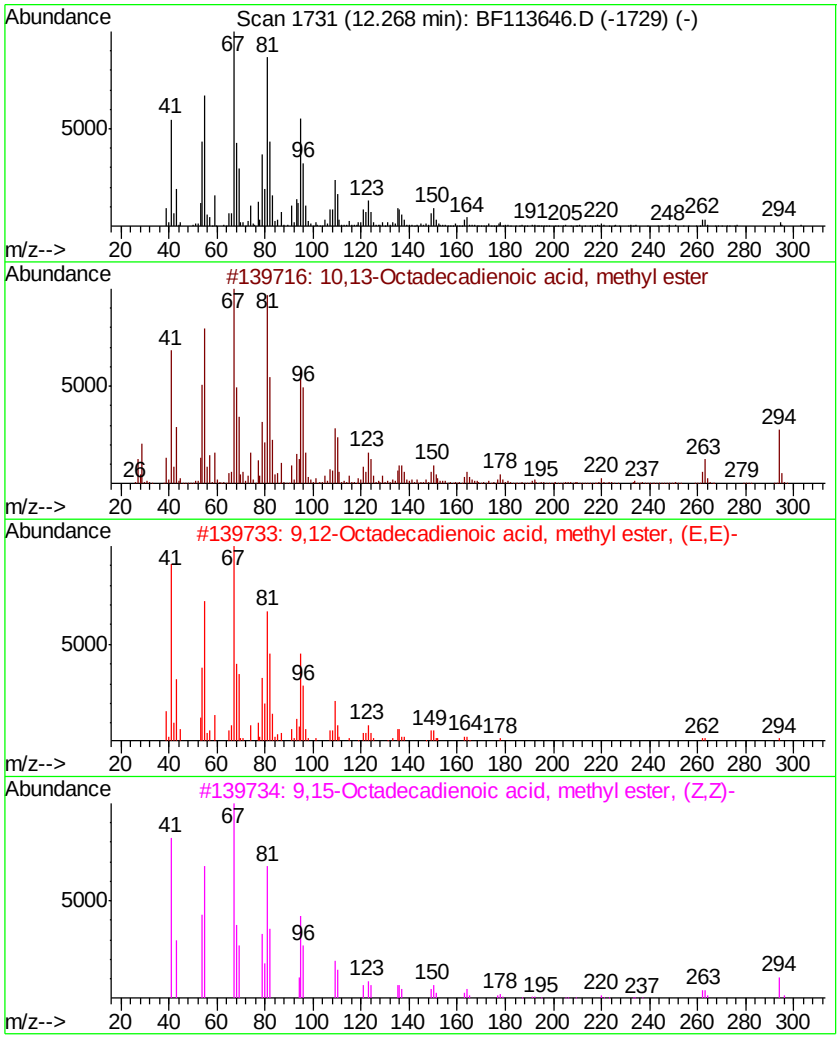
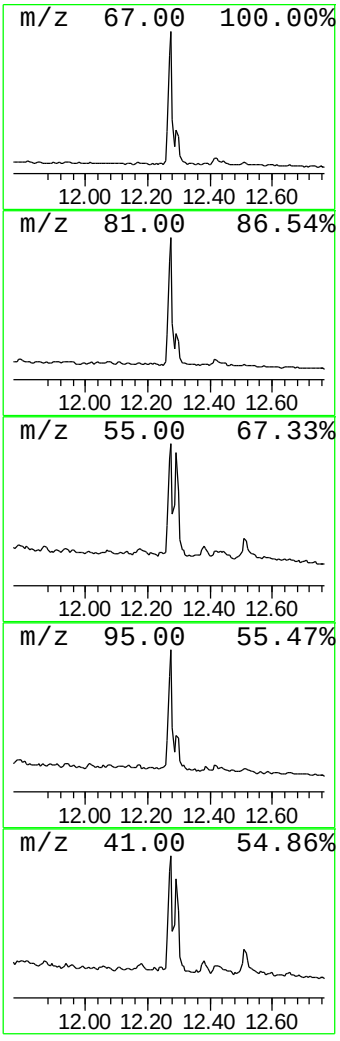
Peak Number 8 10,13-Octadecadienoic acid,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	20.20 ng	1055680	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	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	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99





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Instrument : BNA_F
ClientSampleId : HA-040519

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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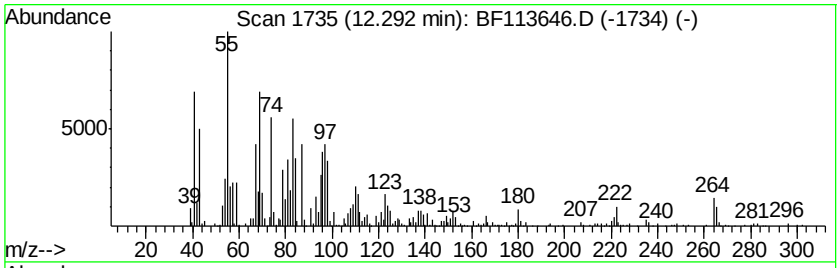
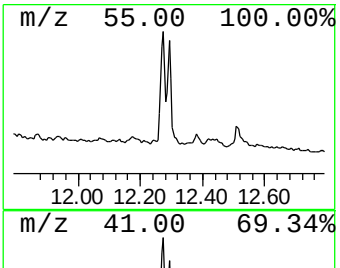
Peak Number 9 6-Octadecenoic acid, methyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	10.34 ng	540401	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	99
2	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	99
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
4	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
5	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HA-040519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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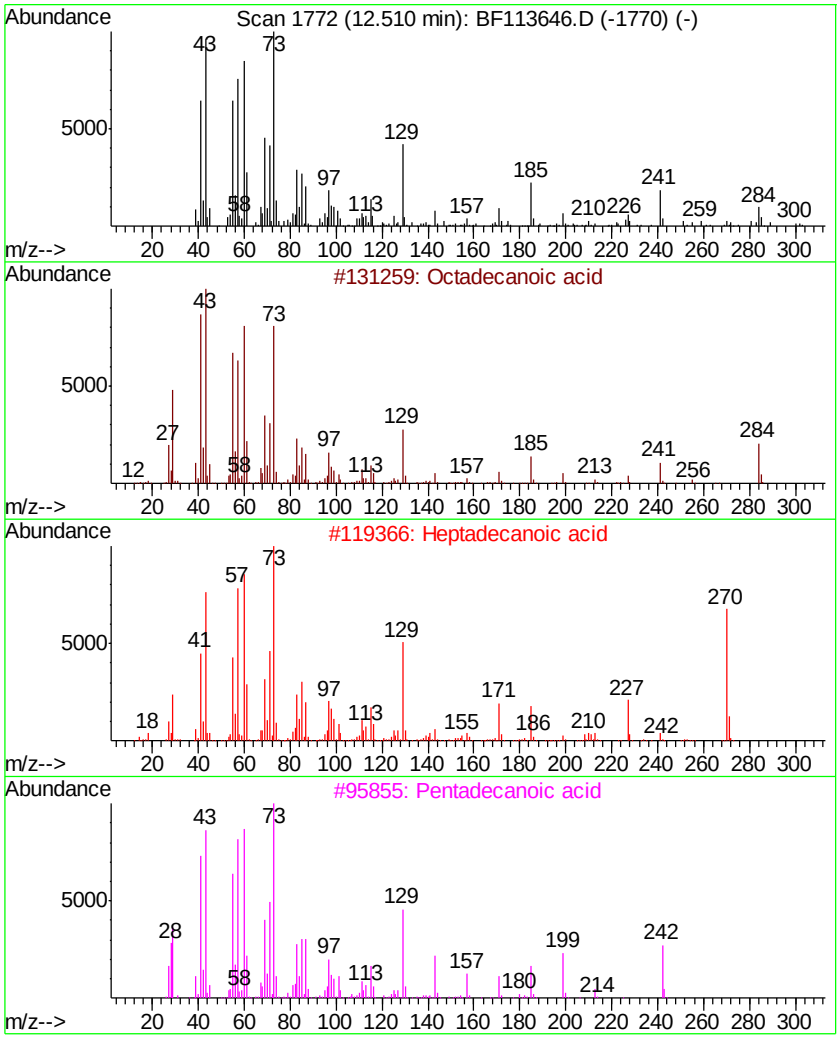
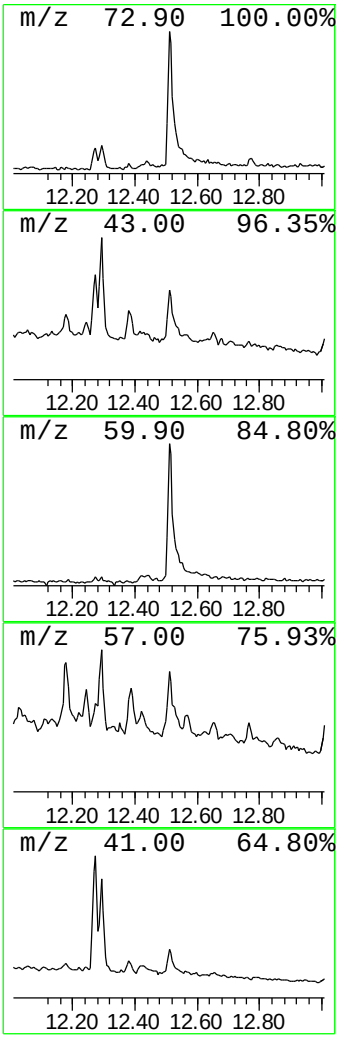
Peak Number 10 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	5.01 ng	211884	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Heptadecanoic acid	270	C17H34O2	000506-12-7	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87





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Data File : BF113646.D
Acq On : 8 Apr 2019 18:28
Operator : JU/SJ
Sample : K2309-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HA-040519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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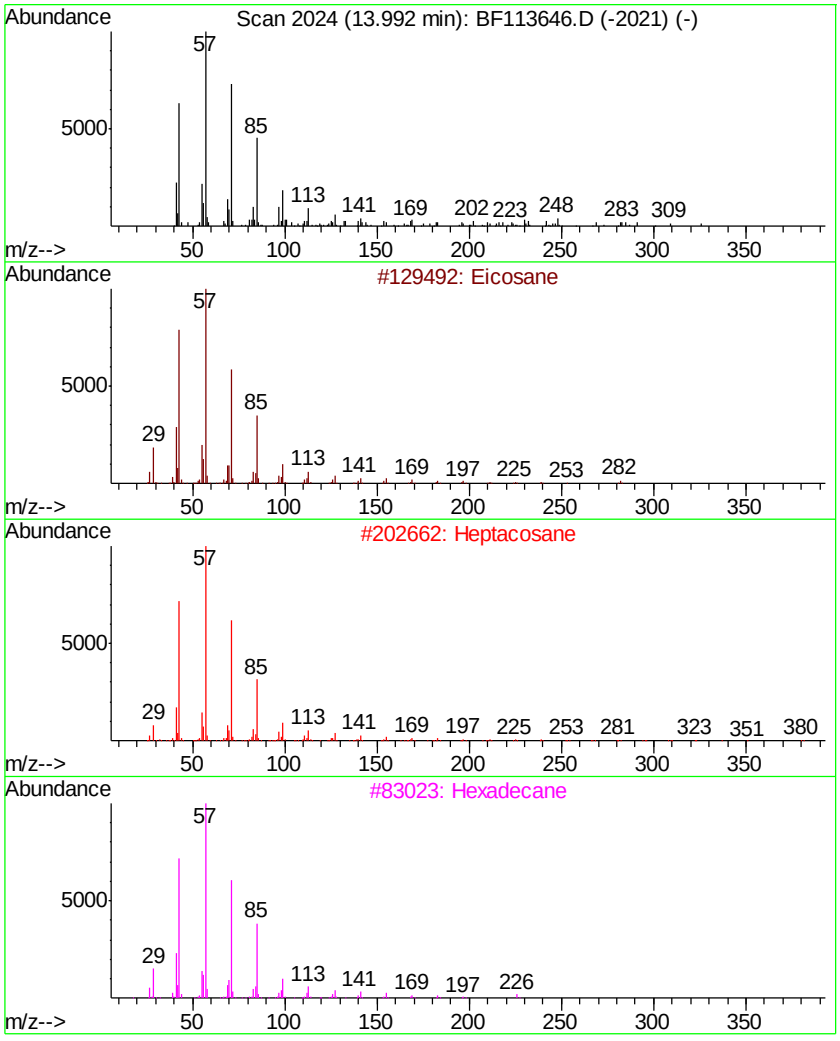
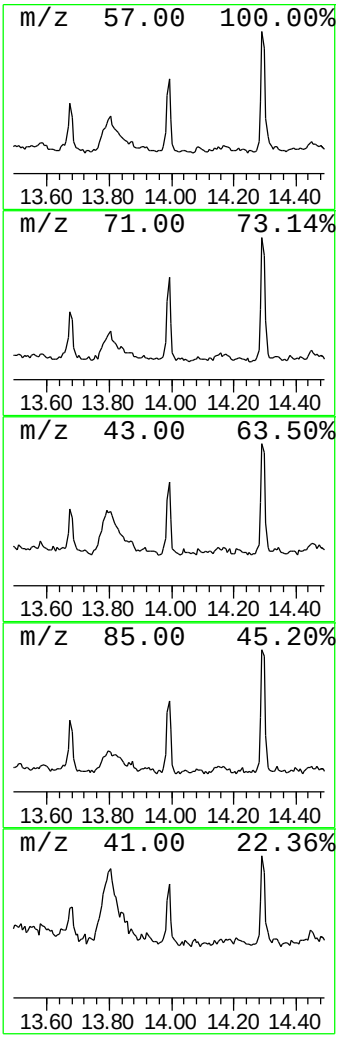
Peak Number 11 Eicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	2.43 ng	102736	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Heptacosane	380	C27H56	000593-49-7	90
3	Hexadecane	226	C16H34	000544-76-3	87
4	Eicosane, 2-methyl-	296	C21H44	001560-84-5	86
5	Octadecane	254	C18H38	000593-45-3	86





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Sample : K2309-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HA-040519

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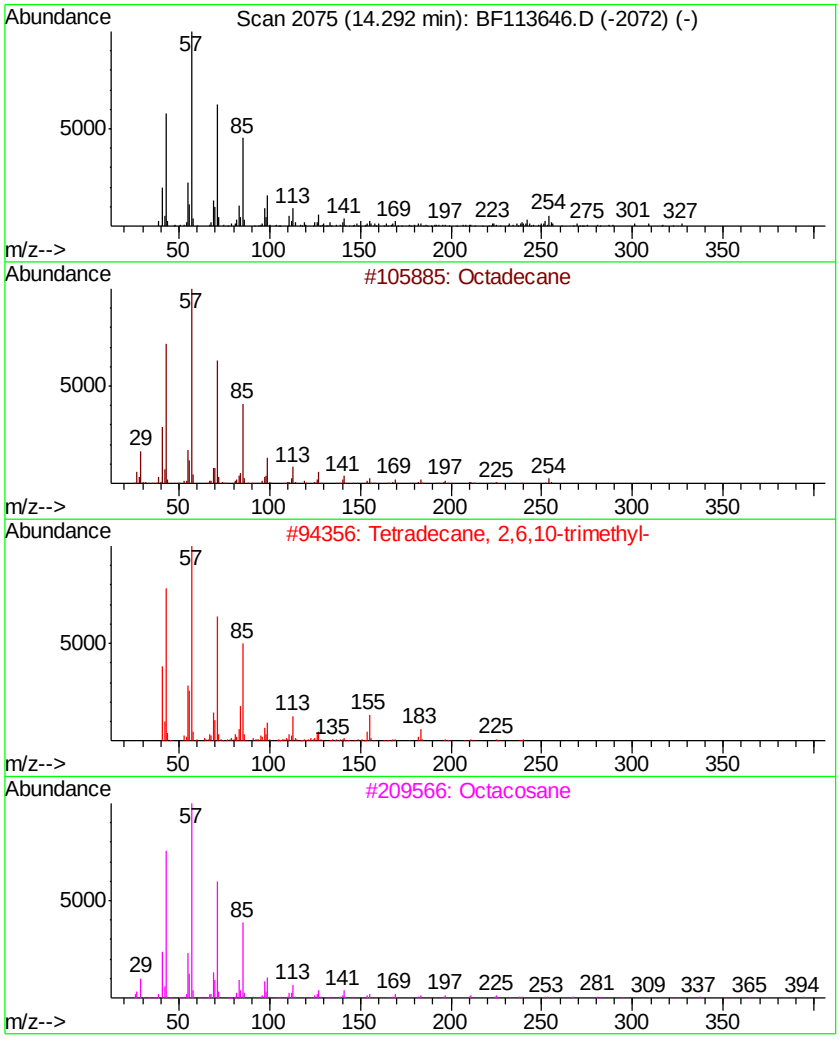
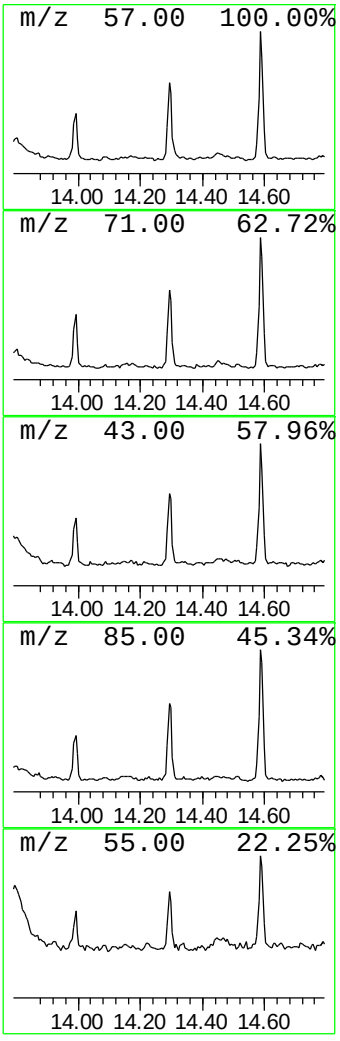
Peak Number 12 Octadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	3.67 ng	155158	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	91
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	91
3	Octacosane	394	C28H58	000630-02-4	90
4	Heptacosane	380	C27H56	000593-49-7	90
5	Tetracosane	338	C24H50	000646-31-1	87





Library Search Compound Report

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Data File : BF113646.D
Acq On : 8 Apr 2019 18:28
Operator : JU/SJ
Sample : K2309-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HA-040519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
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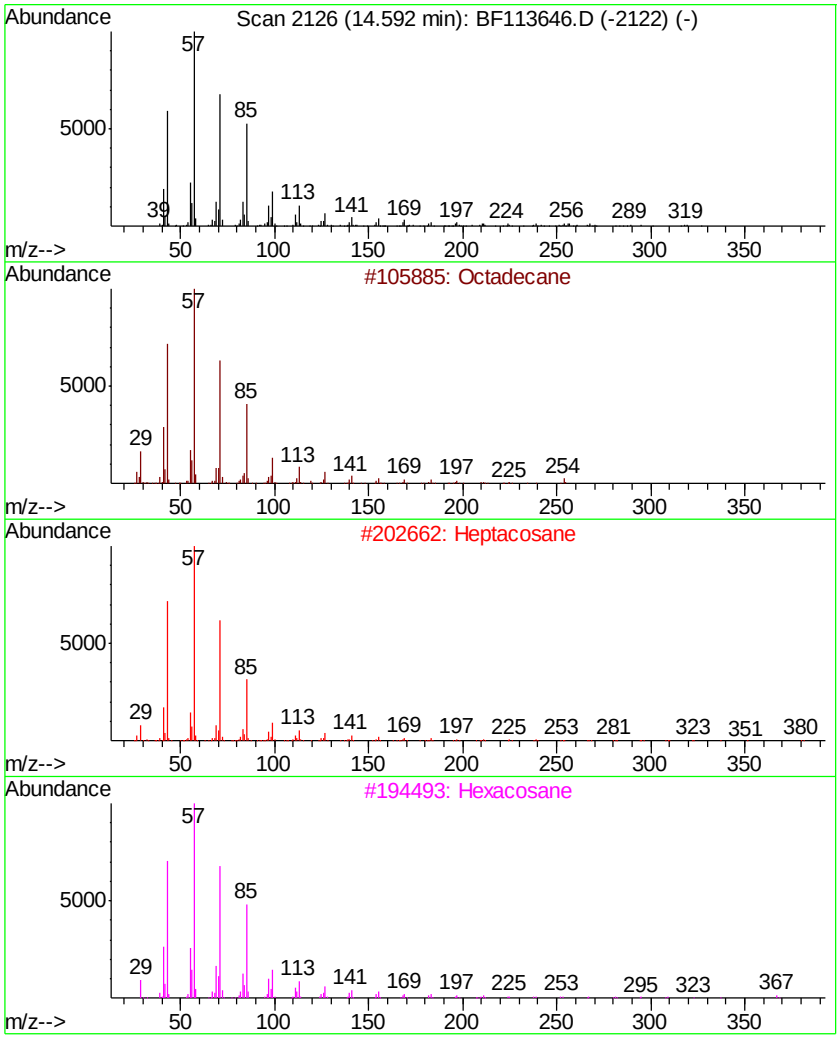
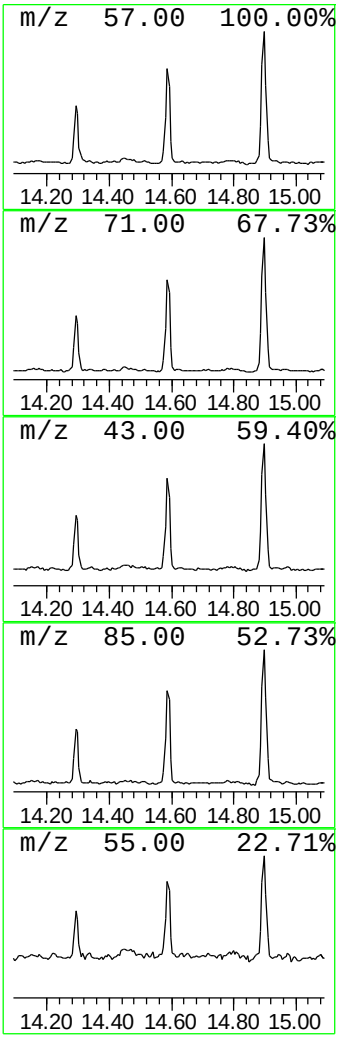
Peak Number 13 Heptacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	3.85 ng	247850	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Heptacosane	380	C27H56	000593-49-7	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Hexadecane	226	C16H34	000544-76-3	87





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Sample : K2309-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HA-040519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
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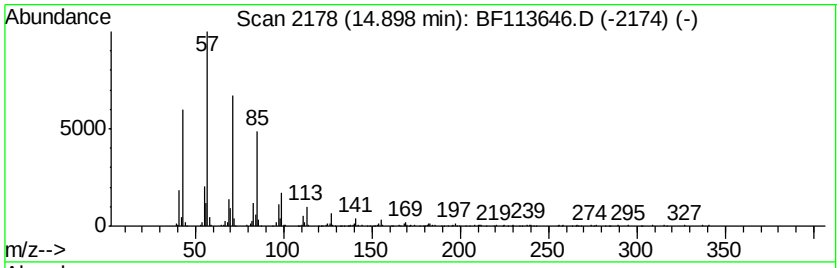
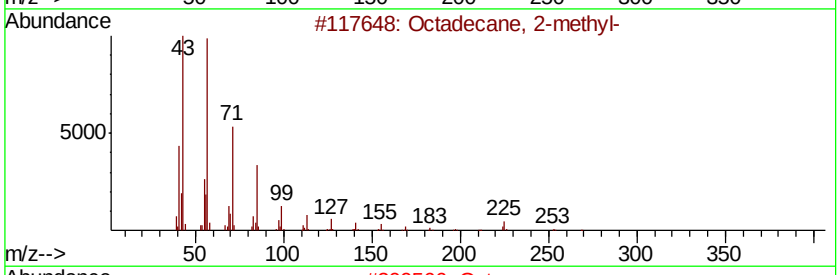
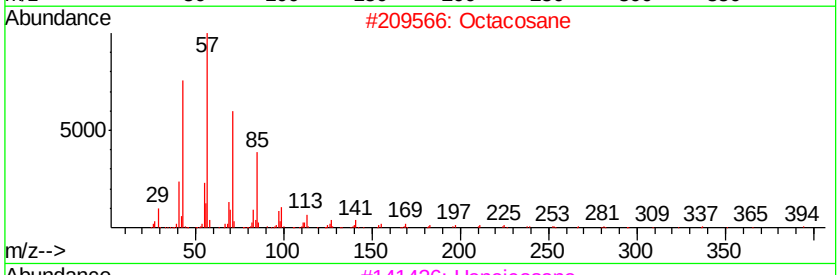
Peak Number 14 Octadecane, 2-methyl- Concentration Rank 7

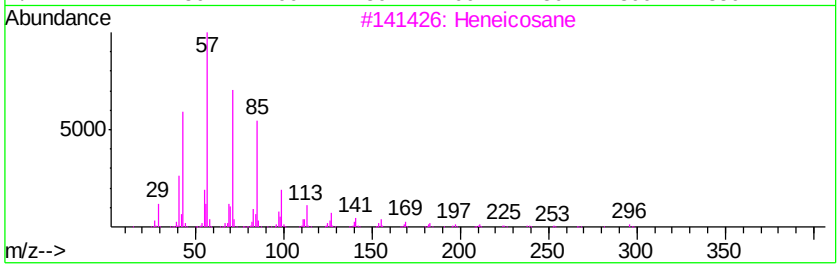
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	5.99 ng	385466	Perylene-d12	15.23

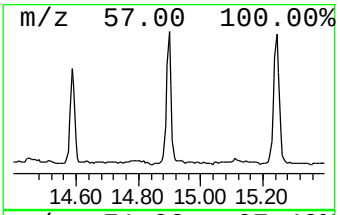
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
2	Octacosane	394	C28H58	000630-02-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91

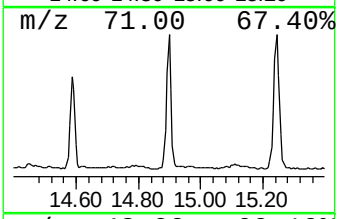


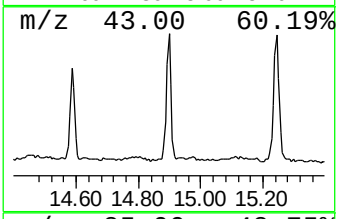


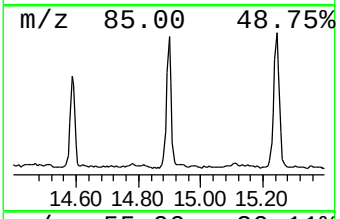


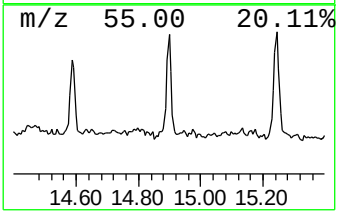












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040819\
Data File : BF113646.D
Acq On : 8 Apr 2019 18:28
Operator : JU/SJ
Sample : K2309-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HA-040519

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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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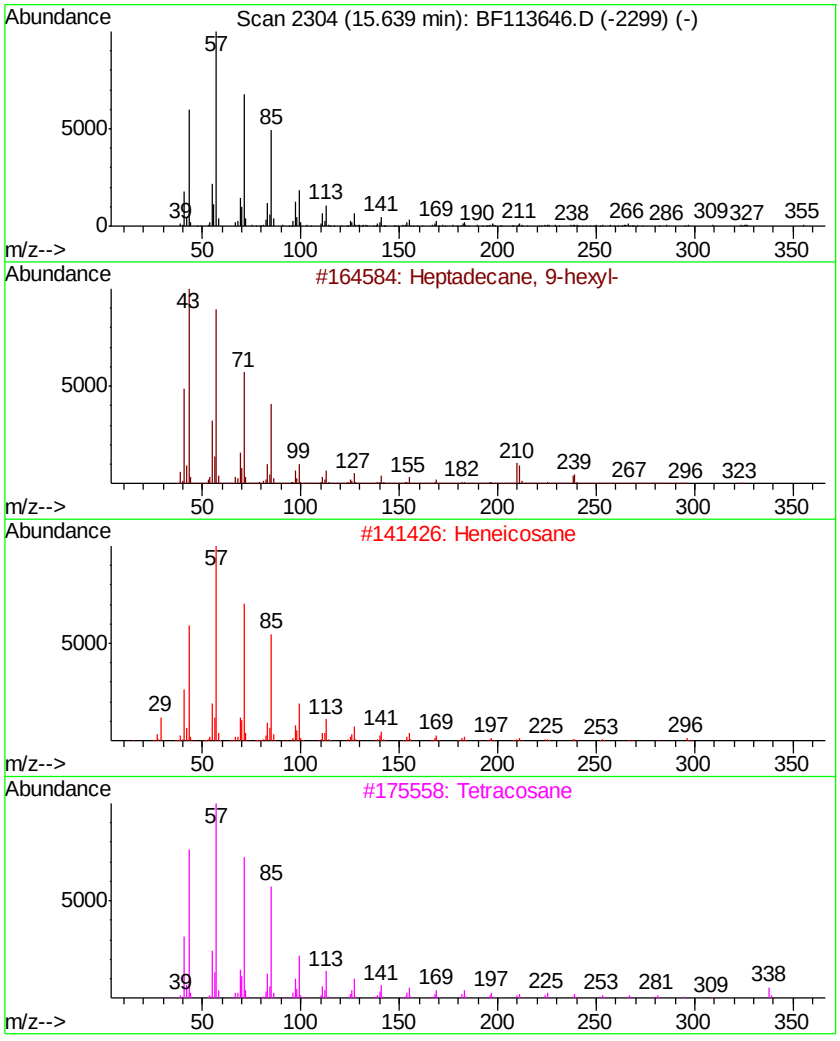
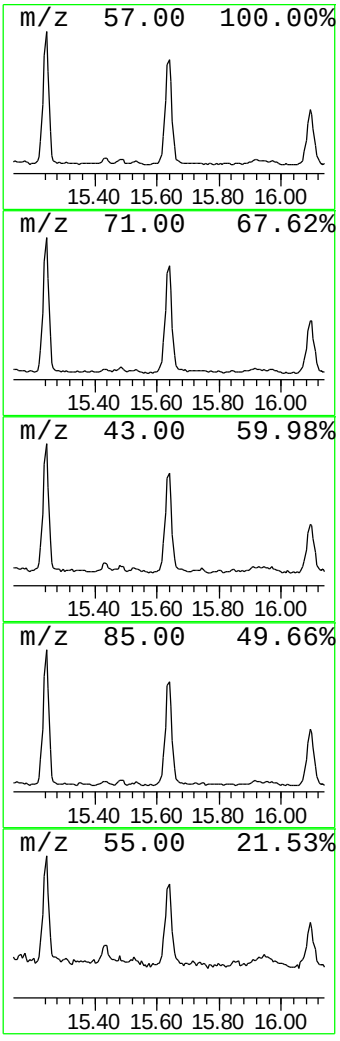
Peak Number 15 Heptadecane, 9-hexyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	6.75 ng	433734	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Heptadecane	240	C17H36	000629-78-7	91





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TIC Integration Parameters: LSCINT.P

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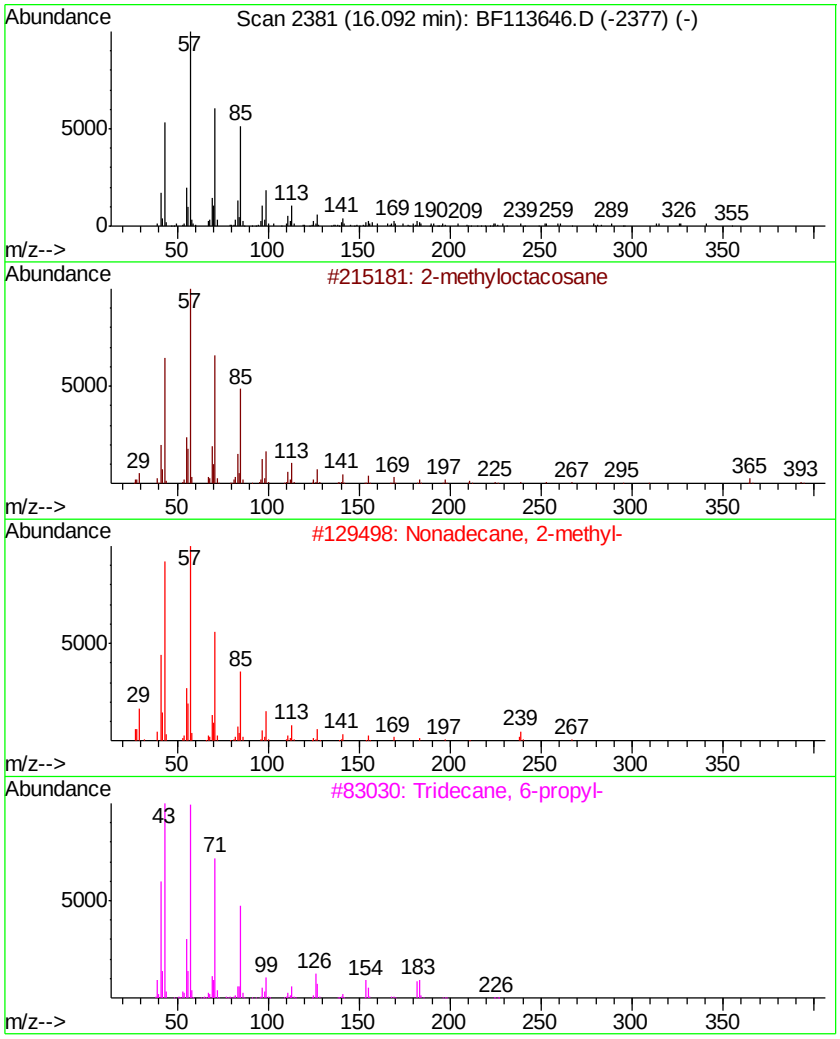
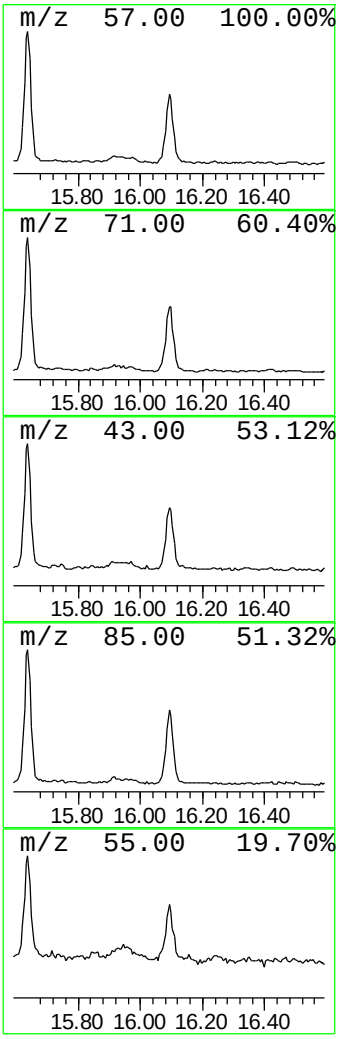
Peak Number 16 2-methyloctacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	4.49 ng	288535	Perylene-d12	15.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	87
2	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	86
3	Tridecane, 6-propyl-	226	C16H34	055045-10-8	83
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	74





Tentatively Identified Compound (LSC) summary

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Data File : BF113646.D
Acq On : 8 Apr 2019 18:28
Operator : JU/SJ
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.45	6.45	56.5	ng	1871090	1	6.68	662358	20.0
D-Limonene	6.80	2.0	ng	66866	1	6.68	662358	20.0
Pentadecane, 2,6,...	10.63	4.6	ng	238544	4	11.19	1045360	20.0
Tridecane	11.10	5.4	ng	282852	4	11.19	1045360	20.0
Hexadecanoic acid...	11.59	4.1	ng	215038	4	11.19	1045360	20.0
n-Hexadecanoic acid	11.73	6.3	ng	327974	4	11.19	1045360	20.0
10,13-Octadecadie...	12.27	20.2	ng	1055680	4	11.19	1045360	20.0
6-Octadecenoic ac...	12.29	10.3	ng	540401	4	11.19	1045360	20.0
Octadecanoic acid	12.51	5.0	ng	211884	5	13.83	845157	20.0
Eicosane	13.99	2.4	ng	102736	5	13.83	845157	20.0
Octadecane	14.29	3.7	ng	155158	5	13.83	845157	20.0
Heptacosane	14.59	3.9	ng	247850	6	15.23	1286040	20.0
Octadecane, 2-met...	14.90	6.0	ng	385466	6	15.23	1286040	20.0
Heptadecane, 9-he...	15.64	6.8	ng	433734	6	15.23	1286040	20.0
2-methyloctacosane	16.09	4.5	ng	288535	6	15.23	1286040	20.0