LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116413.D
Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

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-BF073019.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	5.446	568	571	597	rBV	208066	395948	9.88%	1.830%
2	6.457	741	743	762	rBV	263559	471791	11.77%	2.180%
3	6.587	762	765	781	rVB	413843	519539	12.96%	2.401%
4	6.804	799	802	816	rBV	628246	576017	14.37%	2.662%
5	6.957	825	828	846	rBV	385538	407890	10.18%	1.885%
6	7.375	895	899	915	rBV	192629	303995	7.59%	1.405%
7	8.086	1017	1020	1026	rBV	798803	734387	18.33%	3.393%
8	8.669	1116	1119	1123	rBV	66711	60251	1.50%	0.278%
9	8.904	1157	1159	1161	rBV2	53631	44553	1.11%	0.206%
10	9.028	1177	1180	1185	rBV5	35782	54378	1.36%	0.251%
11	9.098	1189	1192	1194	rBV2	67447	51555	1.29%	0.238%
12	9.151	1198	1201	1206	rBV	752199	674019	16.82%	3.114%
13	9.233	1211	1215	1219	rBV	129432	118072	2.95%	0.546%
14	9.304	1225	1227	1230	rVB2	45925	41262	1.03%	0.191%
15	9.551	1265	1269	1272	rBV	196711	204316	5.10%	0.944%
16	9.763	1302	1305	1309	rVB	178760	146663	3.66%	0.678%
17	9.833	1314	1317	1321	rVV	1158156	952517	23.77%	4.401%
18	9.992	1341	1344	1347	rBV2	38979	60489	1.51%	0.280%
19	10.086	1356	1360	1363	rBV2	69593	89554	2.23%	0.414%
20	10.157	1368	1372	1376	rBV5	35851	65248	1.63%	0.301%
21	10.257	1384	1389	1392	rBV	269582	252704	6.31%	1.168%
22	10.316	1397	1399	1404	rVB4	34296	45222	1.13%	0.209%
23	10.480	1421	1427	1432	rBV	120981	183107	4.57%	0.846%
24	10.598	1444	1447	1449	rVB	51162	41821	1.04%	0.193%
25	10.628	1449	1452	1462	rBV	376293	416232	10.39%	1.923%
26	10.728	1467	1469	1479	rVB2	303201	452856	11.30%	2.093%
27	10.957	1506	1508	1511	rVB3	56226	46457	1.16%	0.215%
28	11.175	1542	1545	1548	rBV	286768	264343	6.60%	1.221%
29	11.210	1548	1551	1556	rVB	144274	172814	4.31%	0.799%
30	11.322	1567	1570	1573	rBV	1193158	1025999	25.60%	4.741%
31	11.345	1573	1574	1580	rVB2	109906	120441	3.01%	0.557%
32	11.557	1607	1610	1614	rBV2	48512	57322	1.43%	0.265%
33	11.604	1615	1618	1620	rBV	320269	246530	6.15%	1.139%
34	11.704	1631	1635	1638	rVB	830947	642357	16.03%	2.968%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116413.D
Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.845	1654	1659	1660	rBV3	75178	96439	2.41%	0.446%
36	12.010	1684	1687	1692	rVB	285804	242052	6.04%	1.118%
37	12.392	1747	1752	1753	rBV2	2841647	2818867	70.34%	13.025%
38	12.416	1753	1756	1762	rVB	3825142	4007264	100.00%	18.517%
39	12.492	1766	1769	1774	rVB	631762	503181	12.56%	2.325%
40	12.545	1774	1778	1782	rBV	239060	374391	9.34%	1.730%
41	12.727	1806	1809	1812	rBV	113172	129790	3.24%	0.600%
42	12.769	1813	1816	1822	rVB	362369	372252	9.29%	1.720%
43	12.898	1835	1838	1842	rVB	802440	663728	16.56%	3.067%
44	13.010	1855	1857	1861	rVB3	46648	51118	1.28%	0.236%
45	13.051	1861	1864	1866	rBV	79243	71548	1.79%	0.331%
46	13.121	1874	1876	1878	rBV	146516	125222	3.12%	0.579%
47	13.216	1889	1892	1894	rVB2	79506	63918	1.60%	0.295%
48	13.327	1908	1911	1914	rBV3	46020	60042	1.50%	0.277%
49	13.463	1931	1934	1939	rVB	120941	107734	2.69%	0.498%
50	13.786	1986	1989	1993	rBV2	111845	125123	3.12%	0.578%
51	13.880	2002	2005	2010	rBV2	71153	82663	2.06%	0.382%
52	13.963	2015	2019	2023	rBV	796443	823201	20.54%	3.804%
53	14.104	2040	2043	2046	rBV	70767	62258	1.55%	0.288%
54	14.404	2092	2094	2101	rVB	78093	86274	2.15%	0.399%
55	14.710	2143	2146	2148	rVB	66013	63128	1.58%	0.292%
56	15.421	2264	2267	2276	rVB	608674	770486	19.23%	3.560%

Sum of corrected areas: 21641328

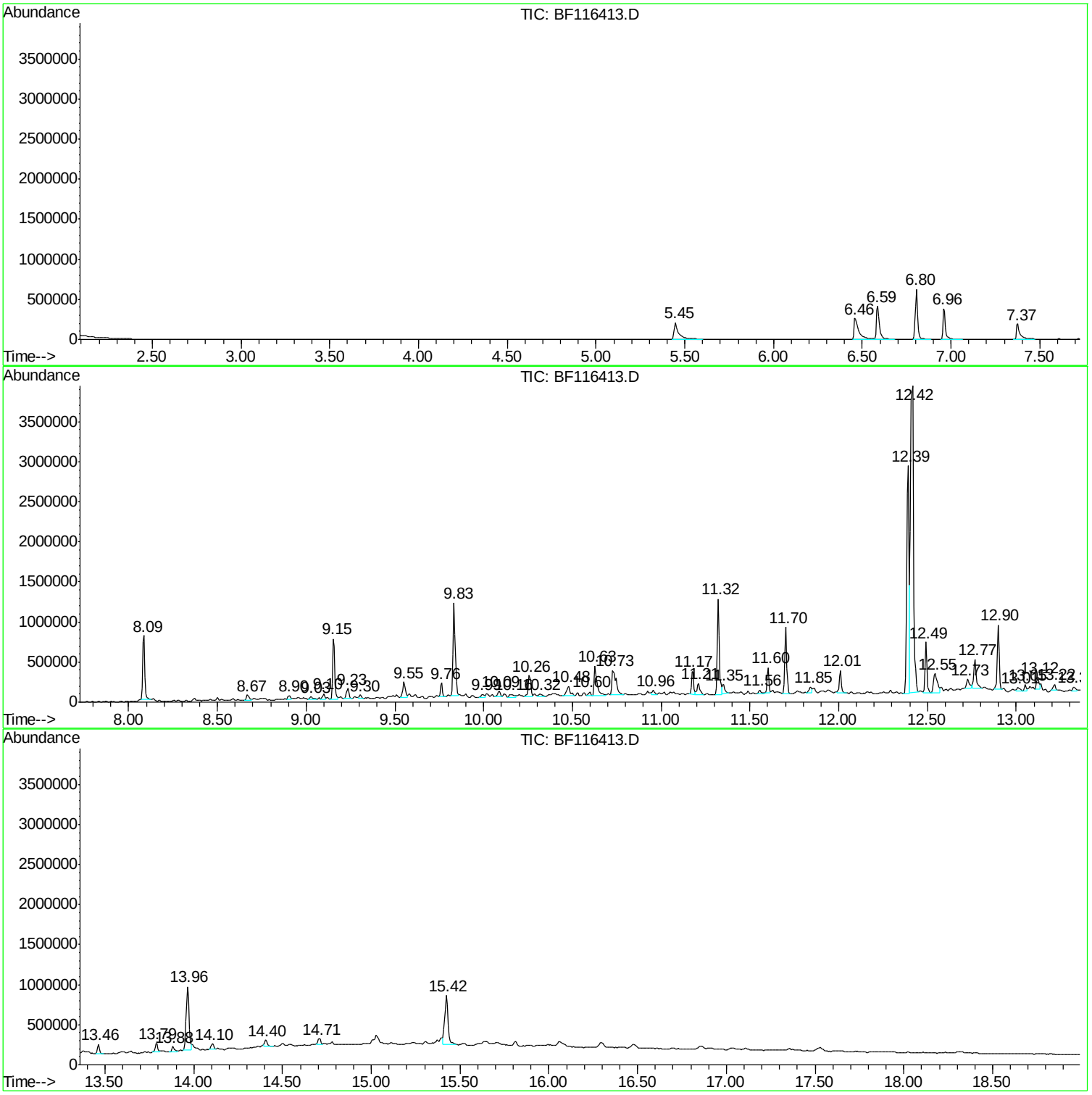
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116413.D
Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-03-081519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF081919\
Data File : BF116413.D
Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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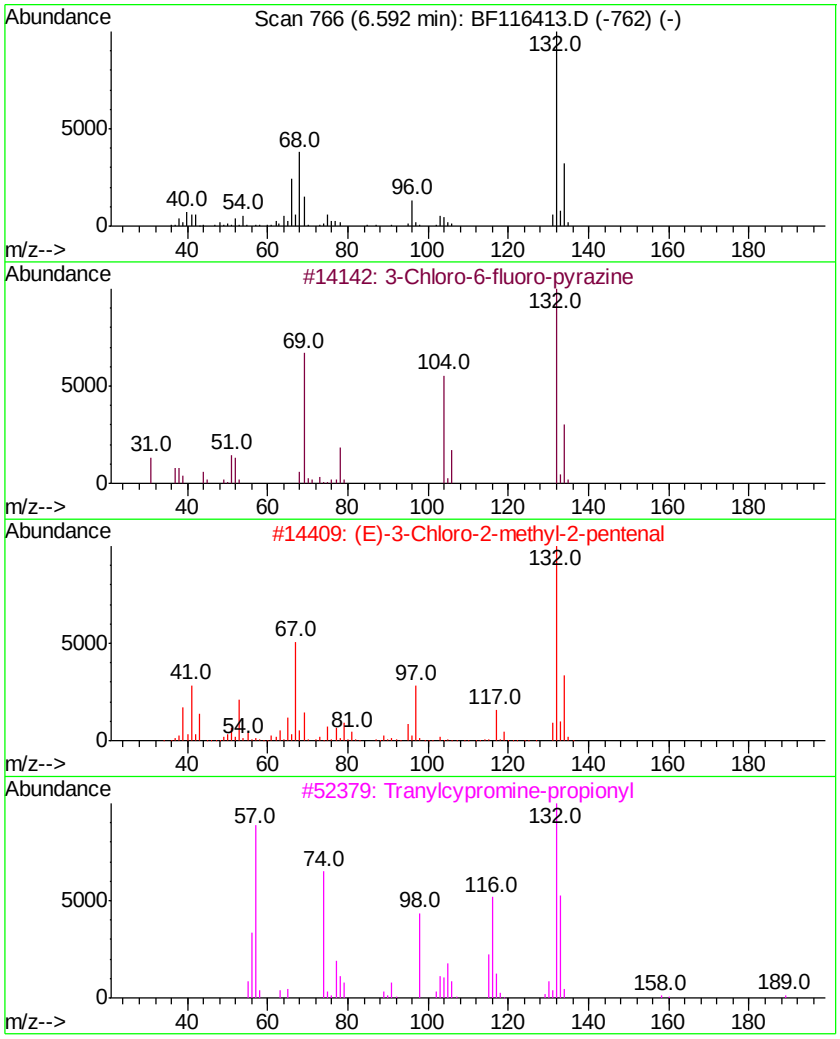
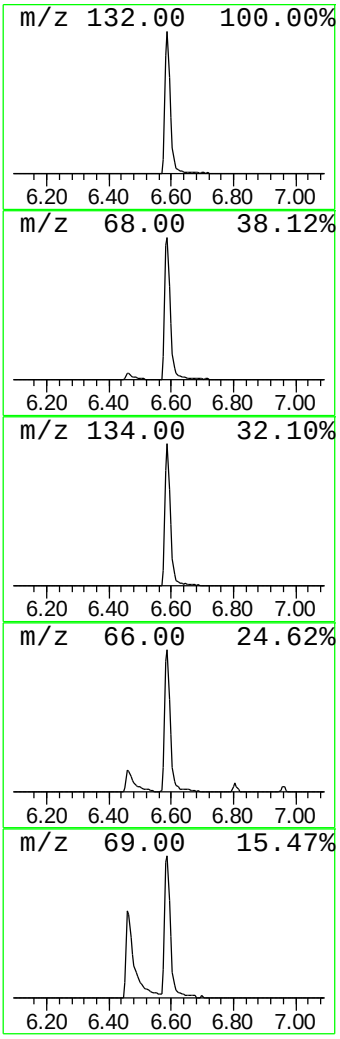
Peak Number 1 unknown6.59 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	18.04 ng	519539	1,4-Dichlorobenzene-d4	6.80

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	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116413.D
Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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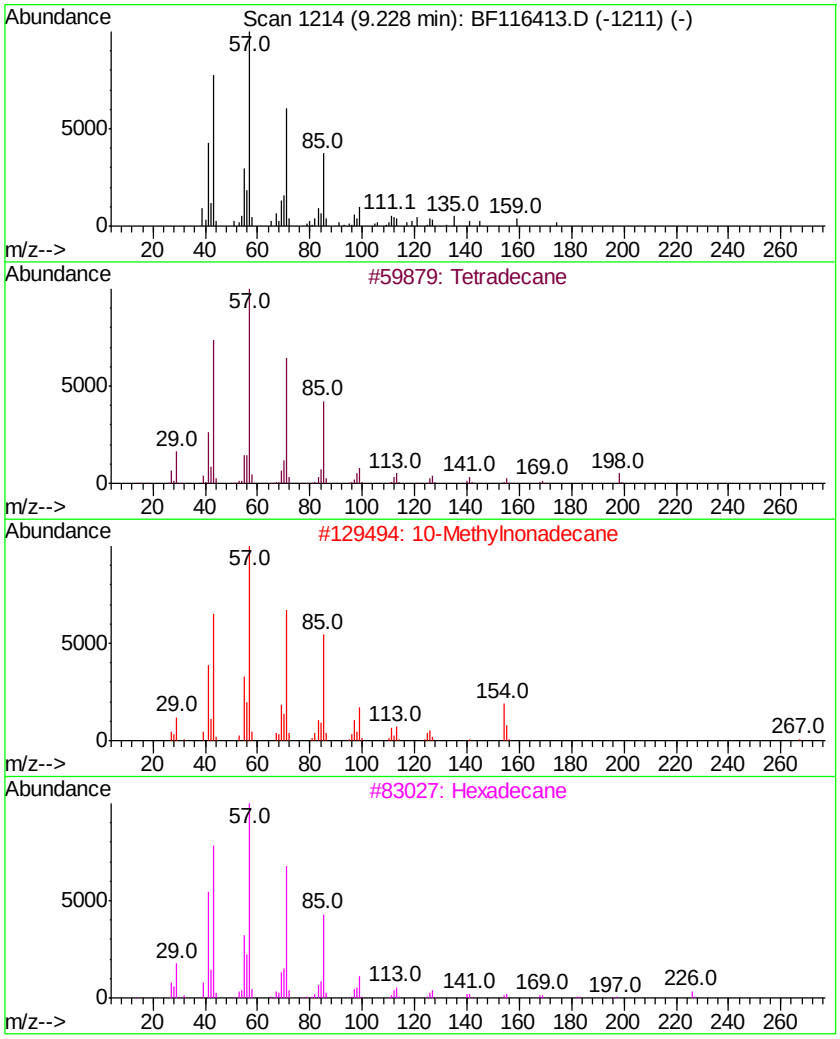
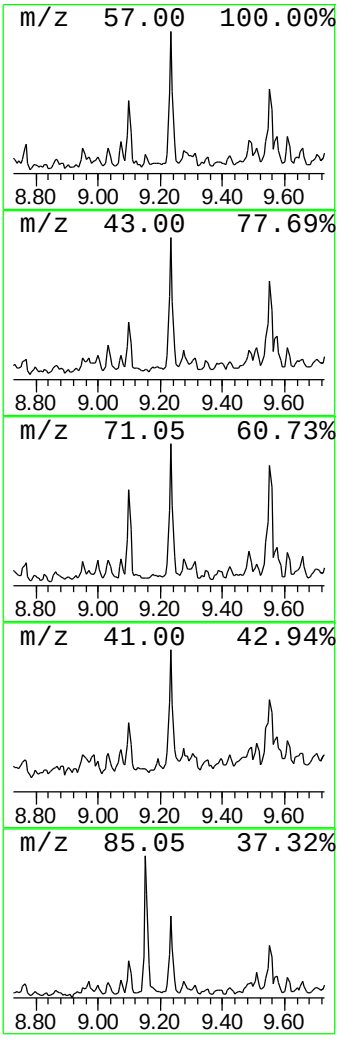
Peak Number 3 Tetradecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	2.48 ng	118072	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	10-Methylnonadecane	282	C20H42	056862-62-5	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Tridecane	184	C13H28	000629-50-5	86
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116413.D
Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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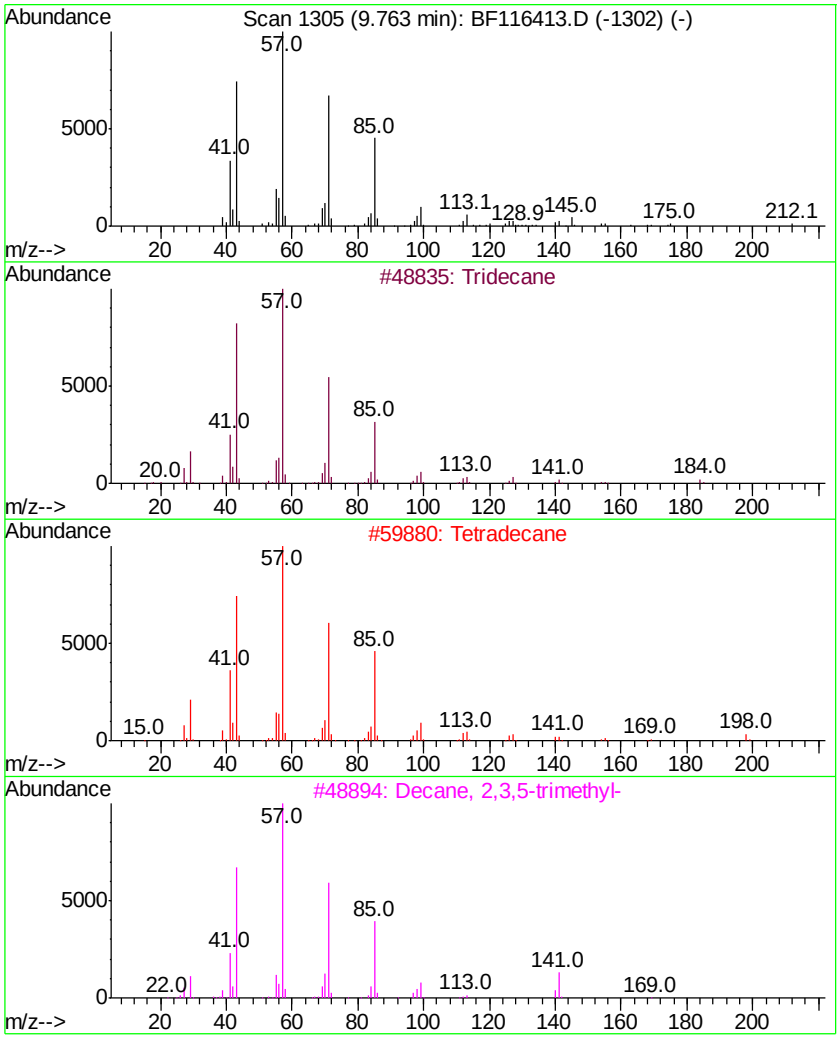
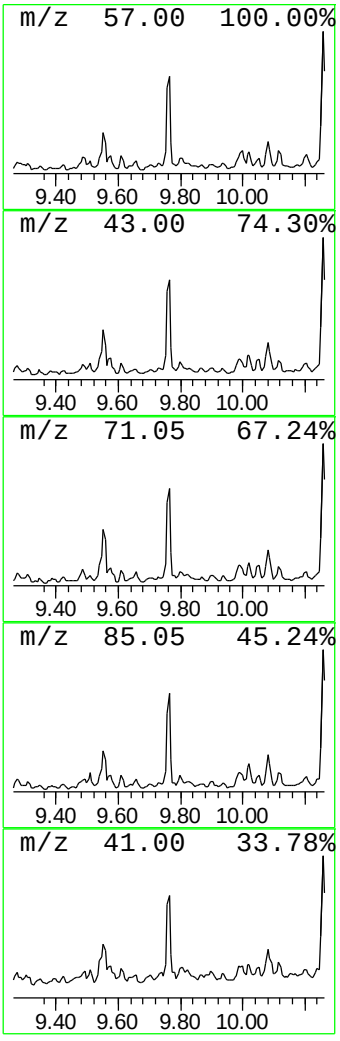
Peak Number 4 Tridecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	3.08 ng	146663	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	86
2	Tetradecane	198	C14H30	000629-59-4	86
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78
4	Decane, 3-bromo-	220	C10H21Br	030571-71-2	64
5	Hexadecane	226	C16H34	000544-76-3	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116413.D
Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

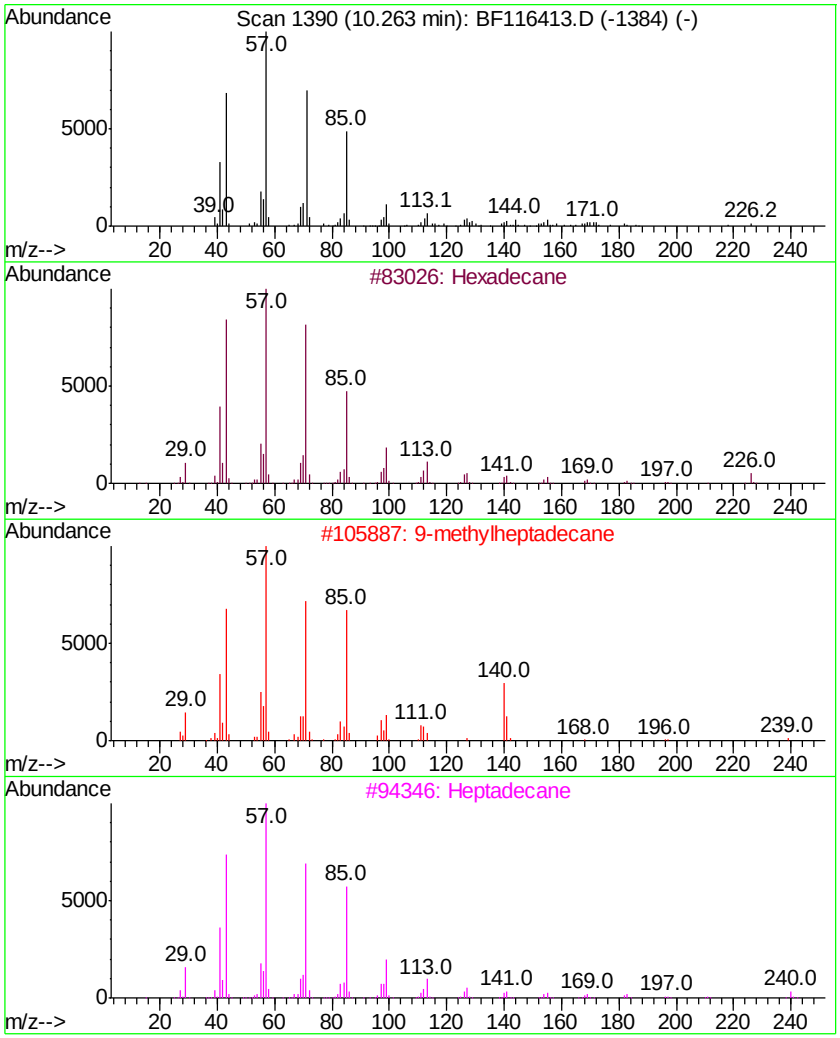
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

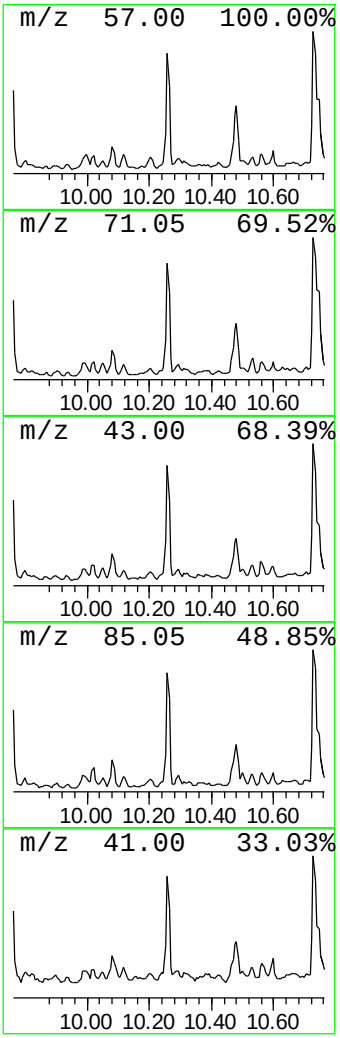
****

Peak Number 5 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	5.31 ng	252704	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	9-methylheptadecane	254	C18H38	026741-18-4	90
3	Heptadecane	240	C17H36	000629-78-7	90
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
5	Undecane, 3-methyl-	170	C12H26	001002-43-3	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116413.D
Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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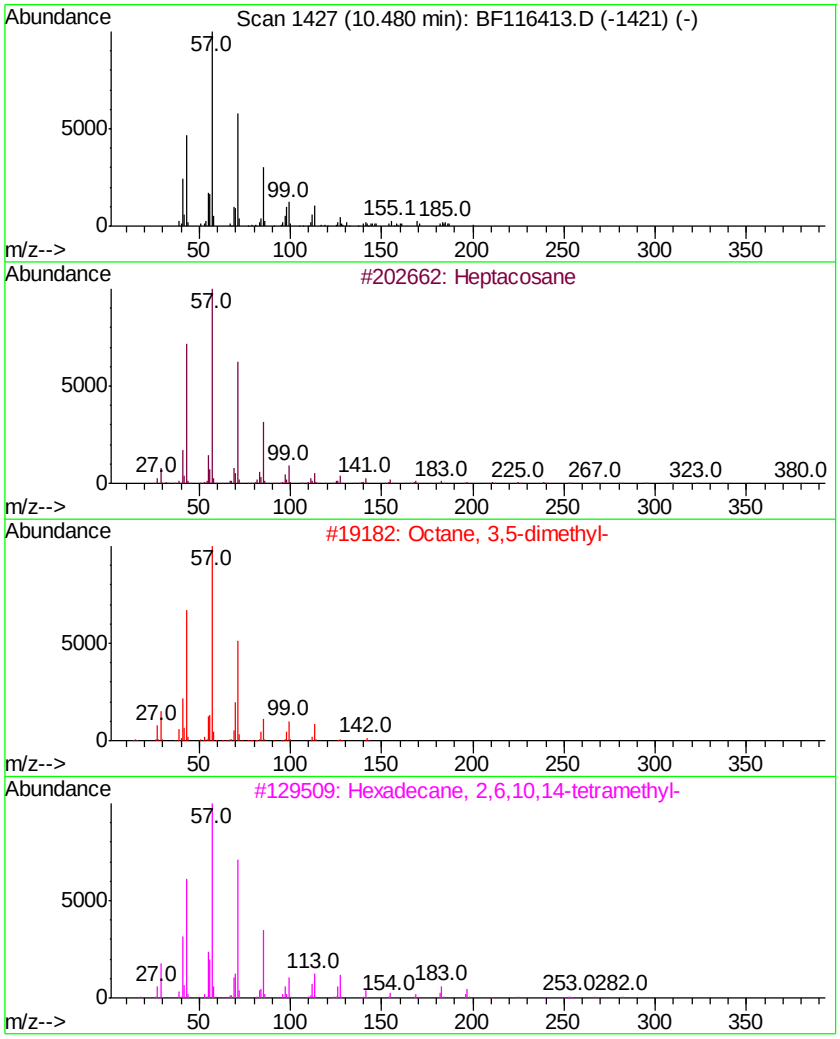
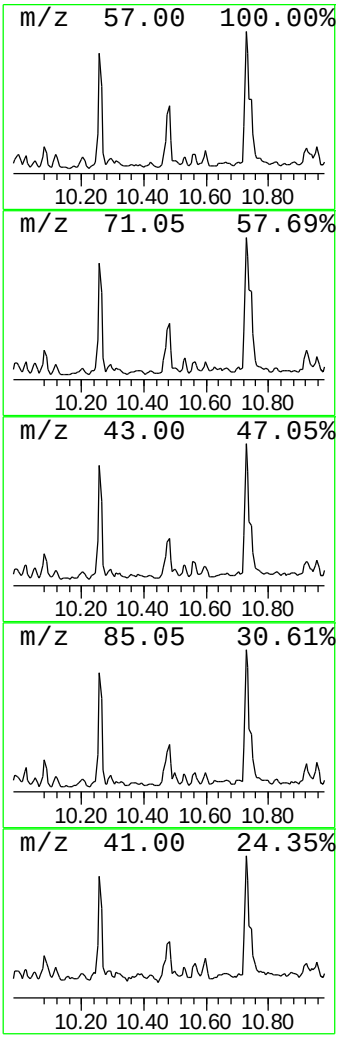
Peak Number 6 Heptacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	3.84 ng	183107	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	83
2	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	74
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
4	Hexadecane	226	C16H34	000544-76-3	72
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116413.D
Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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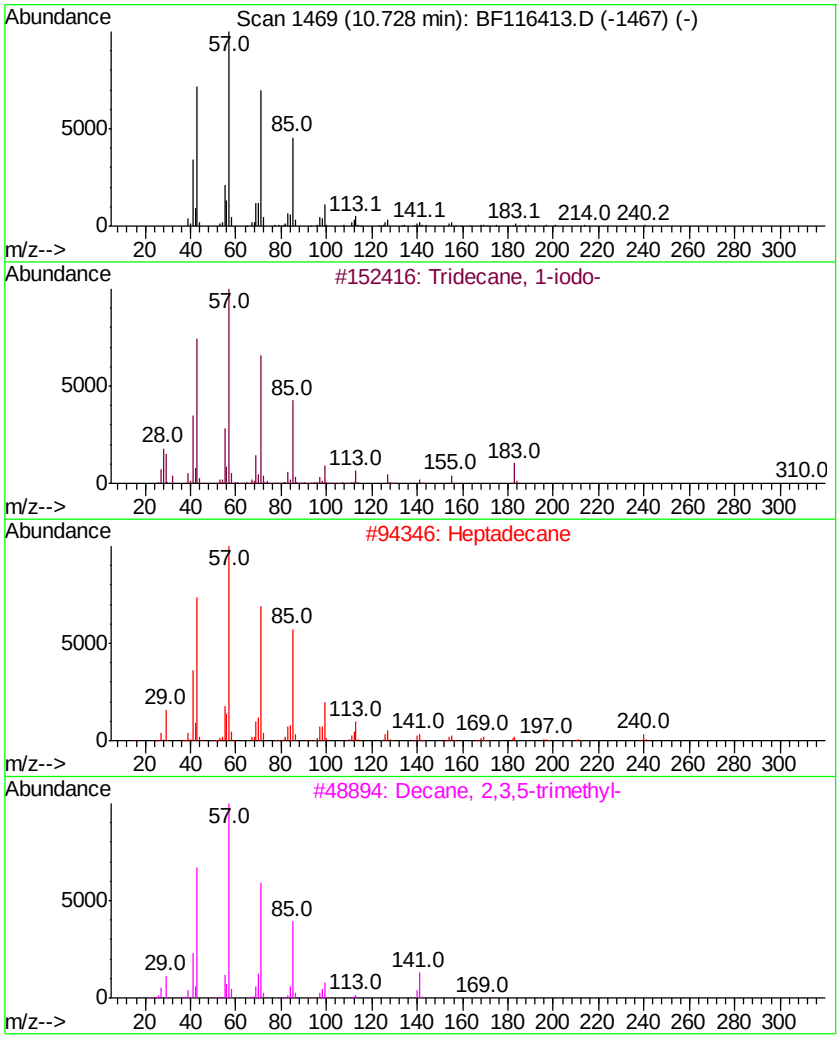
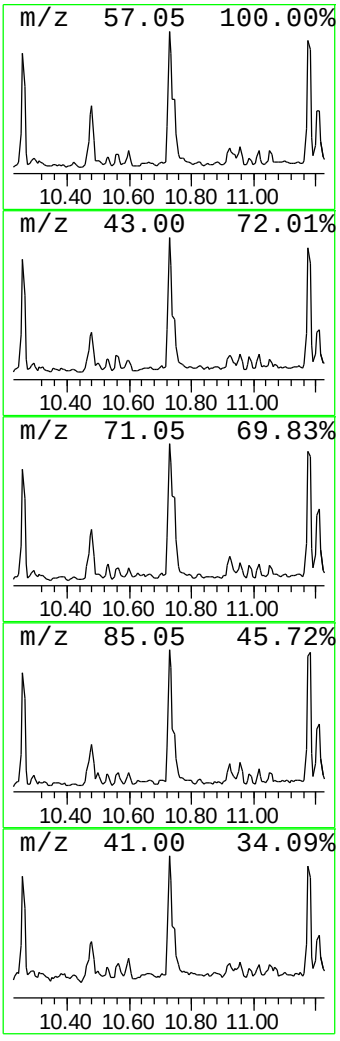
Peak Number 7 Tridecane, 1-iodo- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	8.83 ng	452856	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
2	Heptadecane	240	C17H36	000629-78-7	91
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Nonadecane	268	C19H40	000629-92-5	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116413.D
Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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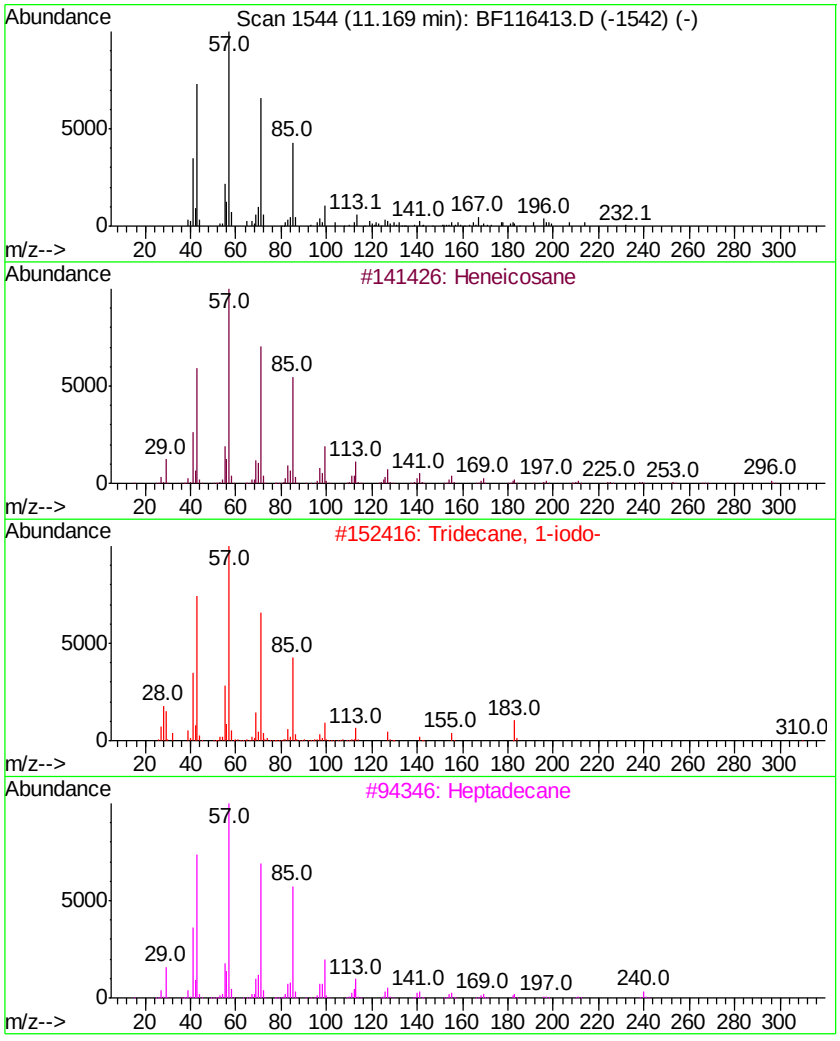
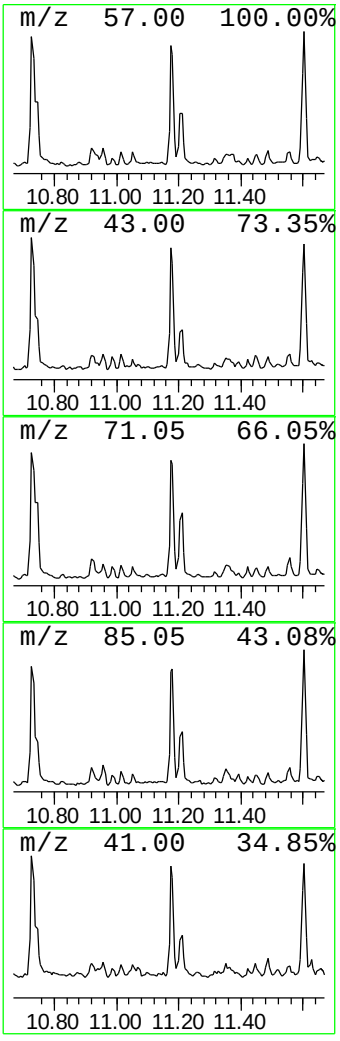
Peak Number 8 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	5.15 ng	264343	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3	Heptadecane	240	C17H36	000629-78-7	86
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5	Undecane	156	C11H24	001120-21-4	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116413.D
Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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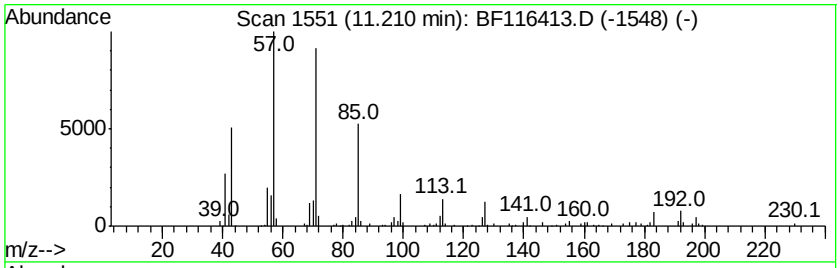
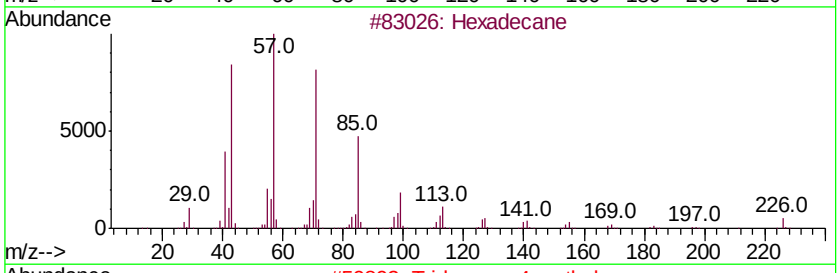
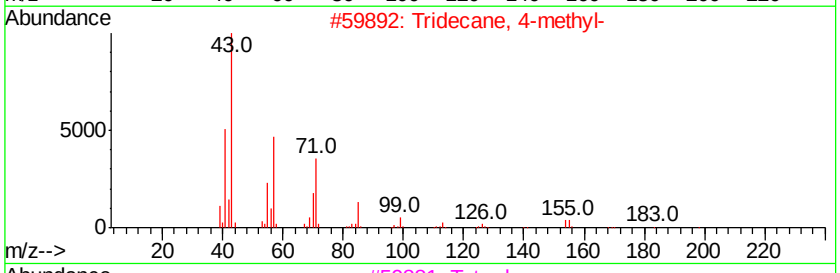
Peak Number 9 Tridecane, 4-methyl- Concentration Rank 12

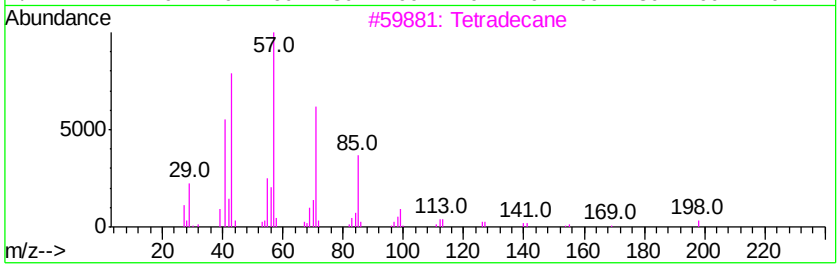
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	3.37 ng	172814	Phenanthrene-d10	11.32

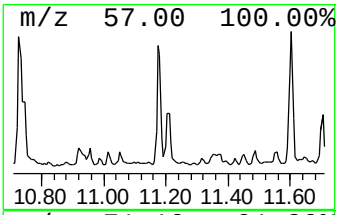
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Tridecane, 4-methyl-	198	C14H30	026730-12-1	83
3	Tetradecane	198	C14H30	000629-59-4	80
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	74
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	62

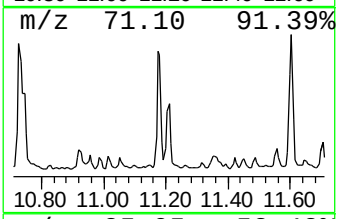


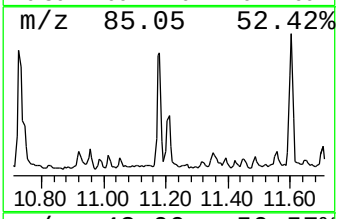


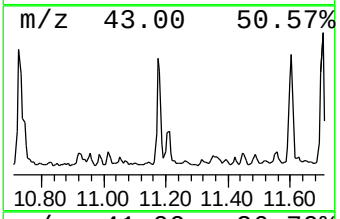


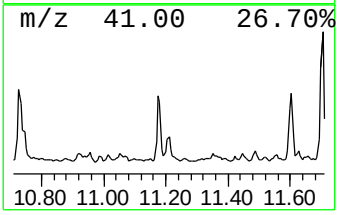












Library Search Compound Report

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Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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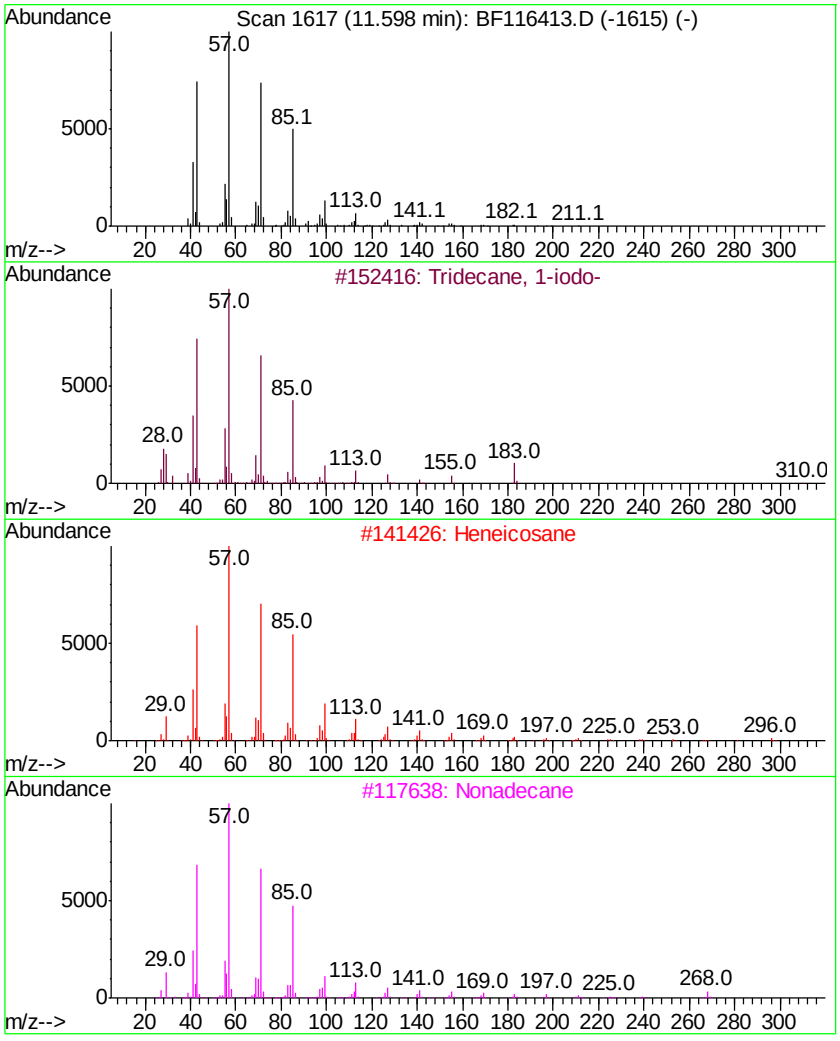
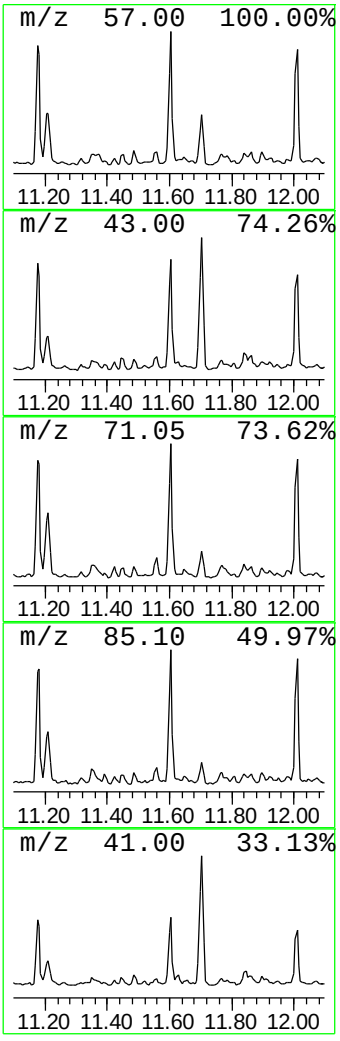
Peak Number 10 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	4.81 ng	246530	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Nonadecane	268	C19H40	000629-92-5	91
4	Octadecane	254	C18H38	000593-45-3	91
5	Heptadecane	240	C17H36	000629-78-7	90





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Instrument : BNA_F
ClientSampleId : JC-03-081519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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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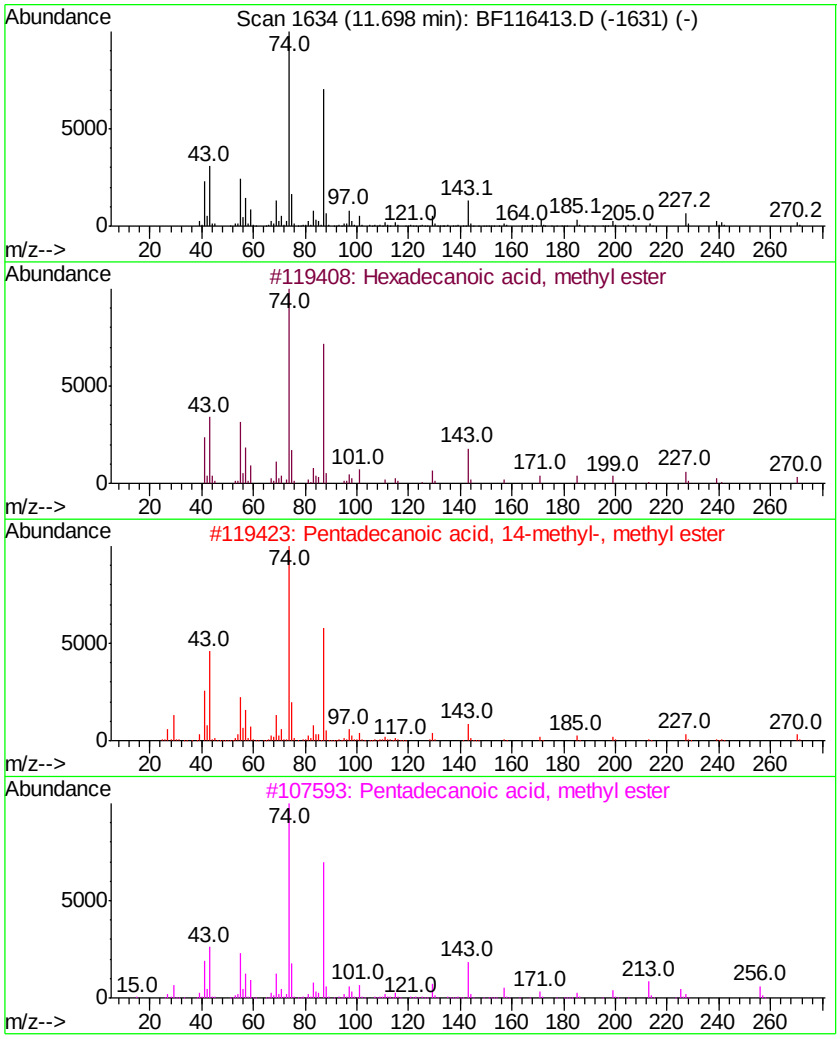
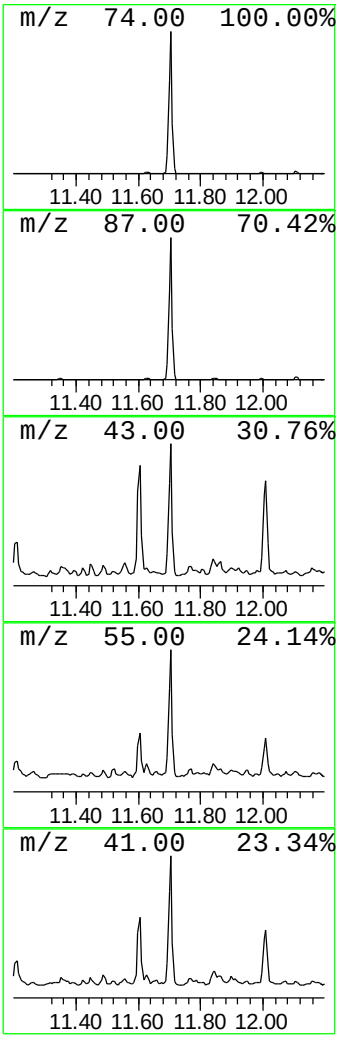
Peak Number 11 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	12.52 ng	642357	Phenanthrene-d10	11.32

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	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	72





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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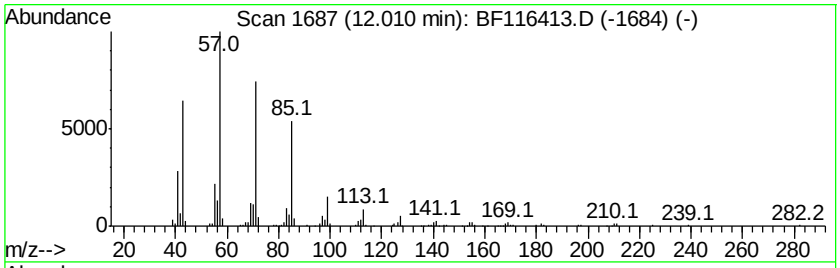
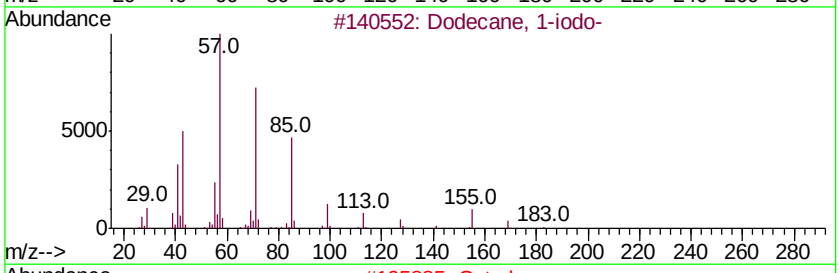
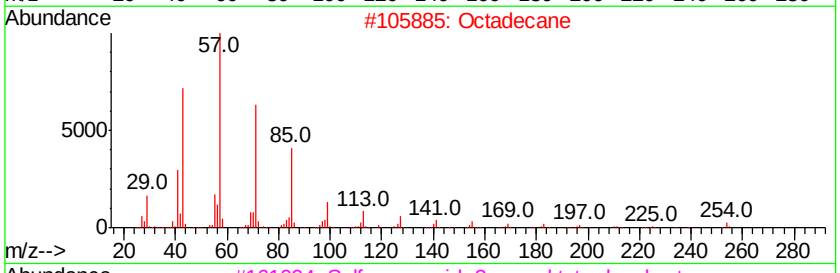
Peak Number 12 Dodecane, 1-iodo- Concentration Rank 10

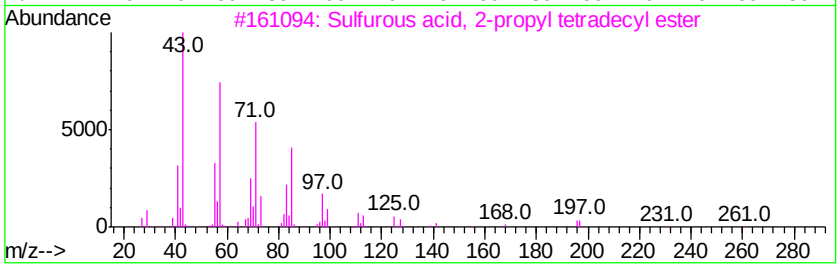
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	4.72 ng	242052	Phenanthrene-d10	11.32

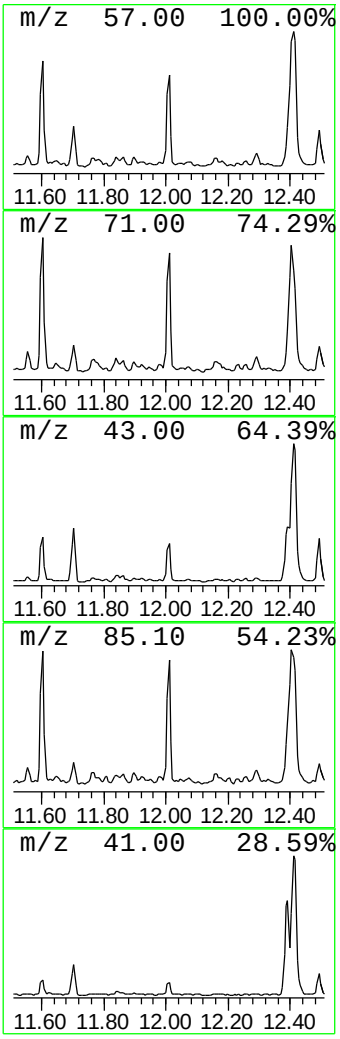
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	90
2	Octadecane	254	C18H38	000593-45-3	86
3	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	86
4	Heptacosane	380	C27H56	000593-49-7	80
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80











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Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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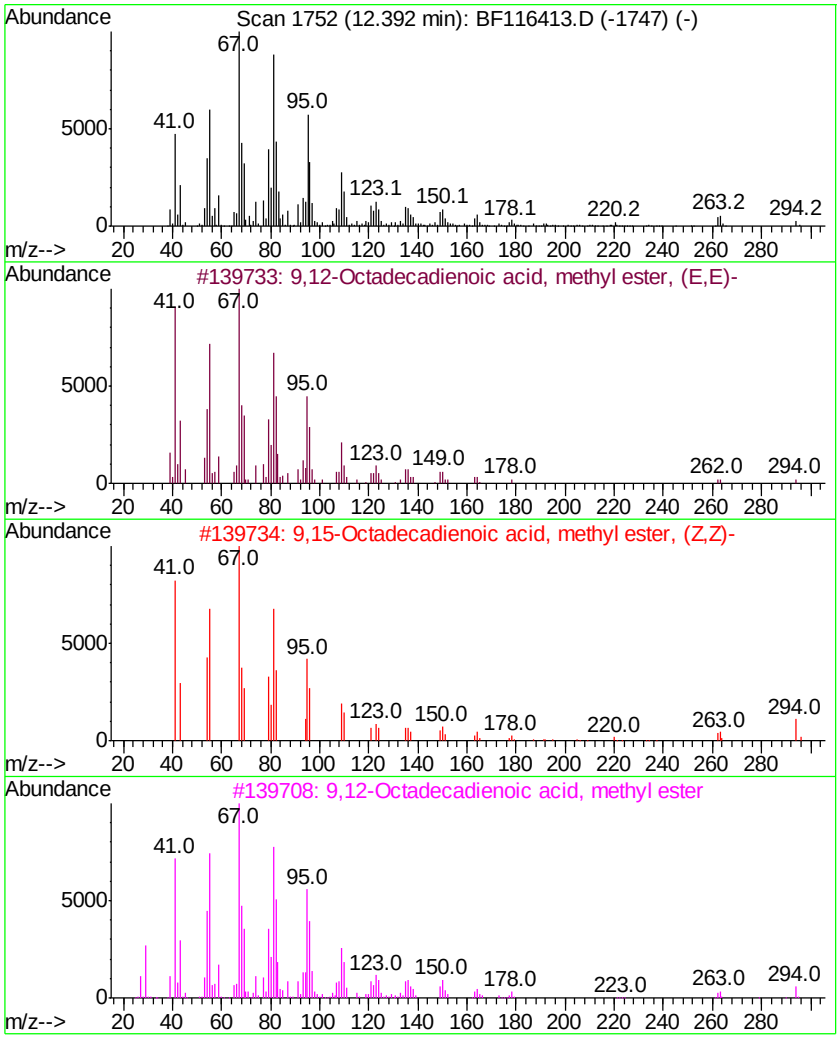
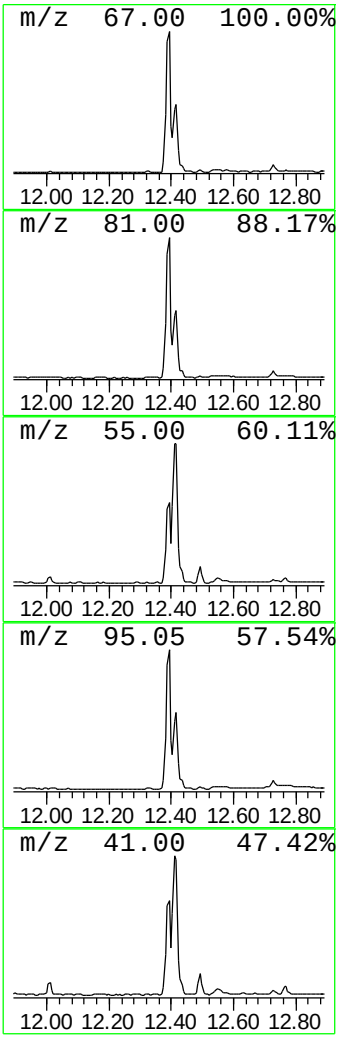
Peak Number 13 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	54.95 ng	2818870	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99





Library Search Compound Report

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Operator : HP/JU
Sample : K3616-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : JC-03-081519-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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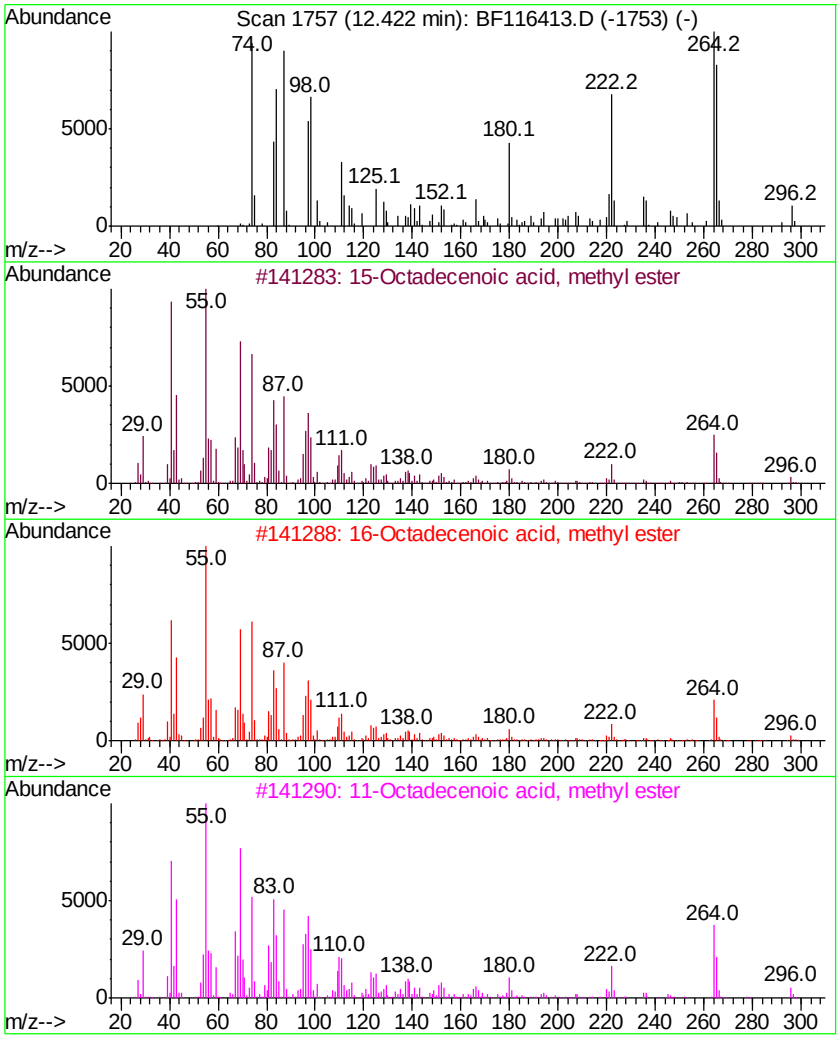
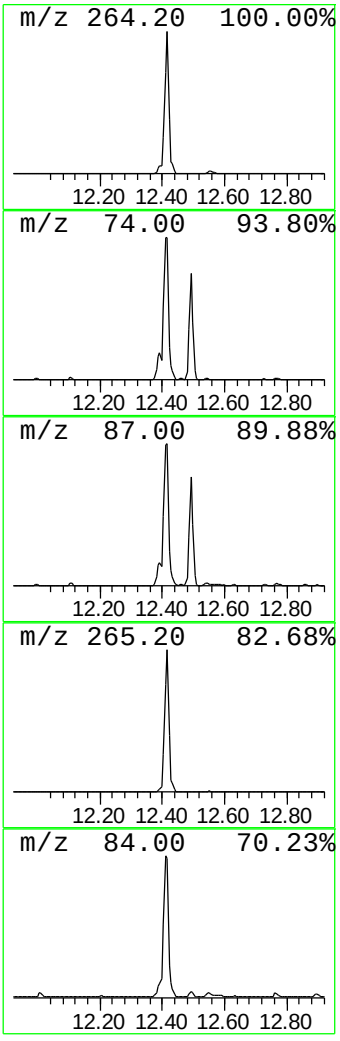
Peak Number 14 15-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	78.11 ng	4007260	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	97
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	97
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	94
4	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	90
5	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	86





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Misc :
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Instrument : BNA_F
ClientSampleId : JC-03-081519-A

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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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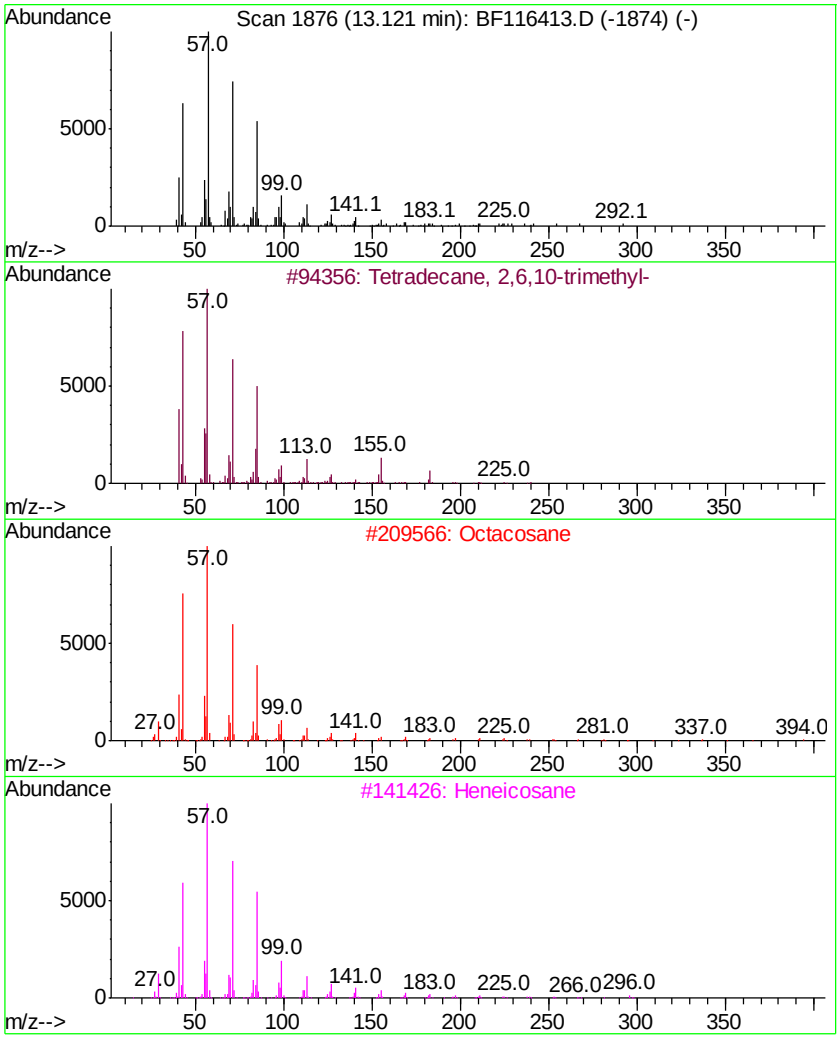
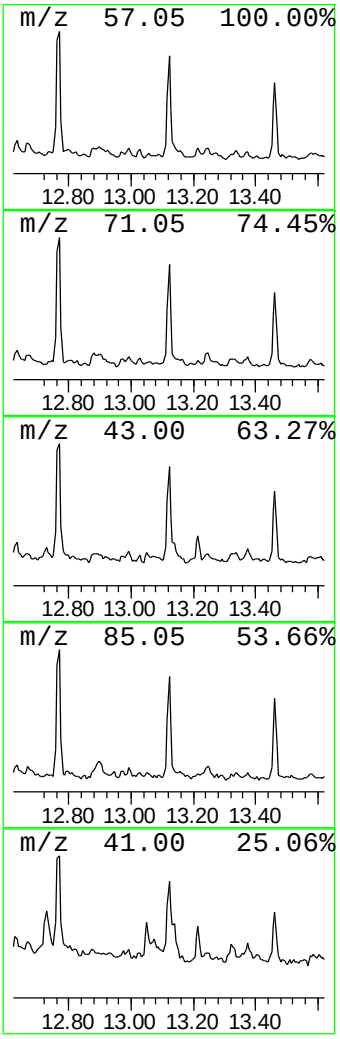
Peak Number 15 Tetradecane, 2,6,10-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	3.04 ng	125222	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	94
2	Octacosane	394	C28H58	000630-02-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Eicosane	282	C20H42	000112-95-8	91
5	Docosane	310	C22H46	000629-97-0	90





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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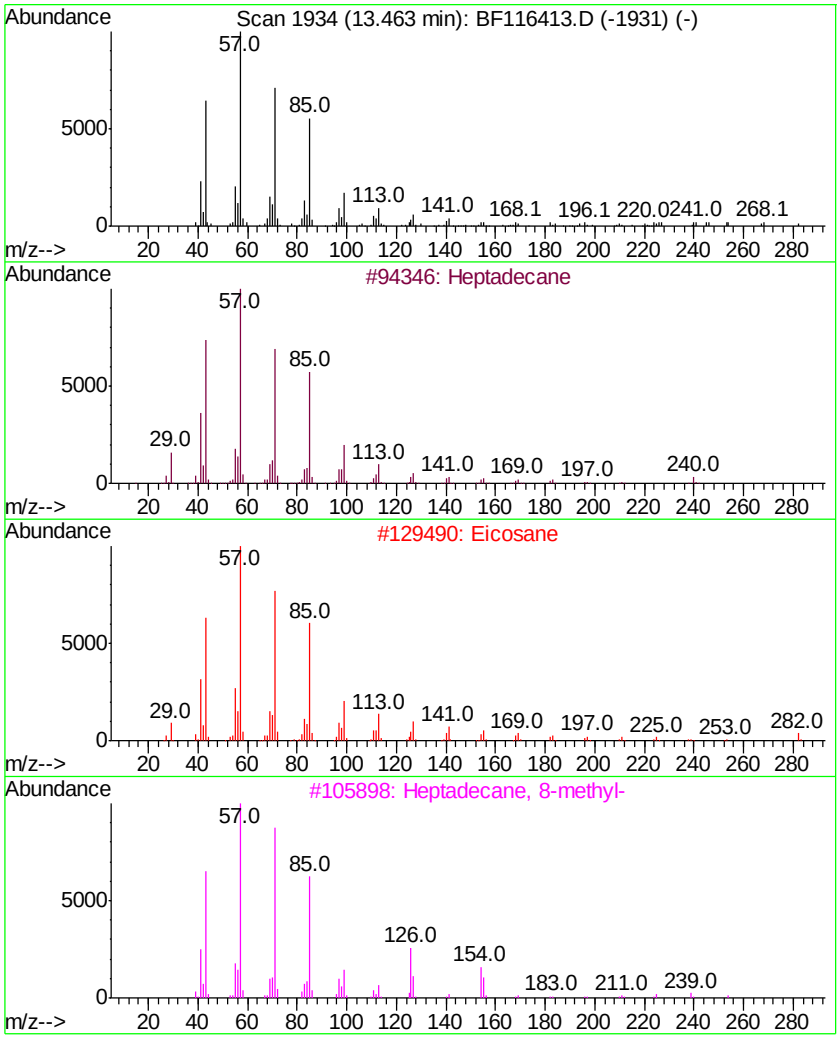
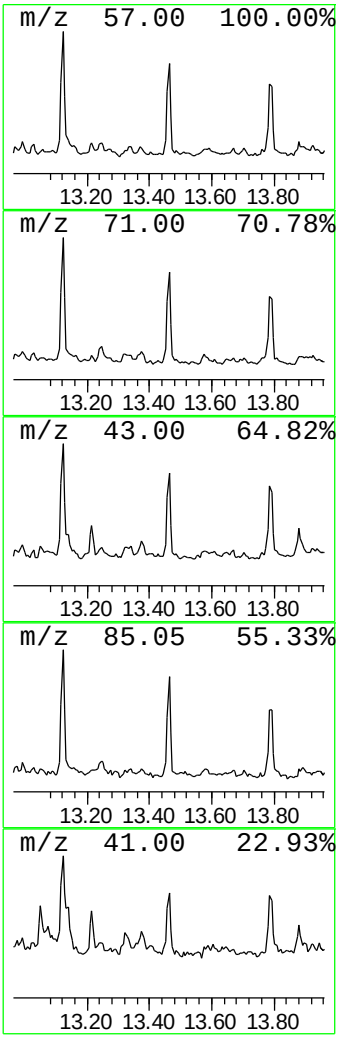
Peak Number 16 Eicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	2.62 ng	107734	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Eicosane	282	C20H42	000112-95-8	94
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	94
4	Nonadecane	268	C19H40	000629-92-5	93
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90





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Sample : K3616-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : JC-03-081519-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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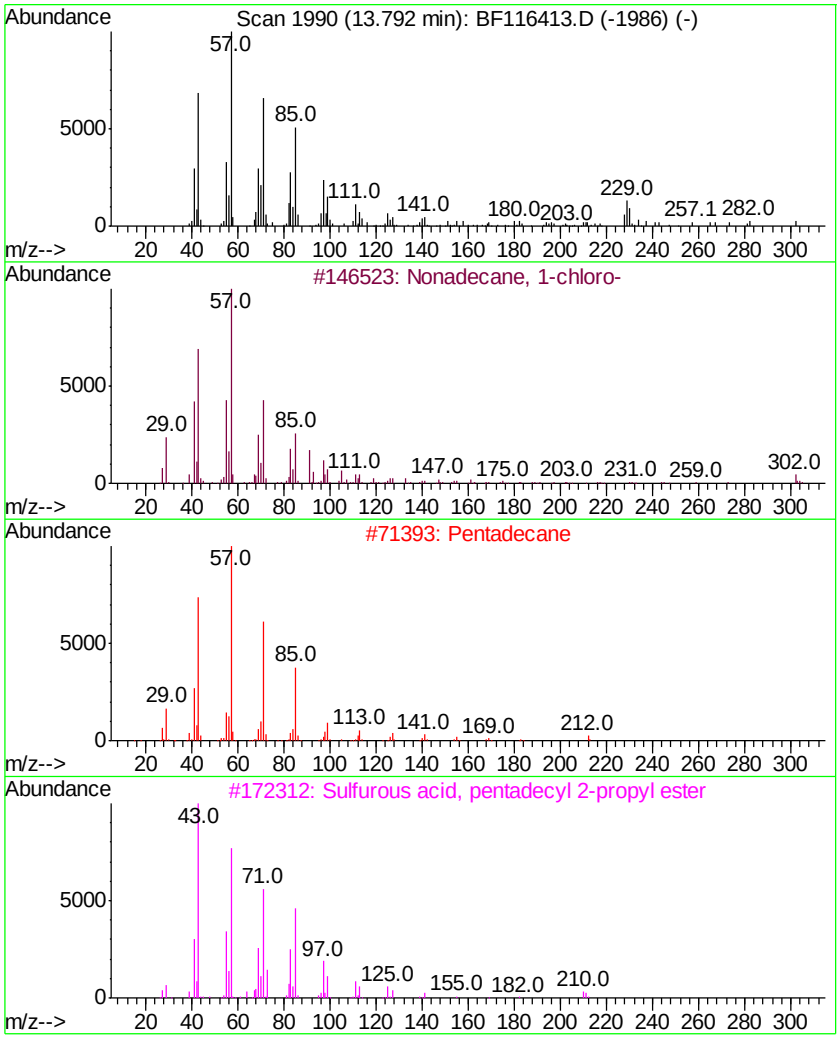
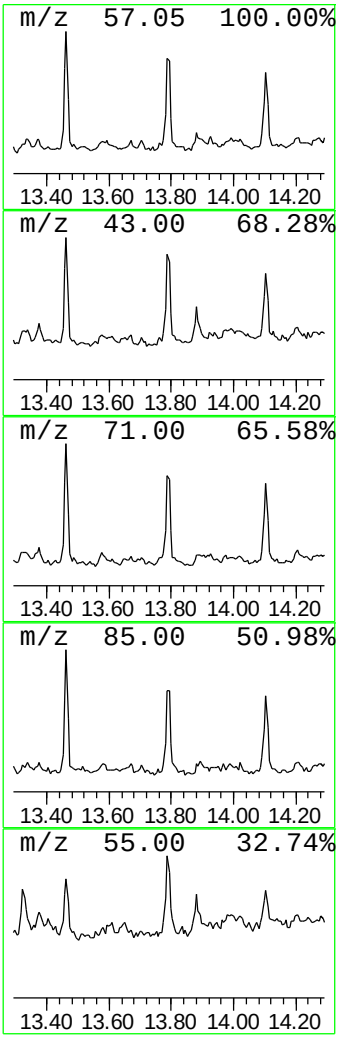
Peak Number 17 Nonadecane, 1-chloro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	3.04 ng	125123	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	94
2	Pentadecane	212	C15H32	000629-62-9	93
3	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	91
4	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	91
5	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	90





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Misc :
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Instrument : BNA_F
ClientSampleId : JC-03-081519-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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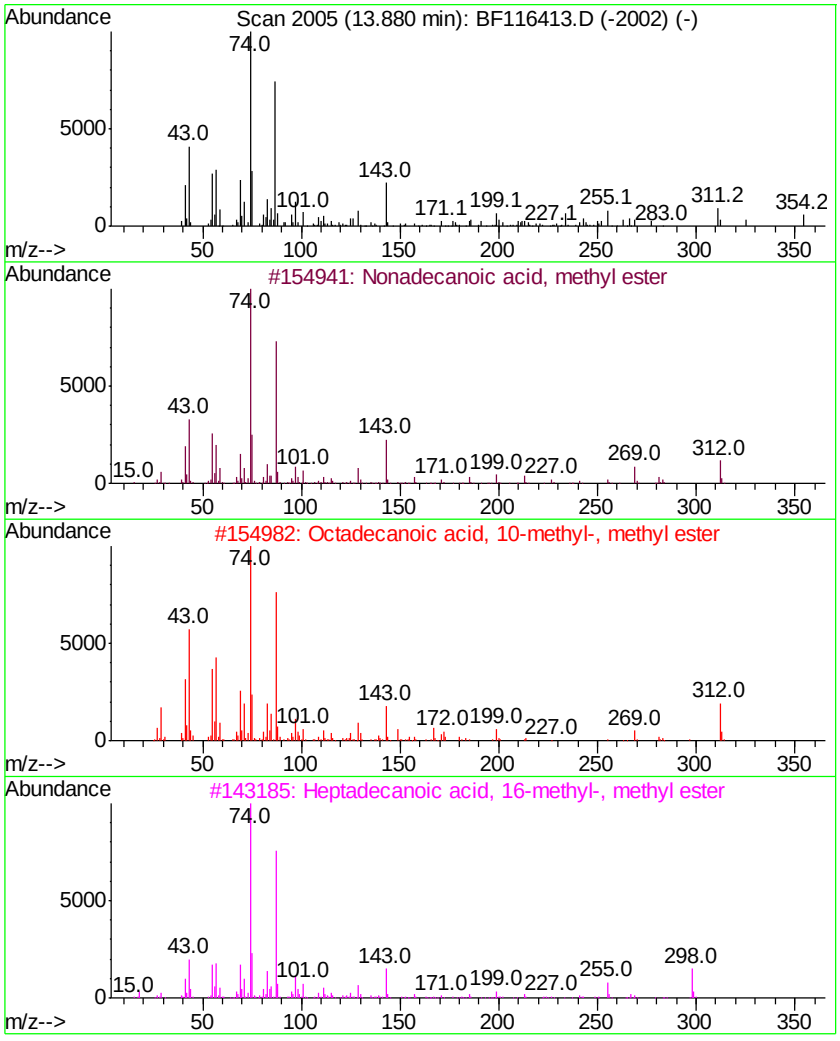
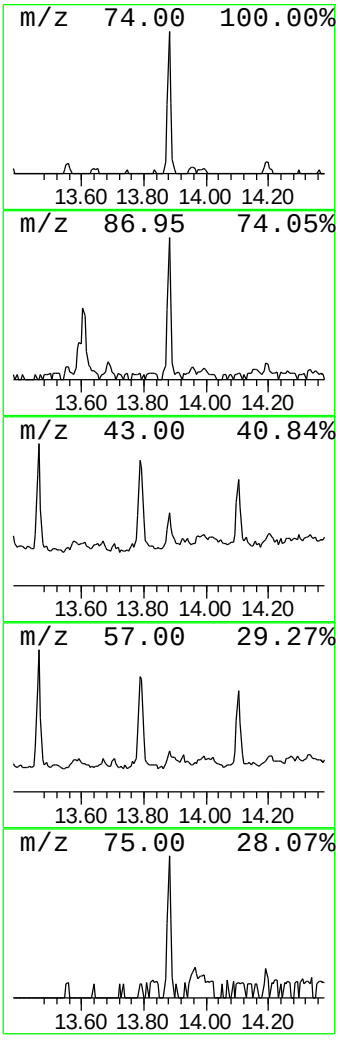
Peak Number 18 Nonadecanoic acid, methyl e... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	2.01 ng	82663	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	91
2	Octadecanoic acid, 10-methyl-, m...	312	C20H40O2	002490-19-9	91
3	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	83
4	Methyl stearate	298	C19H38O2	000112-61-8	80
5	Heneicosanoic acid, methyl ester	340	C22H44O2	006064-90-0	80





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

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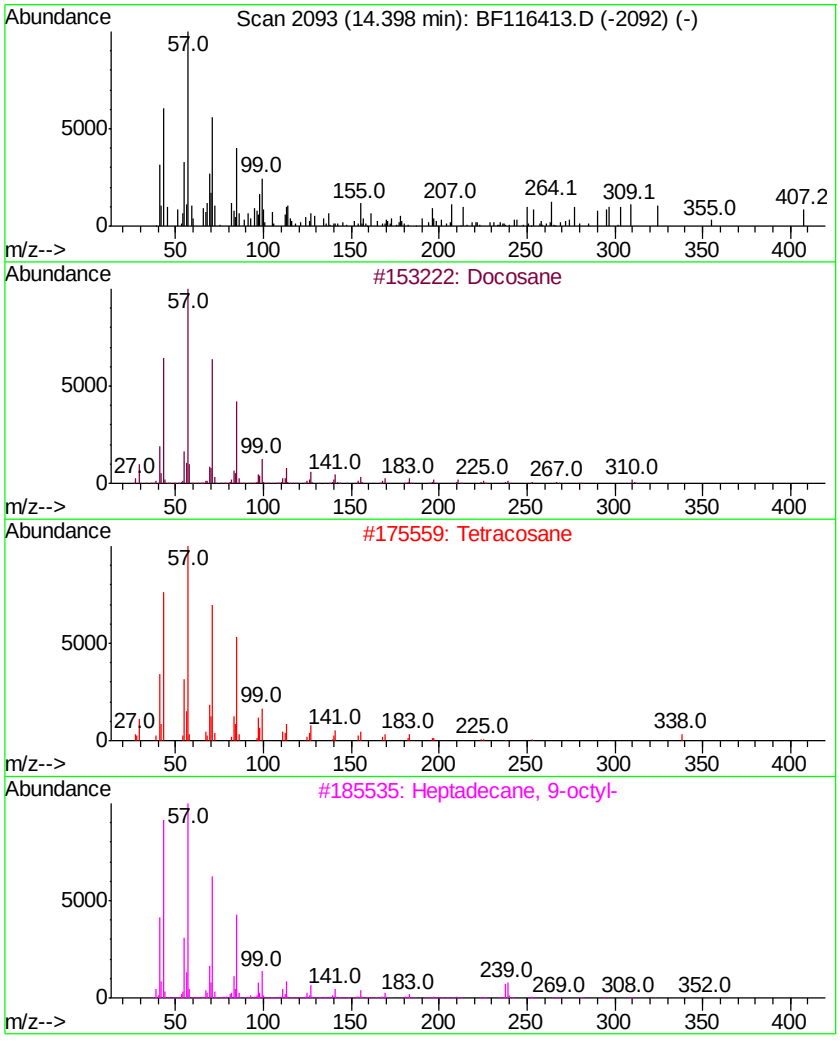
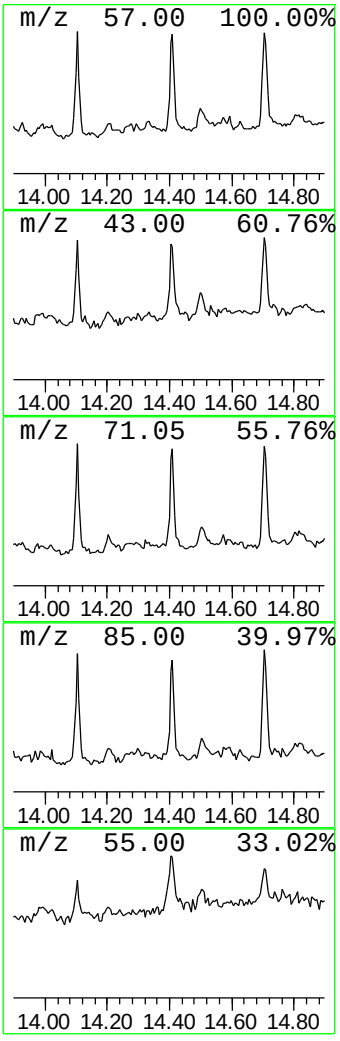
Peak Number 19 Docosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	2.10 ng	86274	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	95
2	Tetracosane	338	C24H50	000646-31-1	87
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83
4	Tetratetracontane	619	C44H90	007098-22-8	83
5	Octacosane	394	C28H58	000630-02-4	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
Data File : BF116413.D
Acq On : 20 Aug 2019 2:53
Operator : HP/JU
Sample : K3616-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-081519-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
unknown6.59	6.59	18.0	ng	519539	1	6.80	576017	20.0
Tetradecane	9.23	2.5	ng	118072	3	9.83	952517	20.0
Tridecane	9.76	3.1	ng	146663	3	9.83	952517	20.0
Hexadecane	10.26	5.3	ng	252704	3	9.83	952517	20.0
Heptacosane	10.48	3.8	ng	183107	3	9.83	952517	20.0
Tridecane, 1-iodo-	10.73	8.8	ng	452856	4	11.32	1026000	20.0
Heneicosane	11.17	5.2	ng	264343	4	11.32	1026000	20.0
Tridecane, 4-methyl-	11.21	3.4	ng	172814	4	11.32	1026000	20.0
Nonadecane	11.60	4.8	ng	246530	4	11.32	1026000	20.0
Hexadecanoic acid...	11.70	12.5	ng	642357	4	11.32	1026000	20.0
Dodecane, 1-iodo-	12.01	4.7	ng	242052	4	11.32	1026000	20.0
9,12-Octadecadien...	12.39	55.0	ng	2818870	4	11.32	1026000	20.0
15-Octadecenoic a...	12.42	78.1	ng	4007260	4	11.32	1026000	20.0
Tetradecane, 2,6,...	13.12	3.0	ng	125222	5	13.96	823201	20.0
Eicosane	13.46	2.6	ng	107734	5	13.96	823201	20.0
Nonadecane, 1-chl...	13.79	3.0	ng	125123	5	13.96	823201	20.0
Nonadecanoic acid...	13.88	2.0	ng	82663	5	13.96	823201	20.0
Docosane	14.40	2.1	ng	86274	5	13.96	823201	20.0