LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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	4.010	321	327	331	rBV	31731	42091	1.46%	0.127%
2	5.522	579	584	587	rBV	2119618	1905880	65.96%	5.766%
3	6.522	749	754	757	rBV	2225900	1972645	68.27%	5.968%
4	6.669	775	779	782	rBV	2374141	2045366	70.79%	6.188%
5	6.904	815	819	822	rBV	1298821	1107604	38.33%	3.351%
6	7.057	841	845	849	rBV	1927709	1552811	53.74%	4.698%
7	7.457	908	913	916	rBV	1300402	1137661	39.37%	3.442%
8	8.181	1032	1036	1040	rBV	1534733	1348254	46.66%	4.079%
9	8.610	1106	1109	1114	rBV	43978	49226	1.70%	0.149%
10	8.781	1135	1138	1141	rBV	66591	53253	1.84%	0.161%
11	9.257	1215	1219	1222	rBV	2493640	1936692	67.03%	5.859%
12	9.345	1230	1234	1238	rBV2	104393	100127	3.47%	0.303%
13	9.598	1271	1277	1279	rBV5	33520	47258	1.64%	0.143%
14	9.645	1283	1285	1291	rBV	208603	215572	7.46%	0.652%
15	9.798	1308	1311	1313	rBV	45494	38729	1.34%	0.117%
16	9.875	1316	1324	1327	rBV	135970	126327	4.37%	0.382%
17	9.939	1331	1335	1339	rVB	1648953	1346149	46.59%	4.072%
18	10.198	1375	1379	1383	rVB6	28806	40513	1.40%	0.123%
19	10.375	1403	1409	1412	rBV	161485	138439	4.79%	0.419%
20	10.486	1425	1428	1430	rBV	41247	42879	1.48%	0.130%
21	10.598	1441	1447	1449	rBV	60889	80747	2.79%	0.244%
22	10.722	1464	1468	1473	rBV	1356315	1193543	41.31%	3.611%
23	10.845	1486	1489	1498	rVB	155810	189152	6.55%	0.572%
24	11.298	1563	1566	1568	rBV	114527	103070	3.57%	0.312%
25	11.327	1568	1571	1576	rVB2	74054	84562	2.93%	0.256%
26	11.427	1584	1588	1590	rBV	1529676	1350650	46.75%	4.086%
27	11.445	1590	1591	1594	rVV	226453	170022	5.88%	0.514%
28	11.498	1598	1600	1603	rVB	94424	74239	2.57%	0.225%
29	11.722	1635	1638	1640	rBV	124411	100719	3.49%	0.305%
30	11.822	1651	1655	1658	rBV	1130762	891161	30.84%	2.696%
31	11.951	1674	1677	1684	rVB2	525703	435627	15.08%	1.318%
32	12.039	1689	1692	1695	rBV	76185	80676	2.79%	0.244%
33	12.133	1705	1708	1711	rVB	93745	79643	2.76%	0.241%
34	12.227	1721	1724	1726	rBV2	41572	38826	1.34%	0.117%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.422	1752	1757	1761	rBV4	28921	60204	2.08%	0.182%
36	12.486	1764	1768	1769	rBV	49768	52774	1.83%	0.160%
37	12.516	1769	1773	1775	rBV	3048823	2889391	100.00%	8.741%
38	12.539	1775	1777	1780	rVB	3415150	2678268	92.69%	8.102%
39	12.627	1788	1792	1794	rBV	554345	550737	19.06%	1.666%
40	12.651	1794	1796	1798	rVV	497654	442663	15.32%	1.339%
41	12.674	1798	1800	1809	rVV2	272249	377319	13.06%	1.141%
42	12.751	1810	1813	1820	rVB3	220698	240442	8.32%	0.727%
43	12.886	1830	1836	1839	rBV	437620	512340	17.73%	1.550%
44	12.916	1839	1841	1843	rVB	70746	57340	1.98%	0.173%
45	13.039	1858	1862	1865	rBV	1976585	1817181	62.89%	5.497%
46	13.216	1889	1892	1893	rBV2	99593	94735	3.28%	0.287%
47	13.233	1893	1895	1902	rVV2	139012	164995	5.71%	0.499%
48	13.304	1903	1907	1910	rVV2	148769	202567	7.01%	0.613%
49	13.345	1912	1914	1916	rVV	56993	52776	1.83%	0.160%
50	13.392	1920	1922	1927	rVB2	94191	95774	3.31%	0.290%
51	13.668	1967	1969	1972	rBV2	65959	62274	2.16%	0.188%
52	14.204	2055	2060	2063	rBV	1367112	1559243	53.96%	4.717%
53	14.233	2063	2065	2068	rVB	162498	131236	4.54%	0.397%
54	15.945	2352	2356	2360	rVB	733930	893530	30.92%	2.703%

Sum of corrected areas: 33055902

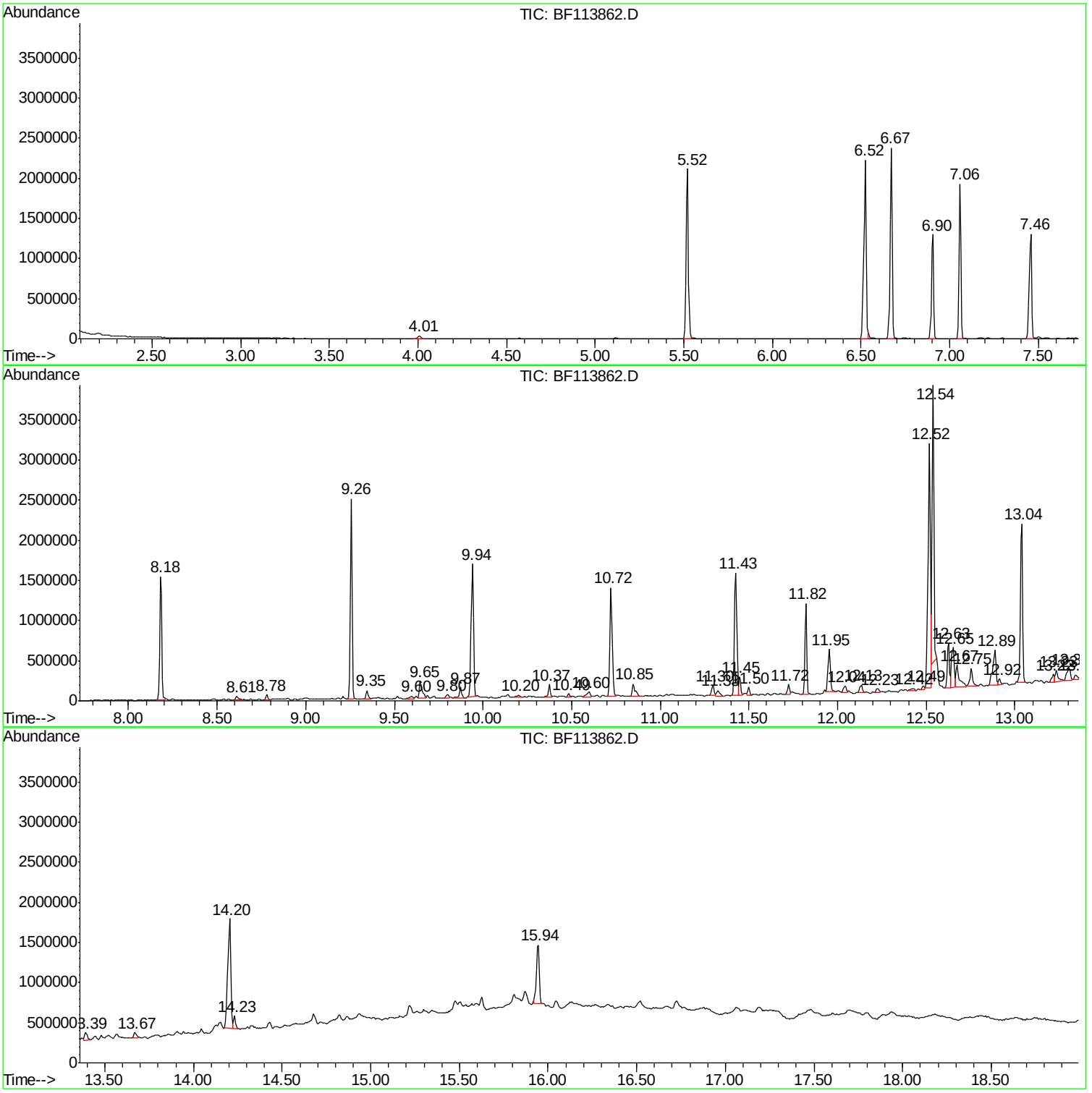
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SA-06-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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\BF041919\
Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

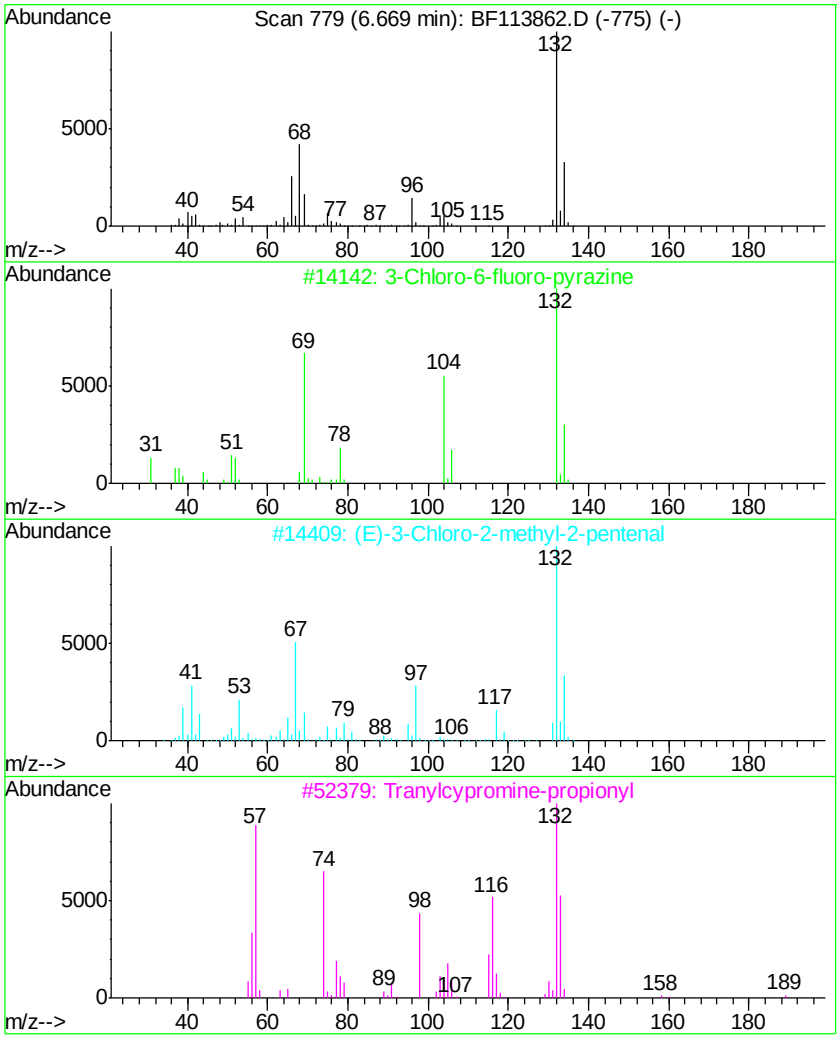
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

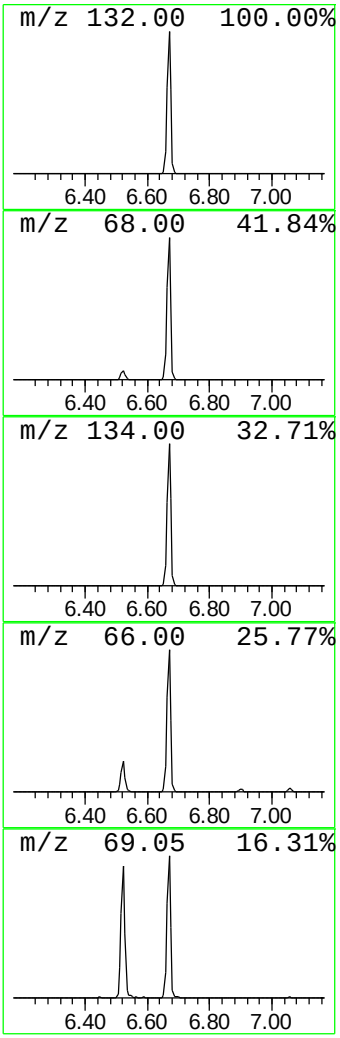
****

Peak Number 1 unknown6.67 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	36.93 ng	2045370	1,4-Dichlorobenzene-d4	6.90

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Xenon	132	Xe	007440-63-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

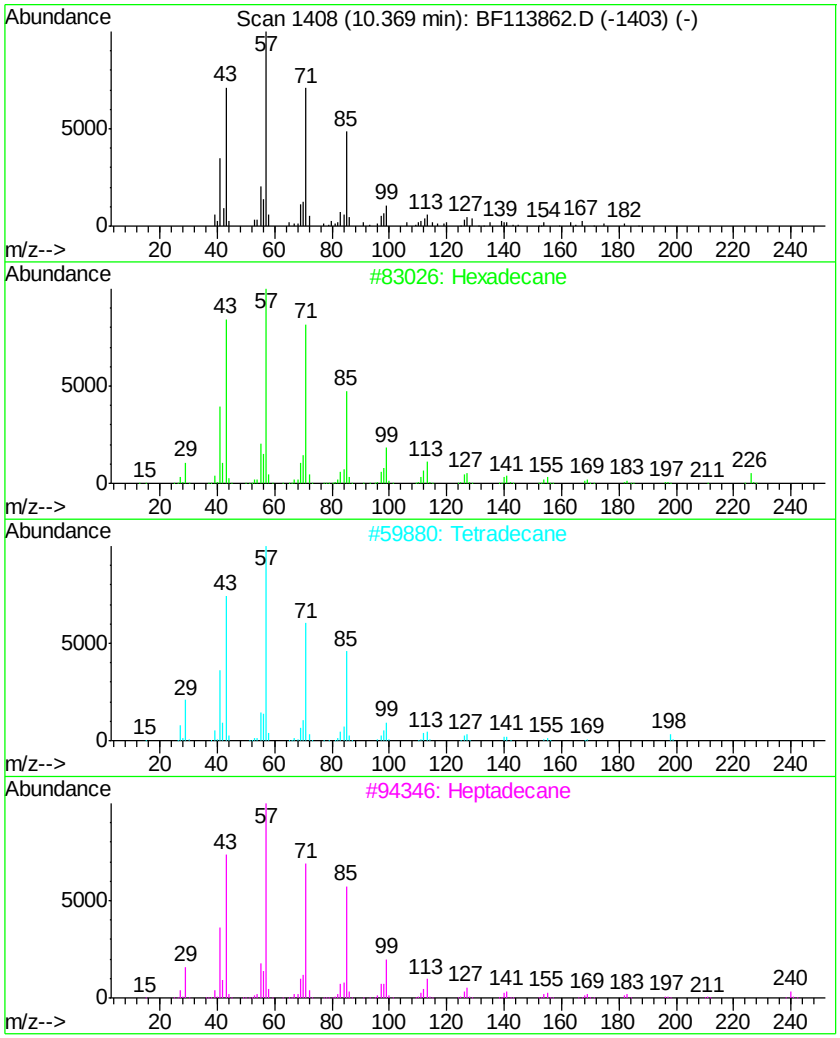
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

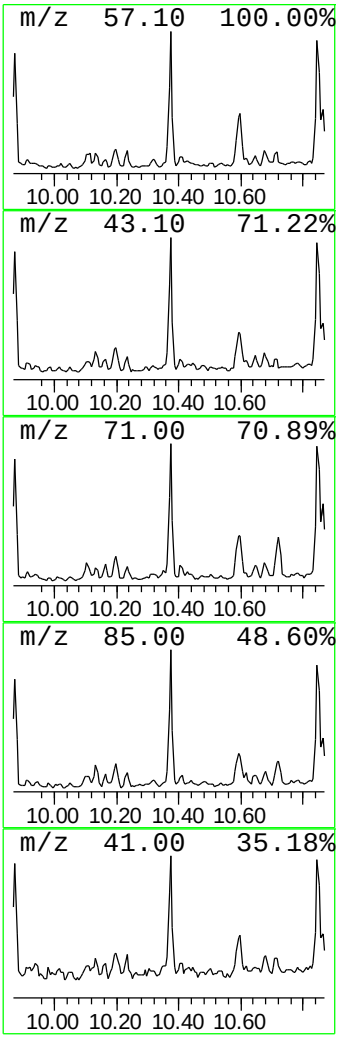
****

Peak Number 3 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	2.06 ng	138439	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Tetradecane	198	C14H30	000629-59-4	91
3	Heptadecane	240	C17H36	000629-78-7	91
4	Eicosane	282	C20H42	000112-95-8	86
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

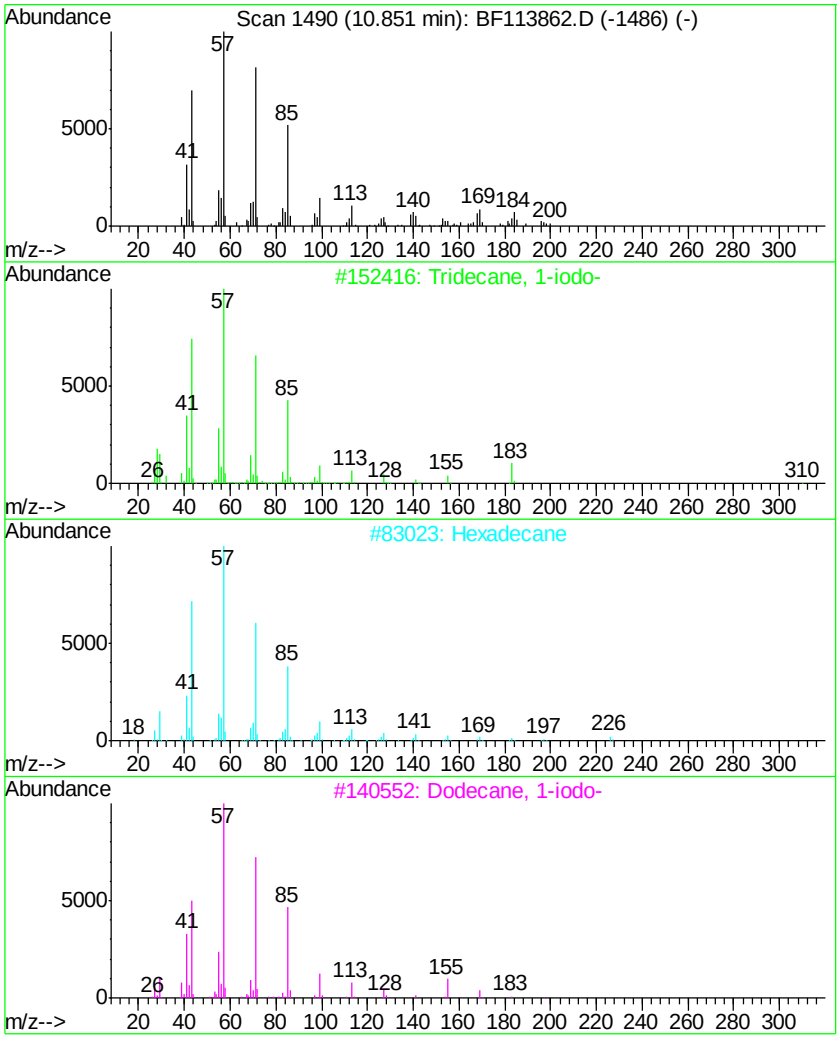
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

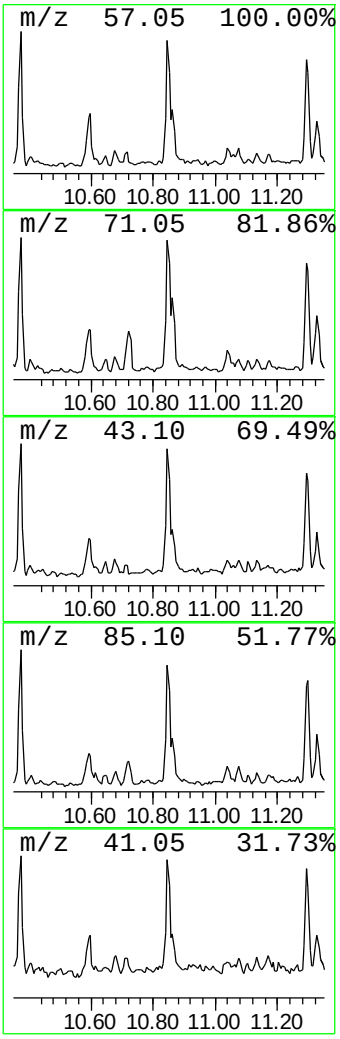
****

Peak Number 4 Tridecane, 1-iodo- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	2.80 ng	189152	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83
2	Hexadecane	226	C16H34	000544-76-3	83
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
4	Heptadecane	240	C17H36	000629-78-7	83
5	Tetradecane	198	C14H30	000629-59-4	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

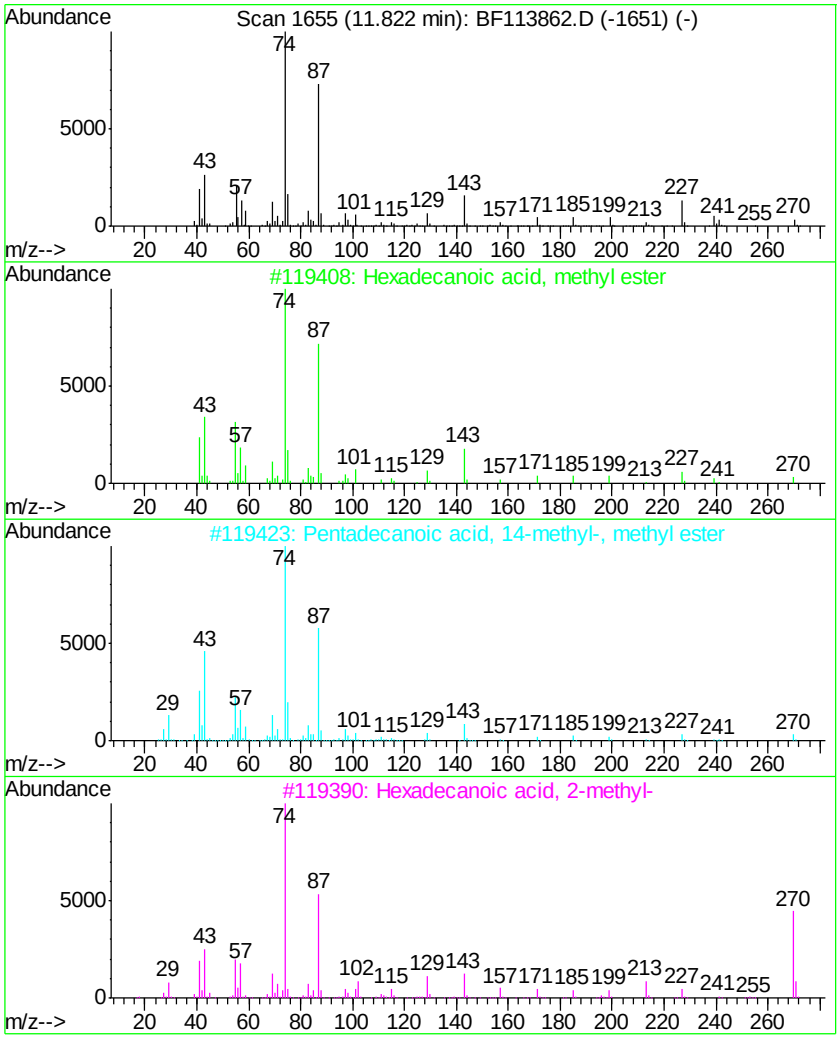
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

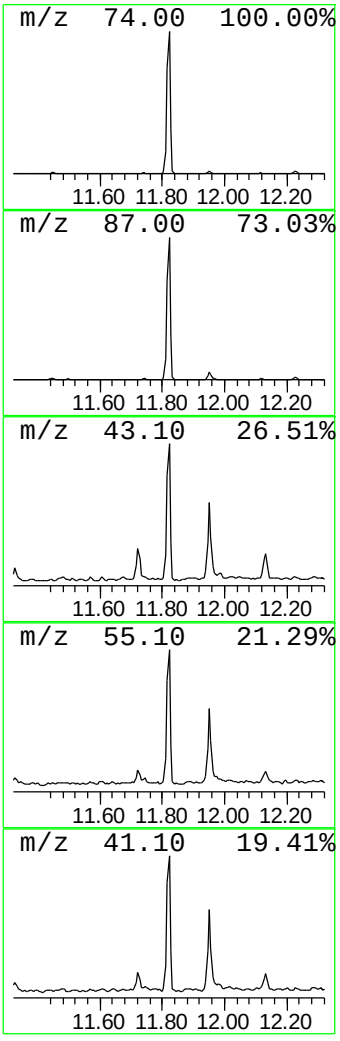
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	13.20 ng	891161	Phenanthrene-d10	11.43

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	96
3	Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	83
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	81
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	80





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Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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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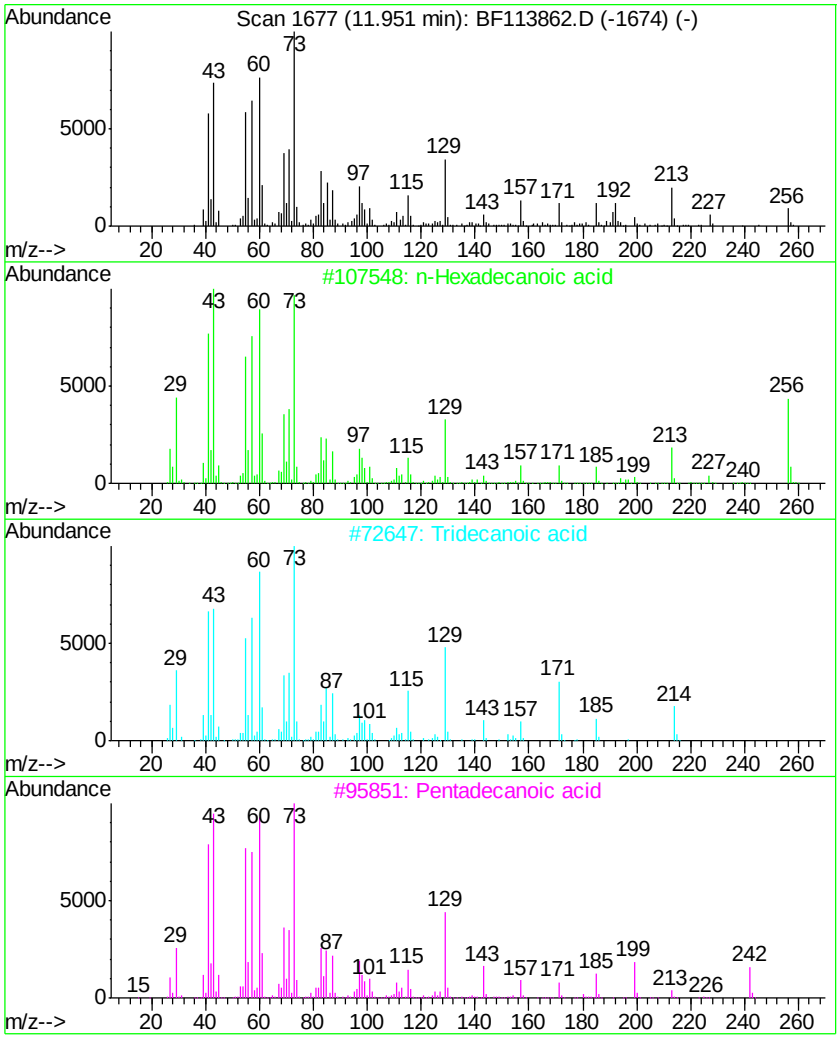
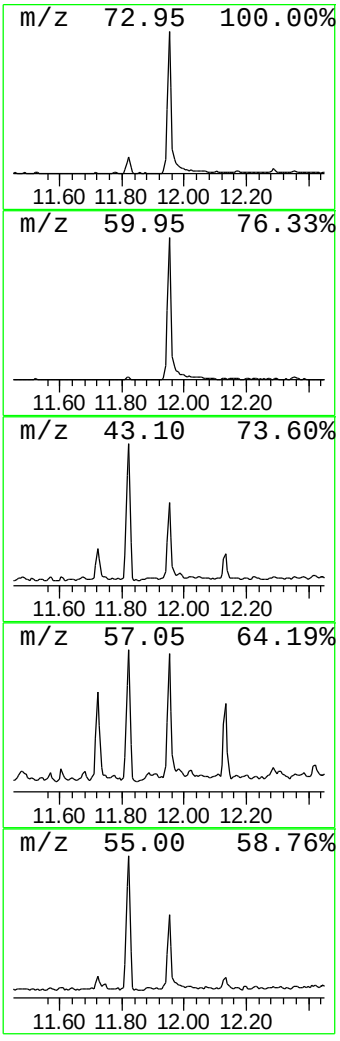
Peak Number 6 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	6.45 ng	435627	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5	Dodecanoic acid	200	C12H24O2	000143-07-7	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113862.D
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Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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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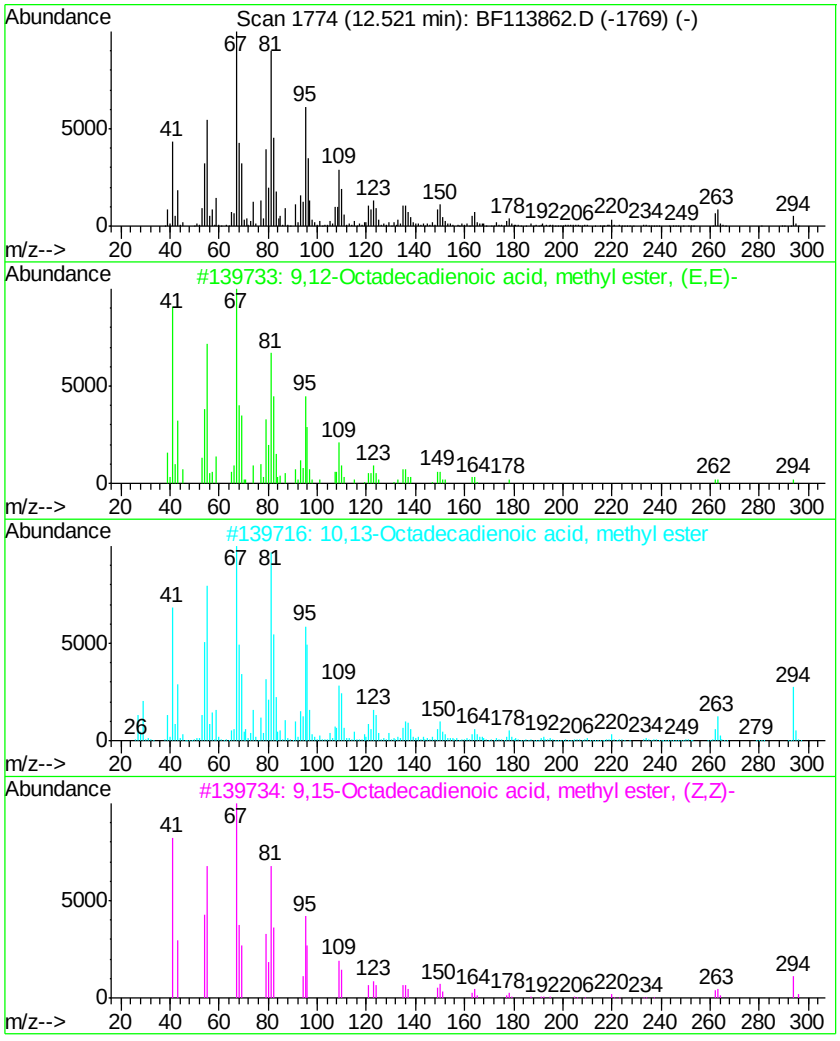
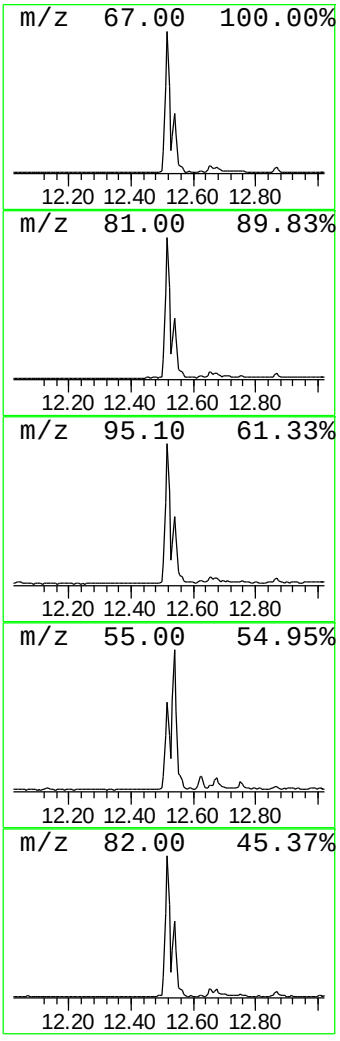
Peak Number 7 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	42.79 ng	2889390	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	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	98





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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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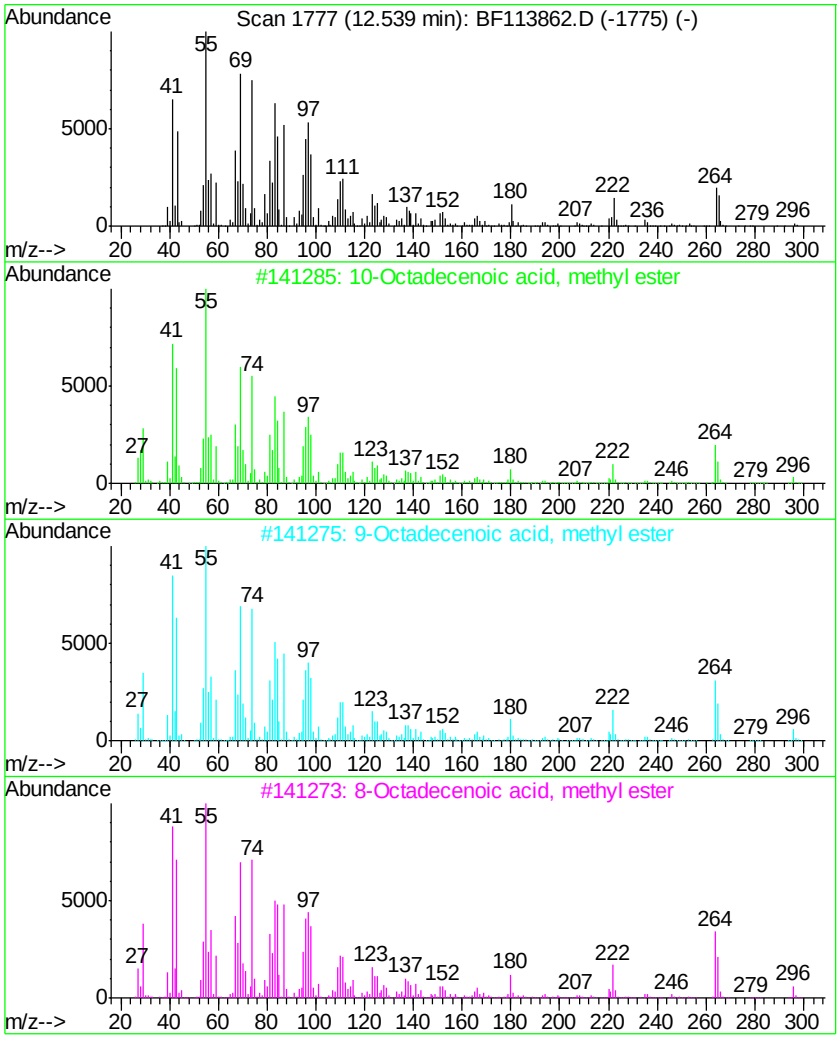
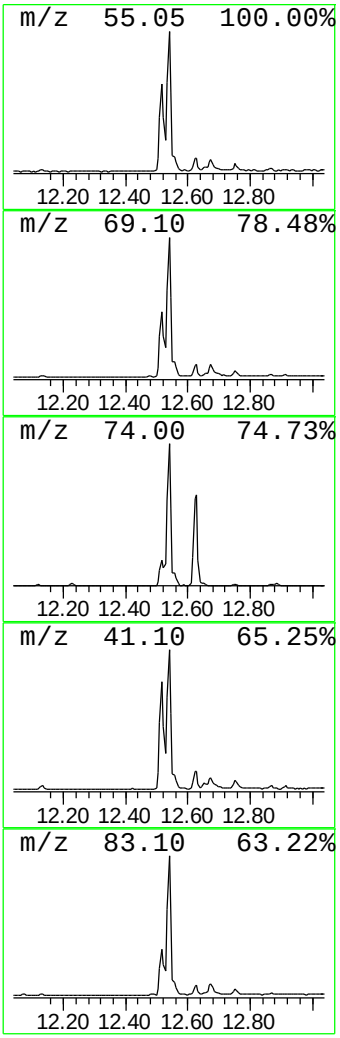
Peak Number 8 10-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	39.66 ng	2678270	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
2	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
3	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	99
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
5	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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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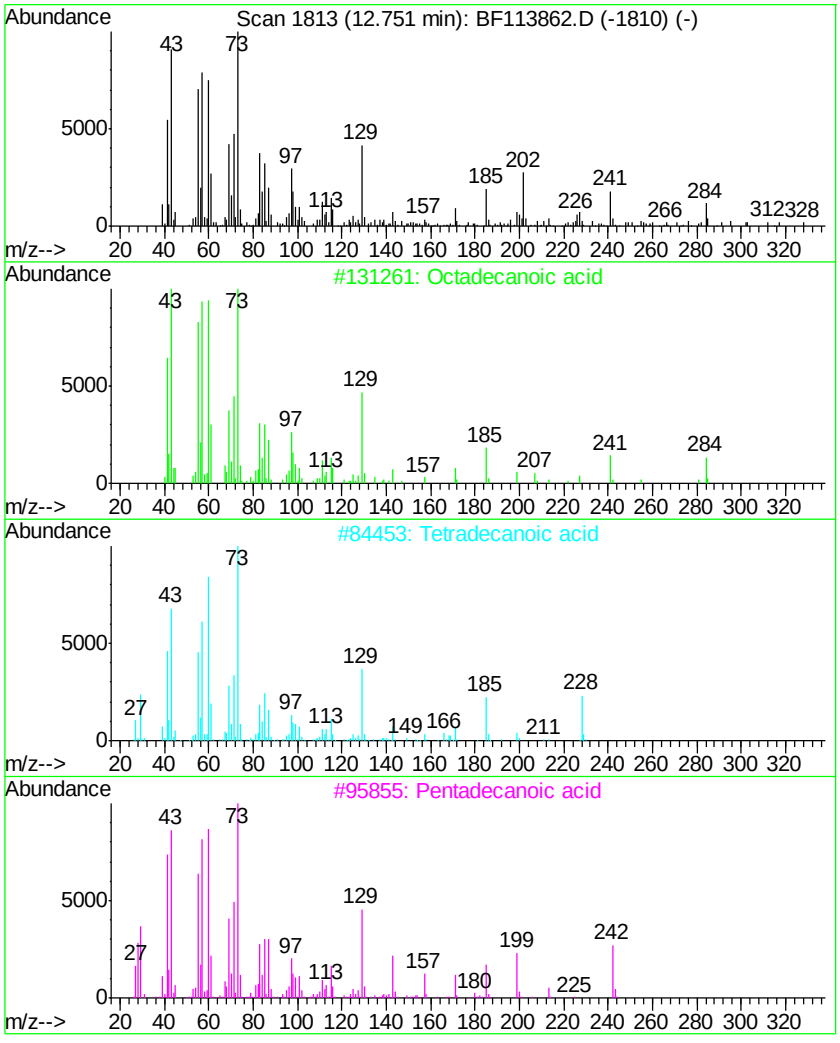
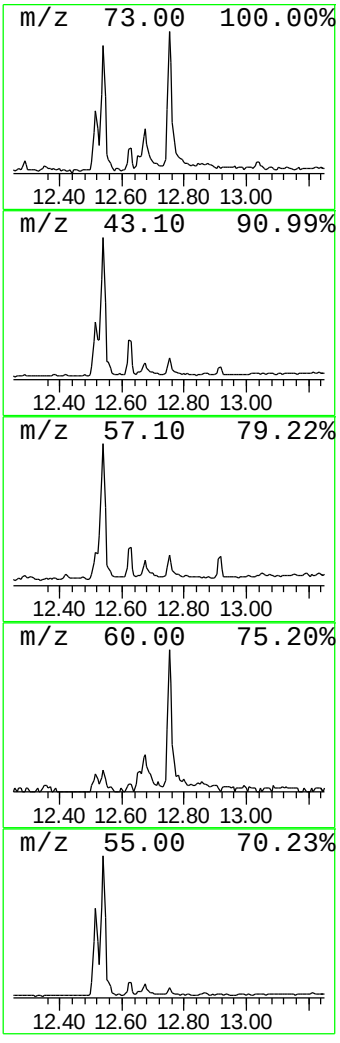
Peak Number 9 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	3.56 ng	240442	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	n-Decanoic acid	172	C10H20O2	000334-48-5	62
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

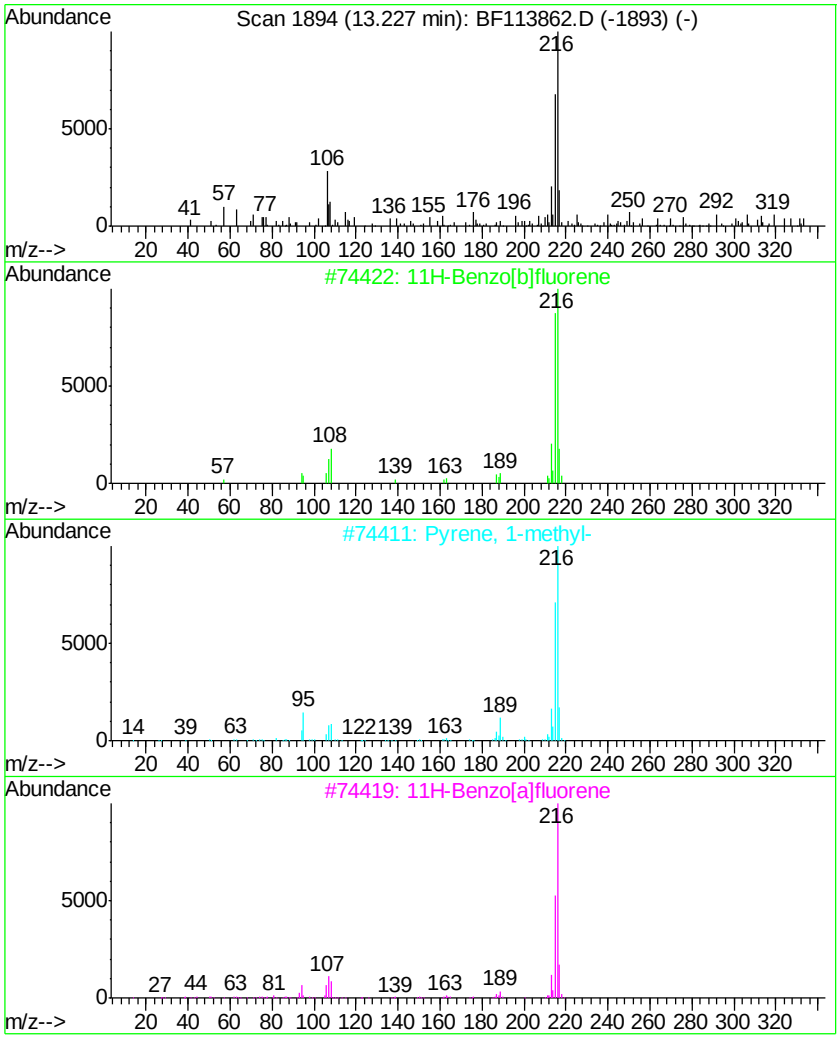
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

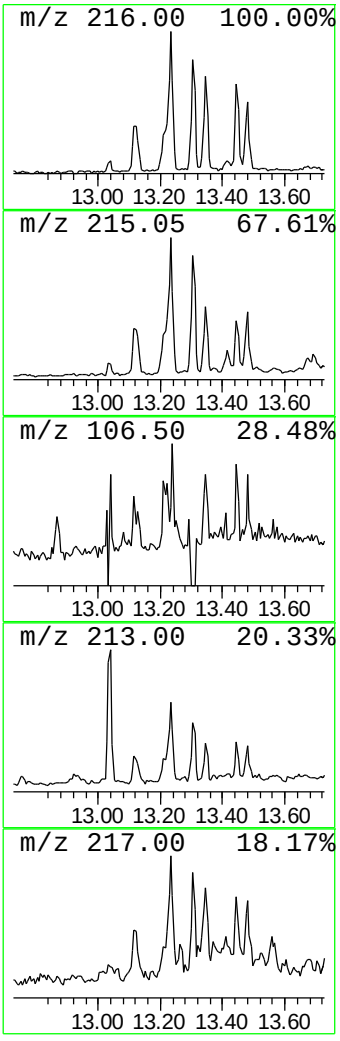
****

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	2.12 ng	164995	Chrysene-d12	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

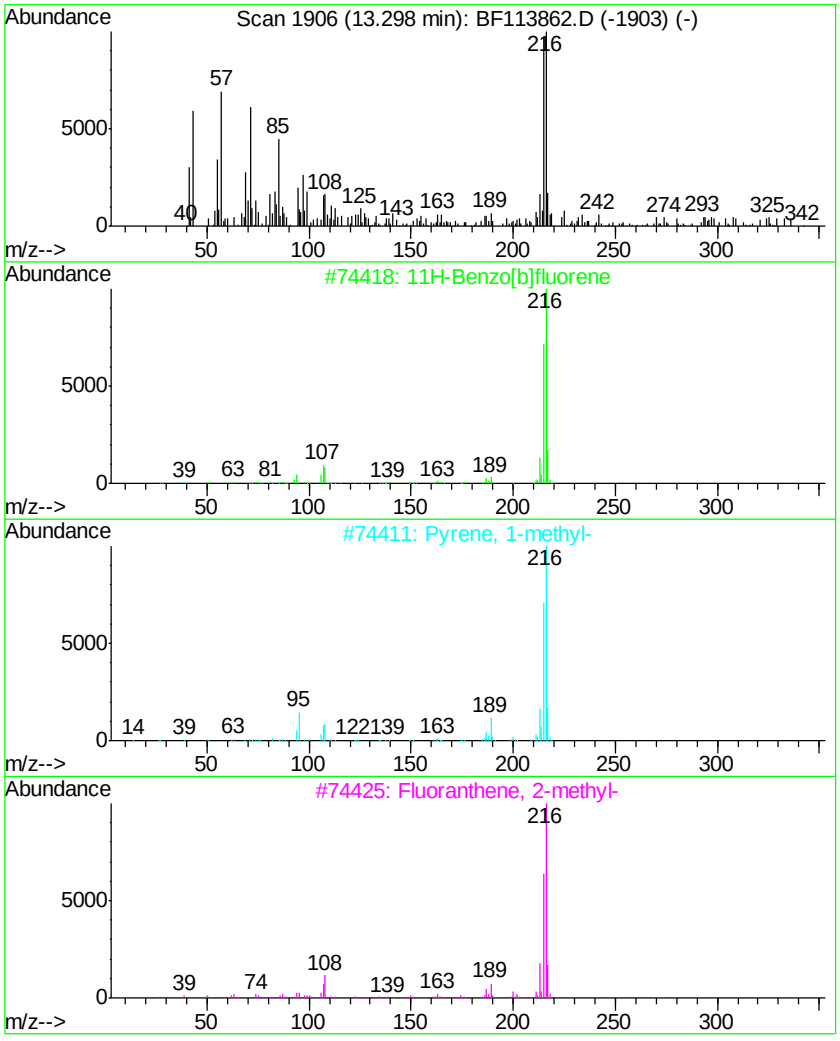
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

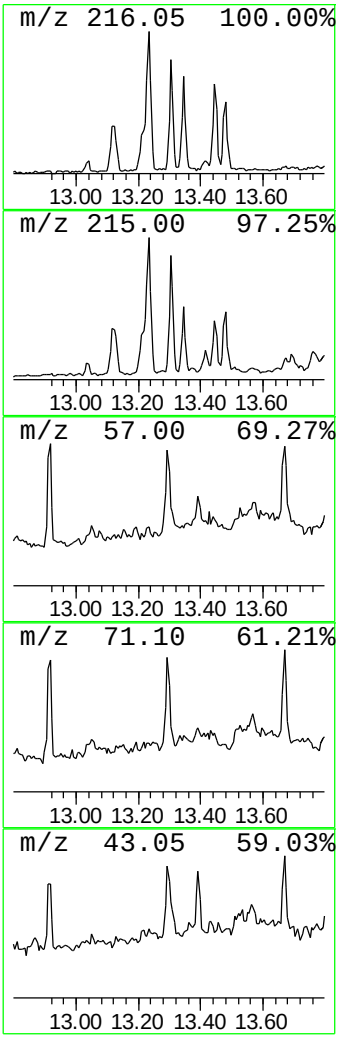
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	2.60 ng	202567	Chrysene-d12	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113862.D
Acq On : 19 Apr 2019 16:55
Operator : JU/SJ
Sample : K2202-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-06-041819-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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
unknown6.67	6.67	36.9	ng	2045370	1	6.90	1107600	20.0
Hexadecane	10.37	2.1	ng	138439	3	9.94	1346150	20.0
Tridecane, 1-iodo-	10.85	2.8	ng	189152	4	11.43	1350650	20.0
Hexadecanoic acid...	11.82	13.2	ng	891161	4	11.43	1350650	20.0
n-Hexadecanoic acid	11.95	6.5	ng	435627	4	11.43	1350650	20.0
9,12-Octadecadien...	12.52	42.8	ng	2889390	4	11.43	1350650	20.0
10-Octadecenoic a...	12.54	39.7	ng	2678270	4	11.43	1350650	20.0
Octadecanoic acid	12.75	3.6	ng	240442	4	11.43	1350650	20.0
11H-Benzo[b]fluorene	13.23	2.1	ng	164995	5	14.20	1559240	20.0
Pyrene, 1-methyl-	13.30	2.6	ng	202567	5	14.20	1559240	20.0