LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-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-BF051019.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	5.440	567	570	593	rBV	1851452	2068334	20.19%	3.522%
2	6.457	739	743	756	rBV	2249356	2259858	22.06%	3.848%
3	6.587	761	765	771	rVV	2439278	2127572	20.77%	3.622%
4	6.810	800	803	811	rBV	1213578	1081521	10.56%	1.841%
5	6.969	826	830	841	rBV	1943632	1695737	16.56%	2.887%
6	7.375	896	899	903	rBV	1485228	1280513	12.50%	2.180%
7	8.092	1015	1021	1027	rBV	1636931	1577817	15.40%	2.686%
8	8.151	1027	1031	1034	rVB3	78849	124894	1.22%	0.213%
9	8.381	1066	1070	1075	rBV6	77659	109596	1.07%	0.187%
10	8.598	1103	1107	1110	rBV2	143500	134520	1.31%	0.229%
11	8.686	1118	1122	1125	rBV	224064	211087	2.06%	0.359%
12	8.916	1157	1161	1163	rBV3	115003	111034	1.08%	0.189%
13	9.169	1200	1204	1207	rBV	2838523	2304596	22.50%	3.924%
14	9.245	1214	1217	1220	rBV	305623	280659	2.74%	0.478%
15	9.563	1268	1271	1274	rBV2	256549	285604	2.79%	0.486%
16	9.775	1305	1307	1312	rVB	352232	282839	2.76%	0.482%
17	9.851	1316	1320	1323	rVV	1695161	1507500	14.72%	2.567%
18	9.880	1323	1325	1329	rVB	152345	131845	1.29%	0.224%
19	10.098	1359	1362	1366	rBV3	110070	129238	1.26%	0.220%
20	10.275	1389	1392	1395	rVB	413121	309985	3.03%	0.528%
21	10.398	1410	1413	1418	rVB	141492	143337	1.40%	0.244%
22	10.492	1425	1429	1435	rVB	140175	214844	2.10%	0.366%
23	10.639	1451	1454	1465	rVB	1486075	1376752	13.44%	2.344%
24	10.745	1469	1472	1480	rVB	391946	512264	5.00%	0.872%
25	11.198	1545	1549	1551	rBV	332422	301362	2.94%	0.513%
26	11.227	1551	1554	1560	rVB2	205637	262756	2.57%	0.447%
27	11.339	1569	1573	1575	rBV	1524808	1509195	14.73%	2.570%
28	11.363	1575	1577	1581	rVV	692260	607472	5.93%	1.034%
29	11.416	1583	1586	1589	rVB	221150	207027	2.02%	0.352%
30	11.575	1610	1613	1618	rBV	105105	119864	1.17%	0.204%
31	11.622	1618	1621	1623	rVV	314341	257409	2.51%	0.438%
32	11.645	1623	1625	1627	rVB	162380	112323	1.10%	0.191%
33	11.722	1634	1638	1642	rBV	4315430	3748885	36.60%	6.383%
34	11.839	1655	1658	1660	rBV	114018	114317	1.12%	0.195%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.863	1660	1662	1668	rVB2	227063	266608	2.60%	0.454%
36	11.951	1674	1677	1680	rBV	267231	256521	2.50%	0.437%
37	12.027	1687	1690	1695	rVB	260875	262468	2.56%	0.447%
38	12.127	1704	1707	1710	rBV2	122193	122284	1.19%	0.208%
39	12.416	1748	1756	1758	rBV	7654201	10242826	100.00%	17.440%
40	12.439	1758	1760	1765	rVV2	9181394	8543935	83.41%	14.547%
41	12.480	1765	1767	1770	rVB3	200036	158385	1.55%	0.270%
42	12.516	1770	1773	1776	rVB	1843760	1551278	15.15%	2.641%
43	12.551	1776	1779	1785	rBV	1313638	1403521	13.70%	2.390%
44	12.751	1809	1813	1814	rBV2	248160	263521	2.57%	0.449%
45	12.780	1815	1818	1825	rVB	1141374	1314112	12.83%	2.237%
46	12.916	1837	1841	1844	rBV	2076921	1954788	19.08%	3.328%
47	13.004	1852	1856	1860	rBV2	112180	242464	2.37%	0.413%
48	13.069	1865	1867	1869	rBV	215944	203737	1.99%	0.347%
49	13.145	1877	1880	1881	rBV	206214	202539	1.98%	0.345%
50	13.233	1893	1895	1899	rVB	231978	228440	2.23%	0.389%
51	13.339	1911	1913	1915	rBV	112043	103732	1.01%	0.177%
52	13.486	1935	1938	1941	rBV	149430	117242	1.14%	0.200%
53	13.816	1991	1994	1996	rBV	156703	142958	1.40%	0.243%
54	13.904	2007	2009	2014	rBV2	194160	181498	1.77%	0.309%
55	13.980	2018	2022	2025	rVV2	1348114	1740117	16.99%	2.963%
56	14.010	2025	2027	2030	rVB	444103	370095	3.61%	0.630%
57	15.027	2197	2200	2203	rBV	366488	451293	4.41%	0.768%
58	15.451	2268	2272	2276	rVB	675357	905890	8.84%	1.542%

Sum of corrected areas: 58732808

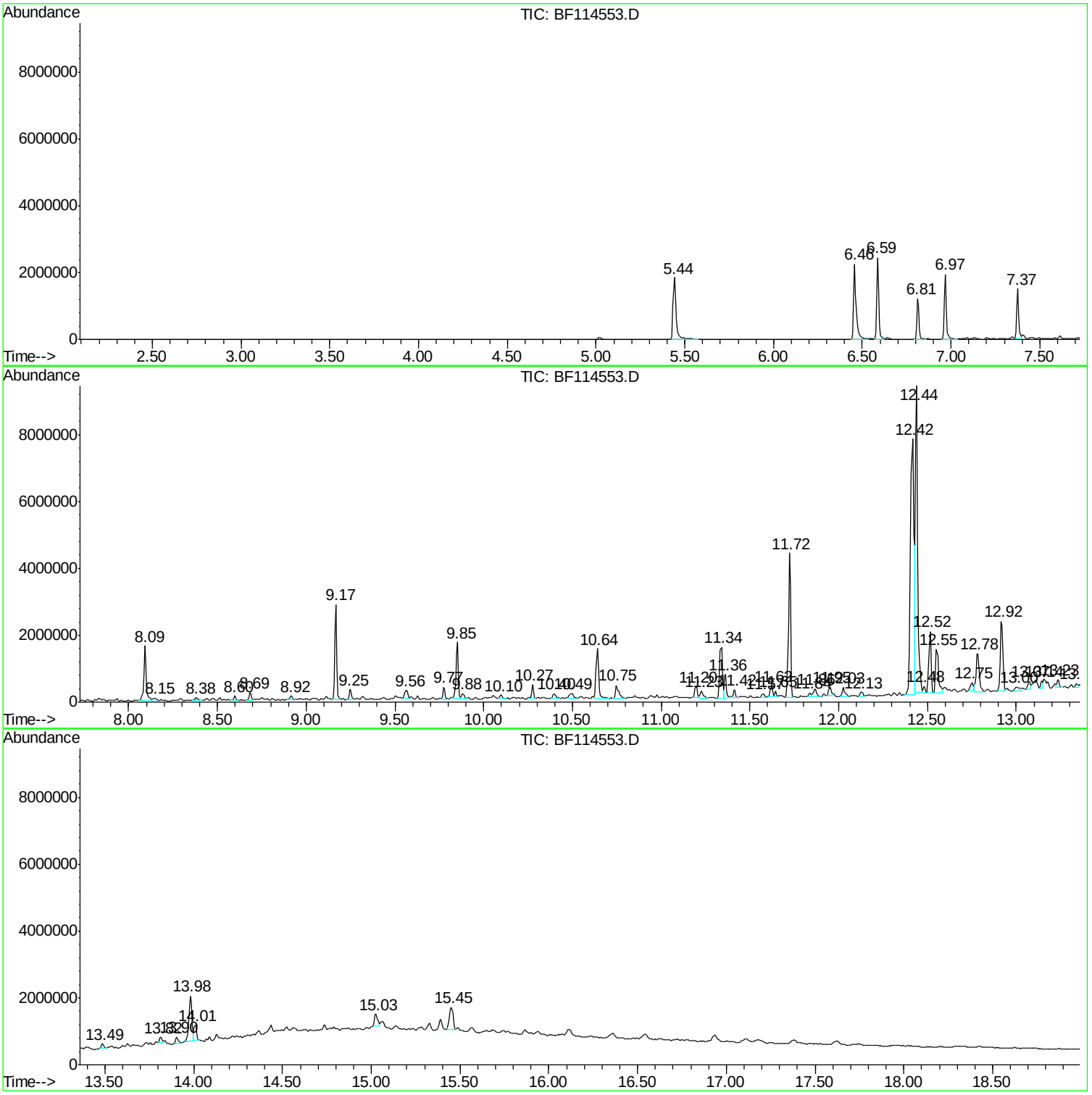
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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\BF052319\
Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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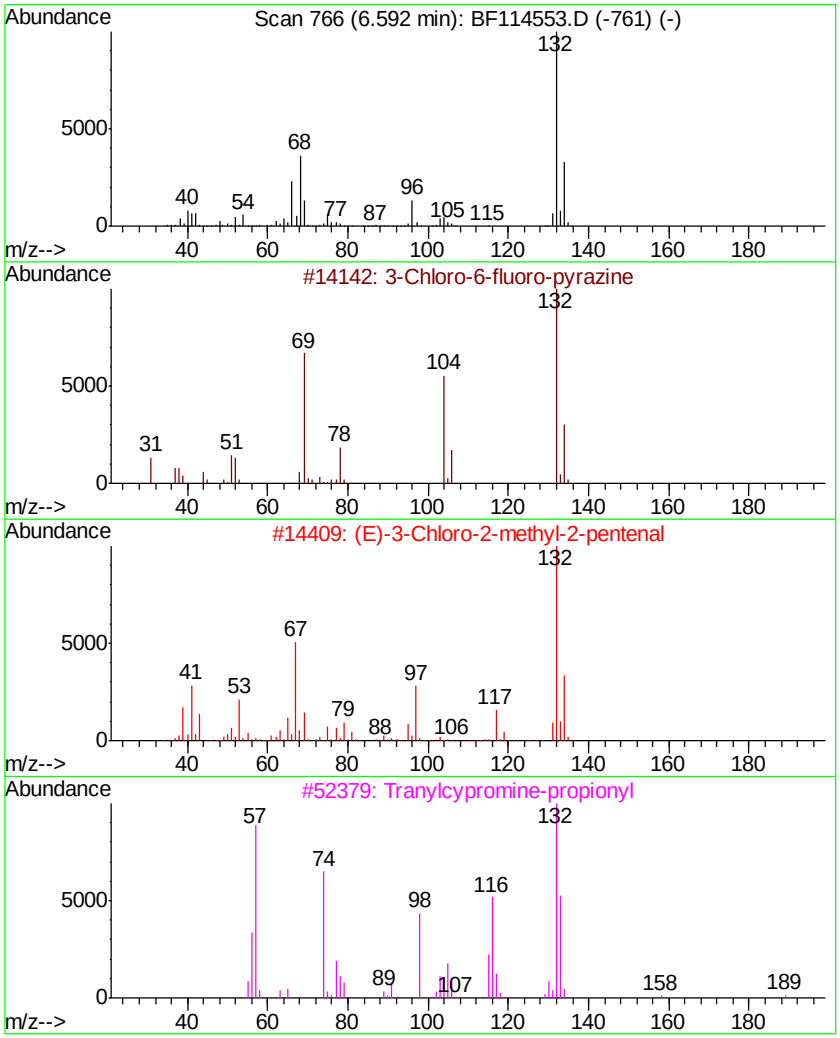
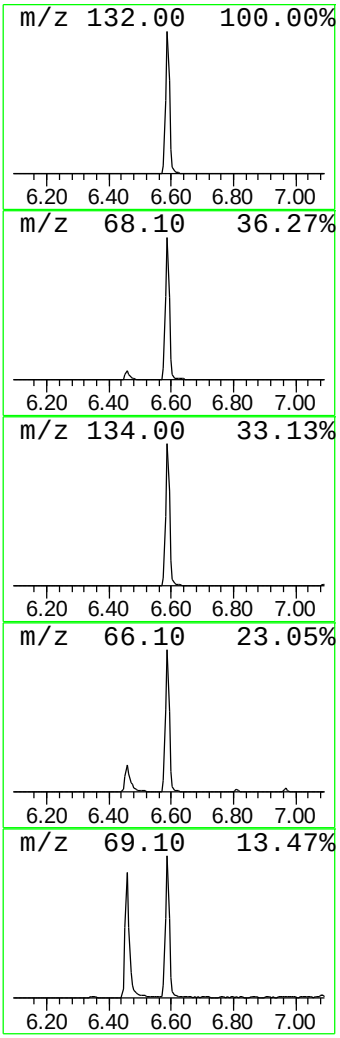
Peak Number 1 unknown6.59 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	39.34 ng	2127570	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	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	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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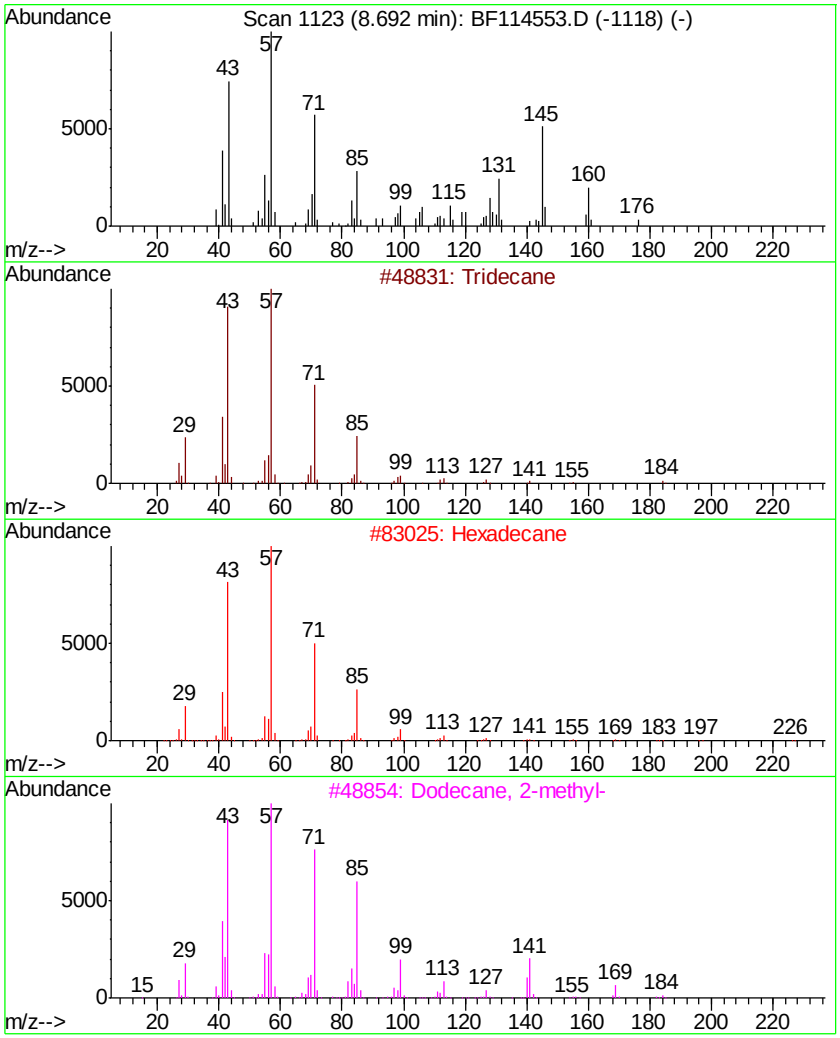
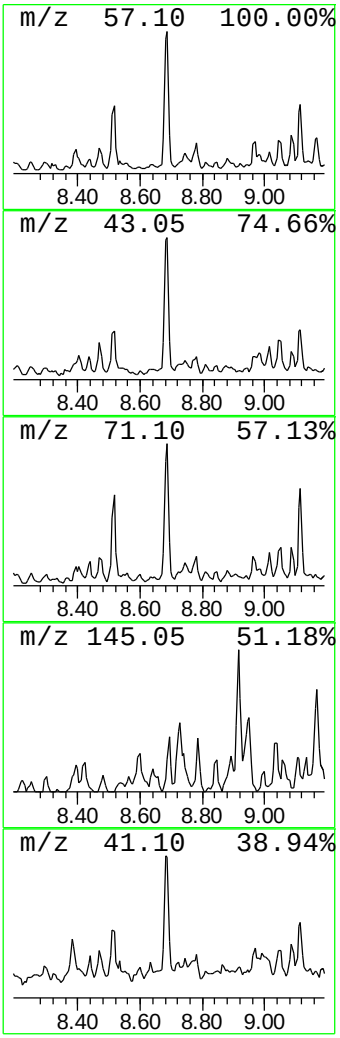
Peak Number 3 Tridecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	2.68 ng	211087	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Hexadecane	226	C16H34	000544-76-3	64
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	64
4	Pentadecane	212	C15H32	000629-62-9	53
5	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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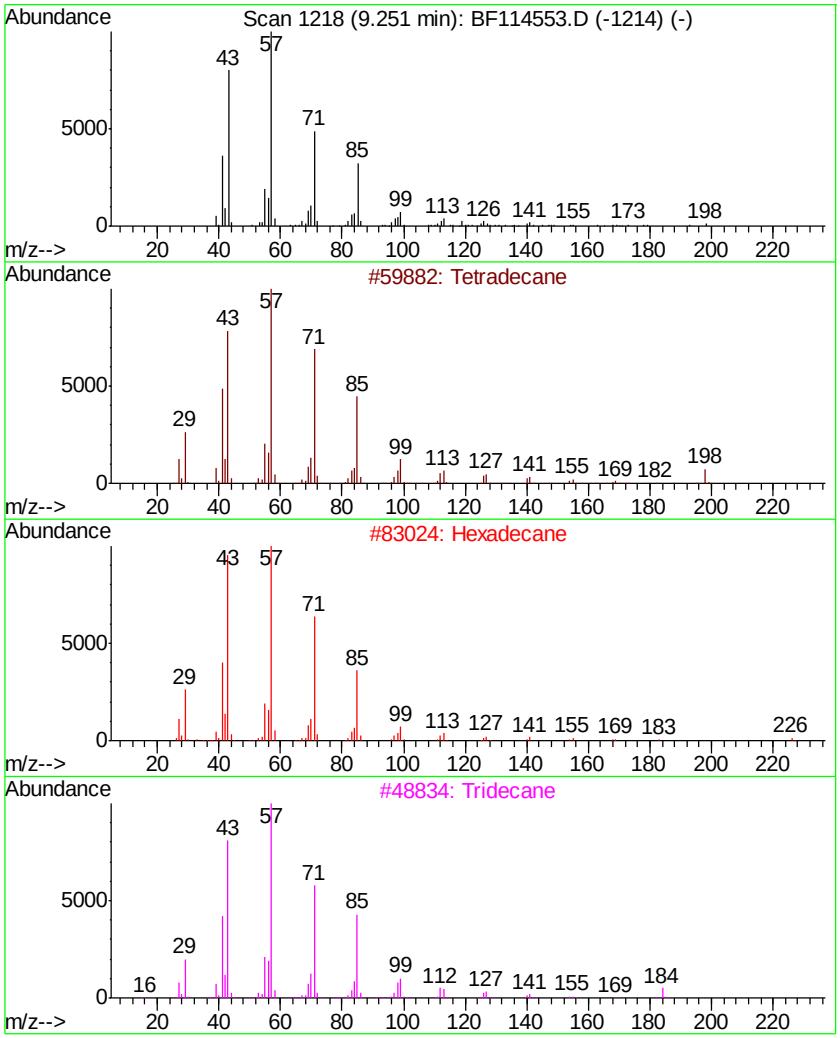
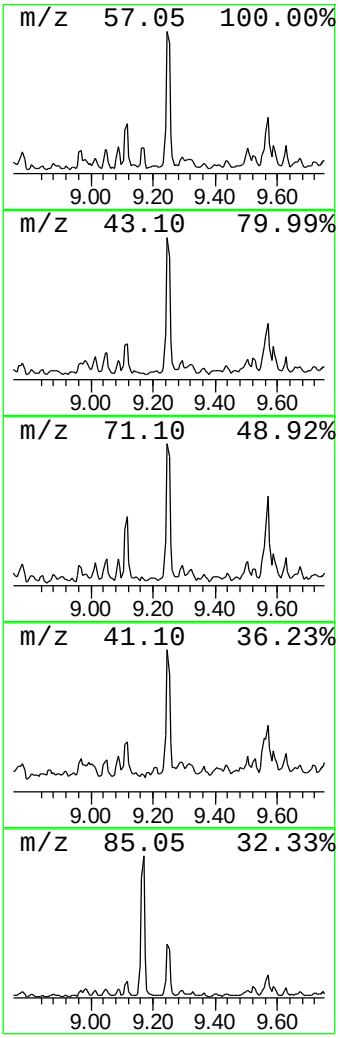
Peak Number 4 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	3.72 ng	280659	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tridecane	184	C13H28	000629-50-5	90
4	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	90
5	Pentadecane	212	C15H32	000629-62-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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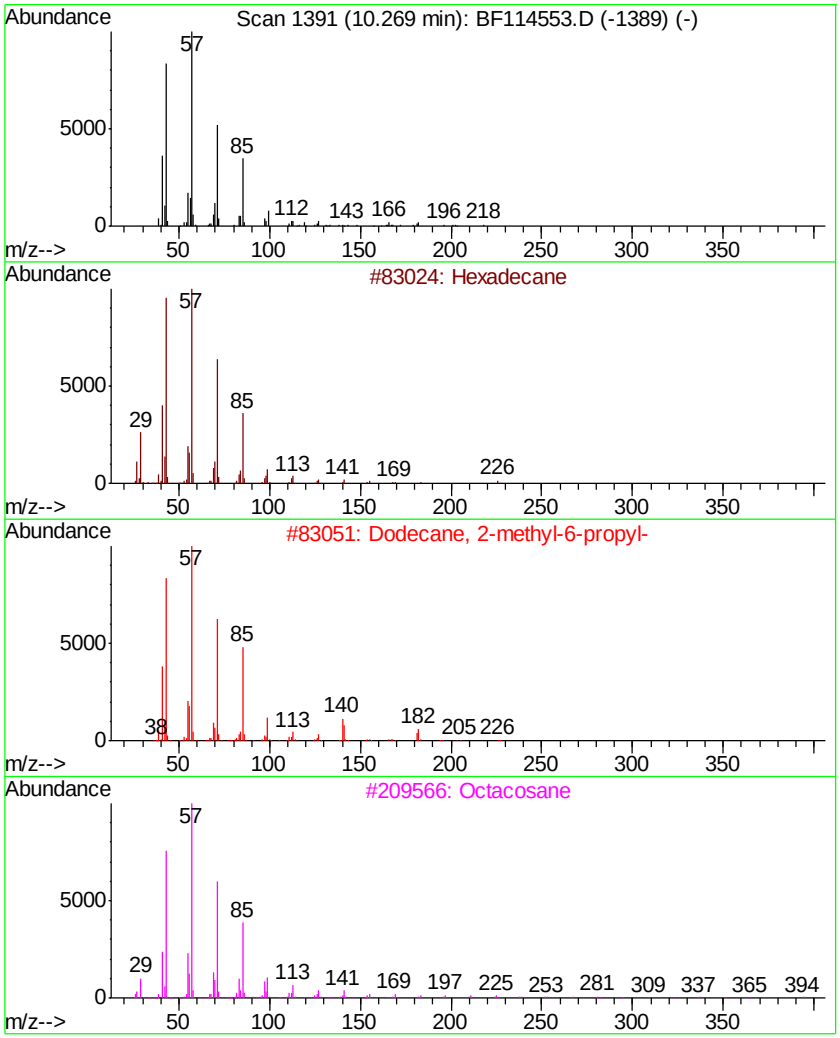
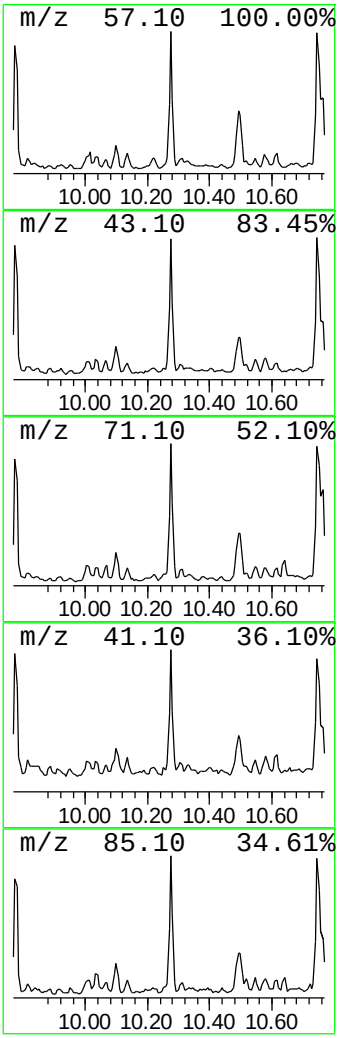
Peak Number 6 Dodecane, 2-methyl-6-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	4.11 ng	309985	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
3	Octacosane	394	C28H58	000630-02-4	86
4	Eicosane	282	C20H42	000112-95-8	86
5	Tridecane	184	C13H28	000629-50-5	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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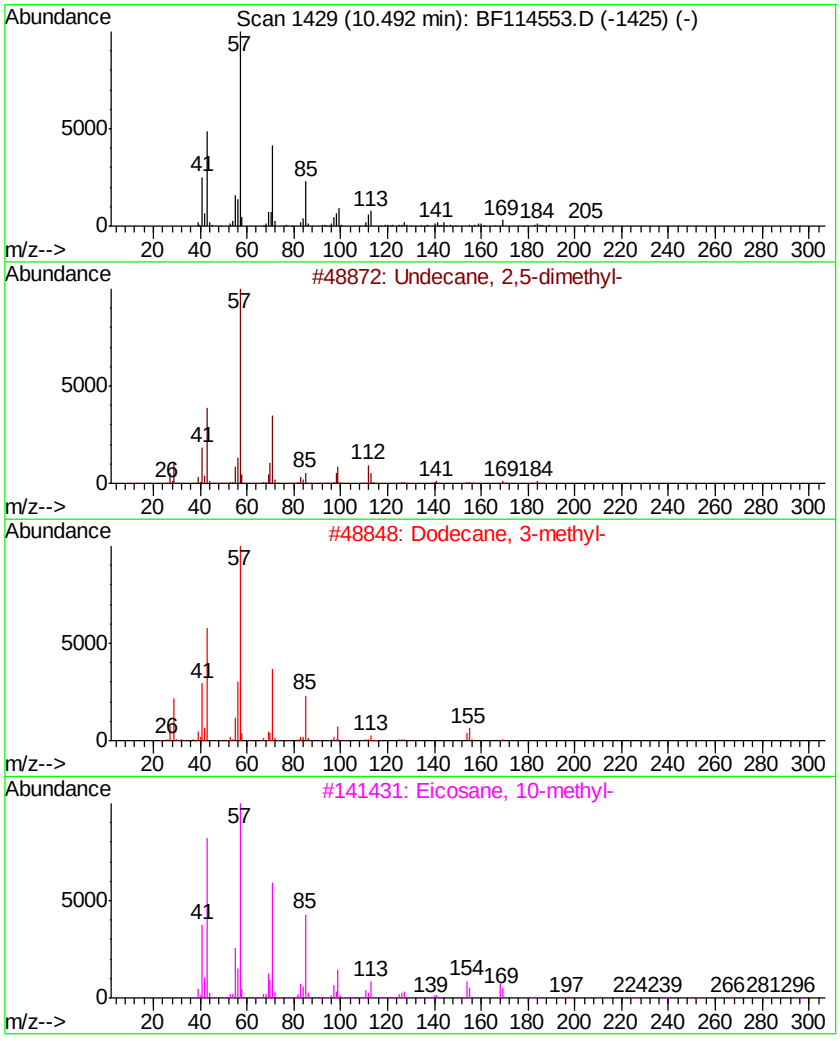
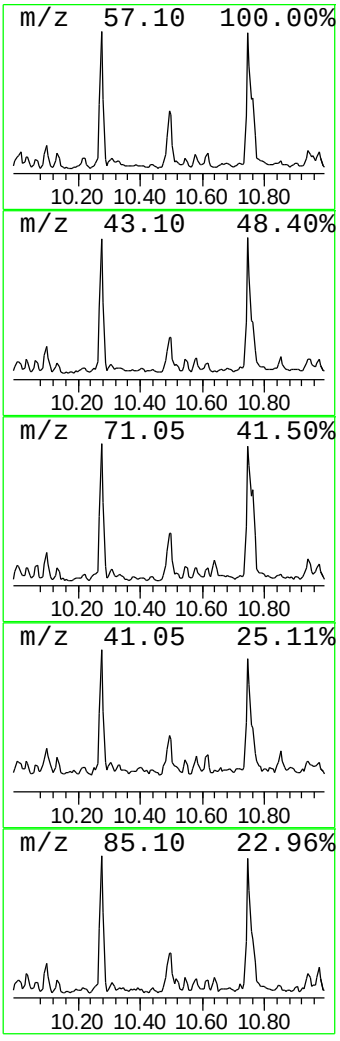
Peak Number 7 Undecane, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	2.85 ng	214844	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	76
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	72
4	Heneicosane	296	C21H44	000629-94-7	72
5	Tridecane	184	C13H28	000629-50-5	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
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Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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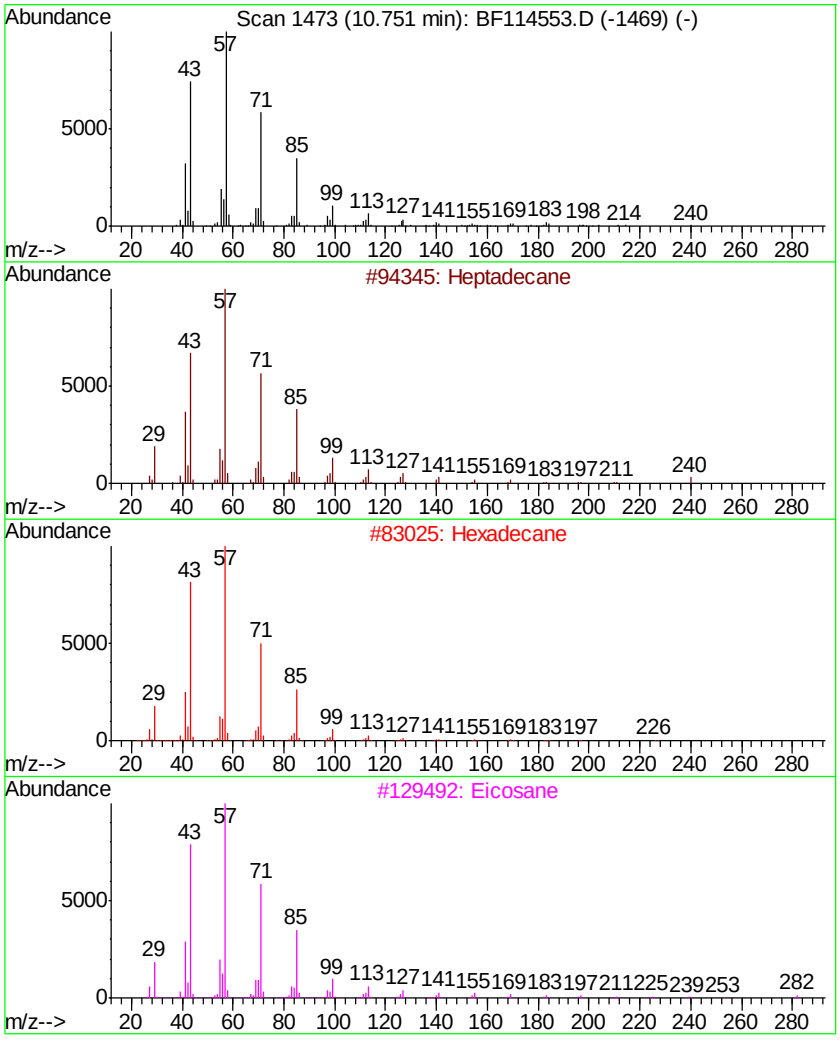
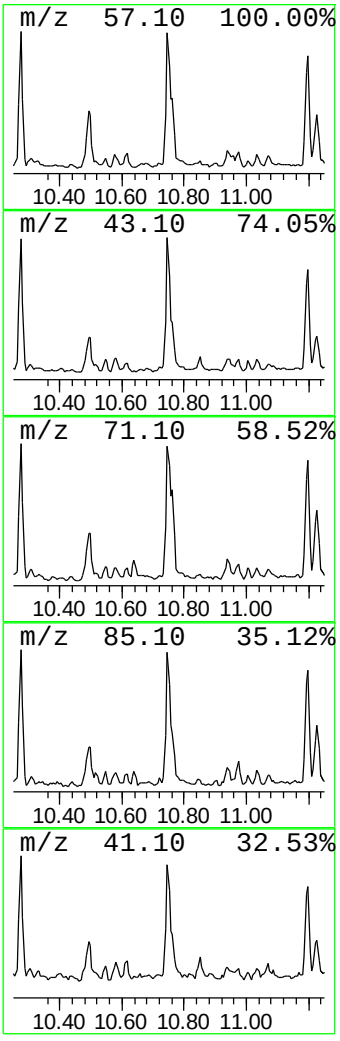
Peak Number 8 Heptadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	6.79 ng	512264	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Hexadecane	226	C16H34	000544-76-3	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	90
5	Tridecane	184	C13H28	000629-50-5	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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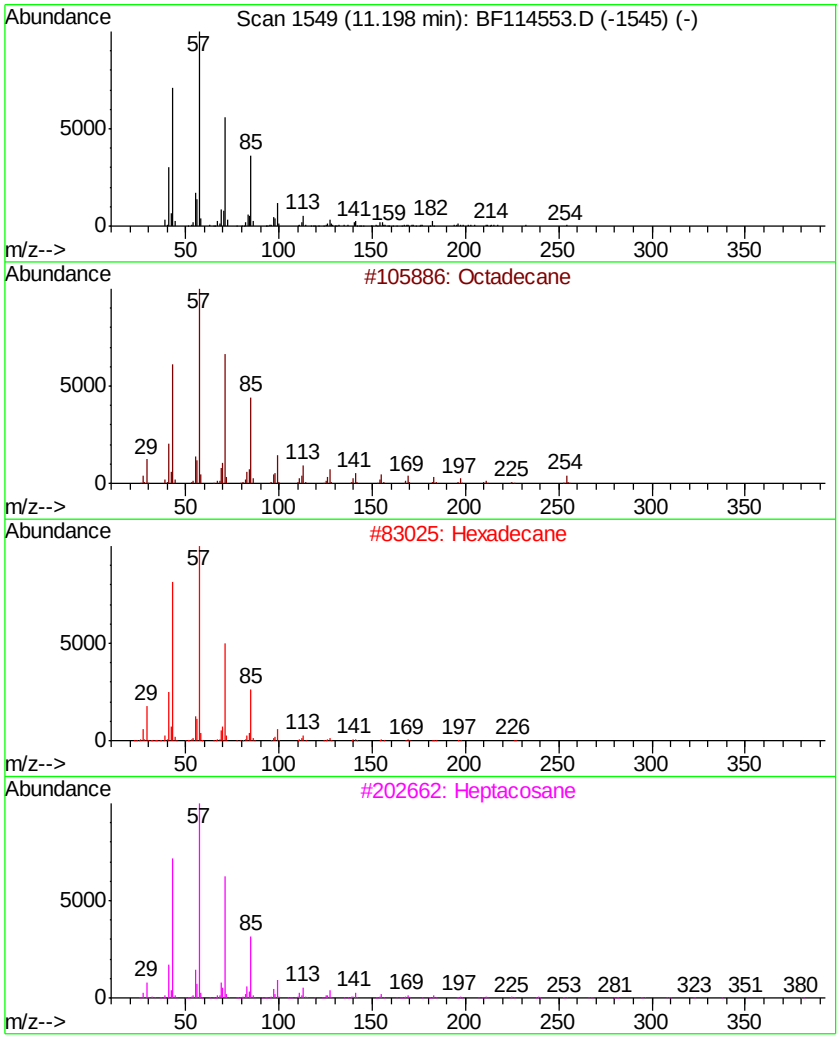
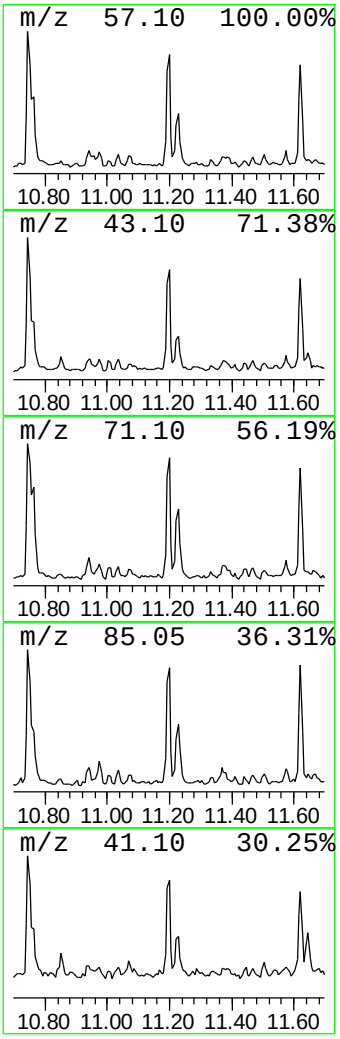
Peak Number 9 Octadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	3.99 ng	301362	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	94
2	Hexadecane	226	C16H34	000544-76-3	90
3	Heptacosane	380	C27H56	000593-49-7	87
4	Eicosane	282	C20H42	000112-95-8	87
5	Pentadecane	212	C15H32	000629-62-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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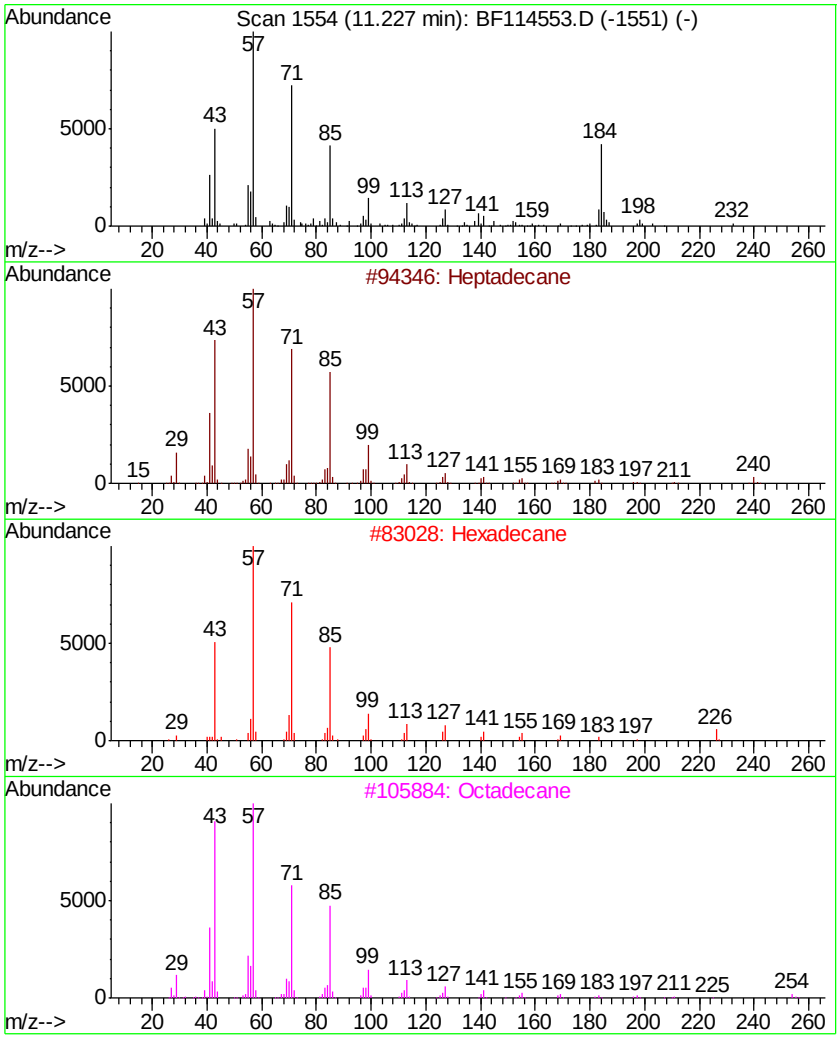
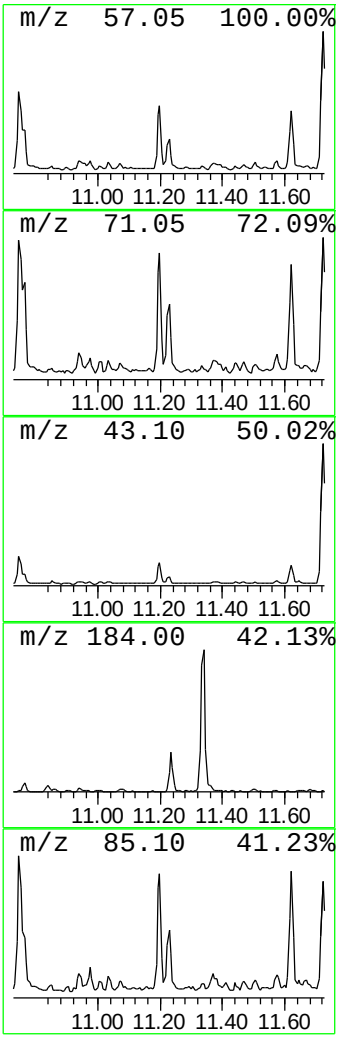
Peak Number 10 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	3.48 ng	262756	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	62
2	Hexadecane	226	C16H34	000544-76-3	58
3	Octadecane	254	C18H38	000593-45-3	58
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	58
5	Eicosane	282	C20H42	000112-95-8	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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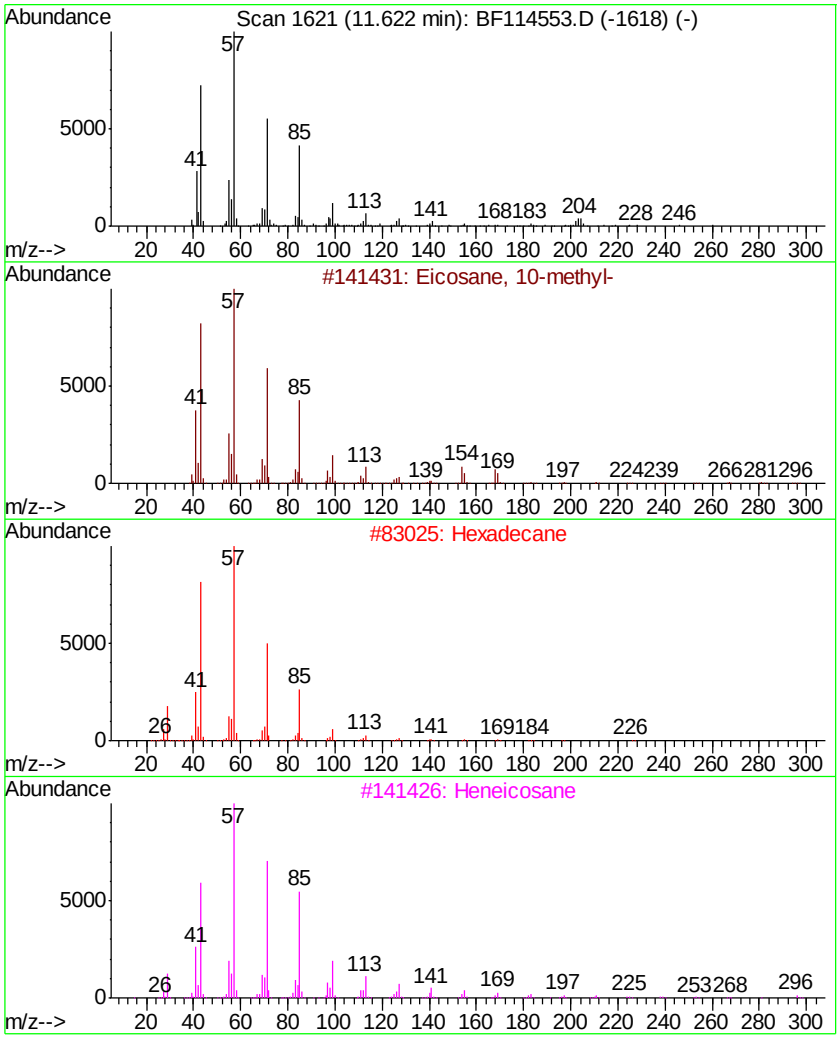
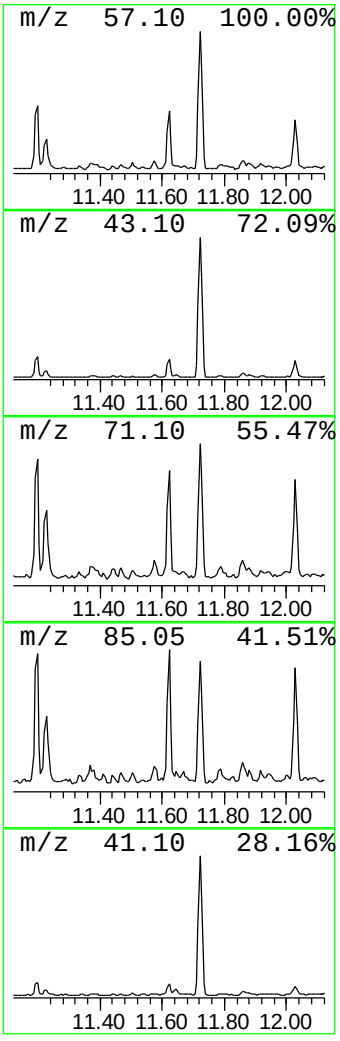
Peak Number 11 Eicosane, 10-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	3.41 ng	257409	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
2	Hexadecane	226	C16H34	000544-76-3	86
3	Heneicosane	296	C21H44	000629-94-7	86
4	Tetradecane	198	C14H30	000629-59-4	76
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	72





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Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

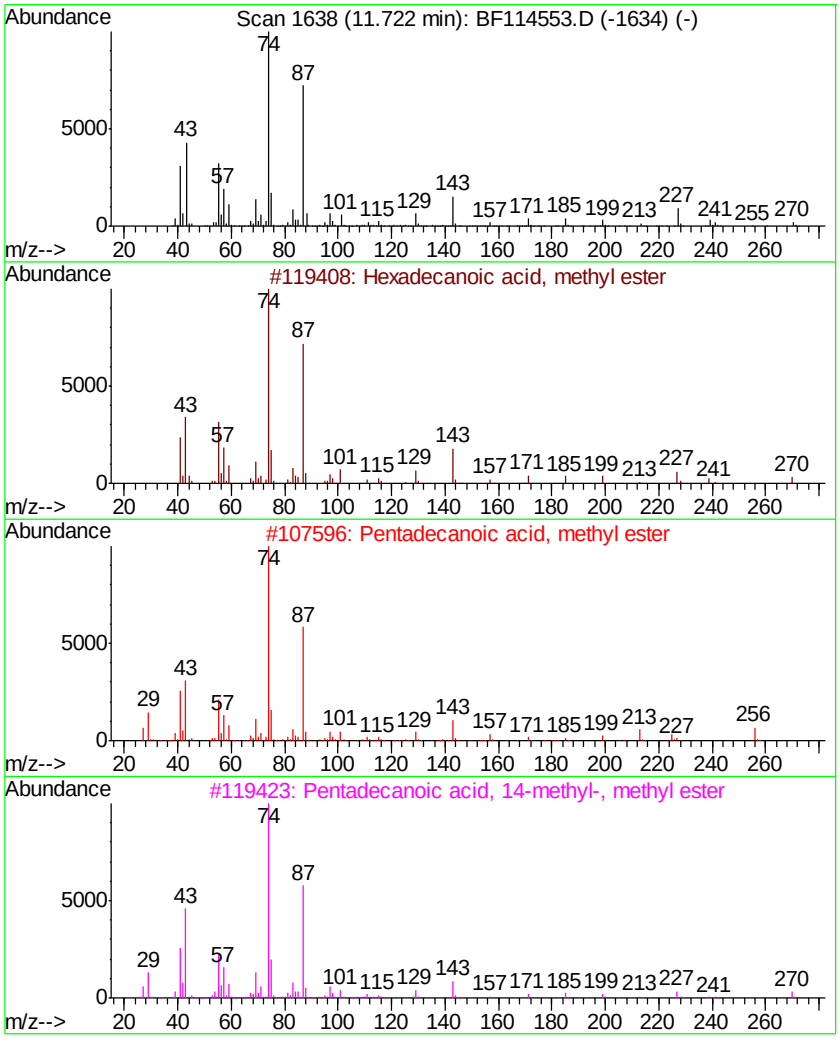
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

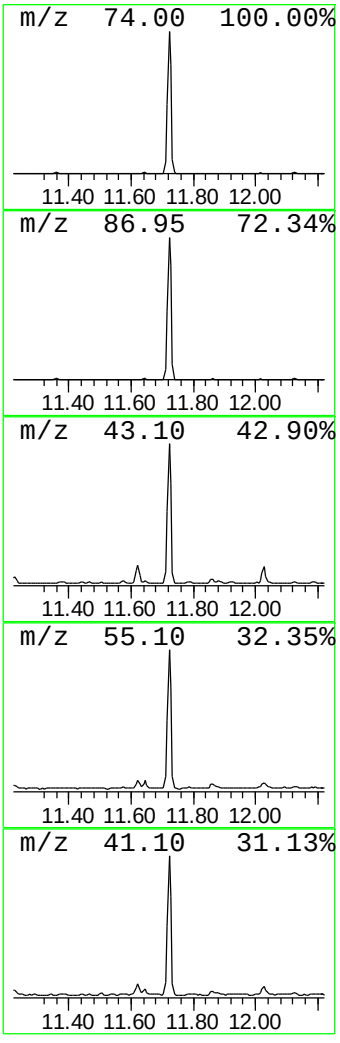
****

Peak Number 12 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	49.68 ng	3748890	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	87
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	86
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	86





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Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

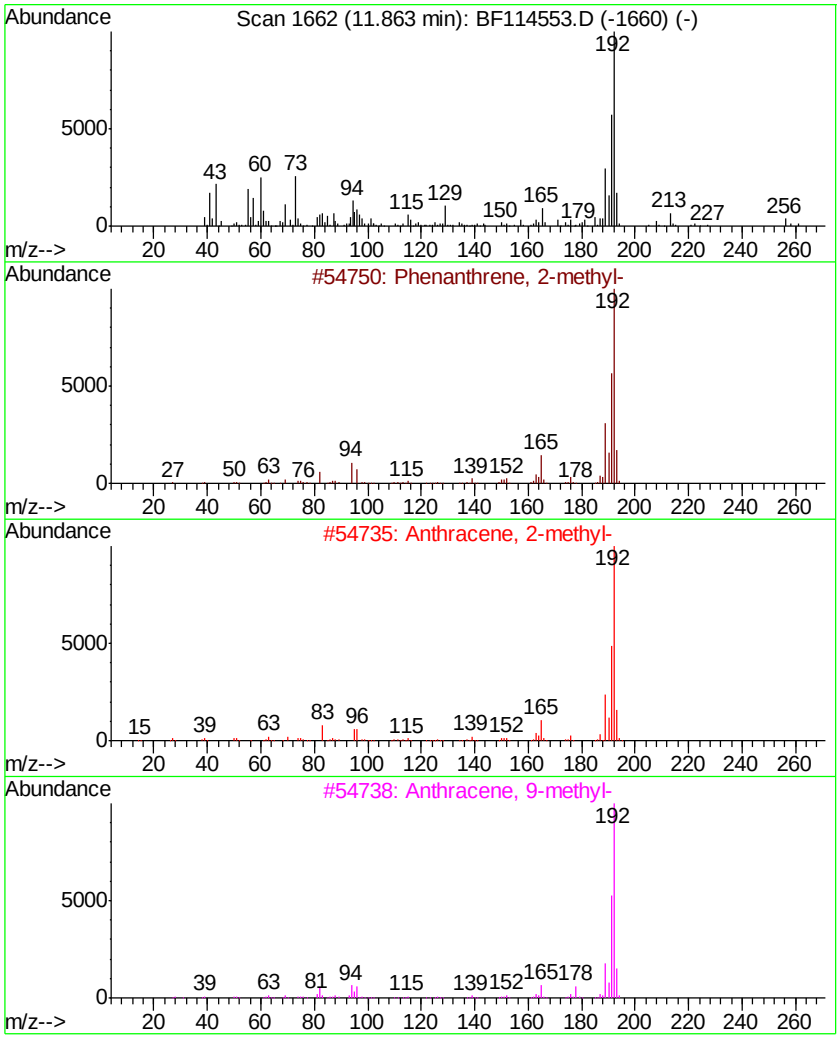
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

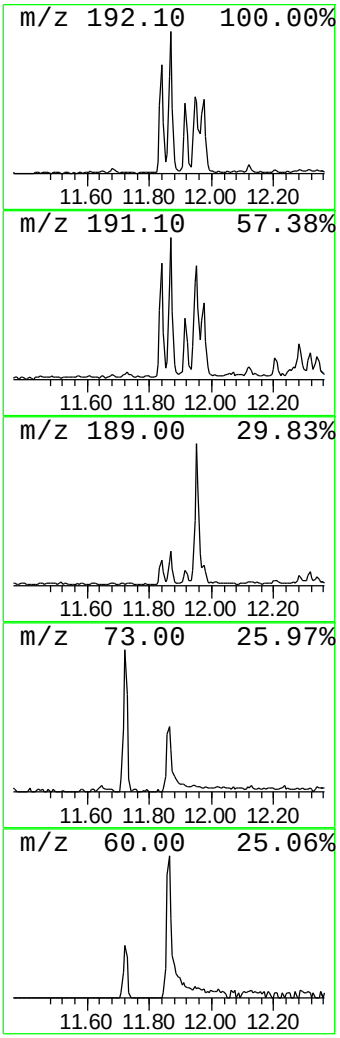
****

Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	3.53 ng	266608	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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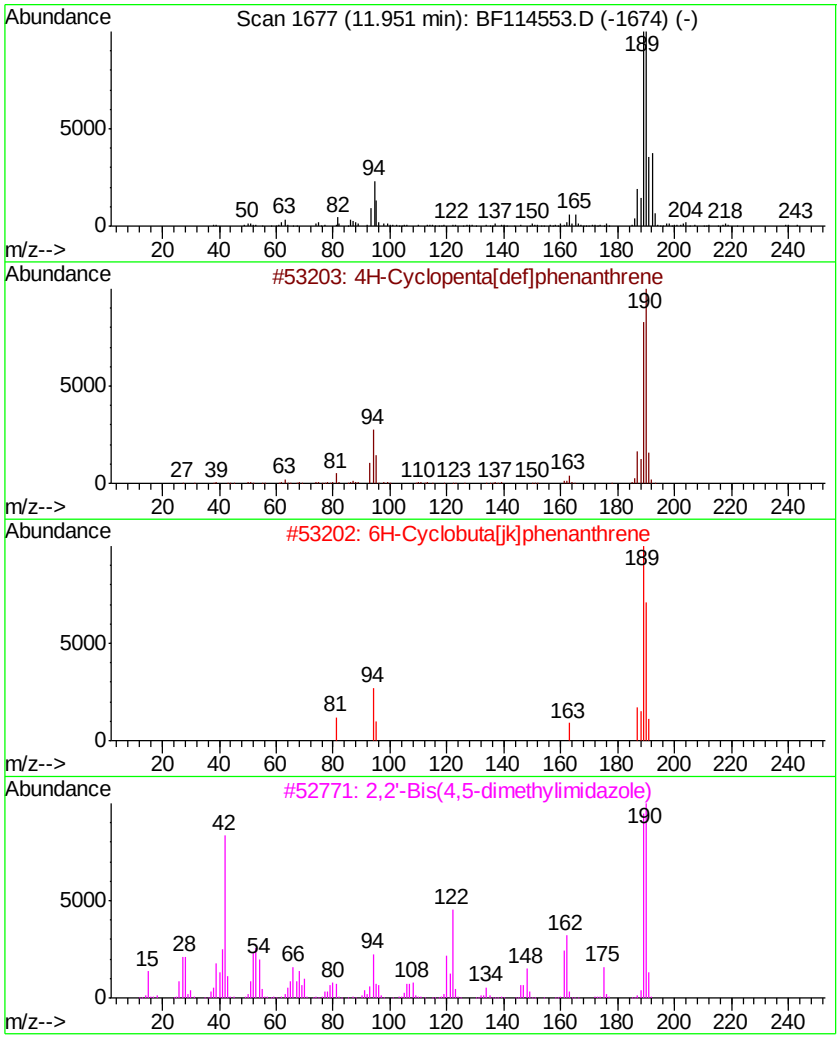
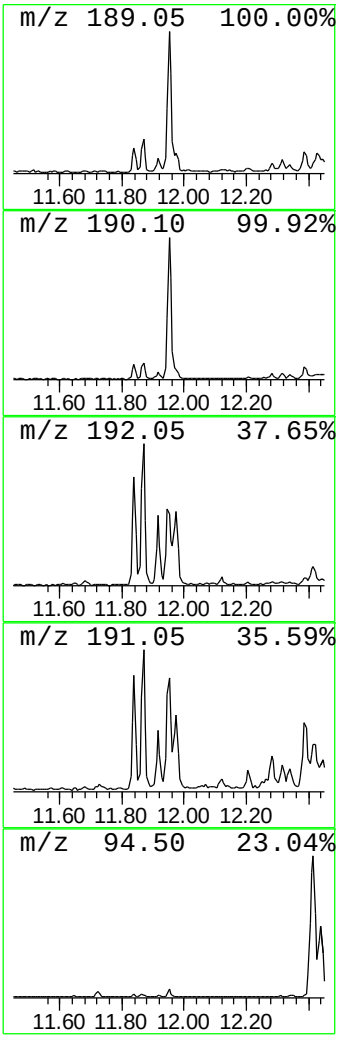
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	3.40 ng	256521	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	12





Library Search Compound Report

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Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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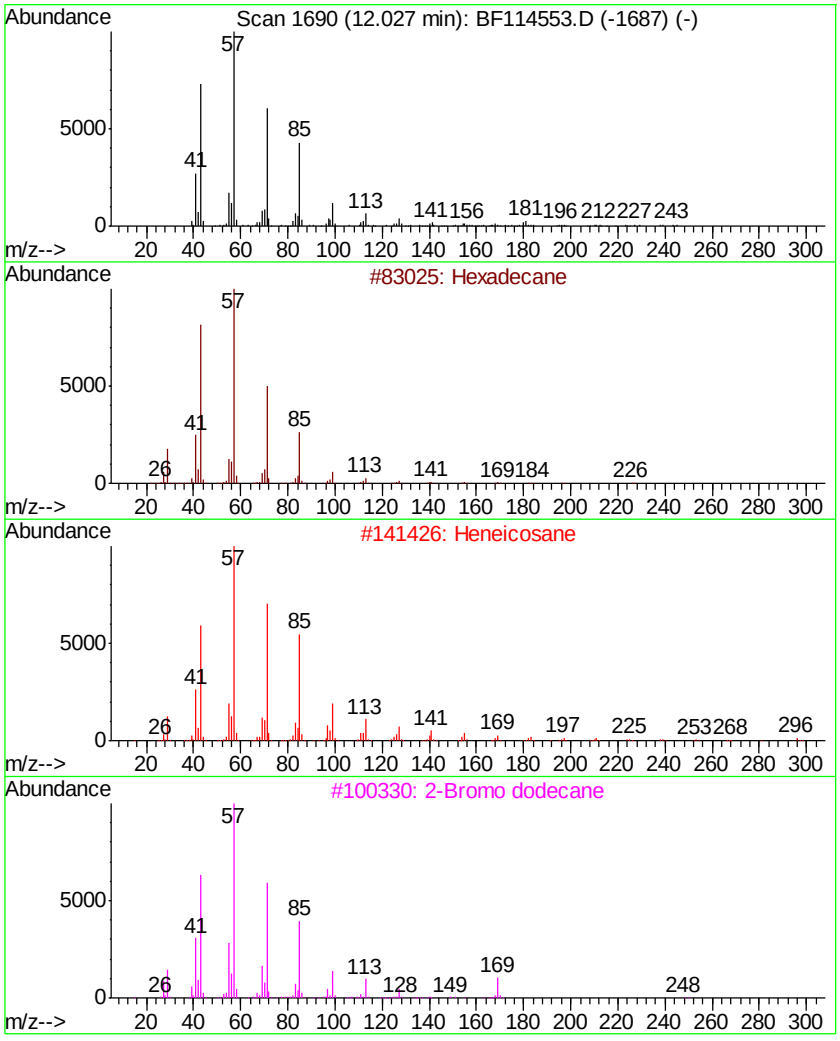
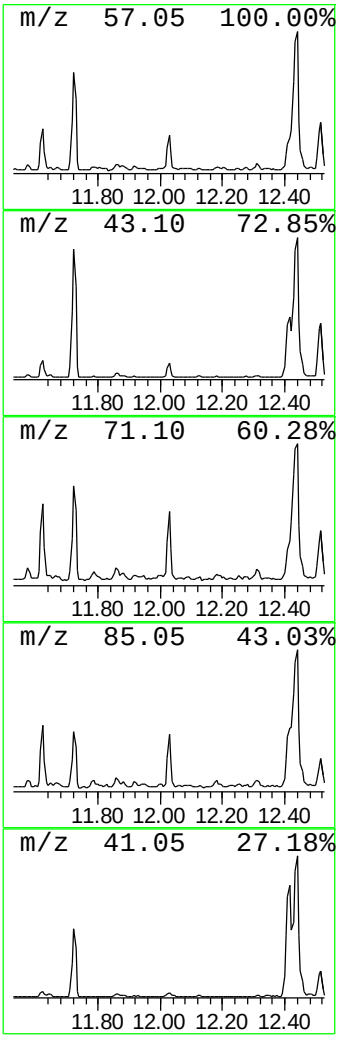
Peak Number 15 Heneicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.48 ng	262468	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	86





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Acq On : 24 May 2019 4:38
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Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

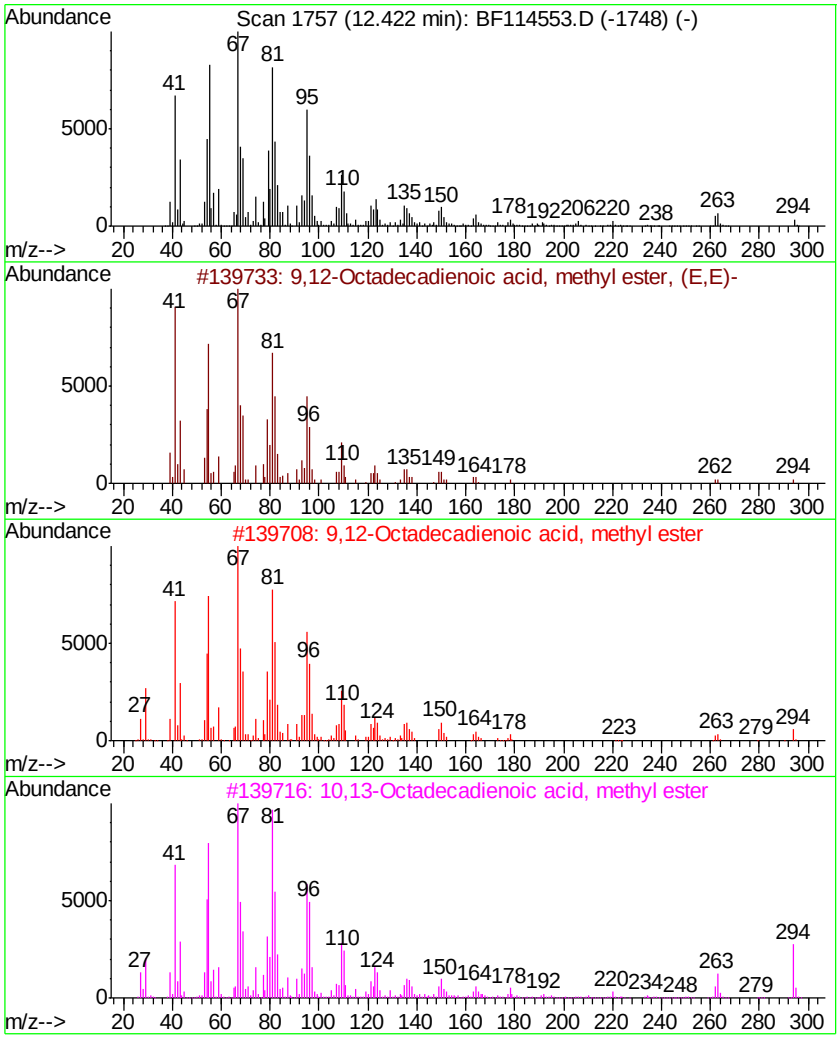
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

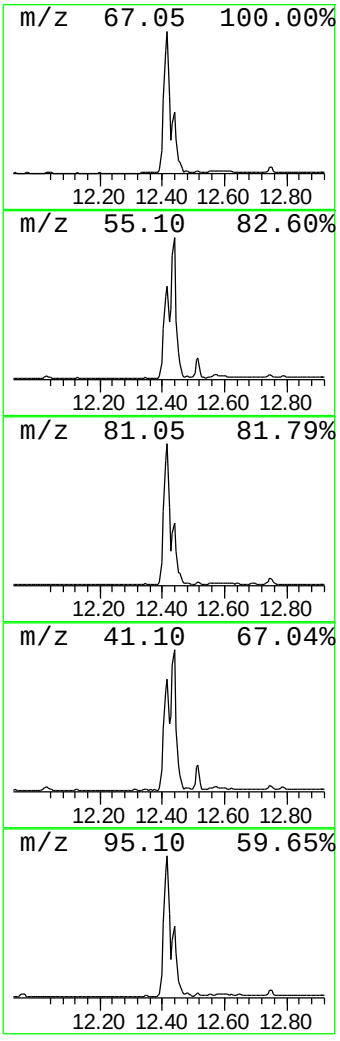
****

Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	135.74 ng	10242800	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99





Library Search Compound Report

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Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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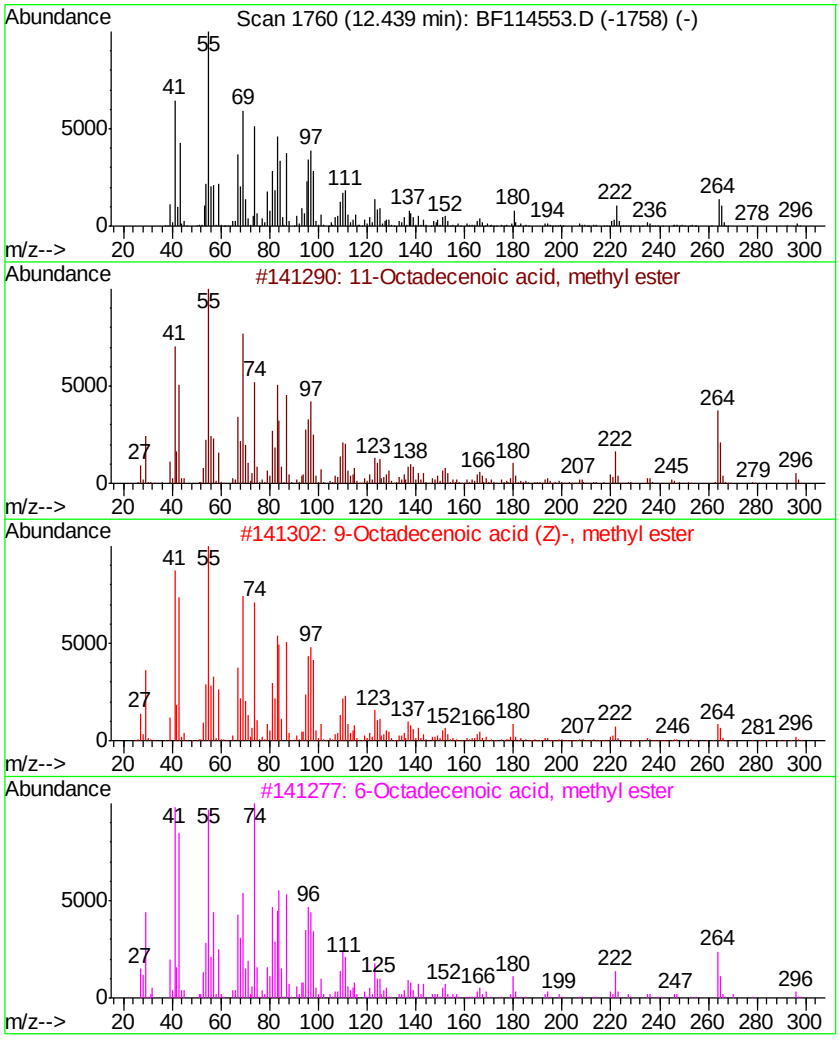
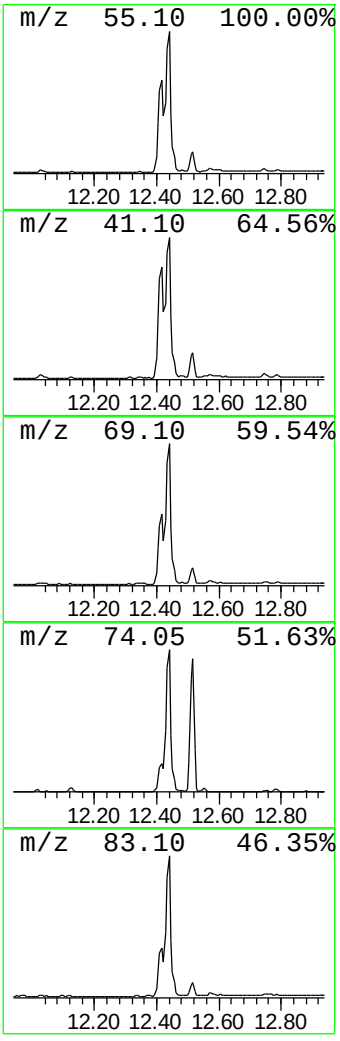
Peak Number 17 11-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	113.23 ng	8543940	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
2	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
3	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99
4	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	99
5	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99





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Sample : K2647-13 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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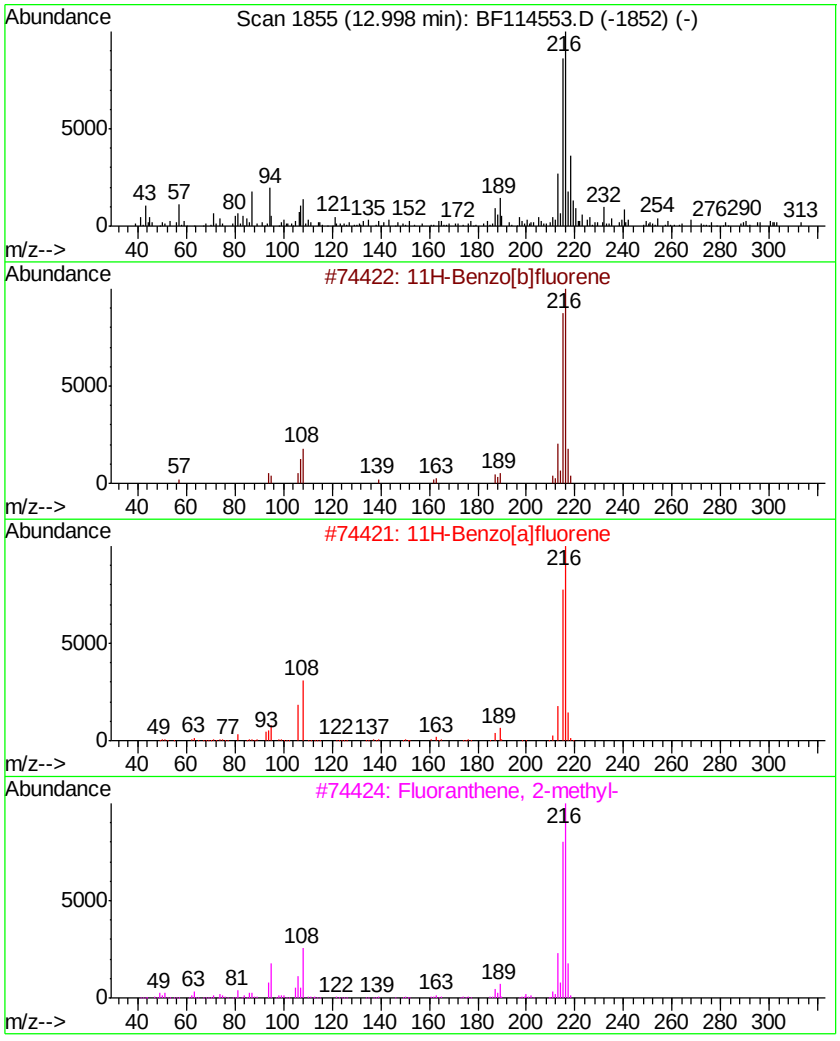
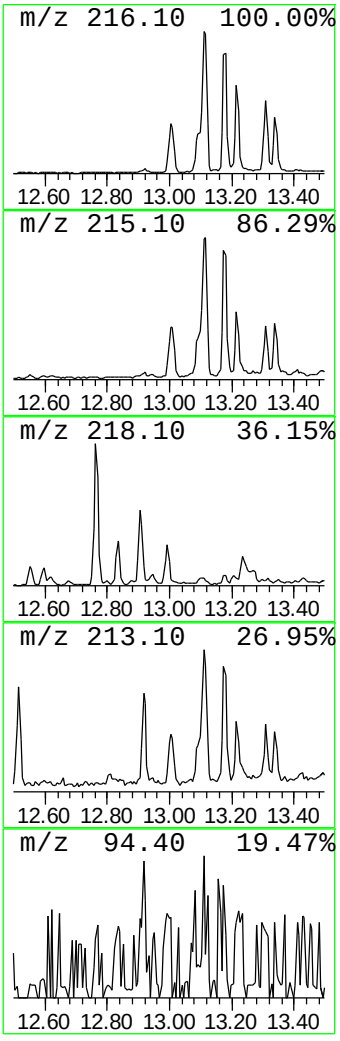
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.79 ng	242464	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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Operator : JU/SJ
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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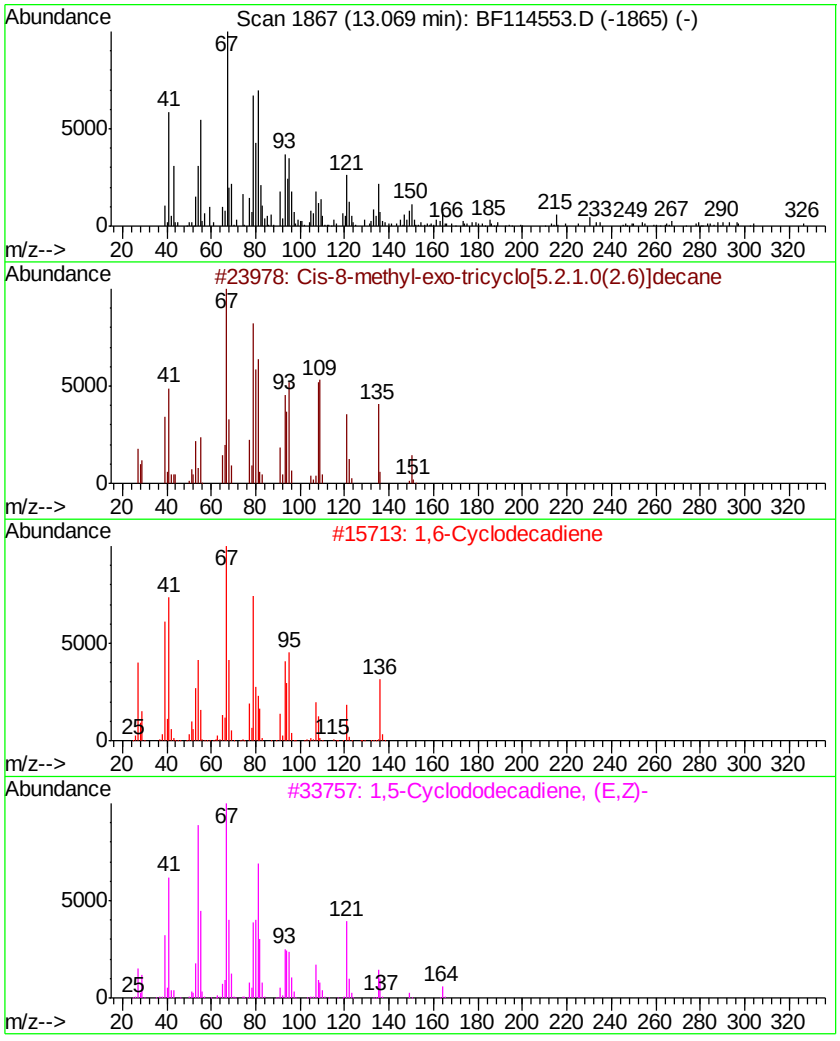
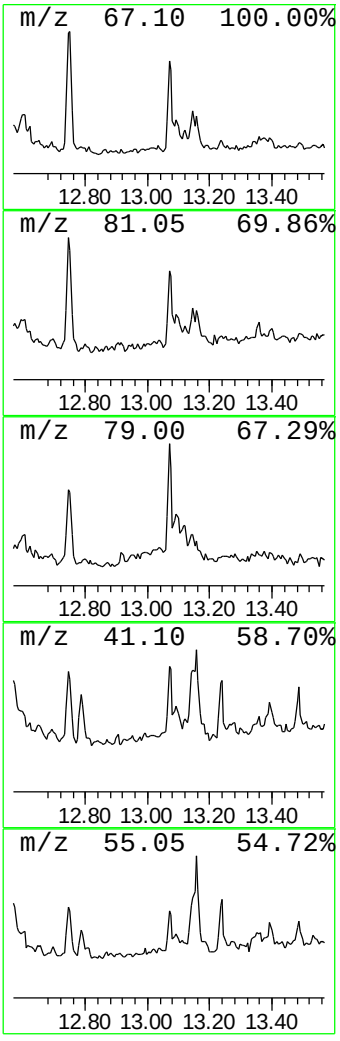
Peak Number 19 Cis-8-methyl-exo-tricyclo[5... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.34 ng	203737	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cis-8-methyl-exo-tricyclo[5.2.1....	150	C11H18	1000215-29-3	86
2	1,6-Cyclodecadiene	136	C10H16	007049-13-0	86
3	1,5-Cyclododecadiene, (E,Z)-	164	C12H20	019428-99-0	83
4	9,12,15-Octadecatrienoic acid, (...	278	C18H30O2	000463-40-1	83
5	i-Propyl 6,9,12-hexadecatrienoate	292	C19H32O2	1000336-78-1	80





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Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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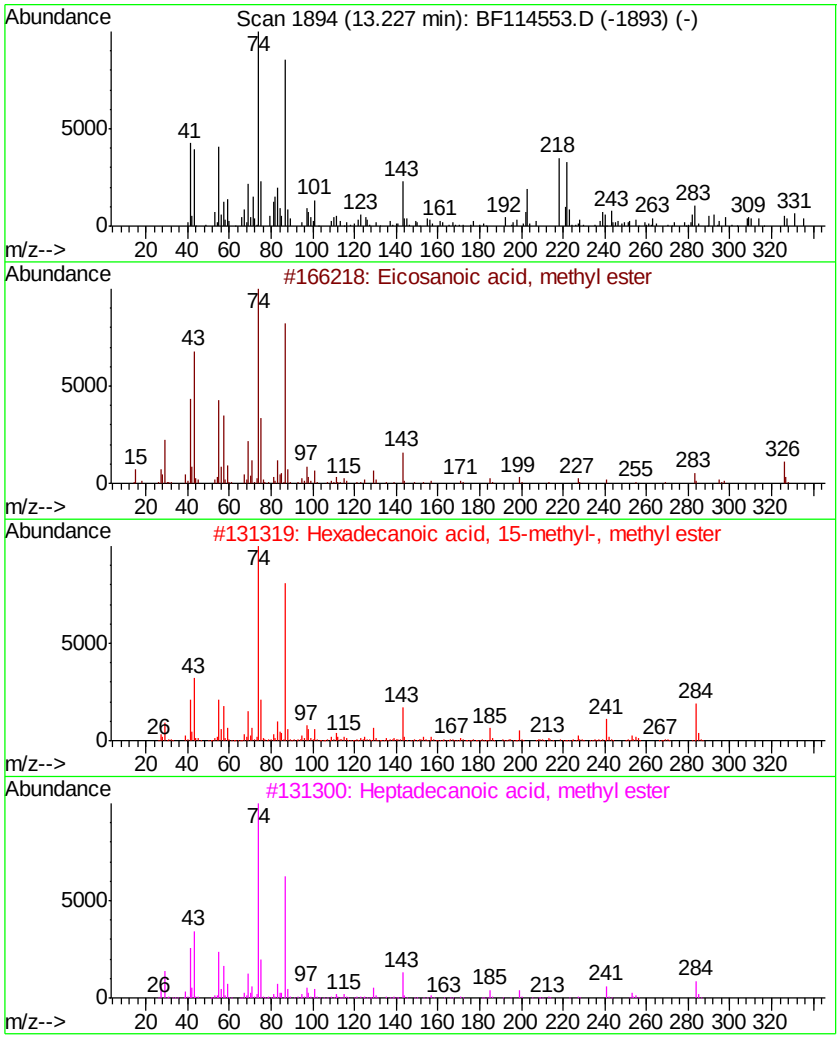
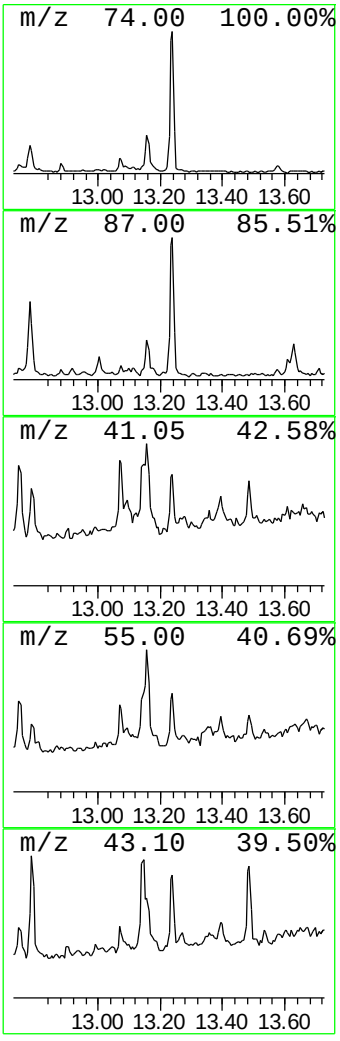
Peak Number 20 Eicosanoic acid, methyl ester Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	2.63 ng	228440	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	93
2	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	89
3	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	87
4	Methyl 18-methylnonadecanoate	326	C21H42O2	1000352-20-6	87
5	Methyl stearate	298	C19H38O2	000112-61-8	80





Tentatively Identified Compound (LSC) summary

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Data File : BF114553.D
Acq On : 24 May 2019 4:38
Operator : JU/SJ
Sample : K2647-13 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-03-052219-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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	39.3	ng	2127570	1	6.81	1081520	20.0
Tridecane	8.69	2.7	ng	211087	2	8.09	1577820	20.0
Tetradecane	9.25	3.7	ng	280659	3	9.85	1507500	20.0
Dodecane, 2-methy...	10.27	4.1	ng	309985	3	9.85	1507500	20.0
Undecane, 2,5-dim...	10.49	2.9	ng	214844	3	9.85	1507500	20.0
Heptadecane	10.75	6.8	ng	512264	4	11.34	1509200	20.0
Octadecane	11.20	4.0	ng	301362	4	11.34	1509200	20.0
Hexadecane	11.23	3.5	ng	262756	4	11.34	1509200	20.0
Eicosane, 10-methyl-	11.62	3.4	ng	257409	4	11.34	1509200	20.0
Hexadecanoic acid...	11.72	49.7	ng	3748890	4	11.34	1509200	20.0
Phenanthrene, 2-m...	11.86	3.5	ng	266608	4	11.34	1509200	20.0
4H-Cyclopenta[def...	11.95	3.4	ng	256521	4	11.34	1509200	20.0
Heneicosane	12.03	3.5	ng	262468	4	11.34	1509200	20.0
9,12-Octadecadien...	12.42	135.7	ng	10242800	4	11.34	1509200	20.0
11-Octadecenoic a...	12.44	113.2	ng	8543940	4	11.34	1509200	20.0
11H-Benzo[b]fluorene	13.00	2.8	ng	242464	5	13.98	1740120	20.0
Cis-8-methyl-exo-...	13.07	2.3	ng	203737	5	13.98	1740120	20.0
Eicosanoic acid, ...	13.23	2.6	ng	228440	5	13.98	1740120	20.0