LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113523.D
Acq On : 2 Apr 2019 23:39
Operator : JU/SJ
Sample : K2196-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-01-040119

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-BF032519.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	5.304	543	547	561	rBV	271890	338522	13.37%	1.976%
2	6.340	720	723	737	rBV	307229	377351	14.90%	2.203%
3	6.463	741	744	751	rVV	442547	391104	15.45%	2.283%
4	6.692	779	783	791	rBV	784954	736009	29.07%	4.297%
5	6.845	806	809	818	rBV	350400	312083	12.33%	1.822%
6	7.251	876	878	884	rBV	200948	195368	7.72%	1.141%
7	7.975	997	1001	1008	rBV	1057872	973094	38.43%	5.681%
8	8.569	1099	1102	1105	rBV	59027	60100	2.37%	0.351%
9	9.045	1179	1183	1188	rBV	515278	451081	17.82%	2.634%
10	9.133	1194	1198	1202	rBV	92387	82362	3.25%	0.481%
11	9.439	1247	1250	1251	rBV2	41492	37130	1.47%	0.217%
12	9.663	1285	1288	1291	rBV	100348	83398	3.29%	0.487%
13	9.722	1292	1298	1302	rBV	1047399	974873	38.50%	5.692%
14	9.892	1322	1327	1330	rBV3	20707	33372	1.32%	0.195%
15	10.157	1369	1372	1375	rBV	120130	96549	3.81%	0.564%
16	10.380	1403	1410	1413	rBV	50301	63933	2.53%	0.373%
17	10.510	1427	1432	1440	rBV	211134	240711	9.51%	1.405%
18	10.628	1450	1452	1460	rBV	128714	152870	6.04%	0.893%
19	11.075	1525	1528	1531	rBV	115610	92341	3.65%	0.539%
20	11.104	1531	1533	1538	rVB	42970	43270	1.71%	0.253%
21	11.198	1545	1549	1556	rBV	968620	889252	35.12%	5.192%
22	11.498	1597	1600	1602	rBV	94815	77961	3.08%	0.455%
23	11.522	1602	1604	1607	rVB2	43160	35413	1.40%	0.207%
24	11.598	1614	1617	1621	rBV	1302975	1024869	40.48%	5.984%
25	11.733	1637	1640	1649	rBV	79934	100665	3.98%	0.588%
26	11.904	1664	1669	1674	rBV2	73586	85492	3.38%	0.499%
27	12.280	1729	1733	1735	rBV	2488663	2373703	93.75%	13.859%
28	12.304	1735	1737	1740	rVB	3059234	2531854	100.00%	14.782%
29	12.386	1748	1751	1754	rBV	484289	446628	17.64%	2.608%
30	12.439	1758	1760	1764	rVV2	73858	75680	2.99%	0.442%
31	12.622	1788	1791	1796	rBV2	123043	200053	7.90%	1.168%
32	12.663	1796	1798	1801	rVB	64759	53014	2.09%	0.310%
33	12.774	1814	1817	1821	rBV	447923	421521	16.65%	2.461%
34	12.945	1843	1846	1847	rBV	96383	87426	3.45%	0.510%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2196-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-01-040119

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-BF032519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.963	1847	1849	1853	rVV	66594	83588	3.30%	0.488%
36	13.033	1856	1861	1863	rVV3	100213	137461	5.43%	0.803%
37	13.110	1871	1874	1878	rBV	81091	70230	2.77%	0.410%
38	13.216	1890	1892	1896	rBV3	48532	45316	1.79%	0.265%
39	13.357	1913	1916	1920	rBV	44398	48512	1.92%	0.283%
40	13.527	1943	1945	1950	rVB4	37415	43286	1.71%	0.253%
41	13.686	1969	1972	1975	rBV2	49124	45271	1.79%	0.264%
42	13.774	1985	1987	1990	rVB	57591	47039	1.86%	0.275%
43	13.827	1992	1996	2000	rBV	1018408	1097698	43.36%	6.409%
44	13.857	2000	2001	2005	rVB	61099	38015	1.50%	0.222%
45	14.004	2023	2026	2029	rVB2	48059	46108	1.82%	0.269%
46	14.304	2075	2077	2080	rBV	62659	65082	2.57%	0.380%
47	14.598	2124	2127	2130	rBV	79578	87279	3.45%	0.510%
48	14.704	2141	2145	2155	rVB	110001	199308	7.87%	1.164%
49	15.239	2231	2236	2248	rVB	661886	934177	36.90%	5.454%

Sum of corrected areas: 17127422

LSC Report - Integrated Chromatogram

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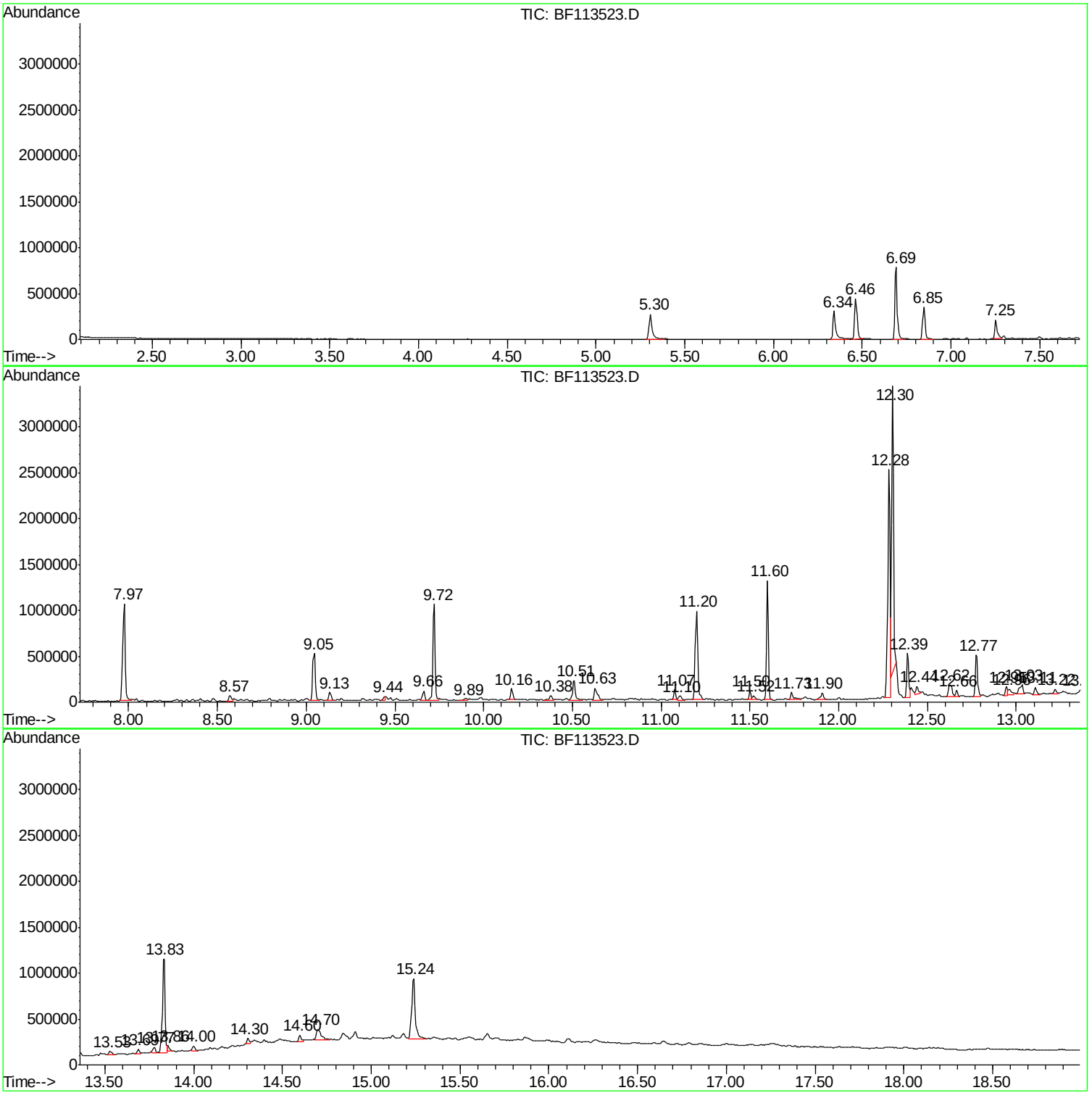
Operator : JU/SJ
Sample : K2196-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-01-040119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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\BF040219\
Data File : BF113523.D
Acq On : 2 Apr 2019 23:39
Operator : JU/SJ
Sample : K2196-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-01-040119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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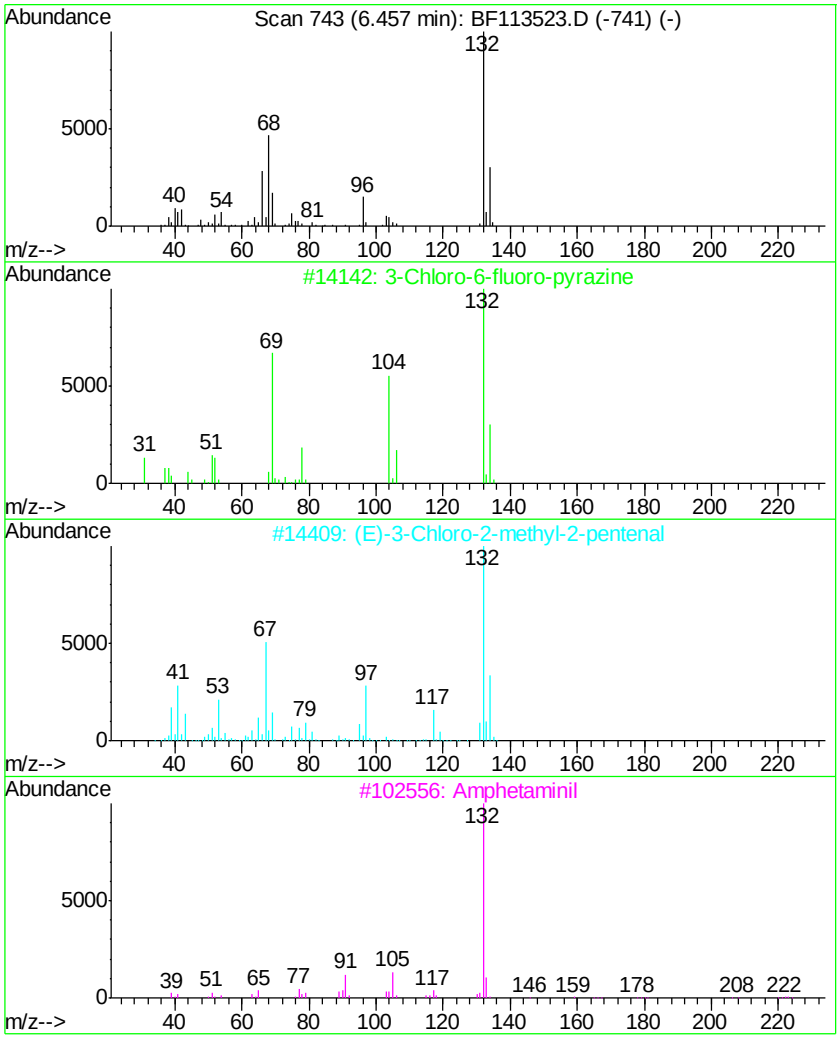
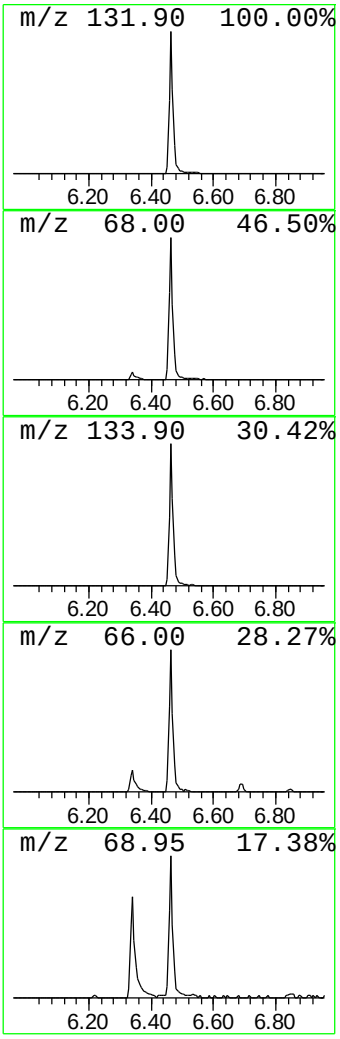
Peak Number 1 unknown6.46 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	10.63 ng	391104	1,4-Dichlorobenzene-d4	6.69

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	12
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Xenon	132	Xe	007440-63-3	9





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Sample : K2196-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : HD-01-040119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

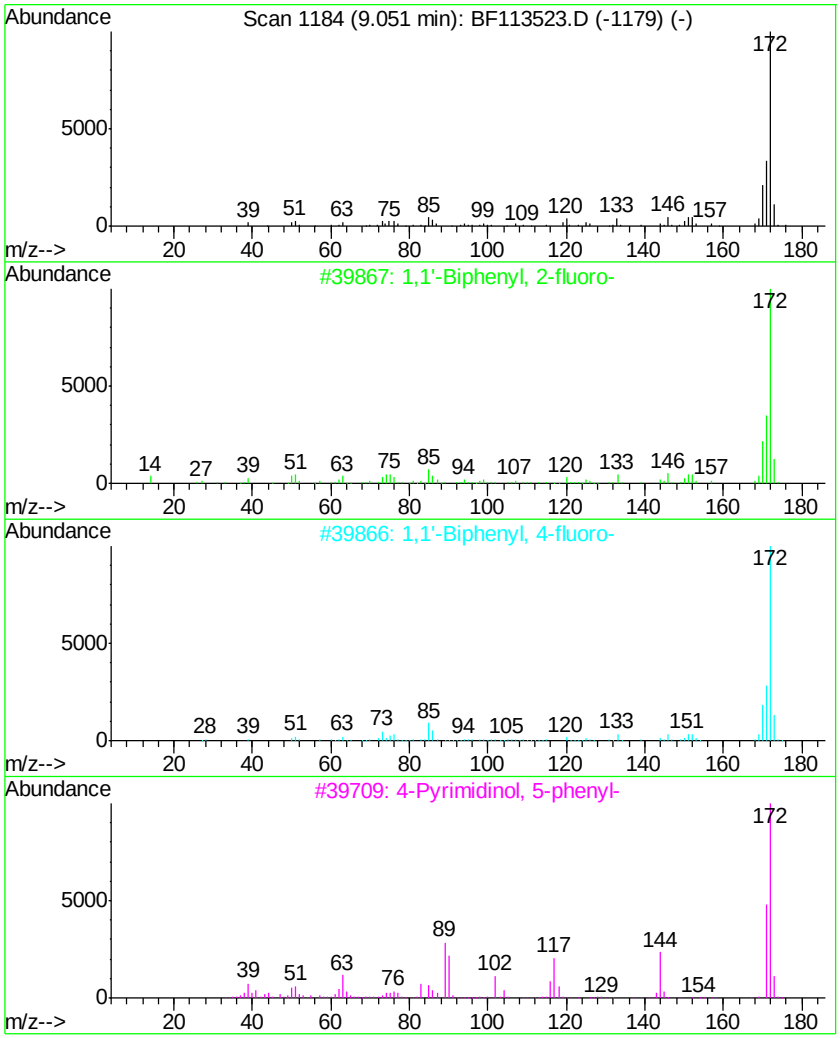
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

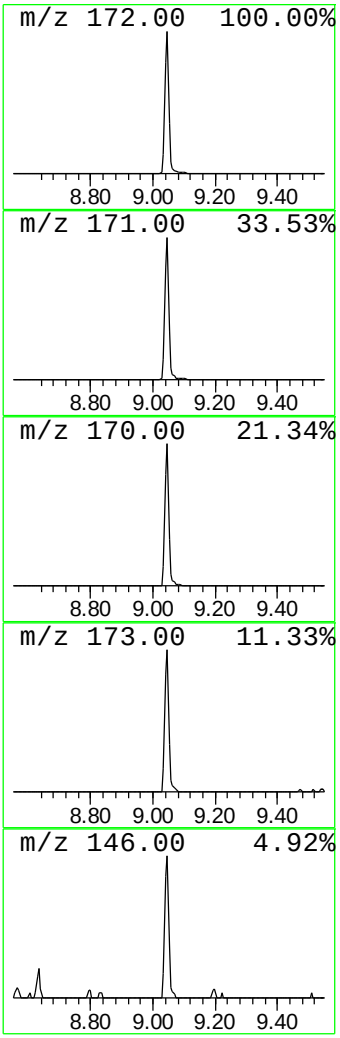
****

Peak Number 3 1,1'-Biphenyl, 2-fluoro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	9.25 ng	451081	Acenaphthene-d10	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	96
2	1,1'-Biphenyl, 4-fluoro-	172	C12H9F	000324-74-3	87
3	4-Pyrimidinol, 5-phenyl-	172	C10H8N2O	022433-69-8	40
4	DL-Norleucine, N-propoxycarbonyl...	357	C20H39NO4	1000339-03-3	37
5	DL-Norleucine, N-propoxycarbonyl...	301	C16H31NO4	1000339-03-0	37





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Sample : K2196-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-01-040119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
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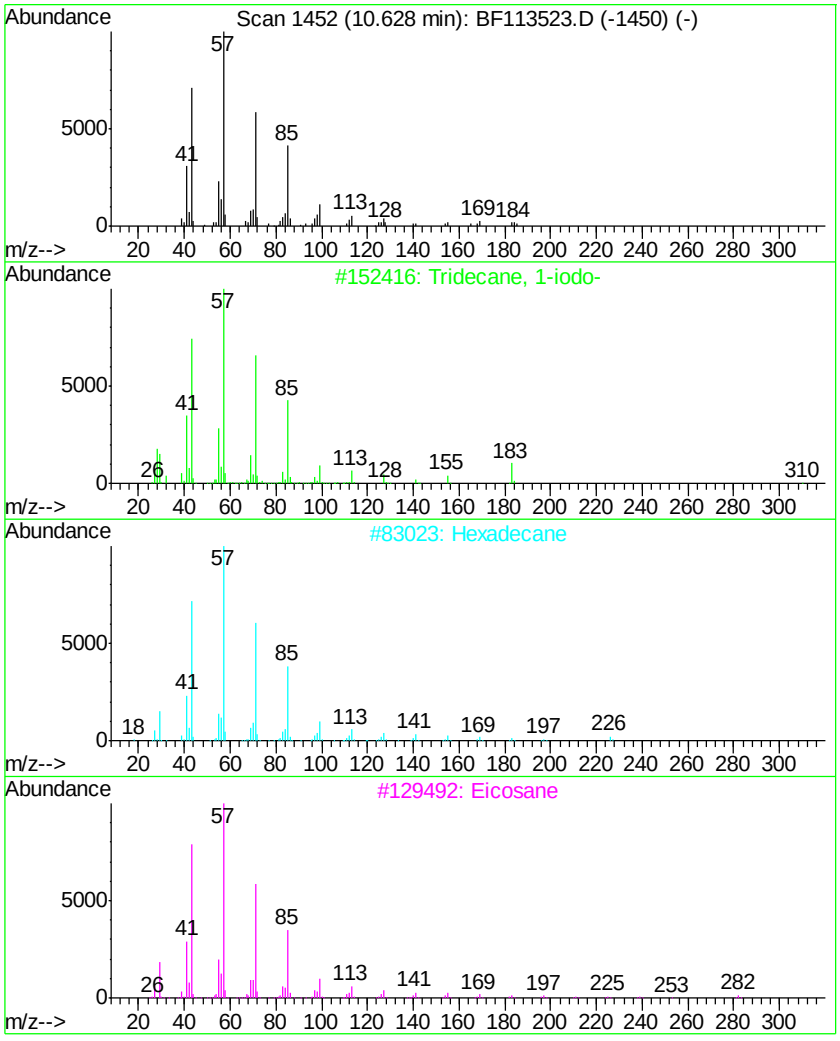
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

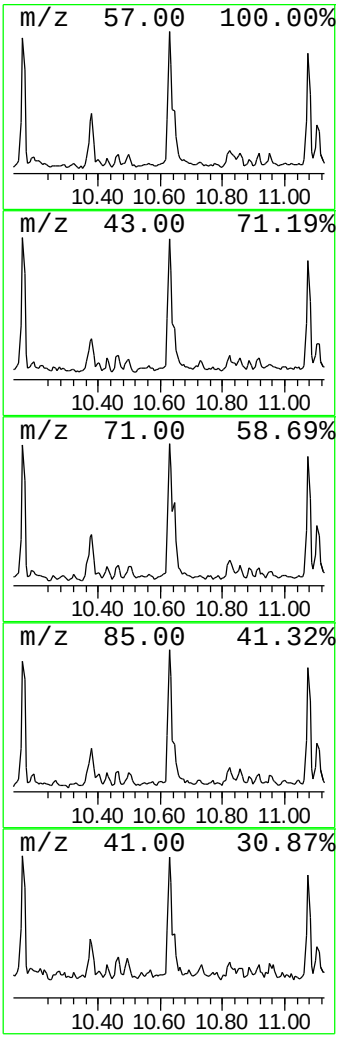
****

Peak Number 4 Tridecane, 1-iodo- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	3.44 ng	152870	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
2	Hexadecane	226	C16H34	000544-76-3	87
3	Eicosane	282	C20H42	000112-95-8	87
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
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Misc :
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Instrument : BNA_F
ClientSampleId : HD-01-040119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
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TIC Library : C:\DATABASE\NIST11.L
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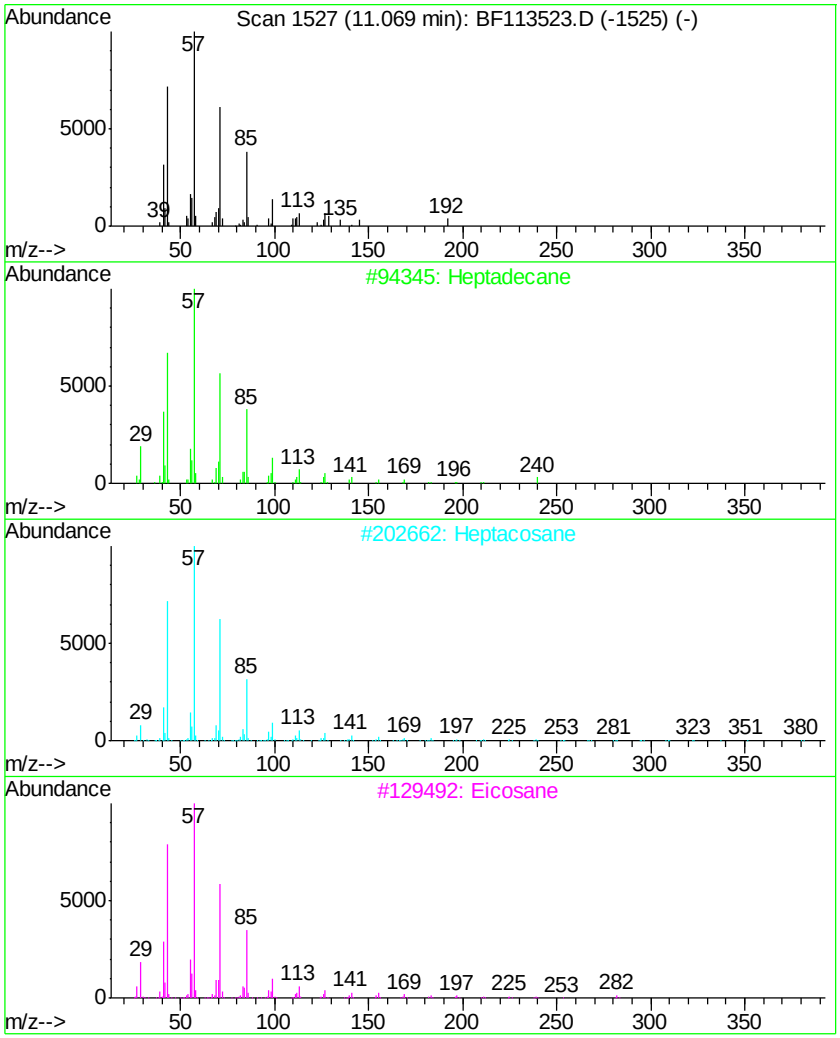
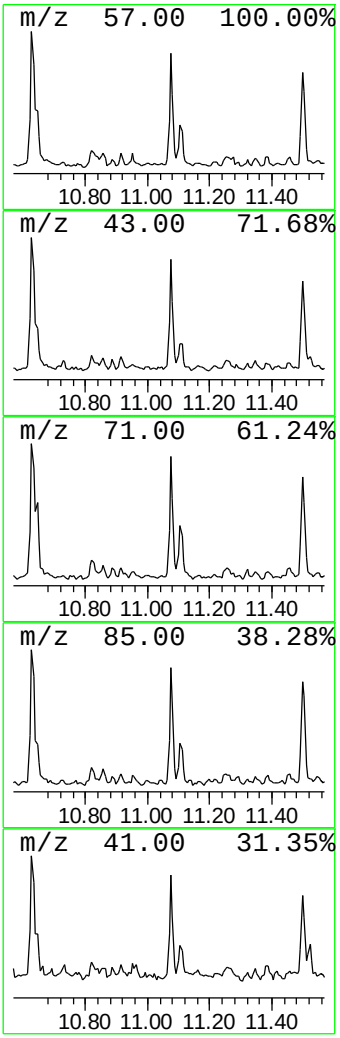
Peak Number 5 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	2.08 ng	92341	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Heptacosane	380	C27H56	000593-49-7	87
3	Eicosane	282	C20H42	000112-95-8	87
4	Tetradecane	198	C14H30	000629-59-4	86
5	Heneicosane	296	C21H44	000629-94-7	86





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Instrument : BNA_F
ClientSampleId : HD-01-040119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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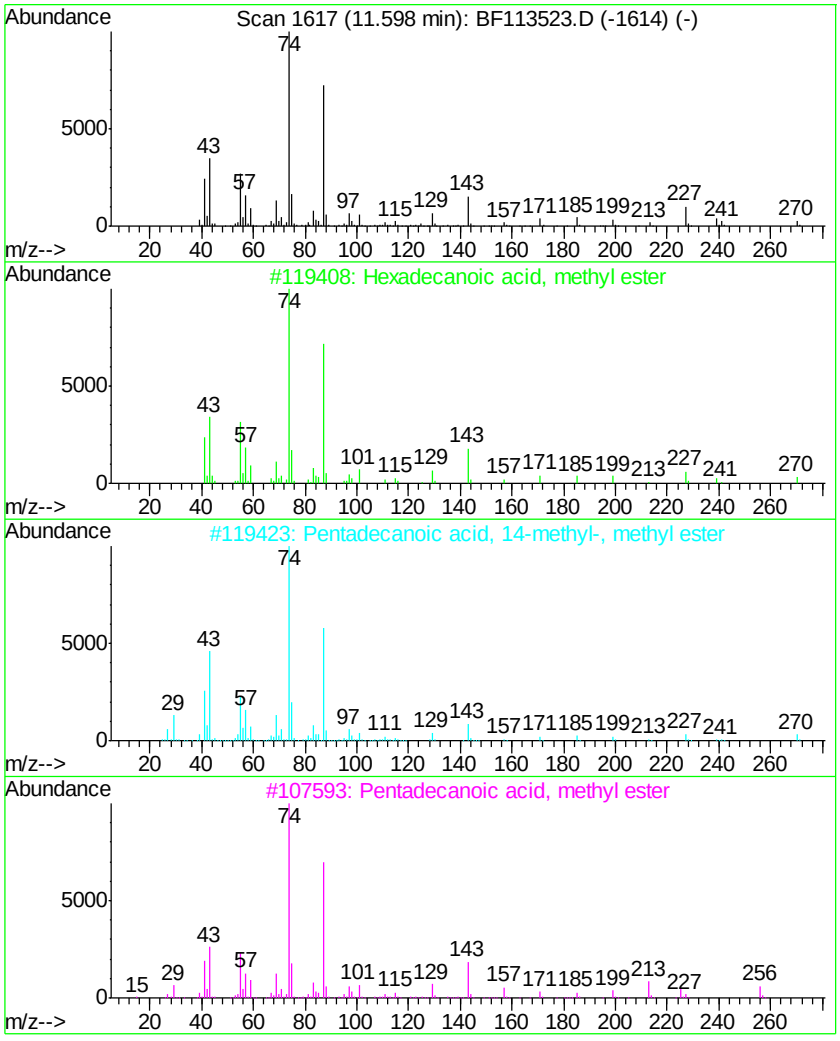
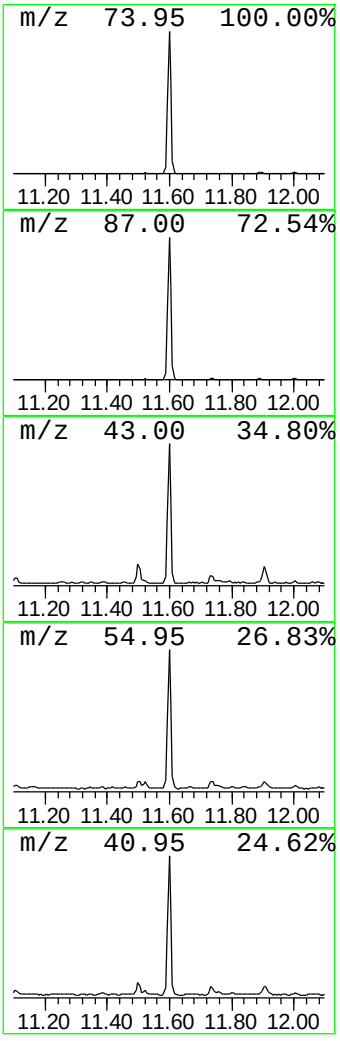
Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	23.05 ng	1024870	Phenanthrene-d10	11.20

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	97
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80
5	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	80





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ClientSampleId : HD-01-040119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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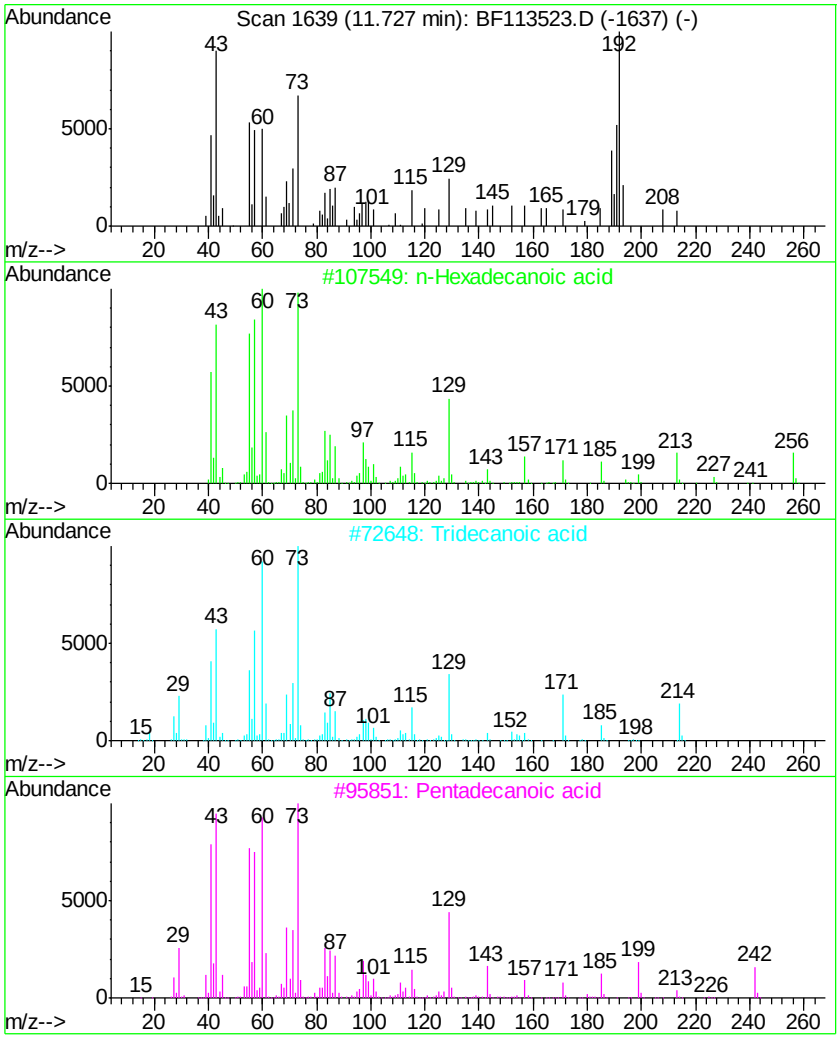
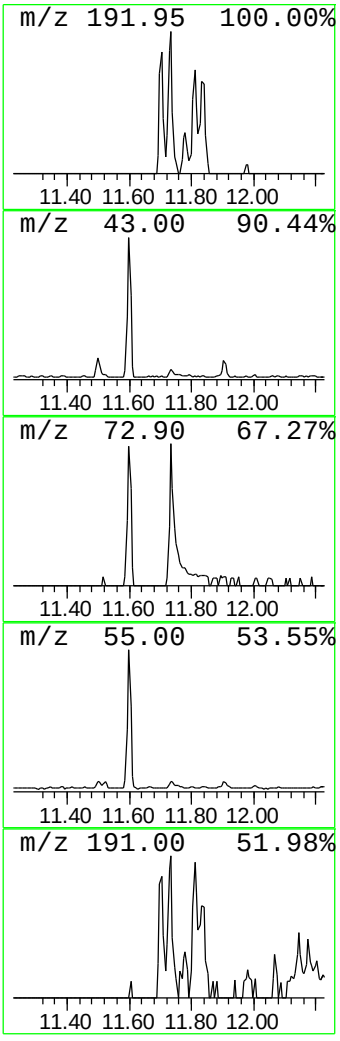
Peak Number 7 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	2.26 ng	100665	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	49
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	49
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	49
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	18





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Misc :
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Instrument : BNA_F
ClientSampleId : HD-01-040119

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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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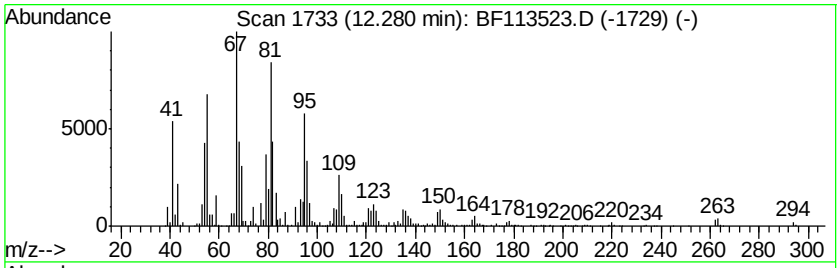
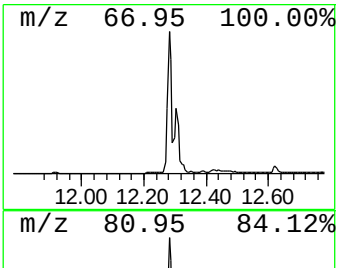
Peak Number 8 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	53.39 ng	2373700	Phenanthrene-d10	11.20

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	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99





Library Search Compound Report

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Data File : BF113523.D
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Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : HD-01-040119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

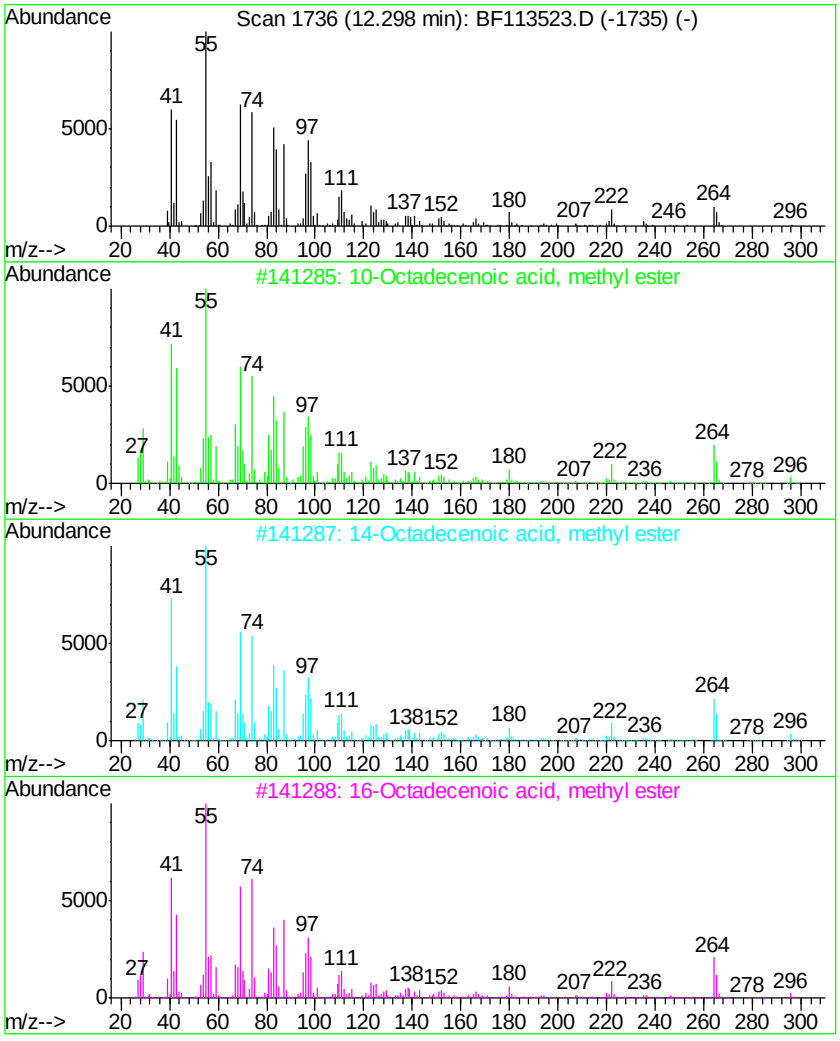
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

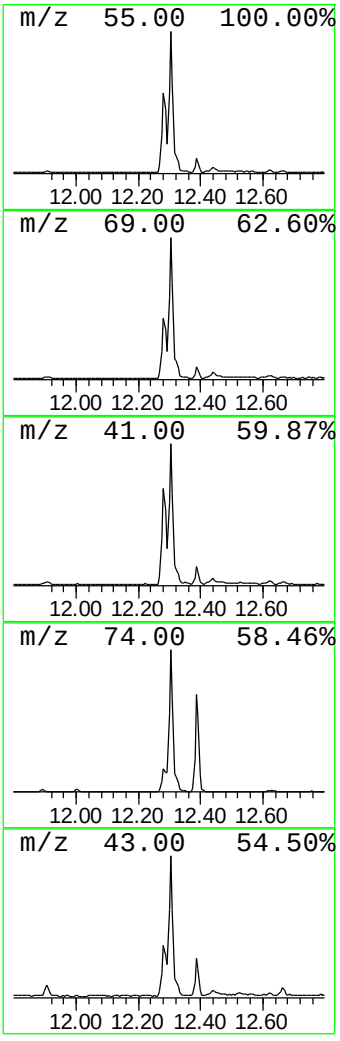
****

Peak Number 9 10-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	56.94 ng	2531850	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
2	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
3	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
5	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113523.D
Acq On : 2 Apr 2019 23:39
Operator : JU/SJ
Sample : K2196-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-01-040119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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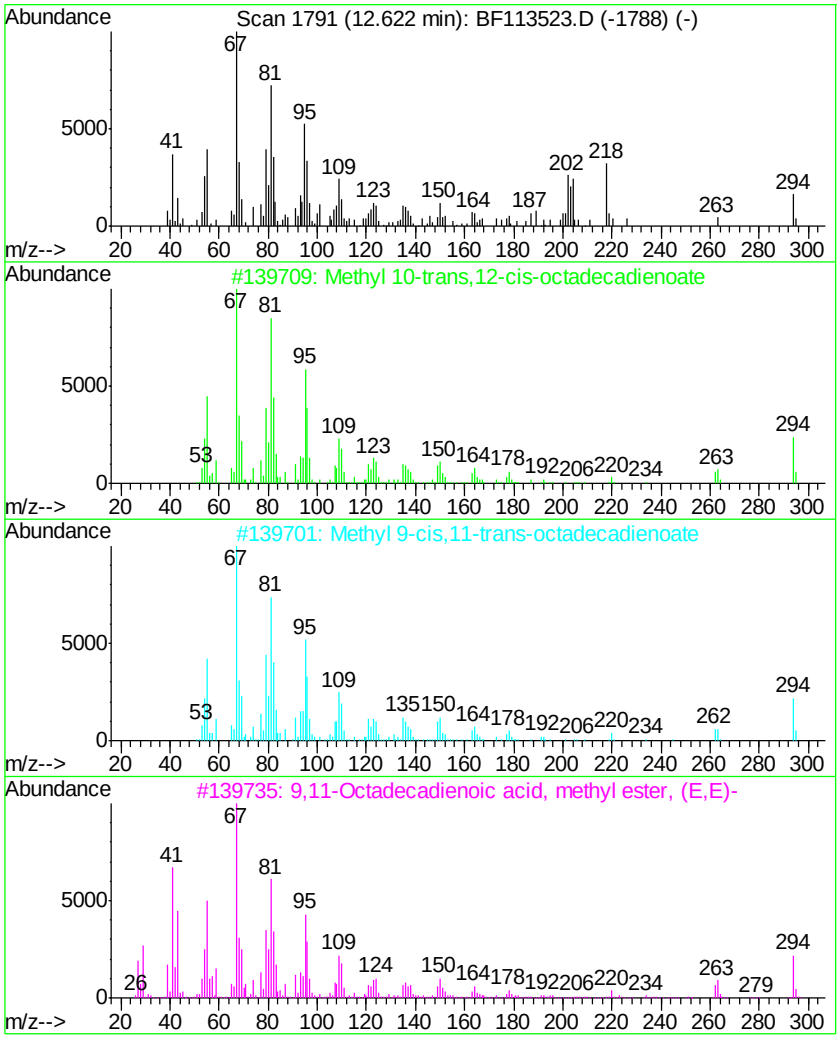
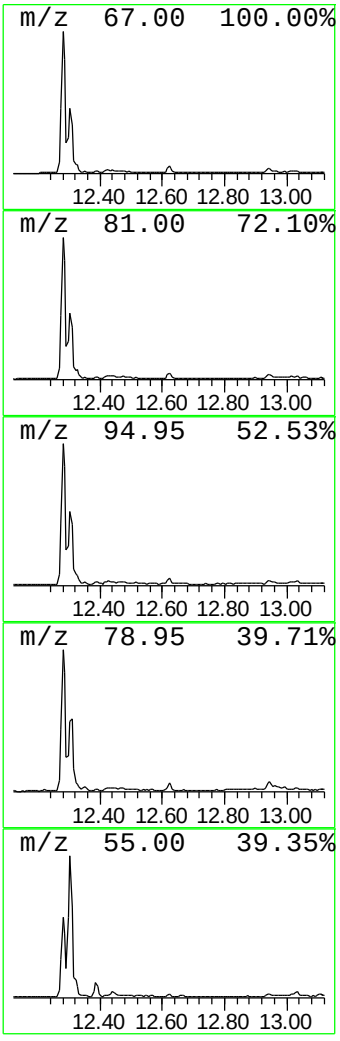
Peak Number 10 Methyl 10-trans,12-cis-octa... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	3.64 ng	200053	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	99
2	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	95
3	9,11-Octadecadienoic acid, methy...	294	C19H34O2	013038-47-6	91
4	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	90
5	Methyl 6,11-octadecadienoate	294	C19H34O2	1000336-43-2	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113523.D
Acq On : 2 Apr 2019 23:39
Operator : JU/SJ
Sample : K2196-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-01-040119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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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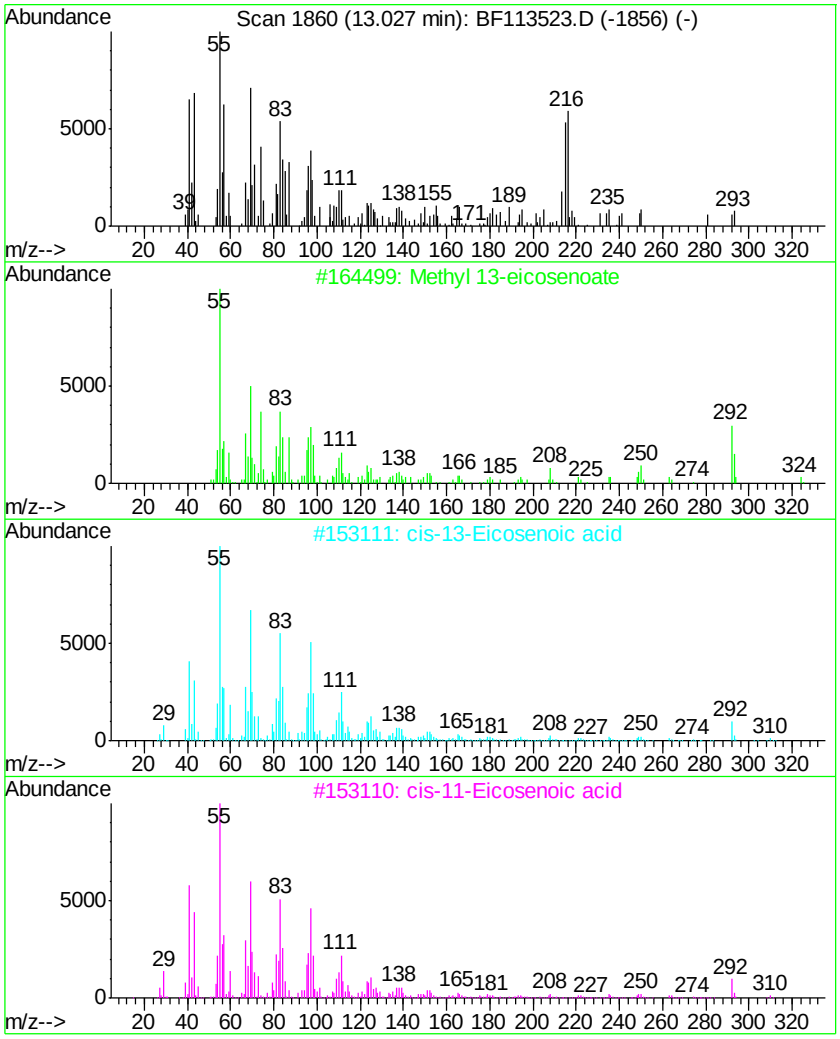
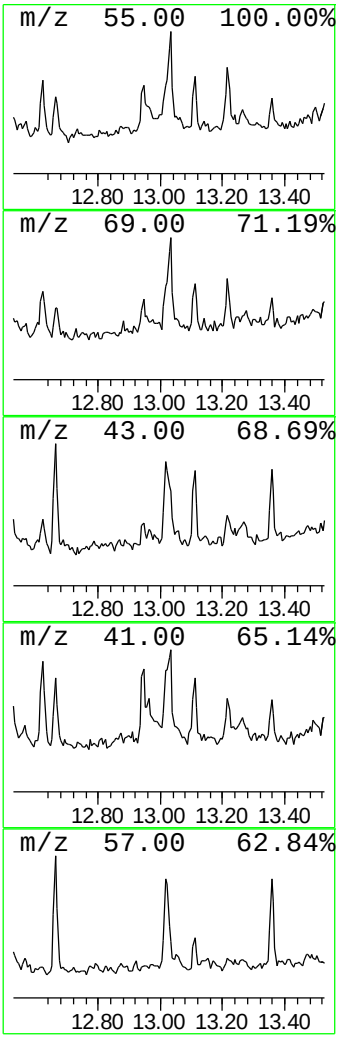
Peak Number 11 unknown13.03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.50 ng	137461	Chrysene-d12	13.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 13-eicosenoate	324	C21H40O2	1000336-48-4	49
2	cis-13-Eicosenoic acid	310	C20H38O2	017735-94-3	30
3	cis-11-Eicosenoic acid	310	C20H38O2	005561-99-9	30
4	Oxacyclohexadecan-2-one	240	C15H28O2	000106-02-5	30
5	cis-10-Heptadecenoic acid, methy...	282	C18H34O2	1000333-62-1	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113523.D
Acq On : 2 Apr 2019 23:39
Operator : JU/SJ
Sample : K2196-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-01-040119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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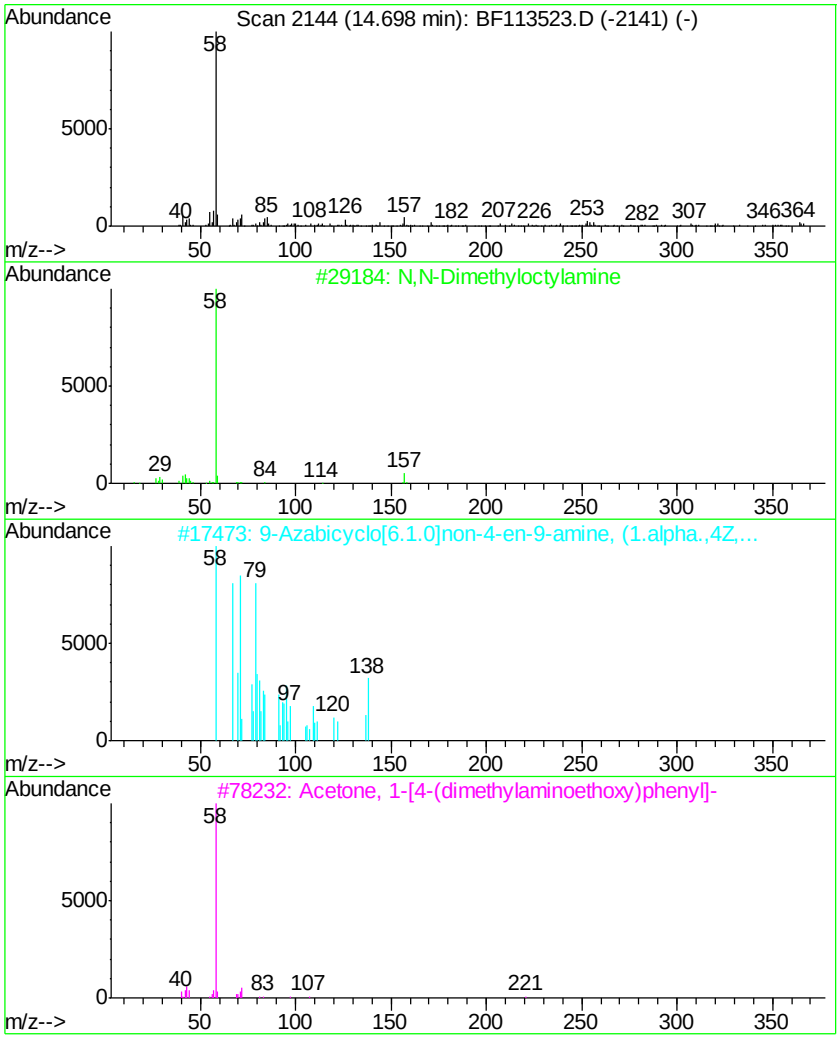
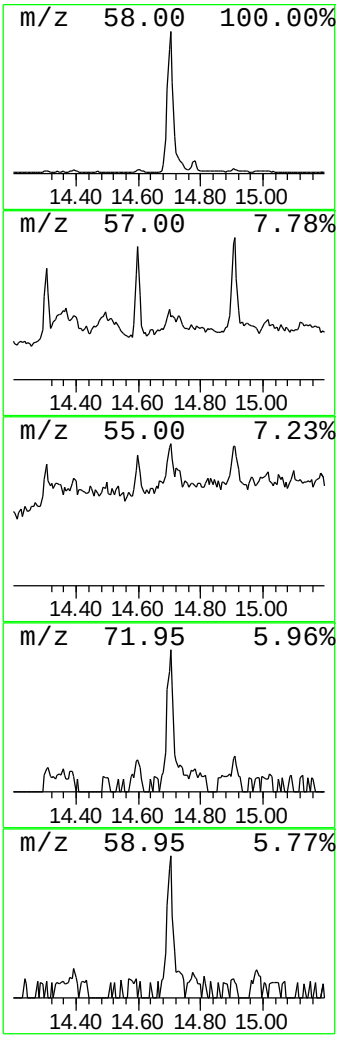
Peak Number 12 N,N-Dimethyloctylamine Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	4.27 ng	199308	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Dimethyloctylamine	157	C10H23N	007378-99-6	72
2	9-Azabicyclo[6.1.0]non-4-en-9-am...	138	C8H14N2	066387-78-8	70
3	Acetone, 1-[4-(dimethylaminoetho...	221	C13H19NO2	086608-11-9	64
4	Trifluomeprazine	366	C19H21F3N2S	002622-37-9	64
5	3-(Dimethylamino)propyl isothioc...	144	C6H12N2S	027421-70-1	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
Data File : BF113523.D
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Operator : JU/SJ
Sample : K2196-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : HD-01-040119

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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
unknown6.46	6.46	10.6	ng	391104	1	6.69	736009	20.0
1,1'-Biphenyl, 2-...	9.05	9.3	ng	451081	3	9.72	974873	20.0
Tridecane, 1-iodo-	10.63	3.4	ng	152870	4	11.20	889252	20.0
Heptadecane	11.07	2.1	ng	92341	4	11.20	889252	20.0
Hexadecanoic acid...	11.60	23.1	ng	1024870	4	11.20	889252	20.0
n-Hexadecanoic acid	11.73	2.3	ng	100665	4	11.20	889252	20.0
9,12-Octadecadien...	12.28	53.4	ng	2373700	4	11.20	889252	20.0
10-Octadecenoic a...	12.30	56.9	ng	2531850	4	11.20	889252	20.0
Methyl 10-trans,1...	12.62	3.6	ng	200053	5	13.83	1097700	20.0
unknown13.03	13.03	2.5	ng	137461	5	13.83	1097700	20.0
N,N-Dimethyloctyl...	14.70	4.3	ng	199308	6	15.24	934177	20.0