LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113132.D
Acq On : 19 Mar 2019 18:18
Operator : JU/SJ
Sample : K1951-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-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-BF022719.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	5.345	549	554	557	rBV	3363512	3378938	91.12%	8.836%
2	6.375	723	729	732	rBV	3293571	3708322	100.00%	9.697%
3	6.498	745	750	753	rBV	3805587	3658195	98.65%	9.566%
4	6.569	757	762	771	rVB3	51765	71768	1.94%	0.188%
5	6.722	784	788	791	rBV	1114927	875256	23.60%	2.289%
6	6.881	810	815	818	rBV	2856860	2514039	67.79%	6.574%
7	7.286	876	884	887	rBV	2123256	2070518	55.83%	5.414%
8	7.333	889	892	895	rVB	54564	52244	1.41%	0.137%
9	8.004	1001	1006	1009	rBV	1279795	1135935	30.63%	2.970%
10	8.604	1104	1108	1111	rBV	82835	75573	2.04%	0.198%
11	8.716	1122	1127	1131	rVB	88696	87285	2.35%	0.228%
12	8.816	1140	1144	1151	rBV2	82779	99288	2.68%	0.260%
13	9.080	1184	1189	1192	rBV	3952439	3520434	94.93%	9.206%
14	9.169	1199	1204	1208	rBV2	87600	104171	2.81%	0.272%
15	9.345	1228	1234	1238	rBV	58378	89315	2.41%	0.234%
16	9.416	1242	1246	1248	rVV	98876	105051	2.83%	0.275%
17	9.439	1248	1250	1253	rVV	64803	72445	1.95%	0.189%
18	9.469	1253	1255	1260	rVV	267454	288772	7.79%	0.755%
19	9.533	1264	1266	1271	rVB4	46015	64222	1.73%	0.168%
20	9.616	1277	1280	1285	rBV	51016	47715	1.29%	0.125%
21	9.698	1291	1294	1298	rVB	91244	78877	2.13%	0.206%
22	9.757	1298	1304	1307	rBV	1163093	1203832	32.46%	3.148%
23	9.786	1307	1309	1313	rVB	80503	69946	1.89%	0.183%
24	9.957	1335	1338	1342	rVB	91226	84464	2.28%	0.221%
25	10.074	1353	1358	1360	rBV4	39298	50183	1.35%	0.131%
26	10.163	1369	1373	1375	rBV2	30929	39287	1.06%	0.103%
27	10.198	1376	1379	1382	rVB	74998	70580	1.90%	0.185%
28	10.298	1393	1396	1399	rBV	135172	120611	3.25%	0.315%
29	10.416	1413	1416	1420	rBV	48251	54809	1.48%	0.143%
30	10.457	1420	1423	1428	rVB3	32402	47858	1.29%	0.125%
31	10.539	1433	1437	1441	rBV	2115640	2121792	57.22%	5.549%
32	10.669	1456	1459	1466	rVB	109662	146470	3.95%	0.383%
33	10.845	1485	1489	1492	rBV3	33507	42851	1.16%	0.112%
34	11.116	1532	1535	1536	rBV	65833	61528	1.66%	0.161%

LSC Area Percent Report

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Acq On : 19 Mar 2019 18:18
Operator : JU/SJ
Sample : K1951-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-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-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.233	1551	1555	1557	rBV	1199214	1043081	28.13%	2.728%
36	11.257	1557	1559	1562	rVV	581977	443197	11.95%	1.159%
37	11.304	1562	1567	1572	rVB	112950	139266	3.76%	0.364%
38	11.539	1604	1607	1609	rBV2	60016	52154	1.41%	0.136%
39	11.633	1620	1623	1628	rVB	330104	285506	7.70%	0.747%
40	11.733	1637	1640	1642	rBV	96762	82936	2.24%	0.217%
41	11.768	1642	1646	1650	rVV2	461355	520105	14.03%	1.360%
42	11.845	1655	1659	1661	rVV	160449	192106	5.18%	0.502%
43	11.868	1661	1663	1668	rVB	82182	75674	2.04%	0.198%
44	11.945	1673	1676	1678	rBV	57846	47989	1.29%	0.125%
45	12.027	1687	1690	1692	rBV	55230	45557	1.23%	0.119%
46	12.057	1692	1695	1699	rVB3	39089	48836	1.32%	0.128%
47	12.174	1710	1715	1718	rBV3	33913	53544	1.44%	0.140%
48	12.280	1730	1733	1736	rBV	74236	77261	2.08%	0.202%
49	12.316	1736	1739	1741	rVV	801959	771653	20.81%	2.018%
50	12.339	1741	1743	1746	rVV	1006903	825234	22.25%	2.158%
51	12.363	1746	1747	1752	rVB4	95159	70558	1.90%	0.185%
52	12.439	1755	1760	1764	rBV	558610	597074	16.10%	1.561%
53	12.474	1764	1766	1770	rVB3	32906	45655	1.23%	0.119%
54	12.551	1776	1779	1790	rBV4	206190	248365	6.70%	0.649%
55	12.668	1793	1799	1802	rBV	473483	506929	13.67%	1.326%
56	12.704	1802	1805	1807	rVB2	46045	46725	1.26%	0.122%
57	12.815	1820	1824	1827	rBV	2836153	2582386	69.64%	6.753%
58	12.886	1834	1836	1840	rBV	34194	49135	1.32%	0.128%
59	12.998	1853	1855	1858	rVB	103402	82159	2.22%	0.215%
60	13.063	1862	1866	1869	rVV2	98843	127851	3.45%	0.334%
61	13.098	1870	1872	1878	rVB2	68423	80145	2.16%	0.210%
62	13.221	1891	1893	1897	rBV2	53323	55825	1.51%	0.146%
63	13.398	1920	1923	1925	rBV2	68301	59248	1.60%	0.155%
64	13.721	1974	1978	1987	rVB2	270507	402002	10.84%	1.051%
65	13.862	1997	2002	2005	rBV2	1018624	1102672	29.74%	2.884%
66	13.886	2005	2006	2009	rVB	181579	103593	2.79%	0.271%
67	14.039	2030	2032	2037	rVB2	92050	88344	2.38%	0.231%
68	14.345	2081	2084	2086	rBV2	113169	99093	2.67%	0.259%
69	14.639	2132	2134	2136	rBV	95492	71876	1.94%	0.188%
70	14.874	2171	2174	2177	rBV	149295	197475	5.33%	0.516%
71	15.215	2229	2232	2235	rBV	95786	109397	2.95%	0.286%

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Instrument : BNA_F
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Integrator: RTE
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.274	2238	2242	2245	rBV	518828	597540	16.11%	1.563%

Sum of corrected areas: 38240720

LSC Report - Integrated Chromatogram

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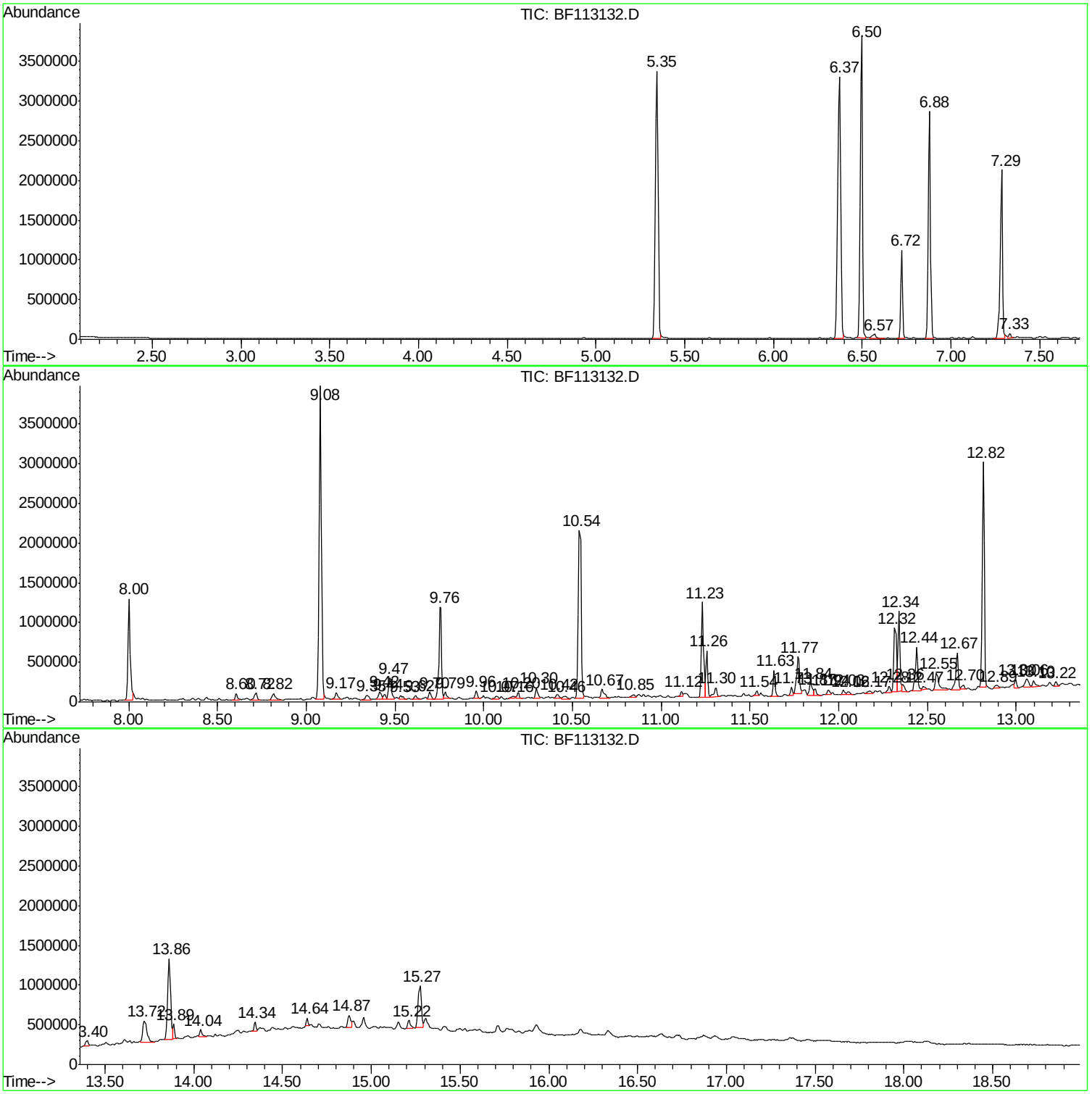
Sample : K1951-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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\BF031919\
Data File : BF113132.D
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Operator : JU/SJ
Sample : K1951-03
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Instrument : BNA_F
ClientSampleId : FK-GF-03-006-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

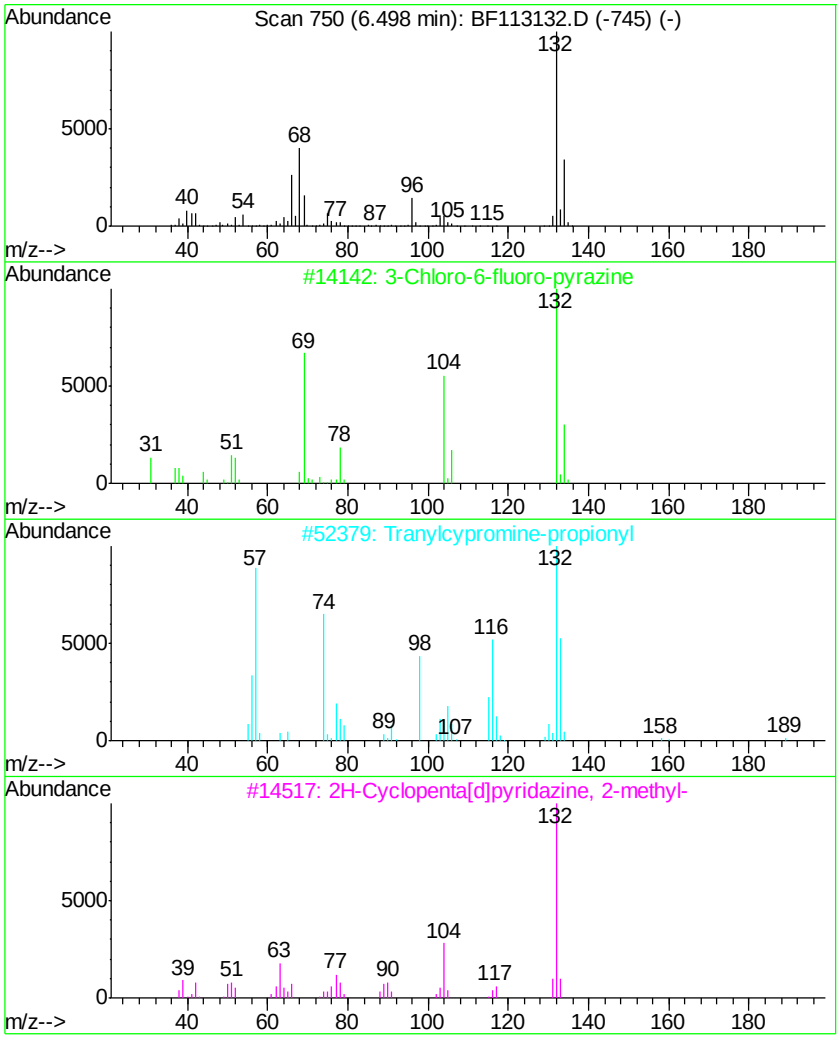
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

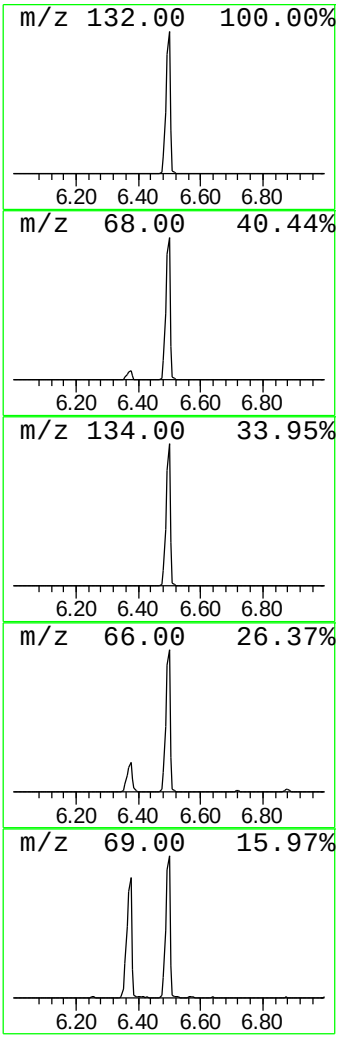
****

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	83.59 ng	3658200	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	Xenon	132	Xe	007440-63-3	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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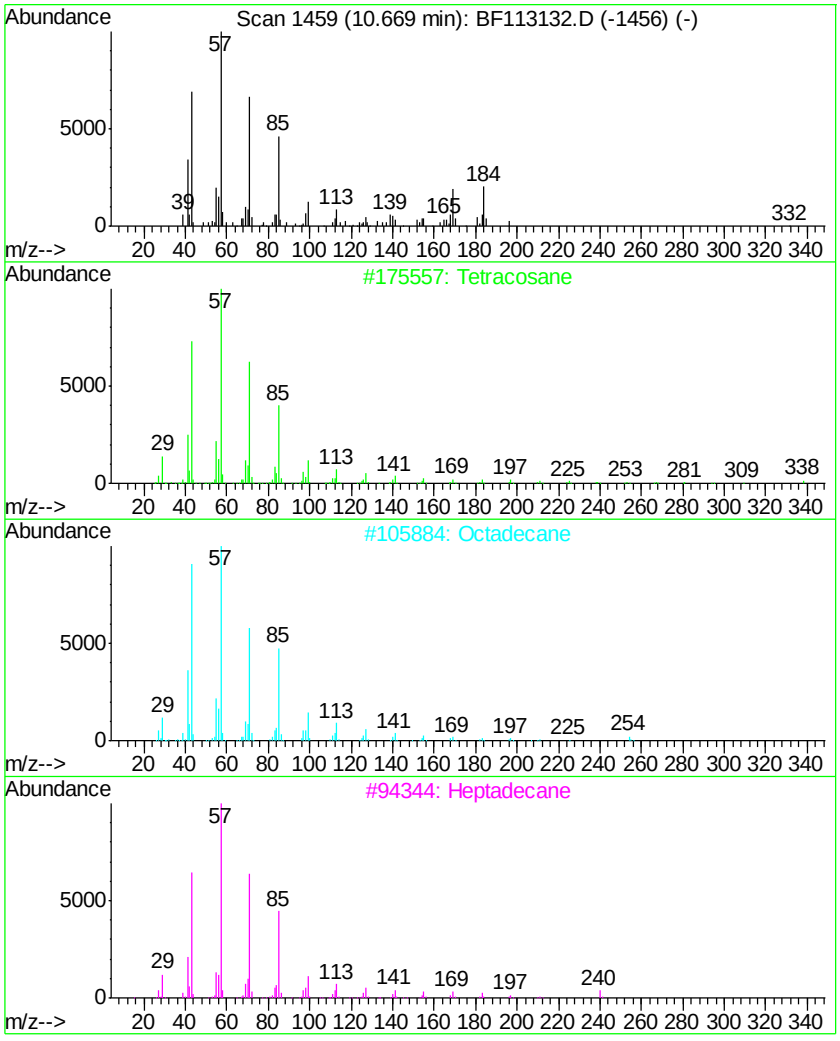
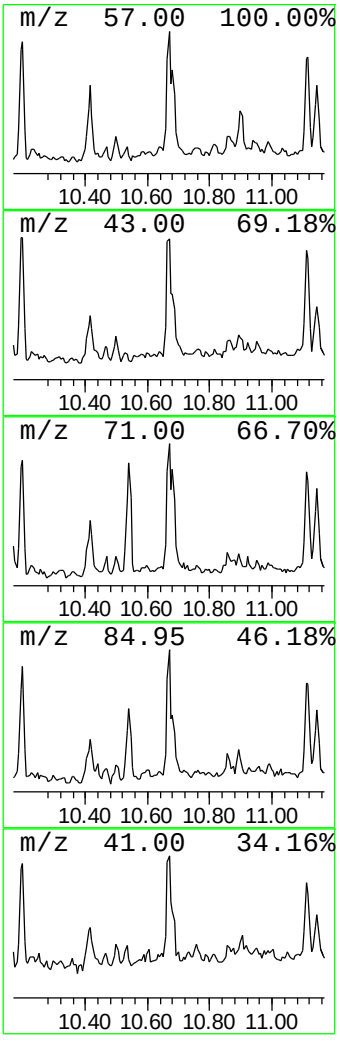
Peak Number 3 Tetracosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	2.81 ng	146470	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	58
2	Octadecane	254	C18H38	000593-45-3	52
3	Heptadecane	240	C17H36	000629-78-7	52
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	52
5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113132.D
Acq On : 19 Mar 2019 18:18
Operator : JU/SJ
Sample : K1951-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

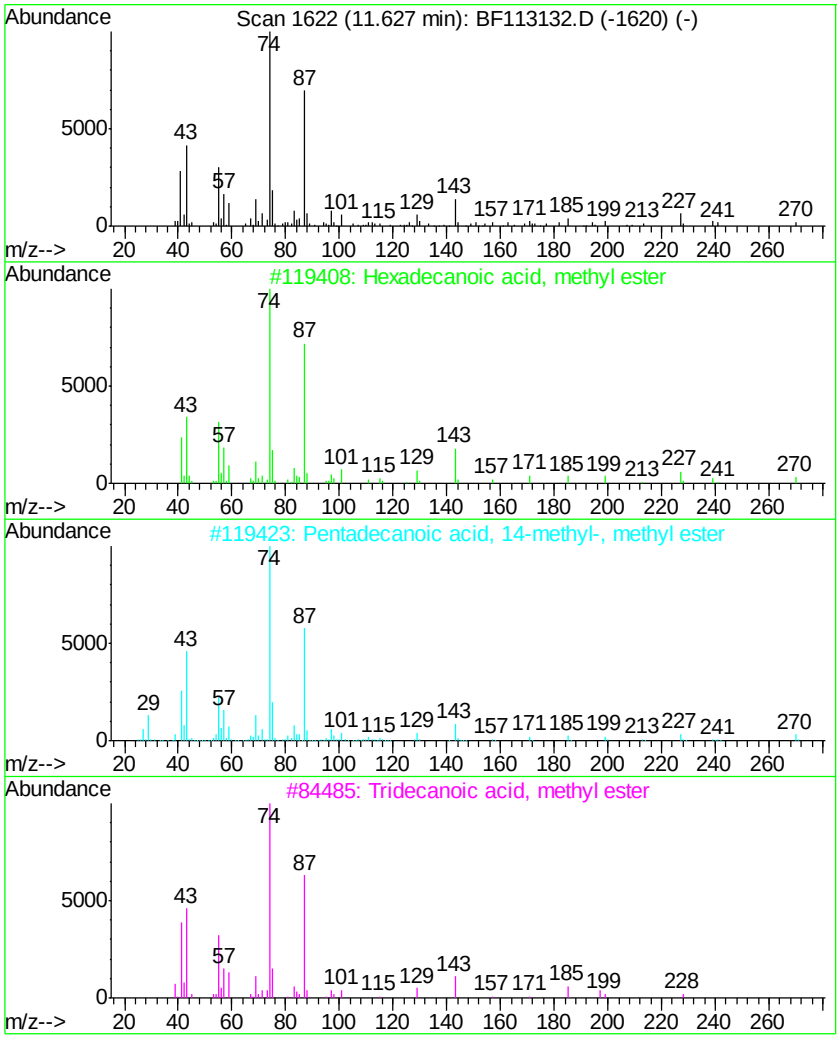
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

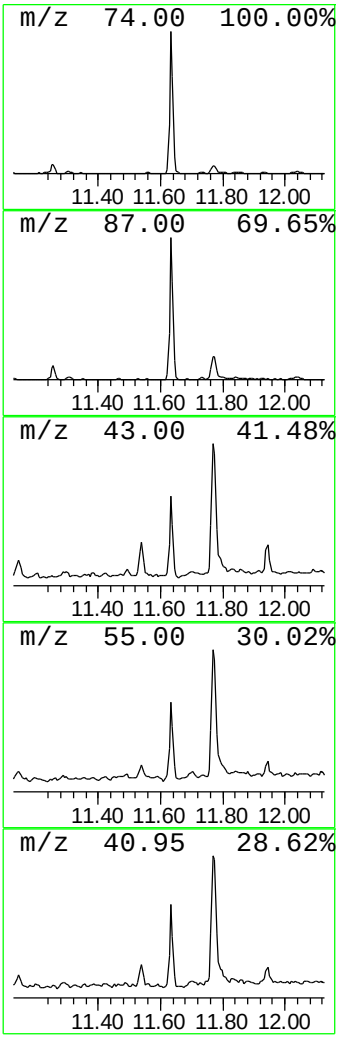
****

Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	5.47 ng	285506	Phenanthrene-d10	11.23

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	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83





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TIC Library : C:\DATABASE\NIST11.L
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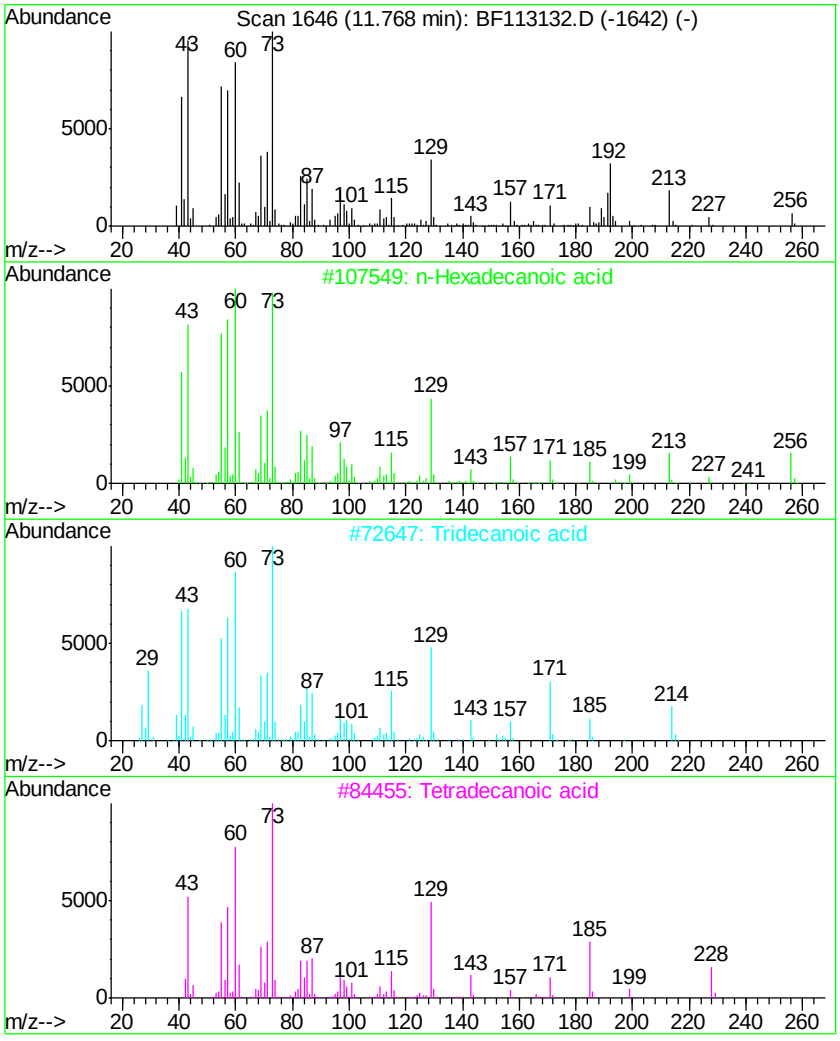
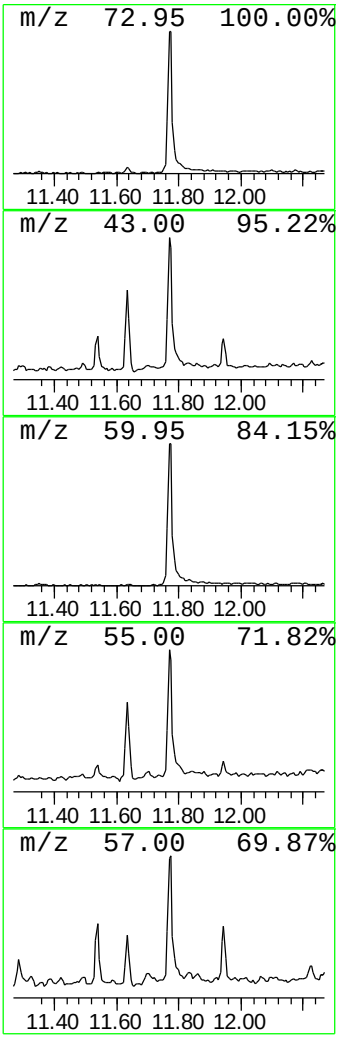
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	9.97 ng	520105	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
5	Dodecanoic acid	200	C12H24O2	000143-07-7	53





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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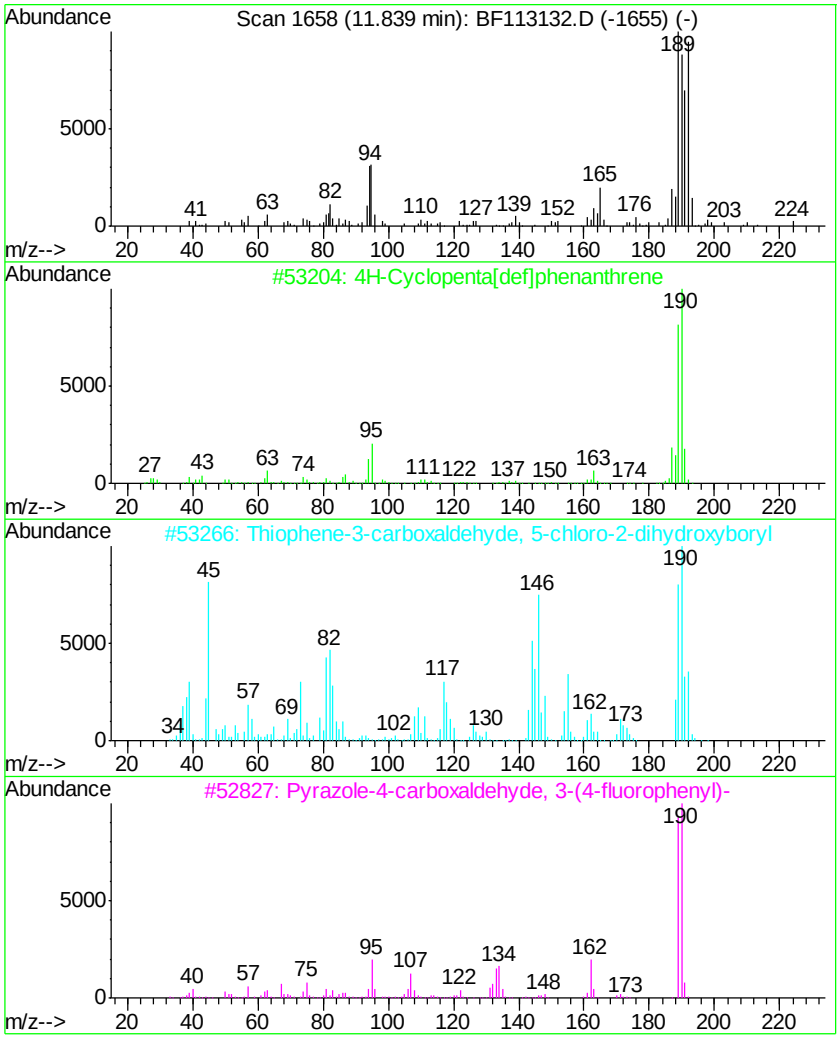
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

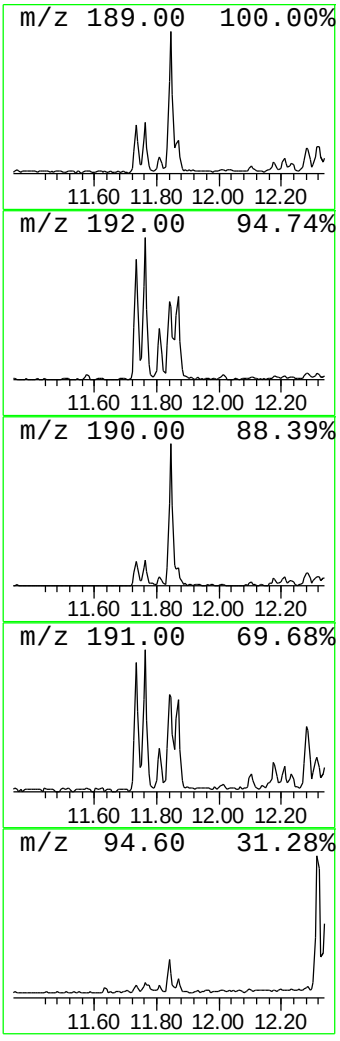
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	3.68 ng	192106	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	49
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	46
5	Methyl diselenide	190	C2H6Se2	007101-31-7	35





Library Search Compound Report

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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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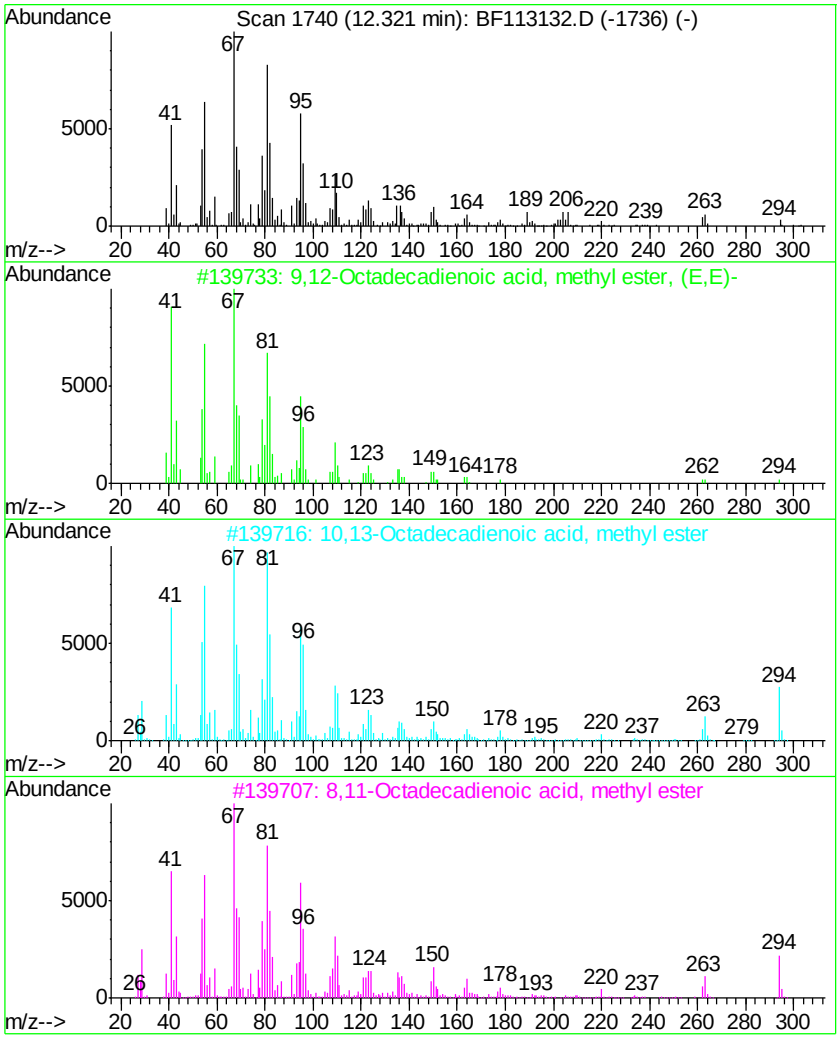
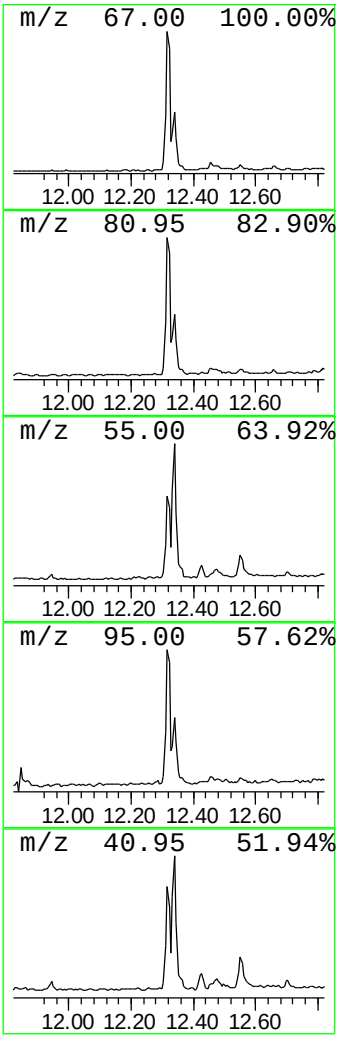
Peak Number 7 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	14.80 ng	771653	Phenanthrene-d10	11.23

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	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	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





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ClientSampleId : FK-GF-03-006-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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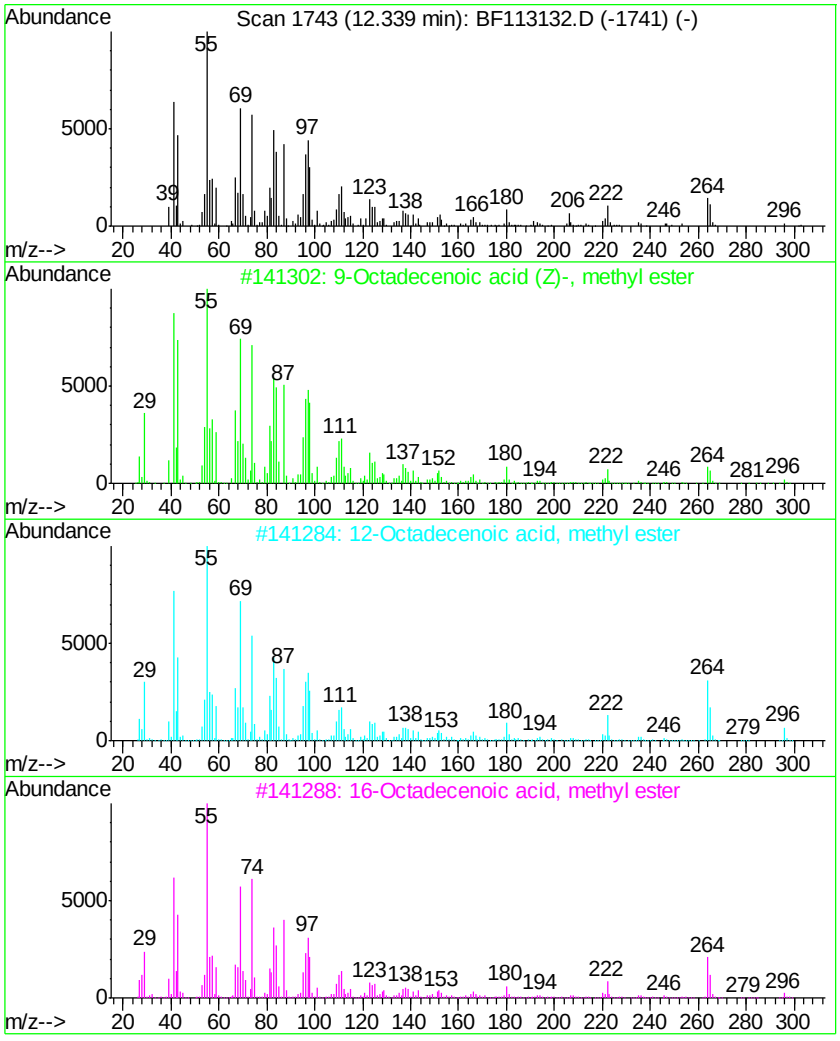
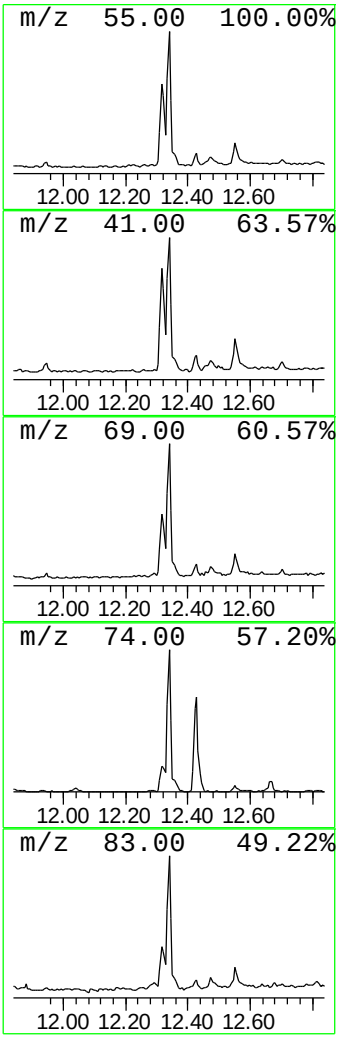
Peak Number 8 9-Octadecenoic acid (Z)-, m... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	15.82 ng	825234	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
3	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
5	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113132.D
Acq On : 19 Mar 2019 18:18
Operator : JU/SJ
Sample : K1951-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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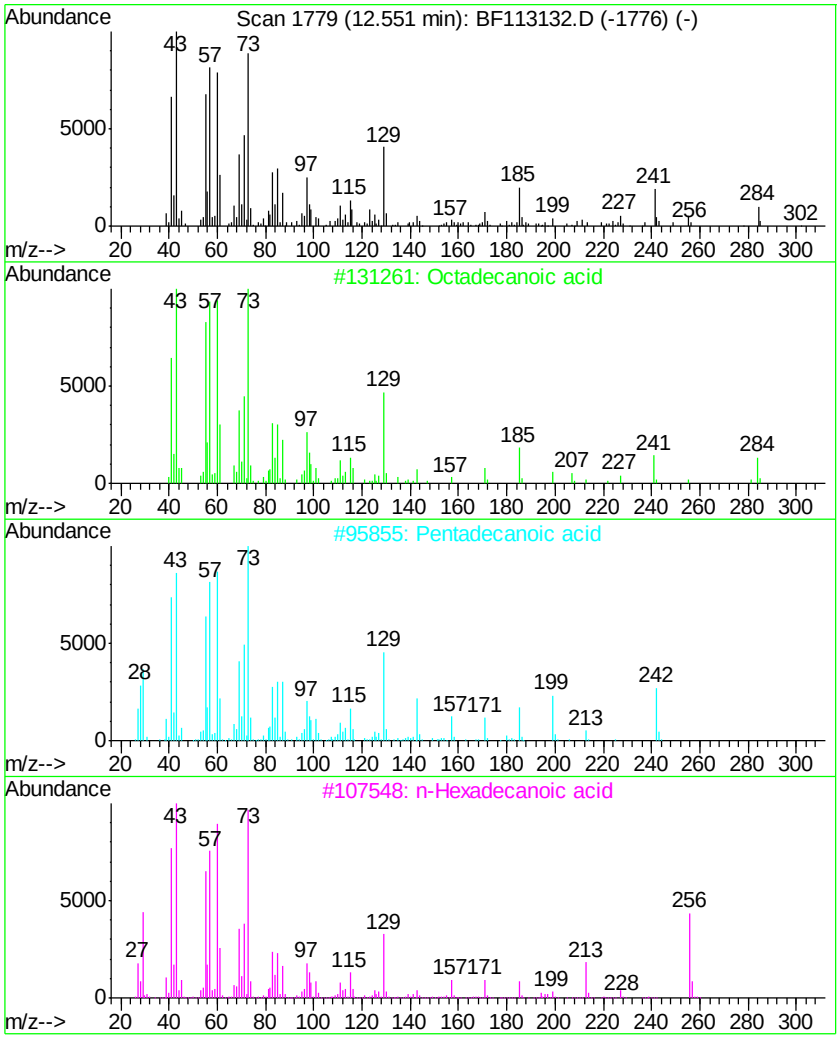
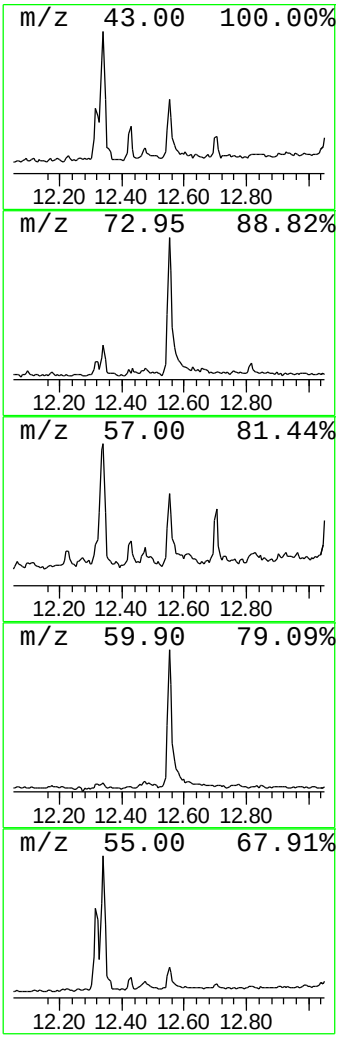
Peak Number 9 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	4.50 ng	248365	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58





Library Search Compound Report

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Data File : BF113132.D
Acq On : 19 Mar 2019 18:18
Operator : JU/SJ
Sample : K1951-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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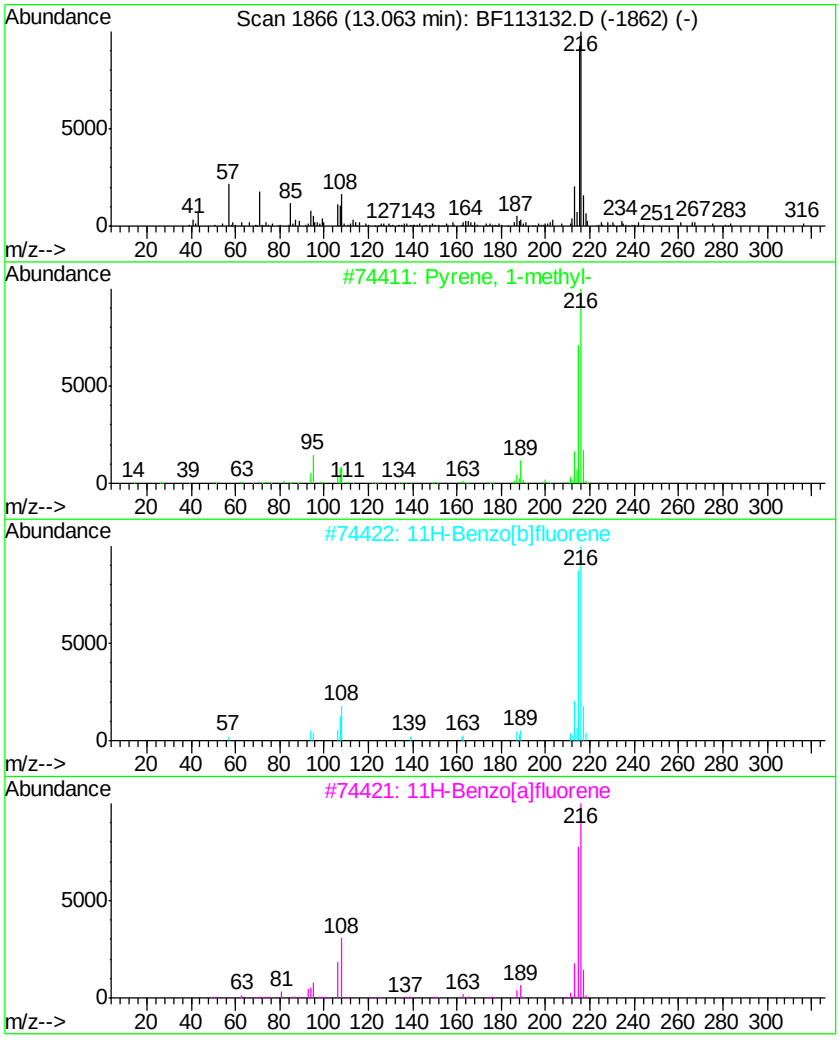
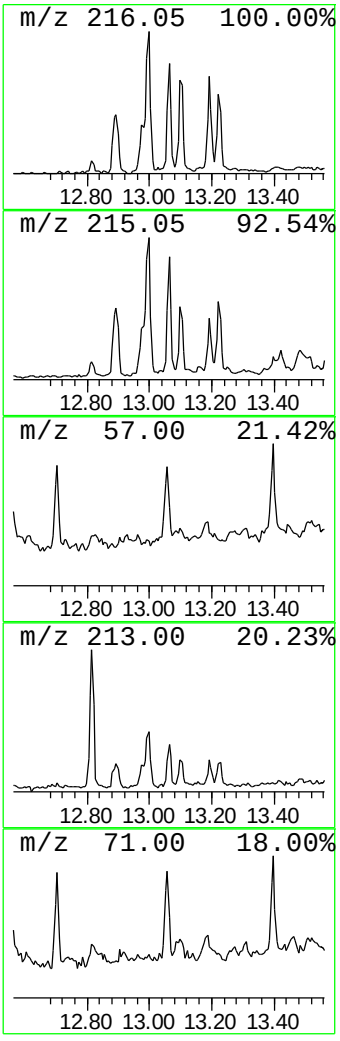
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.32 ng	127851	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	72





Library Search Compound Report

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Data File : BF113132.D
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Operator : JU/SJ
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-B

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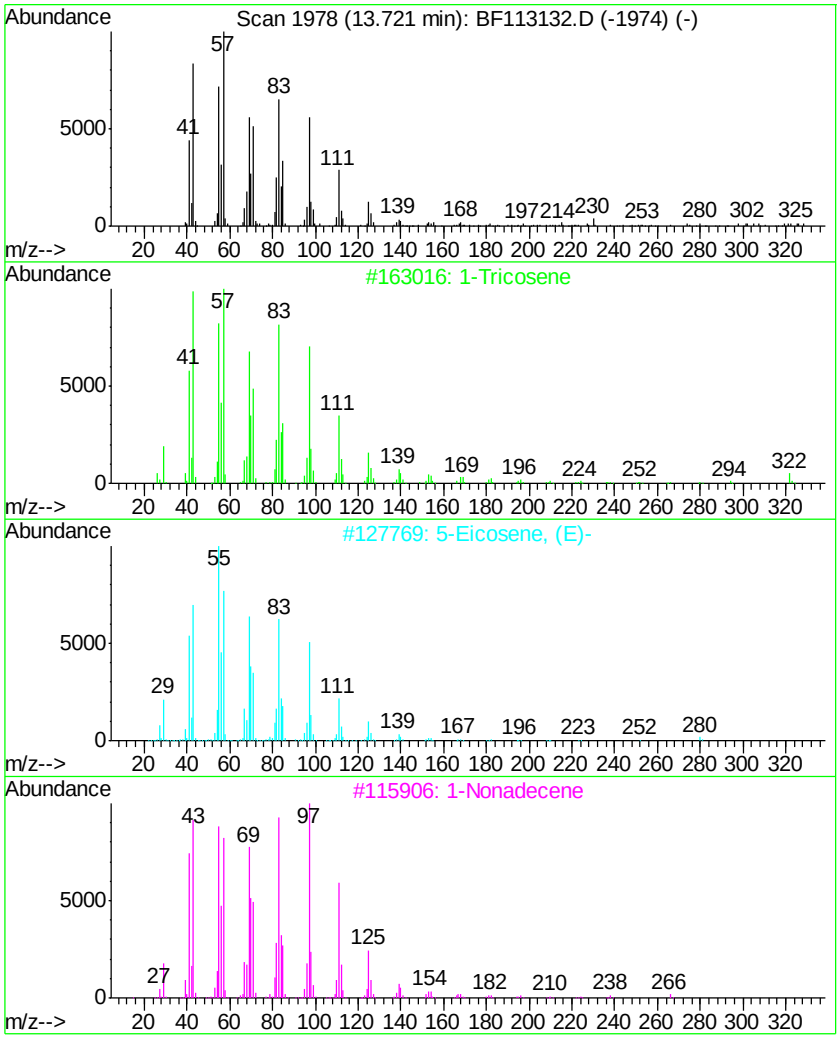
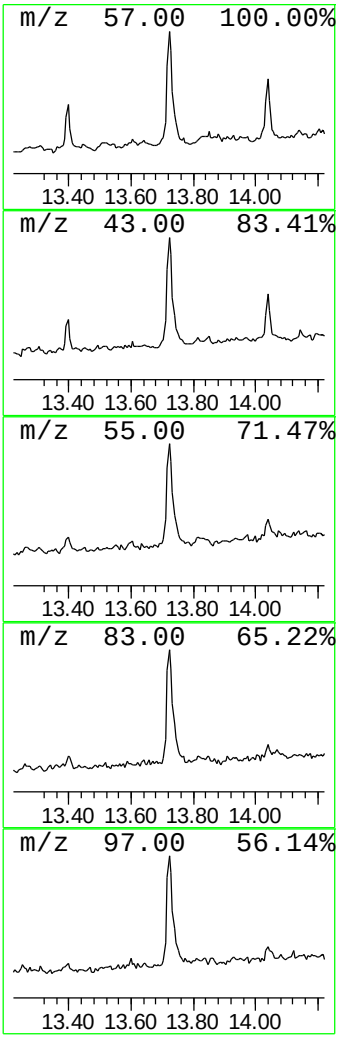
Peak Number 11 1-Tricosene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	7.29 ng	402002	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tricosene	322	C23H46	018835-32-0	97
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	96
3	1-Nonadecene	266	C19H38	018435-45-5	95
4	1-Eicosene	280	C20H40	003452-07-1	93
5	9-Tricosene, (Z)-	322	C23H46	027519-02-4	93





Library Search Compound Report

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Operator : JU/SJ
Sample : K1951-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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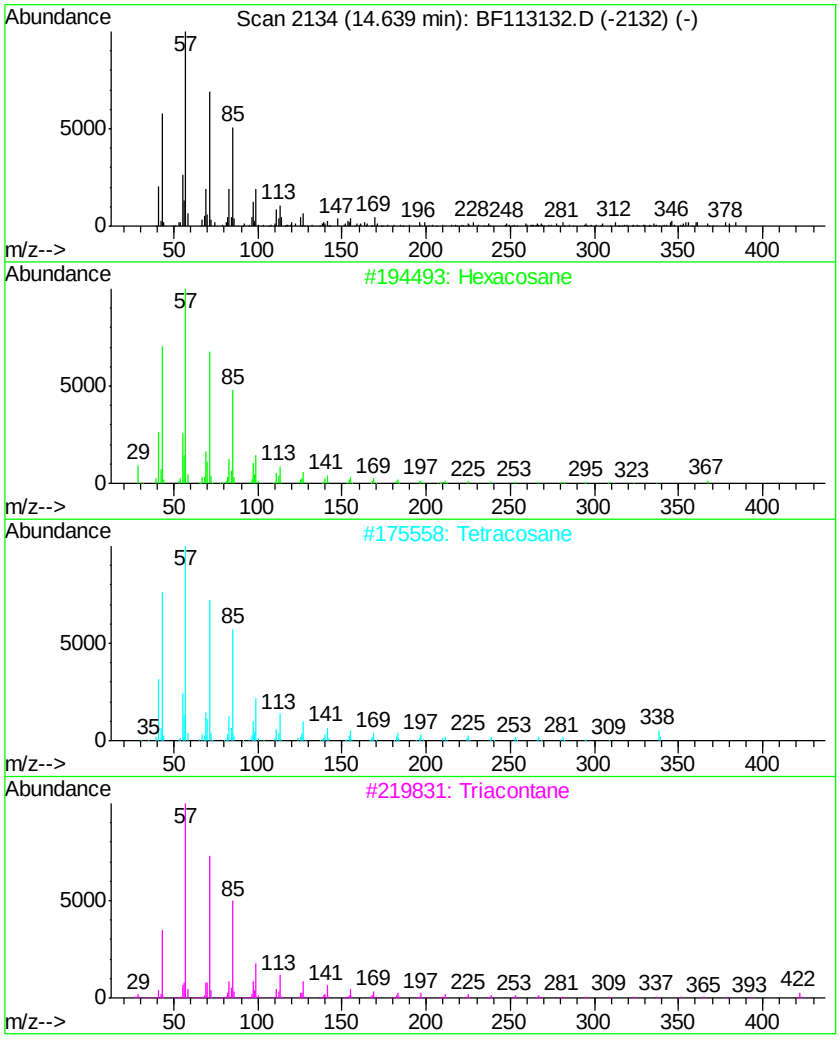
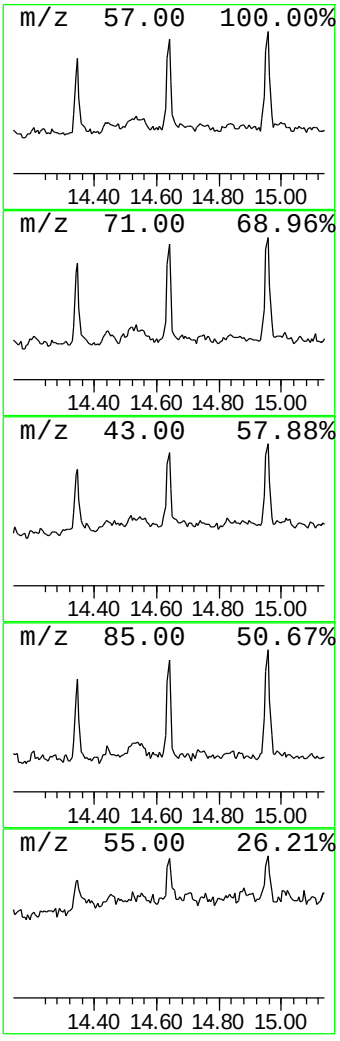
Peak Number 12 Hexacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	2.41 ng	71876	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	86
2	Tetracosane	338	C24H50	000646-31-1	86
3	Triacontane	422	C30H62	000638-68-6	86
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	86
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	80





Tentatively Identified Compound (LSC) summary

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Operator : JU/SJ
Sample : K1951-03
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.50	6.50	83.6	ng	3658200	1	6.72	875256	20.0
Tetracosane	10.67	2.8	ng	146470	4	11.23	1043080	20.0
Hexadecanoic acid...	11.63	5.5	ng	285506	4	11.23	1043080	20.0
n-Hexadecanoic acid	11.77	10.0	ng	520105	4	11.23	1043080	20.0
4H-Cyclopenta[def...	11.84	3.7	ng	192106	4	11.23	1043080	20.0
9,12-Octadecadien...	12.32	14.8	ng	771653	4	11.23	1043080	20.0
9-Octadecenoic ac...	12.34	15.8	ng	825234	4	11.23	1043080	20.0
Octadecanoic acid	12.55	4.5	ng	248365	5	13.86	1102670	20.0
Pyrene, 1-methyl-	13.06	2.3	ng	127851	5	13.86	1102670	20.0
1-Tricosene	13.72	7.3	ng	402002	5	13.86	1102670	20.0
Hexacosane	14.64	2.4	ng	71876	6	15.27	597540	20.0