LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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	5.351	549	555	558	rBV	4676810	5211000	97.52%	9.853%
2	6.369	723	728	731	rBV	4612359	5336049	99.86%	10.089%
3	6.504	746	751	754	rBV	5359907	5343738	100.00%	10.104%
4	6.733	786	790	793	rBV	1461831	1283956	24.03%	2.428%
5	6.886	812	816	820	rBV	4202985	4086103	76.47%	7.726%
6	7.292	879	885	888	rBV	3395884	3363937	62.95%	6.360%
7	8.010	1003	1007	1014	rBV	1586050	1505700	28.18%	2.847%
8	9.086	1185	1190	1201	rBV	4777891	4534471	84.86%	8.574%
9	9.480	1253	1257	1263	rBV	355100	327455	6.13%	0.619%
10	9.763	1300	1305	1308	rBV	1518278	1523142	28.50%	2.880%
11	9.792	1308	1310	1314	rVB	73016	67035	1.25%	0.127%
12	10.304	1394	1397	1403	rVB	63751	59419	1.11%	0.112%
13	10.545	1433	1438	1445	rBV	3104473	3095149	57.92%	5.852%
14	11.239	1552	1556	1558	rBV	1425665	1479068	27.68%	2.797%
15	11.257	1558	1559	1564	rVV	635547	533920	9.99%	1.010%
16	11.310	1564	1568	1573	rVB	125713	129004	2.41%	0.244%
17	11.463	1590	1594	1598	rBV2	59022	69322	1.30%	0.131%
18	11.739	1638	1641	1643	rBV	77531	68715	1.29%	0.130%
19	11.774	1643	1647	1651	rBV2	572673	613192	11.47%	1.159%
20	11.845	1656	1659	1662	rBV	108826	111615	2.09%	0.211%
21	12.051	1692	1694	1700	rVB	68205	65147	1.22%	0.123%
22	12.286	1727	1734	1737	rBV	59239	76483	1.43%	0.145%
23	12.363	1745	1747	1752	rVB4	44695	54955	1.03%	0.104%
24	12.439	1757	1760	1764	rBV	740035	719213	13.46%	1.360%
25	12.557	1778	1780	1790	rBV4	172279	275074	5.15%	0.520%
26	12.668	1793	1799	1805	rVV	648348	767865	14.37%	1.452%
27	12.721	1805	1808	1814	rVB3	38052	61795	1.16%	0.117%
28	12.815	1820	1824	1828	rVB	3736047	3636026	68.04%	6.875%
29	12.892	1831	1837	1840	rBV2	48839	81710	1.53%	0.154%
30	12.974	1844	1851	1852	rBV4	43401	62280	1.17%	0.118%
31	12.998	1852	1855	1859	rVB	106981	104810	1.96%	0.198%
32	13.062	1859	1866	1869	rBV	102331	127984	2.40%	0.242%
33	13.098	1869	1872	1875	rBV	87371	87273	1.63%	0.165%
34	13.304	1903	1907	1912	rBV5	57444	69461	1.30%	0.131%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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	13.498	1938	1940	1946	rVB	62288	83094	1.55%	0.157%
36	13.609	1955	1959	1962	rBV2	65057	98718	1.85%	0.187%
37	13.727	1972	1979	1985	rBV2	229950	345763	6.47%	0.654%
38	13.862	1994	2002	2004	rBV2	1705398	2050394	38.37%	3.877%
39	13.886	2004	2006	2012	rVB	337267	315447	5.90%	0.596%
40	13.962	2014	2019	2024	rBV3	55266	94853	1.78%	0.179%
41	14.045	2030	2033	2036	rVB2	78400	69269	1.30%	0.131%
42	14.245	2064	2067	2070	rBV	66572	64150	1.20%	0.121%
43	14.351	2081	2085	2090	rBV4	168216	328906	6.15%	0.622%
44	14.639	2131	2134	2141	rVB	142419	168649	3.16%	0.319%
45	14.709	2143	2146	2150	rVB3	86607	98461	1.84%	0.186%
46	14.868	2169	2173	2176	rBV	279679	429305	8.03%	0.812%
47	14.956	2184	2188	2191	rBV2	311856	381167	7.13%	0.721%
48	14.986	2191	2193	2202	rVB	140830	225884	4.23%	0.427%
49	15.145	2217	2220	2226	rVB	153355	175287	3.28%	0.331%
50	15.204	2226	2230	2235	rVB	203605	240088	4.49%	0.454%
51	15.262	2235	2240	2245	rBV	1242870	1597066	29.89%	3.020%
52	15.315	2246	2249	2253	rVB	181042	209835	3.93%	0.397%
53	15.715	2313	2317	2322	rVB	222746	307004	5.75%	0.580%
54	15.780	2324	2328	2334	rVV5	60417	117230	2.19%	0.222%
55	16.186	2393	2397	2408	rVB2	104333	195272	3.65%	0.369%
56	16.450	2438	2442	2449	rVB6	45853	86252	1.61%	0.163%
57	16.615	2466	2470	2476	rBV2	66566	120738	2.26%	0.228%
58	17.380	2595	2600	2608	rVB5	69843	154035	2.88%	0.291%

Sum of corrected areas: 52888933

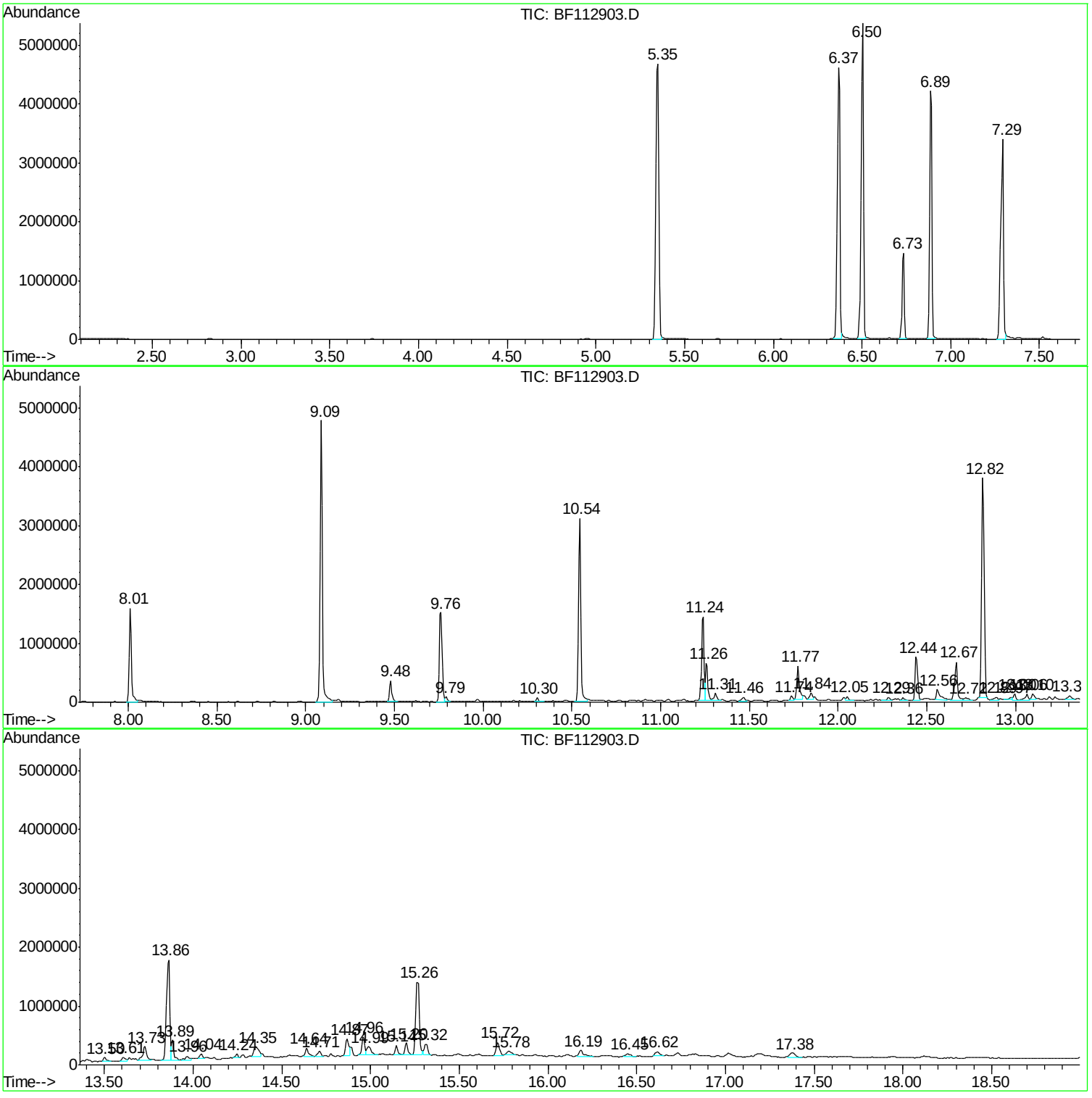
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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

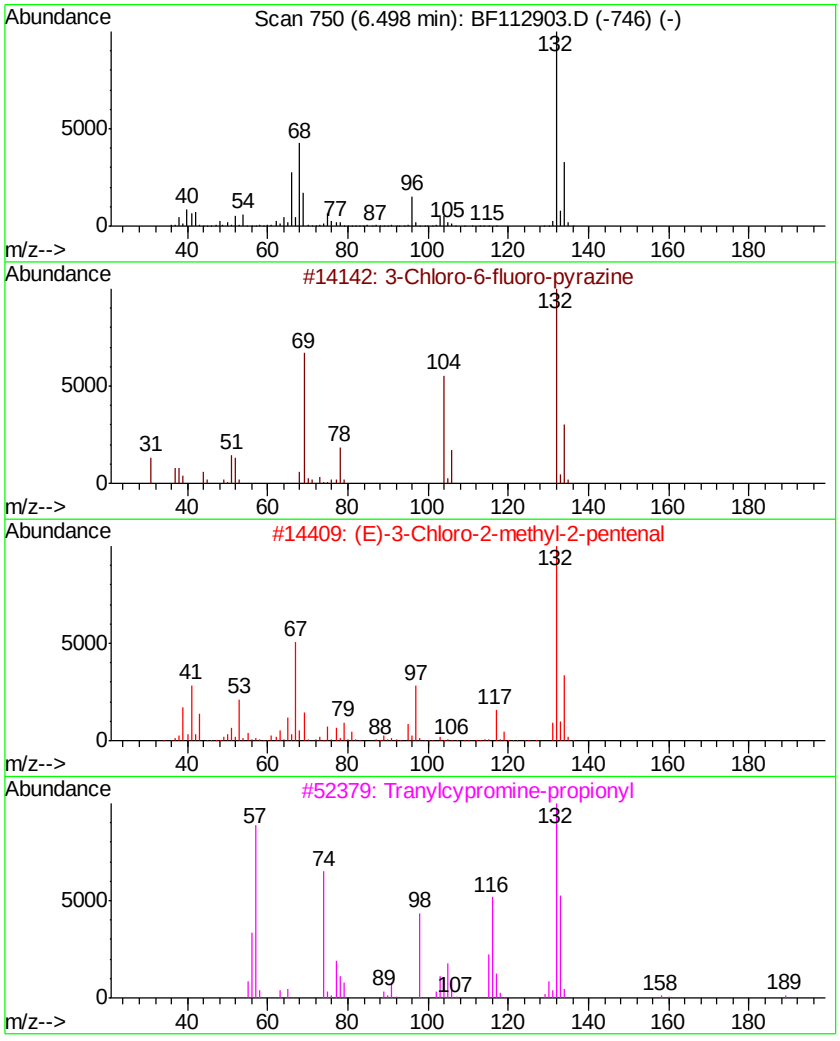
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

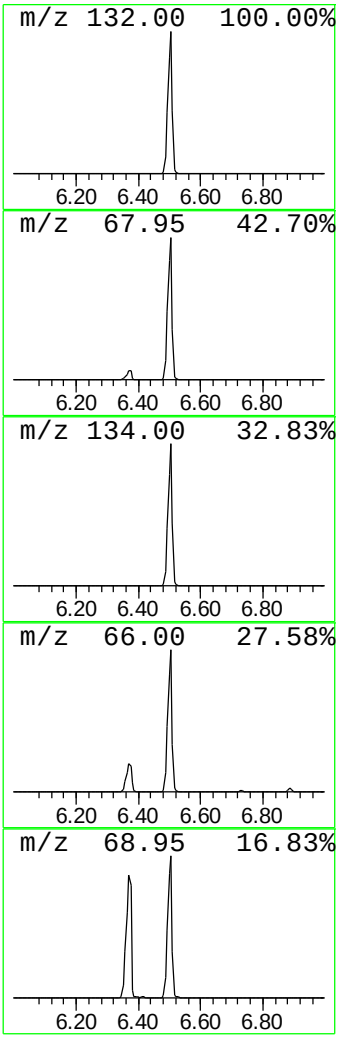
****

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	83.24 ng	5343740	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW009-022719

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

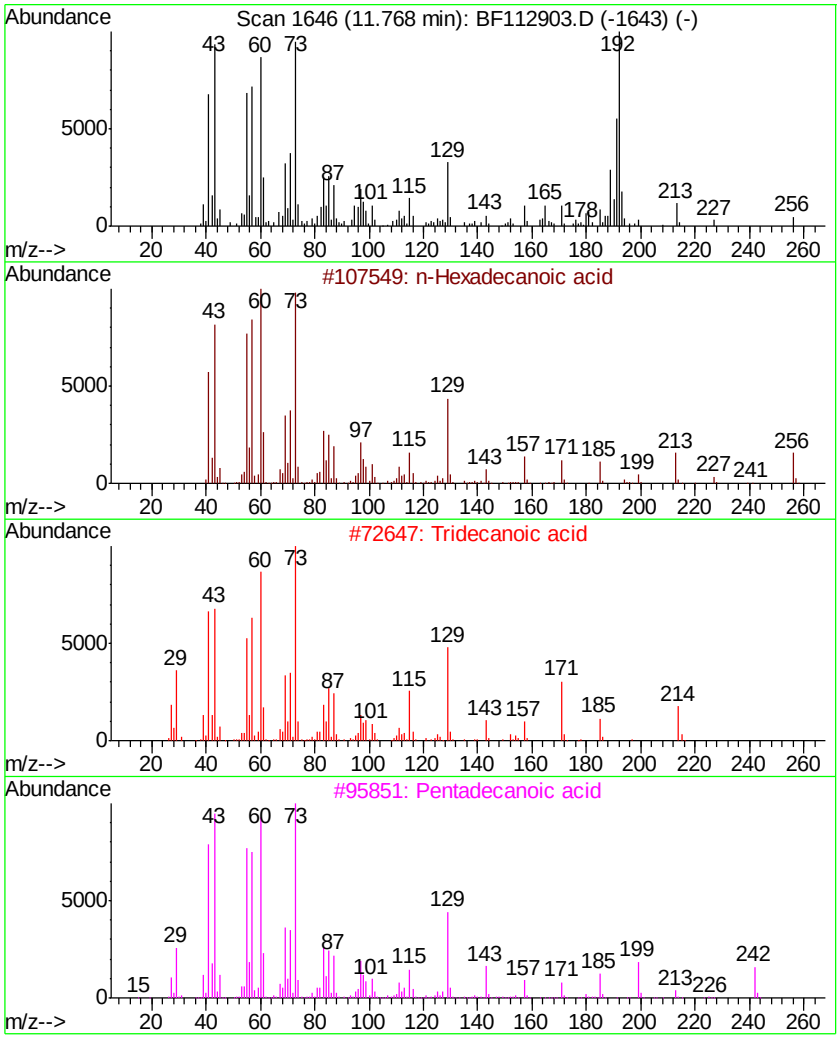
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

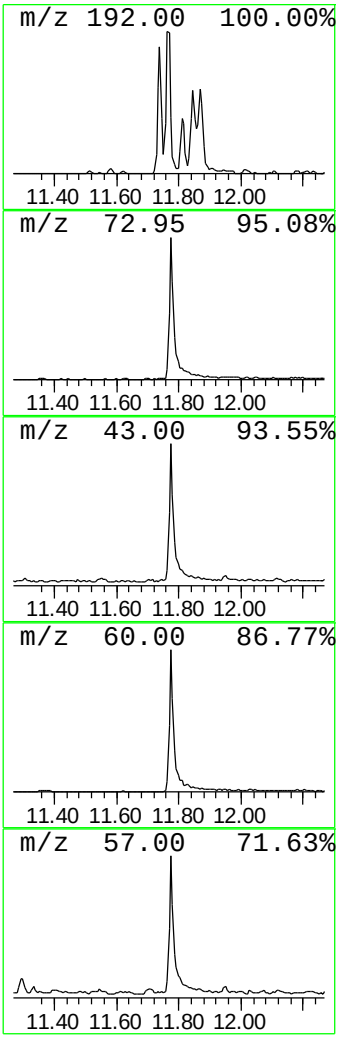
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	8.29 ng	613192	Phenanthrene-d10	11.24

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	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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

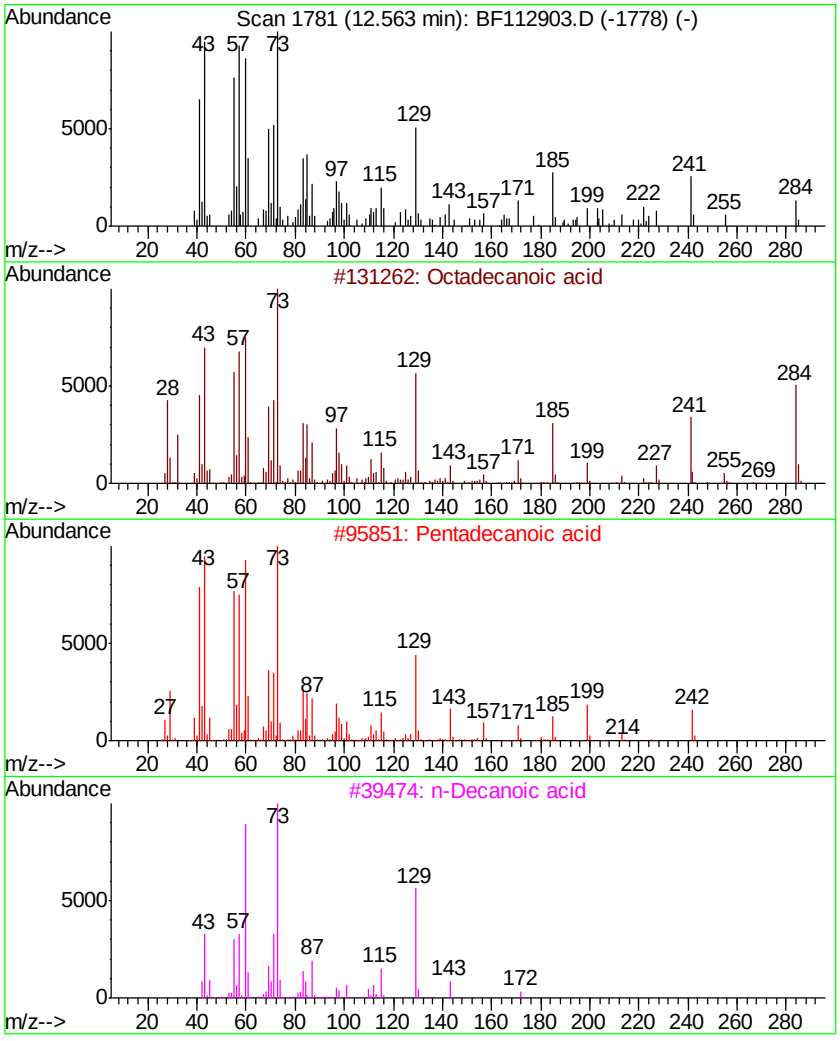
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

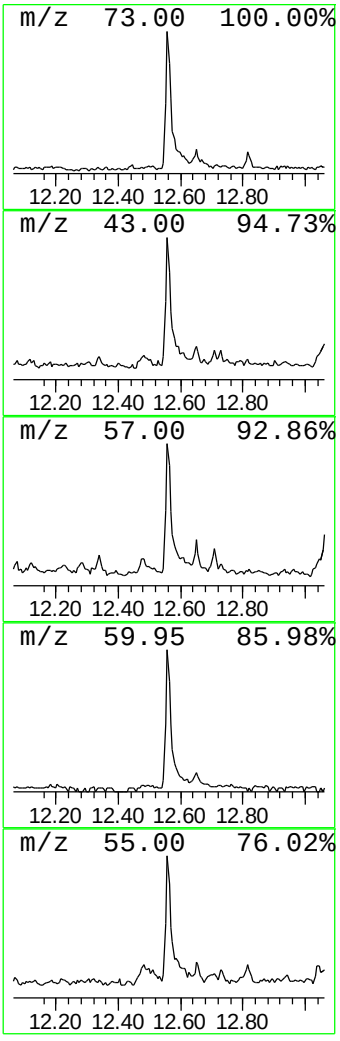
****

Peak Number 4 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	2.68 ng	275074	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	n-Decanoic acid	172	C10H20O2	000334-48-5	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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

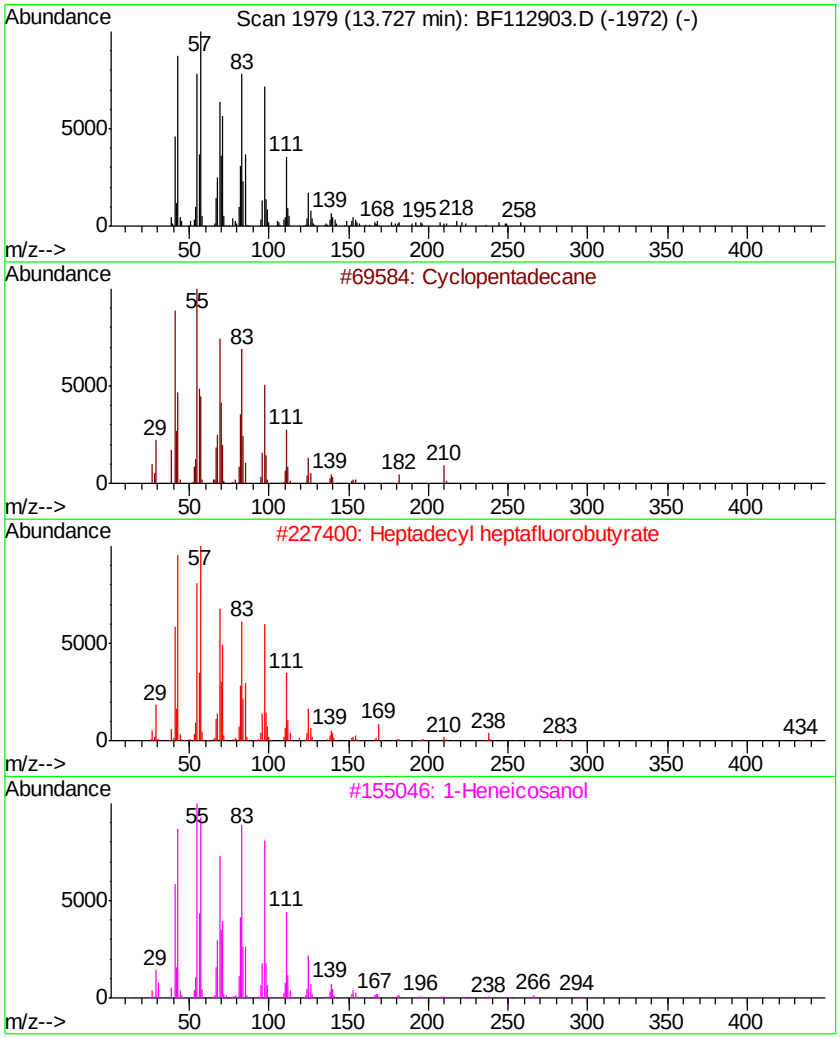
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

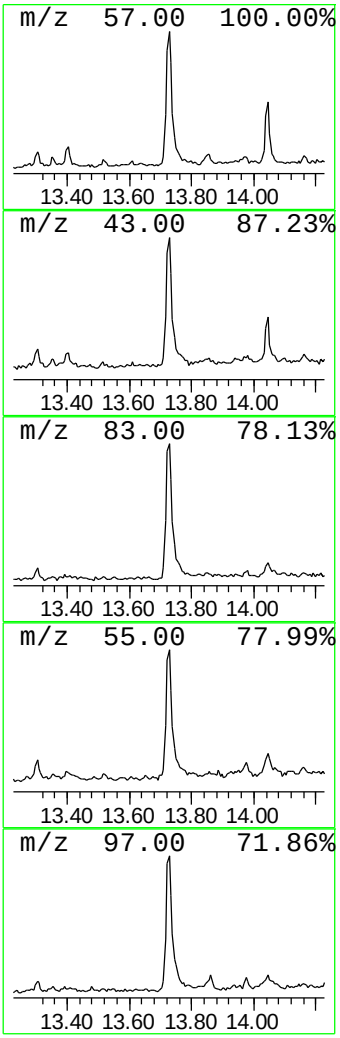
****

Peak Number 5 Cyclopentadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	3.37 ng	345763	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	95
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3	1-Heneicosanol	312	C21H44O	015594-90-8	93
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	93
5	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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

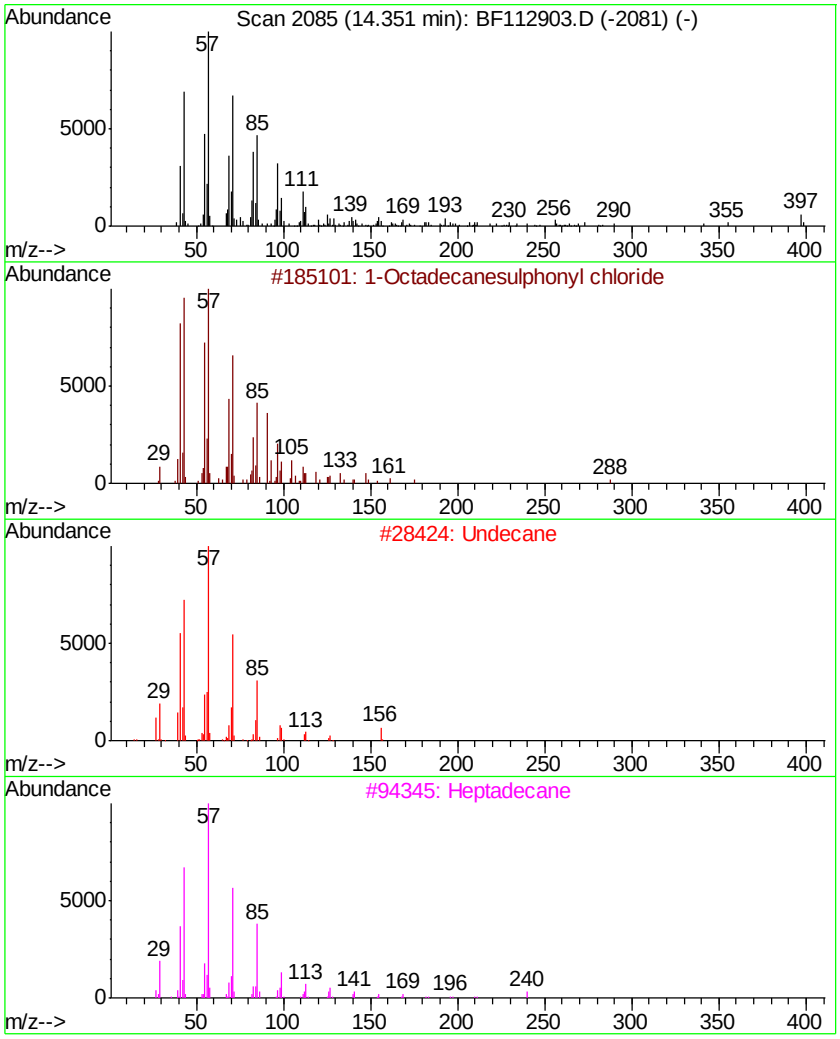
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

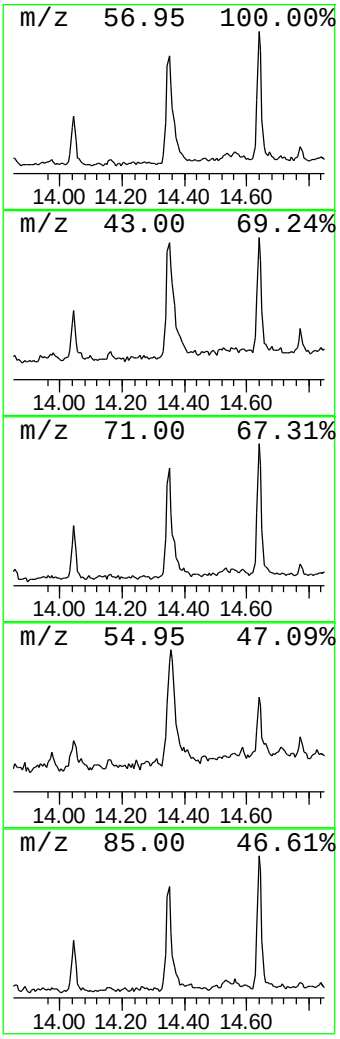
****

Peak Number 6 1-Octadecanesulphonyl chloride Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	3.21 ng	328906	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	90
2	Undecane	156	C11H24	001120-21-4	83
3	Heptadecane	240	C17H36	000629-78-7	70
4	Nonadecane	268	C19H40	000629-92-5	64
5	Hexadecane	226	C16H34	000544-76-3	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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

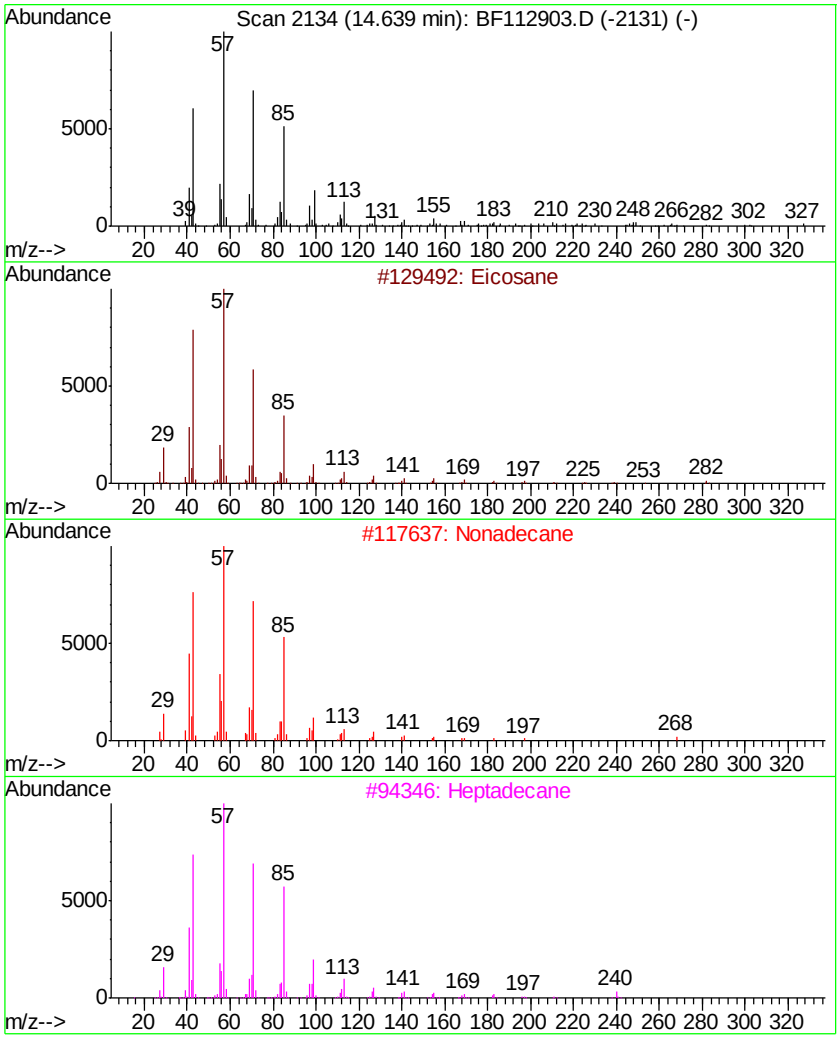
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

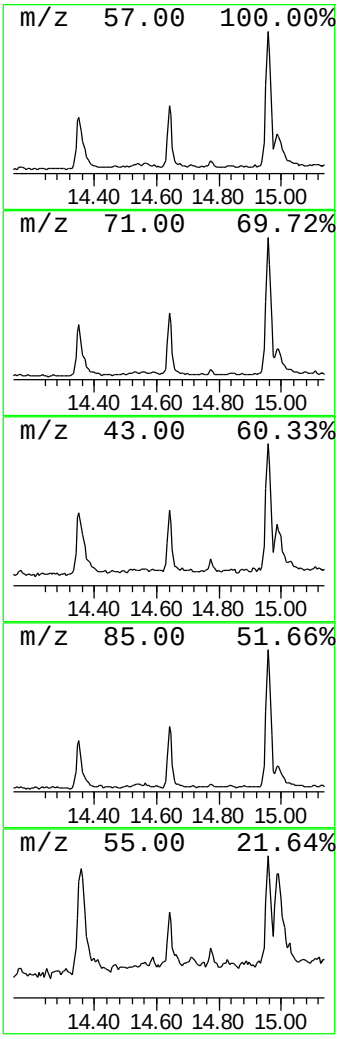
****

Peak Number 7 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	2.11 ng	168649	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Nonadecane	268	C19H40	000629-92-5	90
3	Heptadecane	240	C17H36	000629-78-7	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Pentadecane	212	C15H32	000629-62-9	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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

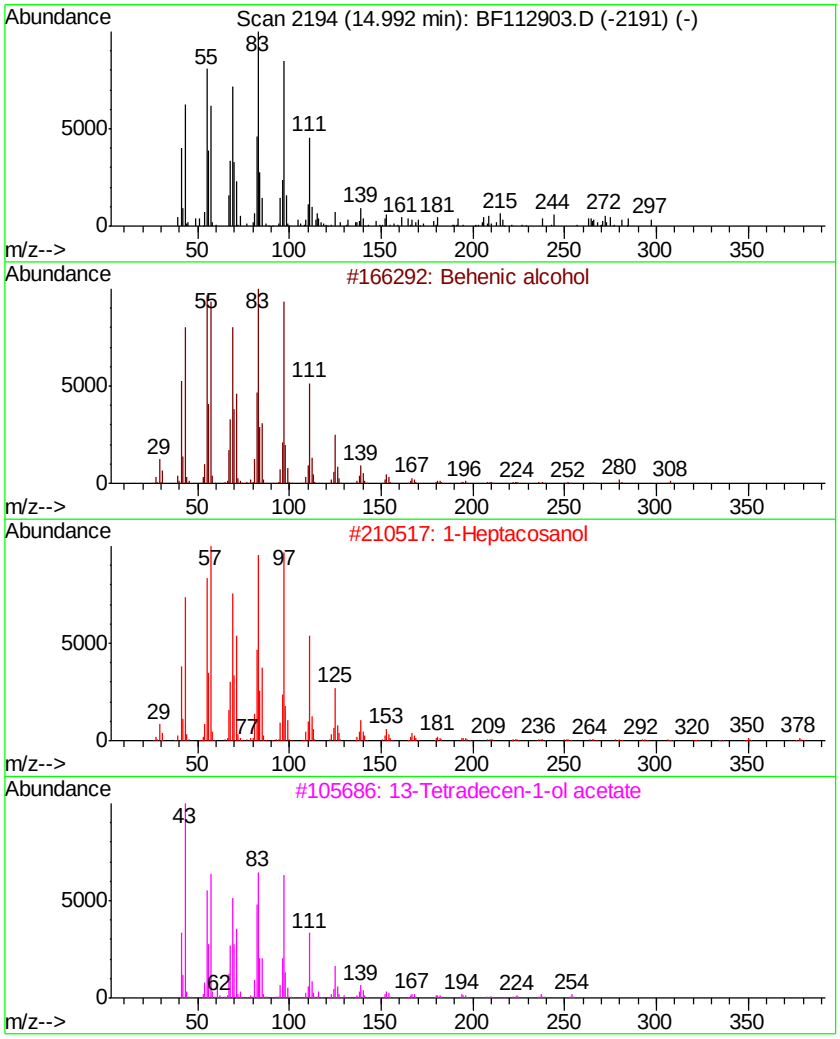
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

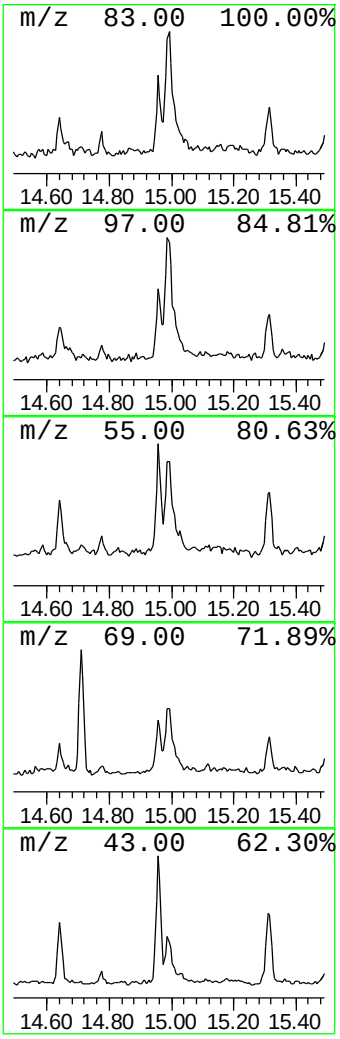
****

Peak Number 9 Behenic alcohol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	2.83 ng	225884	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	90
2	1-Heptacosanol	396	C27H56O	002004-39-9	83
3	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	72
4	1-Docosene	308	C22H44	001599-67-3	64
5	n-Heptadecanol-1	256	C17H36O	001454-85-9	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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

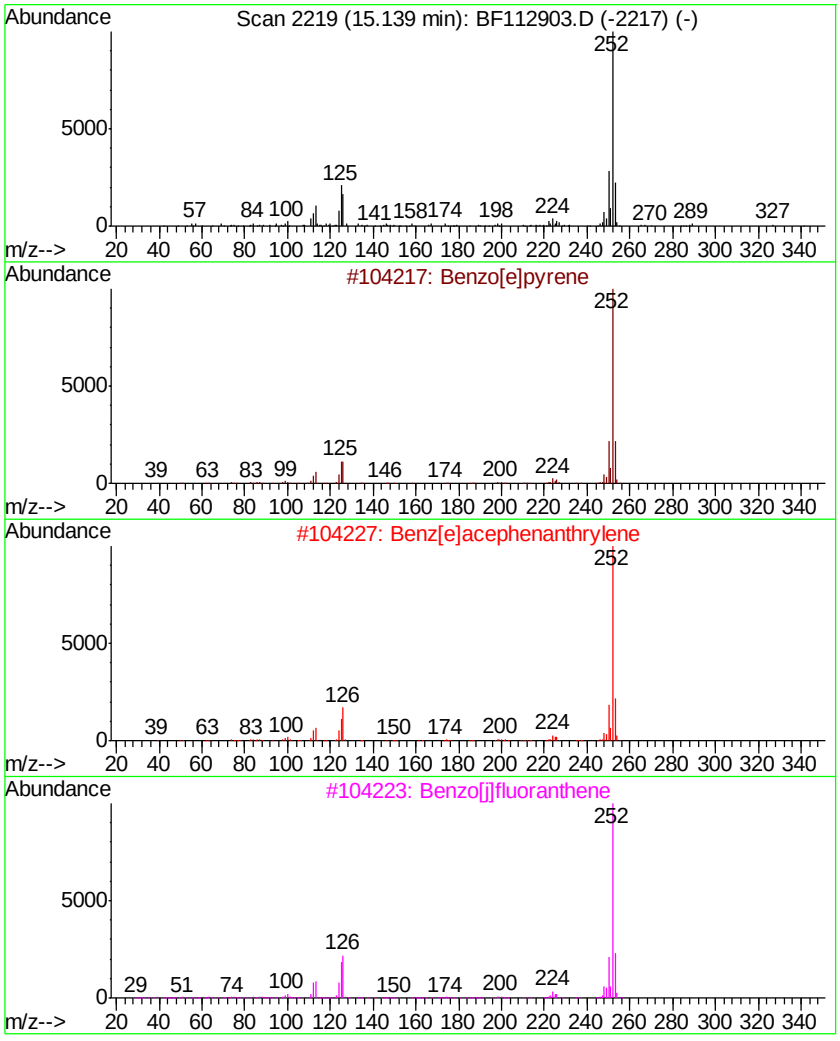
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

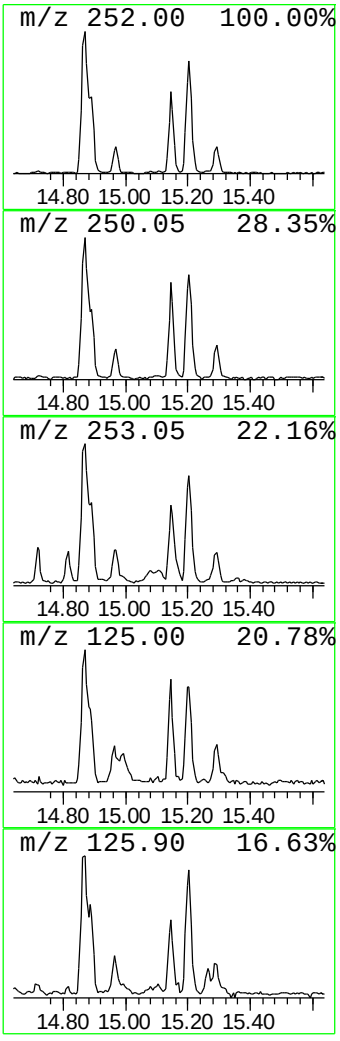
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	2.20 ng	175287	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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

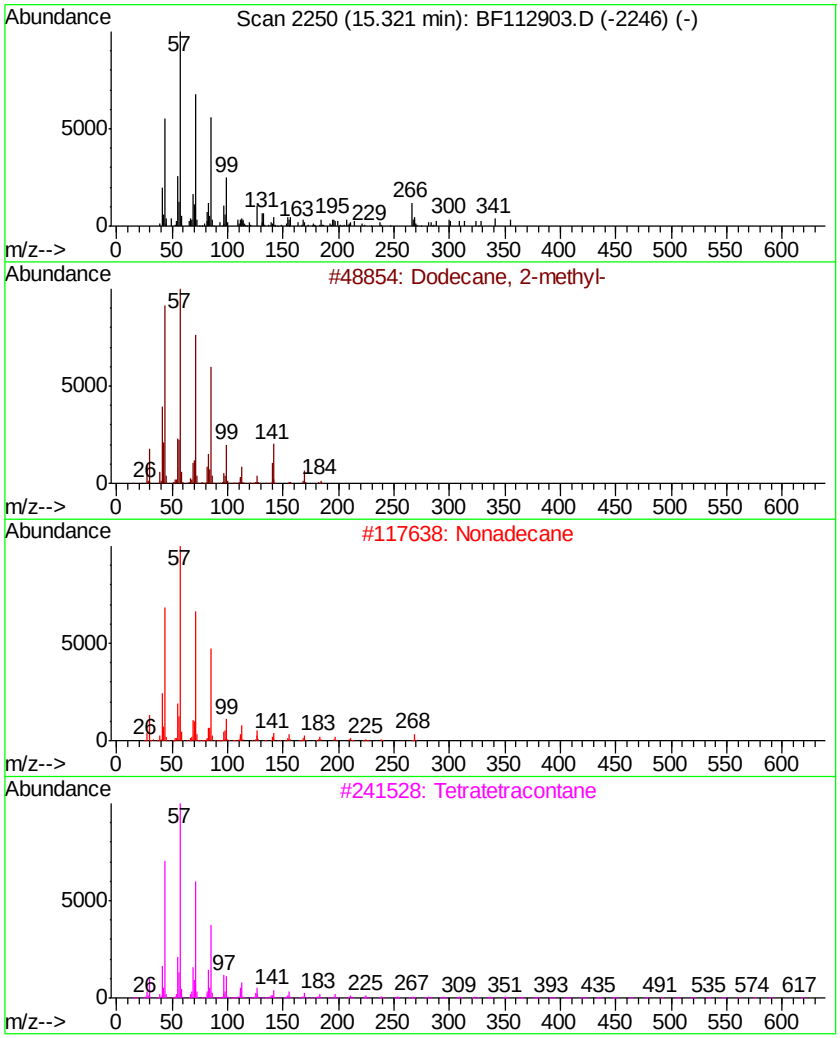
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

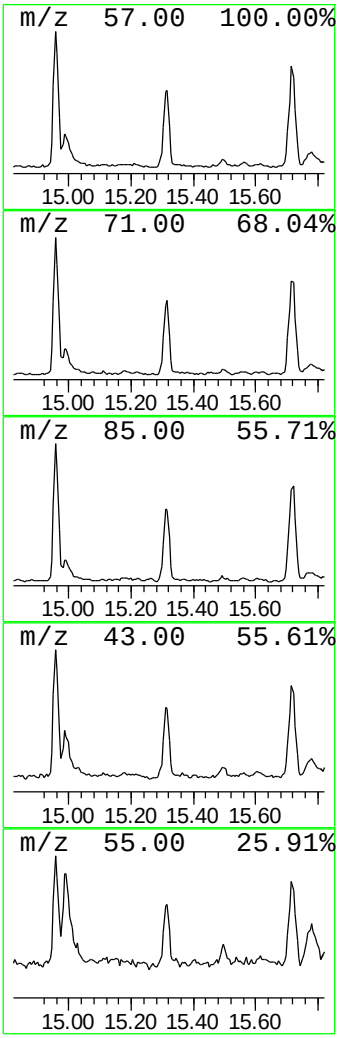
****

Peak Number 11 Dodecane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	2.63 ng	209835	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
2	Nonadecane	268	C19H40	000629-92-5	87
3	Tetratetracontane	619	C44H90	007098-22-8	83
4	Octacosane	394	C28H58	000630-02-4	83
5	Tetracosane	338	C24H50	000646-31-1	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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

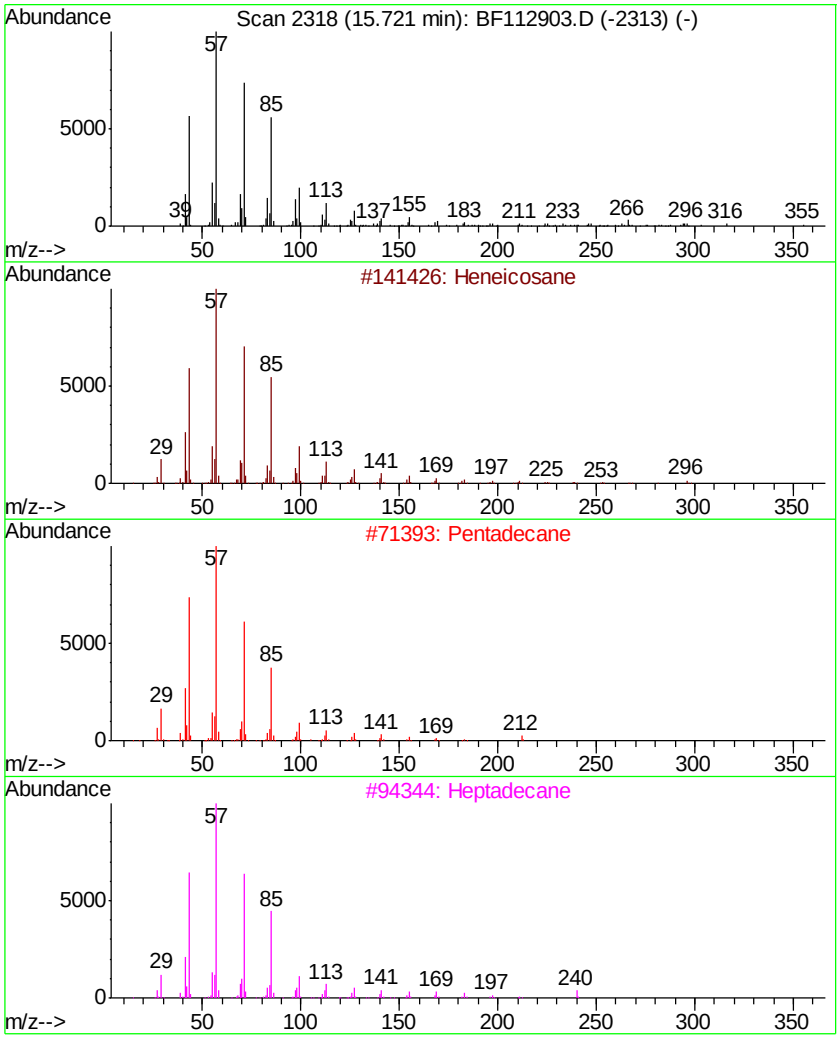
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

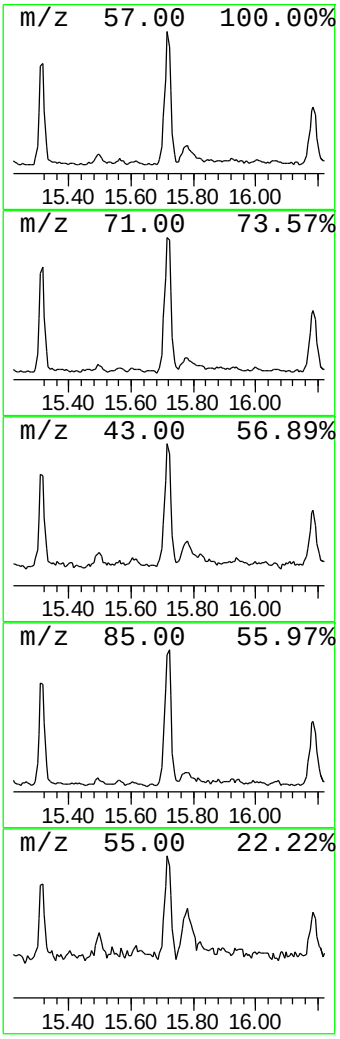
****

Peak Number 12 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	3.84 ng	307004	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Pentadecane	212	C15H32	000629-62-9	94
3	Heptadecane	240	C17H36	000629-78-7	94
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	91
5	Octadecane	254	C18H38	000593-45-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
Data File : BF112903.D
Acq On : 7 Mar 2019 1:37
Operator : JU/SJ
Sample : K1705-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EXT-028-SW009-022719

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.50	6.50	83.2	ng	5343740	1	6.73	1283960	20.0
n-Hexadecanoic acid	11.77	8.3	ng	613192	4	11.24	1479070	20.0
Octadecanoic acid	12.56	2.7	ng	275074	5	13.86	2050390	20.0
Cyclopentadecane	13.73	3.4	ng	345763	5	13.86	2050390	20.0
1-Octadecanesulph...	14.35	3.2	ng	328906	5	13.86	2050390	20.0
Eicosane	14.64	2.1	ng	168649	6	15.26	1597070	20.0
Behenic alcohol	14.99	2.8	ng	225884	6	15.26	1597070	20.0
Benzo[e]pyrene	15.14	2.2	ng	175287	6	15.26	1597070	20.0
Dodecane, 2-methyl-	15.32	2.6	ng	209835	6	15.26	1597070	20.0
Heneicosane	15.72	3.8	ng	307004	6	15.26	1597070	20.0