LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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	2.275	30	32	47	rVB5	10981	26732	1.44%	0.154%
2	5.087	506	510	520	rBV	88732	113385	6.09%	0.655%
3	5.481	572	577	580	rBV	1531794	1488646	80.01%	8.597%
4	6.487	743	748	753	rBV	1396435	1589266	85.42%	9.178%
5	6.628	767	772	775	rBV	1770358	1594789	85.72%	9.210%
6	6.857	807	811	814	rBV	563279	442992	23.81%	2.558%
7	7.016	833	838	841	rBV	1274887	1197372	64.36%	6.915%
8	7.422	901	907	910	rBV	1062404	992525	53.35%	5.732%
9	8.139	1022	1029	1032	rBV	755049	622409	33.45%	3.594%
10	8.192	1035	1038	1041	rVB	27626	22135	1.19%	0.128%
11	8.428	1070	1078	1082	rBV5	15975	30822	1.66%	0.178%
12	8.551	1096	1099	1101	rBV	45179	37003	1.99%	0.214%
13	8.822	1141	1145	1148	rVB3	20427	26237	1.41%	0.152%
14	9.010	1174	1177	1180	rBV4	14143	22618	1.22%	0.131%
15	9.051	1180	1184	1186	rVB3	17205	22657	1.22%	0.131%
16	9.151	1199	1201	1206	rBV	70640	54982	2.96%	0.318%
17	9.216	1206	1212	1215	rBV	2115013	1860537	100.00%	10.745%
18	9.286	1220	1224	1227	rBV	59937	71139	3.82%	0.411%
19	9.604	1274	1278	1281	rBV	293487	286739	15.41%	1.656%
20	9.633	1281	1283	1286	rVB2	25961	25128	1.35%	0.145%
21	9.710	1291	1296	1298	rVB5	22777	30328	1.63%	0.175%
22	9.757	1301	1304	1306	rBV3	29281	32137	1.73%	0.186%
23	9.816	1306	1314	1319	rBV2	78891	106668	5.73%	0.616%
24	9.892	1323	1327	1331	rVB	734237	700374	37.64%	4.045%
25	10.045	1349	1353	1356	rBV5	33404	55529	2.98%	0.321%
26	10.075	1356	1358	1361	rVV2	28020	29294	1.57%	0.169%
27	10.139	1366	1369	1373	rBV2	40581	53633	2.88%	0.310%
28	10.228	1378	1384	1387	rBV7	14079	32986	1.77%	0.190%
29	10.257	1387	1389	1393	rVB3	28049	31007	1.67%	0.179%
30	10.316	1393	1399	1401	rBV2	96918	105873	5.69%	0.611%
31	10.351	1401	1405	1407	rVV5	25067	33016	1.77%	0.191%
32	10.375	1407	1409	1413	rVB4	17643	23085	1.24%	0.133%
33	10.533	1432	1436	1443	rVB	113065	136491	7.34%	0.788%
34	10.686	1458	1462	1465	rBV	1242269	1132660	60.88%	6.541%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.804	1477	1482	1485	rBV	214213	252704	13.58%	1.459%
36	11.016	1516	1518	1522	rVB4	32307	30856	1.66%	0.178%
37	11.128	1536	1537	1543	rVB5	22378	22744	1.22%	0.131%
38	11.233	1552	1555	1557	rBV2	28442	33442	1.80%	0.193%
39	11.269	1557	1561	1567	rVB2	126956	158011	8.49%	0.913%
40	11.380	1576	1580	1583	rBV	852554	734815	39.49%	4.244%
41	11.616	1617	1620	1626	rVB3	32568	36142	1.94%	0.209%
42	11.898	1665	1668	1676	rVB2	147672	134314	7.22%	0.776%
43	12.686	1798	1802	1809	rBV	87176	93018	5.00%	0.537%
44	12.969	1845	1850	1853	rVB	1879809	1711417	91.99%	9.883%
45	13.845	1996	1999	2009	rBV	115708	127303	6.84%	0.735%
46	14.021	2025	2029	2032	rBV	569751	515948	27.73%	2.980%
47	14.480	2101	2107	2112	rBV6	11733	21942	1.18%	0.127%
48	15.486	2273	2278	2284	rBV	320740	412172	22.15%	2.380%

Sum of corrected areas: 17316022

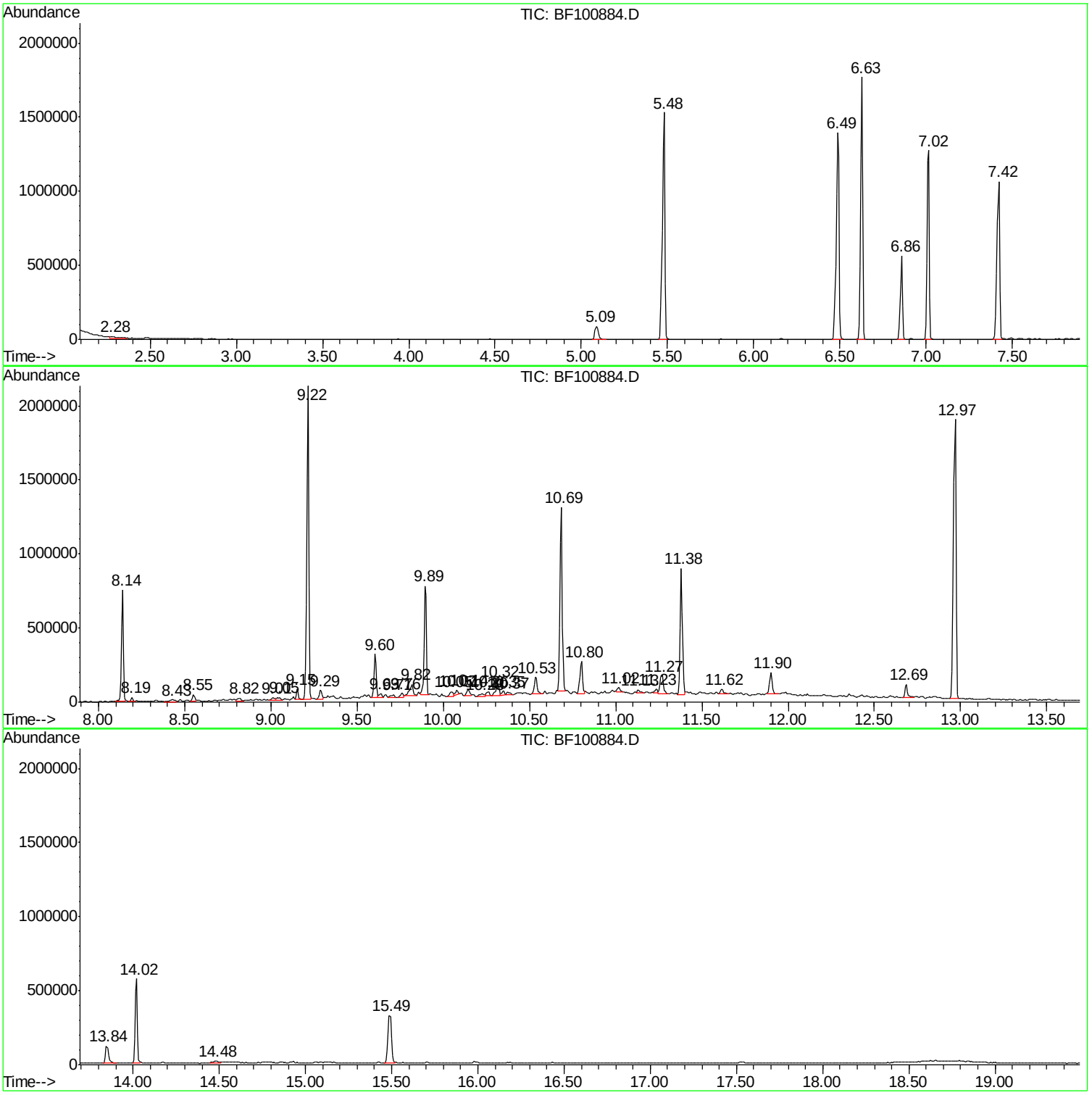
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

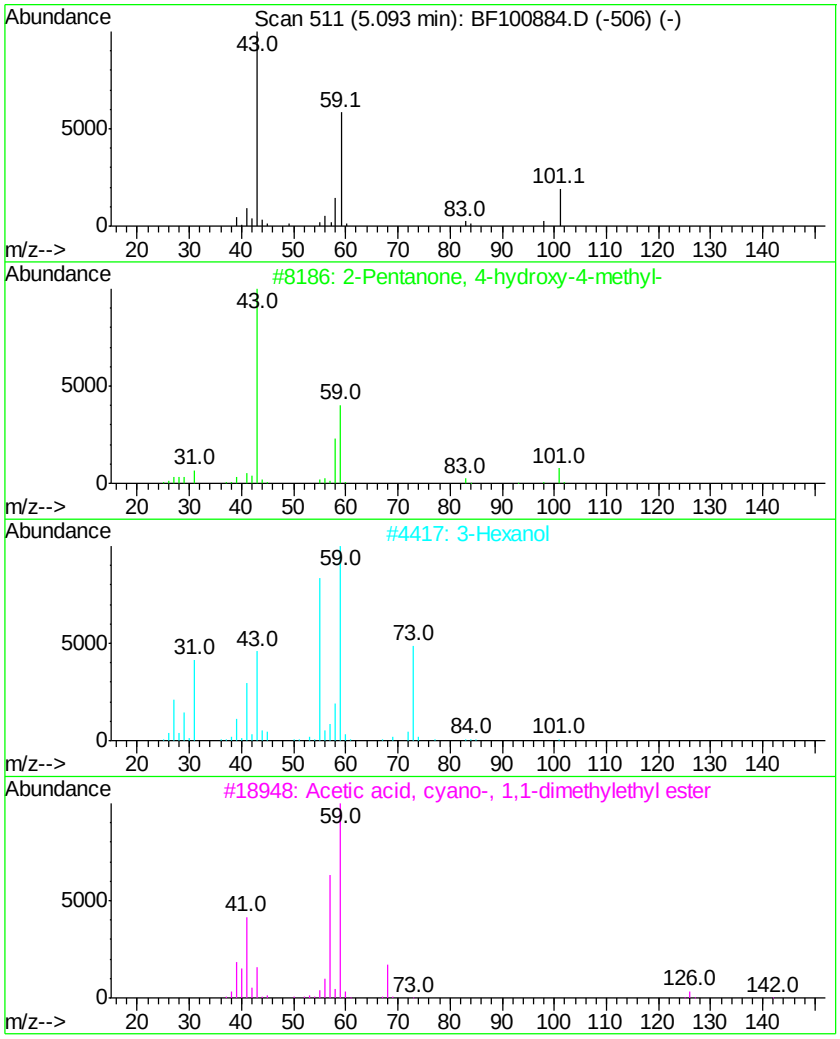
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

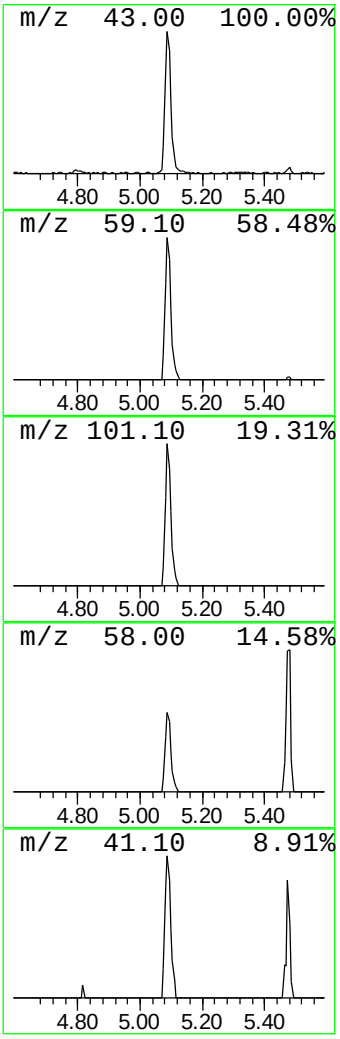
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	5.12 ng	113385	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	3-Hexanol	102	C6H14O	000623-37-0	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

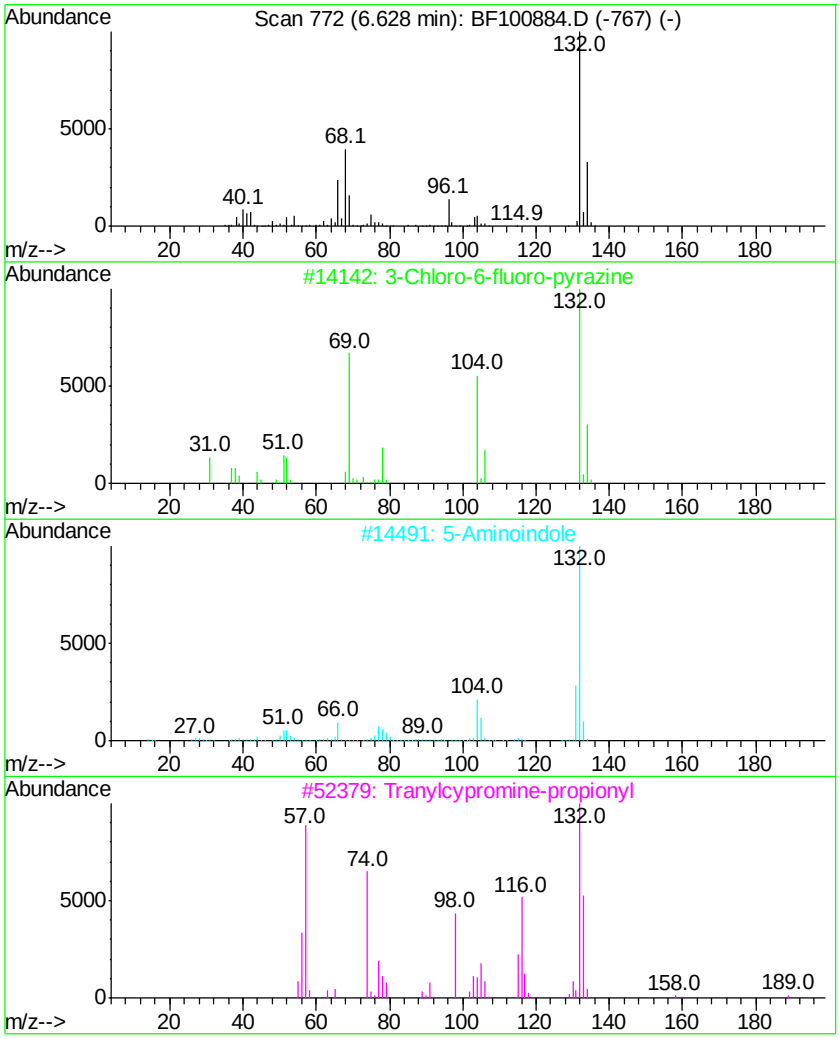
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

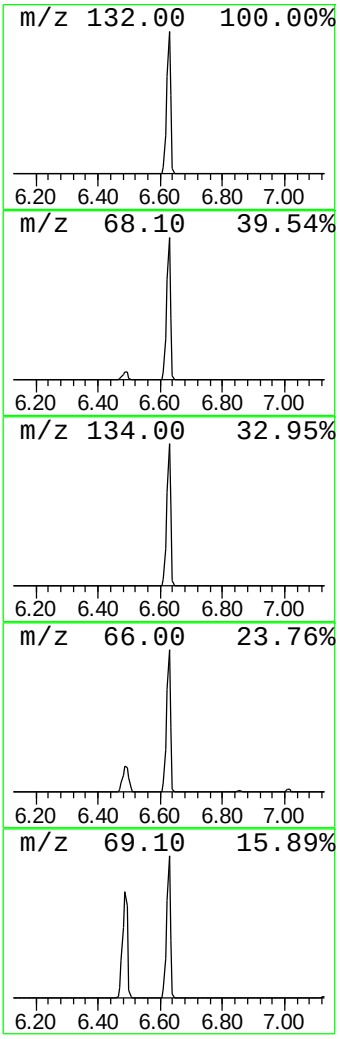
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	72.00 ng	1594790	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

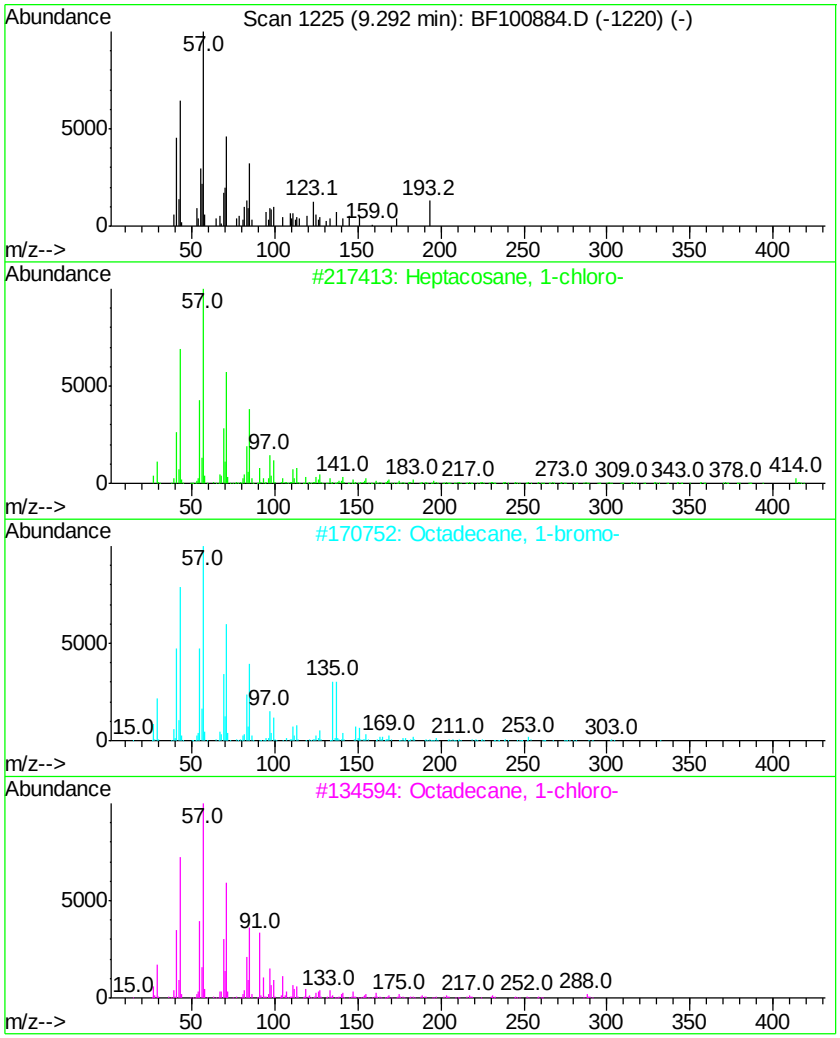
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

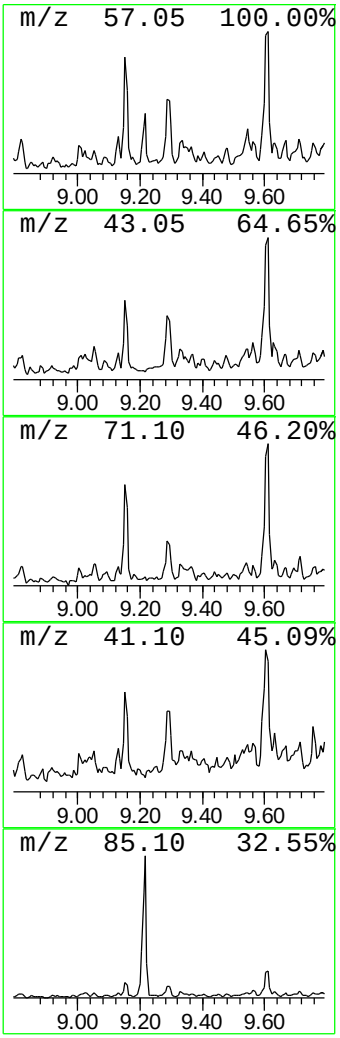
****

Peak Number 4 Heptacosane, 1-chloro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	2.03 ng	71139	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	58
2	Octadecane, 1-bromo-	332	C18H37Br	000112-89-0	58
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	58
4	Tritetracontane	605	C43H88	007098-21-7	58
5	Hentriacontane	437	C31H64	000630-04-6	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

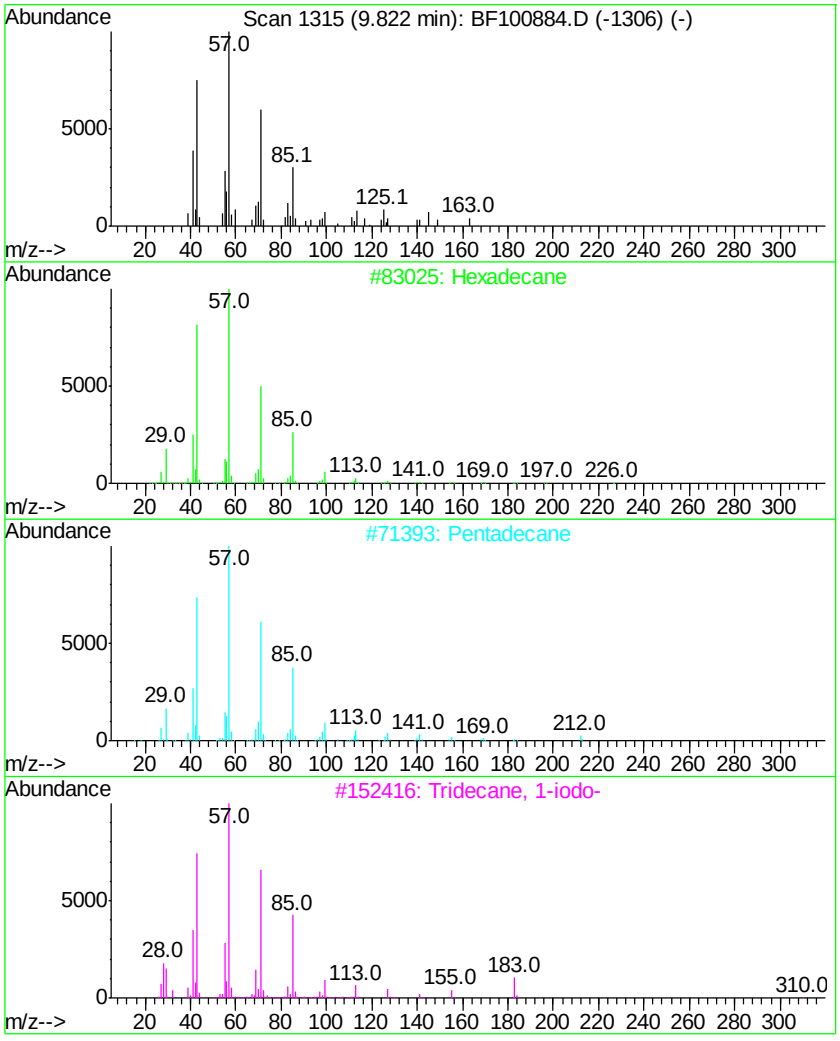
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

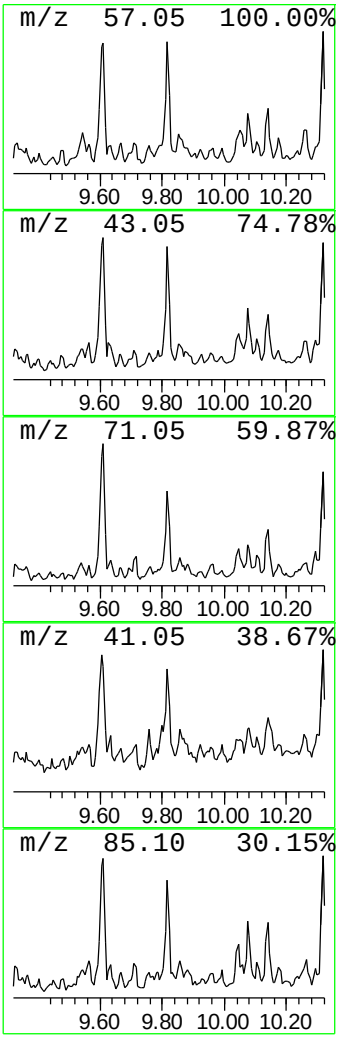
****

Peak Number 5 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	3.05 ng	106668	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Pentadecane	212	C15H32	000629-62-9	90
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	78
4	Eicosane	282	C20H42	000112-95-8	72
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

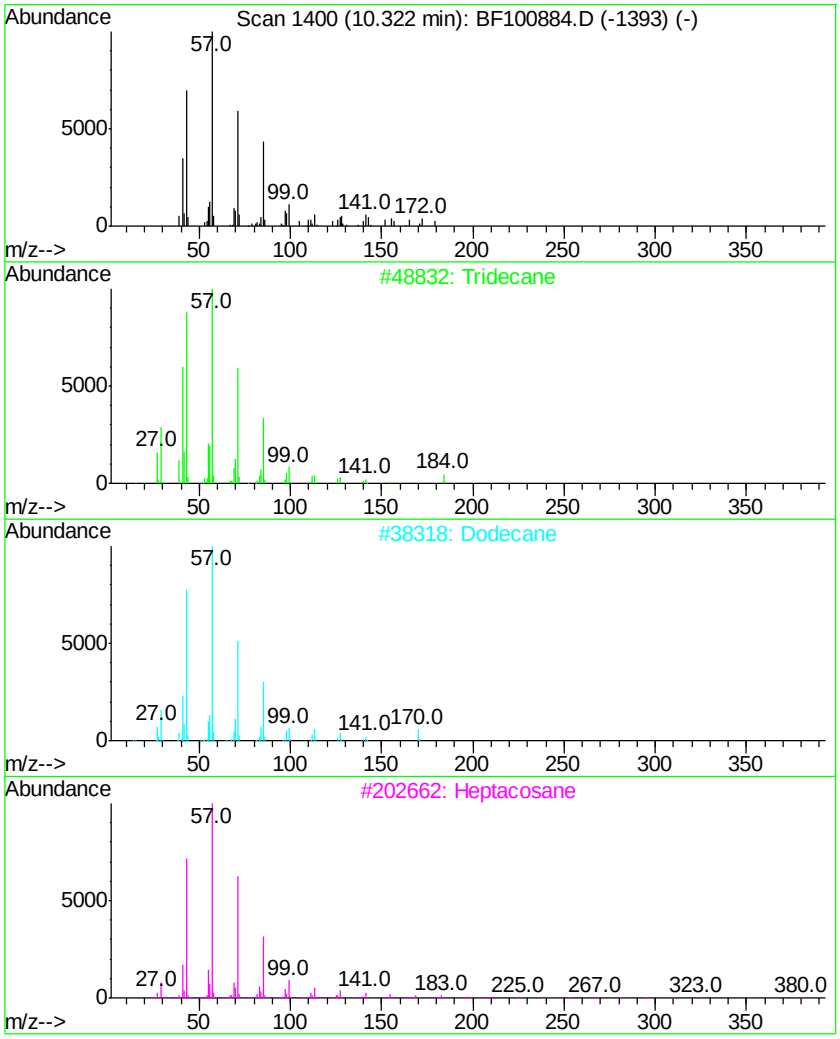
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

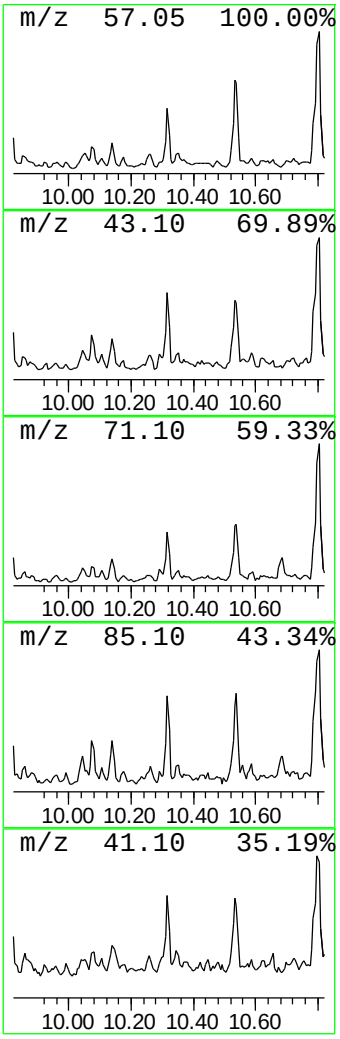
****

Peak Number 6 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	3.02 ng	105873	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Dodecane	170	C12H26	000112-40-3	90
3	Heptacosane	380	C27H56	000593-49-7	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Pentadecane	212	C15H32	000629-62-9	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

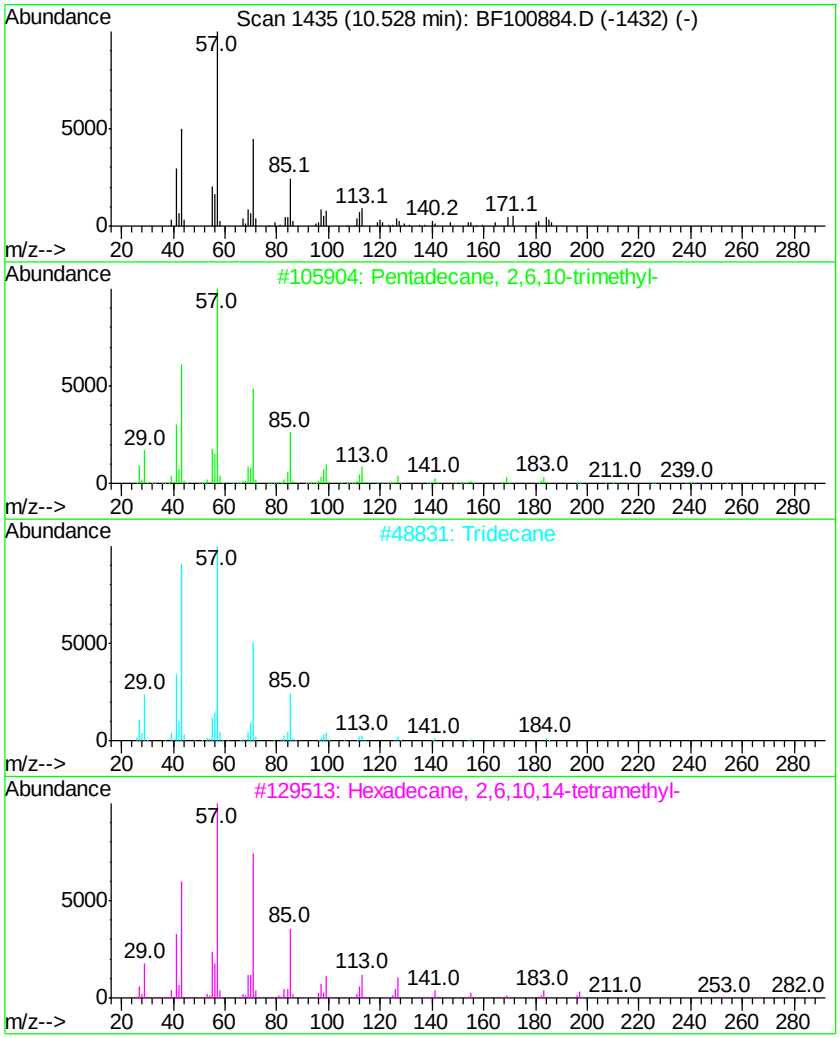
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

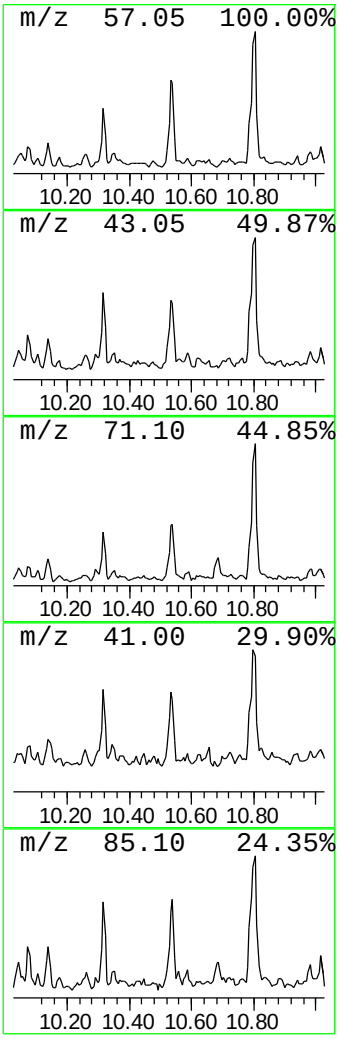
****

Peak Number 7 Pentadecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	3.90 ng	136491	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
2	Tridecane	184	C13H28	000629-50-5	72
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
4	Tetracosane	338	C24H50	000646-31-1	72
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

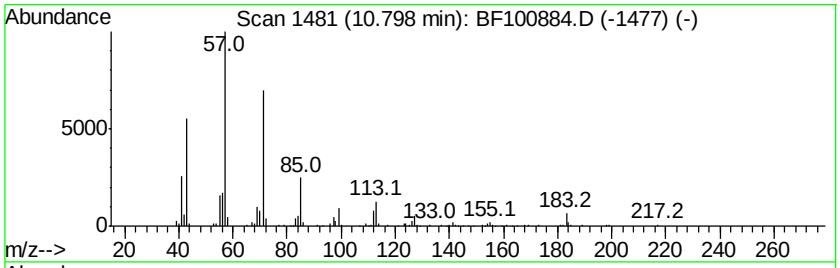
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

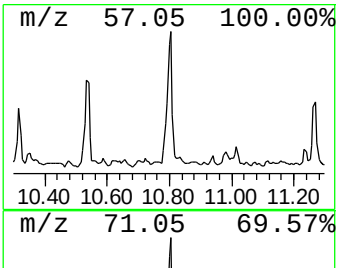
****

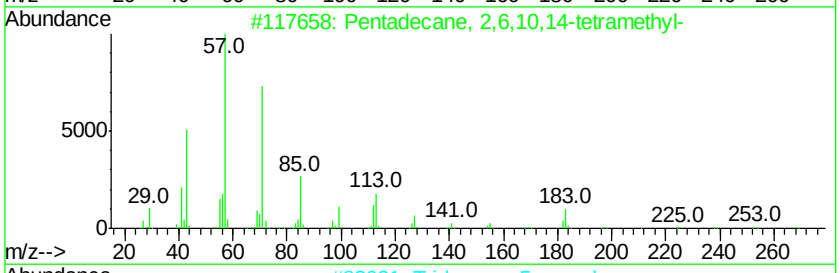
Peak Number 8 Pentadecane, 2,6,10,14-tetr... Concentration Rank 3

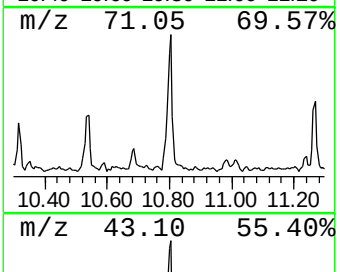
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	6.88 ng	252704	Phenanthrene-d10	11.38

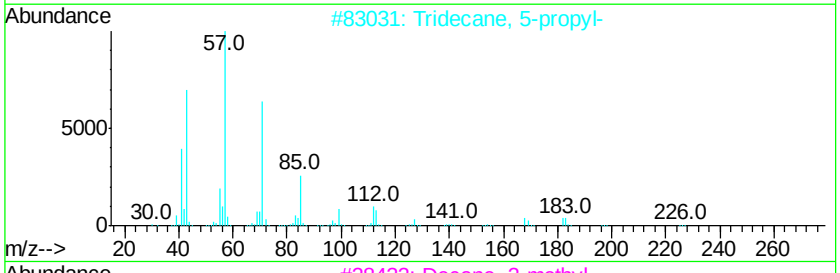
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
3	Decane, 2-methyl-	156	C11H24	006975-98-0	80
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72

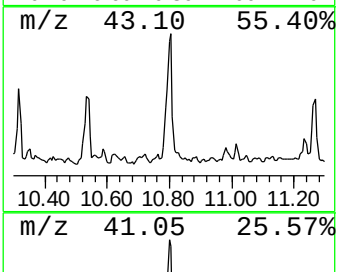


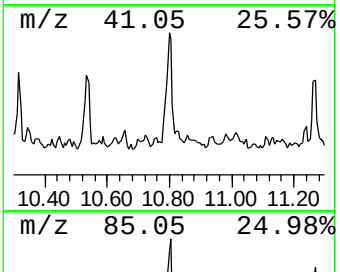


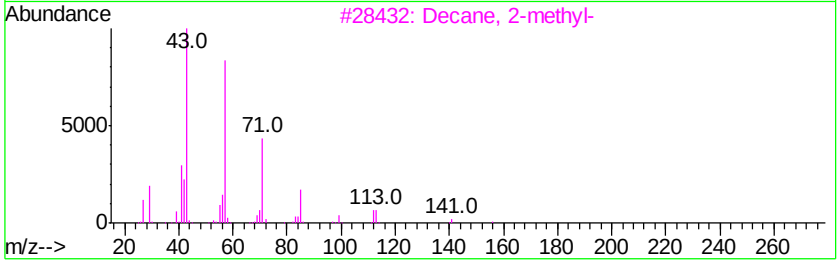


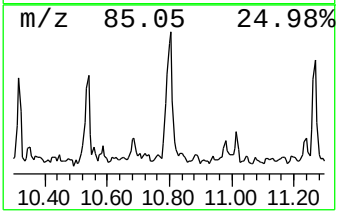












Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

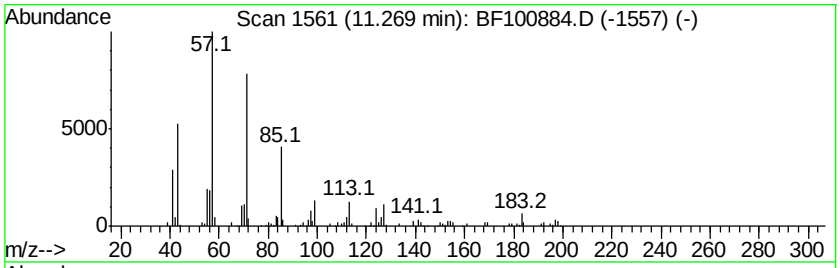
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

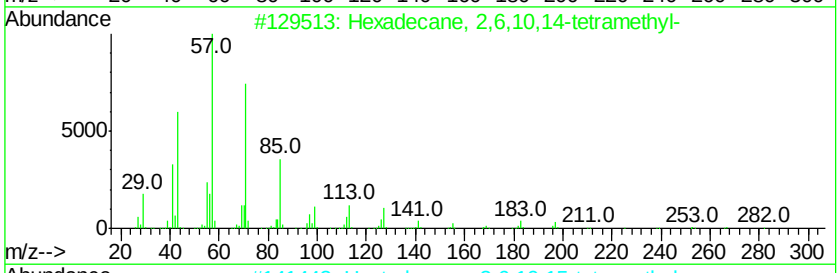
****

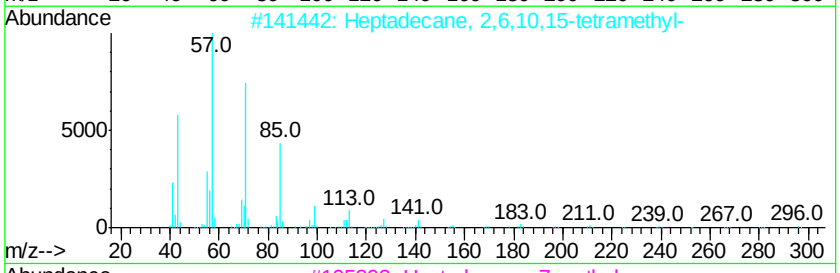
Peak Number 9 Hexadecane, 2,6,10,14-tetra... Concentration Rank 6

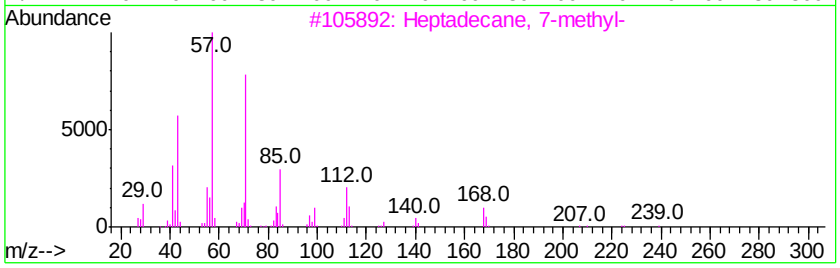
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	4.30 ng	158011	Phenanthrene-d10	11.38

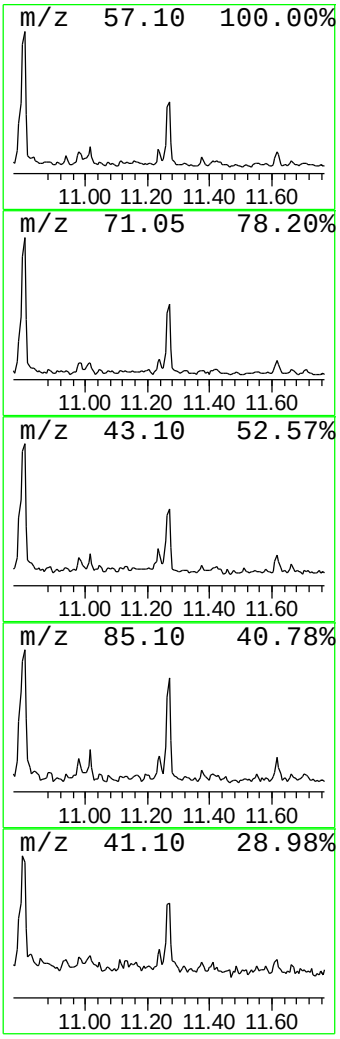
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	80
4	Heptacosane	380	C27H56	000593-49-7	80
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	78











Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

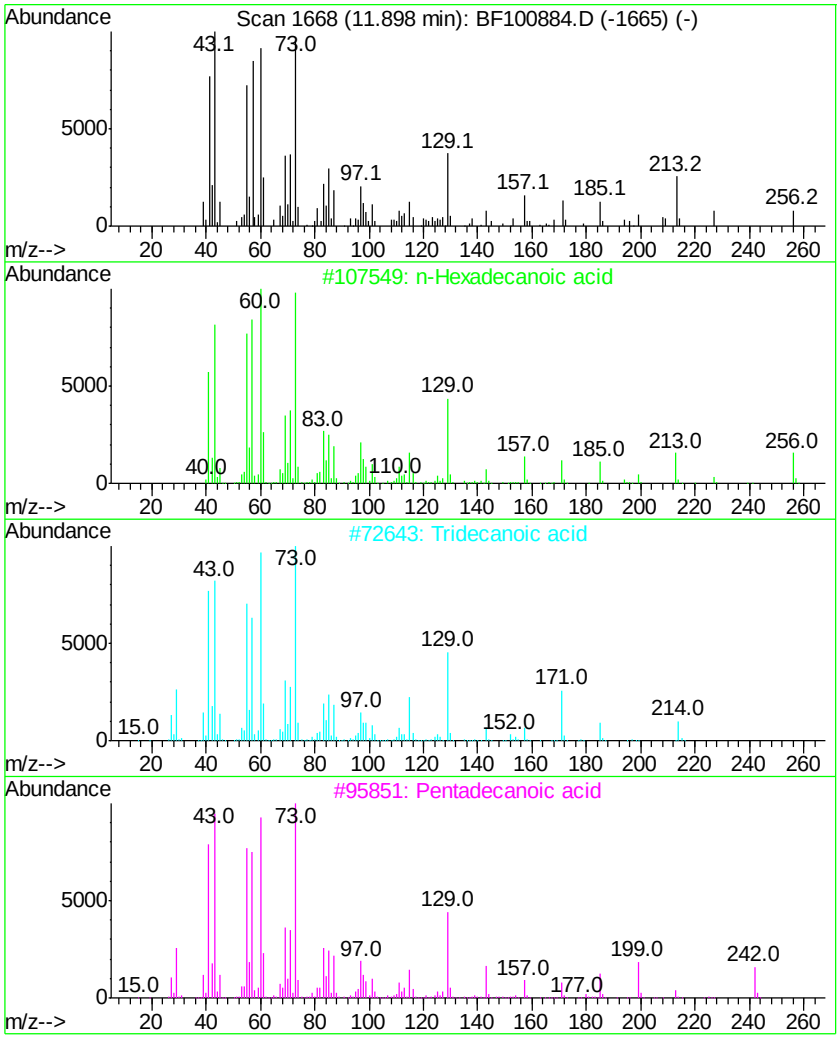
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

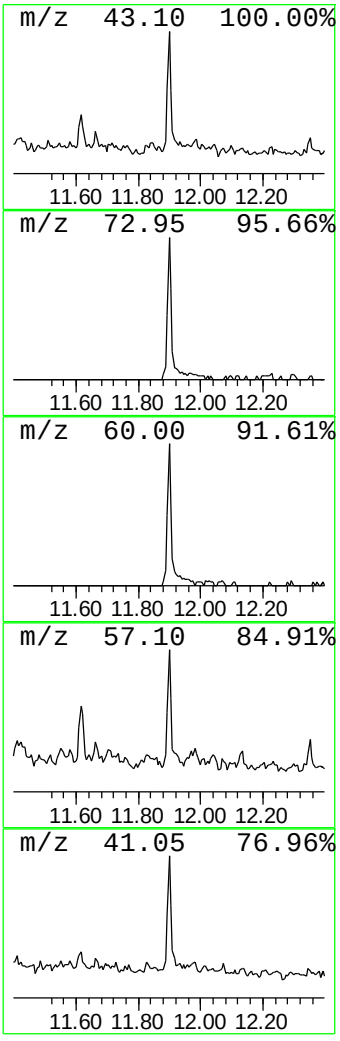
****

Peak Number 10 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.66 ng	134314	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Undecanoic acid	186	C11H22O2	000112-37-8	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

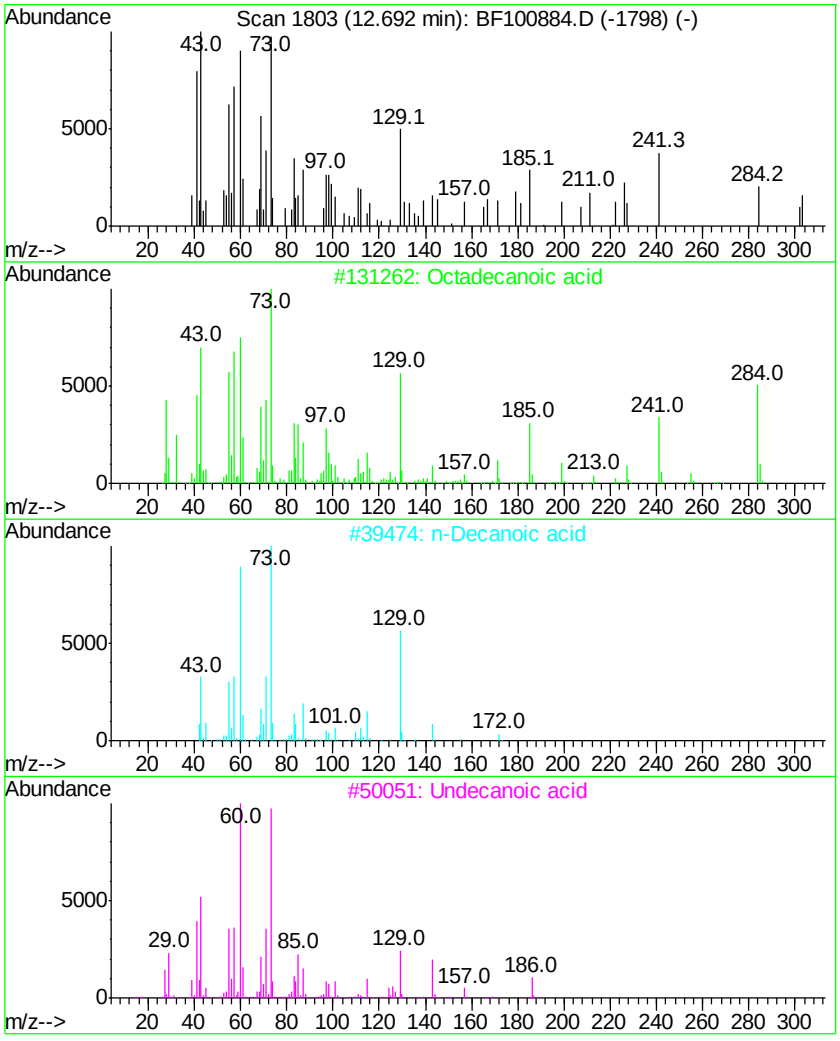
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

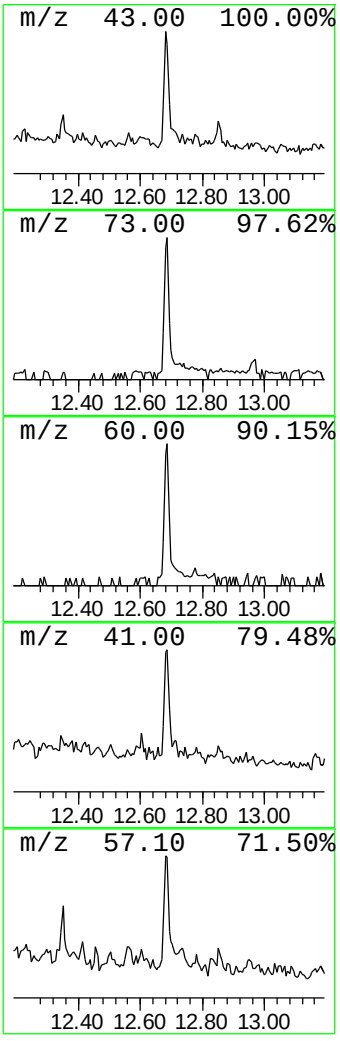
****

Peak Number 11 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	2.53 ng	93018	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Decanoic acid	172	C10H20O2	000334-48-5	90
3	Undecanoic acid	186	C11H22O2	000112-37-8	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

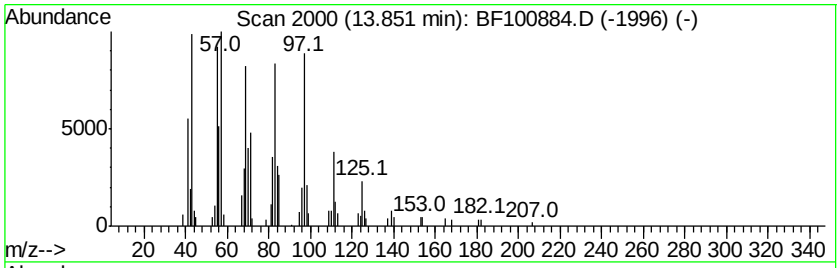
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

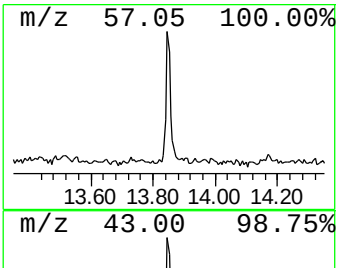
****

Peak Number 12 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	4.93 ng	127303	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	93
5	Behenic alcohol	326	C22H46O	000661-19-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112717\
Data File : BF100884.D
Acq On : 27 Nov 2017 11:44
Operator : SJ/JU
Sample : I6574-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-5-(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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
2-Pentanone, 4-hy...	5.09	5.1	ng	113385	1	6.86	442992	20.0
unknown6.63	6.63	72.0	ng	1594790	1	6.86	442992	20.0
Heptacosane, 1-ch...	9.29	2.0	ng	71139	3	9.89	700374	20.0
Hexadecane	9.82	3.0	ng	106668	3	9.89	700374	20.0
Tridecane	10.32	3.0	ng	105873	3	9.89	700374	20.0
Pentadecane, 2,6,...	10.53	3.9	ng	136491	3	9.89	700374	20.0
Pentadecane, 2,6,...	10.80	6.9	ng	252704	4	11.38	734815	20.0
Hexadecane, 2,6,1...	11.27	4.3	ng	158011	4	11.38	734815	20.0
n-Hexadecanoic acid	11.90	3.7	ng	134314	4	11.38	734815	20.0
Octadecanoic acid	12.69	2.5	ng	93018	4	11.38	734815	20.0
1-Heneicosanol	13.85	4.9	ng	127303	5	14.02	515948	20.0