LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098119.D
Acq On : 29 Aug 2017 19:08
Operator : SJ/JU
Sample : I4989-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BERGEN-GEN-S2-COMP

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-BF081517.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	4.940	480	485	498	rVB	231846	370798	9.69%	1.055%
2	5.345	549	554	557	rBV	3177239	3498489	91.46%	9.957%
3	6.375	723	729	733	rBV	3155323	3824966	100.00%	10.886%
4	6.504	746	751	754	rBV	3452547	3541486	92.59%	10.079%
5	6.734	786	790	793	rBV	1024859	875454	22.89%	2.492%
6	6.892	812	817	820	rBV	2700243	2675106	69.94%	7.613%
7	7.298	880	886	889	rBV	2102202	2357888	61.64%	6.711%
8	8.016	1003	1008	1011	rBV	1324804	1203505	31.46%	3.425%
9	8.728	1126	1129	1132	rVB	85105	70528	1.84%	0.201%
10	8.828	1142	1146	1149	rBV	64795	62609	1.64%	0.178%
11	9.092	1186	1191	1195	rBV	3564583	3758237	98.26%	10.696%
12	9.175	1201	1205	1210	rVB3	52772	66703	1.74%	0.190%
13	9.357	1228	1236	1240	rBV3	29371	48555	1.27%	0.138%
14	9.428	1245	1248	1250	rVV	62302	59743	1.56%	0.170%
15	9.486	1254	1258	1262	rVV	720075	621669	16.25%	1.769%
16	9.545	1265	1268	1272	rVB2	32249	39381	1.03%	0.112%
17	9.704	1293	1295	1300	rVB	103438	78317	2.05%	0.223%
18	9.769	1300	1306	1309	rBV	1388325	1241917	32.47%	3.534%
19	9.798	1309	1311	1315	rVB2	49748	48399	1.27%	0.138%
20	9.933	1328	1334	1337	rBV7	20797	41734	1.09%	0.119%
21	9.969	1337	1340	1343	rVV2	64695	61360	1.60%	0.175%
22	10.204	1377	1380	1383	rVB	132063	100514	2.63%	0.286%
23	10.310	1395	1398	1401	rBV2	55360	55871	1.46%	0.159%
24	10.422	1411	1417	1423	rBV	68948	97580	2.55%	0.278%
25	10.557	1435	1440	1443	rBV	2005242	1991652	52.07%	5.668%
26	10.675	1457	1460	1469	rBV2	164619	248799	6.50%	0.708%
27	10.998	1511	1515	1522	rVB7	20897	41306	1.08%	0.118%
28	11.122	1533	1536	1539	rBV2	86948	72425	1.89%	0.206%
29	11.151	1539	1541	1547	rVB3	49530	51081	1.34%	0.145%
30	11.251	1554	1558	1560	rBV	1281572	1085875	28.39%	3.090%
31	11.275	1560	1562	1565	rVV	235706	184082	4.81%	0.524%
32	11.551	1606	1609	1612	rVB	55900	45032	1.18%	0.128%
33	11.780	1645	1648	1652	rVB	55973	53215	1.39%	0.151%
34	11.857	1658	1661	1664	rBV	56493	62757	1.64%	0.179%

LSC Area Percent Report

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Acq On : 29 Aug 2017 19:08
Operator : SJ/JU
Sample : I4989-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BERGEN-GEN-S2-COMP

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-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.345	1739	1744	1748	rVB6	43686	61143	1.60%	0.174%
36	12.457	1759	1763	1767	rBV	337249	279021	7.29%	0.794%
37	12.686	1796	1802	1805	rBV	300647	290610	7.60%	0.827%
38	12.839	1823	1828	1831	rVB	2742656	2597328	67.90%	7.392%
39	13.016	1855	1858	1861	rVB	42547	43409	1.13%	0.124%
40	13.074	1865	1868	1872	rVB2	41715	52074	1.36%	0.148%
41	13.116	1872	1875	1879	rBV2	36071	42124	1.10%	0.120%
42	13.733	1976	1980	1986	rVB2	191478	213538	5.58%	0.608%
43	13.880	2000	2005	2008	rBV2	842861	934890	24.44%	2.661%
44	13.904	2008	2009	2018	rVB	131891	121075	3.17%	0.345%
45	14.057	2032	2035	2040	rVB2	41811	41522	1.09%	0.118%
46	14.363	2084	2087	2090	rBV4	62515	64978	1.70%	0.185%
47	14.657	2134	2137	2141	rBV	39761	42419	1.11%	0.121%
48	14.898	2174	2178	2181	rBV	126619	192491	5.03%	0.548%
49	14.980	2188	2192	2194	rBV2	55380	67989	1.78%	0.193%
50	15.180	2222	2226	2232	rVB	73400	90171	2.36%	0.257%
51	15.239	2232	2236	2241	rVV	102161	126822	3.32%	0.361%
52	15.304	2242	2247	2250	rVV	601935	731705	19.13%	2.082%
53	15.333	2250	2252	2261	rVB3	70750	90420	2.36%	0.257%
54	15.745	2318	2322	2326	rBV	57742	80573	2.11%	0.229%
55	16.215	2399	2402	2414	rVB4	36450	73914	1.93%	0.210%
56	16.668	2475	2479	2486	rVB2	44329	84006	2.20%	0.239%
57	16.774	2492	2497	2502	rVB4	32446	56988	1.49%	0.162%
58	17.074	2543	2548	2554	rBV	34075	68844	1.80%	0.196%
59	17.421	2604	2607	2616	rVB5	24578	52182	1.36%	0.149%

Sum of corrected areas: 35137269

LSC Report - Integrated Chromatogram

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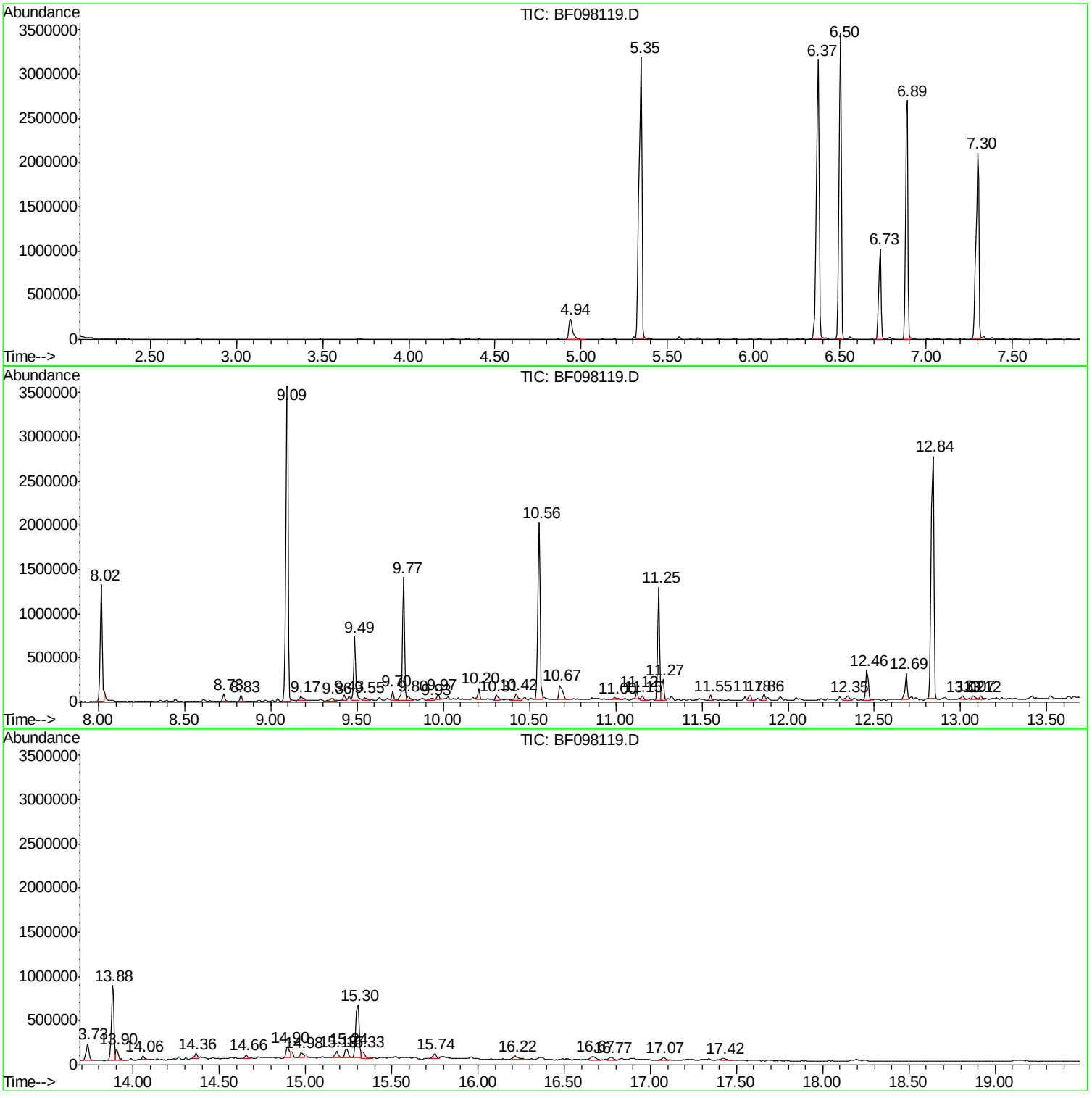
Data File : BF098119.D
Acq On : 29 Aug 2017 19:08
Operator : SJ/JU
Sample : I4989-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BERGEN-GEN-S2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098119.D
Acq On : 29 Aug 2017 19:08
Operator : SJ/JU
Sample : I4989-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BERGEN-GEN-S2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

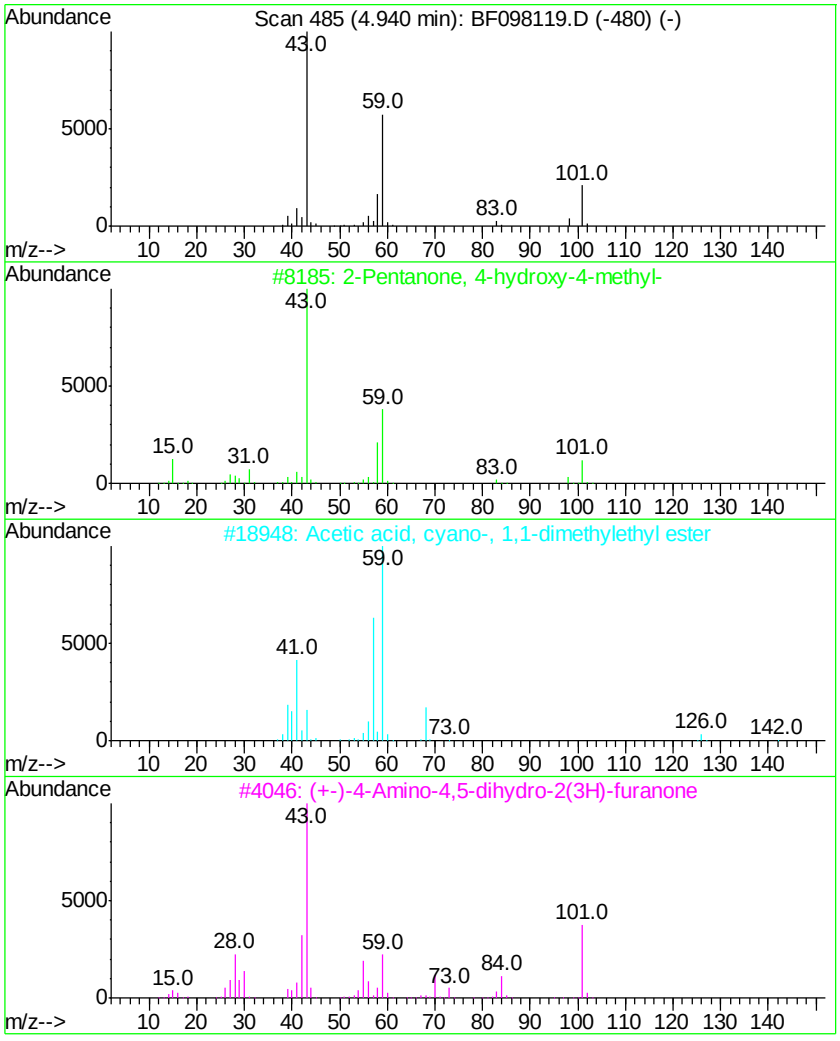
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

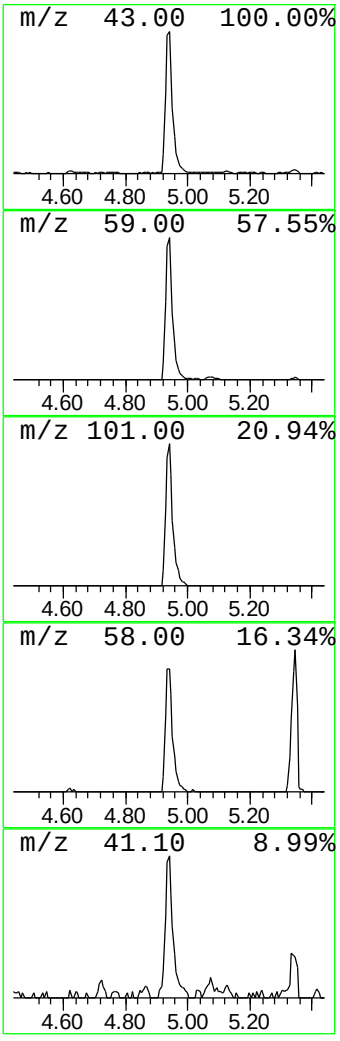
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	8.47 ng	370798	1,4-Dichlorobenzene-d4	6.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





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Sample : I4989-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BERGEN-GEN-S2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

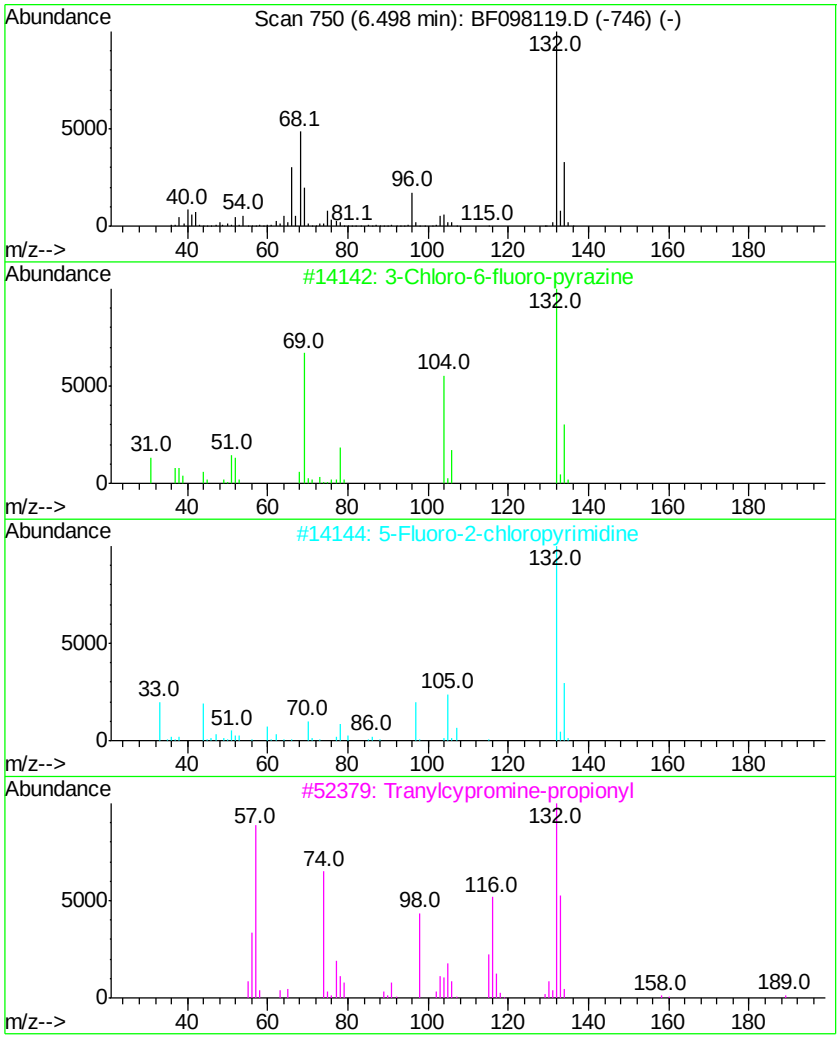
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

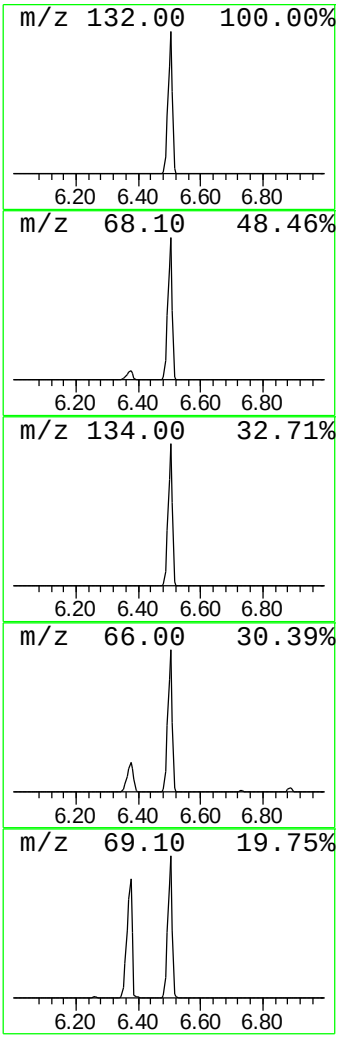
****

Peak Number 2 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	80.91 ng	3541490	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Xenon	132	Xe	007440-63-3	9





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Operator : SJ/JU
Sample : I4989-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BERGEN-GEN-S2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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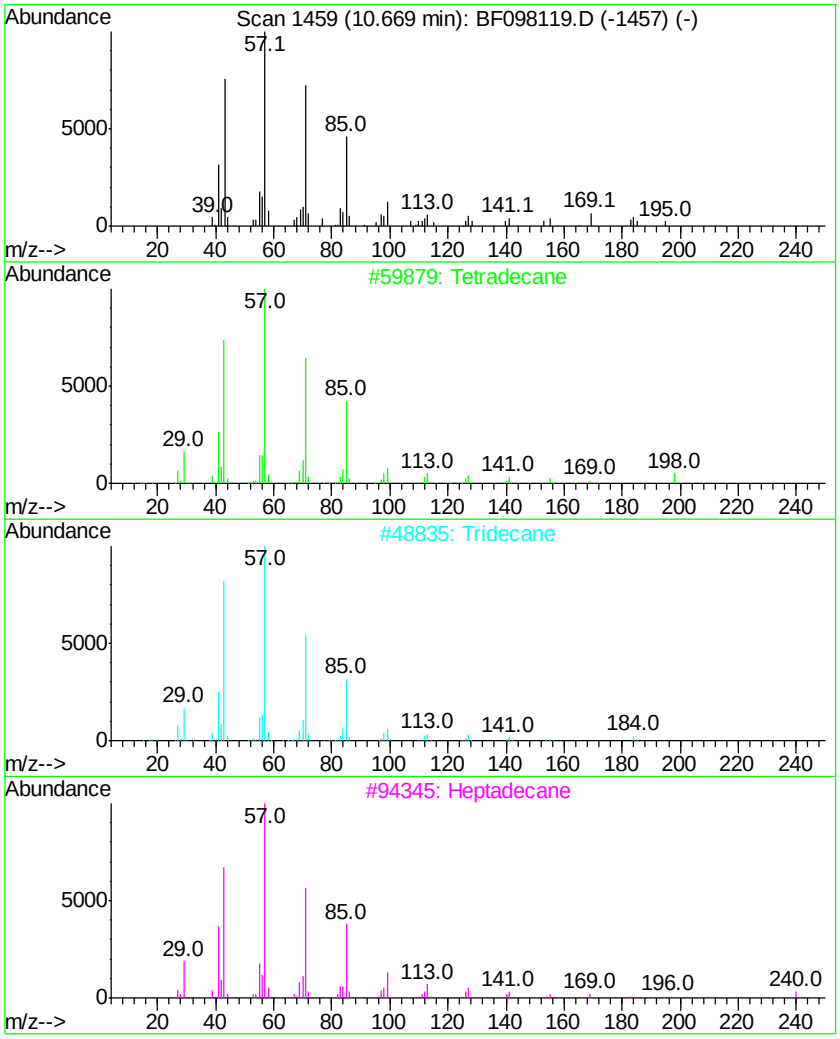
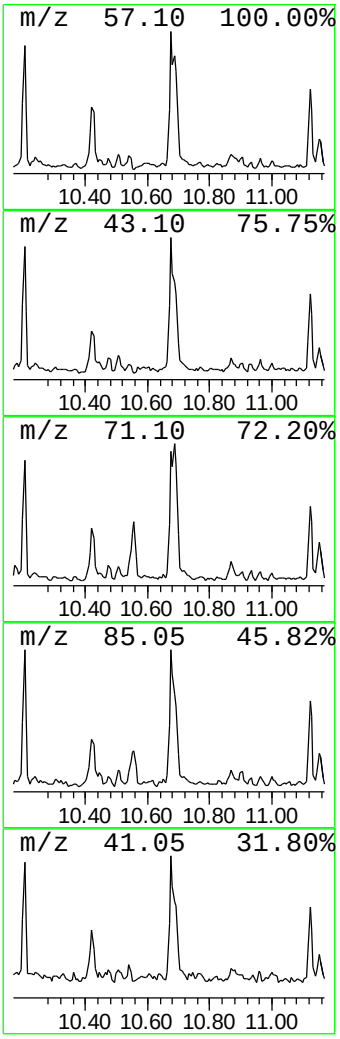
Peak Number 4 Tetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	4.58 ng	248799	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Tridecane	184	C13H28	000629-50-5	93
3	Heptadecane	240	C17H36	000629-78-7	86
4	Pentadecane	212	C15H32	000629-62-9	86
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	83





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BERGEN-GEN-S2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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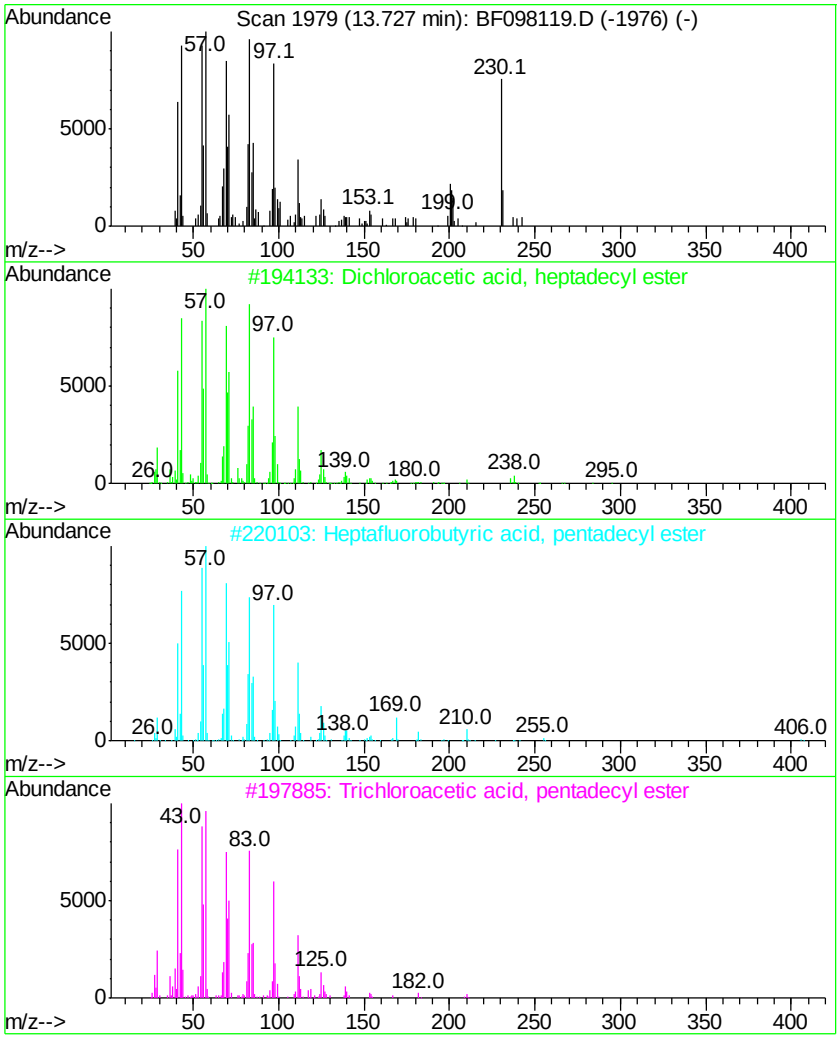
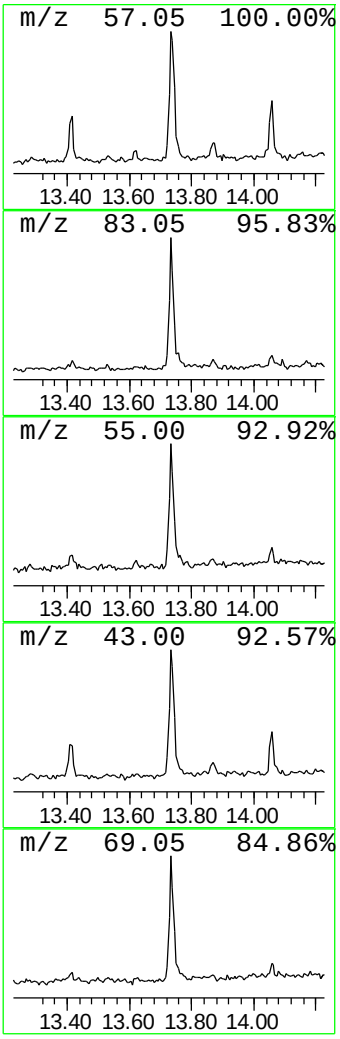
Peak Number 5 Dichloroacetic acid, heptad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	4.57 ng	213538	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91





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Instrument : BNA_F
ClientSampleId : BERGEN-GEN-S2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

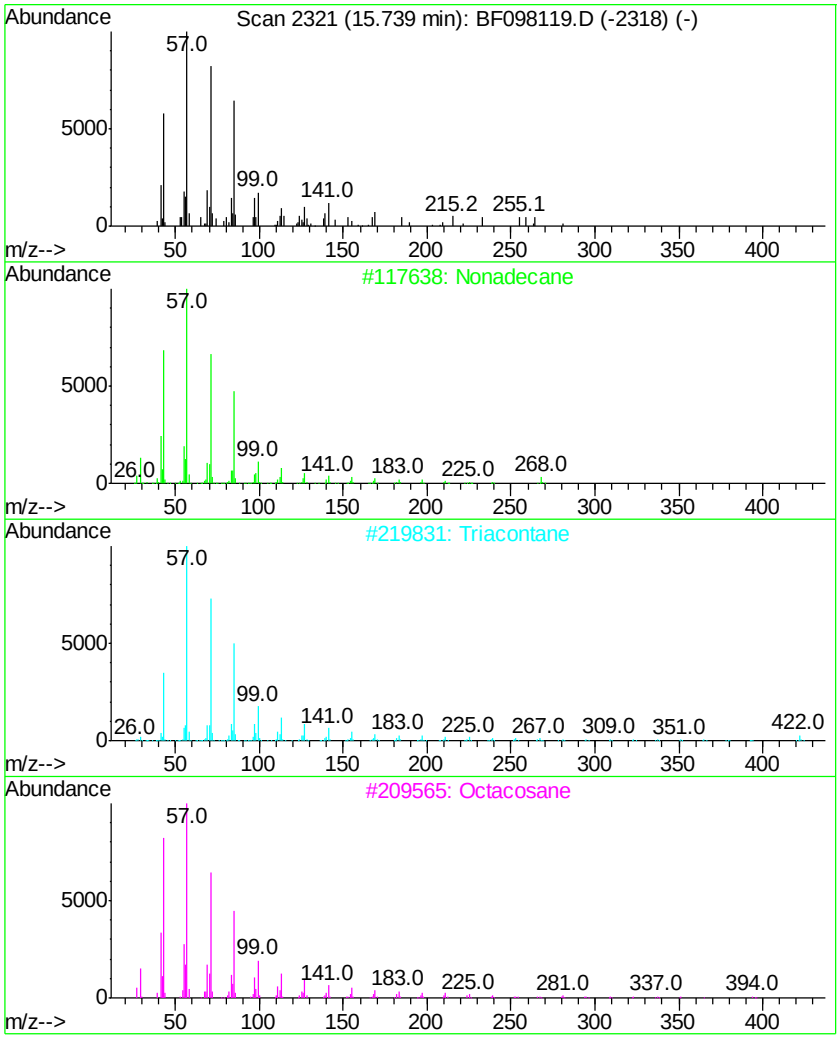
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

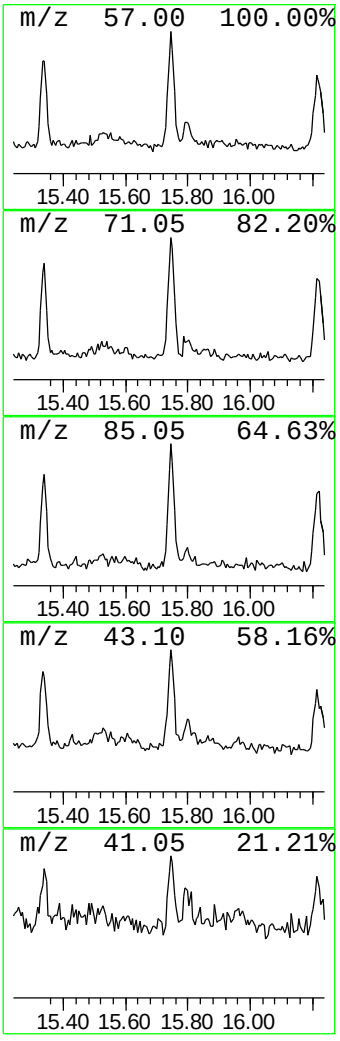
****

Peak Number 7 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	2.20 ng	80573	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Triacontane	422	C30H62	000638-68-6	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Hexacosane	366	C26H54	000630-01-3	90
5	Heptacosane	380	C27H56	000593-49-7	90





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Instrument : BNA_F
ClientSampleId : BERGEN-GEN-S2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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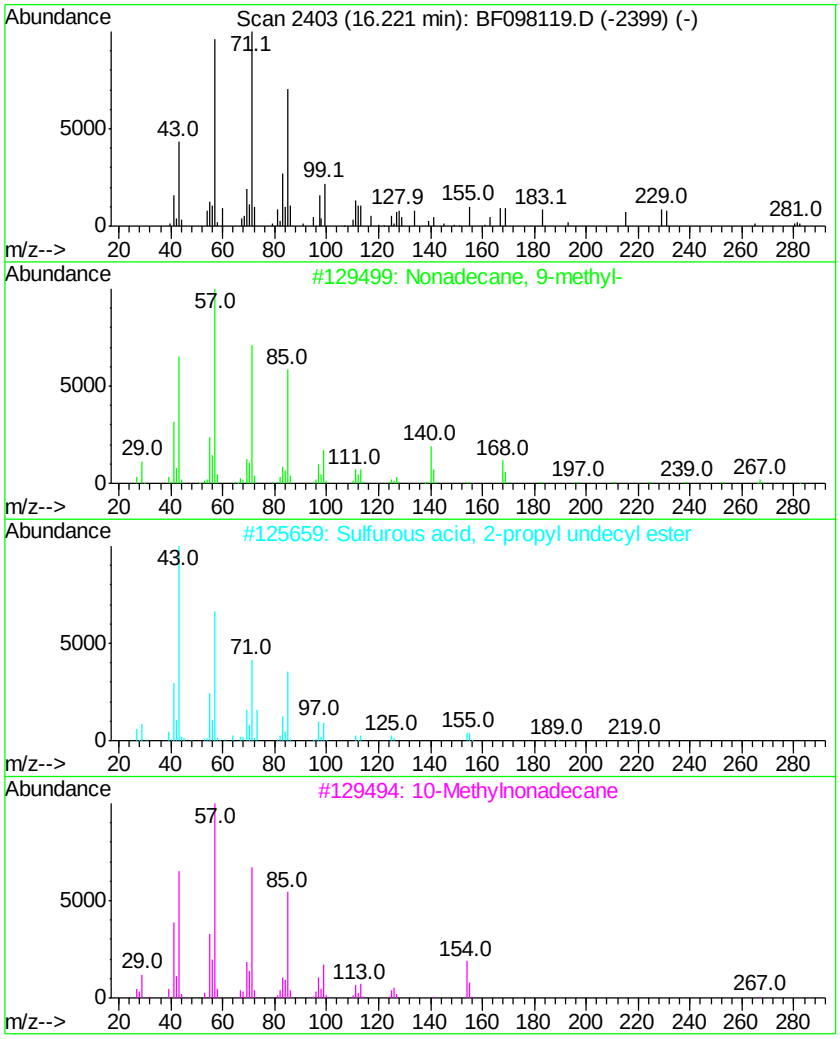
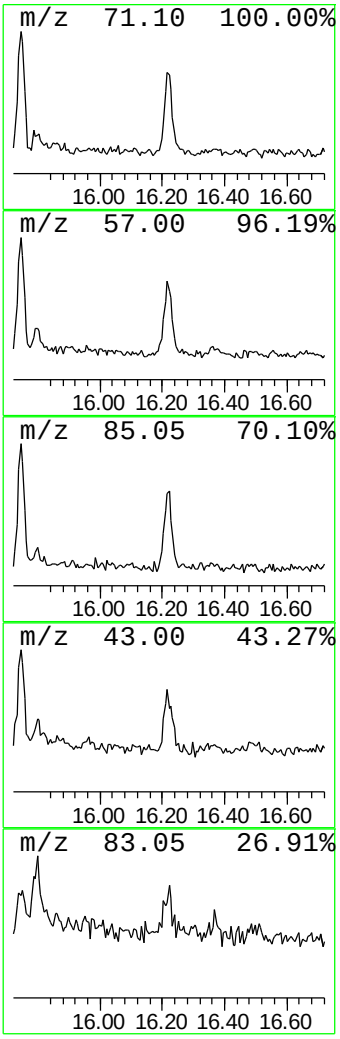
Peak Number 8 Nonadecane, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	2.02 ng	73914	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	86
2	Sulfurous acid, 2-propyl undecyl...	278	C14H30O3S	1000309-12-2	80
3	10-Methylnonadecane	282	C20H42	056862-62-5	78
4	Tetratetracontane	619	C44H90	007098-22-8	72
5	Hexacosane	366	C26H54	000630-01-3	64





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_F
ClientSampleId : BERGEN-GEN-S2-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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...	4.94	8.5	ng	370798	1	6.73	875454	20.0
unknown6.50	6.50	80.9	ng	3541490	1	6.73	875454	20.0
Tetradecane	10.67	4.6	ng	248799	4	11.25	1085880	20.0
Dichloroacetic ac...	13.73	4.6	ng	213538	5	13.88	934890	20.0
Nonadecane	15.74	2.2	ng	80573	6	15.30	731705	20.0
Nonadecane, 9-met...	16.22	2.0	ng	73914	6	15.30	731705	20.0