LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

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-BF121417.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	5.016	494	498	521	rBV	746666	1211389	33.34%	3.155%
2	5.422	563	567	587	rBV	2973639	3560903	98.01%	9.273%
3	6.440	736	740	758	rBV	2962389	3633357	100.00%	9.462%
4	6.569	758	762	768	rVV	3371967	3232041	88.95%	8.417%
5	6.793	797	800	808	rBV	961599	938891	25.84%	2.445%
6	6.951	823	827	838	rBV	2400956	2312832	63.66%	6.023%
7	7.222	870	873	888	rBV	254954	464124	12.77%	1.209%
8	7.369	893	898	911	rVB	1957937	2163150	59.54%	5.633%
9	8.075	1015	1018	1028	rBV	1182122	1210097	33.31%	3.151%
10	8.269	1045	1051	1060	rBV2	15749	39411	1.08%	0.103%
11	9.151	1197	1201	1210	rBV	2682188	2492485	68.60%	6.491%
12	9.434	1246	1249	1255	rBV	34889	73831	2.03%	0.192%
13	9.545	1262	1268	1274	rBV	273075	270615	7.45%	0.705%
14	9.751	1297	1303	1305	rBV	63814	59723	1.64%	0.156%
15	9.834	1313	1317	1325	rVB	1228568	1185540	32.63%	3.087%
16	10.245	1385	1387	1390	rVB	87683	67482	1.86%	0.176%
17	10.628	1448	1452	1463	rBV	1610997	1626680	44.77%	4.236%
18	10.722	1465	1468	1472	rVV2	119330	133265	3.67%	0.347%
19	10.792	1477	1480	1483	rBV2	61921	52014	1.43%	0.135%
20	11.163	1540	1543	1547	rBV3	81324	92849	2.56%	0.242%
21	11.322	1566	1570	1579	rVB	1112088	1056281	29.07%	2.751%
22	11.686	1628	1632	1636	rBV3	25588	40033	1.10%	0.104%
23	11.839	1652	1658	1661	rBV6	26169	40134	1.10%	0.105%
24	11.875	1661	1664	1669	rVB2	34855	39545	1.09%	0.103%
25	12.763	1811	1815	1816	rBV2	33235	36746	1.01%	0.096%
26	12.904	1835	1839	1842	rBV	1832086	1629517	44.85%	4.244%
27	13.116	1872	1875	1878	rVB	65035	56144	1.55%	0.146%
28	13.457	1930	1933	1936	rBV	86826	72624	2.00%	0.189%
29	13.786	1985	1989	1994	rBV	215521	221104	6.09%	0.576%
30	13.969	2016	2020	2028	rBV	900991	885620	24.37%	2.306%
31	14.098	2039	2042	2048	rVB	208291	196017	5.39%	0.510%
32	14.257	2067	2069	2073	rVB5	42904	39793	1.10%	0.104%
33	14.404	2090	2094	2100	rBV	462490	446934	12.30%	1.164%
34	14.704	2141	2145	2152	rBV	753725	762234	20.98%	1.985%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.033	2196	2201	2205	rBV	1059663	1138059	31.32%	2.964%
36	15.110	2211	2214	2218	rBV2	46234	60616	1.67%	0.158%
37	15.292	2242	2245	2252	rVB3	84964	127640	3.51%	0.332%
38	15.398	2258	2263	2267	rBV	986788	1308065	36.00%	3.406%
39	15.433	2267	2269	2279	rVB	522174	658110	18.11%	1.714%
40	15.657	2303	2307	2311	rVB2	48281	72875	2.01%	0.190%
41	15.821	2329	2335	2341	rBV	931432	1384810	38.11%	3.606%
42	16.304	2411	2417	2425	rBV	641616	1129884	31.10%	2.942%
43	16.880	2507	2515	2525	rBV	441106	961510	26.46%	2.504%
44	17.551	2621	2629	2642	rVB2	266815	634175	17.45%	1.652%
45	18.351	2757	2765	2777	rVB2	127213	381644	10.50%	0.994%
46	19.304	2922	2927	2939	rVB4	68345	198841	5.47%	0.518%

Sum of corrected areas: 38399634

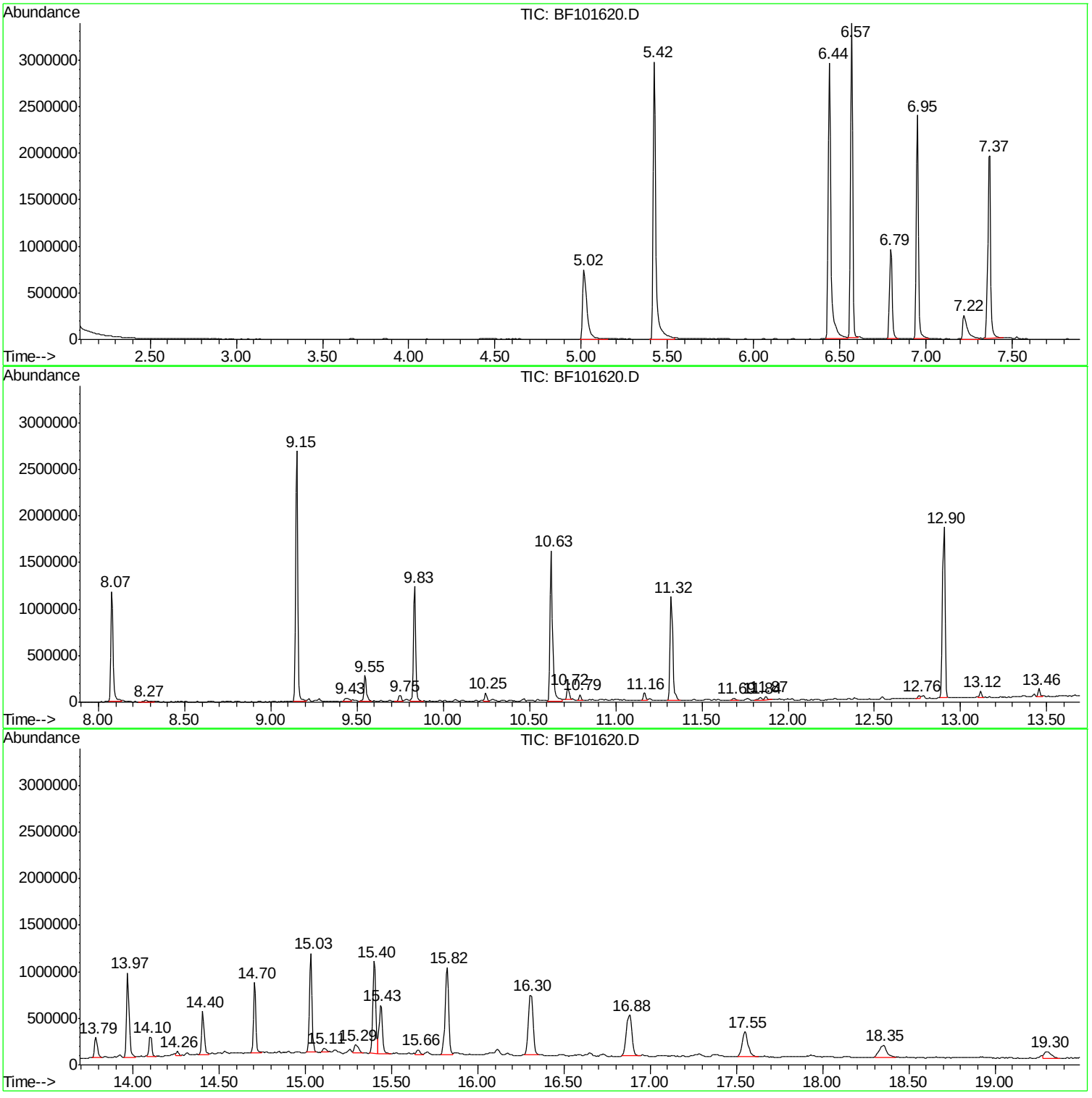
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

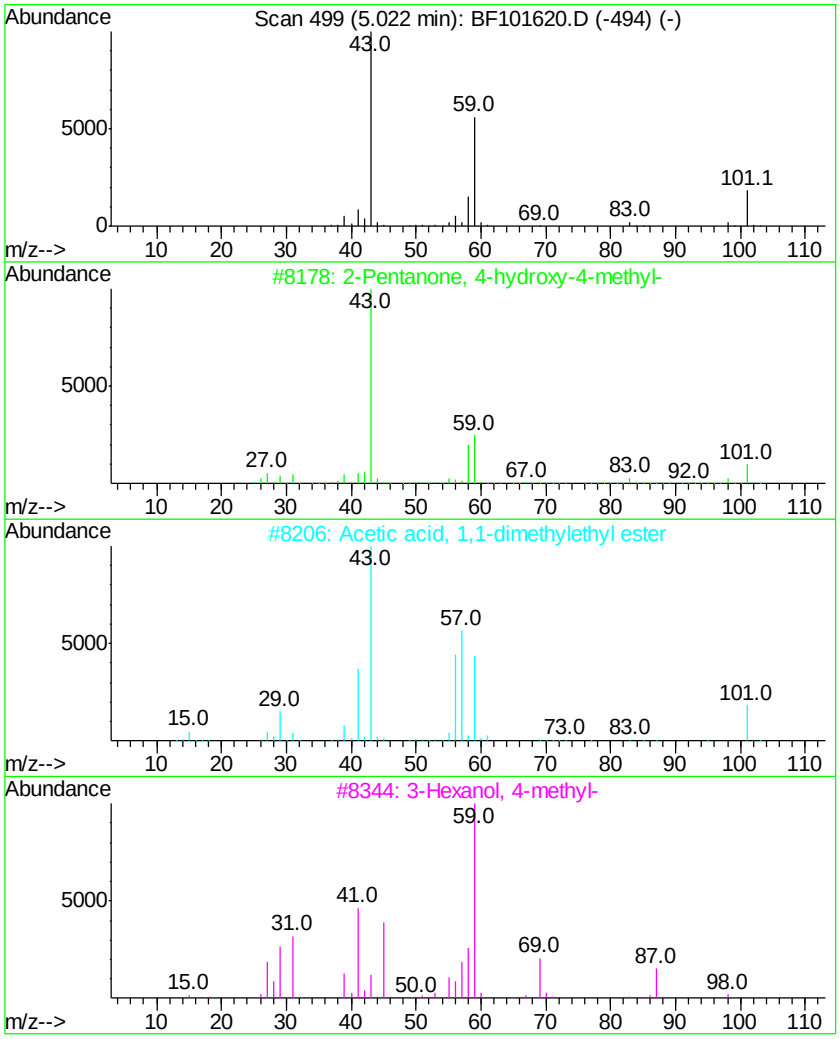
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

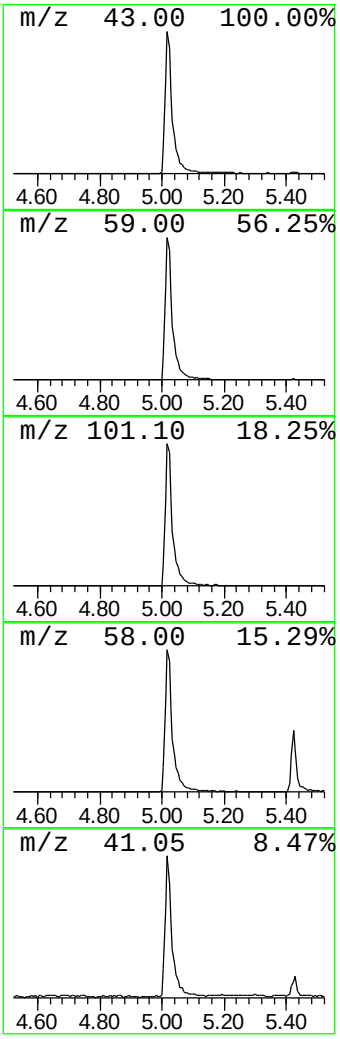
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	25.80 ng	1211390	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

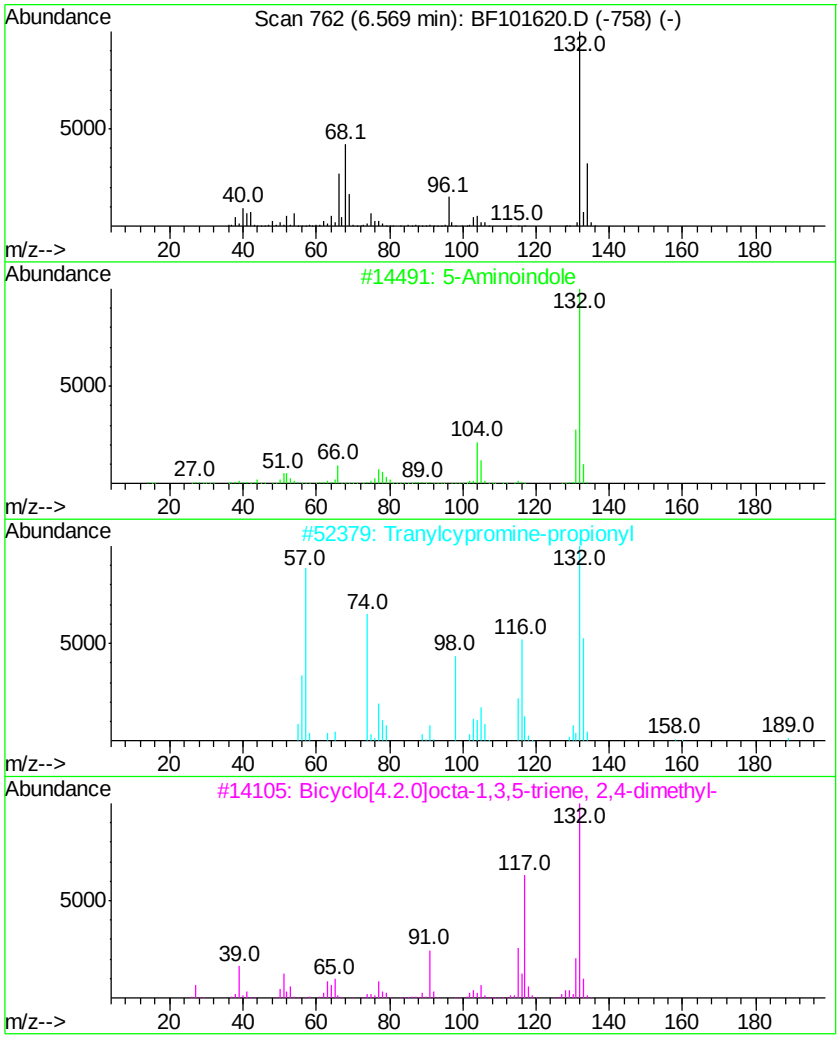
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

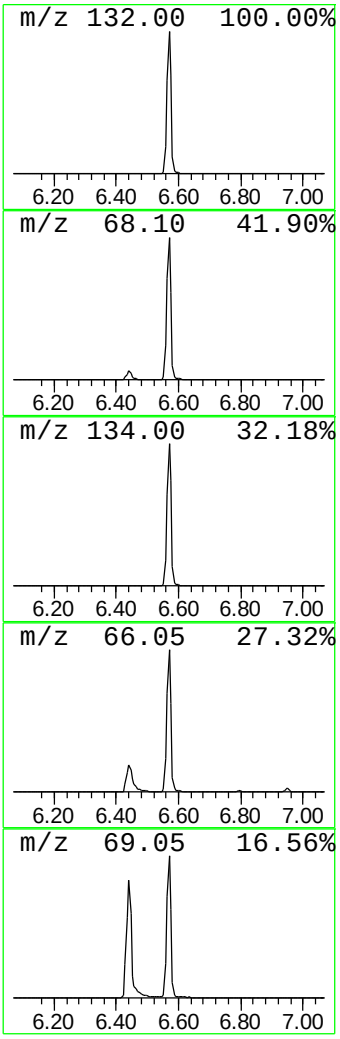
****

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	68.85 ng	3232040	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	12
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

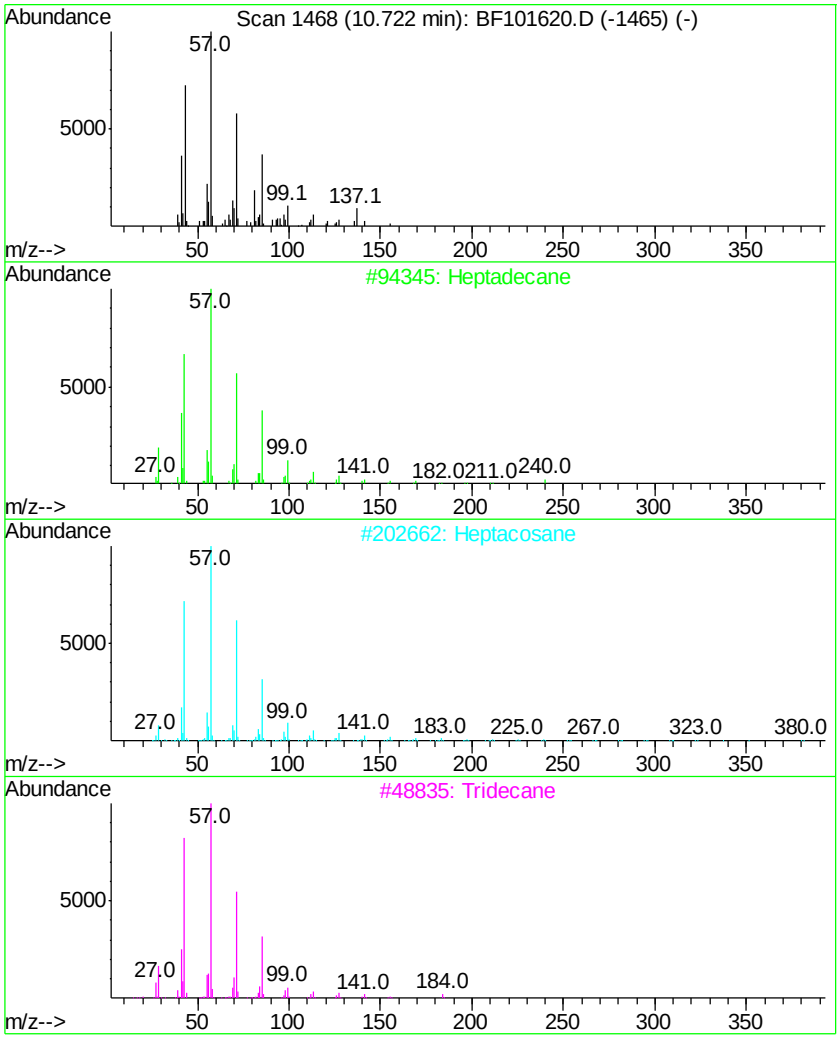
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

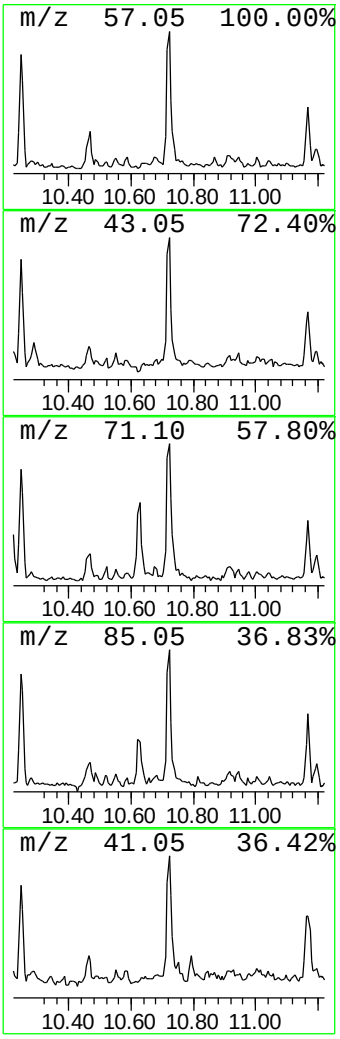
****

Peak Number 4 Heptadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	2.52 ng	133265	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	87
2	Heptacosane	380	C27H56	000593-49-7	87
3	Tridecane	184	C13H28	000629-50-5	86
4	Heneicosane	296	C21H44	000629-94-7	83
5	Hexadecane	226	C16H34	000544-76-3	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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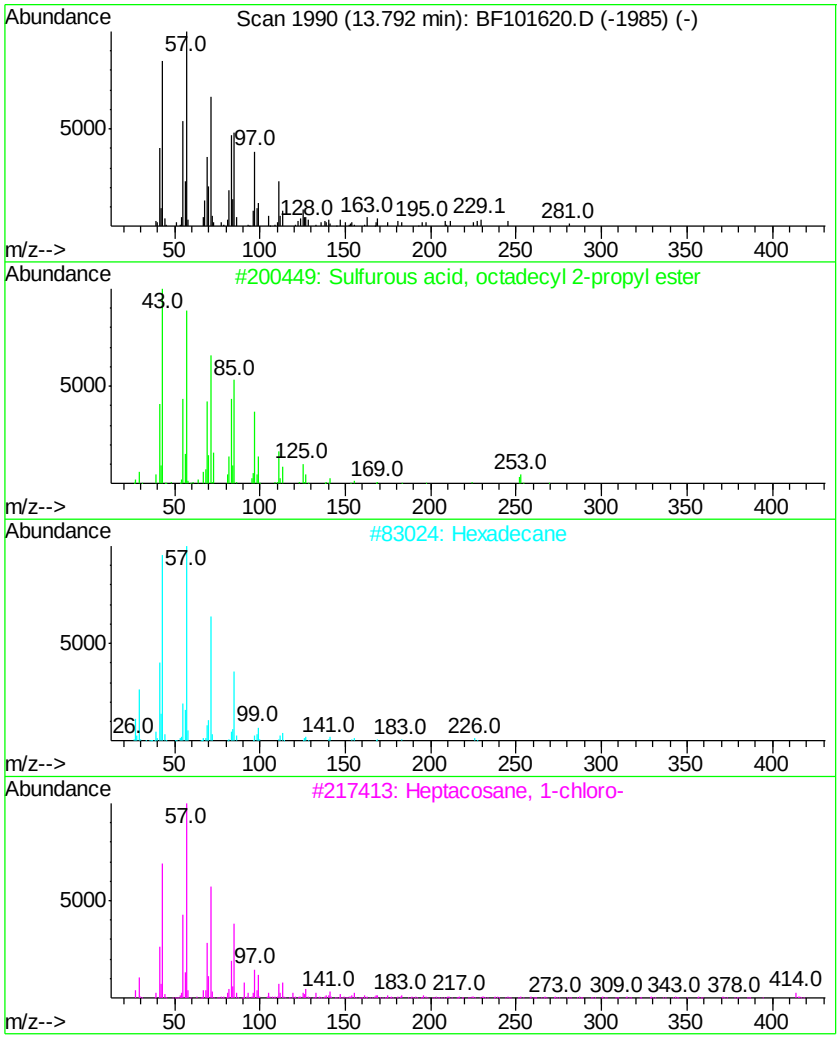
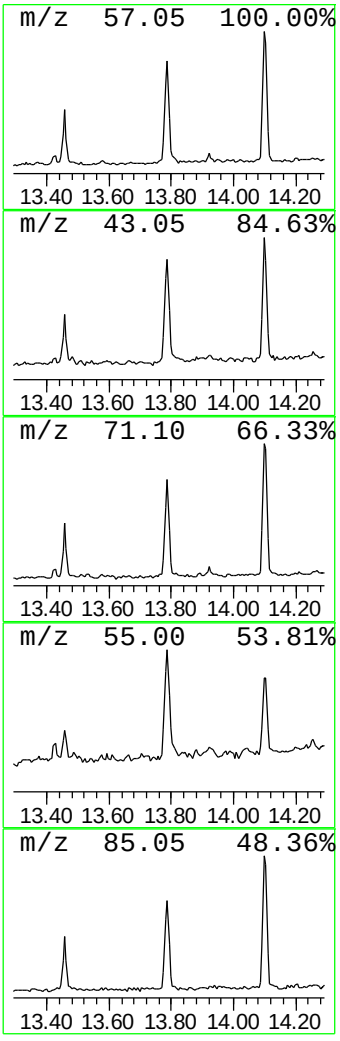
Peak Number 5 Sulfurous acid, octadecyl 2... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	4.99 ng	221104	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	86
2	Hexadecane	226	C16H34	000544-76-3	83
3	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	72
4	Pentadecane	212	C15H32	000629-62-9	62
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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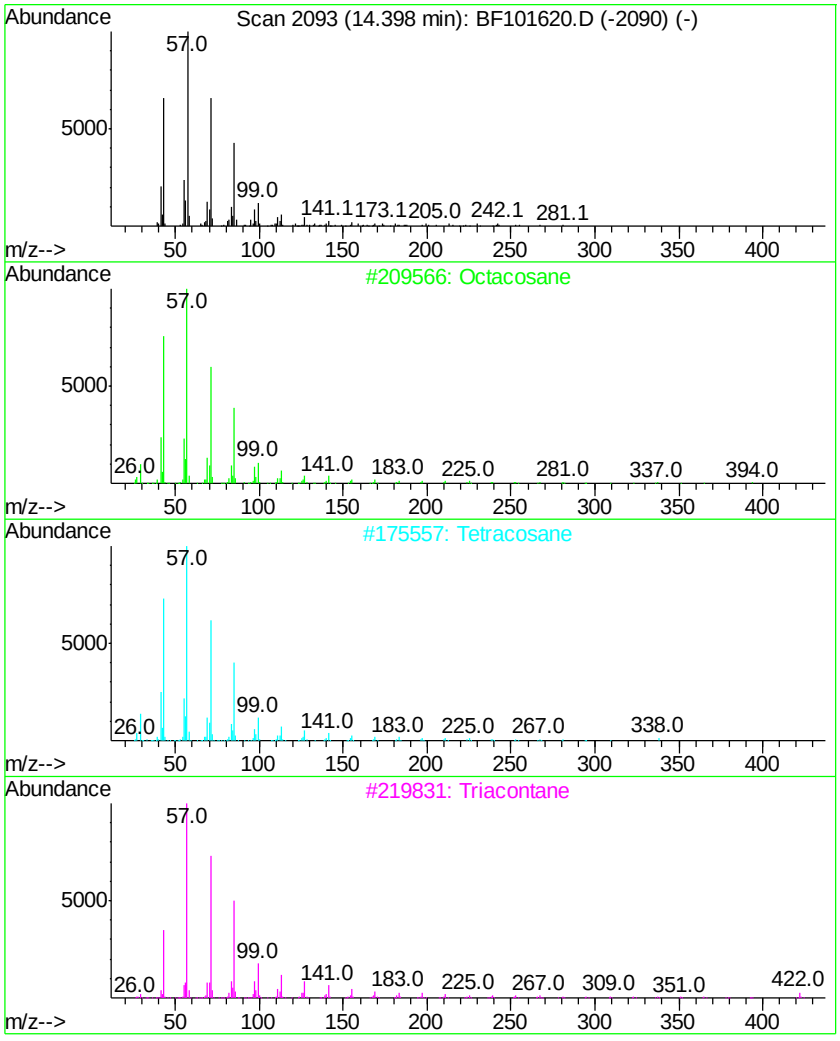
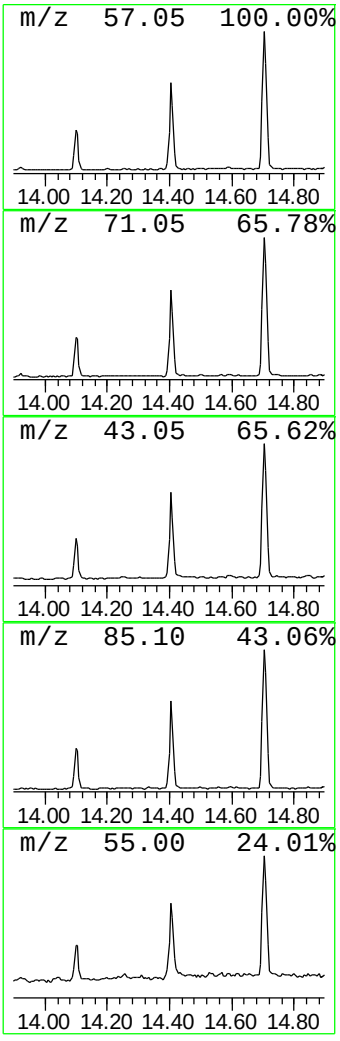
Peak Number 7 Octacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	10.09 ng	446934	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Triacontane	422	C30H62	000638-68-6	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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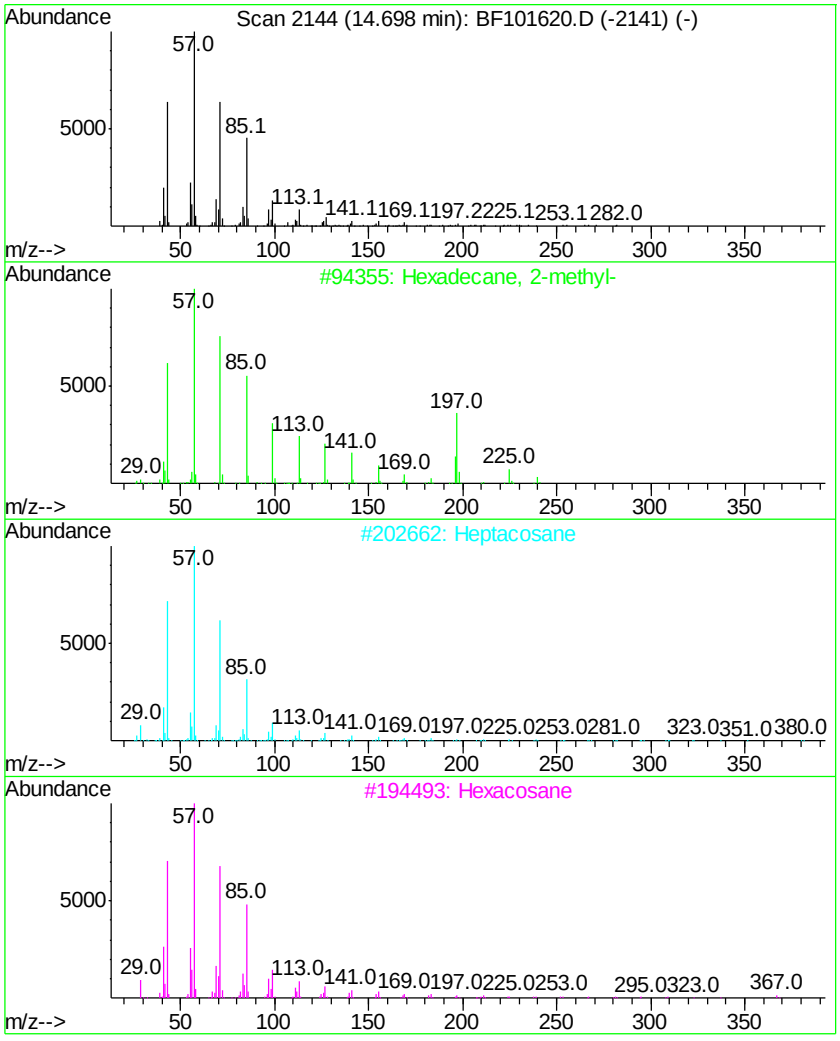
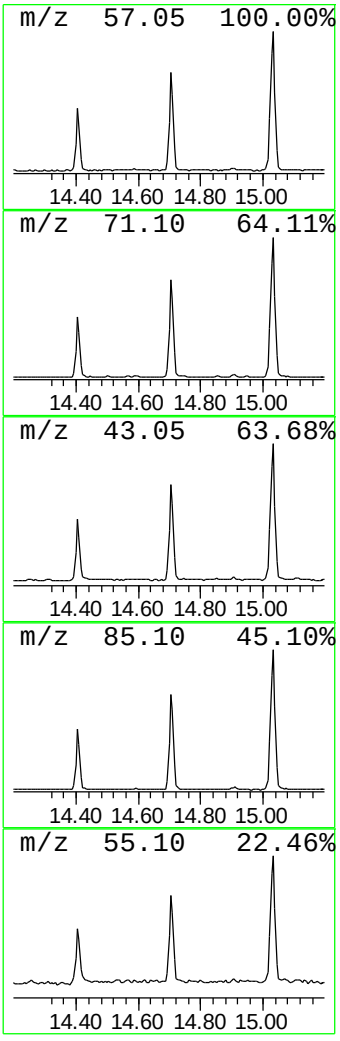
Peak Number 8 Hexadecane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	17.21 ng	762234	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	93
2	Heptacosane	380	C27H56	000593-49-7	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Octacosane	394	C28H58	000630-02-4	90
5	Tricosane	324	C23H48	000638-67-5	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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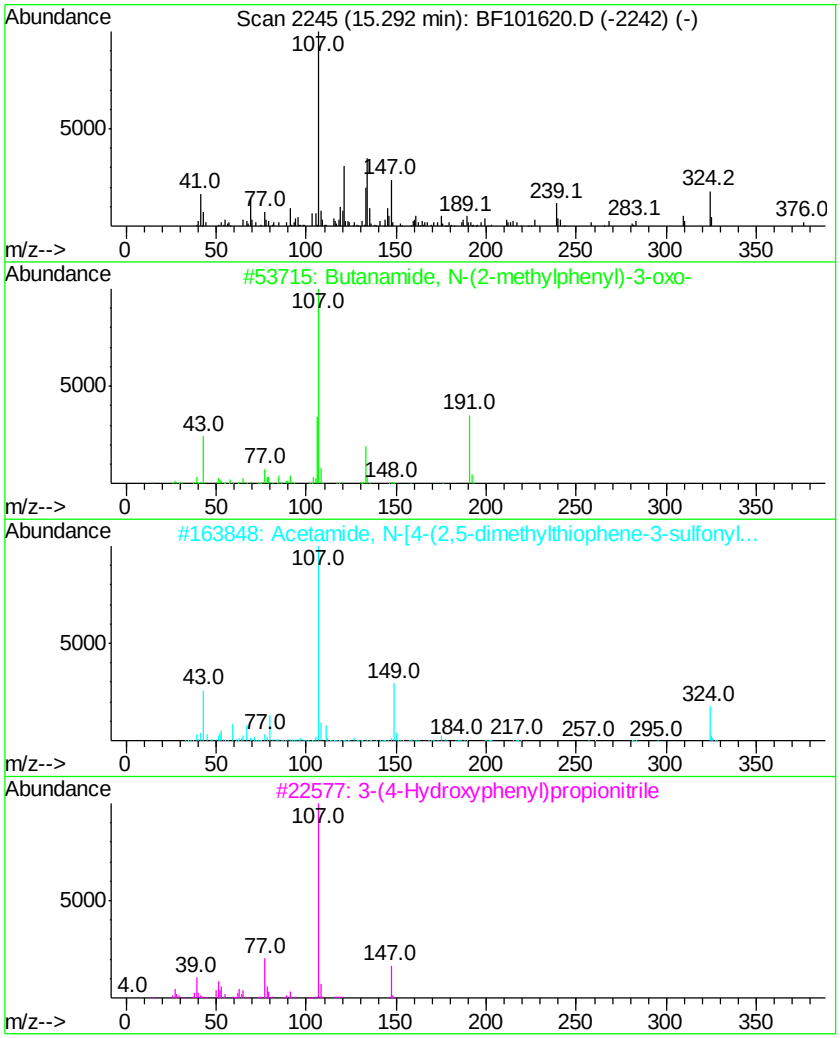
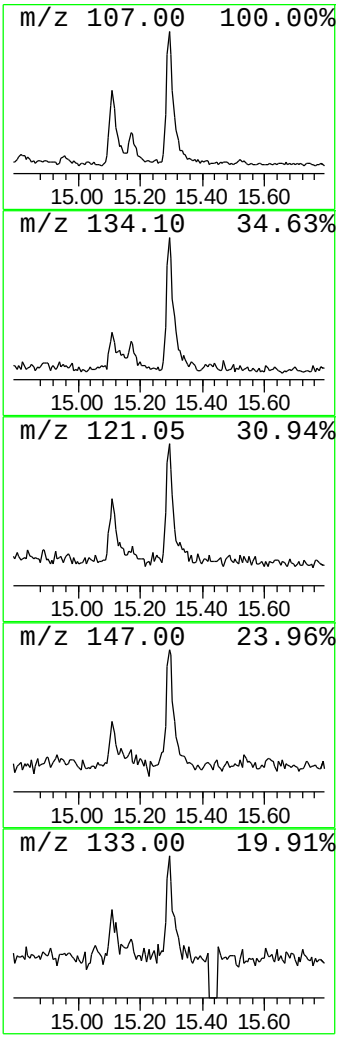
Peak Number 10 unknown15.29 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	3.88 ng	127640	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide, N-(2-methylphenyl)-3...	191	C11H13NO2	000093-68-5	46
2	Acetamide, N-[4-(2,5-dimethylthi...	324	C14H16N2O3S2	1000304-85-2	43
3	3-(4-Hydroxyphenyl)propionitrile	147	C9H9NO	017362-17-3	43
4	Propanamide, N-(3-methylphenyl)-...	239	C16H17NO	1000308-11-5	38
5	Phenol, 4-propyl-	136	C9H12O	000645-56-7	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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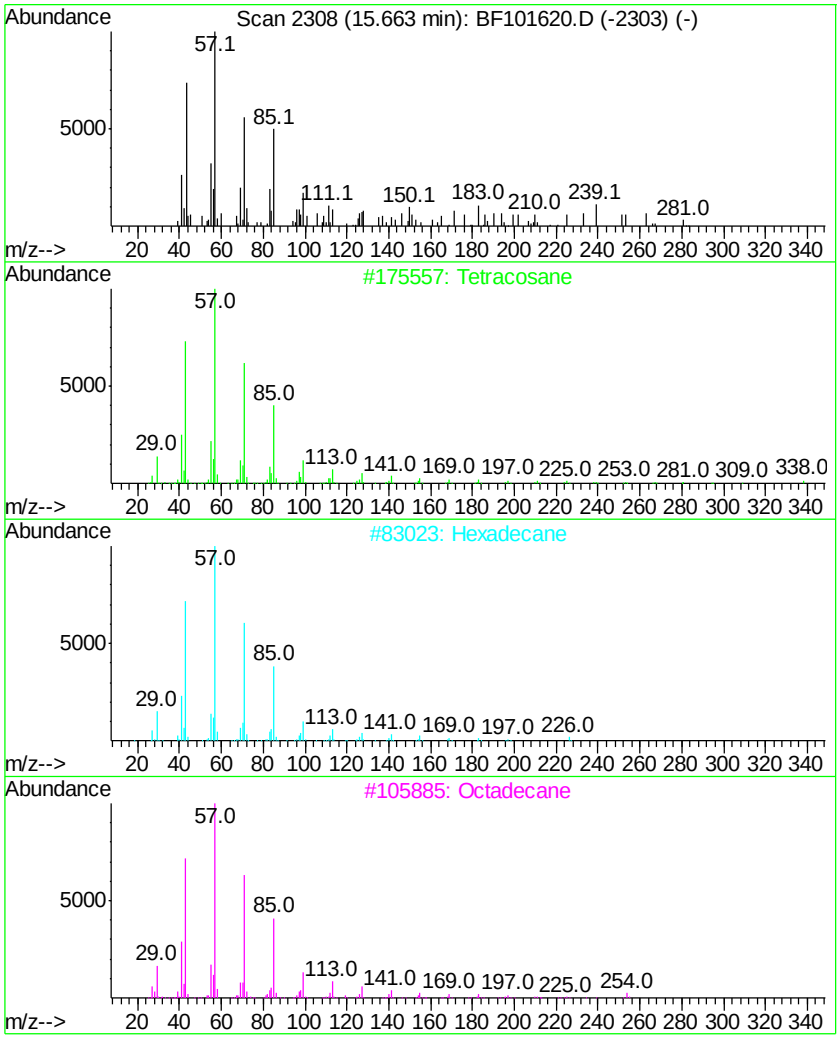
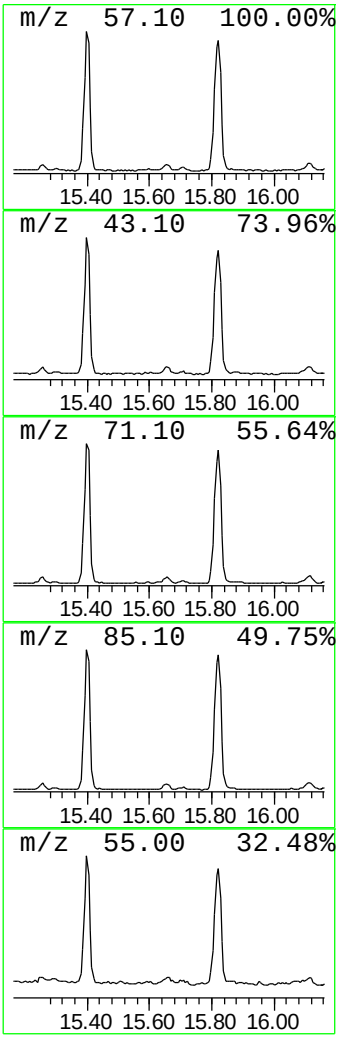
Peak Number 11 unknown15.66 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	2.21 ng	72875	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	49
2	Hexadecane	226	C16H34	000544-76-3	49
3	Octadecane	254	C18H38	000593-45-3	49
4	Octacosane	394	C28H58	000630-02-4	49
5	Pentadecane	212	C15H32	000629-62-9	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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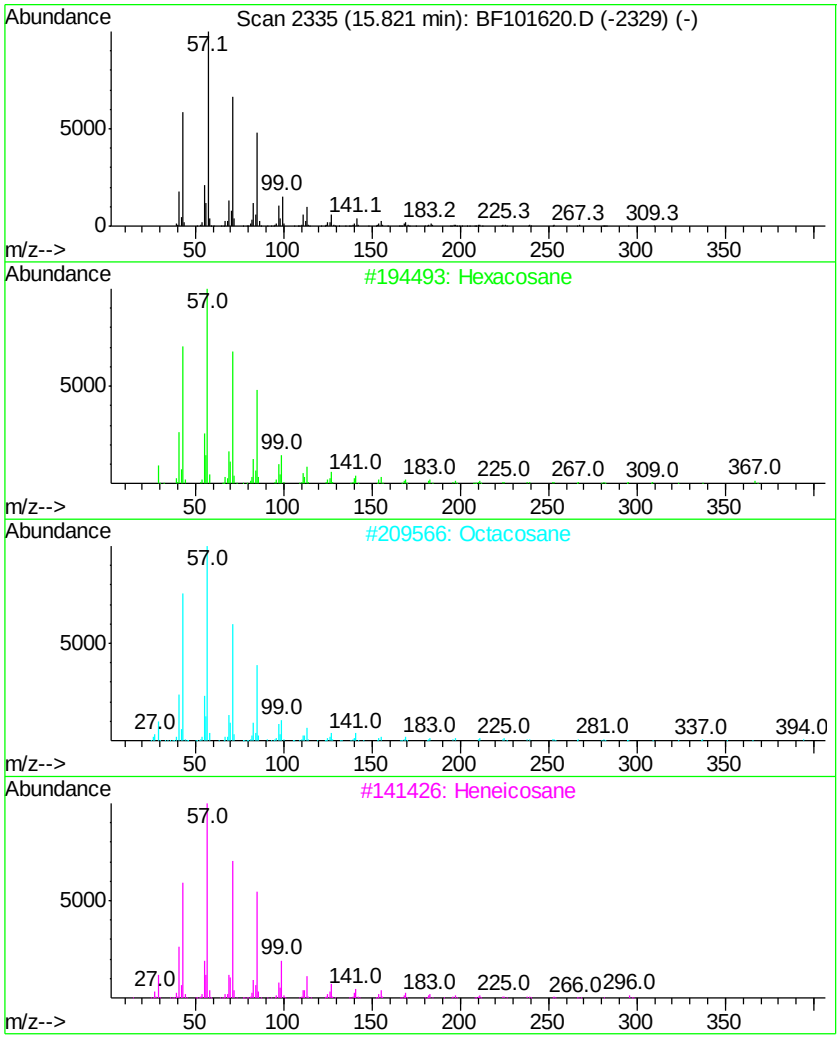
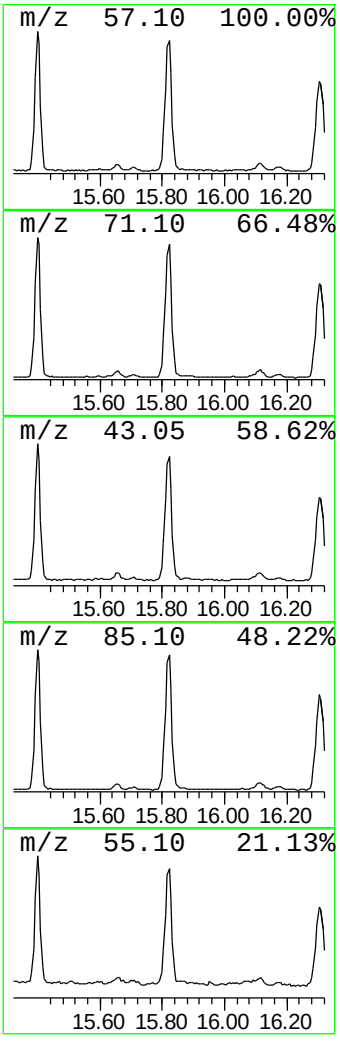
Peak Number 12 Hexacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	42.08 ng	1384810	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Hentriacontane	437	C31H64	000630-04-6	86
5	Eicosane	282	C20H42	000112-95-8	86





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Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

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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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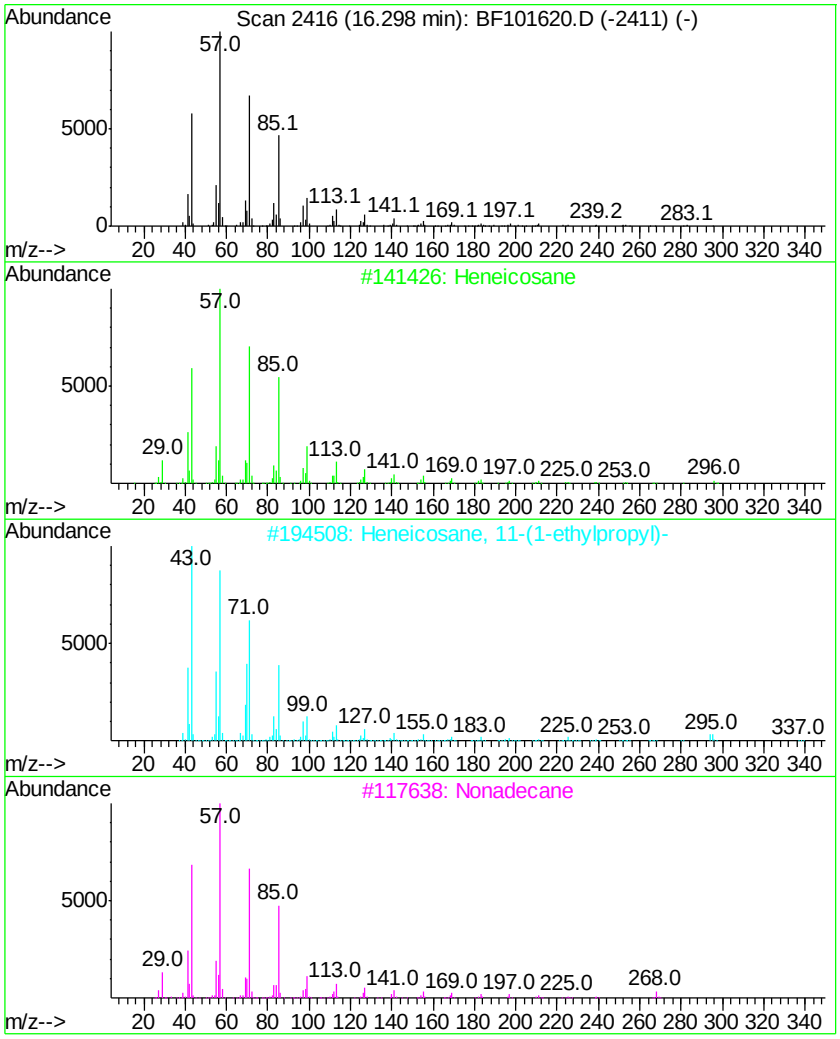
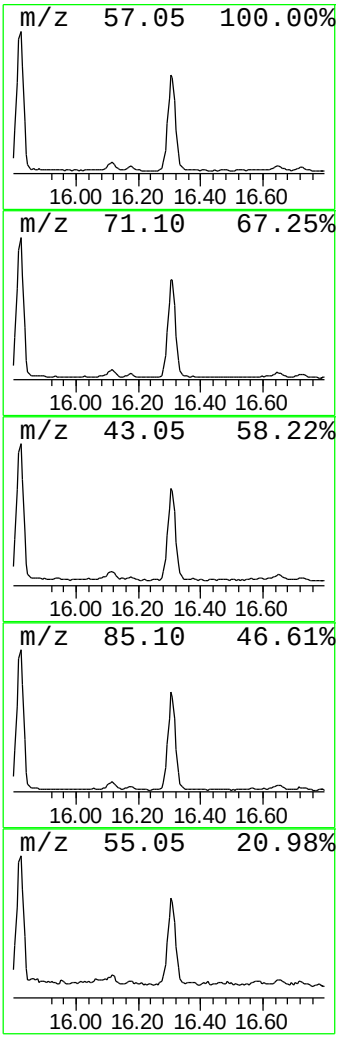
Peak Number 13 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	34.34 ng	1129880	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	90
3	Nonadecane	268	C19H40	000629-92-5	87
4	Hexadecane	226	C16H34	000544-76-3	87
5	Tetratetracontane	619	C44H90	007098-22-8	87





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Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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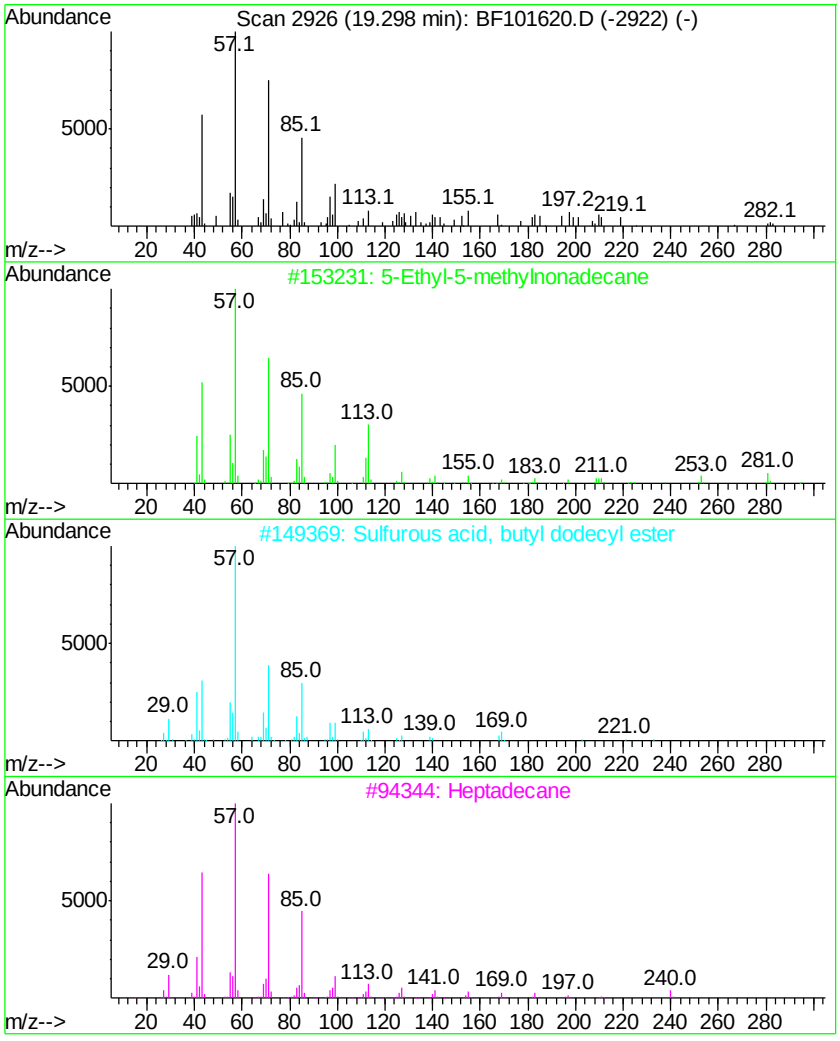
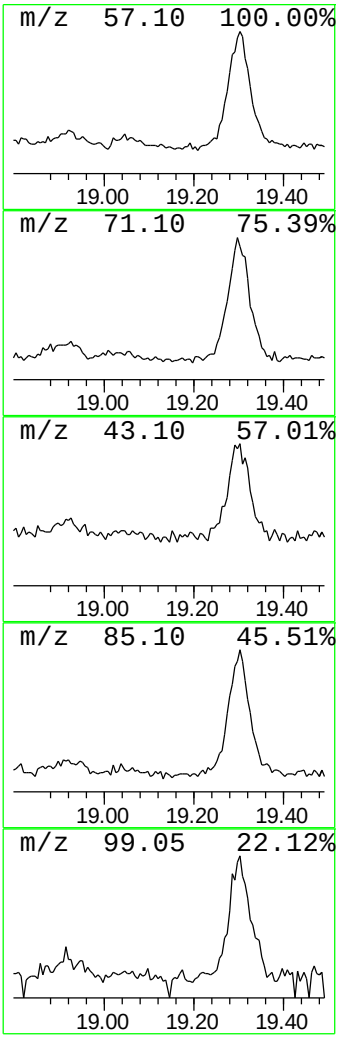
Peak Number 17 5-Ethyl-5-methylnonadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	6.04 ng	198841	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	72
2	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	59
3	Heptadecane	240	C17H36	000629-78-7	53
4	Hexacosane	366	C26H54	000630-01-3	52
5	Heptacosane	380	C27H56	000593-49-7	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101620.D
Acq On : 21 Dec 2017 21:15
Operator : SJ/JU
Sample : I6920-06
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HL-8C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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...	5.02	25.8	ng	1211390	1	6.79	938891	20.0
unknown6.57	6.57	68.8	ng	3232040	1	6.79	938891	20.0
Heptadecane	10.72	2.5	ng	133265	4	11.32	1056280	20.0
Sulfurous acid, o...	13.79	5.0	ng	221104	5	13.97	885620	20.0
Octacosane	14.40	10.1	ng	446934	5	13.97	885620	20.0
Hexadecane, 2-met...	14.70	17.2	ng	762234	5	13.97	885620	20.0
unknown15.29	15.29	3.9	ng	127640	6	15.44	658110	20.0
unknown15.66	15.66	2.2	ng	72875	6	15.44	658110	20.0
Hexacosane	15.82	42.1	ng	1384810	6	15.44	658110	20.0
Heneicosane	16.30	34.3	ng	1129880	6	15.44	658110	20.0
5-Ethyl-5-methyln...	19.30	6.0	ng	198841	6	15.44	658110	20.0