LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
Data File : BF094979.D
Acq On : 8 May 2017 12:57
Operator : SJ/MA
Sample : I2872-15
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PT-BNA-SOIL

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-BF050217.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	5.084	530	535	560	rBV	190058	606129	7.24%	0.411%
2	5.666	629	634	663	rBV	1621635	2551021	30.49%	1.731%
3	7.313	903	914	917	rBV2	2677369	6023542	71.99%	4.088%
4	7.383	919	926	929	rVV2	3439836	5915710	70.71%	4.015%
5	7.413	929	931	948	rVB	2151531	3121861	37.31%	2.119%
6	7.642	962	970	973	rBV	3671217	5639977	67.41%	3.827%
7	7.725	980	984	985	rBV	490343	509022	6.08%	0.345%
8	7.760	985	990	994	rVB	3611101	4843791	57.89%	3.287%
9	7.960	1019	1024	1026	rBV	1654774	2221945	26.56%	1.508%
10	7.983	1026	1028	1045	rVB	1981553	2180089	26.06%	1.479%
11	8.619	1130	1136	1139	rBV	817595	1566835	18.73%	1.063%
12	8.672	1139	1145	1148	rVB	2233012	3480536	41.60%	2.362%
13	9.566	1291	1297	1312	rBV	3194028	4948556	59.15%	3.358%
14	9.736	1322	1326	1330	rBV	719312	774371	9.26%	0.526%
15	10.748	1492	1498	1515	rBV	2898451	4216633	50.40%	2.862%
16	11.271	1583	1587	1590	rBV	92087	104348	1.25%	0.071%
17	11.401	1605	1609	1614	rBV	87463	96108	1.15%	0.065%
18	11.460	1614	1619	1624	rVV	1999058	3282605	39.23%	2.228%
19	11.519	1624	1629	1646	rVV	2479517	3579997	42.79%	2.430%
20	11.695	1650	1659	1662	rVV	3467764	5447195	65.11%	3.697%
21	11.724	1662	1664	1674	rVB	99521	146502	1.75%	0.099%
22	12.213	1740	1747	1750	rBV	1853252	2506128	29.95%	1.701%
23	12.348	1762	1770	1773	rBV	3143330	4528169	54.12%	3.073%
24	12.566	1802	1807	1811	rBV2	633331	832628	9.95%	0.565%
25	12.624	1811	1817	1821	rVB	2515443	3241320	38.74%	2.200%
26	12.954	1868	1873	1891	rBV	922499	2028124	24.24%	1.376%
27	13.377	1936	1945	1948	rBV	3147718	5721923	68.39%	3.883%
28	13.407	1948	1950	1954	rVV	88879	102217	1.22%	0.069%
29	13.465	1954	1960	1968	rVB	2237036	3030347	36.22%	2.057%
30	13.865	2022	2028	2040	rBV	1320031	1709891	20.44%	1.160%
31	14.377	2106	2115	2119	rBV	2754749	5372055	64.21%	3.646%
32	14.965	2210	2215	2218	rBV	711257	888946	10.62%	0.603%
33	15.012	2218	2223	2226	rVB	2447545	3097953	37.03%	2.102%
34	15.959	2375	2384	2387	rBV	4070300	6907725	82.56%	4.688%

LSC Area Percent Report

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Data File : BF094979.D
Acq On : 8 May 2017 12:57
Operator : SJ/MA
Sample : I2872-15
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PT-BNA-SOIL

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-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.753	2513	2519	2531	rVB	2171117	2653047	31.71%	1.800%
36	17.059	2562	2571	2583	rBV	2346723	3170238	37.89%	2.151%
37	17.295	2606	2611	2624	rVB	2174707	2884614	34.48%	1.958%
38	17.965	2718	2725	2742	rBV	2989386	4561822	54.52%	3.096%
39	18.636	2832	2839	2843	rBV	2100741	4065249	48.59%	2.759%
40	18.706	2843	2851	2872	rVB2	3592007	8366711	100.00%	5.678%
41	19.330	2951	2957	2964	rBV	70706	85550	1.02%	0.058%
42	19.471	2975	2981	2991	rVB	2317307	2864324	34.23%	1.944%
43	19.771	3028	3032	3037	rVB	92948	100153	1.20%	0.068%
44	19.906	3049	3055	3058	rBV	1599149	2585916	30.91%	1.755%
45	19.953	3058	3063	3076	rVV	2354523	5576471	66.65%	3.784%
46	20.053	3076	3080	3086	rVB	155721	189741	2.27%	0.129%
47	20.271	3110	3117	3122	rBV	1635089	3118936	37.28%	2.117%
48	20.318	3122	3125	3136	rVV	349864	731574	8.74%	0.496%
49	20.771	3196	3202	3208	rVB3	92651	142668	1.71%	0.097%
50	21.641	3339	3350	3372	rBV	1470601	5033012	60.16%	3.416%

Sum of corrected areas: 147354225

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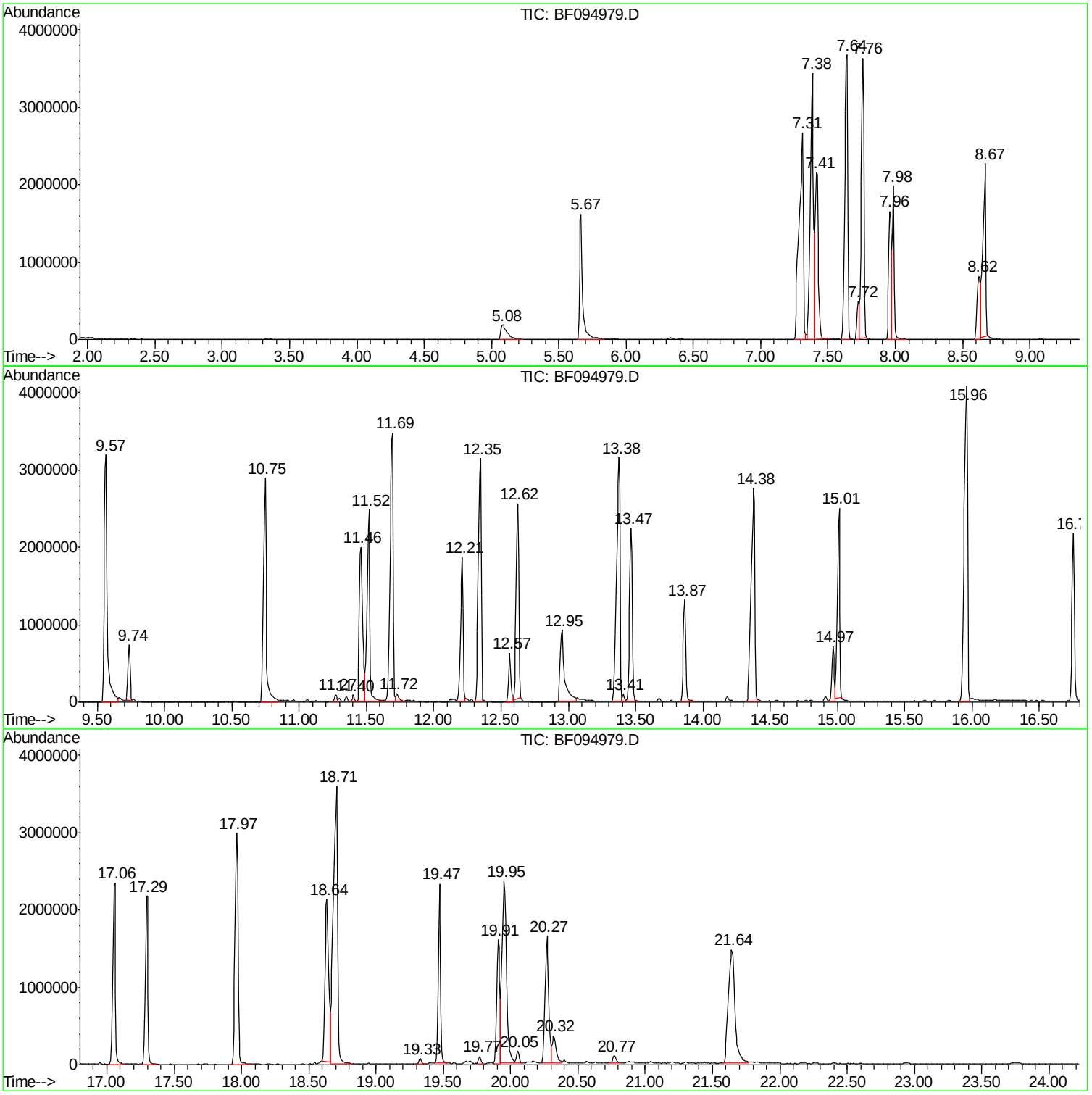
Instrument : BNA_F
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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\BF050817\
Data File : BF094979.D
Acq On : 8 May 2017 12:57
Operator : SJ/MA
Sample : I2872-15
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

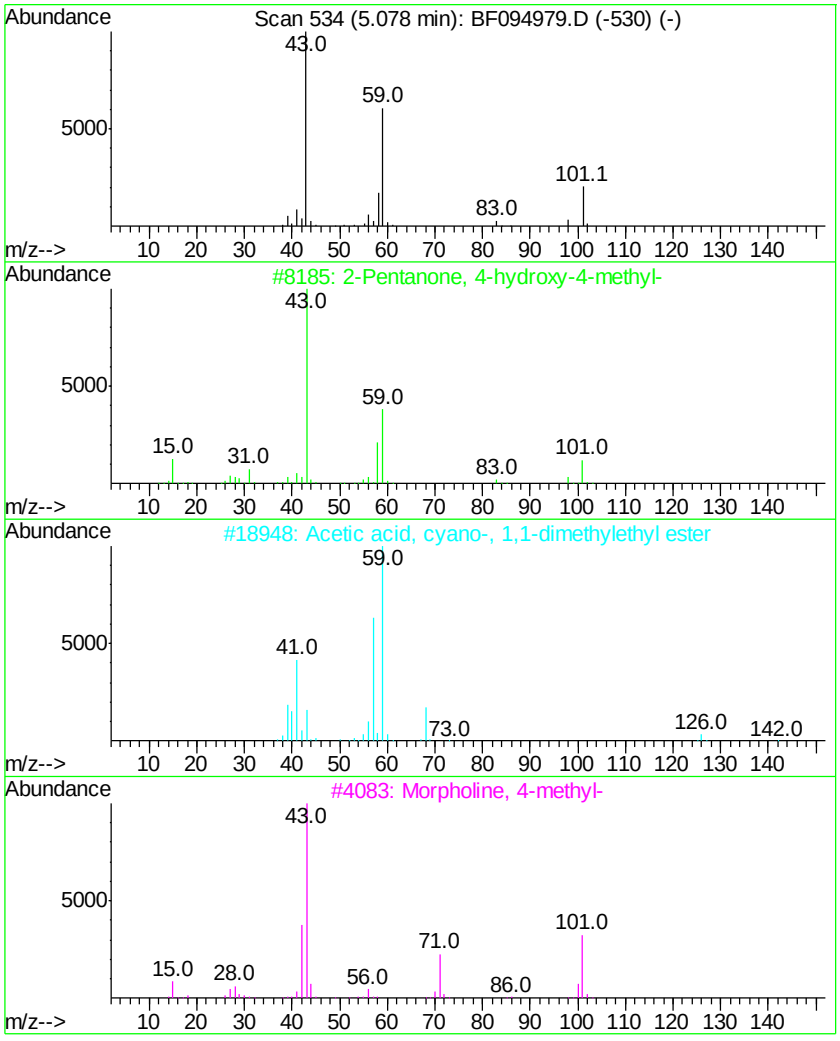
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

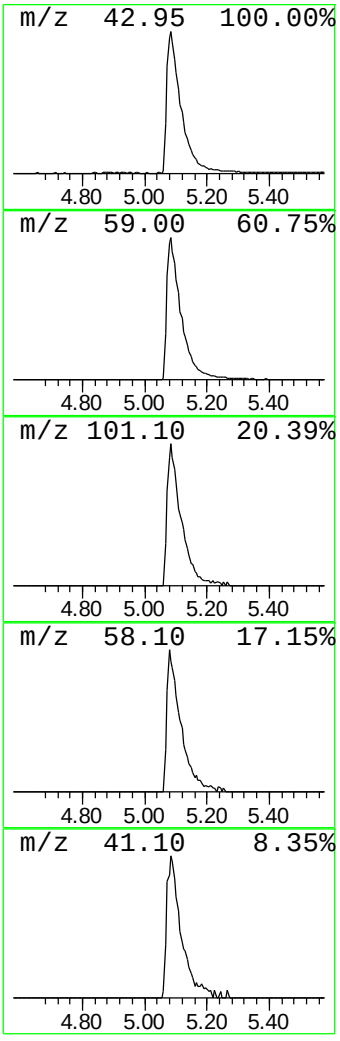
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	23.82 ng	606129	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
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Acq On : 8 May 2017 12:57
Operator : SJ/MA
Sample : I2872-15
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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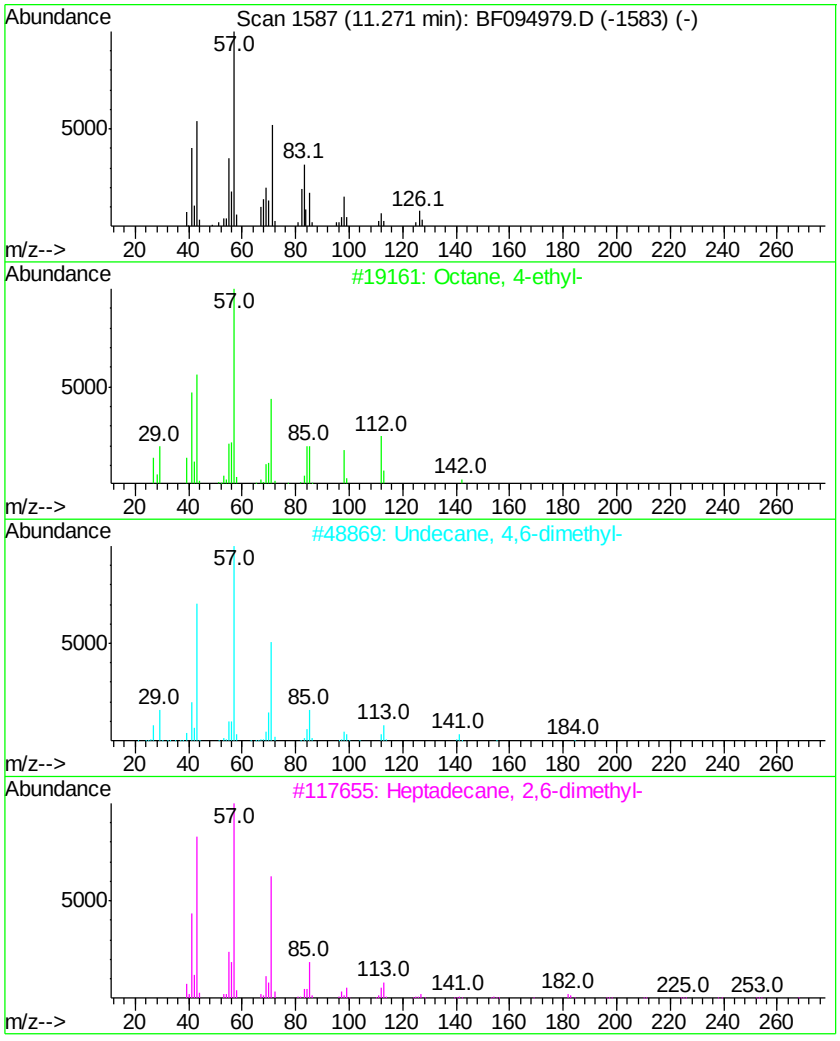
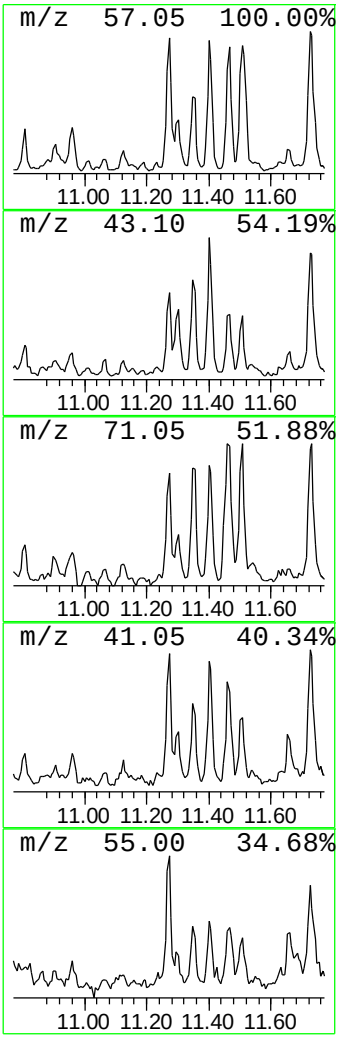
Peak Number 2 unknown11.27 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	2.51 ng	104348	Acenaphthene-d10	12.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-ethyl-	142	C10H22	015869-86-0	47
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	47
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	47
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
5	Undecane	156	C11H24	001120-21-4	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
Data File : BF094979.D
Acq On : 8 May 2017 12:57
Operator : SJ/MA
Sample : I2872-15
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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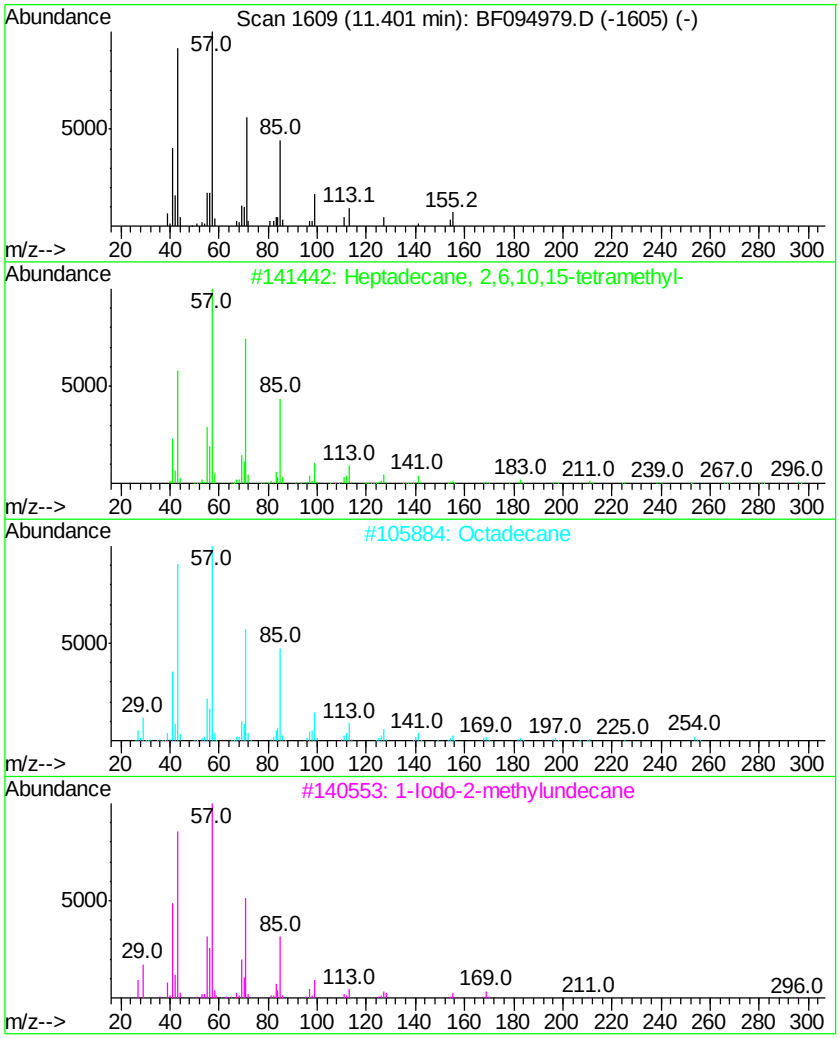
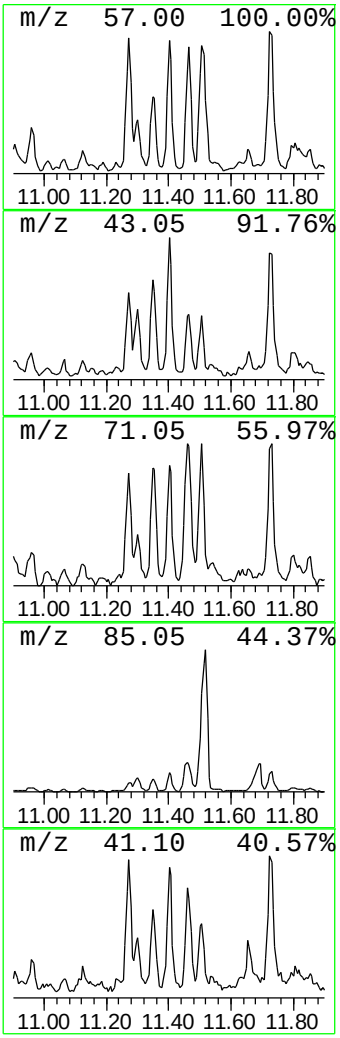
Peak Number 3 Heptadecane, 2,6,10,15-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	2.31 ng	96108	Acenaphthene-d10	12.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2	Octadecane	254	C18H38	000593-45-3	80
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	78
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	78
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	72





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Operator : SJ/MA
Sample : I2872-15
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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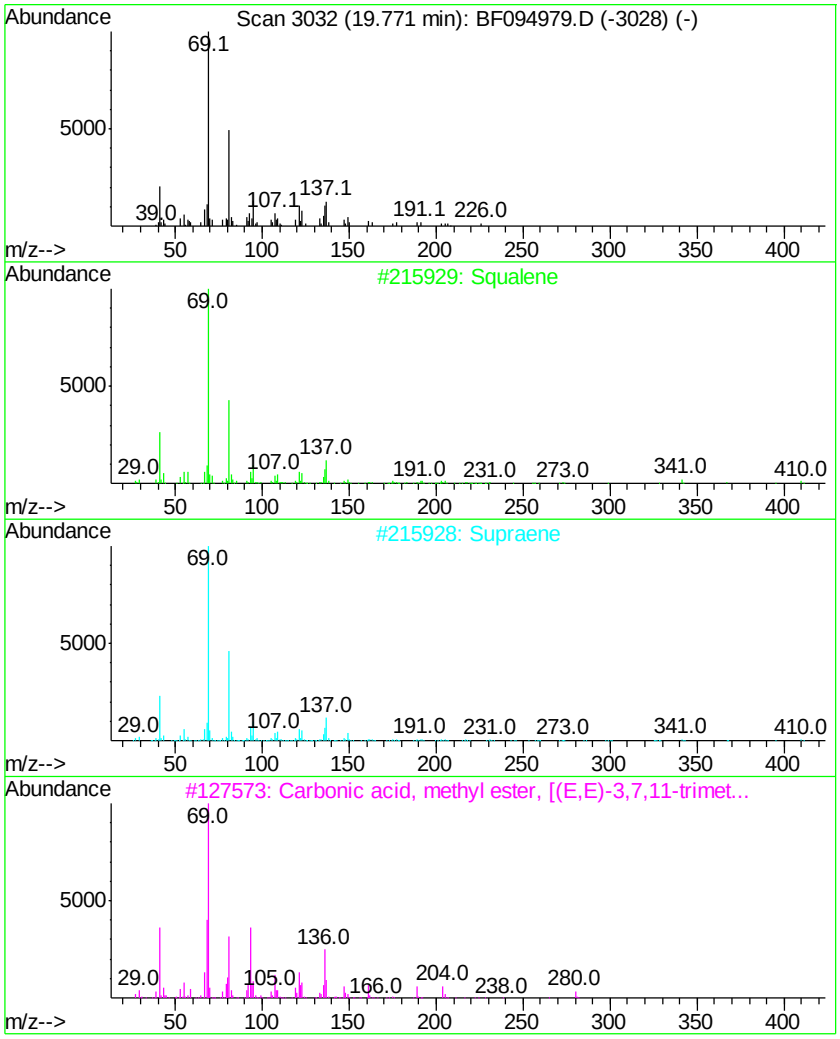
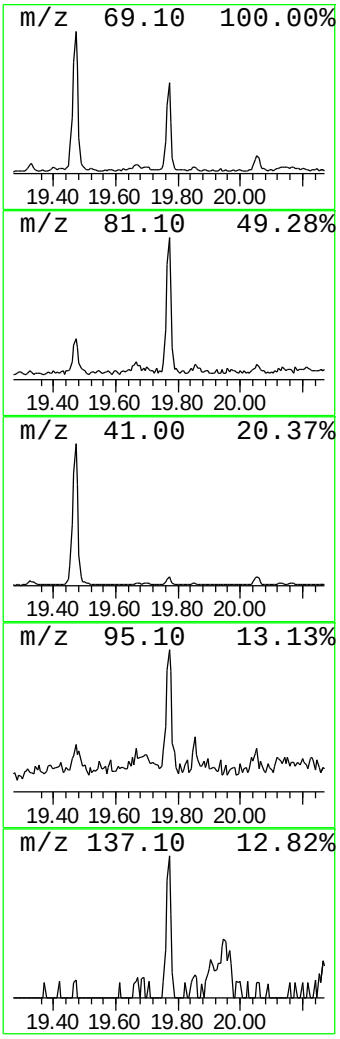
Peak Number 4 Squalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.74 ng	100153	Perylene-d12	20.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	91
2	Supraene	410	C30H50	007683-64-9	87
3	Carbonic acid, methyl ester, [(E...	280	C17H28O3	1000164-38-7	78
4	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	64
5	3,7,11-Tridecatrienenitrile, 4,8...	231	C16H25N	006006-01-5	56





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Acq On : 8 May 2017 12:57
Operator : SJ/MA
Sample : I2872-15
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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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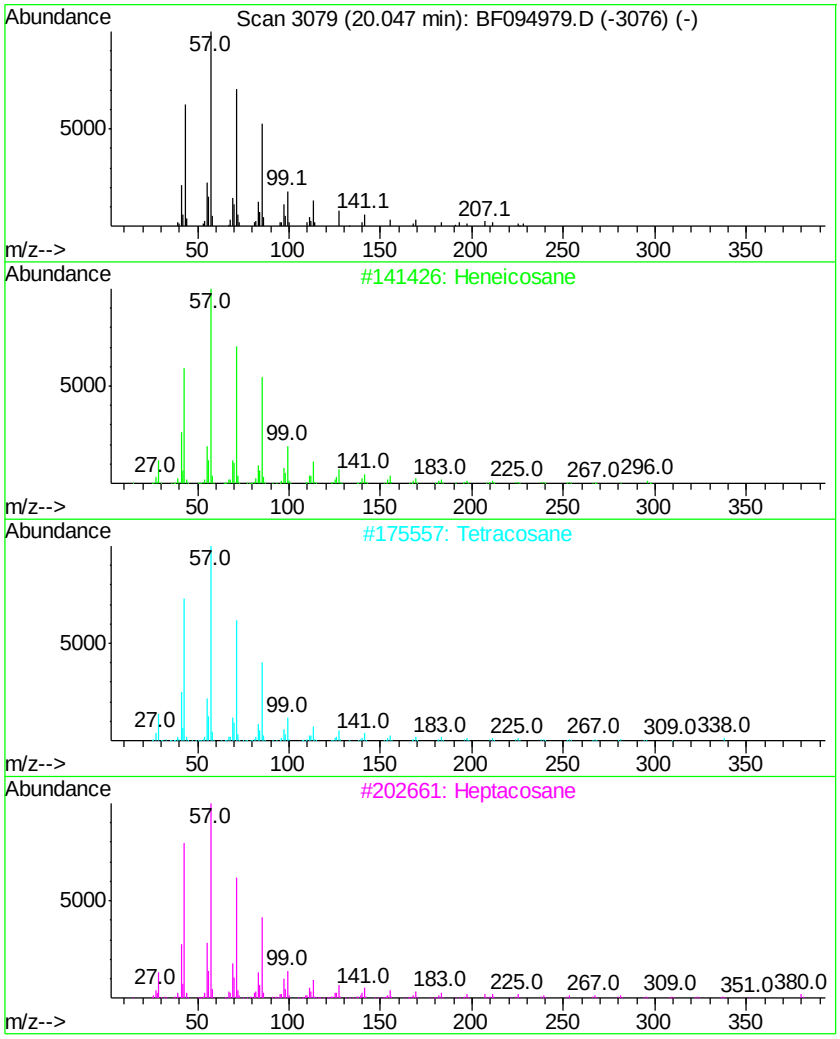
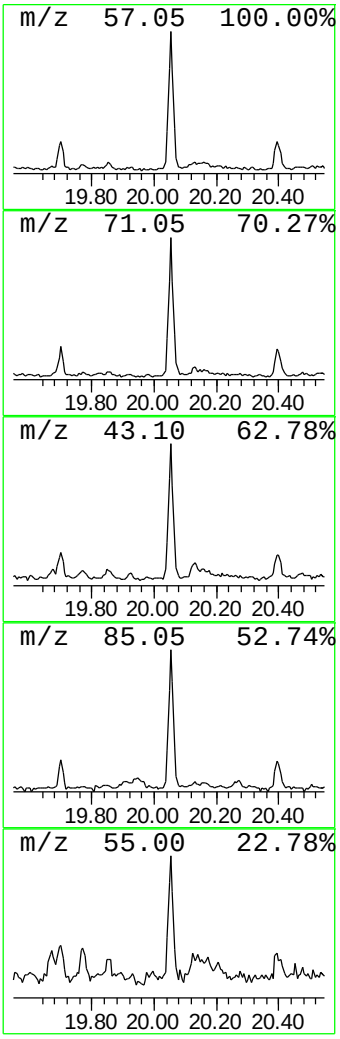
Peak Number 5 Heneicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	5.19 ng	189741	Perylene-d12	20.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	90
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
Data File : BF094979.D
Acq On : 8 May 2017 12:57
Operator : SJ/MA
Sample : I2872-15
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PT-BNA-SOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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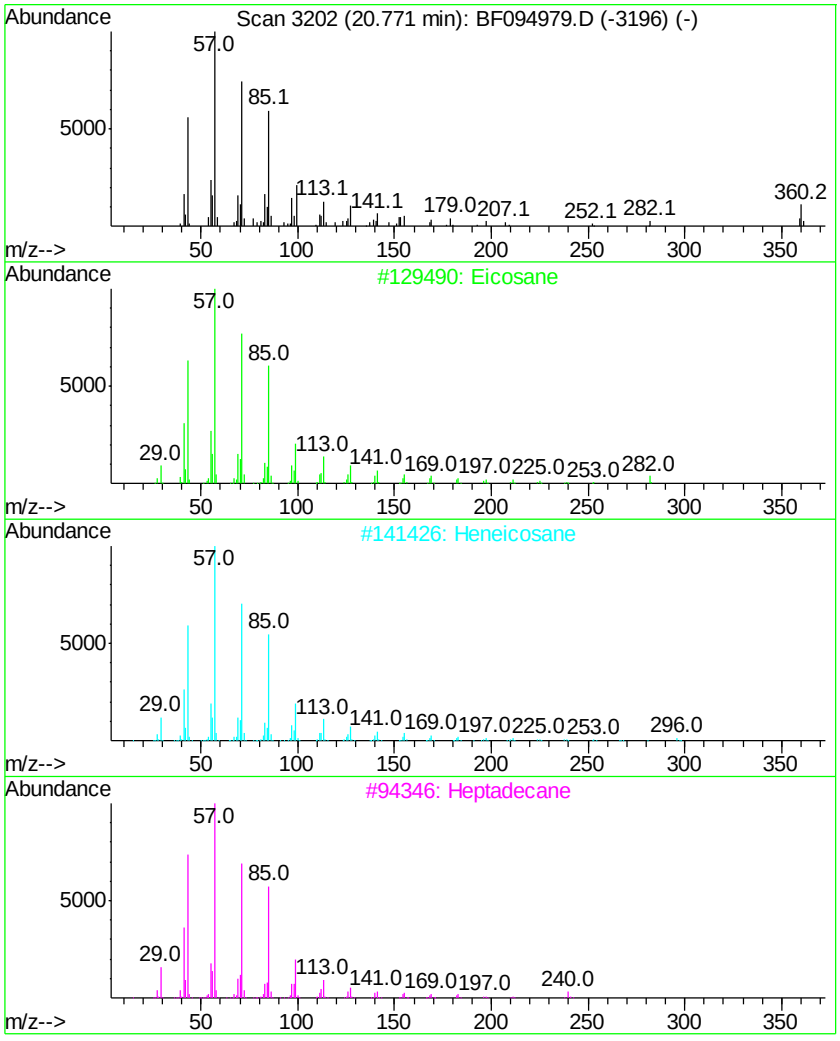
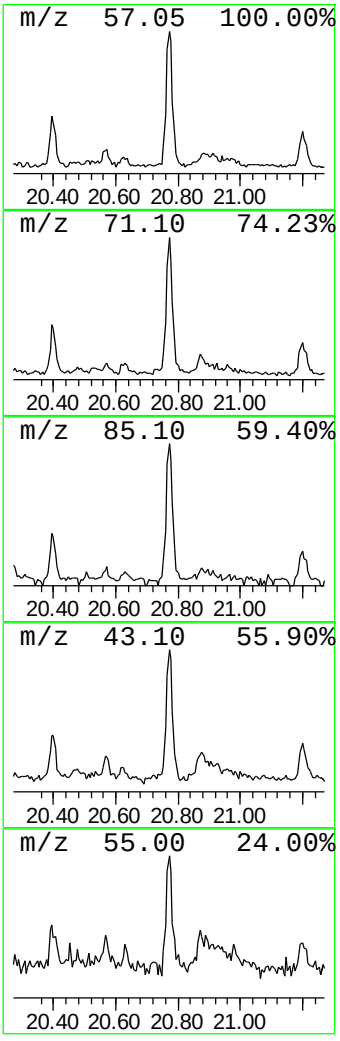
Peak Number 6 Eicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	3.90 ng	142668	Perylene-d12	20.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heneicosane	296	C21H44	000629-94-7	90
3	Heptadecane	240	C17H36	000629-78-7	87
4	Hexacosane	366	C26H54	000630-01-3	87
5	Tetracosane	338	C24H50	000646-31-1	87





Tentatively Identified Compound (LSC) summary

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Data File : BF094979.D
Acq On : 8 May 2017 12:57
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Misc :
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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...	5.08	23.8	ng	606129	1	7.72	509022	20.0
unknown11.27	11.27	2.5	ng	104348	3	12.57	832628	20.0
Heptadecane, 2,6,...	11.40	2.3	ng	96108	3	12.57	832628	20.0
Squalene	19.77	2.7	ng	100153	6	20.32	731574	20.0
Heneicosane	20.05	5.2	ng	189741	6	20.32	731574	20.0
Eicosane	20.77	3.9	ng	142668	6	20.32	731574	20.0