

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051618\
 Data File : BG034495.D
 Acq On : 16 May 2018 19:22
 Operator : SJ/JU
 Sample : J2604-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 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_G\METHODS\8270-BG051618.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	5.614	389	396	405	rBV	1062228	1713269	12.07%	0.898%
2	7.207	658	667	678	rBV	1268233	2195051	15.47%	1.150%
3	7.577	723	730	739	rBV	1118668	1946664	13.72%	1.020%
4	7.935	783	791	800	rVB	976430	1626150	11.46%	0.852%
5	8.082	800	816	824	rBV	2228003	4090112	28.82%	2.143%
6	8.405	857	871	879	rVB2	2012937	4735993	33.37%	2.481%
7	9.210	1000	1008	1017	rVB	825002	1427146	10.06%	0.748%
8	10.268	1179	1188	1194	rBV	1054290	1808275	12.74%	0.947%
9	10.515	1221	1230	1243	rBV	3141860	5622568	39.62%	2.946%
10	10.726	1258	1266	1276	rVB	1257031	2200883	15.51%	1.153%
11	10.861	1279	1289	1295	rBV	314471	601063	4.24%	0.315%
12	11.196	1338	1346	1354	rBV	2989848	5111531	36.02%	2.678%
13	12.142	1499	1507	1516	rBV	1441629	2434460	17.16%	1.275%
14	12.518	1562	1571	1579	rBV	1363420	2212160	15.59%	1.159%
15	13.129	1667	1675	1681	rBV	4195519	6949561	48.97%	3.641%
16	13.200	1681	1687	1699	rVB2	1684456	2762116	19.46%	1.447%
17	13.317	1699	1707	1714	rVB	2201725	3330388	23.47%	1.745%
18	13.570	1743	1750	1757	rVB	2027116	3357802	23.66%	1.759%
19	14.157	1844	1850	1856	rBV	205987	350800	2.47%	0.184%
20	14.281	1862	1871	1877	rVB	4392036	7463167	52.59%	3.910%
21	14.422	1886	1895	1902	rVB	3111282	4920126	34.67%	2.578%
22	14.698	1935	1942	1947	rBV2	487581	808553	5.70%	0.424%
23	14.763	1947	1953	1960	rVB	2913247	4509330	31.78%	2.362%
24	14.927	1971	1981	1991	rBV	2156440	3796676	26.76%	1.989%
25	15.744	2113	2120	2127	rVB2	9019129	14190309	100.00%	7.434%
26	16.184	2187	2195	2204	rBV	2145855	3296164	23.23%	1.727%
27	16.402	2228	2232	2242	rVB4	69557	142729	1.01%	0.075%
28	16.637	2265	2272	2284	rVB	5107694	7742664	54.56%	4.056%
29	16.760	2284	2293	2299	rBV	4185236	6698738	47.21%	3.509%
30	17.107	2341	2352	2363	rBV	5182888	8275650	58.32%	4.336%
31	17.448	2403	2410	2413	rBV	608269	961044	6.77%	0.503%
32	17.501	2413	2419	2429	rVB	4165201	6598961	46.50%	3.457%
33	18.341	2556	2562	2568	rBV	526310	737472	5.20%	0.386%
34	18.417	2568	2575	2580	rVB	4905544	6658825	46.93%	3.488%

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051618\
 Data File : BG034495.D
 Acq On : 16 May 2018 19:22
 Operator : SJ/JU
 Sample : J2604-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 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_G\METHODS\8270-BG051618.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.504	2754	2760	2767	rVB	3612450	5506004	38.80%	2.885%
36	19.604	2772	2777	2789	rBV2	348396	514377	3.62%	0.269%
37	20.062	2849	2855	2862	rVB	3793802	5022191	35.39%	2.631%
38	20.756	2966	2973	2978	rBV	4006093	4927857	34.73%	2.582%
39	21.372	3072	3078	3083	rBV4	143033	230341	1.62%	0.121%
40	21.625	3113	3121	3127	rBV	4913129	7065707	49.79%	3.702%
41	21.725	3129	3138	3150	rBV2	2976453	5890104	41.51%	3.086%
42	23.452	3427	3432	3440	rVB3	77929	153160	1.08%	0.080%
43	24.046	3521	3533	3546	rVB	2064237	5574449	39.28%	2.920%
44	24.868	3659	3673	3686	rVB	2339345	6767569	47.69%	3.545%
45	25.009	3687	3697	3711	rVB2	380619	1144937	8.07%	0.600%
46	26.208	3893	3901	3913	rVB5	173650	522170	3.68%	0.274%
47	28.411	4264	4276	4286	rVB10	57926	212058	1.49%	0.111%
48	28.834	4313	4348	4366	rVB3	1307227	10001058	70.48%	5.239%
49	29.275	4409	4423	4424	rBV10	92429	228469	1.61%	0.120%
50	29.492	4447	4460	4468	rBV10	91822	381276	2.69%	0.200%
51	29.951	4514	4538	4555	rVB2	1004902	5461295	38.49%	2.861%

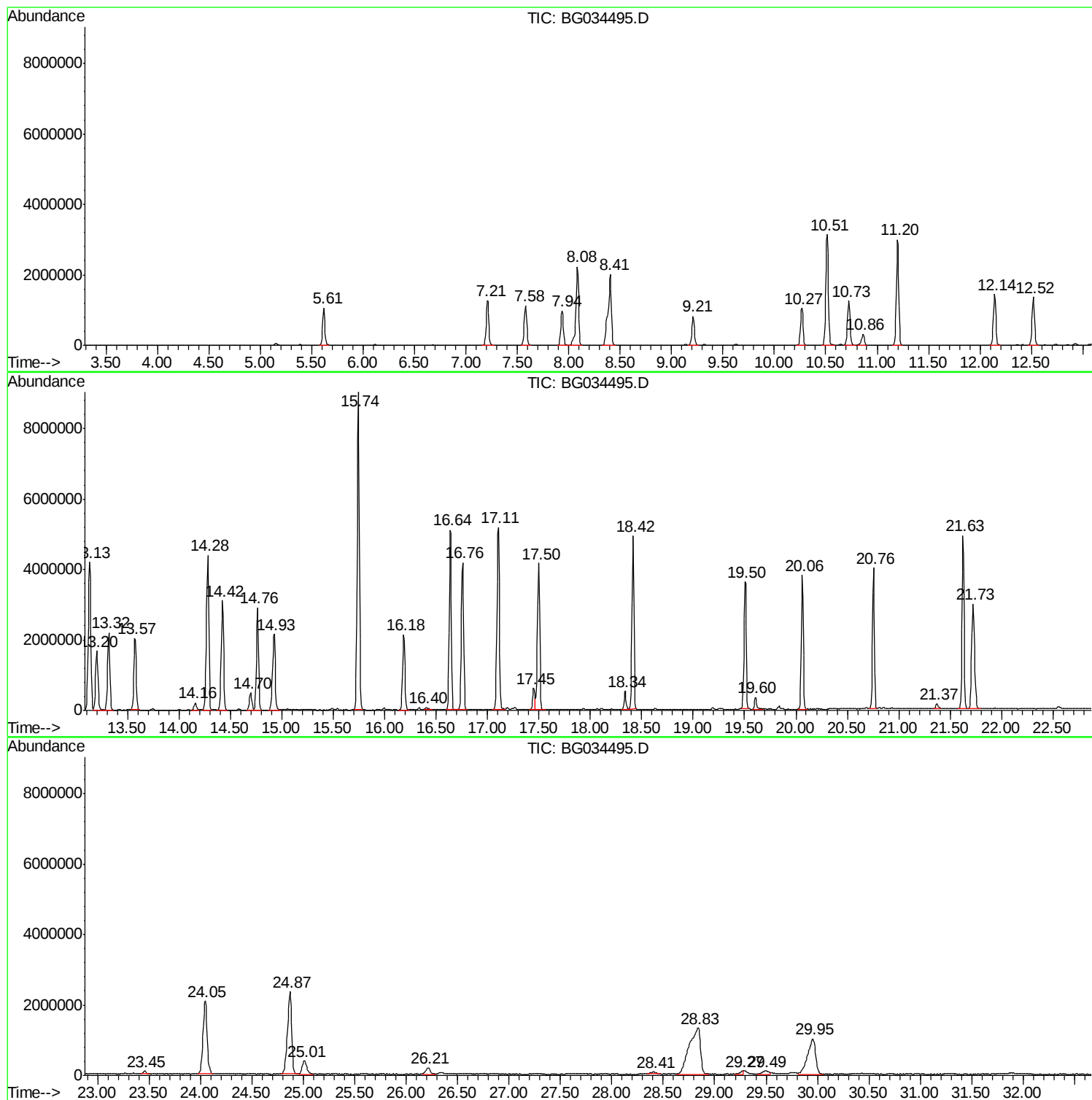
Sum of corrected areas: 190879422

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051618\
Data File : BG034495.D
Acq On : 16 May 2018 19:22
Operator : SJ/JU
Sample : J2604-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-Soil

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.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 G\DATA\BG051618\
Data File : BG034495.D
Acq On : 16 May 2018 19:22
Operator : SJ/JU
Sample : J2604-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-Soil

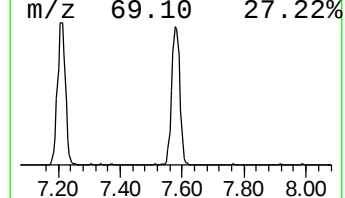
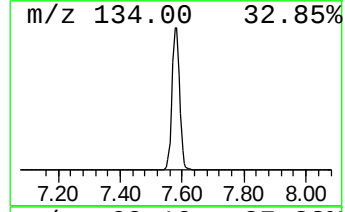
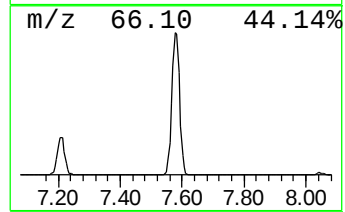
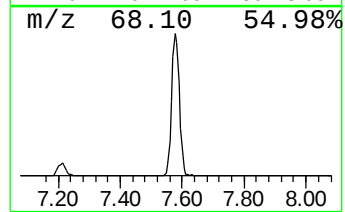
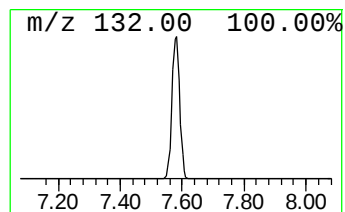
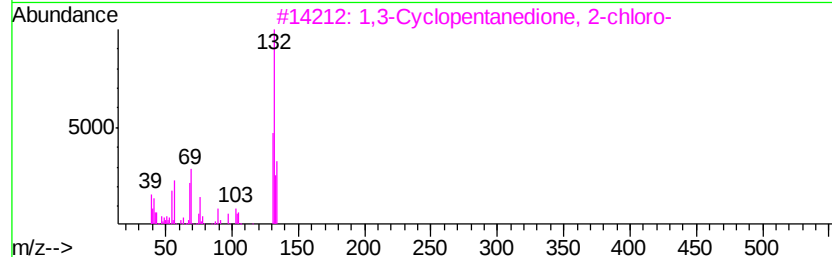
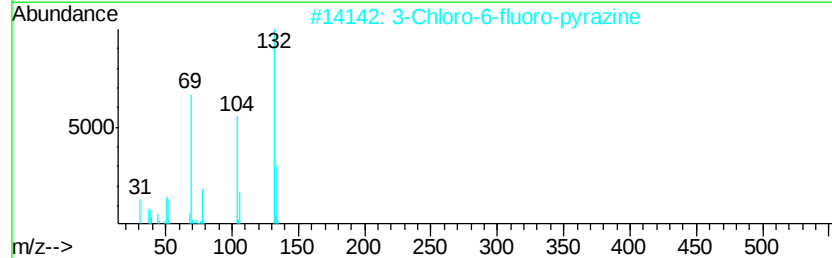
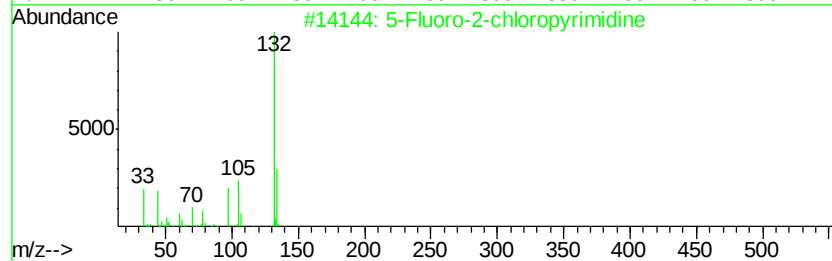
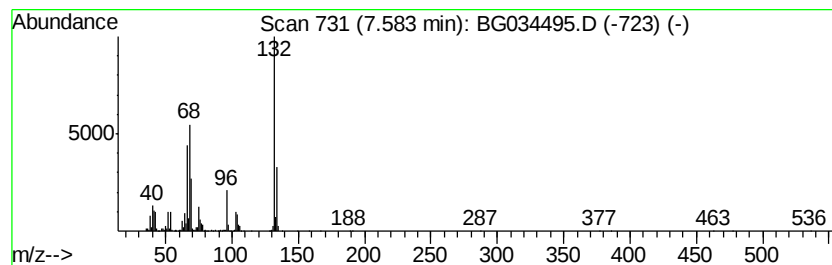
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	9.52 ng	1946660	1,4-Dichlorobenzene-d4	8.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	14
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
3		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	12
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	10
5		1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	10



Data Path : Z:\HPCHEM1\BNA G\DATA\BG051618\
Data File : BG034495.D
Acq On : 16 May 2018 19:22
Operator : SJ/JU
Sample : J2604-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-Soil

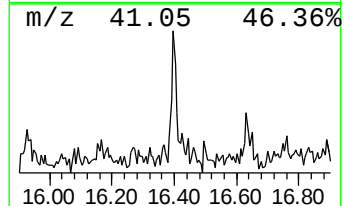
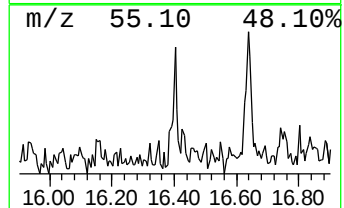
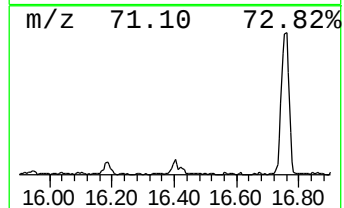
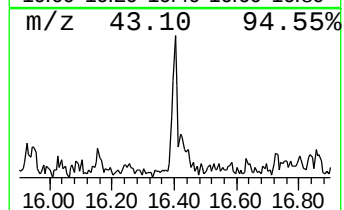
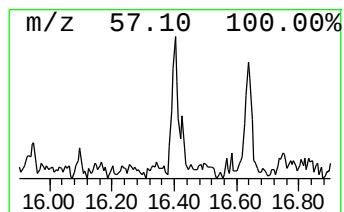
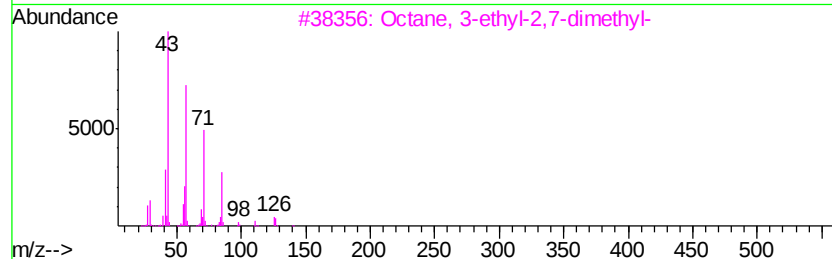
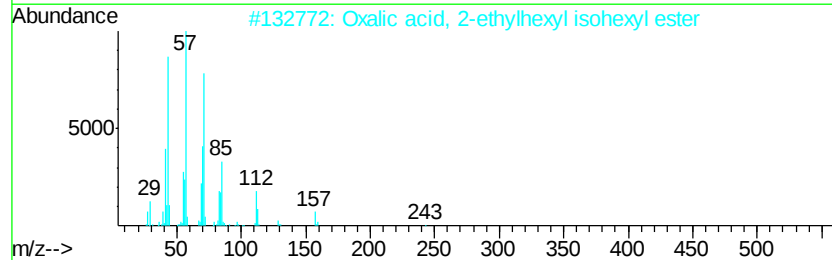
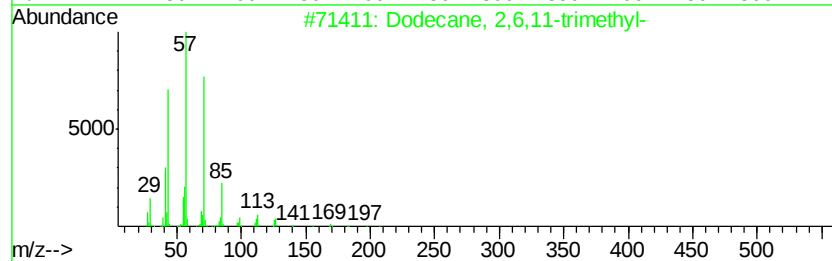
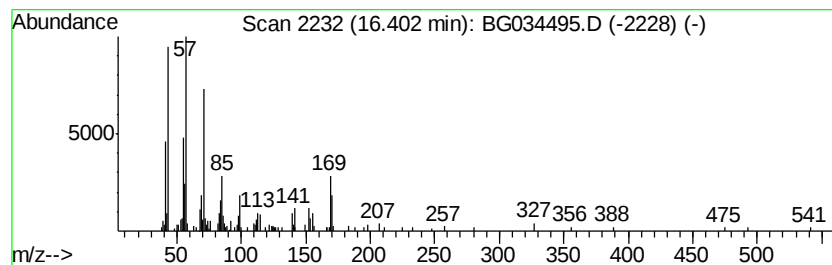
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown16.40 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	2.97 ng	142729	Phenanthrene-d10	17.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	38
2		Oxalic acid, 2-ethylhexyl isohex...	286	C16H30O4	1000309-38-8	35
3		Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	35
4		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	35
5		Decane, 2-methyl-	156	C11H24	006975-98-0	35



Data Path : Z:\HPCHEM1\BNA G\DATA\BG051618\
Data File : BG034495.D
Acq On : 16 May 2018 19:22
Operator : SJ/JU
Sample : J2604-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-Soil

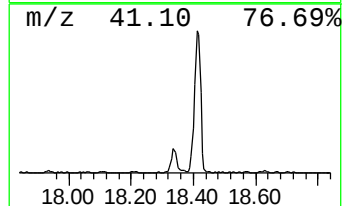
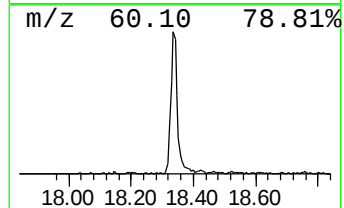
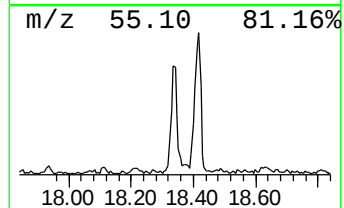
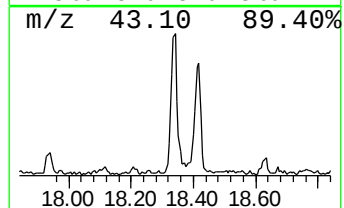
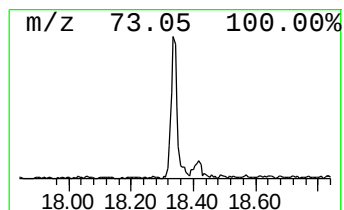
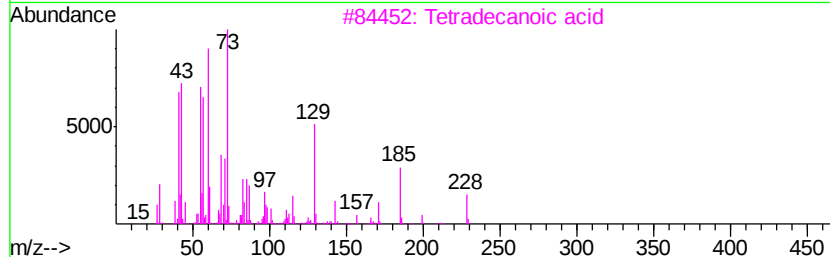
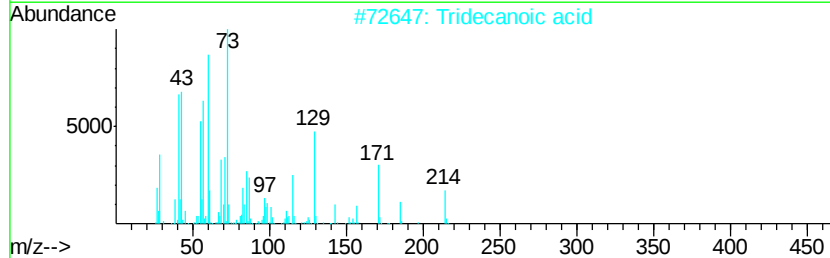
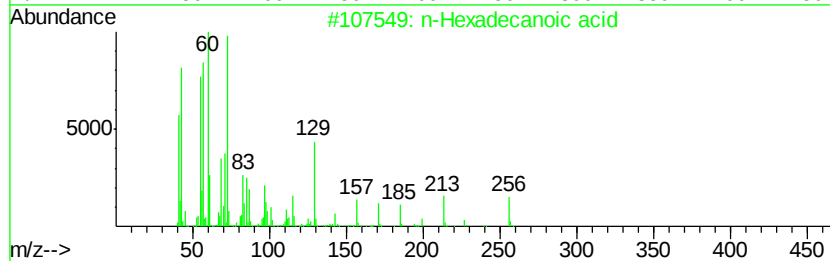
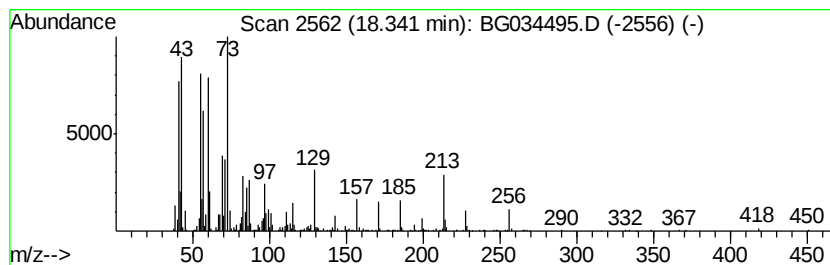
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	15.35 ng	737472	Phenanthrene-d10	17.45

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2		Tridecanoic acid	214	C13H26O2	000638-53-9	90
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	89
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5		Octadecanoic acid	284	C18H36O2	000057-11-4	58



Data Path : Z:\HPCHEM1\BNA G\DATA\BG051618\
Data File : BG034495.D
Acq On : 16 May 2018 19:22
Operator : SJ/JU
Sample : J2604-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-Soil

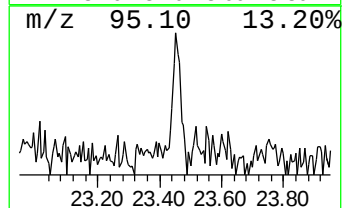
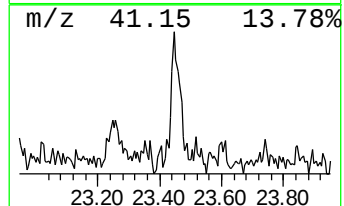
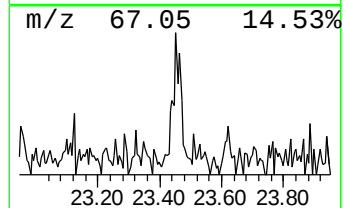
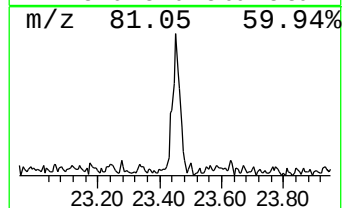
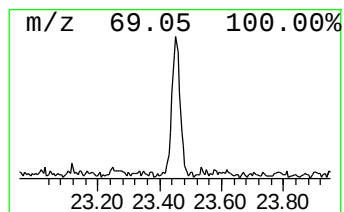
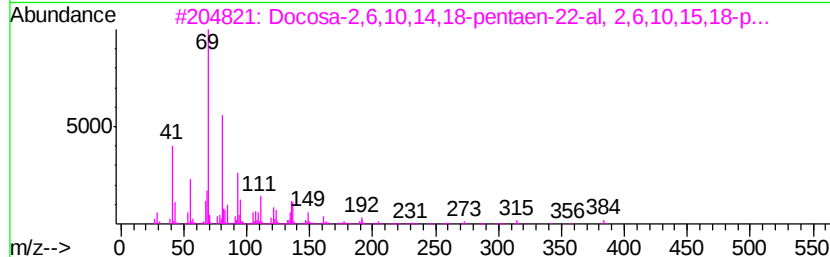
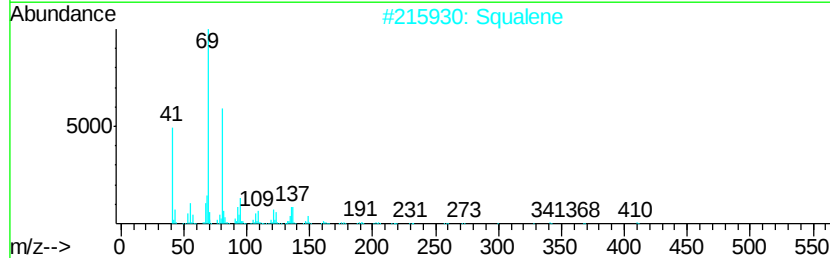
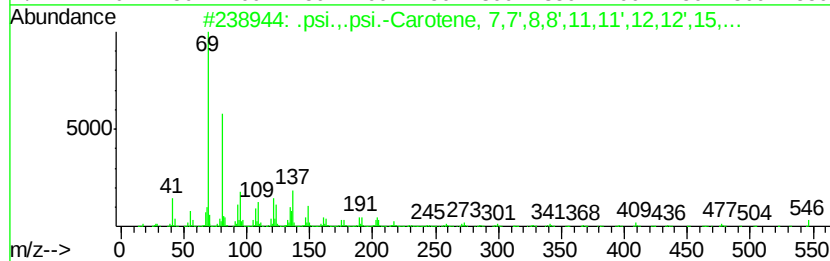
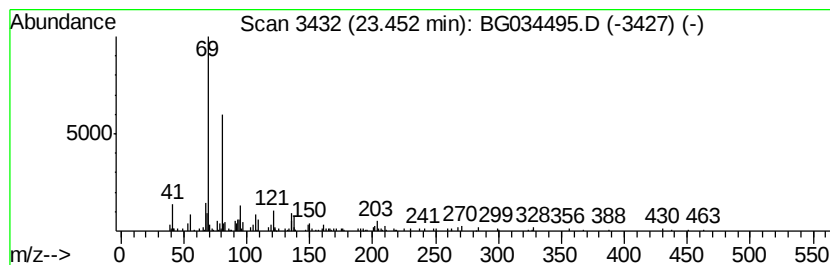
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 .psi.,.psi.-Carotene, 7,7',... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.45	2.68 ng	153160	Perylene-d12	25.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.psi.,.psi.-Carotene, 7,7',8,8',...	547	C40H66	000502-62-5	72
2		Squalene	410	C30H50	000111-02-4	72
3		Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	72
4		Hexadeca-2,6,10,14-tetraen-1-ol,...	290	C20H34O	007614-21-3	72
5		trans-Farnesol	222	C15H26O	000106-28-5	72



Data Path : Z:\HPCHEM1\BNA G\DATA\BG051618\
Data File : BG034495.D
Acq On : 16 May 2018 19:22
Operator : SJ/JU
Sample : J2604-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-Soil

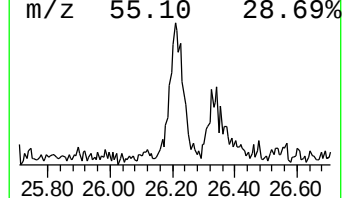
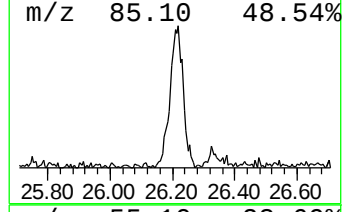
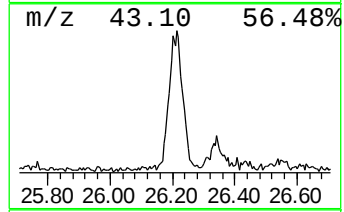
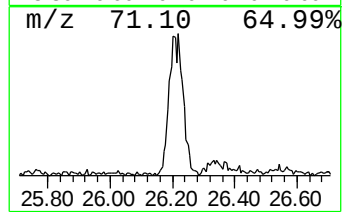
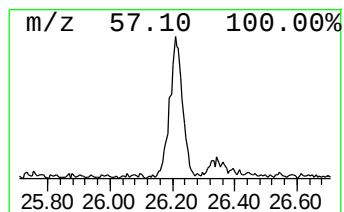
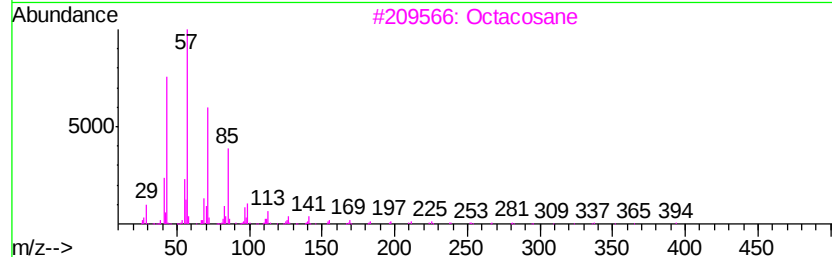
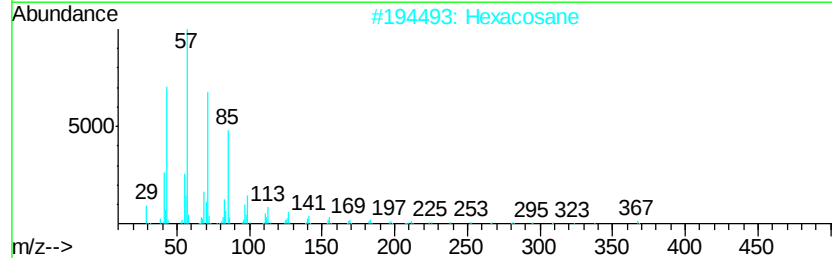
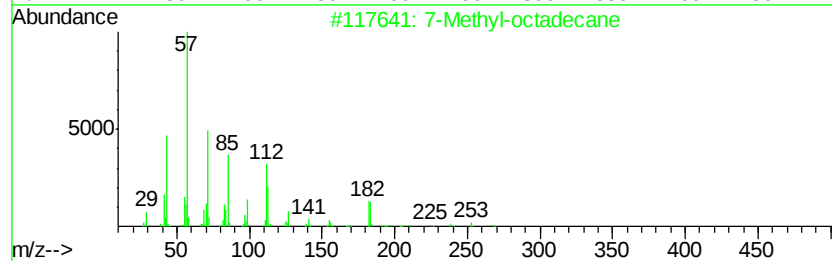
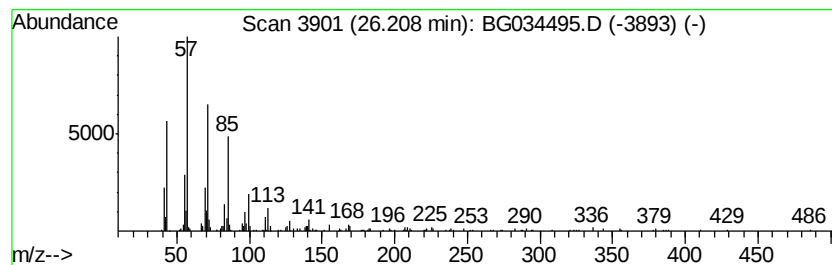
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 7-Methyl-octadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.21	9.12 ng	522170	Perylene-d12	25.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7-Methyl-octadecane	268	C19H40	1000192-63-3	91
2		Hexacosane	366	C26H54	000630-01-3	87
3		Octacosane	394	C28H58	000630-02-4	87
4		Heneicosane	296	C21H44	000629-94-7	87
5		Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	86



Data Path : Z:\HPCHEM1\BNA G\DATA\BG051618\
Data File : BG034495.D
Acq On : 16 May 2018 19:22
Operator : SJ/JU
Sample : J2604-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

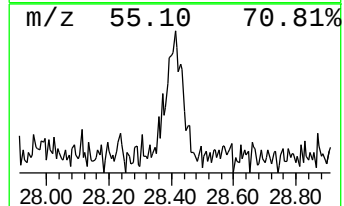
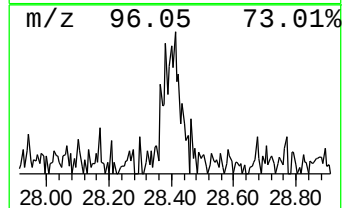
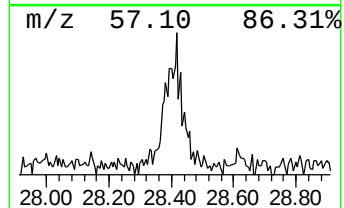
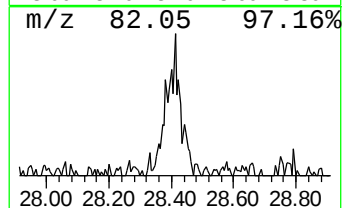
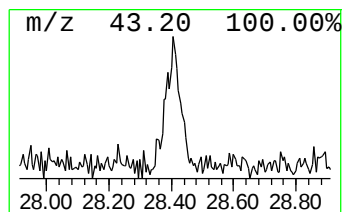
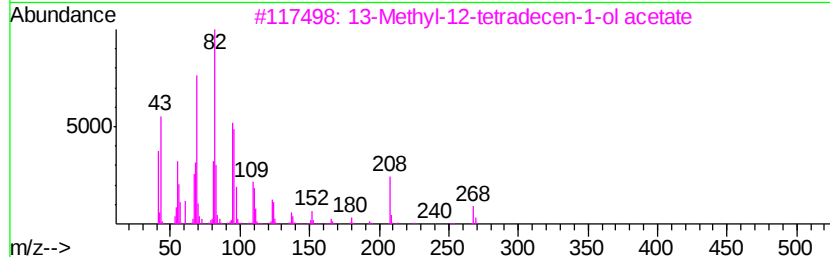
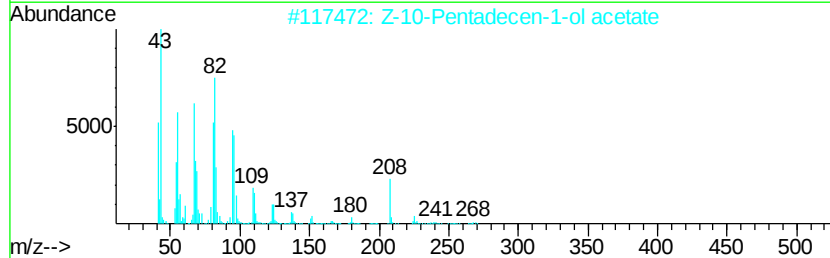
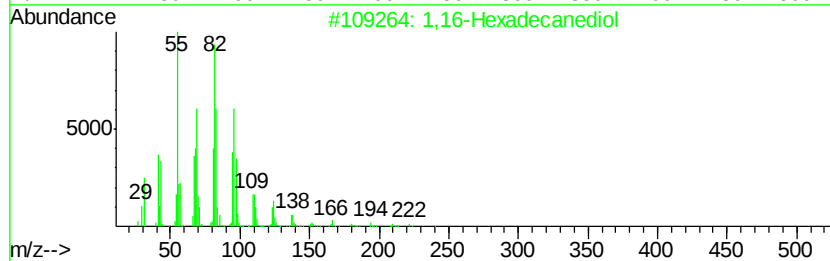
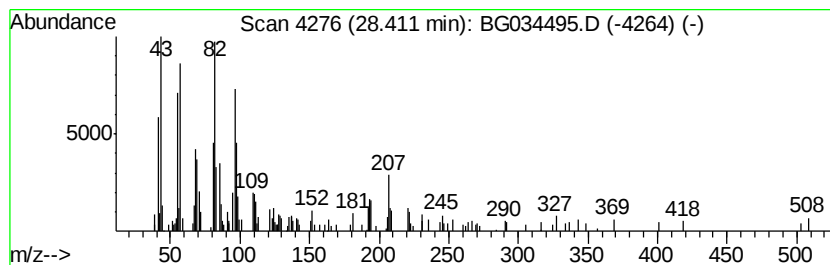
Instrument :
BNA_G
ClientSampleId :
PT-BNA-Soil

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1,16-Hexadecanediol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
28.41	3.70 ng	212058	Perylene-d12	25.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,16-Hexadecanediol	258	C16H34O2	007735-42-4	53
2	Z-10-Pentadecen-1-ol acetate	268	C17H32O2	1000130-85-0	47
3	13-Methyl-12-tetradecen-1-ol ace...	268	C17H32O2	099798-78-4	47
4	trans-11-Tetradecenyl acetate	254	C16H30O2	033189-72-9	47
5	7-Azabicyclo[4.1.0]heptane, 1-me...	111	C7H13N	025022-25-7	46



Data Path : Z:\HPCHEM1\BNA G\DATA\BG051618\
Data File : BG034495.D
Acq On : 16 May 2018 19:22
Operator : SJ/JU
Sample : J2604-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-Soil

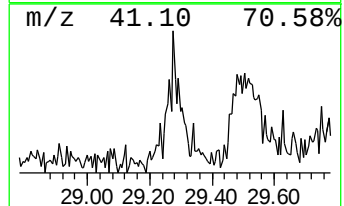
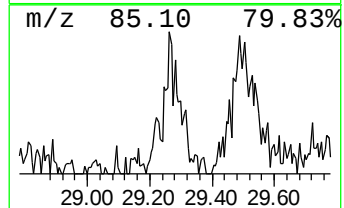
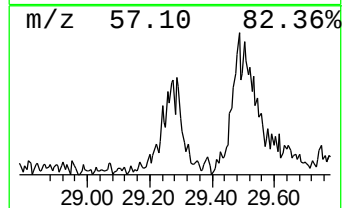
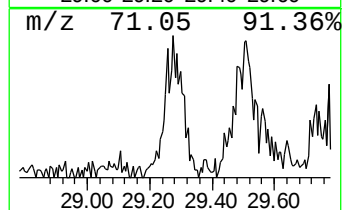
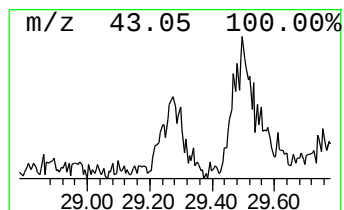
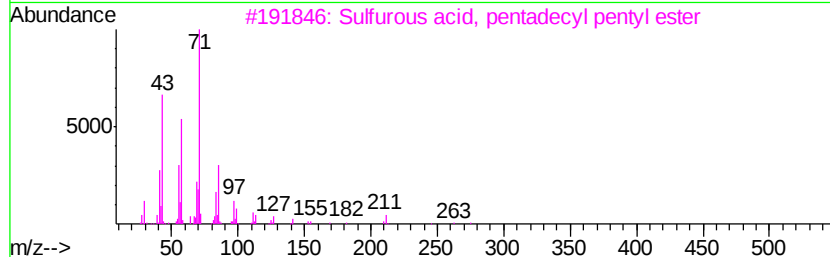
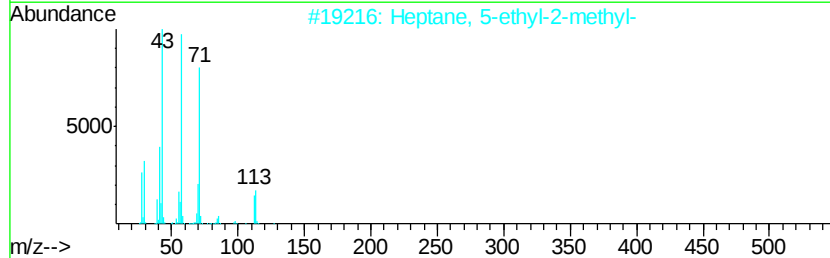
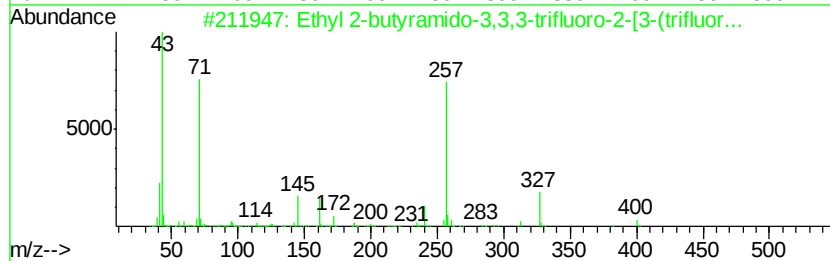
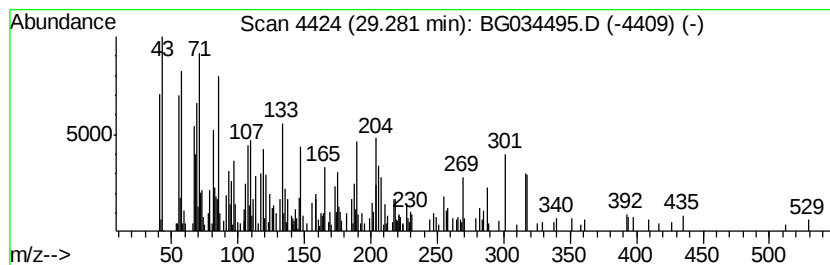
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown29.28 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.28	3.99 ng	228469	Perylene-d12	25.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethyl 2-butylramido-3,3,3-trifluo...	400	C16H18F6N2O3	1000224-15-8	25
2		Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	22
3		Sulfurous acid, pentadecyl pentyl...	362	C20H42O3S	1000309-14-8	22
4		3-Heptanone, 2,4-dimethyl-	142	C9H18O	018641-71-9	22
5		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	22



Data Path : Z:\HPCHEM1\BNA G\DATA\BG051618\
Data File : BG034495.D
Acq On : 16 May 2018 19:22
Operator : SJ/JU
Sample : J2604-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

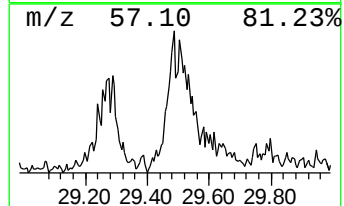
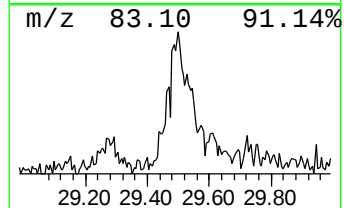
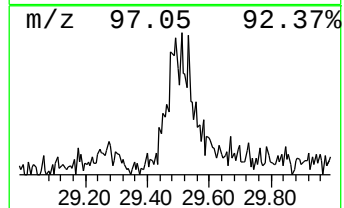
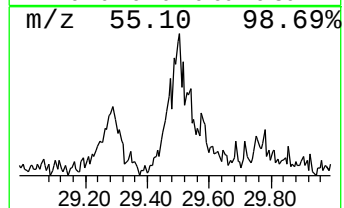
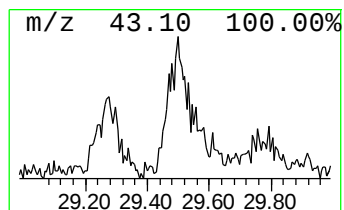
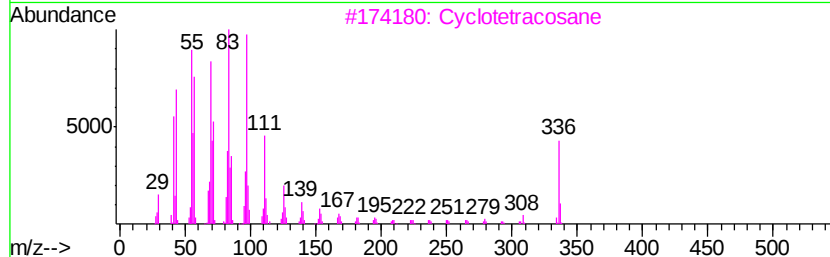
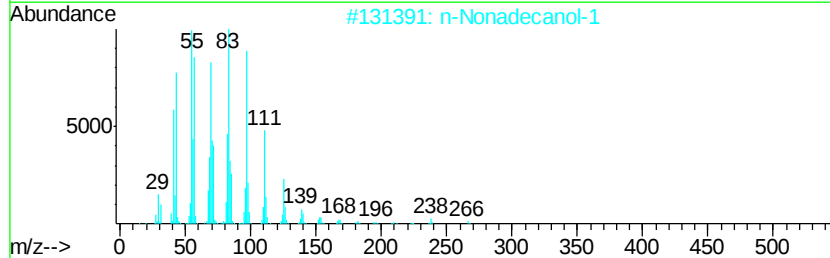
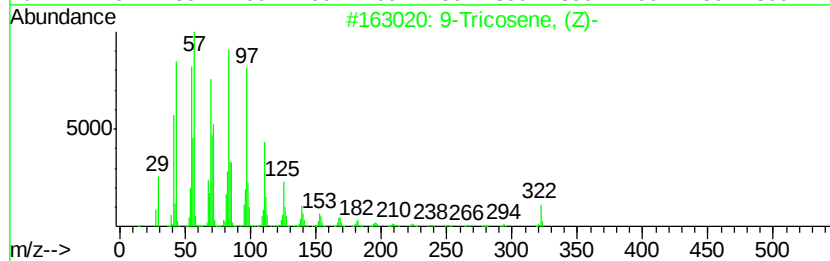
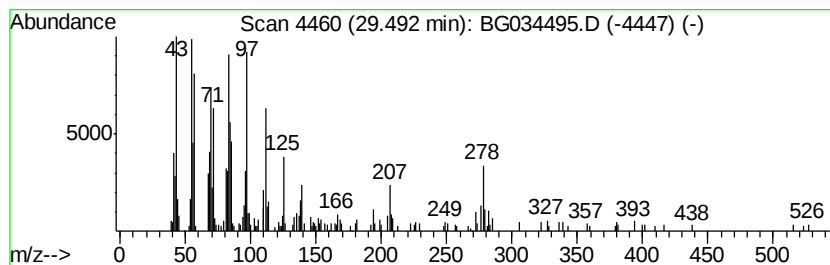
Instrument :
BNA_G
ClientSampleId :
PT-BNA-Soil

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9-Tricosene, (Z)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
29.49	6.66 ng	381276	Perylene-d12	25.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	93
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	72
3	Cyclotetracosane	336	C24H48	000297-03-0	68
4	Octacosyl acetate	452	C30H60O2	018206-97-8	58
5	5-Methyl-Z-5-docosene	322	C23H46	1000131-17-1	58



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051618\
Data File : BG034495.D
Acq On : 16 May 2018 19:22
Operator : SJ/JU
Sample : J2604-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-Soil

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown7.58	7.58	9.5	ng	1946660	1	8.05	4090110	20.0
unknown16.40	16.40	3.0	ng	142729	4	17.45	961044	20.0
n-Hexadecanoic acid	18.34	15.4	ng	737472	4	17.45	961044	20.0
.psi.,.psi.-Carot...	23.45	2.7	ng	153160	6	25.01	1144940	20.0
7-Methyl-octadecane	26.21	9.1	ng	522170	6	25.01	1144940	20.0
1,16-Hexadecanediol	28.41	3.7	ng	212058	6	25.01	1144940	20.0
unknown29.28	29.28	4.0	ng	228469	6	25.01	1144940	20.0
9-Tricosene, (Z)-	29.49	6.7	ng	381276	6	25.01	1144940	20.0