

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
 Data File : BG045423.D
 Acq On : 19 May 2020 12:07
 Operator : CG/JU
 Sample : L2447-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG051520.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	5.576	416	423	435	rBV	1031190	1794514	18.52%	1.085%
2	7.203	691	700	703	rBV	1256380	2691061	27.78%	1.626%
3	7.385	723	731	744	rVB	963318	1604183	16.56%	0.969%
4	7.855	803	811	820	rBV	1347447	2350650	24.26%	1.421%
5	8.002	823	836	853	rVB2	2374760	4631921	47.81%	2.799%
6	8.296	877	886	887	rBV	1036945	1737314	17.93%	1.050%
7	8.319	887	890	900	rVB	1463551	2599816	26.84%	1.571%
8	8.777	958	968	980	rBV	1093448	1910951	19.73%	1.155%
9	9.130	1020	1028	1031	rBV	782420	1469668	15.17%	0.888%
10	9.177	1031	1036	1047	rVB	1649770	2921098	30.15%	1.765%
11	9.705	1115	1126	1137	rBV	2665531	5220168	53.89%	3.155%
12	9.887	1149	1157	1166	rBV	737344	1323783	13.66%	0.800%
13	10.181	1196	1207	1216	rBV	1704333	2972294	30.68%	1.796%
14	10.457	1244	1254	1270	rBV	2090969	3927060	40.54%	2.373%
15	10.639	1276	1285	1298	rVB	2846013	5217964	53.86%	3.154%
16	10.775	1299	1308	1315	rBV	414184	780169	8.05%	0.471%
17	11.115	1358	1366	1381	rVB	3334397	5912371	61.03%	3.573%
18	12.114	1523	1536	1548	rBV	2436727	4295330	44.34%	2.596%
19	12.431	1583	1590	1603	rBV	831603	1461754	15.09%	0.883%
20	13.060	1690	1697	1708	rVB	928119	1551200	16.01%	0.937%
21	13.230	1718	1726	1735	rBV	2338268	3862583	39.87%	2.334%
22	13.489	1754	1770	1781	rBV	3096836	5224904	53.93%	3.158%
23	14.070	1861	1869	1879	rVB	1467547	2379142	24.56%	1.438%
24	14.188	1881	1889	1898	rBV	1673635	2531872	26.14%	1.530%
25	14.334	1906	1914	1921	rBV	1796393	3025501	31.23%	1.828%
26	14.611	1953	1961	1966	rBV	678776	1112650	11.49%	0.672%
27	14.675	1966	1972	1979	rVB	1023431	1613397	16.65%	0.975%
28	14.904	2004	2011	2022	rBV	896165	1621600	16.74%	0.980%
29	15.010	2022	2029	2045	rVB	3606016	5950523	61.42%	3.596%
30	15.433	2090	2101	2111	rBV	4031369	5942688	61.34%	3.591%
31	15.656	2128	2139	2146	rBV	3631132	5451418	56.27%	3.295%
32	16.108	2208	2216	2228	rBV	2113212	3247230	33.52%	1.962%
33	16.249	2234	2240	2245	rVB2	83366	120676	1.25%	0.073%
34	16.549	2279	2291	2302	rBV	4020075	5898784	60.89%	3.565%

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
 Data File : BG045423.D
 Acq On : 19 May 2020 12:07
 Operator : CG/JU
 Sample : L2447-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG051520.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.360	2420	2429	2434	rBV	884895	1440891	14.87%	0.871%
36	18.329	2587	2594	2602	rVB	4803210	7038616	72.66%	4.254%
37	19.410	2772	2778	2785	rVB	73028	117956	1.22%	0.071%
38	19.774	2831	2840	2847	rVB2	73041	208594	2.15%	0.126%
39	19.974	2867	2874	2881	rBV	4483026	6181957	63.81%	3.736%
40	20.279	2923	2926	2931	rVB	78741	100762	1.04%	0.061%
41	20.667	2985	2992	2997	rVB	7184404	9687529	100.00%	5.855%
42	20.773	3005	3010	3014	rBV2	133306	190084	1.96%	0.115%
43	21.272	3090	3095	3106	rVB3	710708	1080732	11.16%	0.653%
44	21.519	3130	3137	3143	rVB	6466606	9470299	97.76%	5.723%
45	21.601	3144	3151	3158	rBV2	2162858	4966648	51.27%	3.002%
46	21.666	3158	3162	3173	rVB	2182103	3440533	35.52%	2.079%
47	21.818	3183	3188	3196	rVB	296340	442557	4.57%	0.267%
48	22.418	3284	3290	3303	rVB	445046	799250	8.25%	0.483%
49	23.099	3399	3406	3413	rVV	427309	808097	8.34%	0.488%
50	23.886	3533	3540	3548	rBV	534237	1164172	12.02%	0.704%
51	24.773	3681	3691	3696	rBV	567111	1648775	17.02%	0.996%
52	25.930	3877	3888	3898	rBV2	402732	1202199	12.41%	0.727%
53	26.048	3900	3908	3920	rVV4	121893	397371	4.10%	0.240%
54	27.252	4105	4113	4124	rVB4	129202	427868	4.42%	0.259%
55	28.380	4287	4305	4321	rVB2	1174875	5442396	56.18%	3.289%
56	28.868	4377	4388	4402	rVB2	109171	554400	5.72%	0.335%
57	29.067	4412	4422	4443	rVB6	166922	789758	8.15%	0.477%
58	29.490	4478	4494	4508	rVB2	708311	3507684	36.21%	2.120%

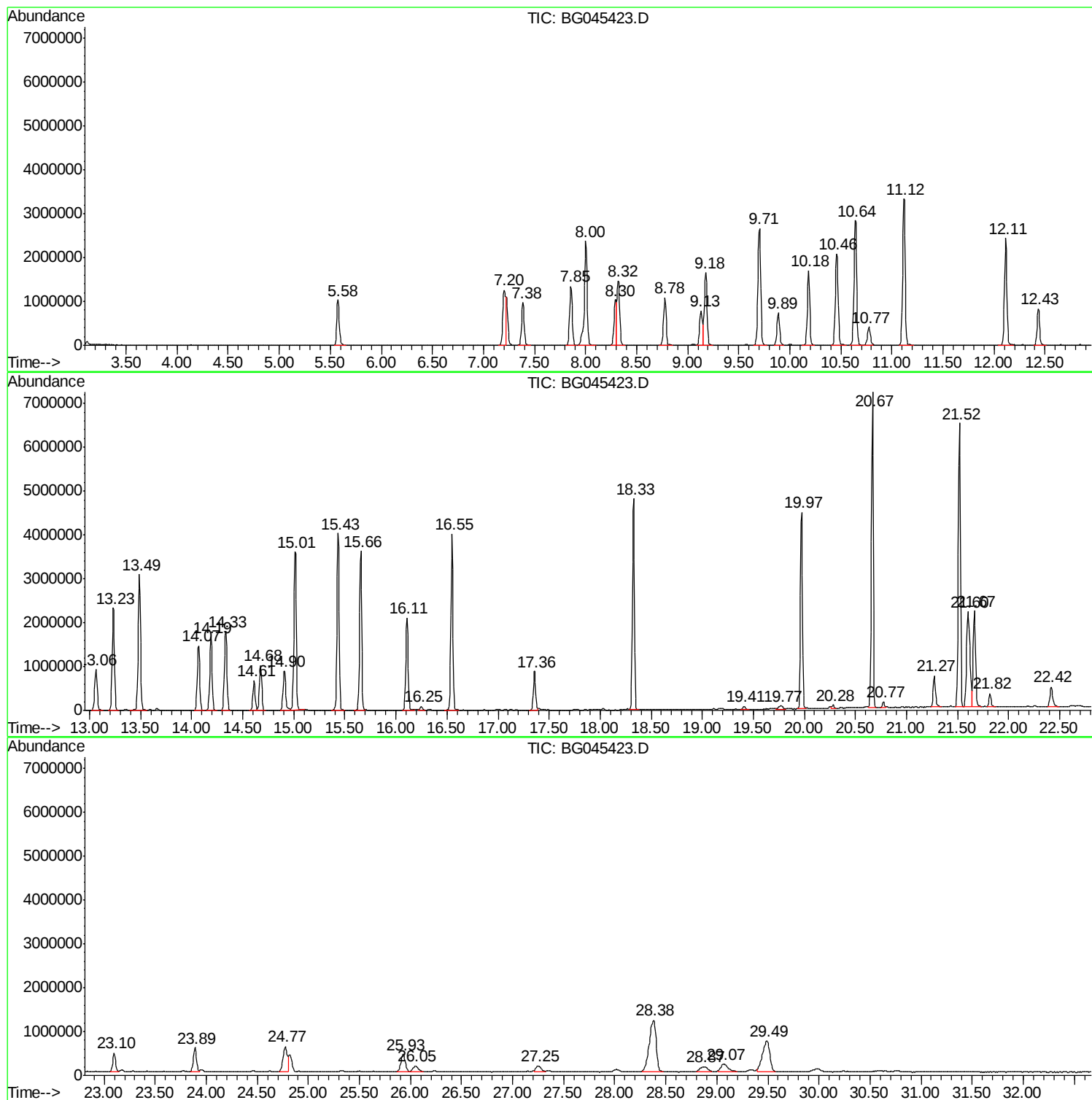
Sum of corrected areas: 165465365

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
Data File : BG045423.D
Acq On : 19 May 2020 12:07
Operator : CG/JU
Sample : L2447-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
Data File : BG045423.D
Acq On : 19 May 2020 12:07
Operator : CG/JU
Sample : L2447-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

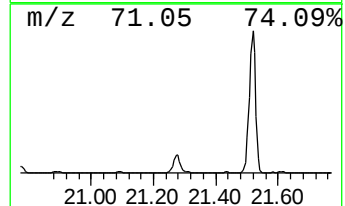
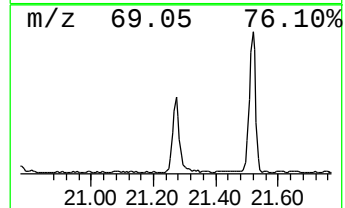
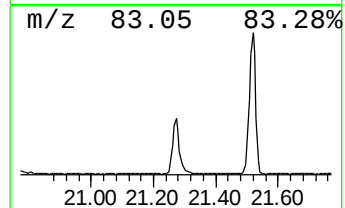
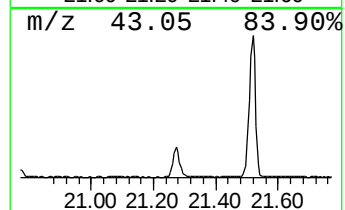
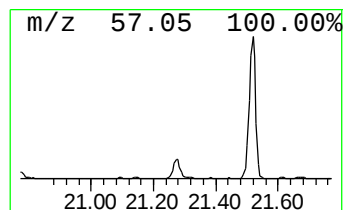
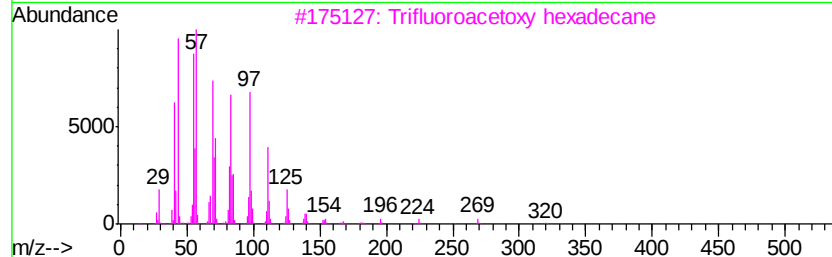
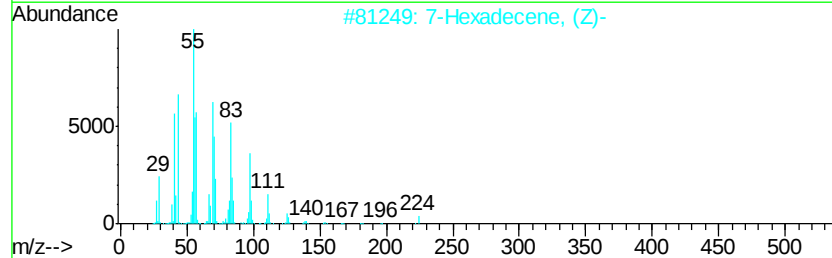
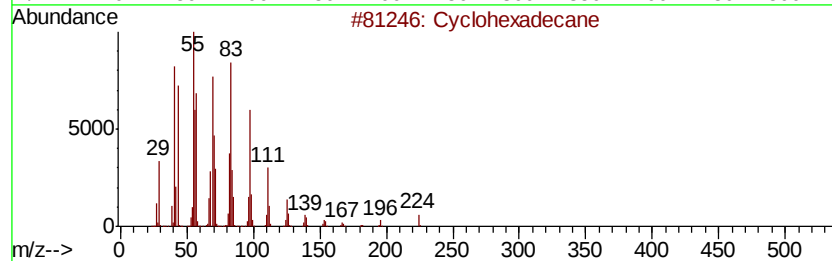
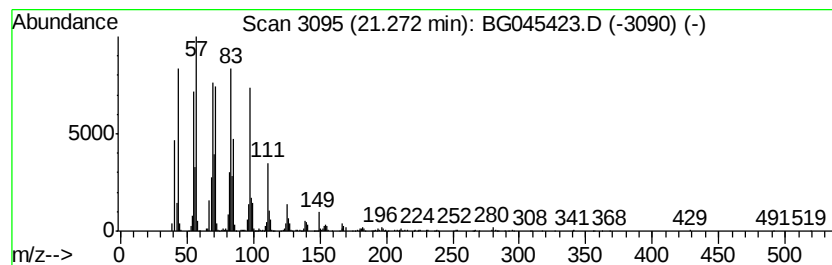
Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclohexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	4.35 ng	1080730	Chrysene-d12	21.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexadecane	224 C16H32	000295-65-8 99
2		7-Hexadecene, (Z)-	224 C16H32	035507-09-6 96
3		Trifluoroacetoxy hexadecane	338 C18H33F3O2	006222-03-3 87
4		Pentafluoropropionic acid, penta...	374 C18H31F5O2	959092-08-1 87
5		Trichloroacetic acid, pentadecyl...	372 C17H31Cl3O2	074339-53-0 87



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
Data File : BG045423.D
Acq On : 19 May 2020 12:07
Operator : CG/JU
Sample : L2447-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

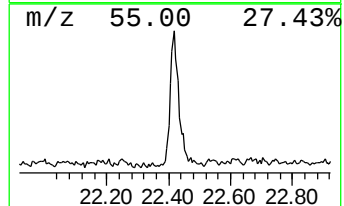
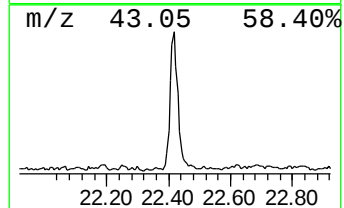
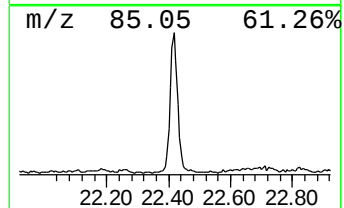
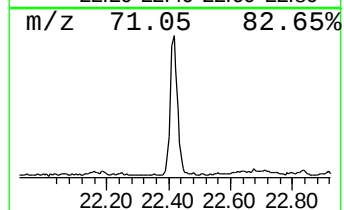
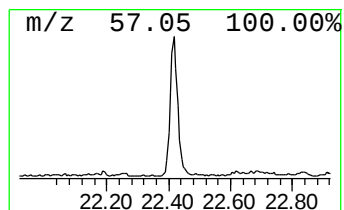
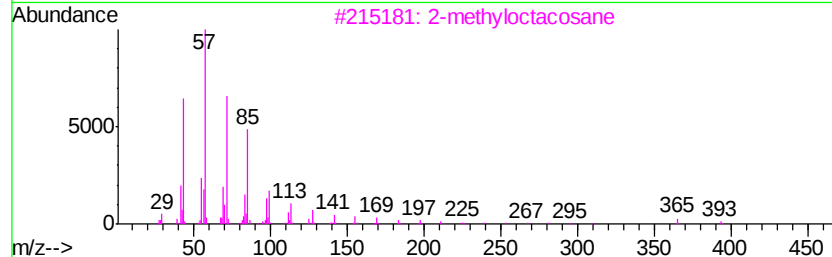
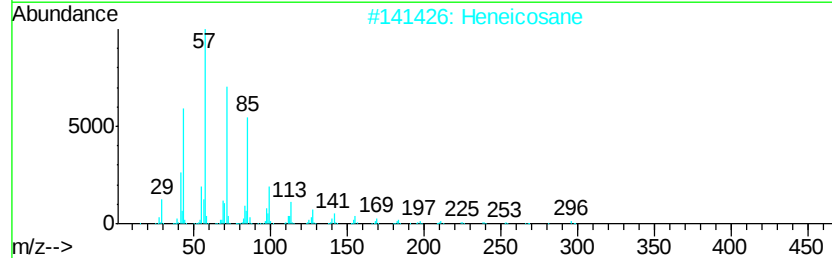
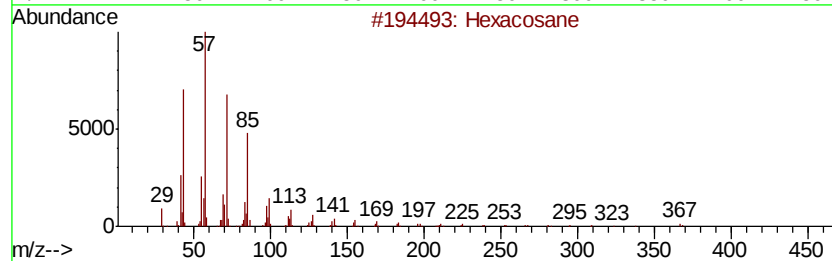
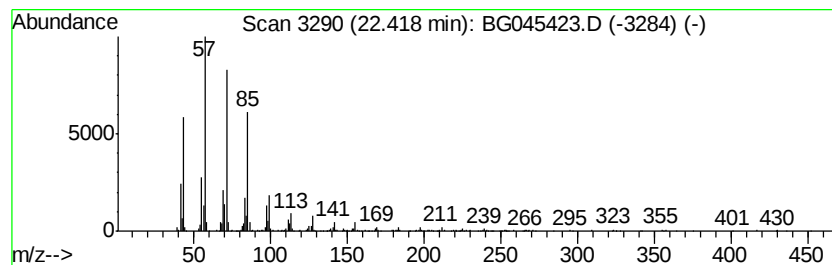
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Hexacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.42	3.22 ng	799250	Chrysene-d12	21.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	94
2		Heneicosane	296	C21H44	000629-94-7	91
3		2-methyloctacosane	408	C29H60	1000376-72-8	91
4		Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
Data File : BG045423.D
Acq On : 19 May 2020 12:07
Operator : CG/JU
Sample : L2447-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

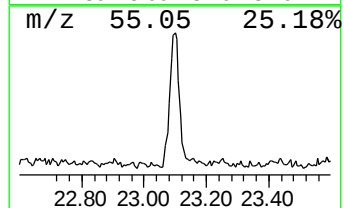
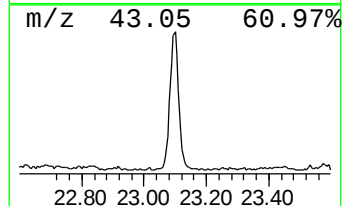
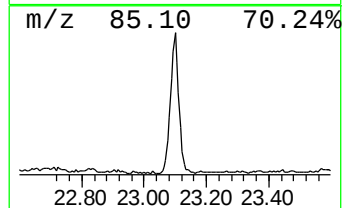
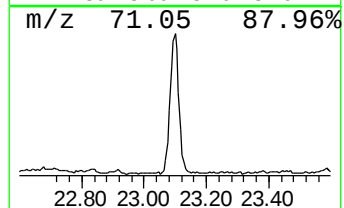
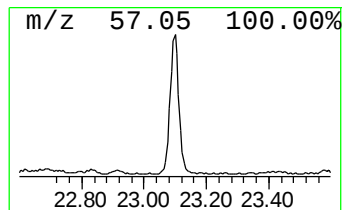
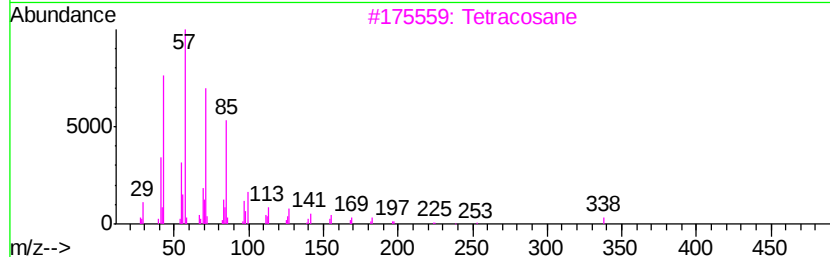
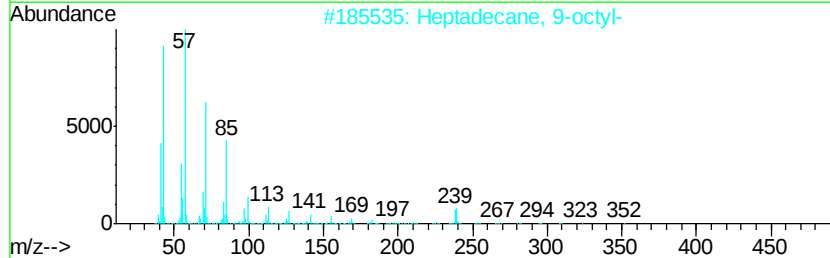
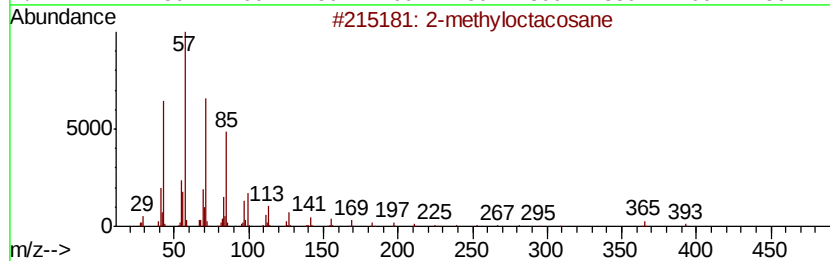
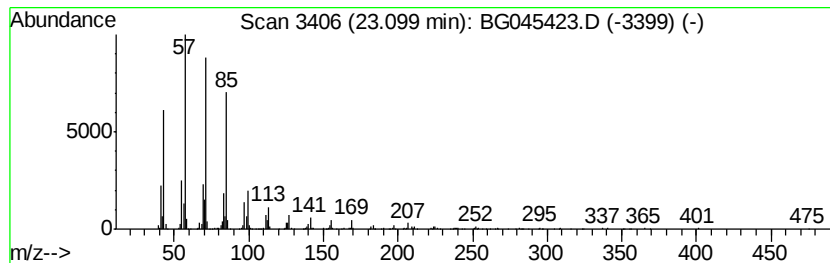
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-methyloctacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	3.25 ng	808097	Chrysene-d12	21.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-methyloctacosane	408	C29H60	1000376-72-8	91
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3		Tetracosane	338	C24H50	000646-31-1	91
4		Heneicosane	296	C21H44	000629-94-7	90
5		Hexacosane	366	C26H54	000630-01-3	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
Data File : BG045423.D
Acq On : 19 May 2020 12:07
Operator : CG/JU
Sample : L2447-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

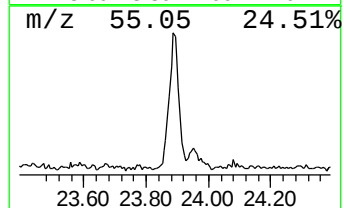
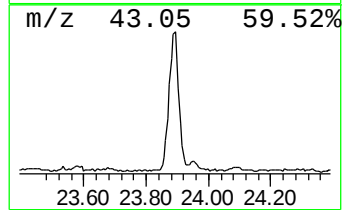
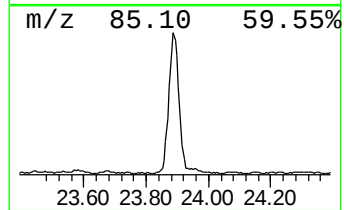
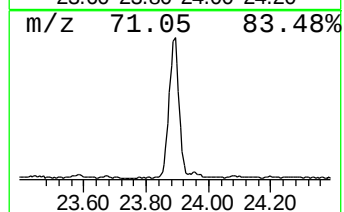
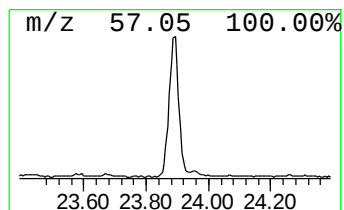
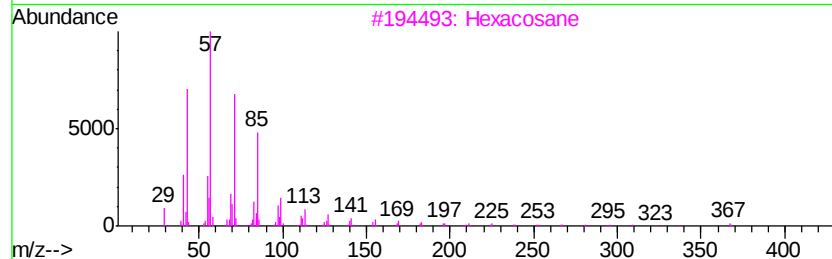
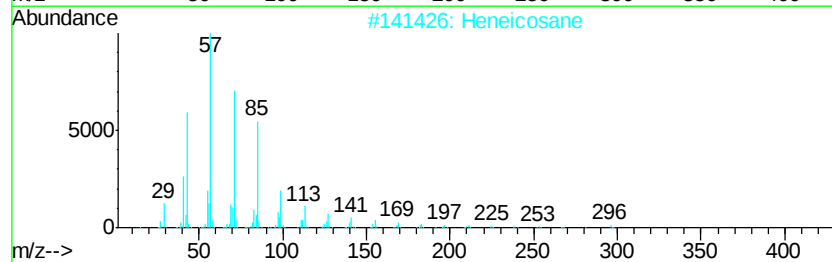
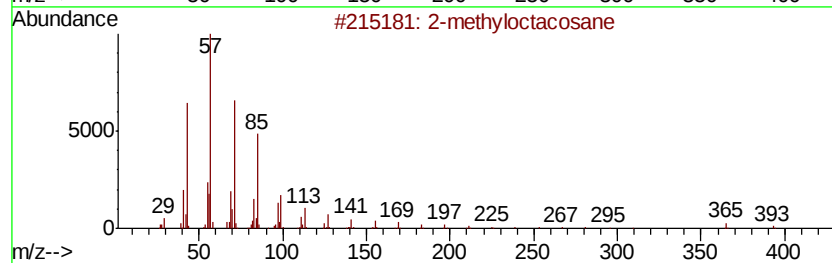
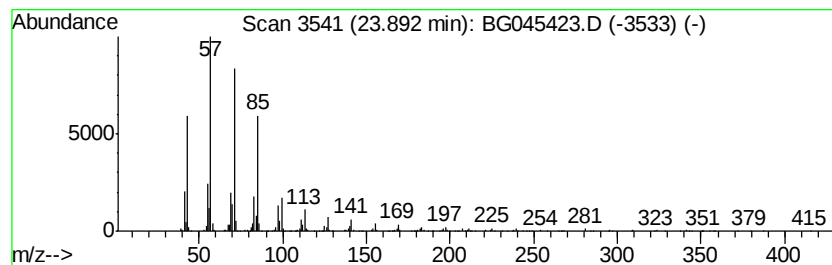
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Heneicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.89	14.12 ng	1164170	Perylene-d12	24.77

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-methyloctacosane	408	C29H60	1000376-72-8	91
2			Heneicosane	296	C21H44	000629-94-7	91
3			Hexacosane	366	C26H54	000630-01-3	90
4			Octacosane	394	C28H58	000630-02-4	87
5			Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
Data File : BG045423.D
Acq On : 19 May 2020 12:07
Operator : CG/JU
Sample : L2447-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

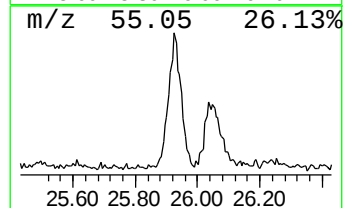
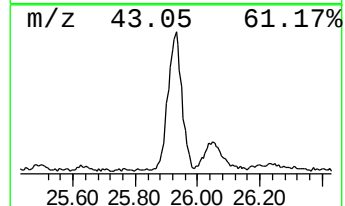
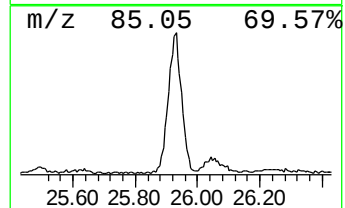
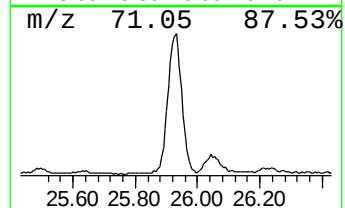
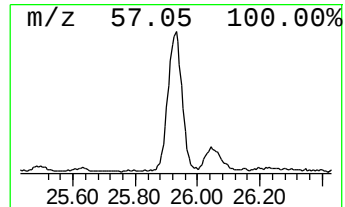
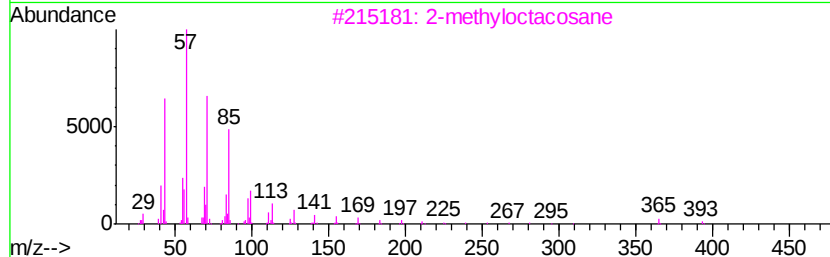
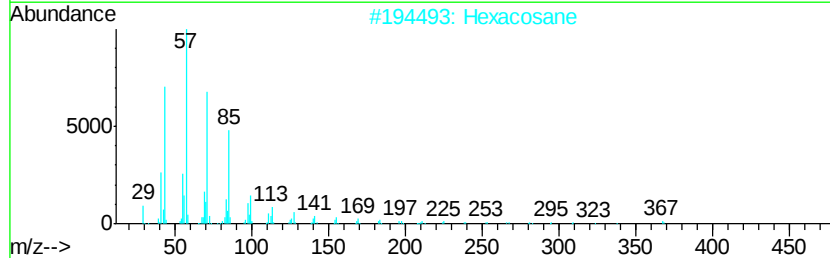
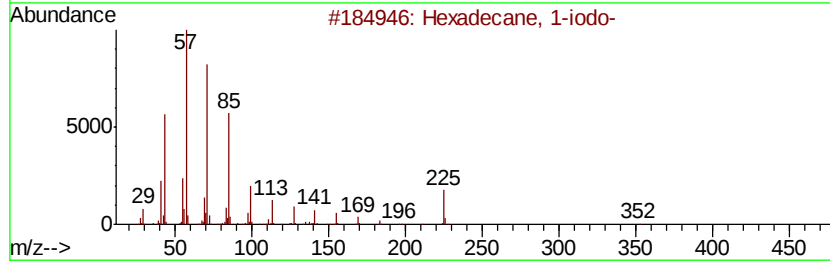
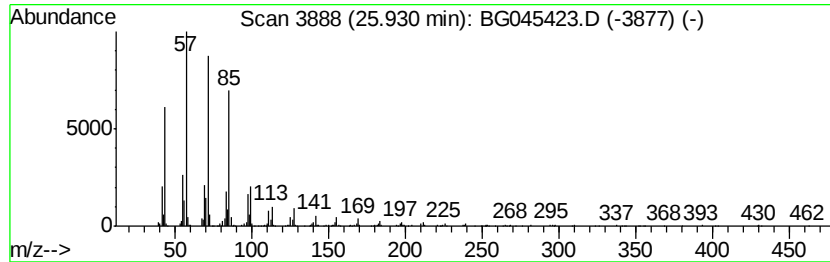
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexadecane, 1-iodo- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.93	14.58 ng	1202200	Perylene-d12	24.77

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 1-iodo-		352	C16H33I	000544-77-4	94
2	Hexacosane		366	C26H54	000630-01-3	91
3	2-methyloctacosane		408	C29H60	1000376-72-8	91
4	Heneicosane		296	C21H44	000629-94-7	87
5	Octacosane		394	C28H58	000630-02-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
Data File : BG045423.D
Acq On : 19 May 2020 12:07
Operator : CG/JU
Sample : L2447-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

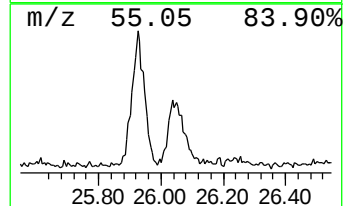
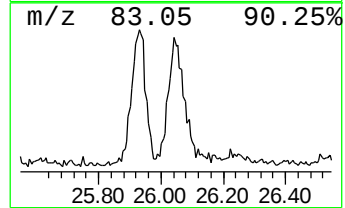
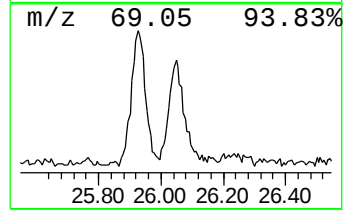
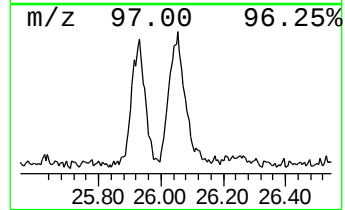
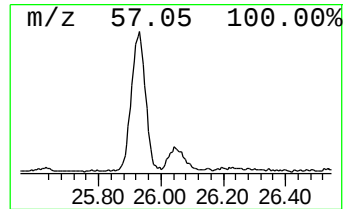
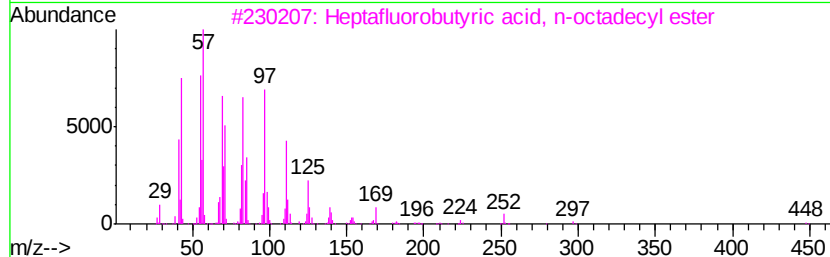
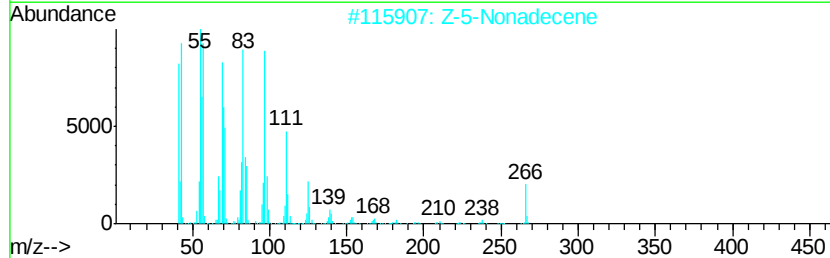
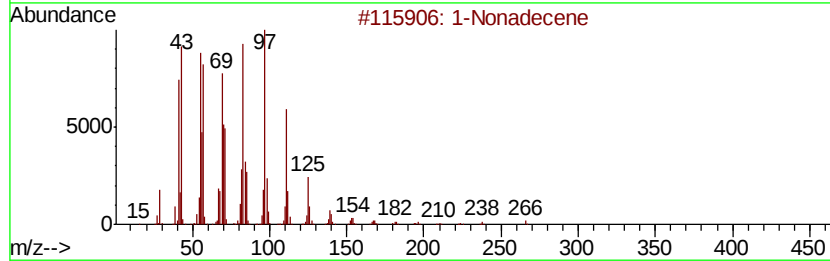
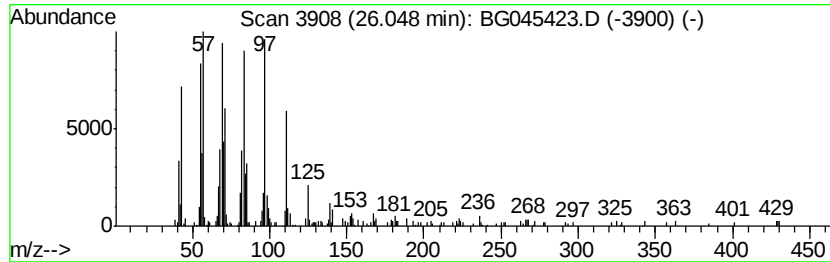
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Nonadecene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.05	4.82 ng	397371	Perylene-d12	24.77

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene		266	C19H38	018435-45-5	91
2	Z-5-Nonadecene		266	C19H38	1000131-11-8	91
3	Heptafluorobutyric acid, n-octad...		466	C22H37F7O2	000400-57-7	90
4	Trifluoroacetoxy hexadecane		338	C18H33F3O2	006222-03-3	83
5	Pentafluoropropionic acid, hepta...		402	C20H35F5O2	959218-78-1	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
Data File : BG045423.D
Acq On : 19 May 2020 12:07
Operator : CG/JU
Sample : L2447-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

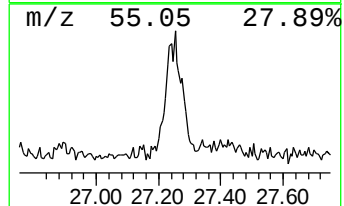
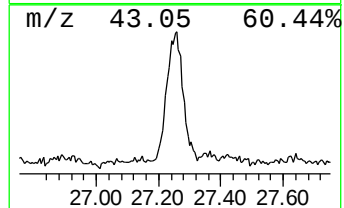
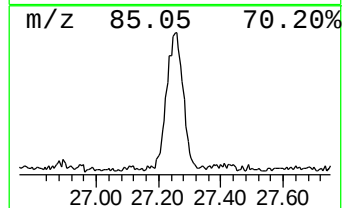
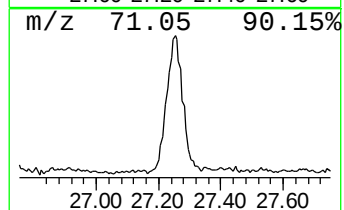
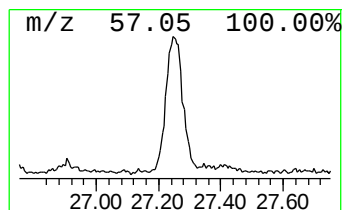
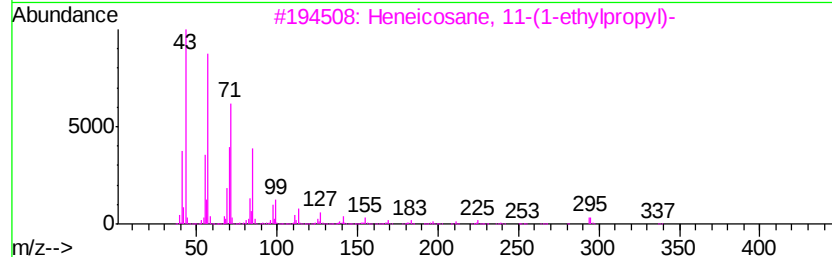
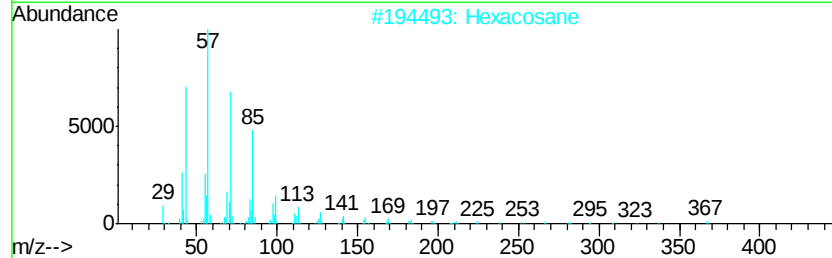
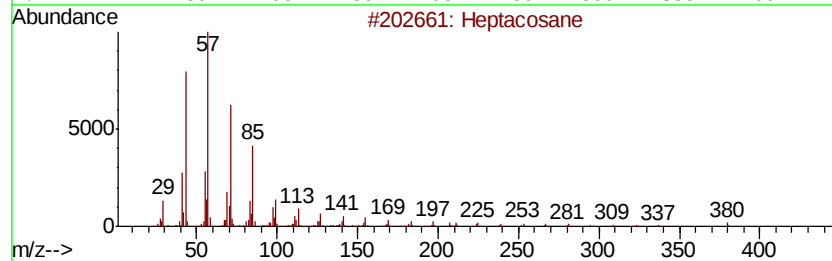
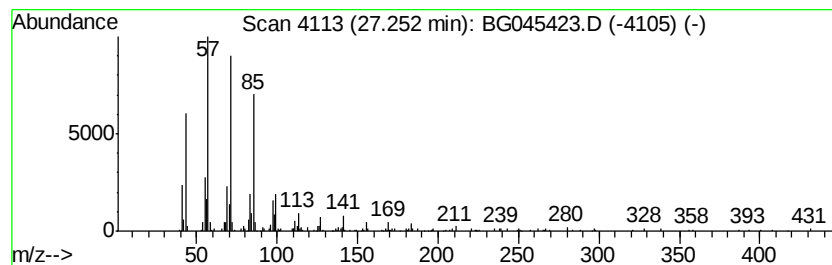
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.25	5.19 ng	427868	Perylene-d12	24.77

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane		380	C27H56	000593-49-7	91
2	Hexacosane		366	C26H54	000630-01-3	90
3	Heneicosane, 11-(1-ethylpropyl)-		366	C26H54	055282-11-6	90
4	Heptadecane, 9-octyl-		352	C25H52	007225-64-1	87
5	Tetracosane		338	C24H50	000646-31-1	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
Data File : BG045423.D
Acq On : 19 May 2020 12:07
Operator : CG/JU
Sample : L2447-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

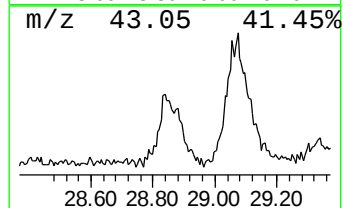
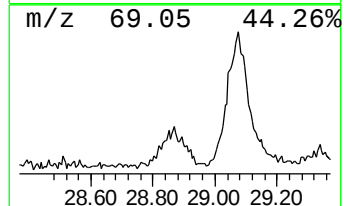
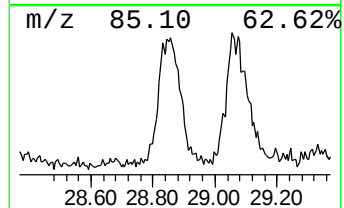
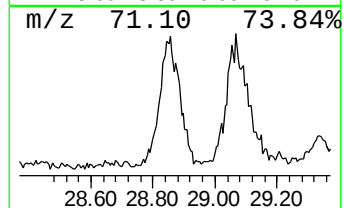
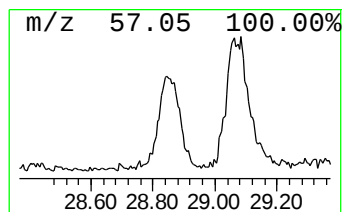
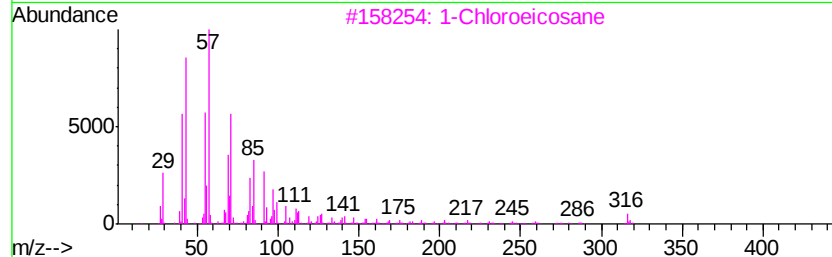
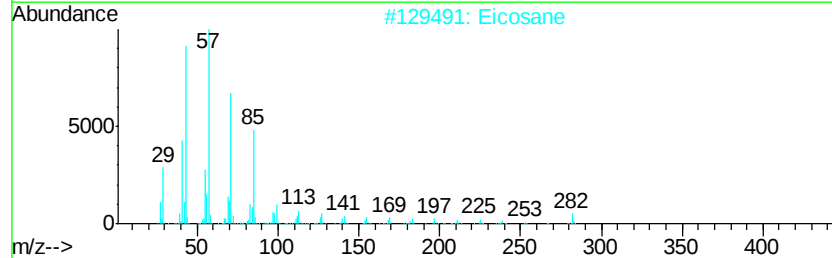
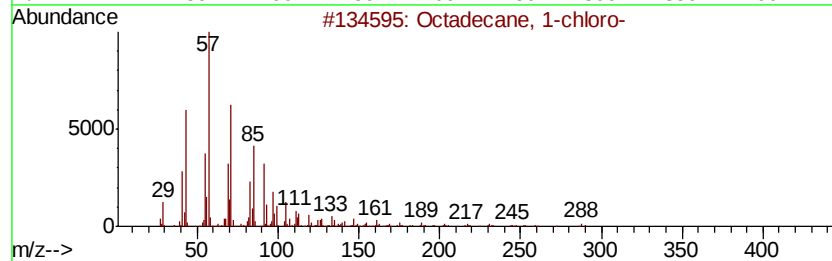
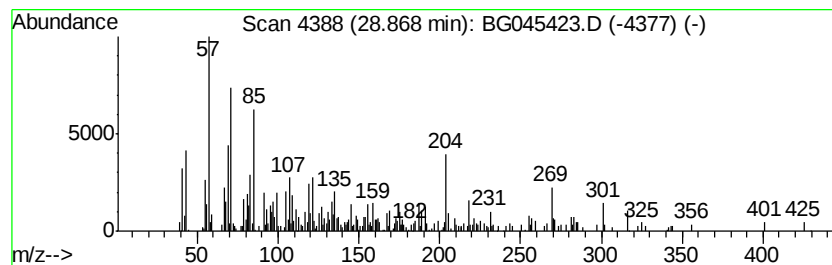
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown28.87 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.87	6.72 ng	554400	Perylene-d12	24.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	42
2		Eicosane	282	C20H42	000112-95-8	38
3		1-Chloroeicosane	316	C20H41Cl	042217-02-7	38
4		Tetratriacontane	479	C34H70	014167-59-0	35
5		Heneicosane	296	C21H44	000629-94-7	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
Data File : BG045423.D
Acq On : 19 May 2020 12:07
Operator : CG/JU
Sample : L2447-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PT-BNA-SOIL

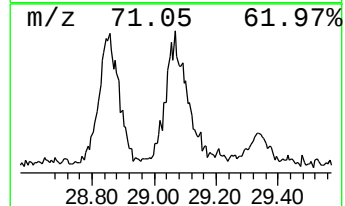
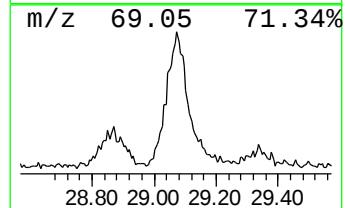
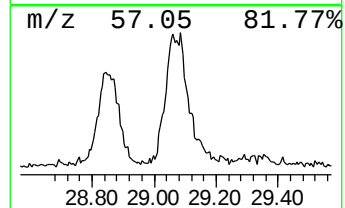
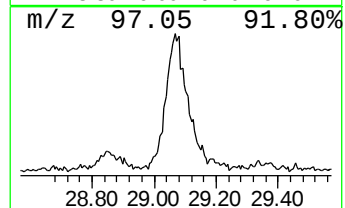
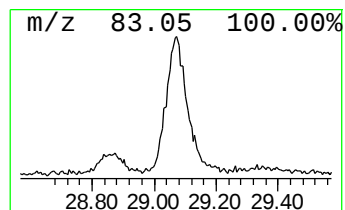
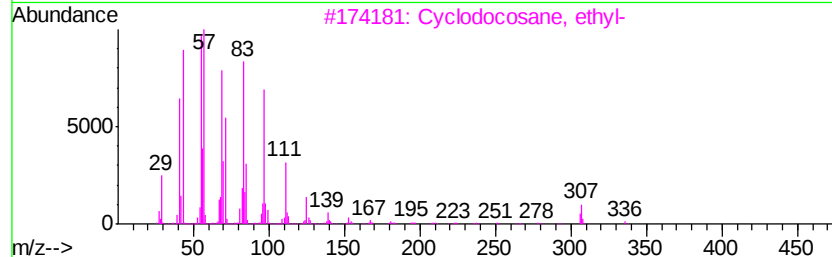
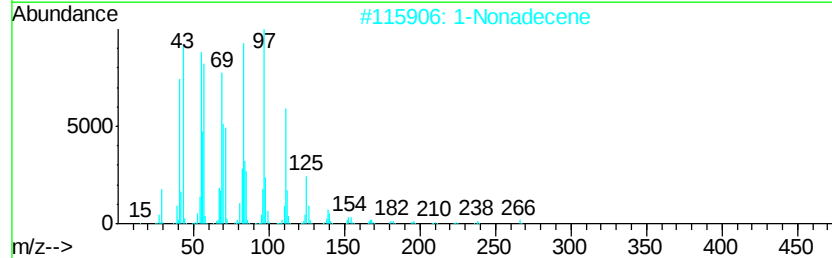
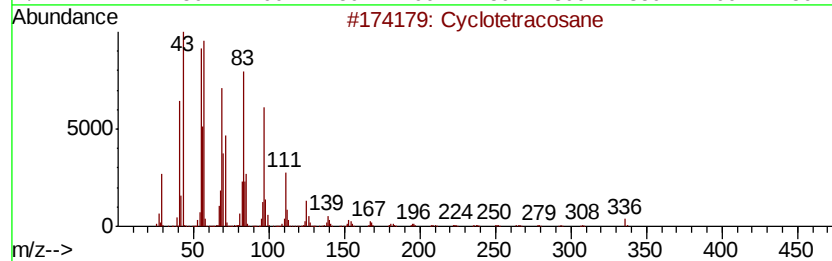
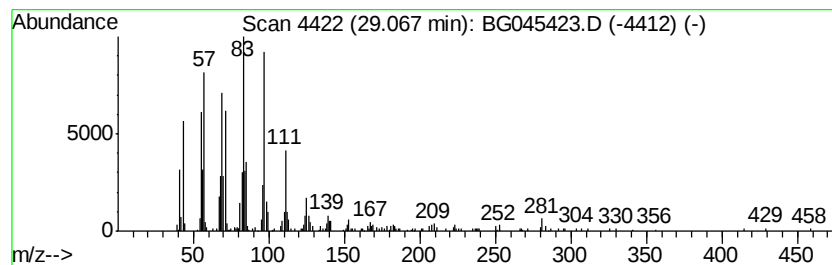
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclotetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.07	9.58 ng	789758	Perylene-d12	24.77

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclotetracosane	336	C24H48	000297-03-0	91
2		1-Nonadecene	266	C19H38	018435-45-5	90
3		Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	87
4		1-Octadecene	252	C18H36	000112-88-9	86
5		Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051920\
 Data File : BG045423.D
 Acq On : 19 May 2020 12:07
 Operator : CG/JU
 Sample : L2447-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PT-BNA-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG051520.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
Cyclohexadecane	21.27	4.3	ng	1080730	5	21.62	4966650	20.0
Hexacosane	22.42	3.2	ng	799250	5	21.62	4966650	20.0
2-methyloctacosane	23.10	3.3	ng	808097	5	21.62	4966650	20.0
Heneicosane	23.89	14.1	ng	1164170	6	24.77	1648780	20.0
Hexadecane, 1-iodo-	25.93	14.6	ng	1202200	6	24.77	1648780	20.0
1-Nonadecene	26.05	4.8	ng	397371	6	24.77	1648780	20.0
Heptacosane	27.25	5.2	ng	427868	6	24.77	1648780	20.0
unknown28.87	28.87	6.7	ng	554400	6	24.77	1648780	20.0
Cyclotetracosane	29.07	9.6	ng	789758	6	24.77	1648780	20.0