

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
 Data File : BG043255.D
 Acq On : 16 Oct 2019 21:32
 Operator : JU
 Sample : K5351-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A-FRAME-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-BG092519.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	3.152	5	11	19	rBV3	55813	140983	5.04%	0.831%
2	3.228	19	24	37	rVB	111505	208463	7.46%	1.229%
3	5.161	347	353	362	rBV	36266	61788	2.21%	0.364%
4	5.631	426	433	449	rBV	545562	991191	35.46%	5.844%
5	7.224	695	704	718	rBV	616360	1156800	41.39%	6.820%
6	7.588	758	766	784	rBV	614965	1119425	40.05%	6.600%
7	8.052	838	845	853	rBV	176248	308770	11.05%	1.820%
8	8.375	892	900	911	rBV	479690	872136	31.20%	5.142%
9	9.209	1034	1042	1062	rBV	320321	674612	24.14%	3.977%
10	10.860	1315	1323	1333	rBV	187678	395671	14.16%	2.333%
11	11.877	1489	1496	1500	rBV	32422	53713	1.92%	0.317%
12	13.211	1718	1723	1729	rVB	74630	108217	3.87%	0.638%
13	13.299	1729	1738	1749	rBV	964539	1635332	58.51%	9.642%
14	14.104	1870	1875	1876	rBV	105084	136798	4.89%	0.807%
15	14.157	1880	1884	1889	rVV	141936	220045	7.87%	1.297%
16	14.221	1891	1895	1899	rVB5	22064	34234	1.22%	0.202%
17	14.421	1923	1929	1934	rBV9	28332	64765	2.32%	0.382%
18	14.509	1940	1944	1950	rVB3	67962	111414	3.99%	0.657%
19	14.585	1951	1957	1961	rBV9	16494	35997	1.29%	0.212%
20	14.674	1963	1972	1982	rVV	364706	674528	24.13%	3.977%
21	14.903	2007	2011	2017	rVB9	17823	33760	1.21%	0.199%
22	15.073	2037	2040	2044	rVB3	26621	29543	1.06%	0.174%
23	15.191	2056	2060	2065	rBV6	36393	55787	2.00%	0.329%
24	15.390	2089	2094	2100	rBV8	25158	56648	2.03%	0.334%
25	15.467	2104	2107	2116	rVB8	25942	47536	1.70%	0.280%
26	15.925	2179	2185	2190	rVB	100528	156056	5.58%	0.920%
27	16.166	2218	2226	2236	rBV	821058	1406811	50.33%	8.294%
28	16.407	2260	2267	2274	rBV	166305	274568	9.82%	1.619%
29	17.224	2402	2406	2410	rBV3	21734	33736	1.21%	0.199%
30	17.423	2433	2440	2455	rBV2	427589	769934	27.55%	4.539%
31	17.541	2455	2460	2469	rVB9	28360	53684	1.92%	0.317%
32	18.311	2587	2591	2598	rBV6	37771	68601	2.45%	0.404%
33	20.032	2878	2884	2899	rVB	2015788	2795147	100.00%	16.480%
34	21.336	3102	3106	3116	rBV3	79351	153784	5.50%	0.907%

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	21.583	3144	3148	3151	rVB2	24075	34645	1.24%	0.204%
36	21.701	3161	3168	3180	rBV	480594	937945	33.56%	5.530%
37	23.387	3450	3455	3458	rBV7	18334	28377	1.02%	0.167%
38	24.926	3707	3717	3732	rBV	340236	1019634	36.48%	6.012%

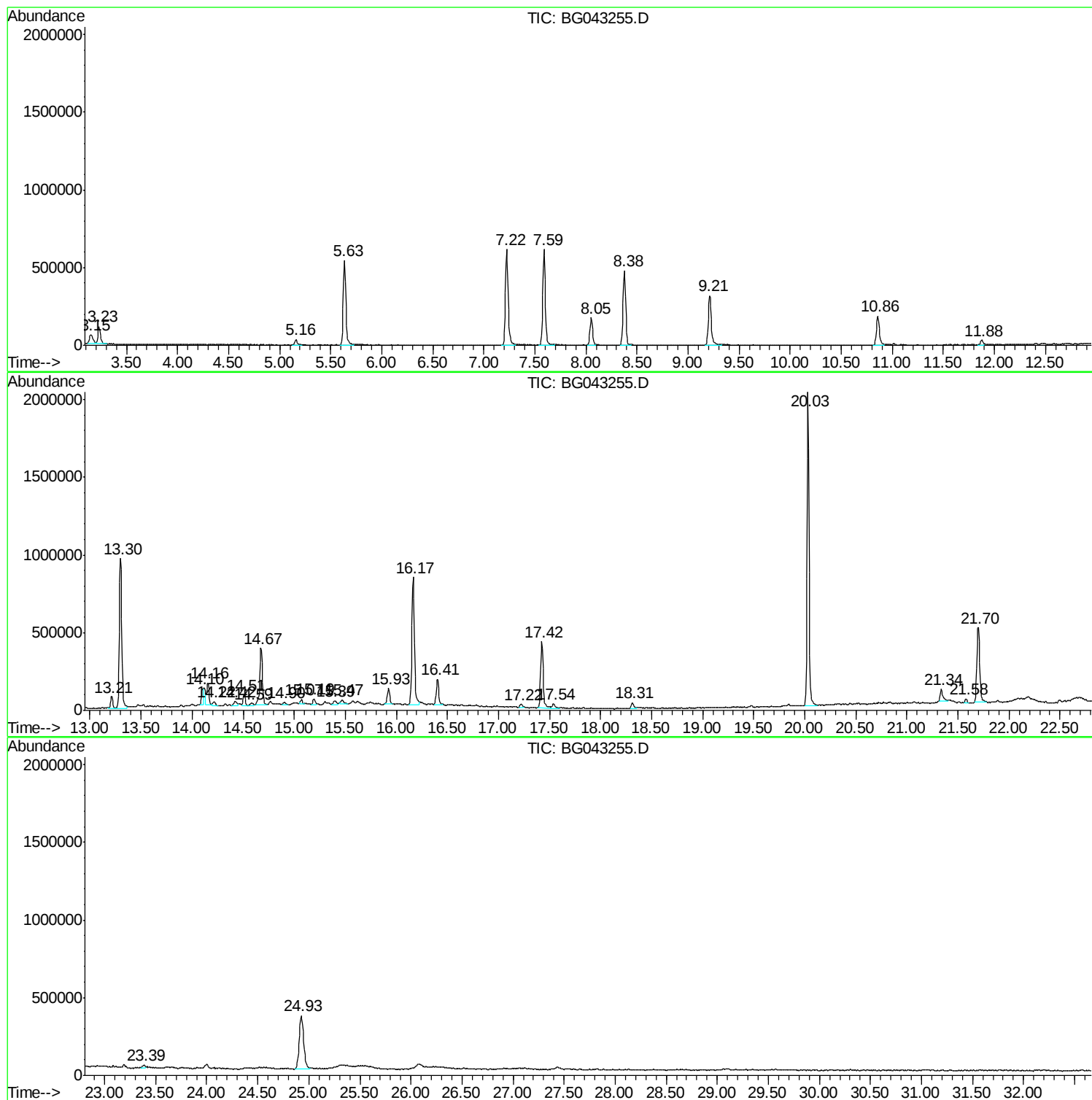
Sum of corrected areas: 16961078

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.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\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-SOIL

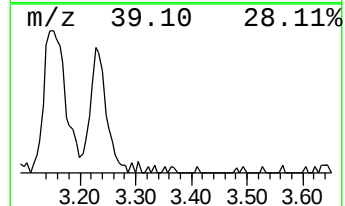
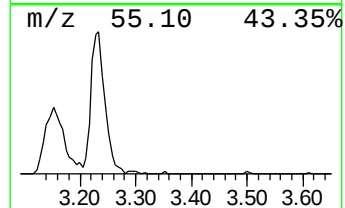
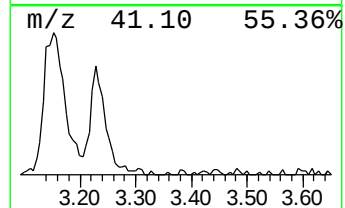
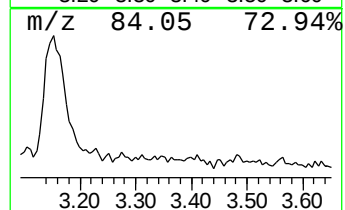
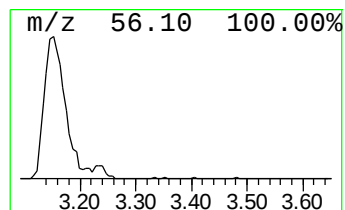
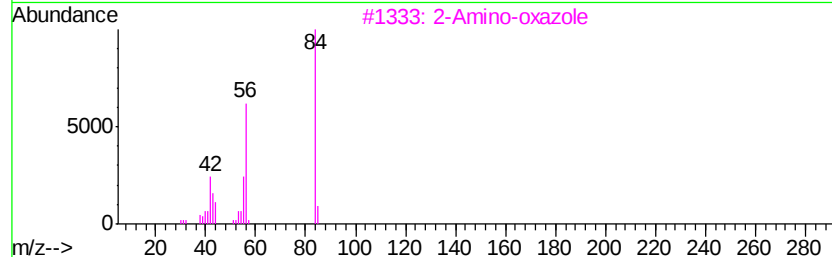
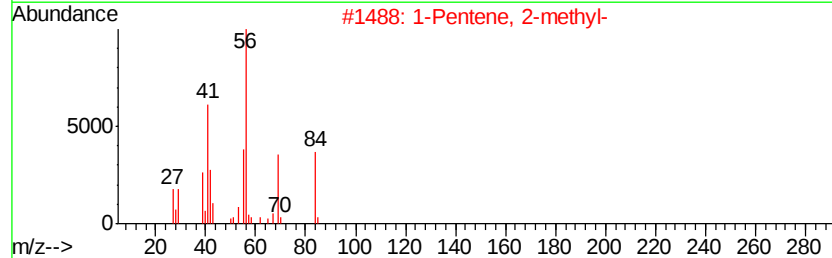
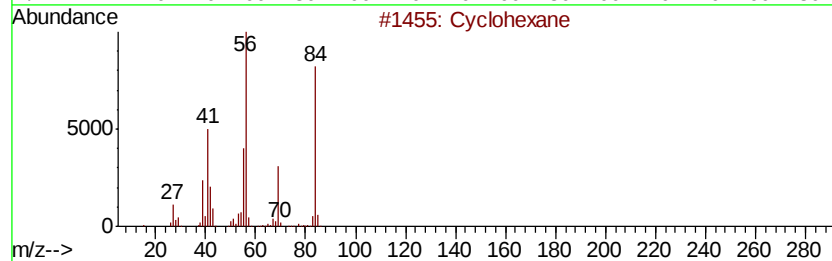
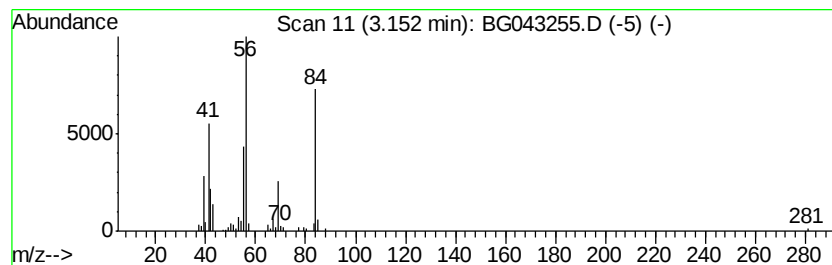
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	9.13 ng	140983	1,4-Dichlorobenzene-d4	8.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane	84	C6H12	000110-82-7	94
2		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	87
3		2-Amino-oxazole	84	C3H4N2O	004570-45-0	64
4		1-Hexene	84	C6H12	000592-41-6	53
5		Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-SOIL

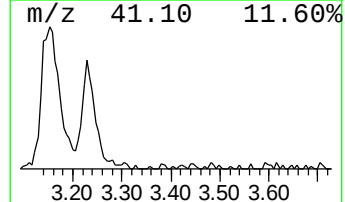
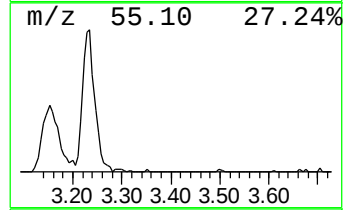
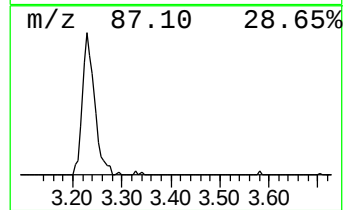
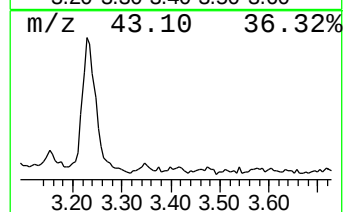
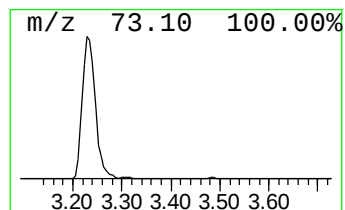
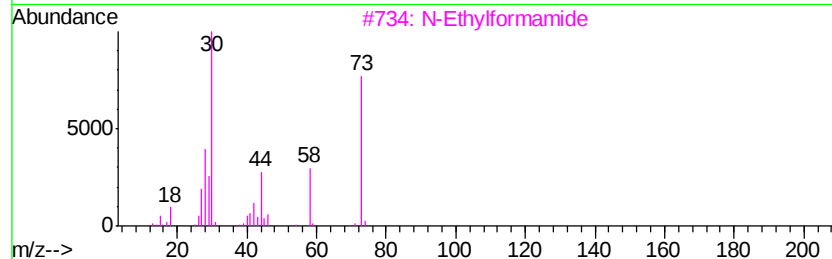
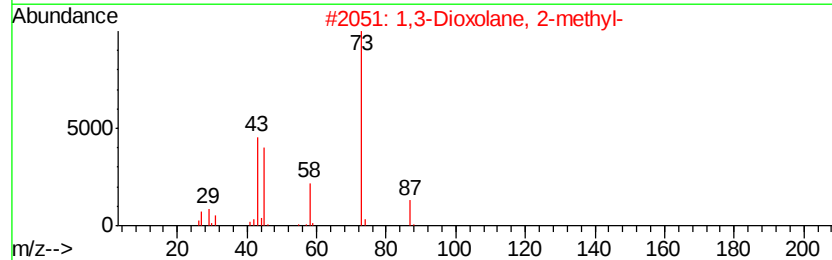
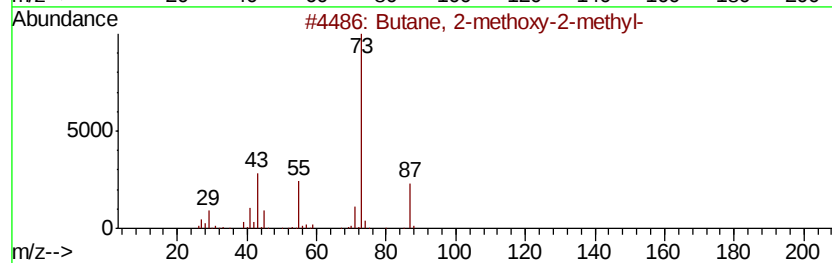
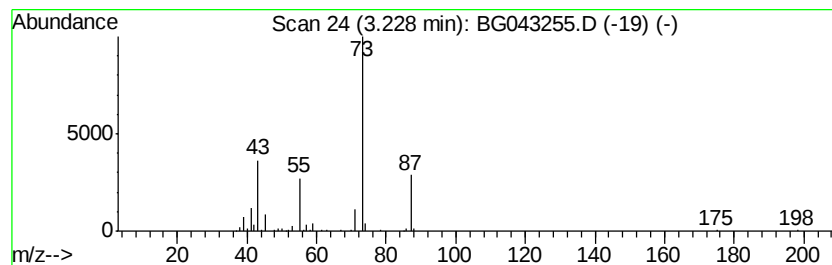
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.23	13.50 ng	208463	1,4-Dichlorobenzene-d4	8.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
3		N-Ethylformamide	73	C3H7NO	000627-45-2	9
4		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-SOIL

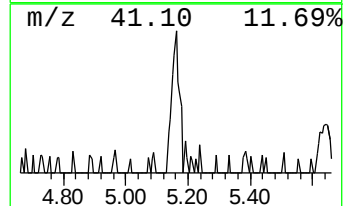
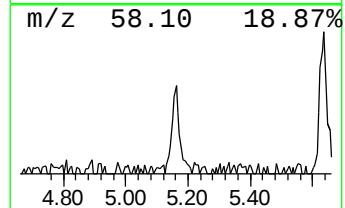
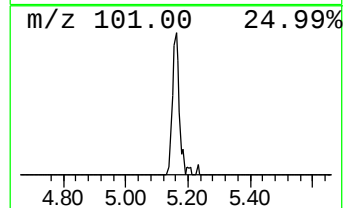
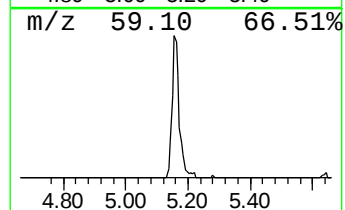
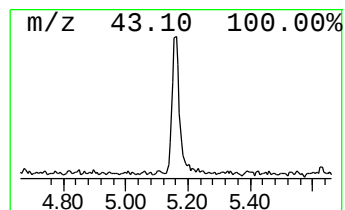
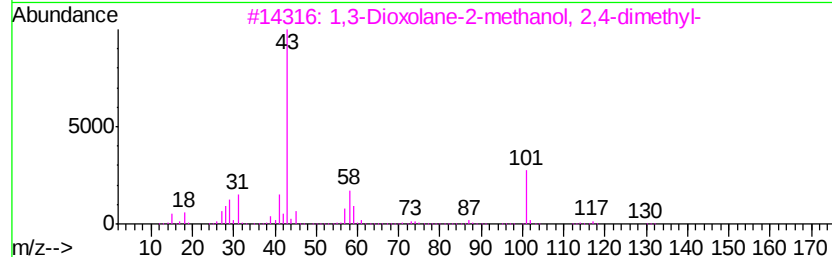
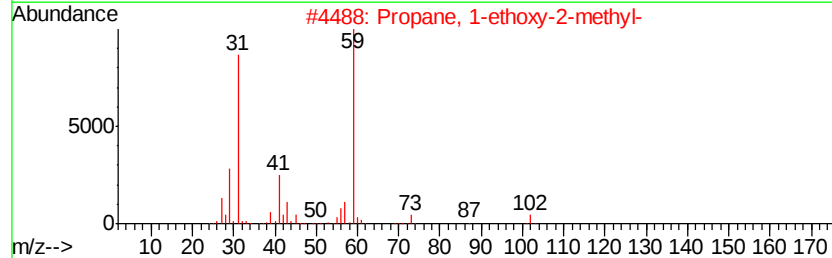
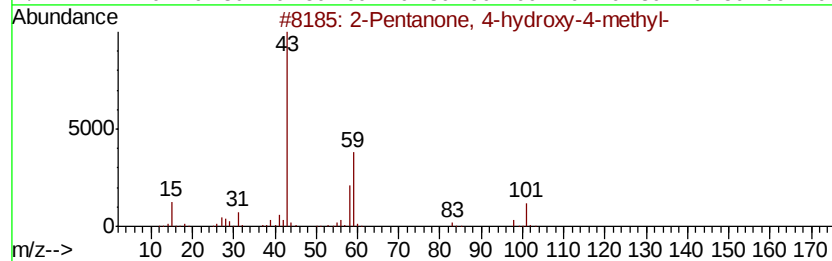
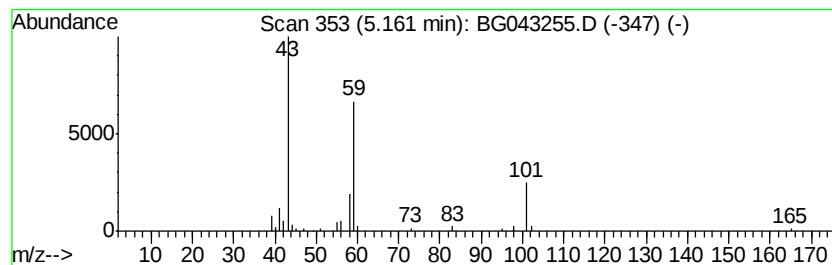
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown5.16 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	4.00 ng	61788	1,4-Dichlorobenzene-d4	8.05

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2			Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	27
3			1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25
4			Tetraolyme	222	C10H22O5	000143-24-8	25
5			2,5,8,11,14,17-Hexaoxaoctadecane	266	C12H26O6	001191-87-3	23



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-SOIL

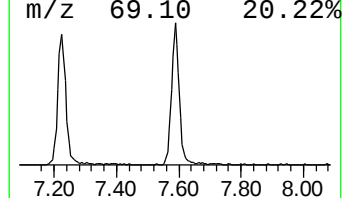
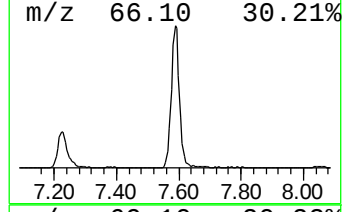
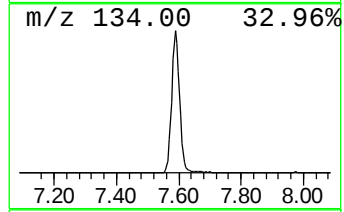
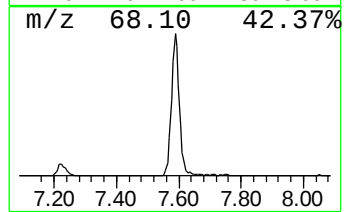
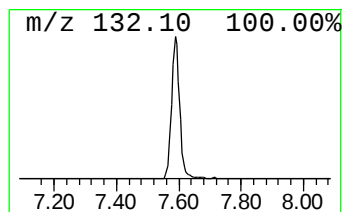
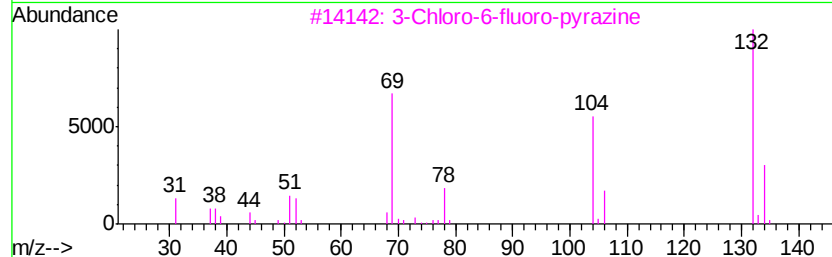
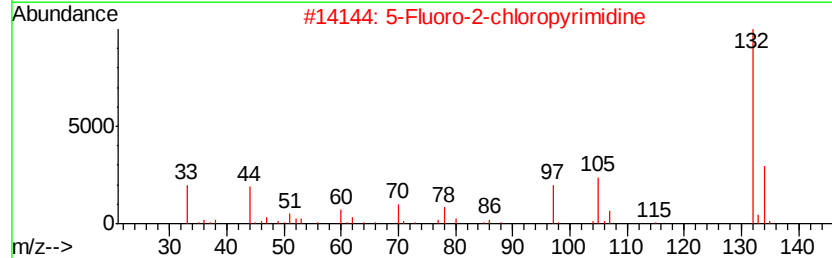
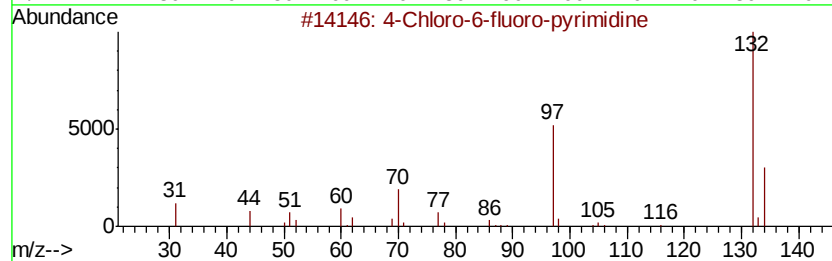
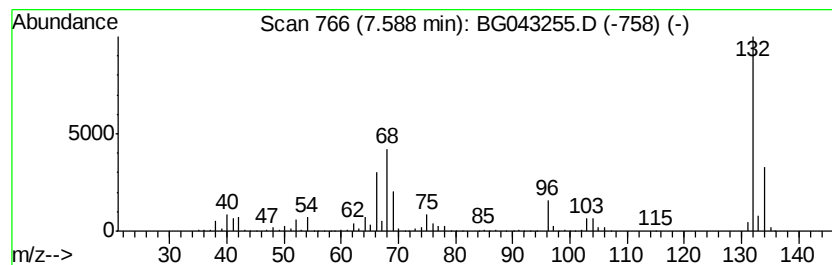
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown7.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	72.51 ng	1119430	1,4-Dichlorobenzene-d4	8.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
3		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
4		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	25
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-SOIL

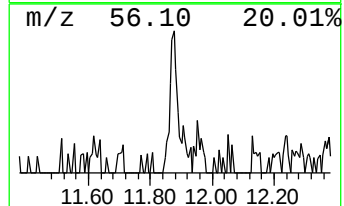
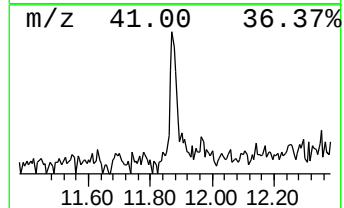
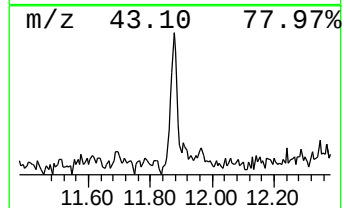
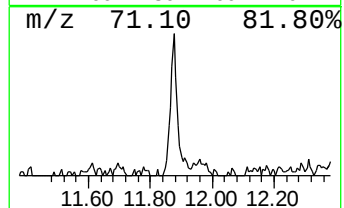
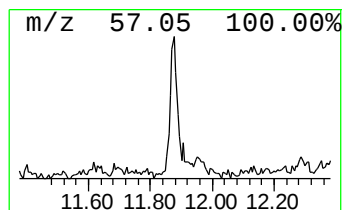
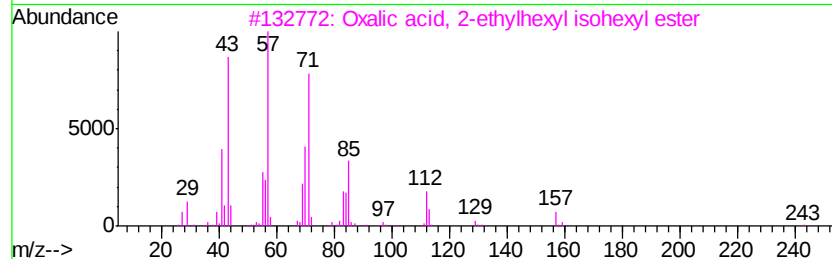
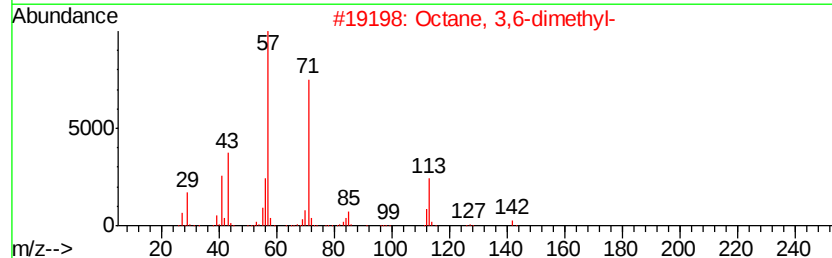
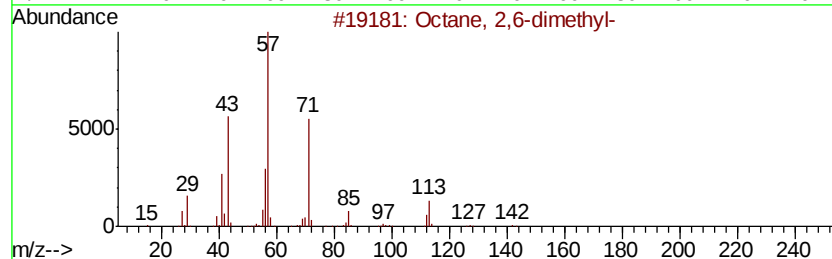
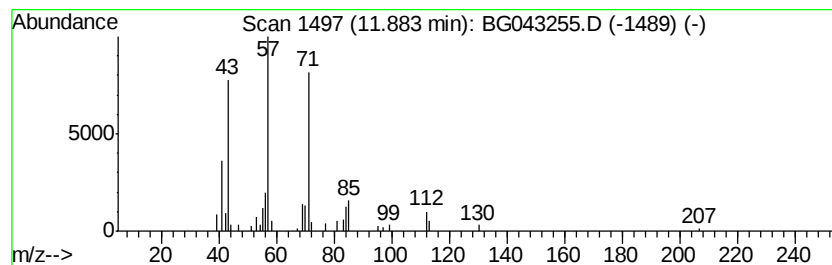
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.72 ng	53713	Napthalene-d8	10.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
3		Oxalic acid, 2-ethylhexyl isohex...	286	C16H30O4	1000309-38-8	64
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5		Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-SOIL

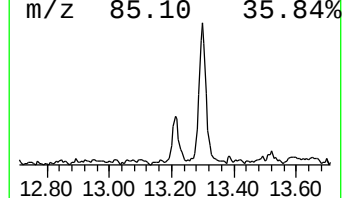
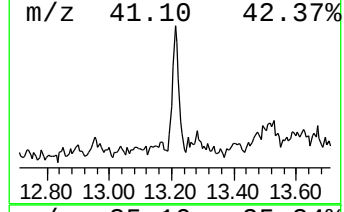
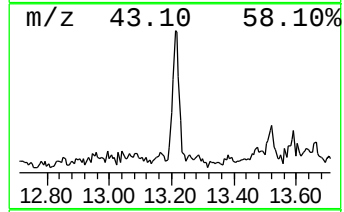
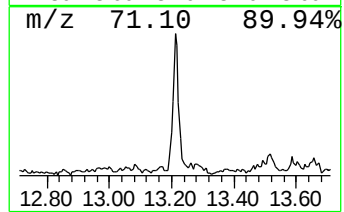
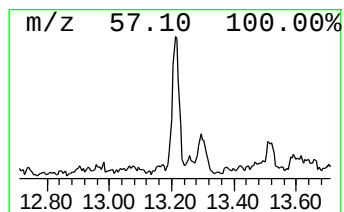
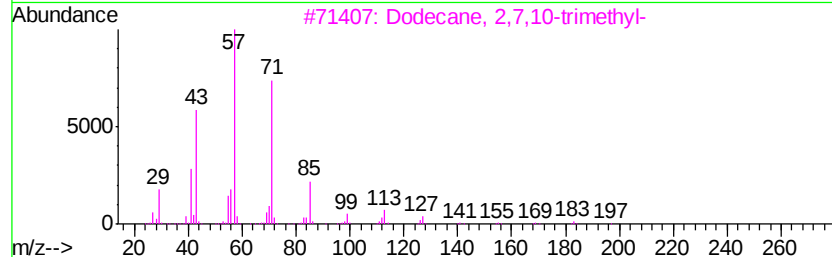
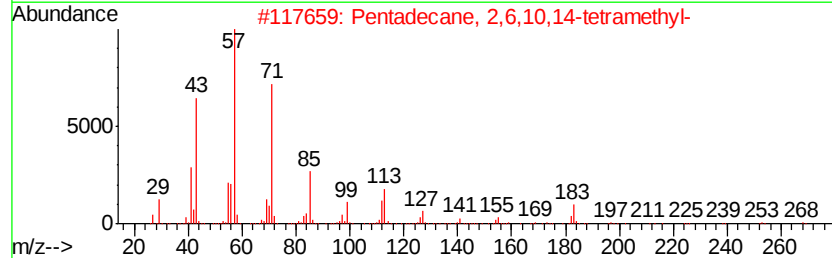
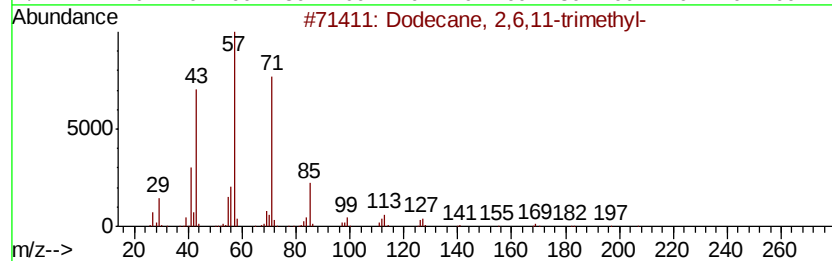
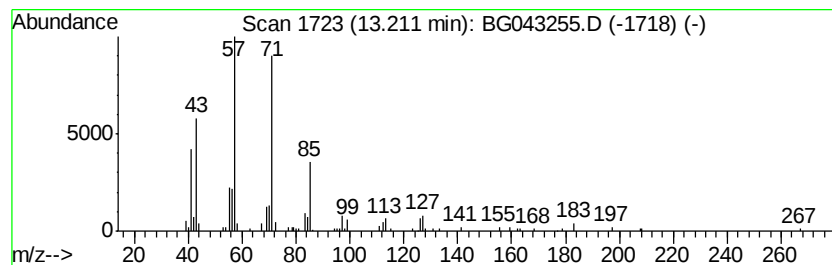
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dodecane, 2,6,11-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	3.21 ng	108217	Acenaphthene-d10	14.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64
5		Nonane, 5-butyl-	184	C13H28	017312-63-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-SOIL

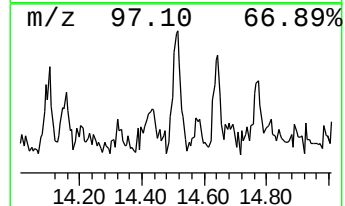
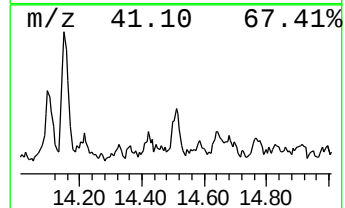
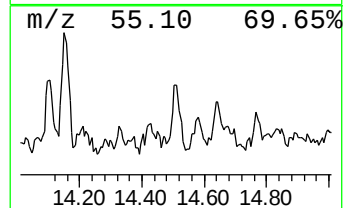
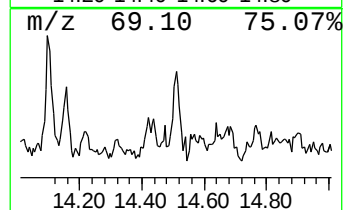
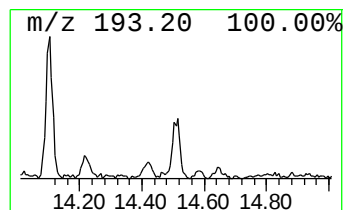
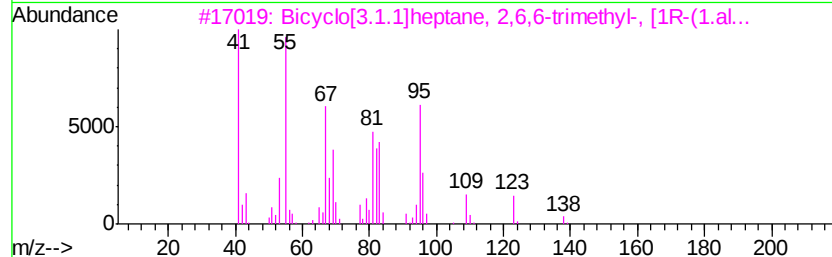
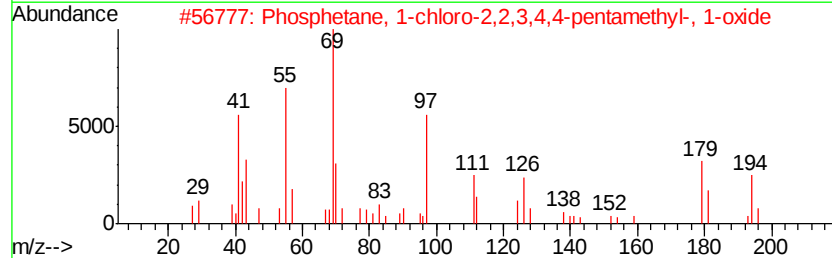
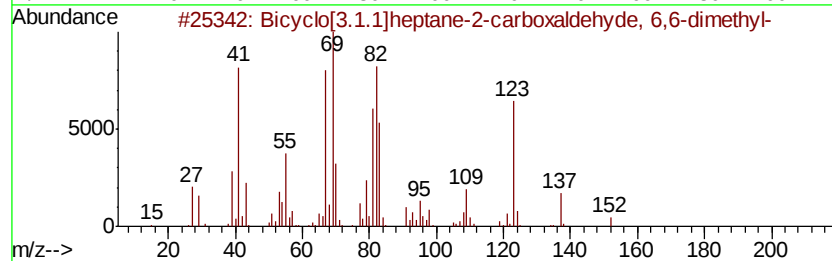
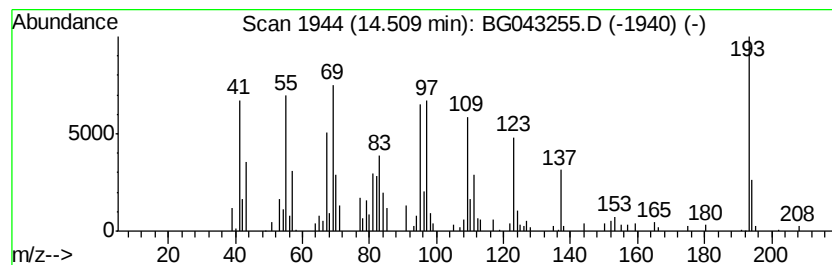
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown14.51 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	3.30 ng	111414	Acenaphthene-d10	14.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.1.1]heptane-2-carboxal...	152	C10H16O	004764-14-1	30
2		Phosphetane, 1-chloro-2,2,3,4,4-...	194	C8H16ClOP	029276-11-7	25
3		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	25
4		1,7-Dimethyl-4-(1-methylethyl)cy...	210	C15H30	000645-10-3	22
5		2H-1,6-Benzoxazocin-5(6H)-one, 3...	177	C10H11NO2	051110-93-1	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-SOIL

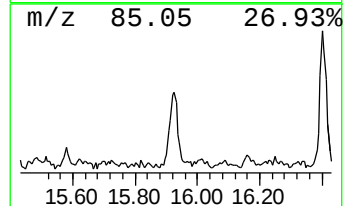
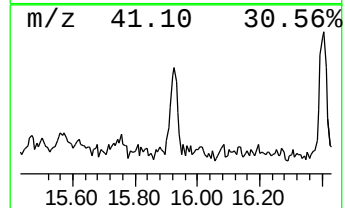
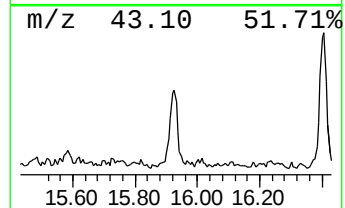
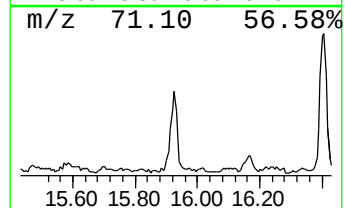
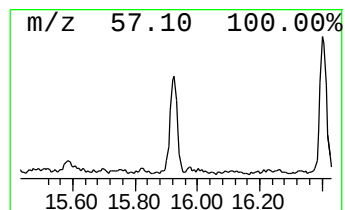
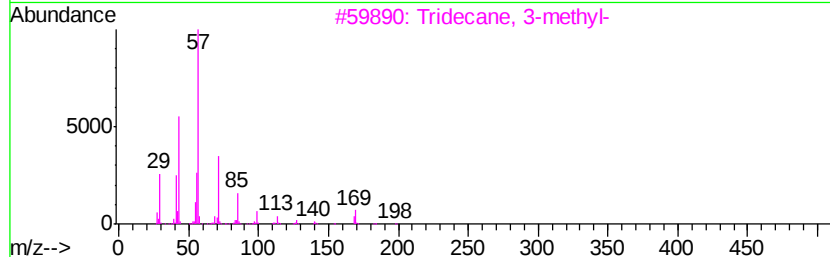
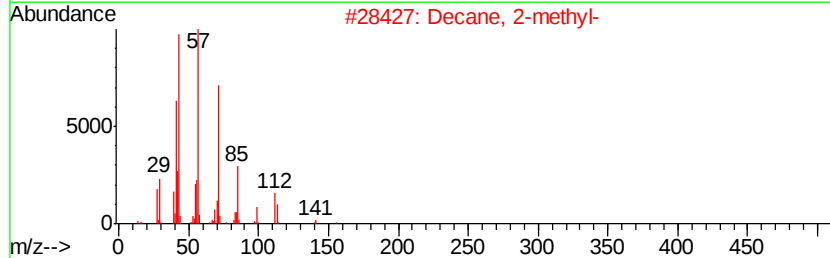
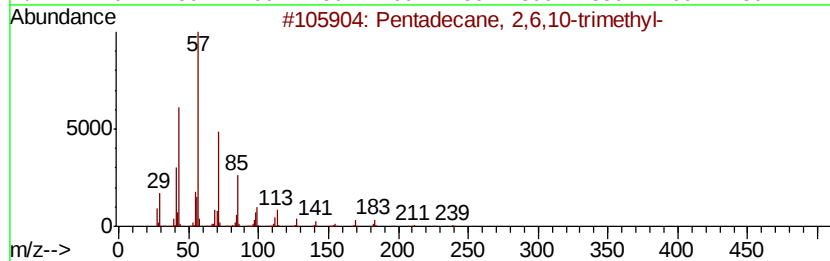
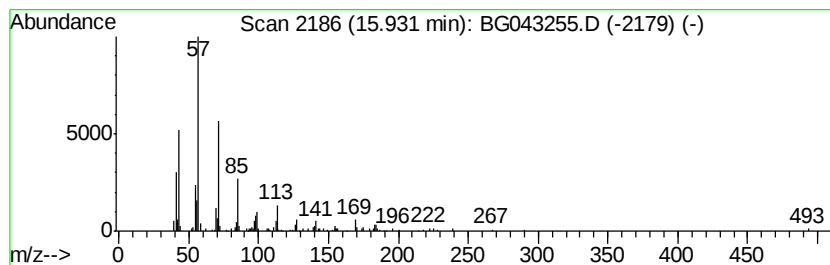
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	4.63 ng	156056	Acenaphthene-d10	14.67

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2		Decane, 2-methyl-	156	C11H24	006975-98-0	74
3		Tridecane, 3-methyl-	198	C14H30	006418-41-3	72
4		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
5		5,5-Dibutylnonane	240	C17H36	006008-17-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-SOIL

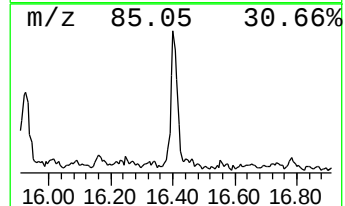
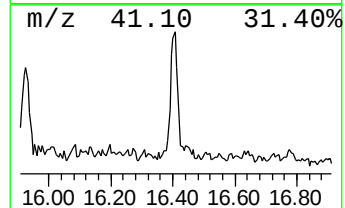
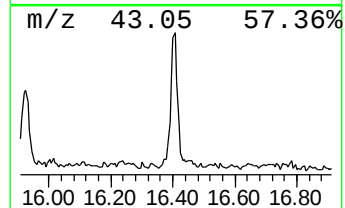
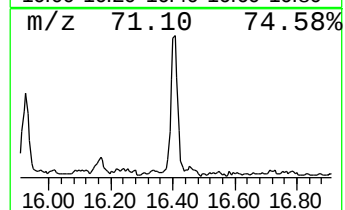
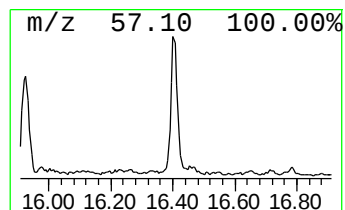
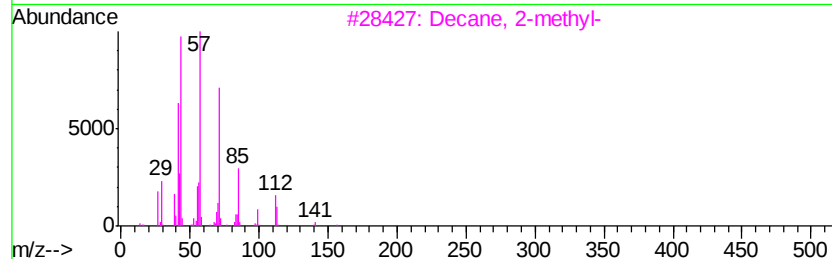
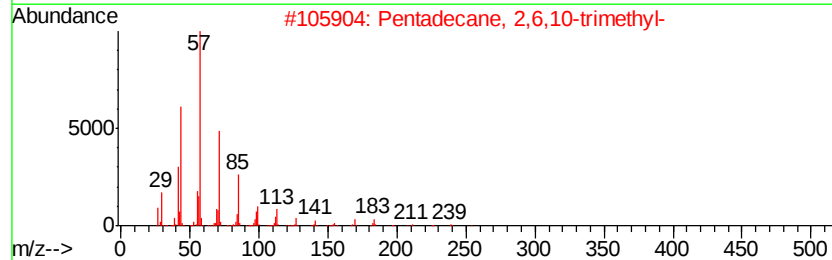
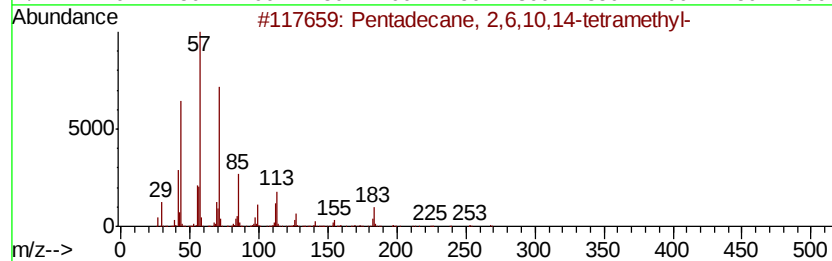
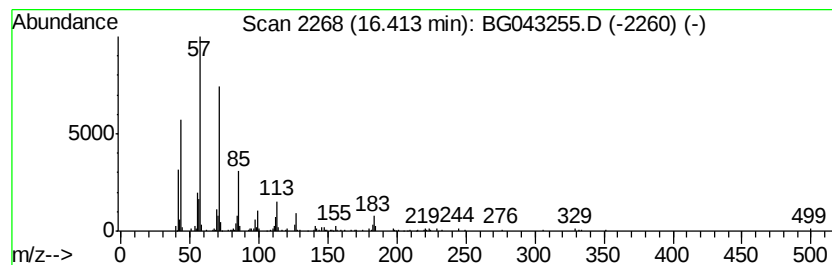
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pentadecane, 2,6,10,14-tetr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	7.13 ng	274568	Phenanthrene-d10	17.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
3		Decane, 2-methyl-	156	C11H24	006975-98-0	87
4		Tridecane, 4-methyl-	198	C14H30	026730-12-1	87
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-SOIL

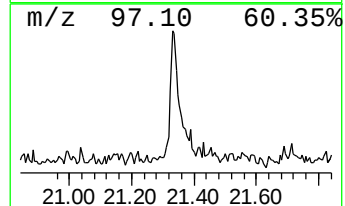
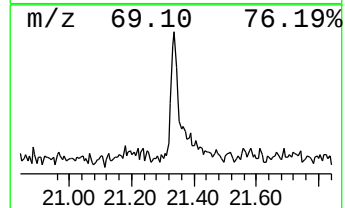
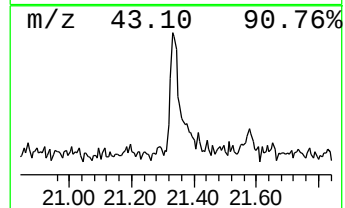
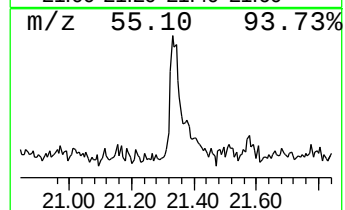
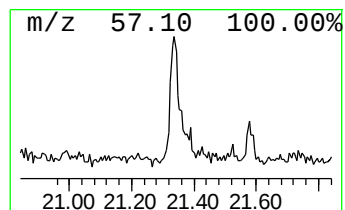
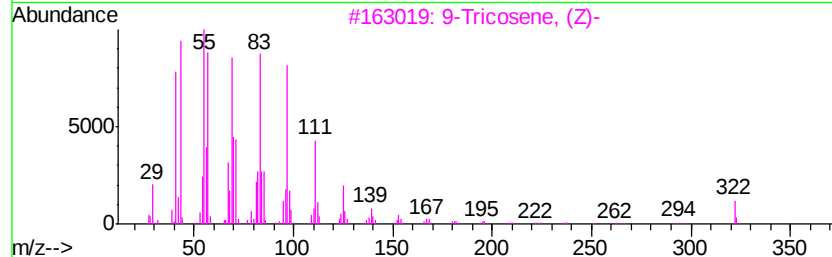
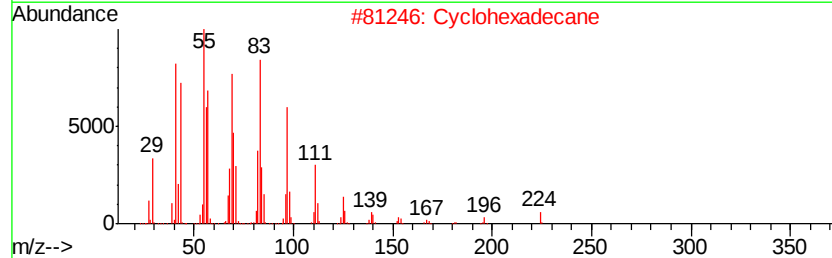
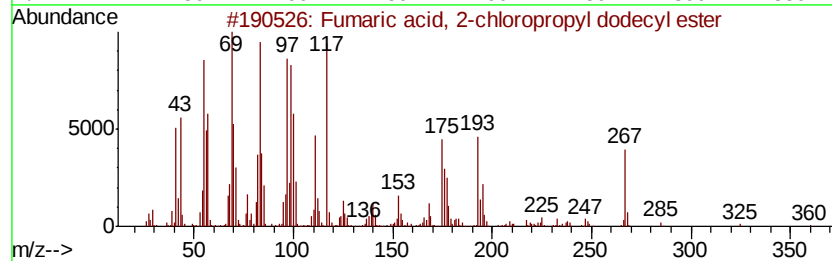
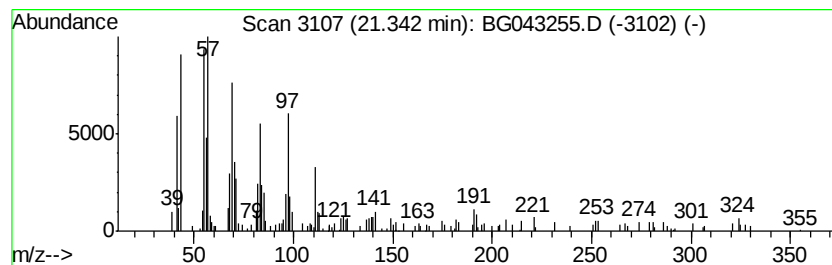
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Fumaric acid, 2-chloropropyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	3.28 ng	153784	Chrysene-d12	21.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fumaric acid, 2-chloropropyl dodecyl ester	360	C19H33ClO4	1000348-57-0	98
2		Cyclohexadecane	224	C16H32	000295-65-8	96
3		9-Tricosene, (Z)-	322	C23H46	027519-02-4	94
4		1-Tricosene	322	C23H46	018835-32-0	93
5		Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101619\
Data File : BG043255.D
Acq On : 16 Oct 2019 21:32
Operator : JU
Sample : K5351-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A-FRAME-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.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
1-Pentene, 2-methyl-	3.15	9.1 ng		140983	1	8.05	308770	20.0
Butane, 2-methoxy...	3.23	13.5 ng		208463	1	8.05	308770	20.0
unknown5.16	5.16	4.0 ng		61788	1	8.05	308770	20.0
unknown7.59	7.59	72.5 ng		1119430	1	8.05	308770	20.0
Octane, 2,6-dimet...	11.88	2.7 ng		53713	2	10.85	395671	20.0
Dodecane, 2,6,11-...	13.21	3.2 ng		108217	3	14.67	674528	20.0
unknown14.51	14.51	3.3 ng		111414	3	14.67	674528	20.0
Pentadecane, 2,6,...	15.93	4.6 ng		156056	3	14.67	674528	20.0
Pentadecane, 2,6,...	16.41	7.1 ng		274568	4	17.42	769934	20.0
Fumaric acid, 2-c...	21.34	3.3 ng		153784	5	21.69	937945	20.0