

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
 Data File : BM018821.D
 Acq On : 15 Feb 2019 17:42
 Operator : JU/SJ
 Sample : K1501-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CH-021419

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_M\METHODS\8270-BM021119.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	4.863	297	302	312	rBV	457629	666307	2.12%	0.367%
2	5.304	370	377	395	rBV	11515700	15971344	50.84%	8.796%
3	6.892	638	647	667	rBV	10526255	17456362	55.57%	9.613%
4	7.245	699	707	724	rBV	11360168	17649713	56.19%	9.720%
5	7.704	779	785	793	rBV	1415559	2254959	7.18%	1.242%
6	8.028	832	840	851	rBV	7790476	12443283	39.61%	6.853%
7	8.881	976	985	1001	rBV	6290449	10388265	33.07%	5.721%
8	10.498	1252	1260	1272	rBV	1763748	3035546	9.66%	1.672%
9	12.974	1673	1681	1703	rBV	15197247	22689849	72.23%	12.496%
10	13.821	1817	1825	1839	rBV	503688	775696	2.47%	0.427%
11	14.357	1909	1916	1926	rBV2	2543882	3971391	12.64%	2.187%
12	15.857	2164	2171	2201	rBV	13407425	18794069	59.83%	10.350%
13	17.109	2378	2384	2389	rBV	3238112	4617981	14.70%	2.543%
14	17.998	2530	2535	2547	rBV	976139	1536106	4.89%	0.846%
15	19.280	2749	2753	2764	rBV	330193	527262	1.68%	0.290%
16	19.745	2826	2832	2838	rBV	25084763	31412017	100.00%	17.299%
17	21.003	3042	3046	3058	rBV	1715521	2273877	7.24%	1.252%
18	21.303	3091	3097	3102	rBV	4006319	5075462	16.16%	2.795%
19	21.439	3117	3120	3127	rBV	502548	528025	1.68%	0.291%
20	21.874	3190	3194	3202	rBV	728182	1008104	3.21%	0.555%
21	22.339	3269	3273	3281	rBV	900489	1145990	3.65%	0.631%
22	22.844	3355	3359	3364	rBV	850230	1216696	3.87%	0.670%
23	23.415	3452	3456	3462	rVB	675664	1014008	3.23%	0.558%
24	23.562	3474	3481	3491	rVB	2244925	4238114	13.49%	2.334%
25	24.068	3562	3567	3576	rVB	480025	892326	2.84%	0.491%

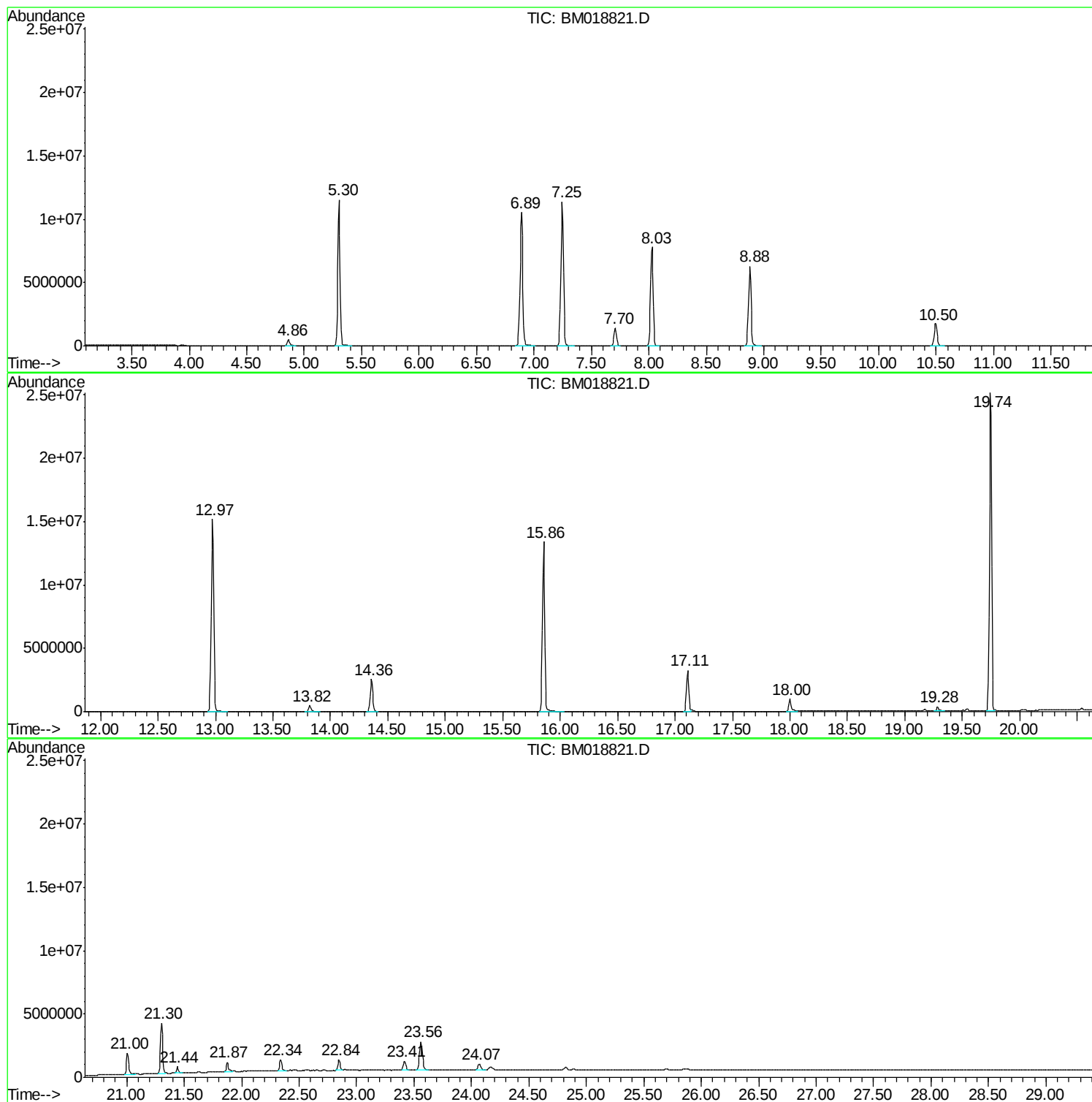
Sum of corrected areas: 181582752

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
Data File : BM018821.D
Acq On : 15 Feb 2019 17:42
Operator : JU/SJ
Sample : K1501-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CH-021419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
Data File : BM018821.D
Acq On : 15 Feb 2019 17:42
Operator : JU/SJ
Sample : K1501-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CH-021419

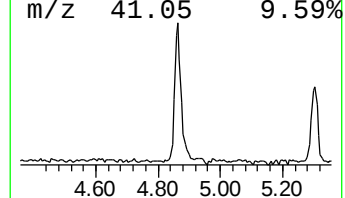
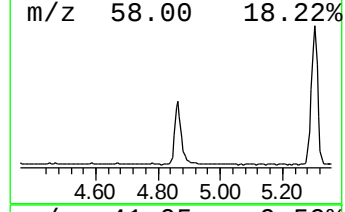
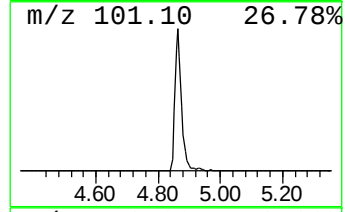
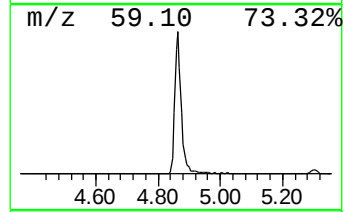
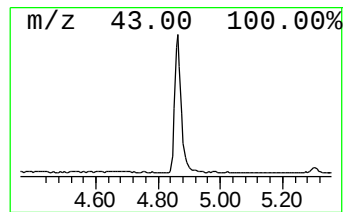
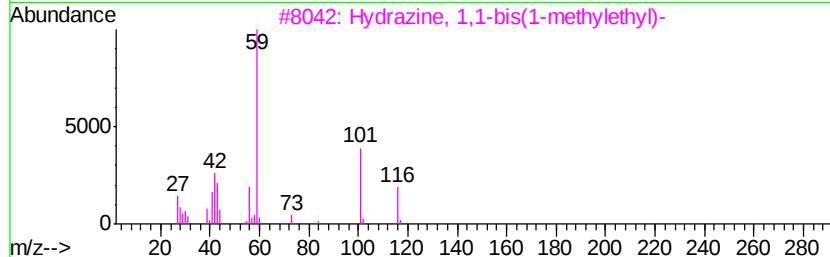
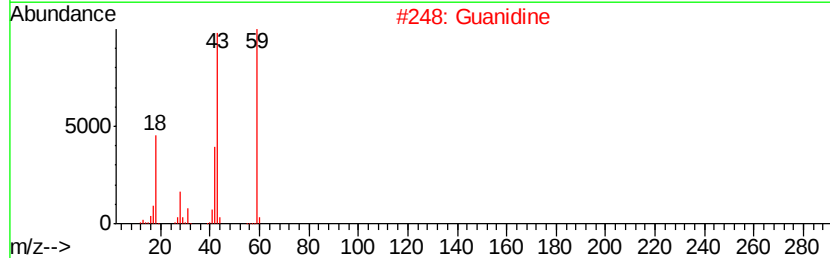
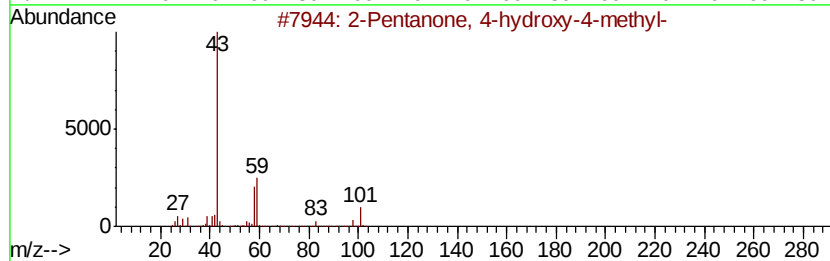
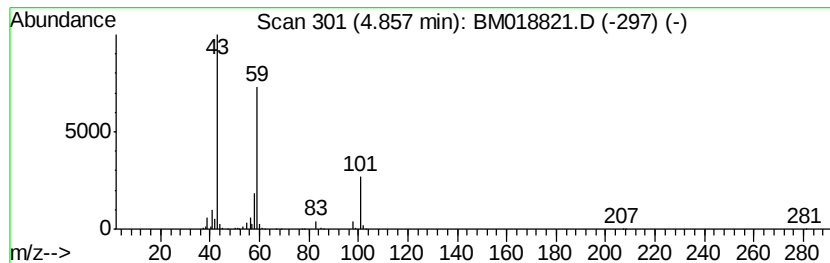
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	5.91 ng	666307	1,4-Dichlorobenzene-d4	7.71

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2			Guanidine	59	CH5N3	000113-00-8	50
3			Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	36
4			Dimethadione	129	C5H7NO3	000695-53-4	36
5			Acetic acid, 10,11-dihydroxy-3,7...	298	C17H30O4	1000194-28-5	33



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
Data File : BM018821.D
Acq On : 15 Feb 2019 17:42
Operator : JU/SJ
Sample : K1501-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CH-021419

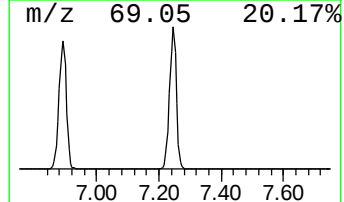
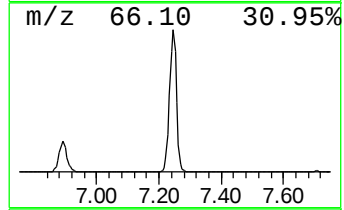
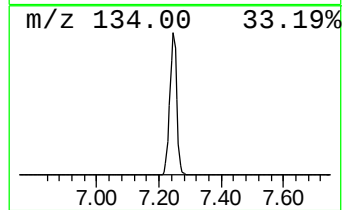
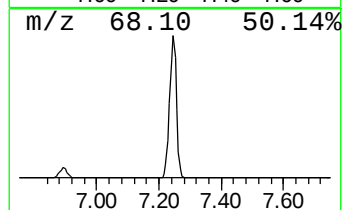
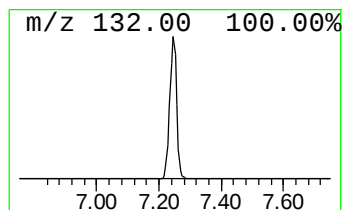
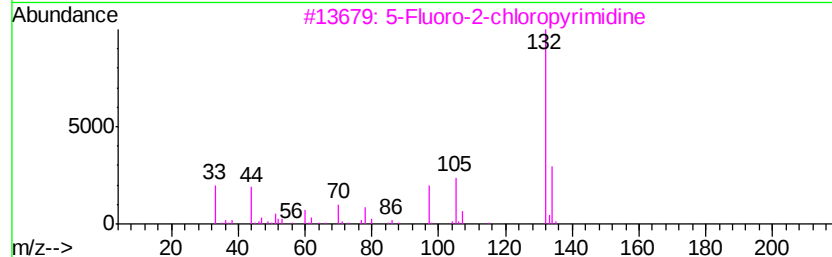
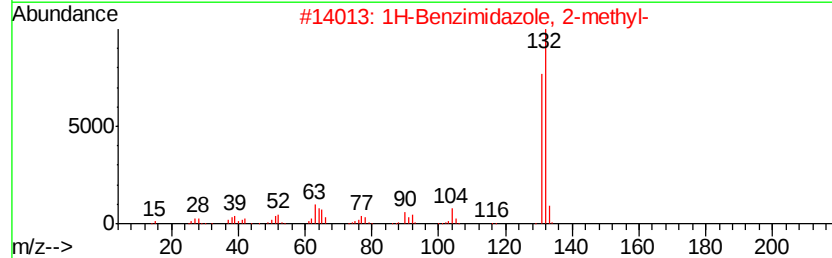
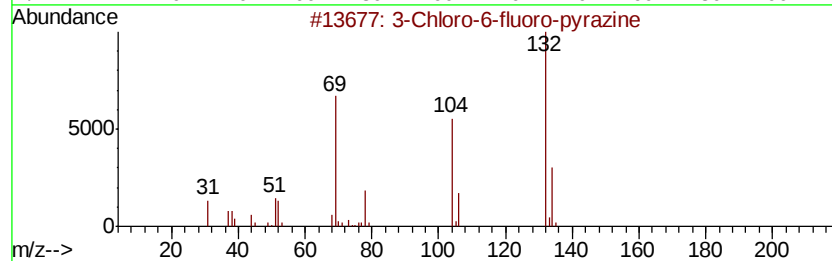
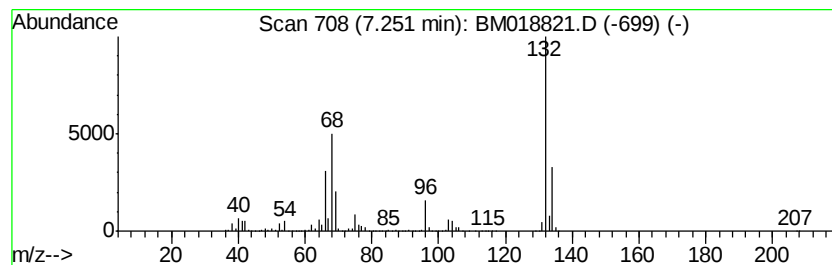
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.25 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	156.54 ng	17649700	1,4-Dichlorobenzene-d4	7.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
Data File : BM018821.D
Acq On : 15 Feb 2019 17:42
Operator : JU/SJ
Sample : K1501-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

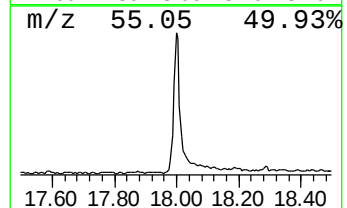
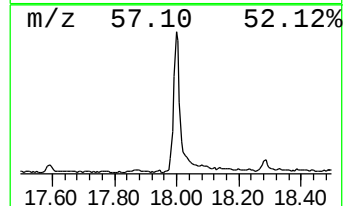
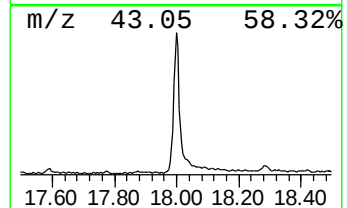
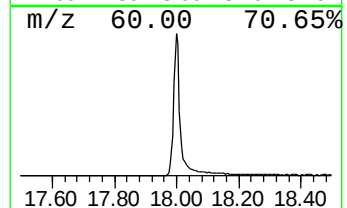
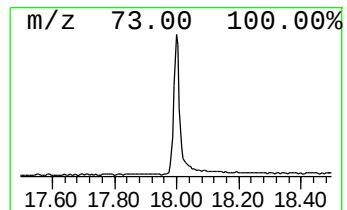
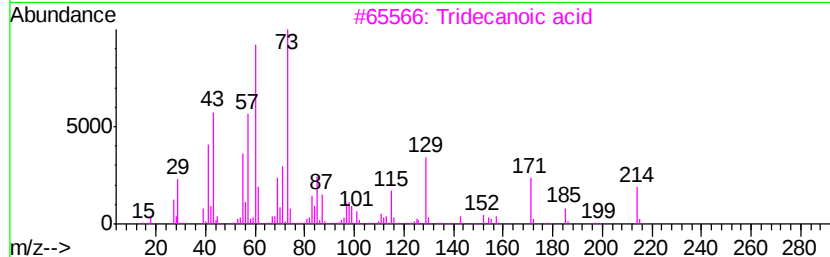
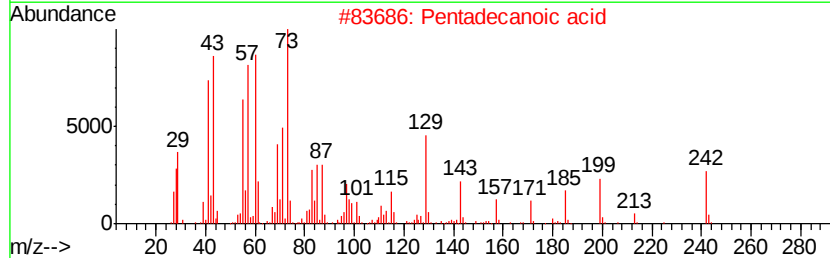
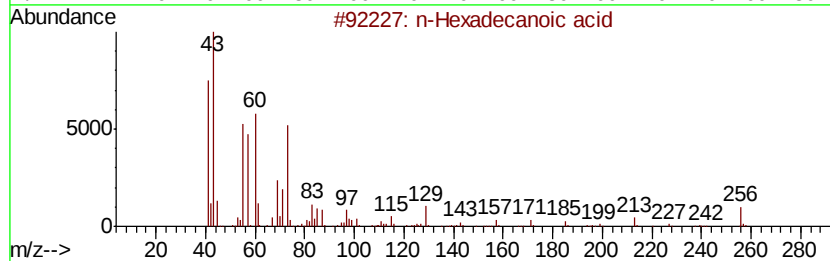
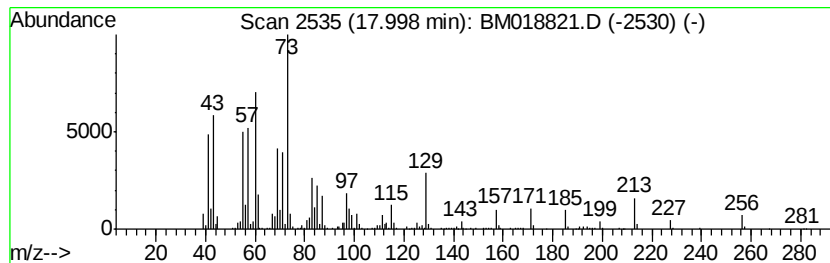
Instrument :
BNA_M
ClientSampleId :
CH-021419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
18.00	6.65 ng	1536110	Phenanthrene-d10		17.11
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	64
4	Undecanoic acid	186	C11H22O2	000112-37-8	47
5	Undecane	156	C11H24	001120-21-4	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
Data File : BM018821.D
Acq On : 15 Feb 2019 17:42
Operator : JU/SJ
Sample : K1501-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CH-021419

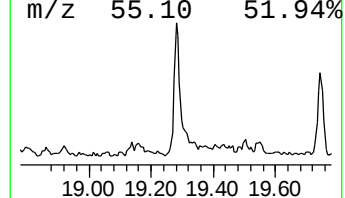
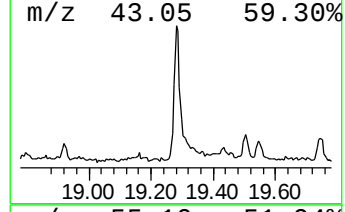
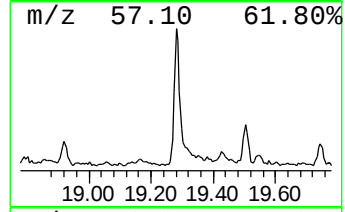
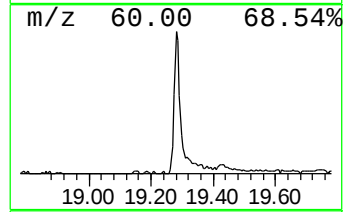
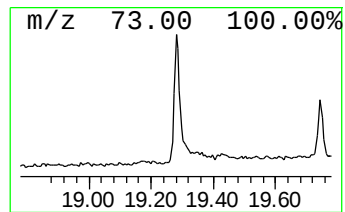
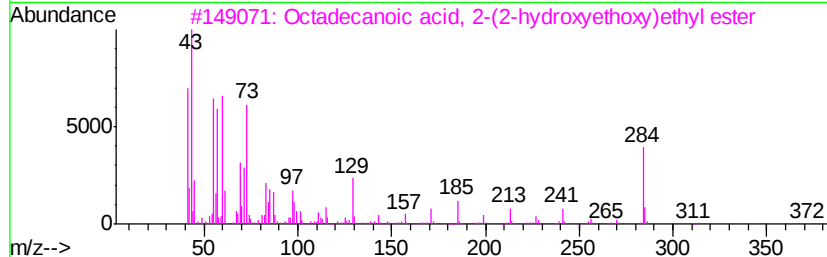
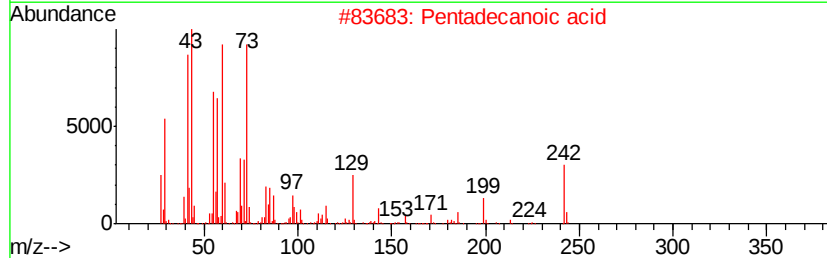
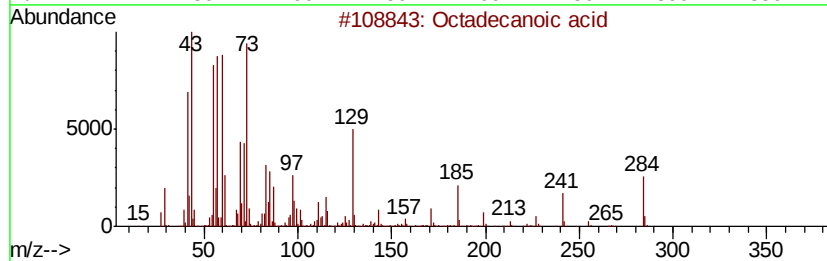
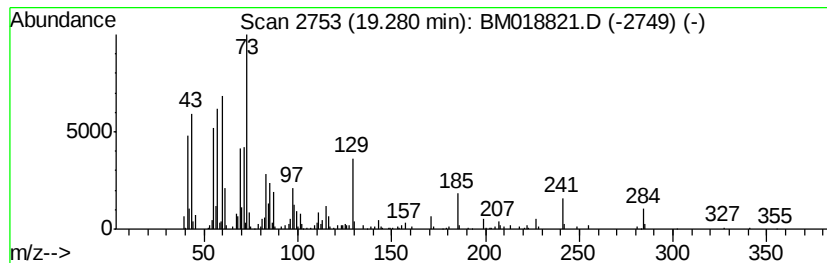
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	2.08 ng	527262	Chrysene-d12	21.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	87
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5		Tridecanoic acid	214	C13H26O2	000638-53-9	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
Data File : BM018821.D
Acq On : 15 Feb 2019 17:42
Operator : JU/SJ
Sample : K1501-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

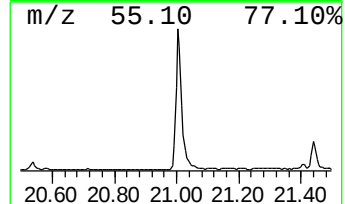
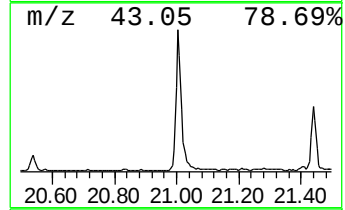
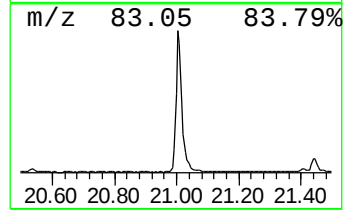
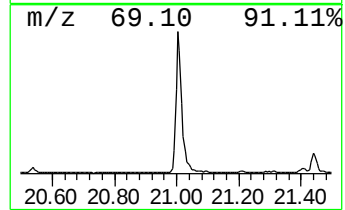
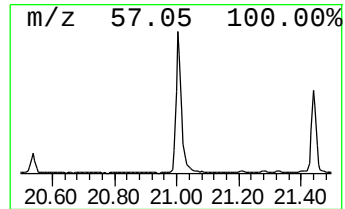
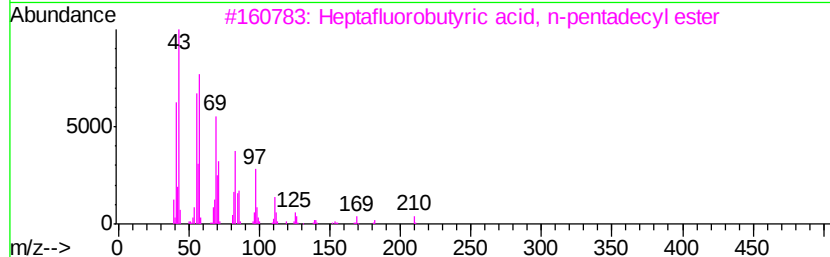
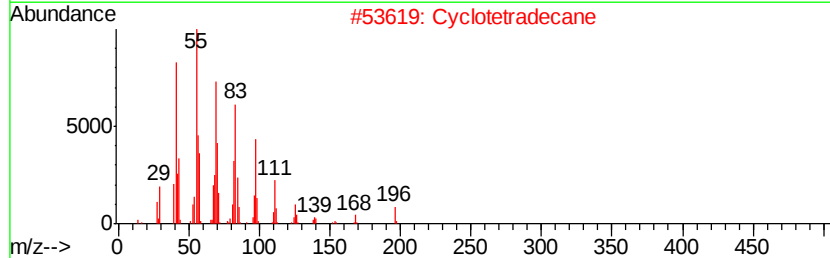
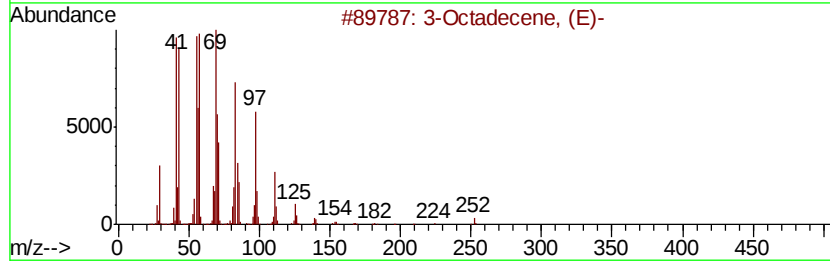
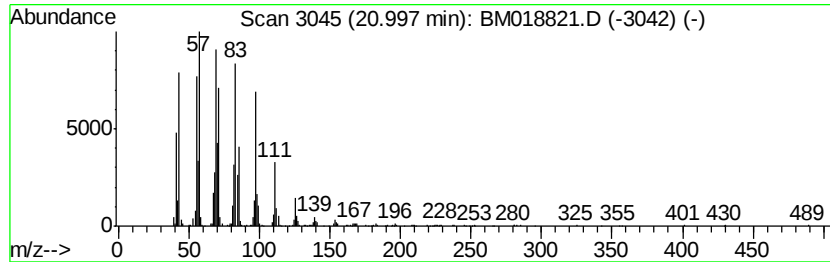
Instrument :
BNA_M
ClientSampleId :
CH-021419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 3-Octadecene, (E)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.00	8.96 ng	2273880	Chrysene-d12	21.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octadecene, (E)-	252	C18H36	007206-19-1	97
2	Cyclotetradecane	196	C14H28	000295-17-0	93
3	Heptafluorobutvric acid, n-penta...	424	C19H31F7O2	1000216-79-3	90
4	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	87
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
Data File : BM018821.D
Acq On : 15 Feb 2019 17:42
Operator : JU/SJ
Sample : K1501-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

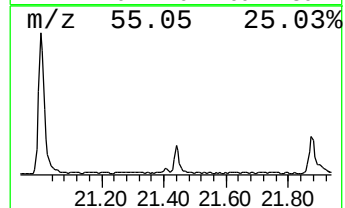
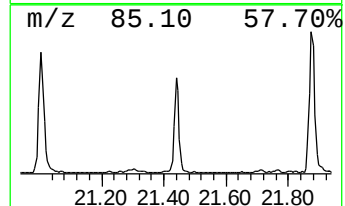
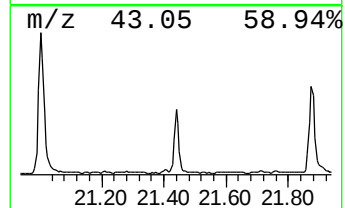
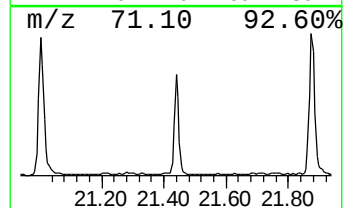
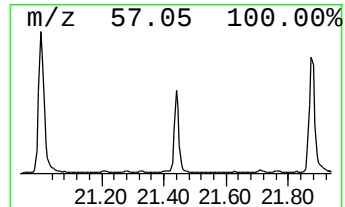
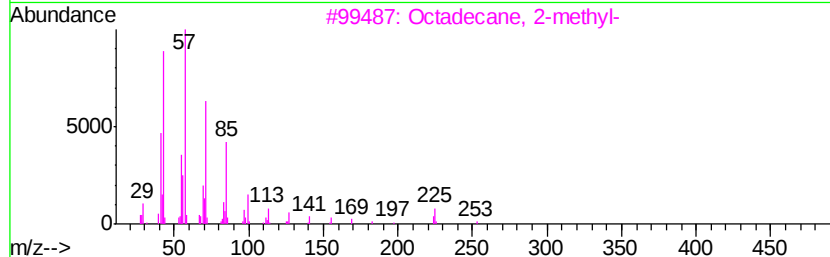
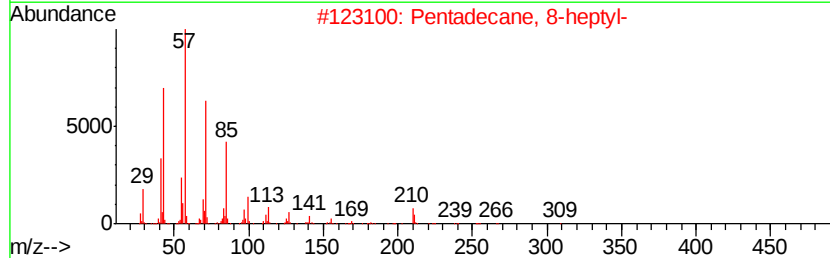
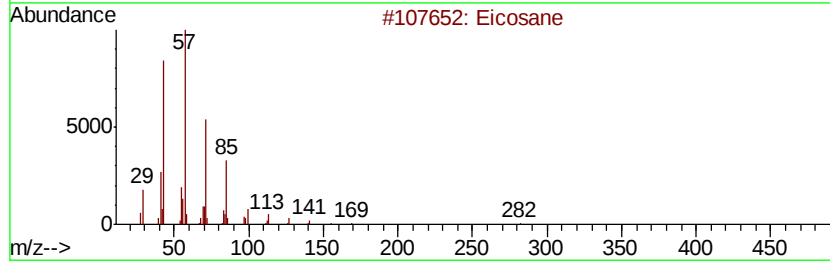
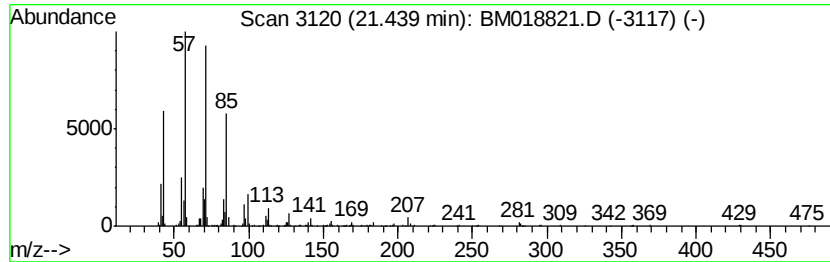
Instrument :
BNA_M
ClientSampleId :
CH-021419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	2.08 ng	528025	Chrysene-d12	21.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Eicosane		282 C20H42	000112-95-8 91
2	Pentadecane, 8-heptyl-		310 C22H46	071005-15-7 91
3	Octadecane, 2-methyl-		268 C19H40	001560-88-9 90
4	Heptadecane, 2,6,10,15-tetramethyl-		296 C21H44	054833-48-6 87
5	2-Thiopheneacetic acid, 4-tetrad...		338 C20H34O2S	1000280-67-0 80



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
Data File : BM018821.D
Acq On : 15 Feb 2019 17:42
Operator : JU/SJ
Sample : K1501-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

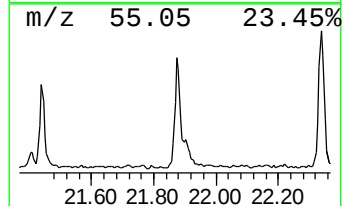
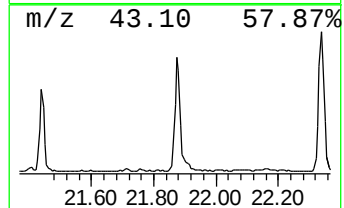
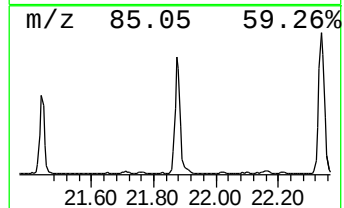
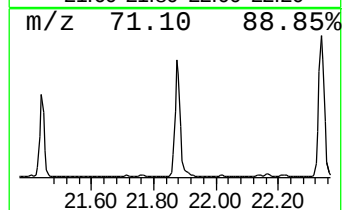
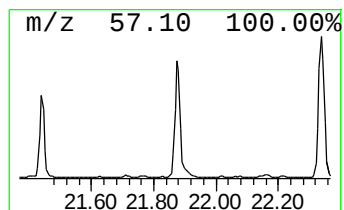
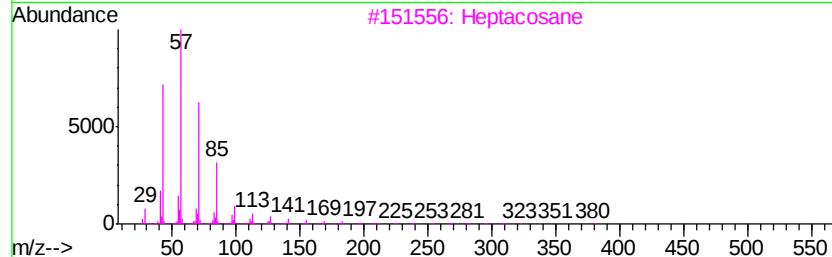
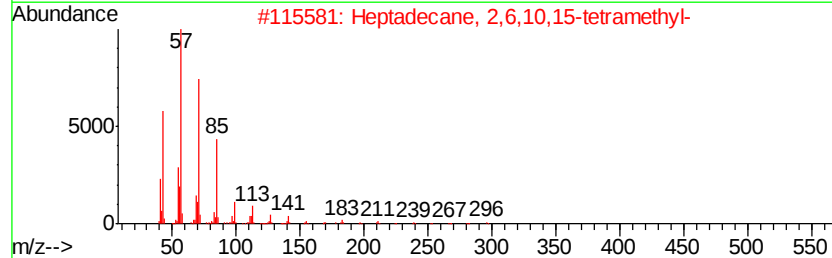
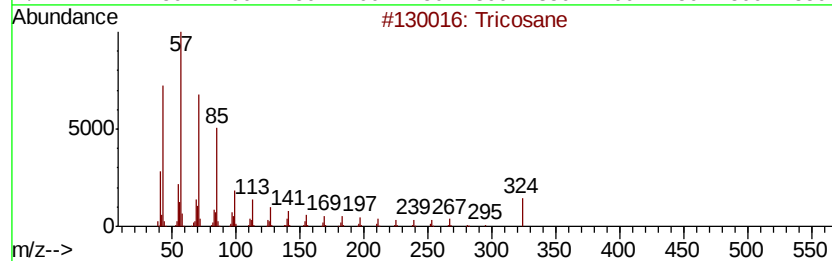
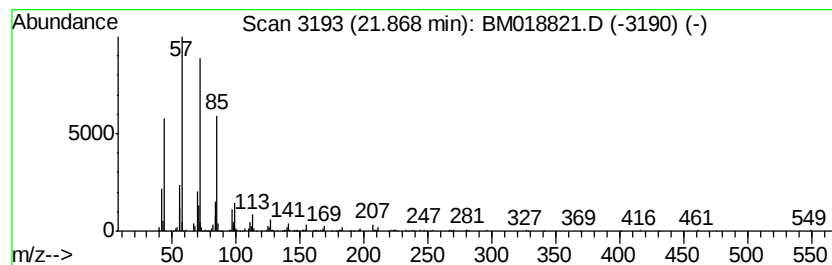
Instrument :
BNA_M
ClientSampleId :
CH-021419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Tricosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	3.97 ng	1008100	Chrysene-d12	21.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tricosane		324 C23H48	000638-67-5 89
2	Heptadecane, 2,6,10,15-tetramethyl-		296 C21H44	054833-48-6 86
3	Heptacosane		380 C27H56	000593-49-7 81
4	2-Thiopheneacetic acid, 4-tetrad...		338 C20H34O2S	1000280-67-0 80
5	Octacosane		394 C28H58	000630-02-4 72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
Data File : BM018821.D
Acq On : 15 Feb 2019 17:42
Operator : JU/SJ
Sample : K1501-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

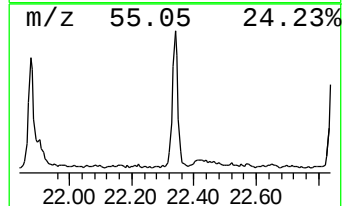
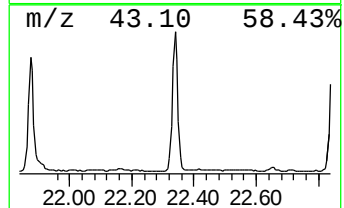
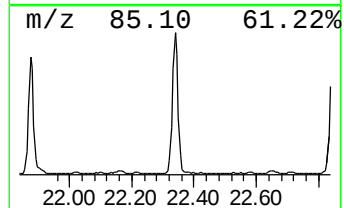
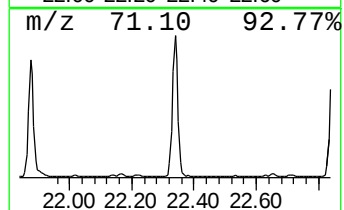
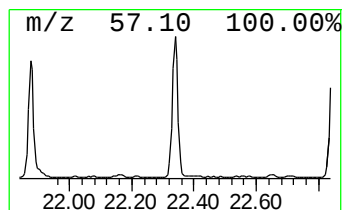
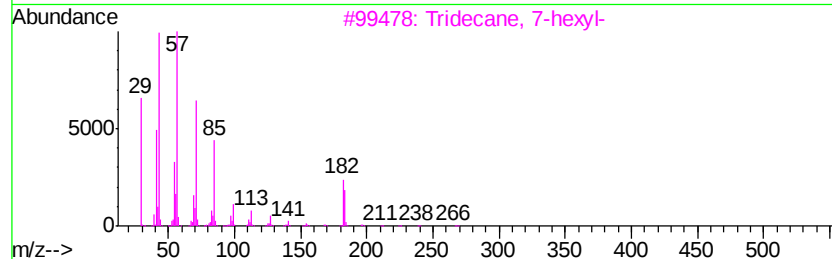
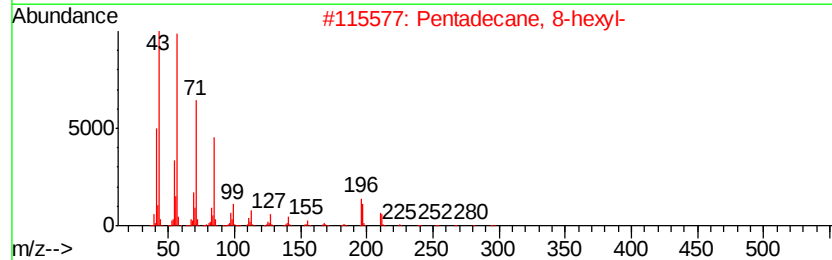
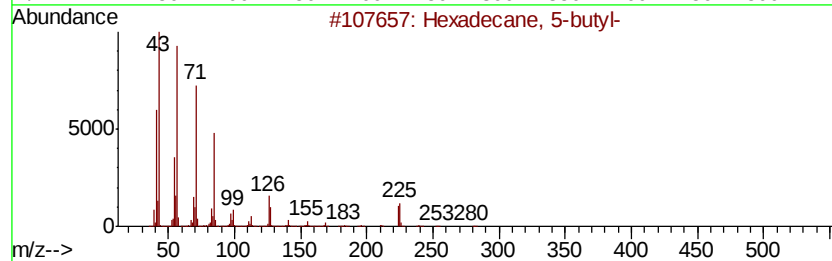
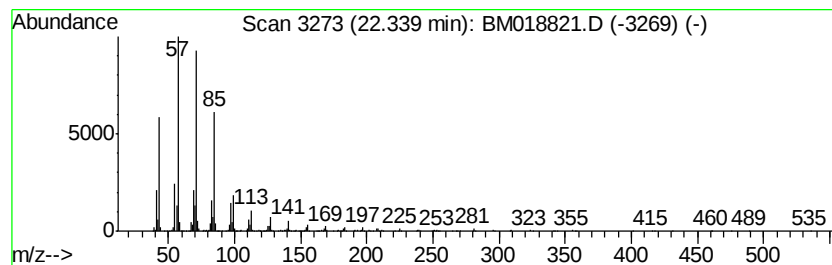
Instrument :
BNA_M
ClientSampleId :
CH-021419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Hexadecane, 5-butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
22.34	4.52 ng	1145990	Chrysene-d12		21.30	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane, 5-butyl-	282	C20H42	006912-07-8	93
2		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
3		Tridecane, 7-hexyl-	268	C19H40	007225-66-3	91
4		Heneicosane	296	C21H44	000629-94-7	91
5		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
Data File : BM018821.D
Acq On : 15 Feb 2019 17:42
Operator : JU/SJ
Sample : K1501-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CH-021419

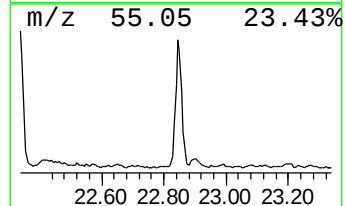
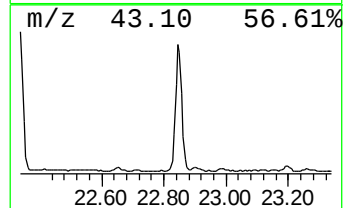
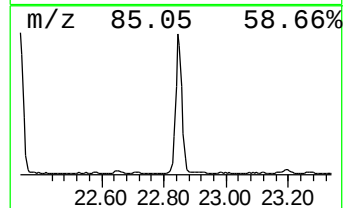
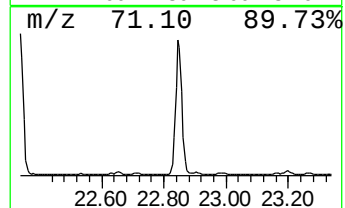
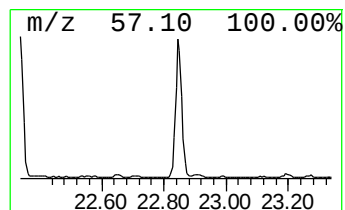
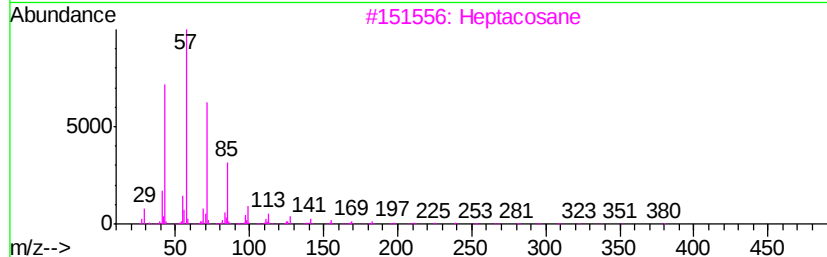
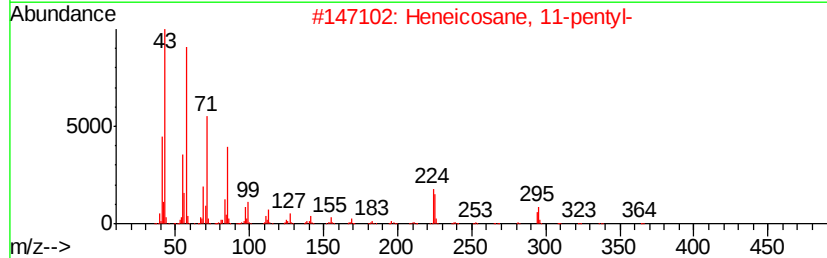
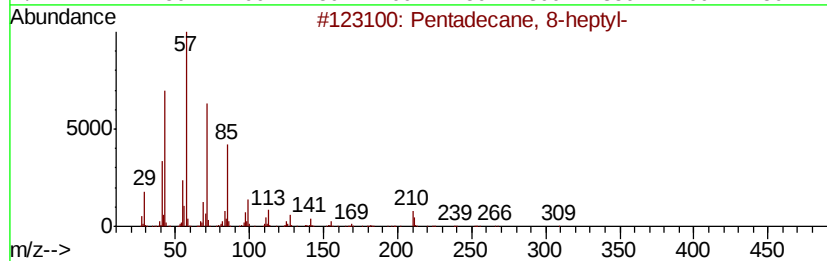
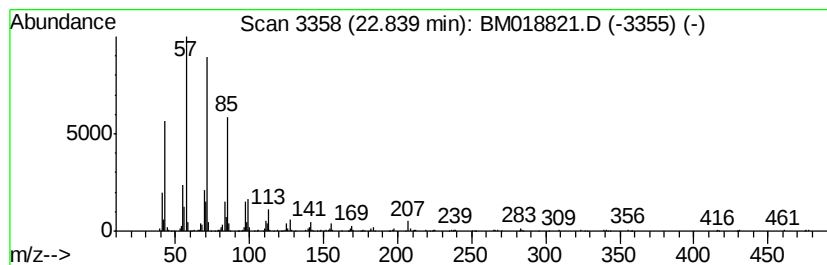
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Pentadecane, 8-heptyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.84	5.74 ng	1216700	Perylene-d12	23.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
2		Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	90
3		Heptacosane	380	C27H56	000593-49-7	87
4		Tridecane, 6-propyl-	226	C16H34	055045-10-8	87
5		2-Thiopheneacetic acid, 4-tetrad...	338	C20H34O2S	1000280-67-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
Data File : BM018821.D
Acq On : 15 Feb 2019 17:42
Operator : JU/SJ
Sample : K1501-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CH-021419

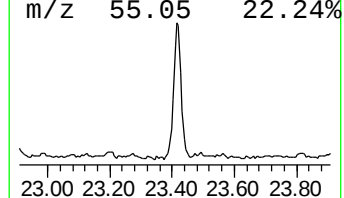
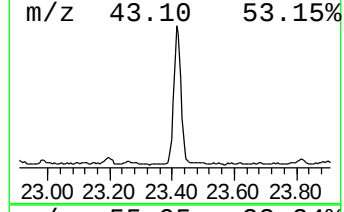
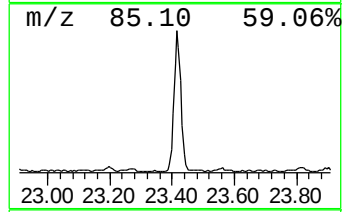
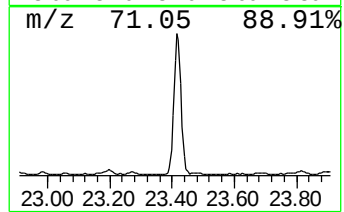
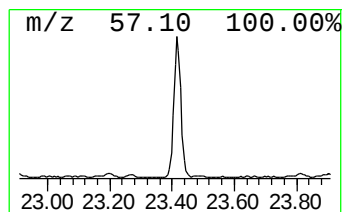
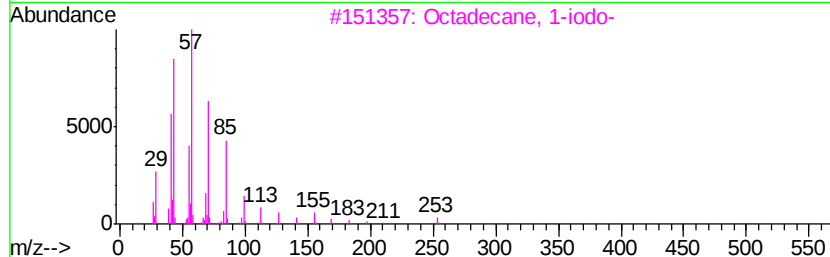
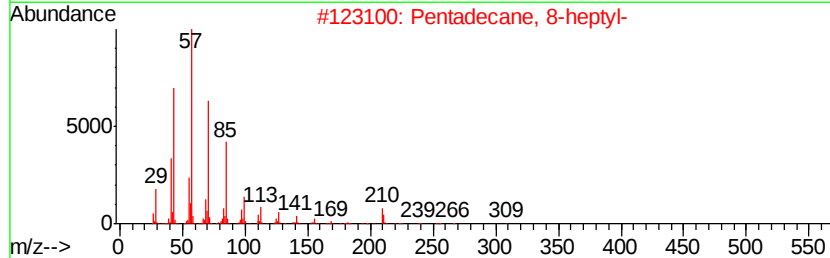
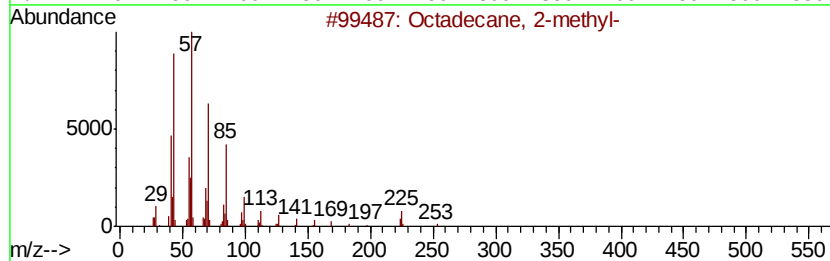
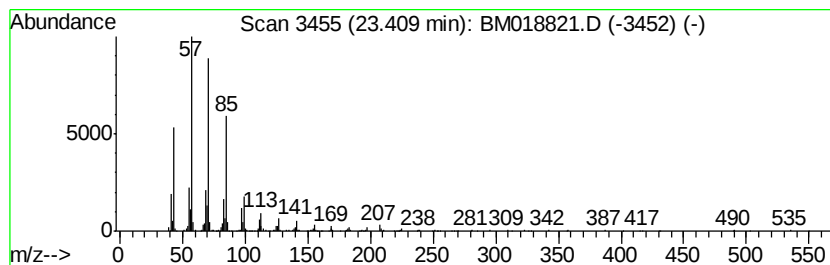
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Octadecane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.41	4.79 ng	1014010	Perylene-d12	23.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
2		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	90
3		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
4		Tridecane, 6-propyl-	226	C16H34	055045-10-8	86
5		Nonadecane	268	C19H40	000629-92-5	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021519\
 Data File : BM018821.D
 Acq On : 15 Feb 2019 17:42
 Operator : JU/SJ
 Sample : K1501-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

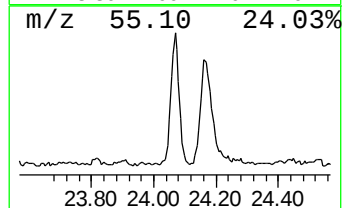
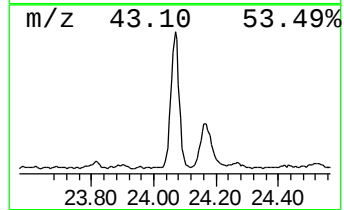
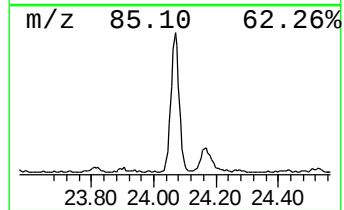
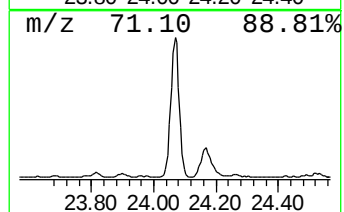
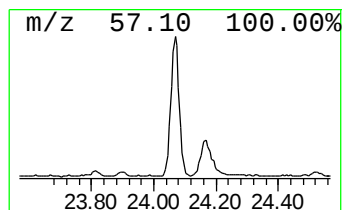
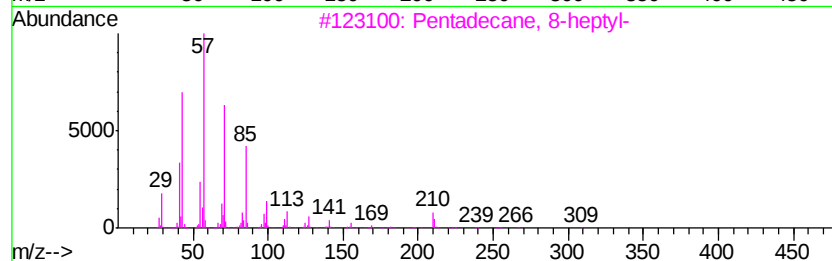
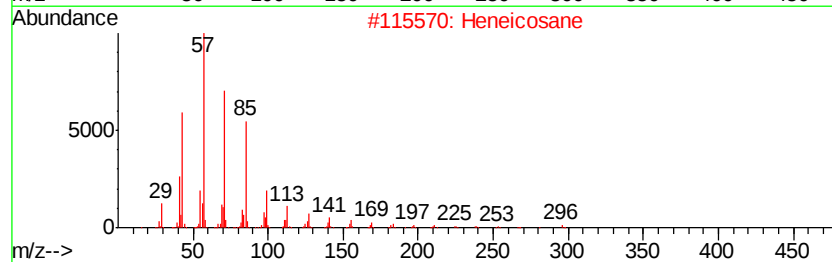
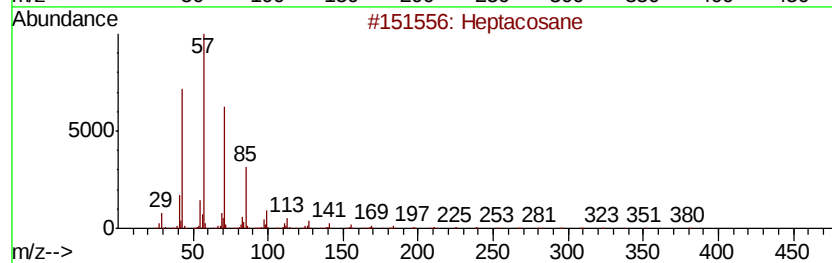
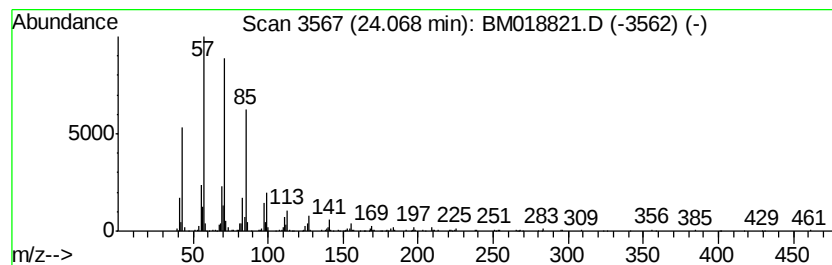
Instrument :
 BNA_M
 ClientSampleId :
 CH-021419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 12 Heptacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.07	4.21 ng	892326	Perylene-d12	23.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptacosane	380 C27H56	000593-49-7	91
2	Heneicosane	296 C21H44	000629-94-7	91
3	Pentadecane, 8-heptyl-	310 C22H46	071005-15-7	91
4	Hexadecane	226 C16H34	000544-76-3	86
5	Docosane	310 C22H46	000629-97-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM021519\
Data File : BM018821.D
Acq On : 15 Feb 2019 17:42
Operator : JU/SJ
Sample : K1501-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CH-021419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.86	5.9 ng		666307	1	7.71	2254960	20.0
unknown7.25	7.25	156.5 ng		17649700	1	7.71	2254960	20.0
n-Hexadecanoic acid	18.00	6.7 ng		1536110	4	17.11	4617980	20.0
Octadecanoic acid	19.28	2.1 ng		527262	5	21.30	5075460	20.0
3-Octadecene, (E)-	21.00	9.0 ng		2273880	5	21.30	5075460	20.0
Eicosane	21.44	2.1 ng		528025	5	21.30	5075460	20.0
Tricosane	21.87	4.0 ng		1008100	5	21.30	5075460	20.0
Hexadecane, 5-butyl-	22.34	4.5 ng		1145990	5	21.30	5075460	20.0
Pentadecane, 8-he...	22.84	5.7 ng		1216700	6	23.56	4238110	20.0
Octadecane, 2-met...	23.41	4.8 ng		1014010	6	23.56	4238110	20.0
Heptacosane	24.07	4.2 ng		892326	6	23.56	4238110	20.0