

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120719\
 Data File : BF118127.D
 Acq On : 7 Dec 2019 14:21
 Operator : JU
 Sample : K6177-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-1

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_F\METHODS\8270-BF120619.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	2.122	3	6	18	rVB	252014	315741	8.33%	1.047%
2	5.075	503	508	519	rVB	383907	456049	12.04%	1.512%
3	5.481	572	577	580	rBV	2539618	2311231	61.01%	7.664%
4	6.492	744	749	752	rBV	2354601	2469122	65.17%	8.188%
5	6.634	769	773	776	rBV	2869697	2639669	69.68%	8.753%
6	6.863	809	812	816	rBV	829761	698382	18.43%	2.316%
7	7.022	835	839	842	rBV	2570549	2069743	54.63%	6.864%
8	7.428	903	908	911	rBV	1706676	1521091	40.15%	5.044%
9	8.151	1027	1031	1047	rBV	1057291	916165	24.18%	3.038%
10	9.233	1210	1215	1218	rBV	3494536	3167832	83.62%	10.505%
11	9.622	1278	1281	1291	rBV	223287	217026	5.73%	0.720%
12	9.916	1327	1331	1334	rBV	1190321	1082684	28.58%	3.590%
13	10.704	1461	1465	1482	rVB	2368243	2111649	55.74%	7.002%
14	11.404	1580	1584	1592	rBV	1363986	1192174	31.47%	3.953%
15	11.927	1669	1673	1682	rBV	150506	166889	4.41%	0.553%
16	12.716	1803	1807	1811	rBV2	37353	44337	1.17%	0.147%
17	12.998	1850	1855	1858	rBV	4395798	3788457	100.00%	12.563%
18	13.563	1946	1951	1954	rBV2	44976	52326	1.38%	0.174%
19	13.886	2002	2006	2018	rBV	533211	635811	16.78%	2.108%
20	14.057	2031	2035	2041	rBV	1111550	1028395	27.15%	3.410%
21	14.215	2057	2062	2069	rBV	149186	160740	4.24%	0.533%
22	14.521	2109	2114	2122	rBV2	266221	327543	8.65%	1.086%
23	14.827	2161	2166	2175	rBV	302315	355268	9.38%	1.178%
24	15.174	2220	2225	2237	rBV	324186	411375	10.86%	1.364%
25	15.545	2282	2288	2304	rBV2	689939	1296627	34.23%	4.300%
26	16.009	2361	2367	2373	rBV	220427	347667	9.18%	1.153%
27	16.062	2373	2376	2385	rVB3	43078	88813	2.34%	0.295%
28	16.533	2449	2456	2463	rBV2	106973	207888	5.49%	0.689%
29	17.133	2554	2558	2567	rVB3	37784	75037	1.98%	0.249%

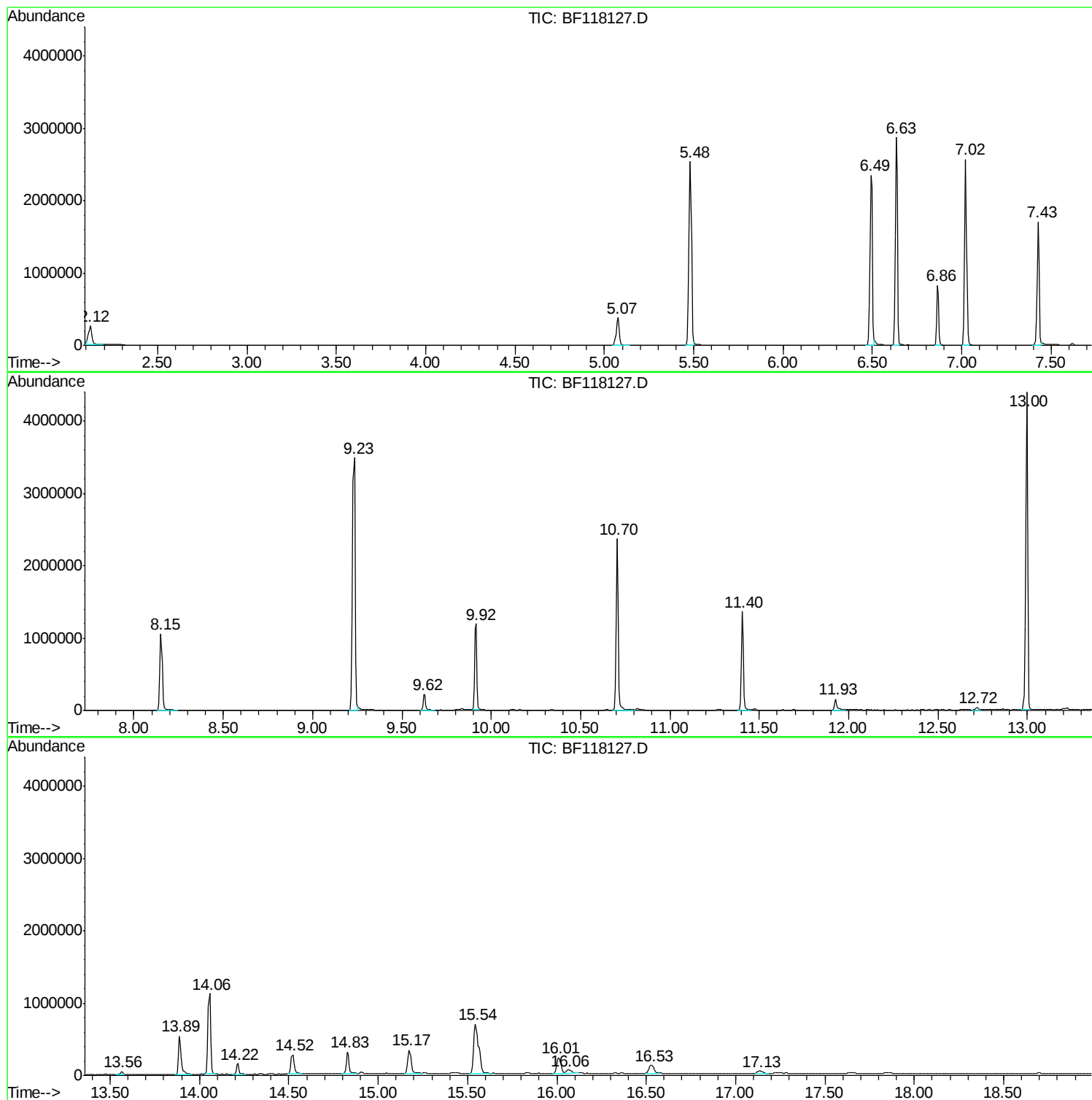
Sum of corrected areas: 30155731

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118127.D
Acq On : 7 Dec 2019 14:21
Operator : JU
Sample : K6177-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.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 F\DATA\BF120719\
Data File : BF118127.D
Acq On : 7 Dec 2019 14:21
Operator : JU
Sample : K6177-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP-1

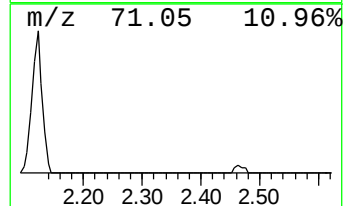
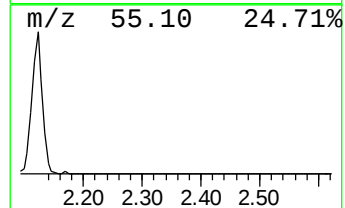
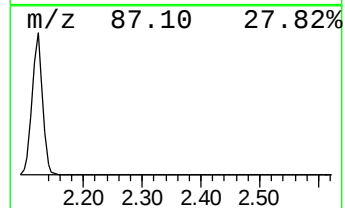
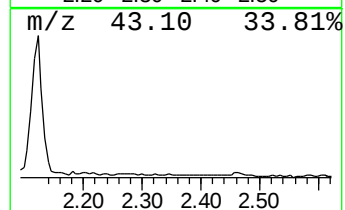
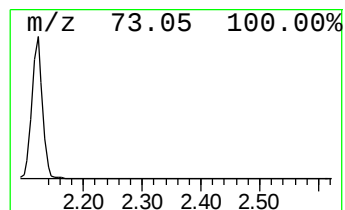
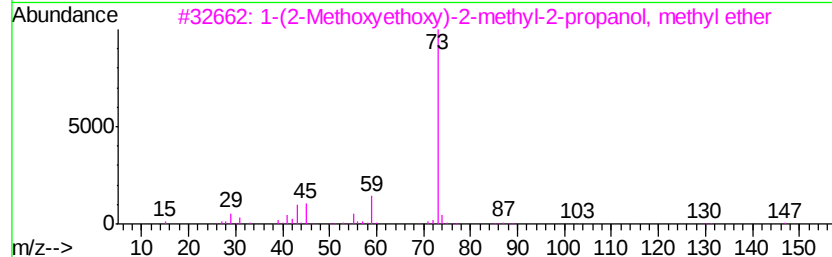
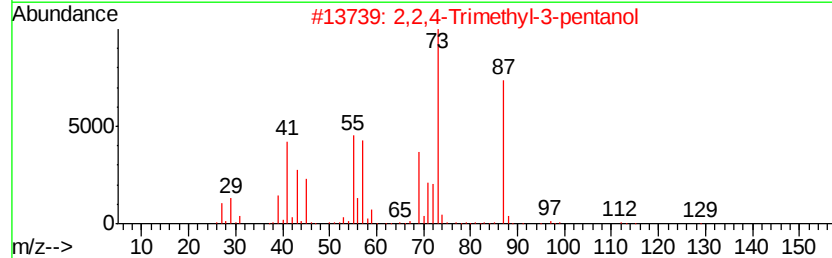
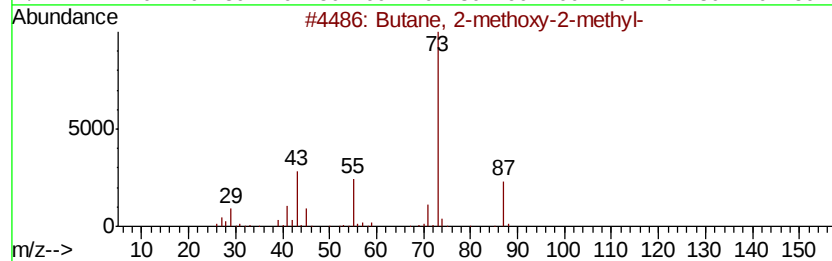
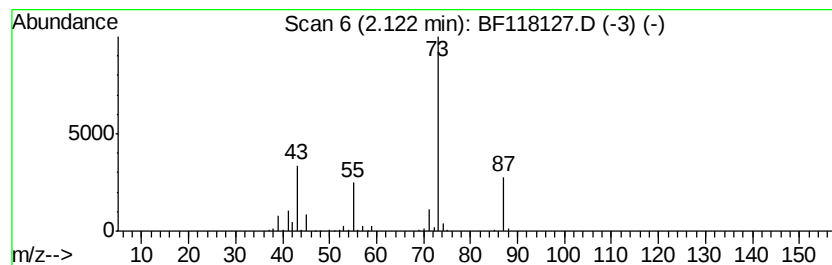
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	9.04 ng	315741	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1-(2-Methoxyethoxy)-2-methyl-2-propanol	162	C8H18O3	1000364-24-4	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	17



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118127.D
Acq On : 7 Dec 2019 14:21
Operator : JU
Sample : K6177-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP-1

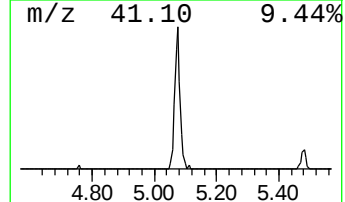
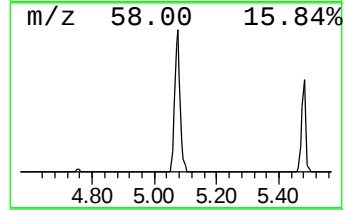
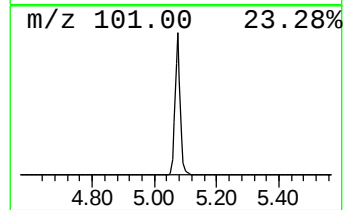
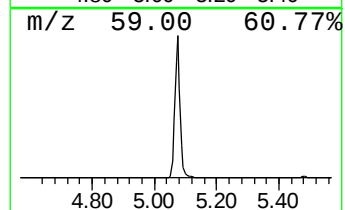
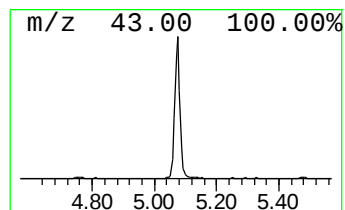
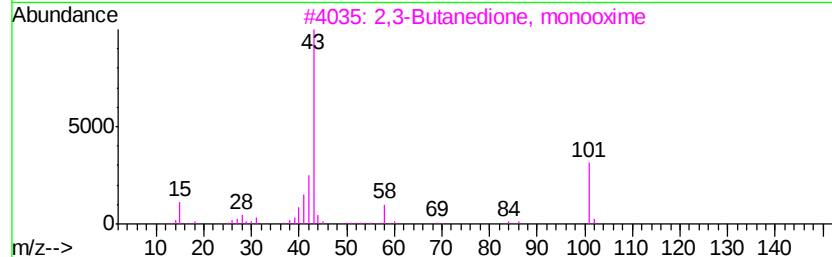
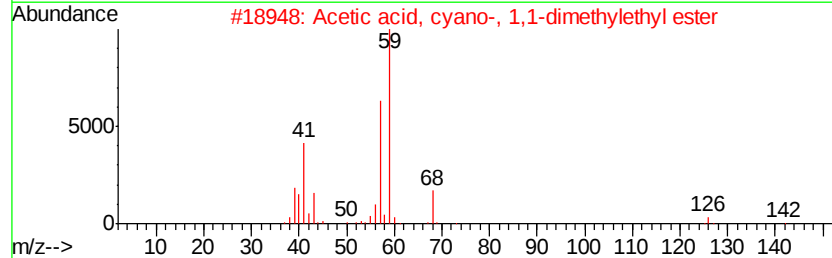
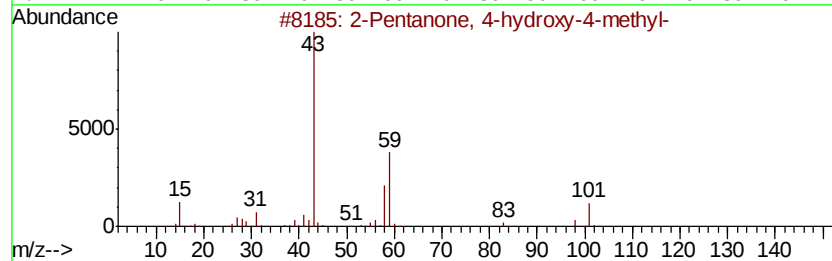
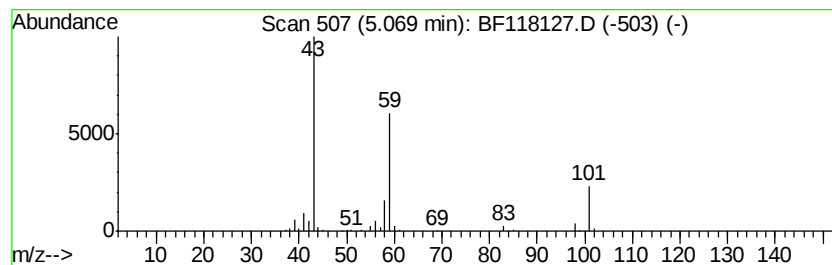
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	13.06 ng	456049	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
3		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118127.D
Acq On : 7 Dec 2019 14:21
Operator : JU
Sample : K6177-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP-1

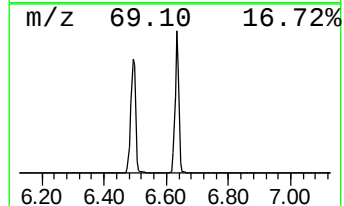
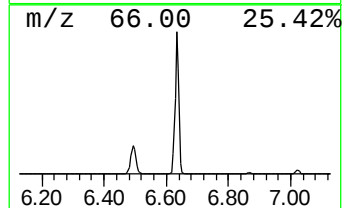
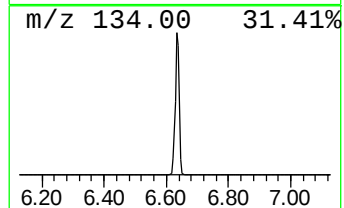
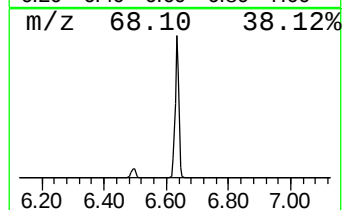
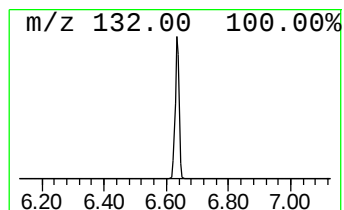
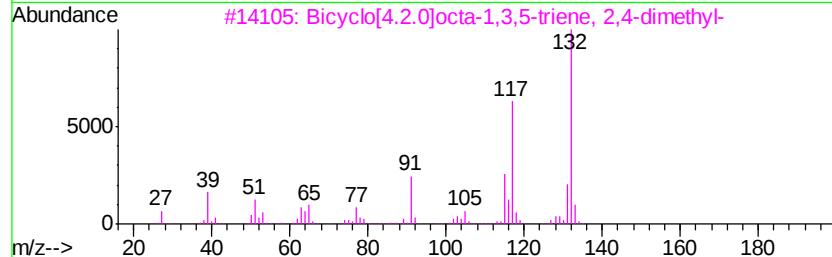
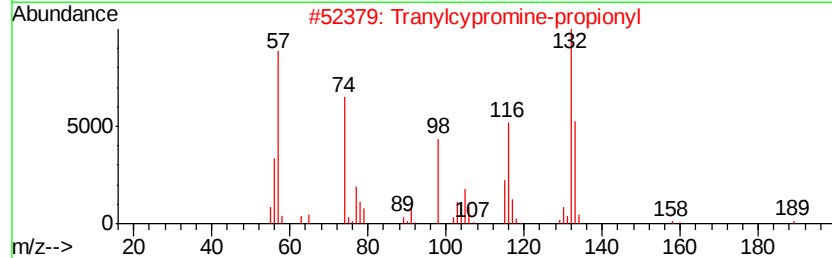
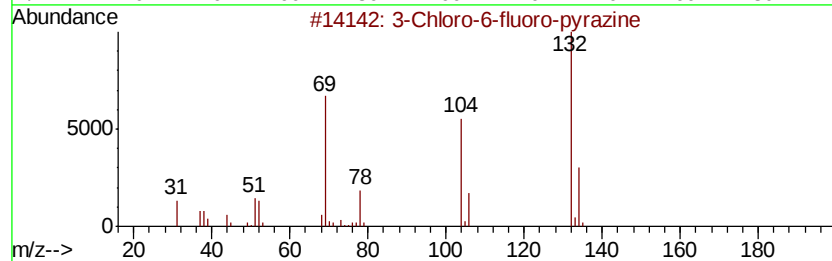
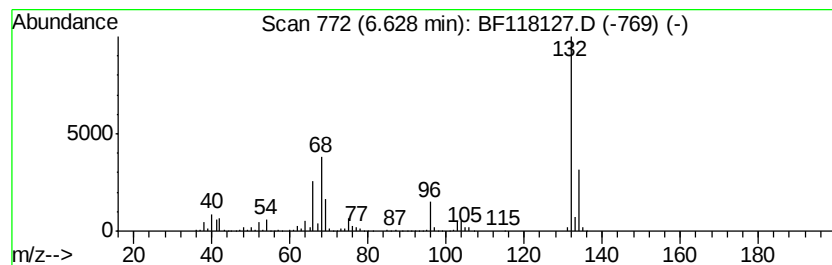
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	75.59 ng	2639670	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16	
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10	
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9	
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9	
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118127.D
Acq On : 7 Dec 2019 14:21
Operator : JU
Sample : K6177-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP-1

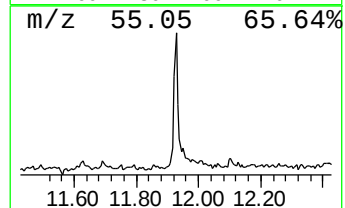
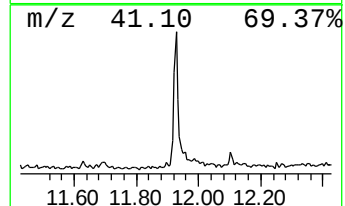
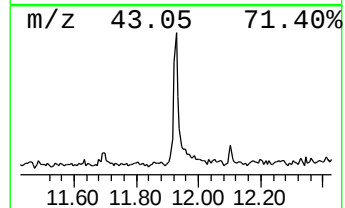
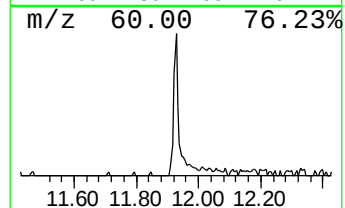
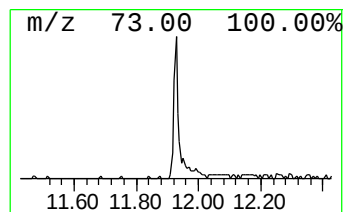
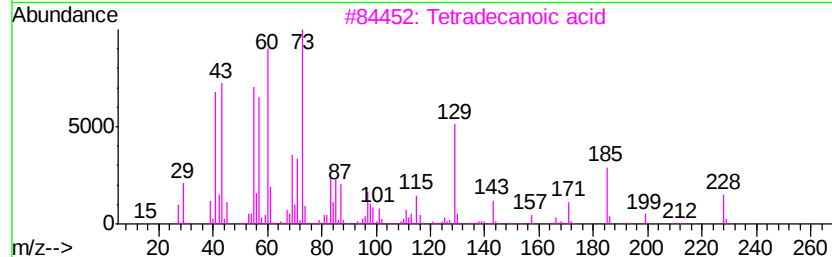
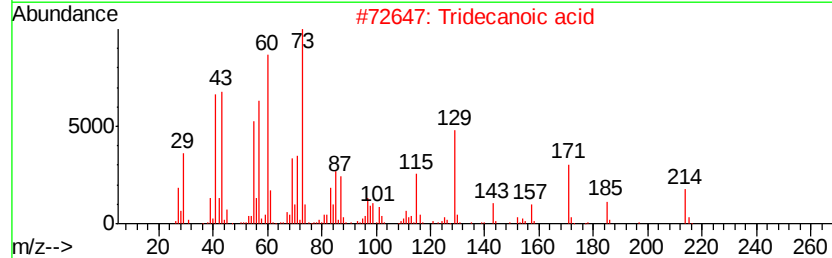
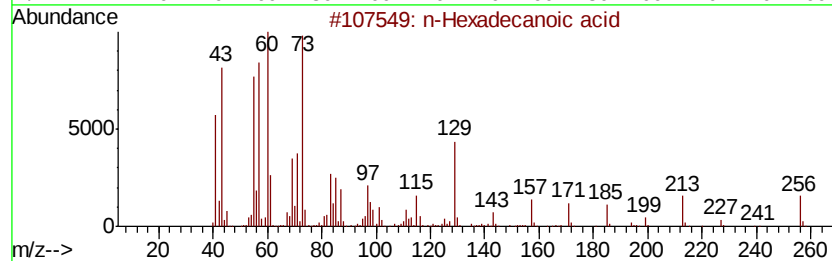
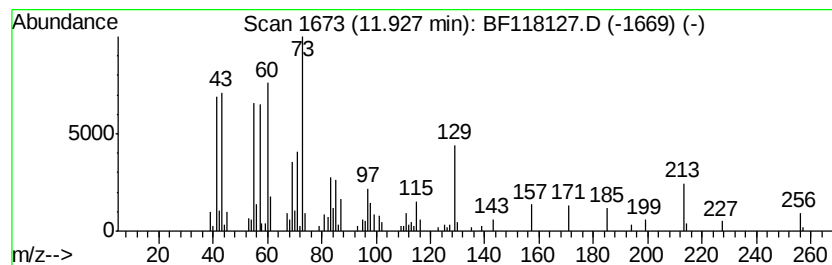
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.80 ng	166889	Phenanthrene-d10	11.40

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	72
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5		Oxalic acid, cyclobutyl hexadecy...	368	C22H40O4	1000309-70-6	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118127.D
Acq On : 7 Dec 2019 14:21
Operator : JU
Sample : K6177-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP-1

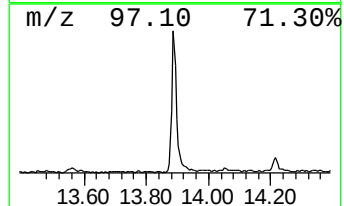
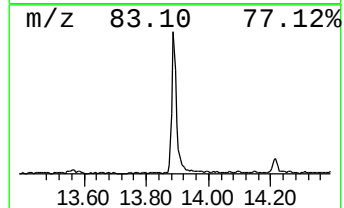
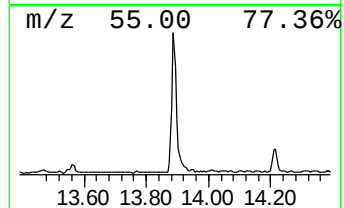
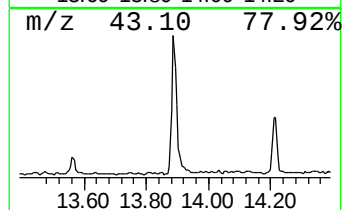
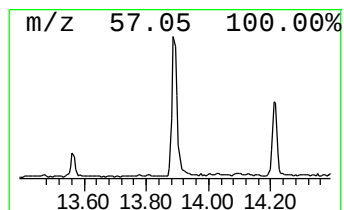
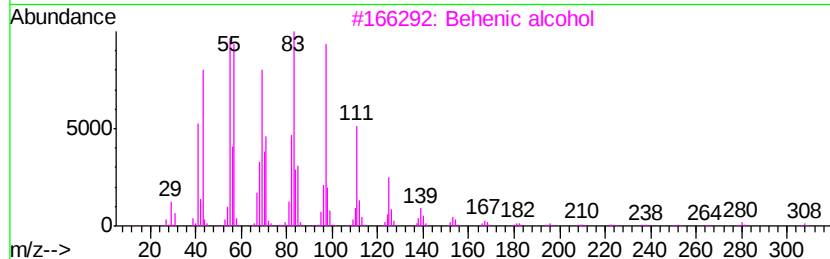
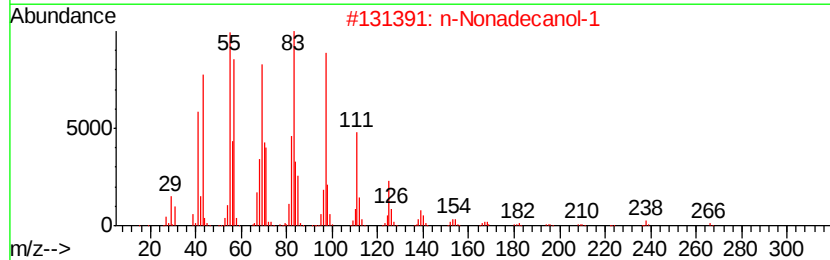
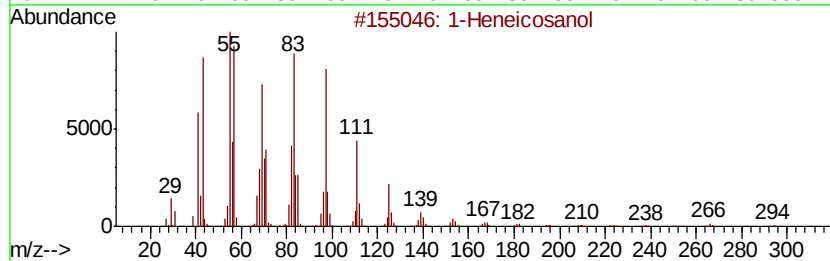
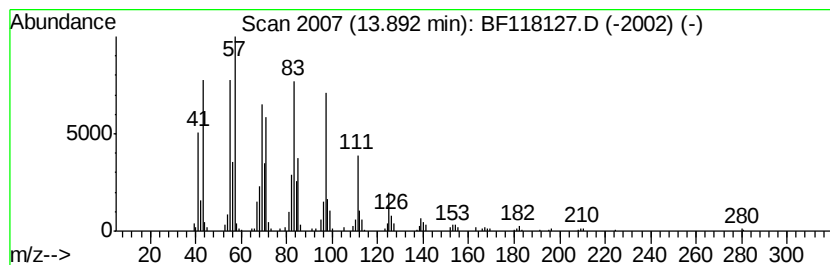
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Heneicosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	12.37 ng	635811	Chrysene-d12	14.06

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heneicosanol	312	C21H44O	015594-90-8	95
2		n-Nonadecanol-1	284	C19H40O	001454-84-8	95
3		Behenic alcohol	326	C22H46O	000661-19-8	94
4		Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	93
5		Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118127.D
Acq On : 7 Dec 2019 14:21
Operator : JU
Sample : K6177-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

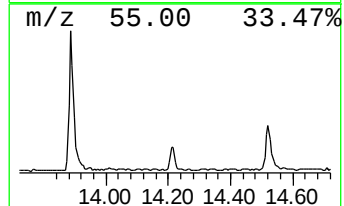
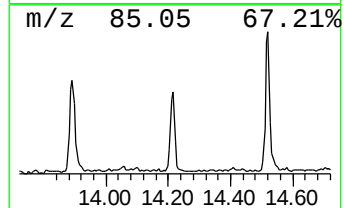
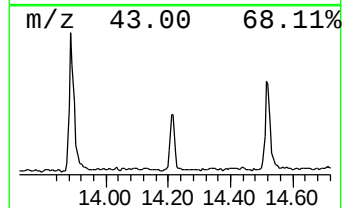
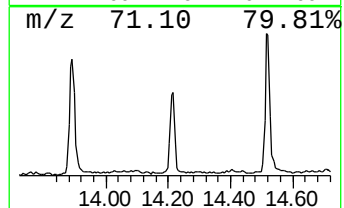
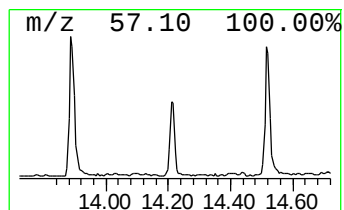
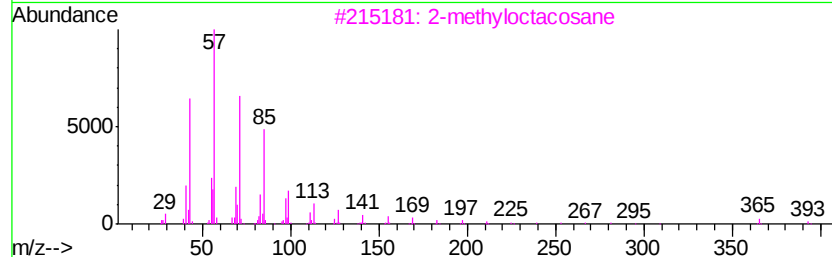
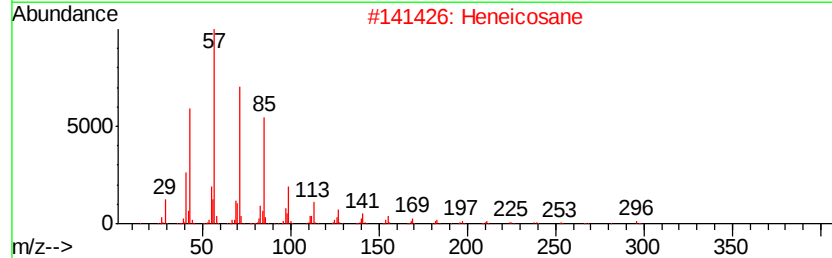
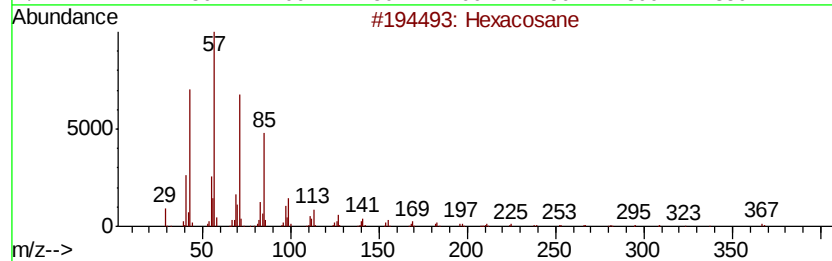
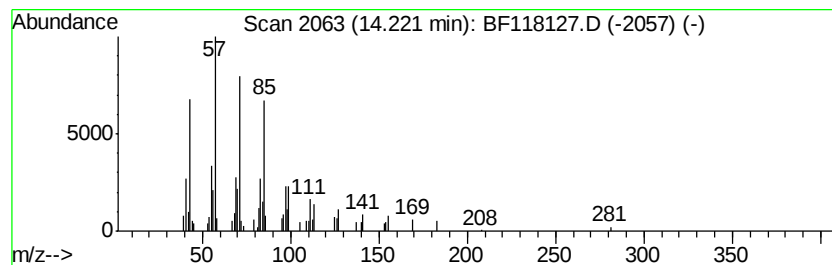
Instrument :
BNA_F
ClientSampleId :
EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	3.13 ng	160740	Chrysene-d12	14.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexacosane	366 C26H54	000630-01-3	91
2	Heneicosane	296 C21H44	000629-94-7	91
3	2-methyloctacosane	408 C29H60	1000376-72-8	91
4	Pentadecane, 8-hexyl-	296 C21H44	013475-75-7	91
5	Heptacosane	380 C27H56	000593-49-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118127.D
Acq On : 7 Dec 2019 14:21
Operator : JU
Sample : K6177-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP-1

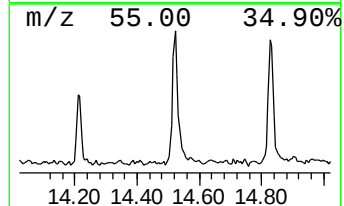
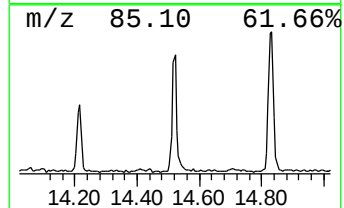
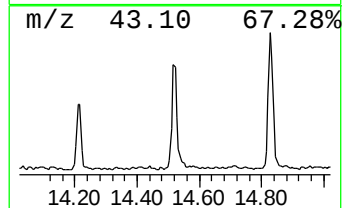
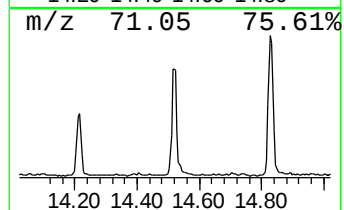
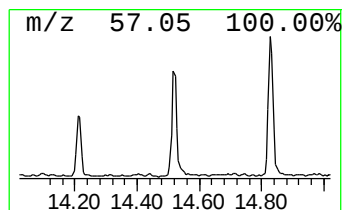
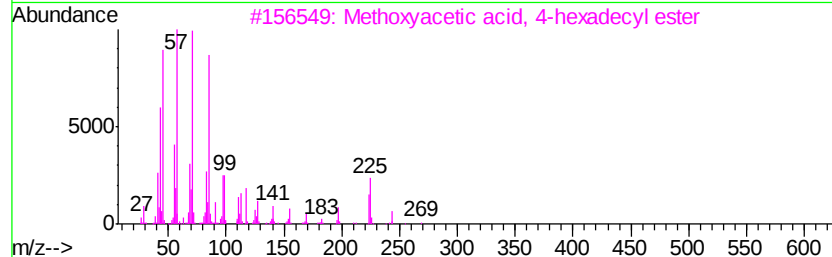
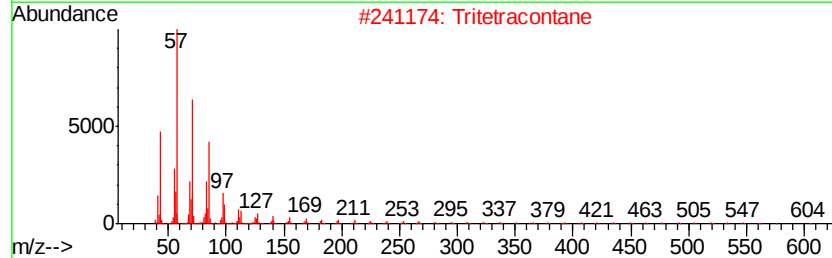
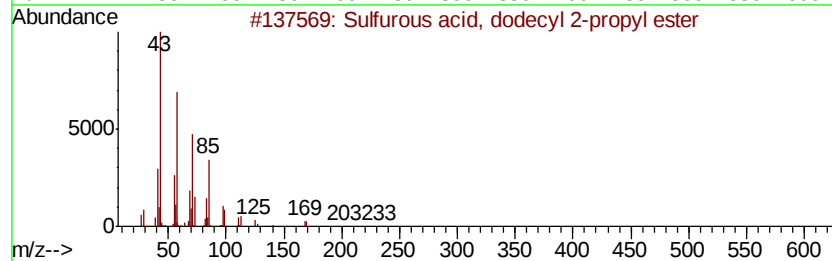
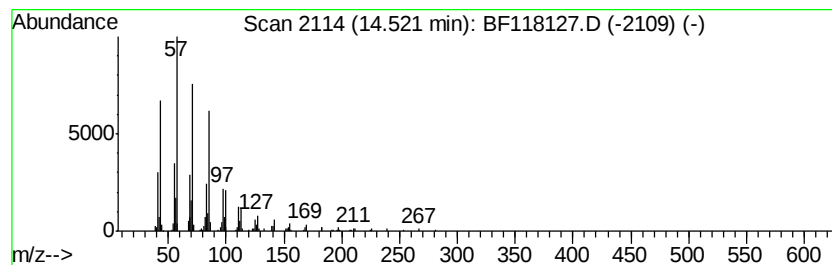
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Sulfurous acid, dodecyl 2-p... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	6.37 ng	327543	Chrysene-d12	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	91
2		Tritetracontane	605	C43H88	007098-21-7	90
3		Methoxyacetic acid, 4-hexadecyl ...	314	C19H38O3	1000282-99-0	90
4		Sulfurous acid, 2-propyl tridecyl...	306	C16H34O3S	1000309-12-4	90
5		Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118127.D
Acq On : 7 Dec 2019 14:21
Operator : JU
Sample : K6177-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP-1

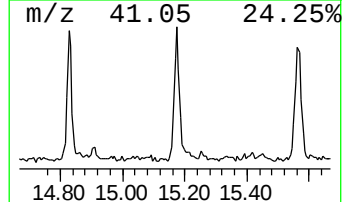
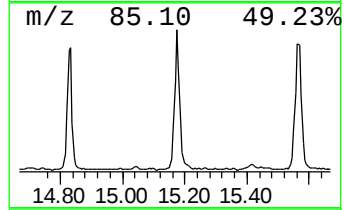
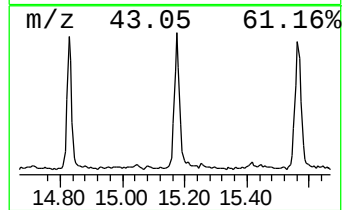
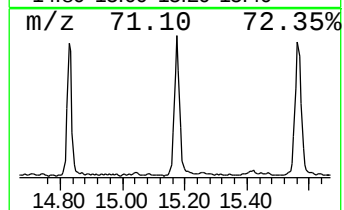
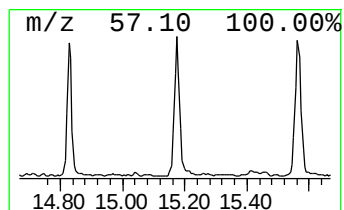
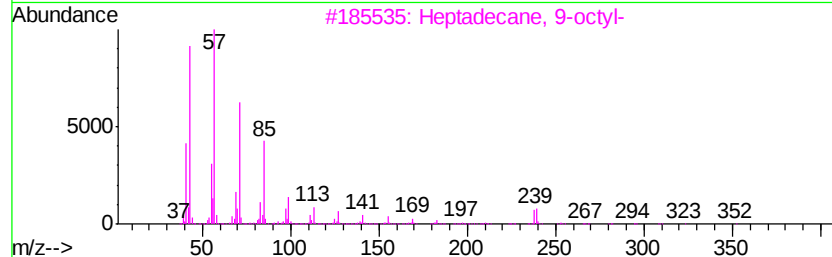
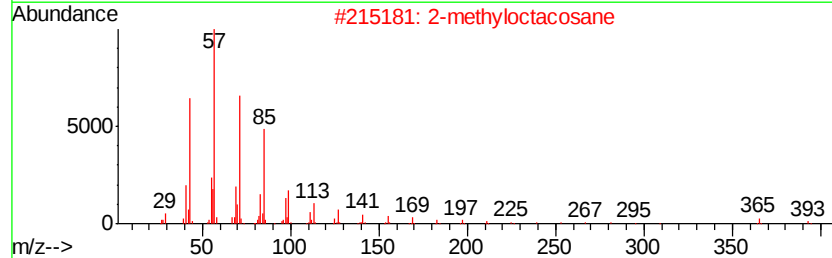
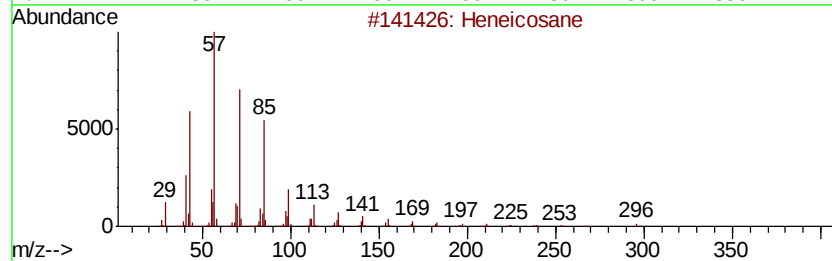
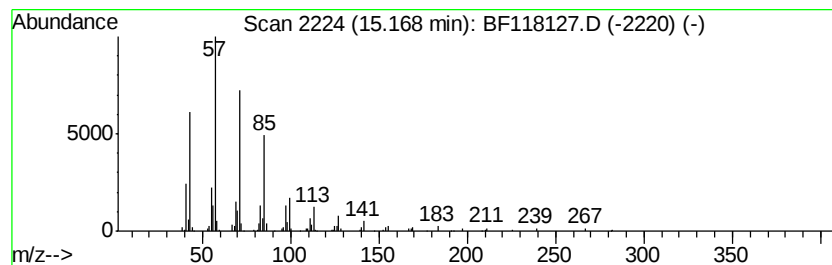
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 2-methyloctacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	6.35 ng	411375	Perylene-d12	15.54

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heneicosane	296	C21H44	000629-94-7	91
2		2-methyloctacosane	408	C29H60	1000376-72-8	91
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4		Octadecane	254	C18H38	000593-45-3	90
5		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118127.D
Acq On : 7 Dec 2019 14:21
Operator : JU
Sample : K6177-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP-1

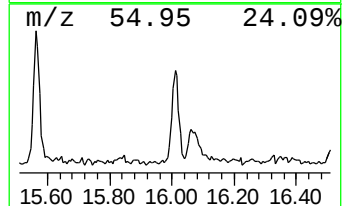
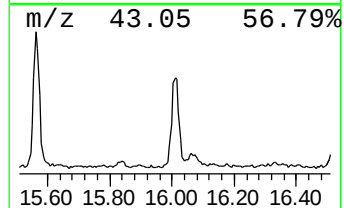
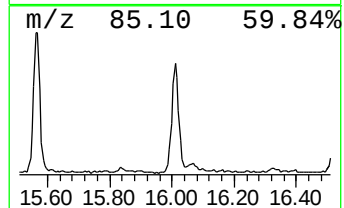
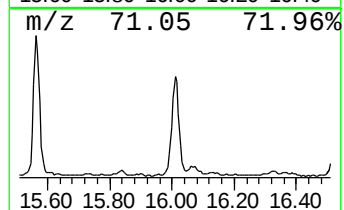
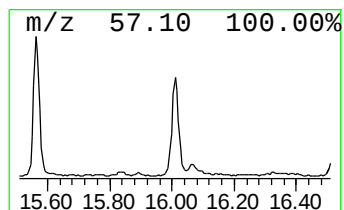
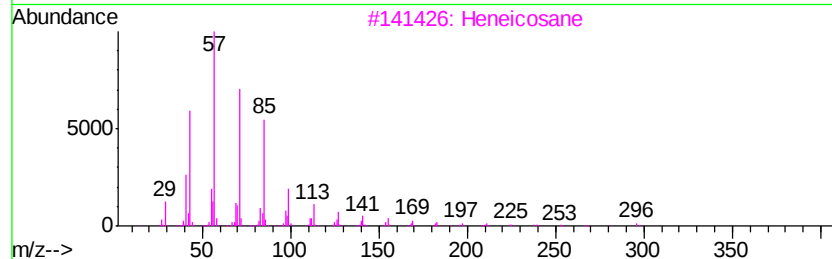
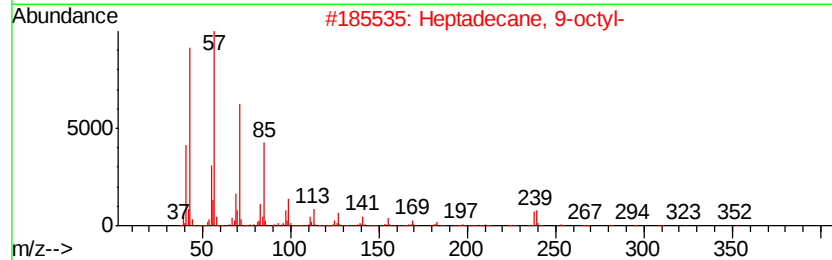
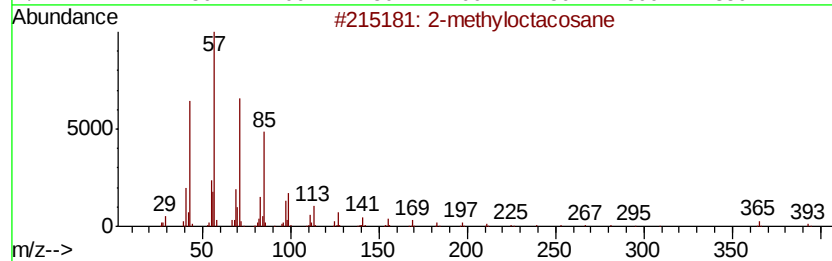
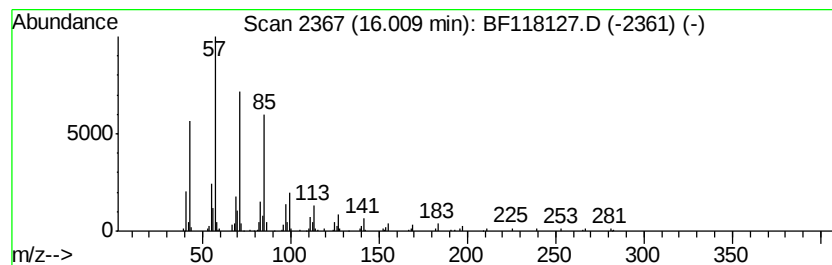
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heptadecane, 9-octyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	5.36 ng	347667	Perylene-d12	15.54

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-methyloctacosane	408	C29H60	1000376-72-8	91
2			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3			Heneicosane	296	C21H44	000629-94-7	90
4			Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	87
5			Hexacosane	366	C26H54	000630-01-3	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
 Data File : BF118127.D
 Acq On : 7 Dec 2019 14:21
 Operator : JU
 Sample : K6177-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-1

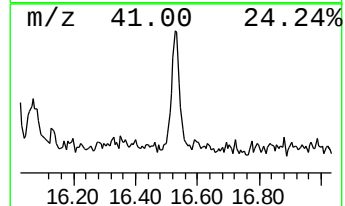
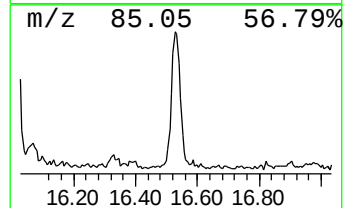
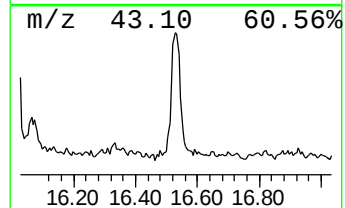
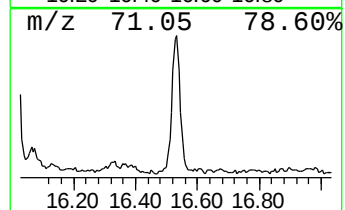
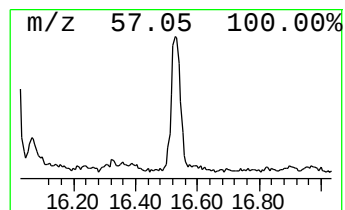
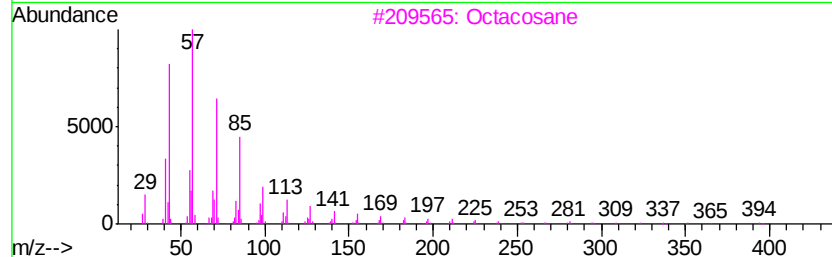
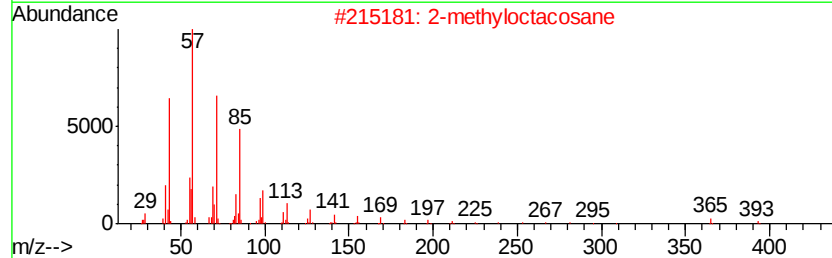
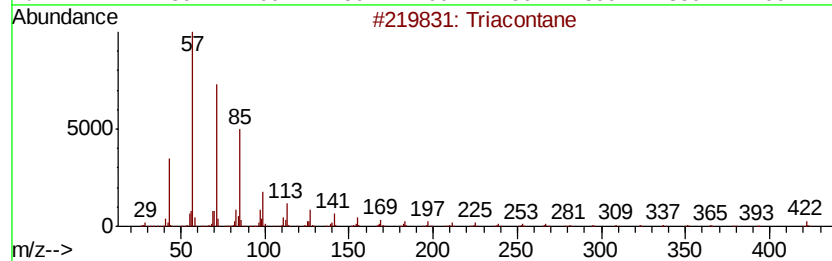
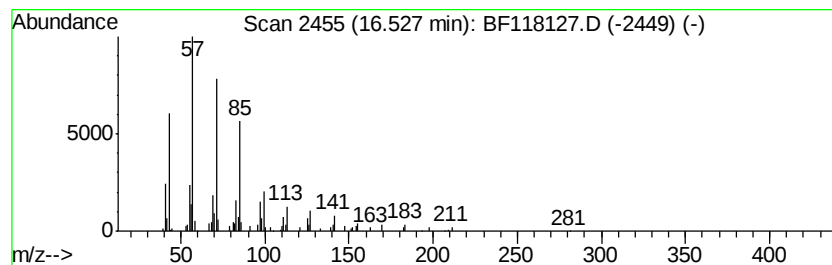
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 12 Hexadecane, 1-iodo- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	3.21 ng	207888	Perylene-d12	15.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triaccontane	422	C30H62	000638-68-6	91
2		2-methyloctacosane	408	C29H60	1000376-72-8	91
3		Octacosane	394	C28H58	000630-02-4	91
4		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	90
5		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120719\
Data File : BF118127.D
Acq On : 7 Dec 2019 14:21
Operator : JU
Sample : K6177-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120619.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
Butane, 2-methoxy...	2.12	9.0	ng	315741	1	6.86	698382	20.0
2-Pentanone, 4-hy...	5.07	13.1	ng	456049	1	6.86	698382	20.0
unknown6.63	6.63	75.6	ng	2639670	1	6.86	698382	20.0
n-Hexadecanoic acid	11.93	2.8	ng	166889	4	11.40	1192170	20.0
1-Heneicosanol	13.89	12.4	ng	635811	5	14.06	1028400	20.0
Hexacosane	14.22	3.1	ng	160740	5	14.06	1028400	20.0
Sulfurous acid, d...	14.52	6.4	ng	327543	5	14.06	1028400	20.0
2-methyloctacosane	15.17	6.3	ng	411375	6	15.54	1296630	20.0
Heptadecane, 9-oc...	16.01	5.4	ng	347667	6	15.54	1296630	20.0
Hexadecane, 1-iodo-	16.53	3.2	ng	207888	6	15.54	1296630	20.0