

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
 Data File : BF109273.D
 Acq On : 24 Sep 2018 17:45
 Operator : JU/SJ
 Sample : J4770-09 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-092118-E

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-BF092218.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	5.310	544	548	559	rVB	812192	696767	12.35%	3.007%
2	6.340	719	723	726	rBV	940518	719851	12.76%	3.107%
3	6.475	742	746	749	rBV	943398	747024	13.25%	3.224%
4	6.710	782	786	789	rBV	761228	618116	10.96%	2.668%
5	6.863	809	812	816	rVB	753041	583264	10.34%	2.517%
6	7.263	876	880	883	rBV	550017	431901	7.66%	1.864%
7	7.992	1000	1004	1007	rBV	879622	797273	14.14%	3.441%
8	9.063	1183	1186	1189	rBV	1034347	763953	13.55%	3.297%
9	9.157	1197	1202	1205	rBV	84527	84158	1.49%	0.363%
10	9.457	1250	1253	1256	rBV	229813	195163	3.46%	0.842%
11	9.686	1289	1292	1295	rBV	116550	83384	1.48%	0.360%
12	9.739	1296	1301	1305	rBV	998397	820189	14.54%	3.540%
13	10.180	1373	1376	1379	rVB	110814	98105	1.74%	0.423%
14	10.522	1430	1434	1438	rVB	511491	431909	7.66%	1.864%
15	10.657	1454	1457	1464	rBV	131373	168096	2.98%	0.725%
16	11.098	1529	1532	1535	rBV	129615	109204	1.94%	0.471%
17	11.216	1548	1552	1555	rBV	968200	772354	13.69%	3.333%
18	11.527	1601	1605	1607	rBV	119556	102401	1.82%	0.442%
19	11.622	1618	1621	1625	rVB	1784045	1478022	26.21%	6.379%
20	11.757	1640	1644	1647	rBV2	62357	65325	1.16%	0.282%
21	11.933	1668	1674	1681	rBV	98011	116227	2.06%	0.502%
22	12.310	1733	1738	1740	rBV	4947039	5639829	100.00%	24.339%
23	12.333	1740	1742	1748	rVV2	4471893	3992459	70.79%	17.230%
24	12.416	1752	1756	1759	rBV2	896718	835255	14.81%	3.605%
25	12.645	1791	1795	1799	rBV	200541	193480	3.43%	0.835%
26	12.686	1799	1802	1806	rBV	71034	63309	1.12%	0.273%
27	12.798	1817	1821	1824	rBV	834876	711477	12.62%	3.070%
28	12.969	1847	1850	1852	rBV	178387	175130	3.11%	0.756%
29	13.045	1860	1863	1868	rBV3	111090	158915	2.82%	0.686%
30	13.133	1875	1878	1881	rVB	127797	101367	1.80%	0.437%
31	13.710	1974	1976	1980	rVB	62571	63932	1.13%	0.276%
32	13.798	1989	1991	1994	rBV	89743	80965	1.44%	0.349%
33	13.839	1994	1998	2001	rBV	816983	810165	14.37%	3.496%
34	15.245	2233	2237	2241	rBV	420253	462550	8.20%	1.996%

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JC-02-092118-E

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_F\METHODS\8270-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

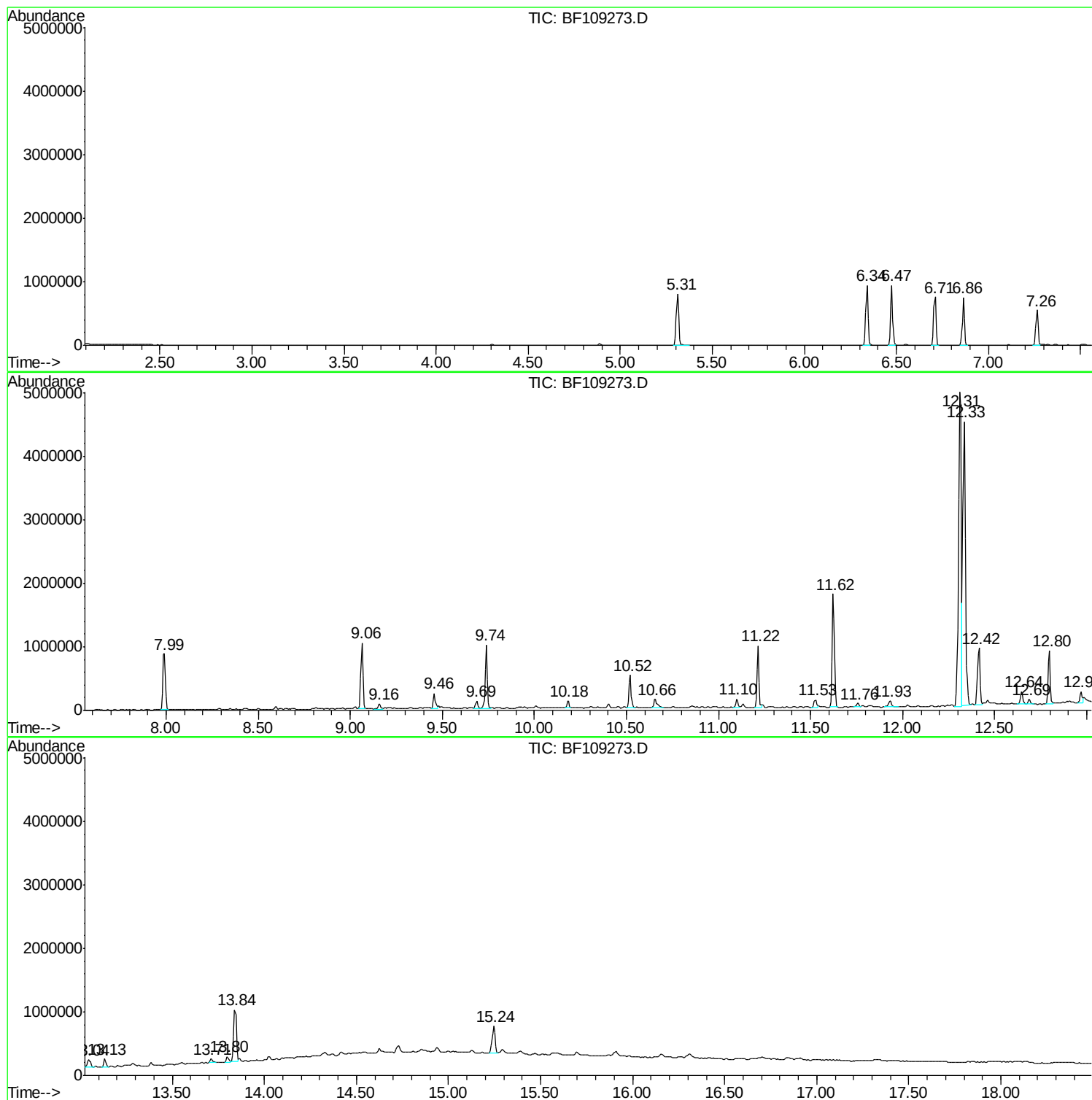
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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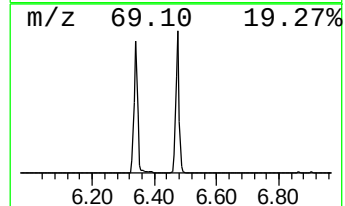
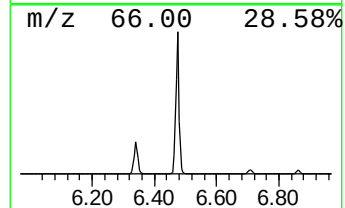
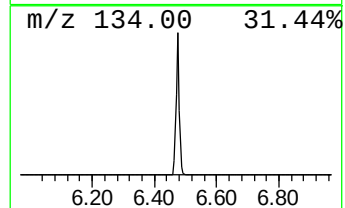
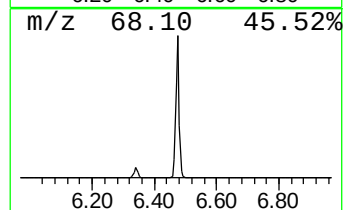
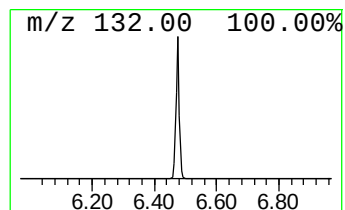
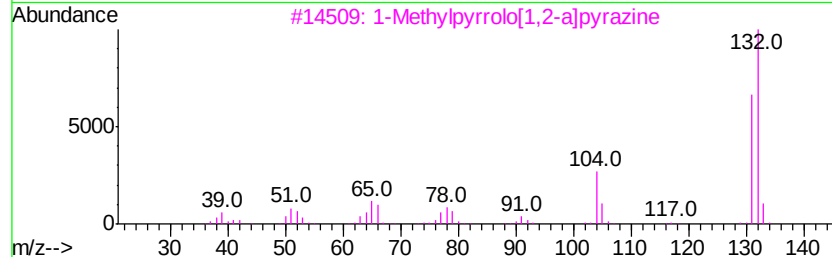
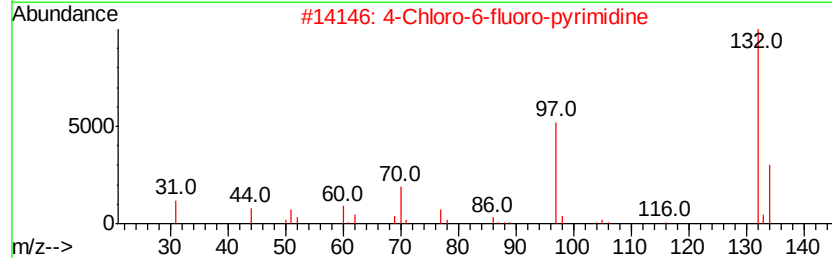
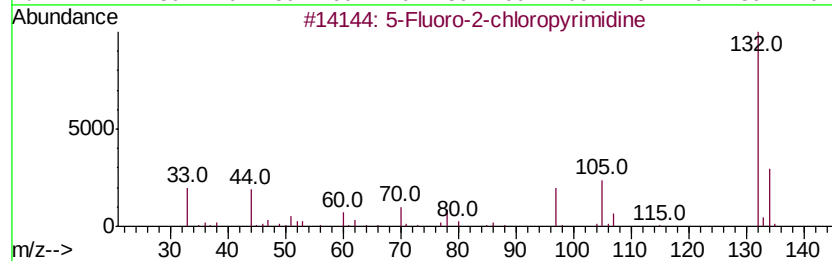
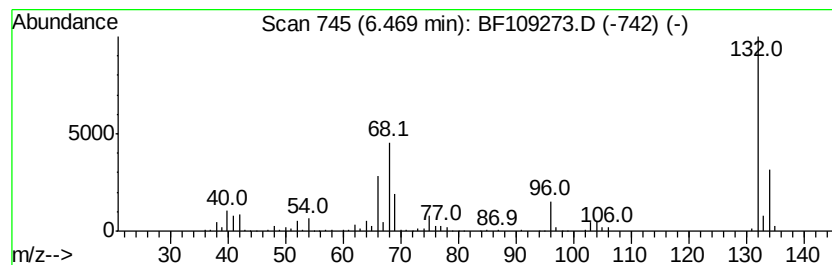
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 5-Fluoro-2-chloropyrimidine Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	24.17 ng	747024	1,4-Dichlorobenzene-d4	6.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
3		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9



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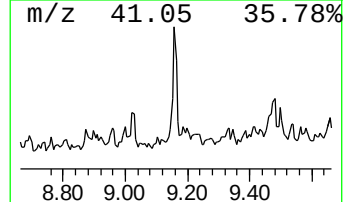
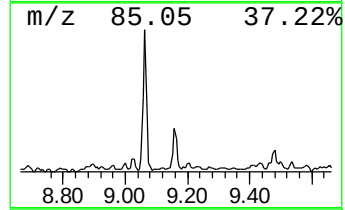
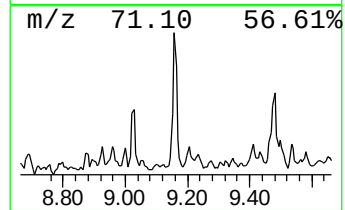
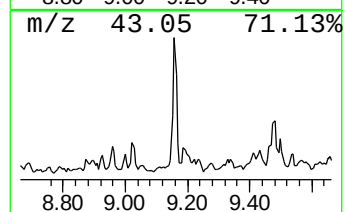
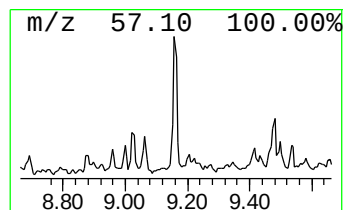
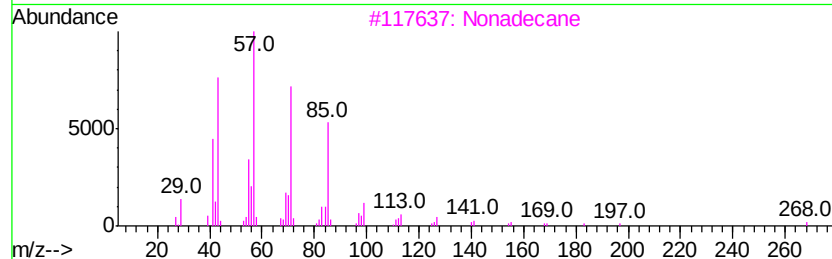
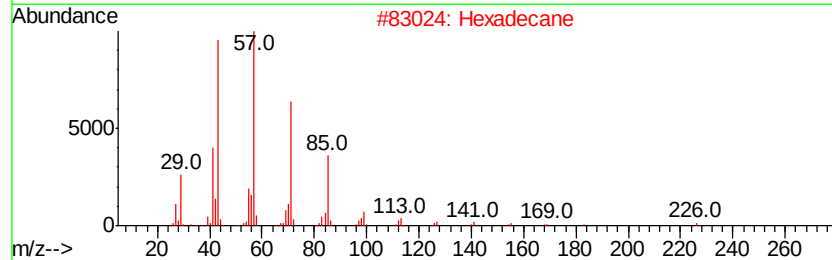
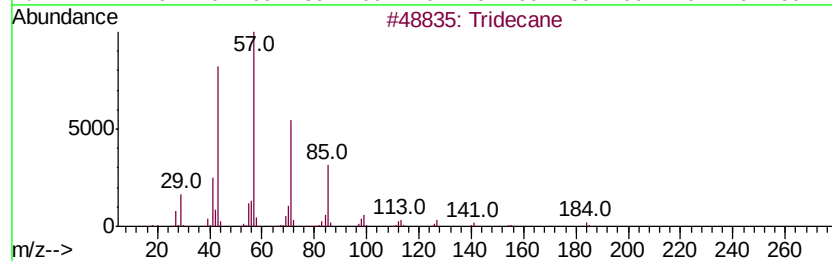
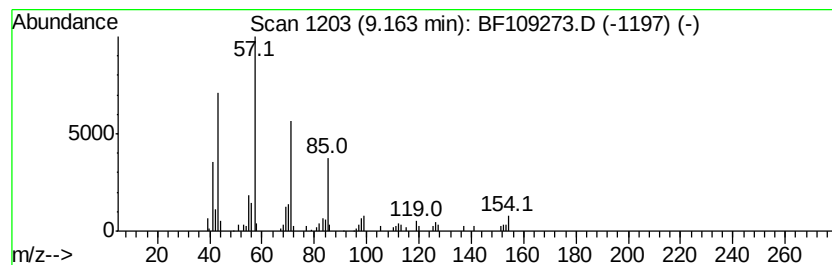
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Tridecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	2.05 ng	84158	Acenaphthene-d10	9.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	86
2		Hexadecane	226	C16H34	000544-76-3	83
3		Nonadecane	268	C19H40	000629-92-5	80
4		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	80
5		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	80



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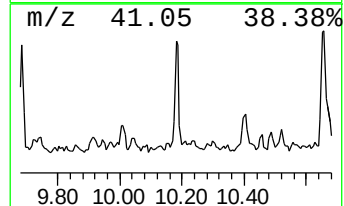
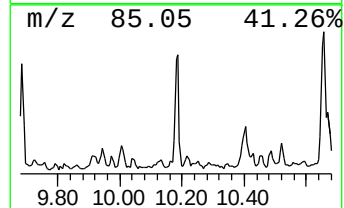
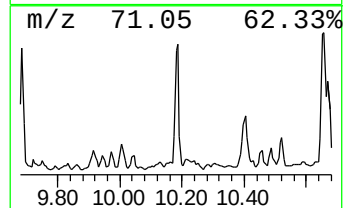
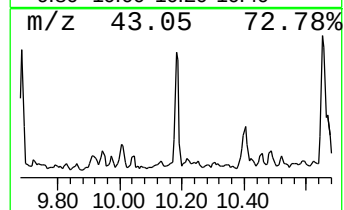
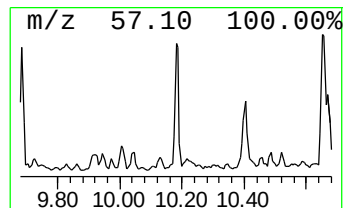
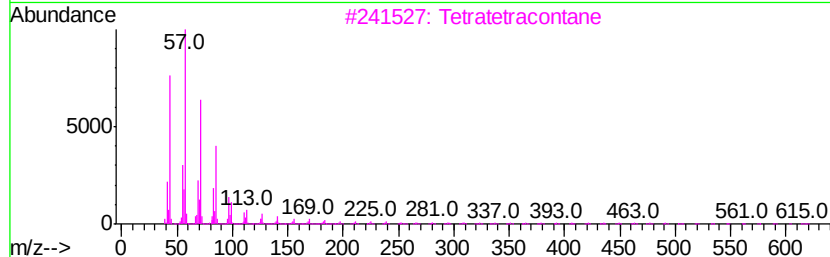
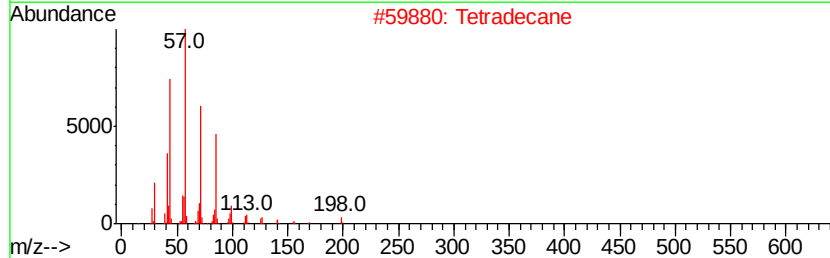
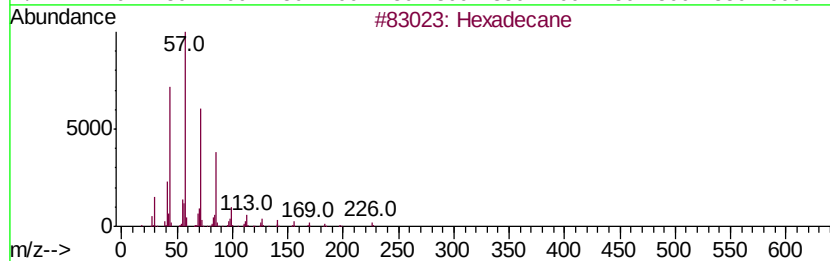
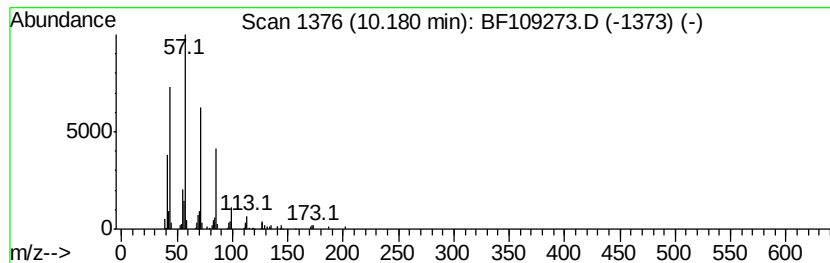
Instrument :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.18	2.39 ng	98105	Acenaphthene-d10		9.74
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Tetratetracontane	619	C44H90	007098-22-8	90
4	Pentadecane	212	C15H32	000629-62-9	90
5	Heptadecane	240	C17H36	000629-78-7	90



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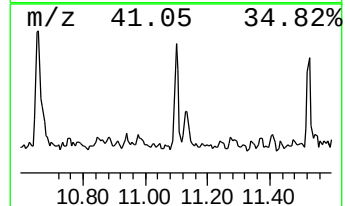
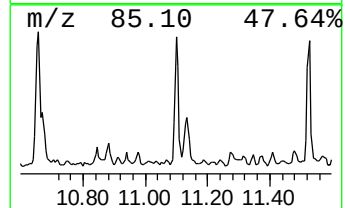
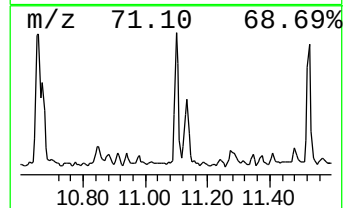
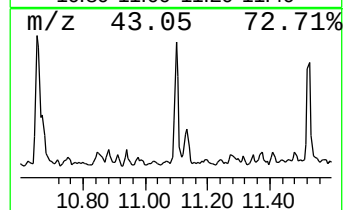
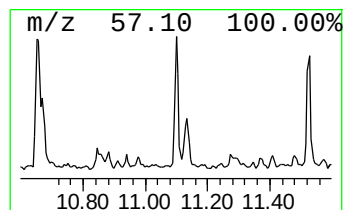
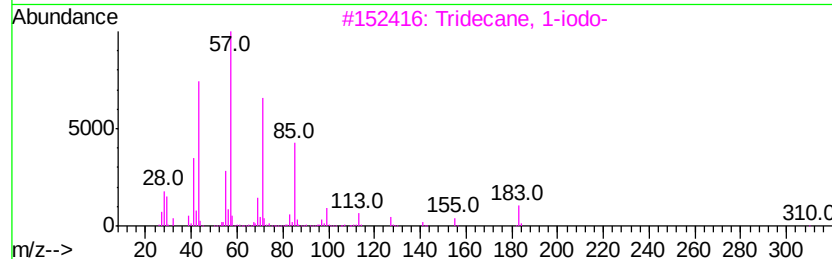
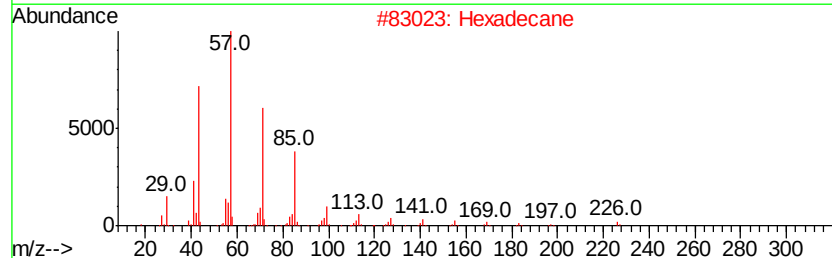
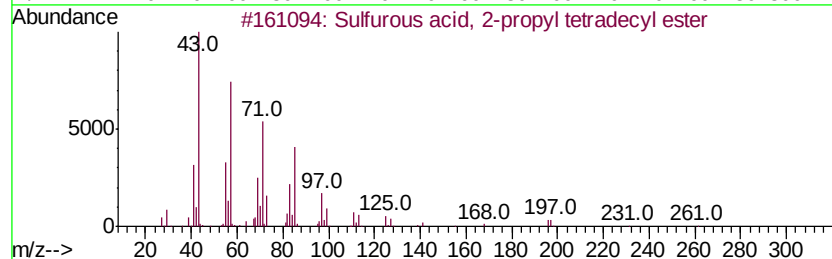
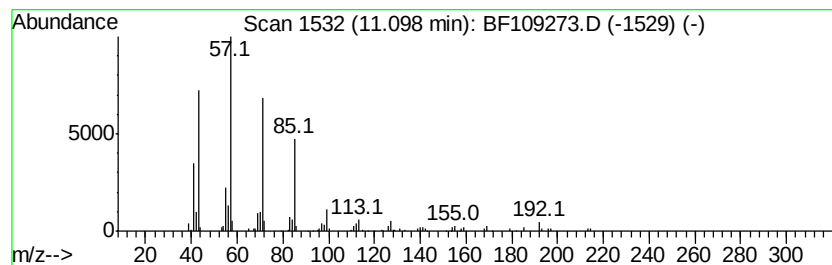
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Sulfurous acid, 2-propyl te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.10	2.83 ng	109204	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1000309-12-5	86
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
4	Pentadecane	212	C15H32	000629-62-9	80
5	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	80



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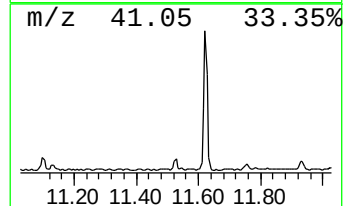
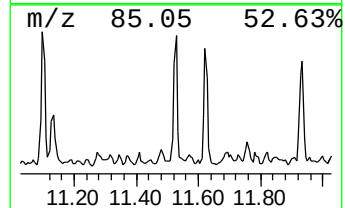
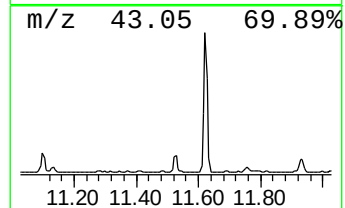
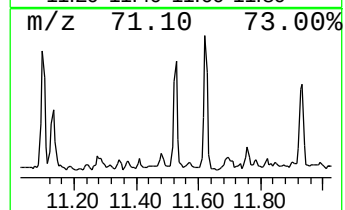
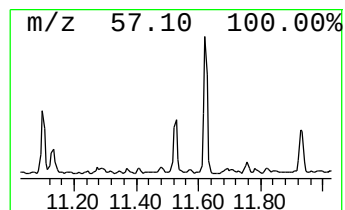
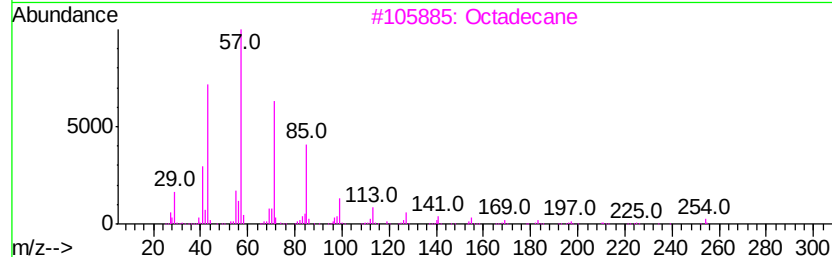
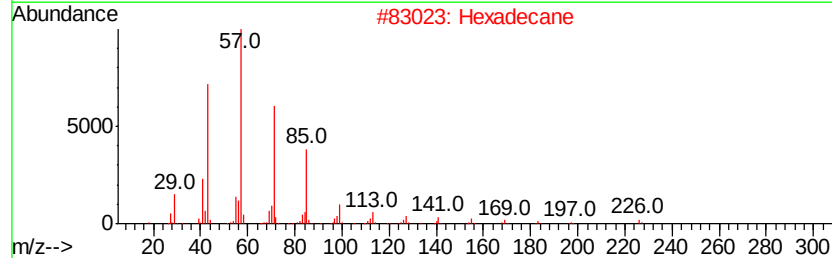
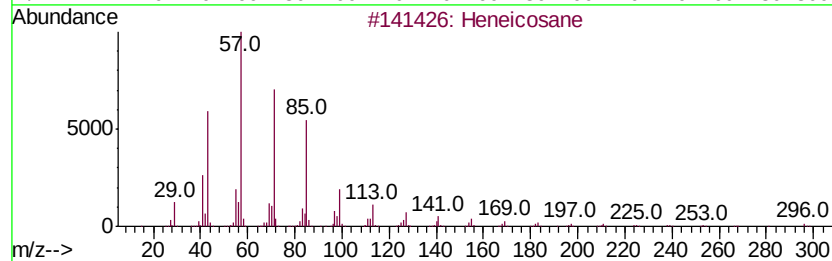
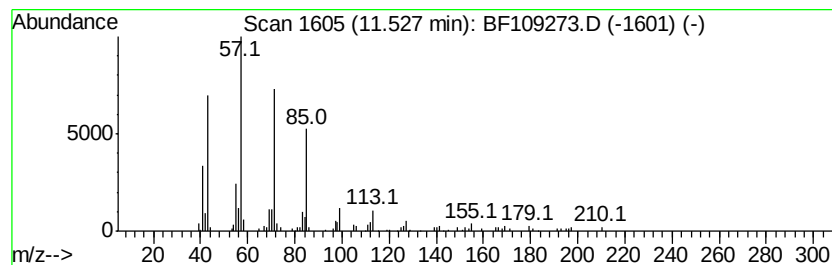
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Heneicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	2.65 ng	102401	Phenanthrene-d10	11.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	90
2	Hexadecane		226	C16H34	000544-76-3	90
3	Octadecane		254	C18H38	000593-45-3	87
4	Octacosane		394	C28H58	000630-02-4	86
5	Heptacosane, 1-chloro-		414	C27H55Cl	062016-79-9	86



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ALS Vial : 20 Sample Multiplier: 1

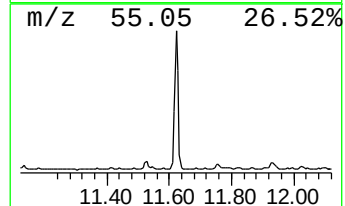
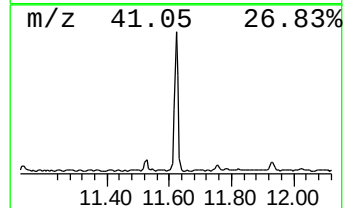
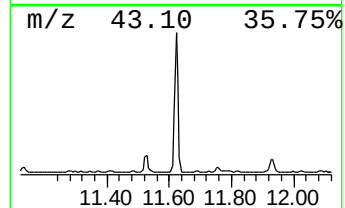
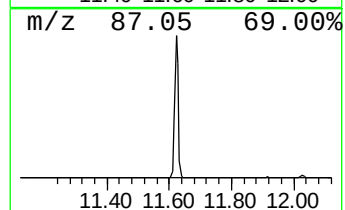
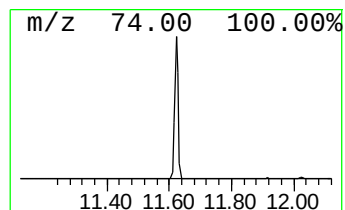
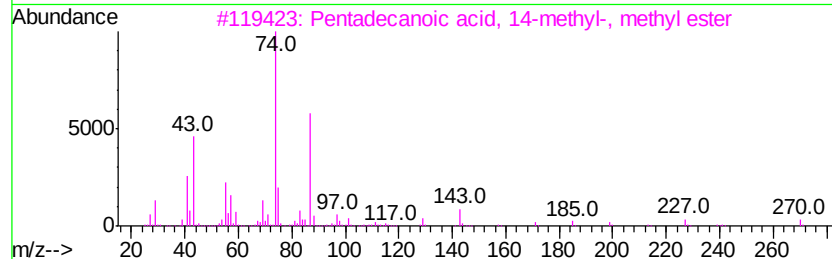
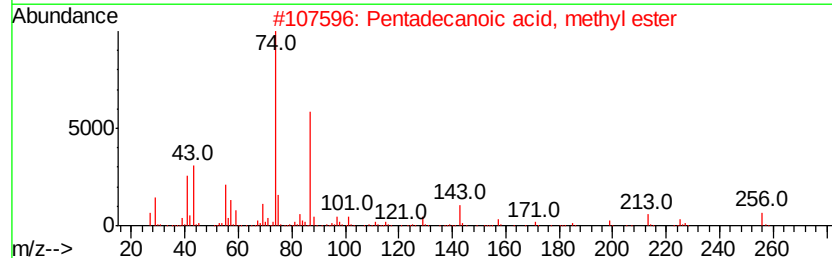
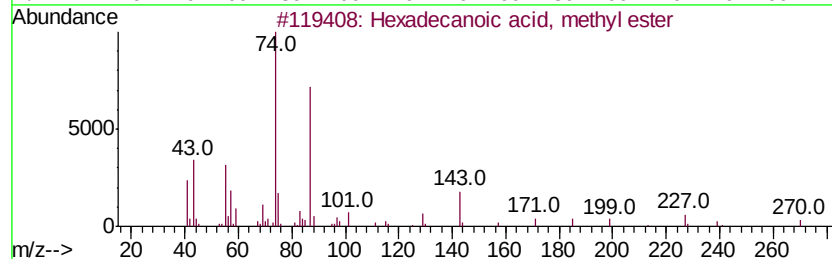
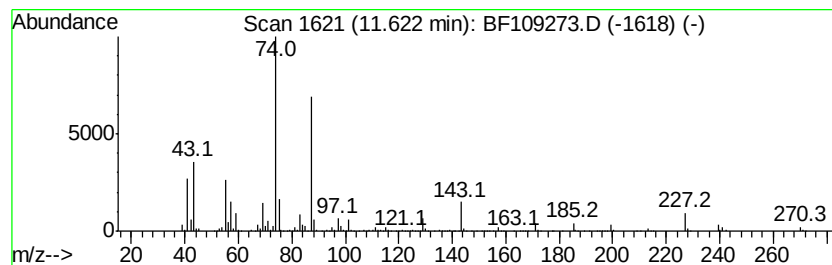
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ClientSampleId :
JC-02-092118-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.62	38.27 ng	1478020	Phenanthrene-d10	11.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
3		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	87
4		Methyl tetradecanoate	242	C15H30O2	000124-10-7	86
5		Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109273.D
Acq On : 24 Sep 2018 17:45
Operator : JU/SJ
Sample : J4770-09 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-02-092118-E

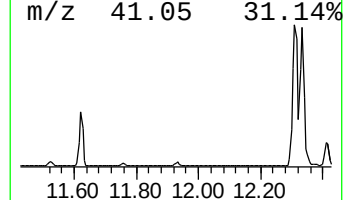
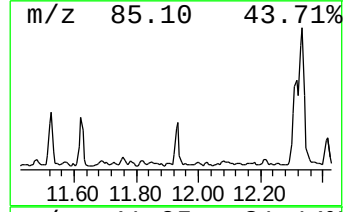
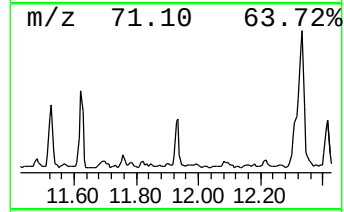
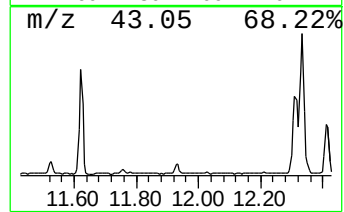
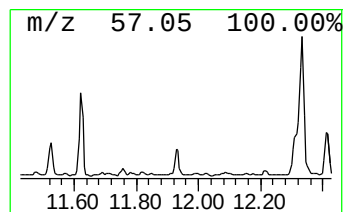
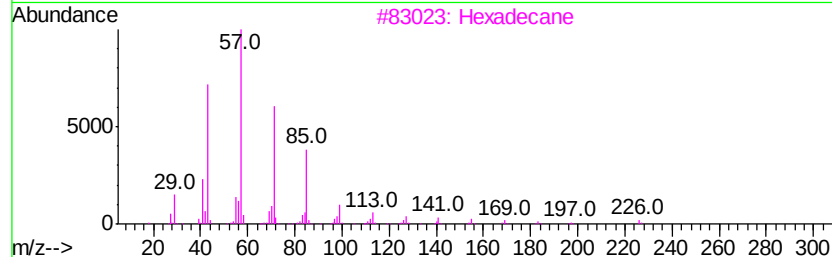
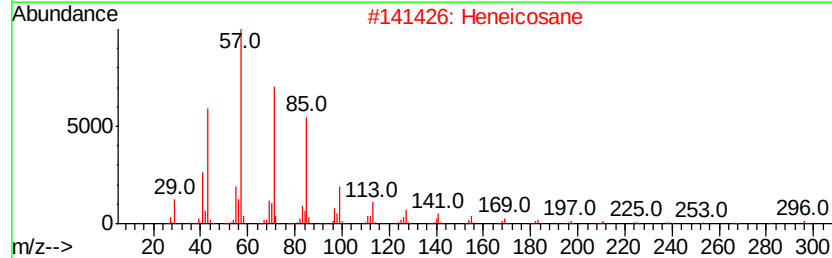
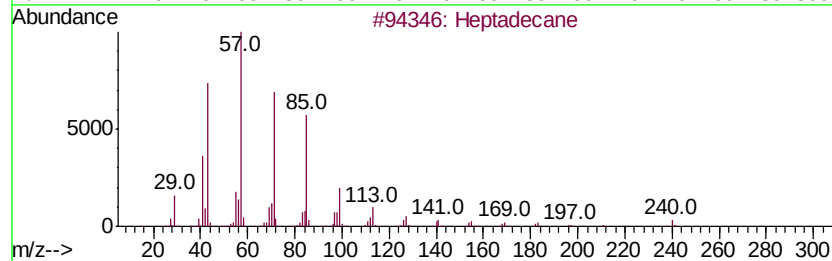
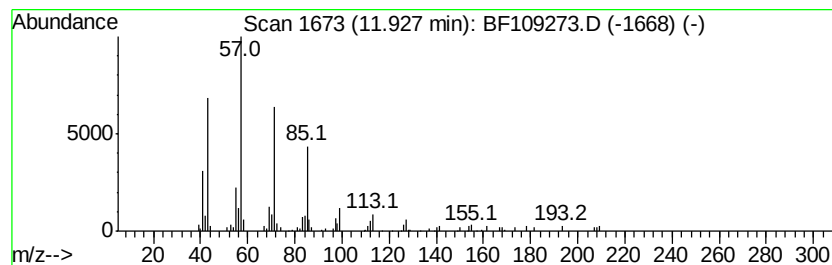
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heptadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.01 ng	116227	Phenanthrene-d10	11.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	97
2		Heneicosane	296	C21H44	000629-94-7	87
3		Hexadecane	226	C16H34	000544-76-3	86
4		Octadecane	254	C18H38	000593-45-3	86
5		Pentadecane	212	C15H32	000629-62-9	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109273.D
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Sample : J4770-09 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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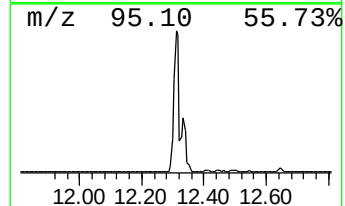
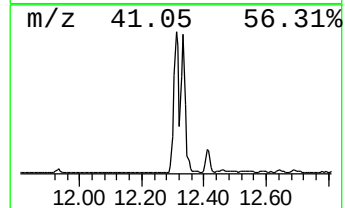
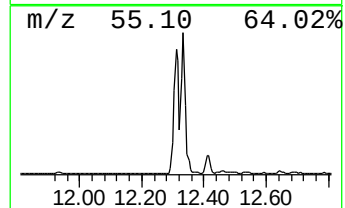
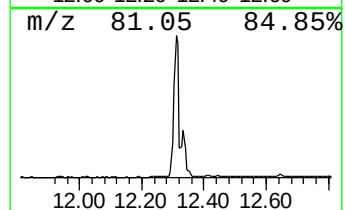
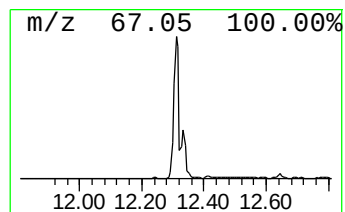
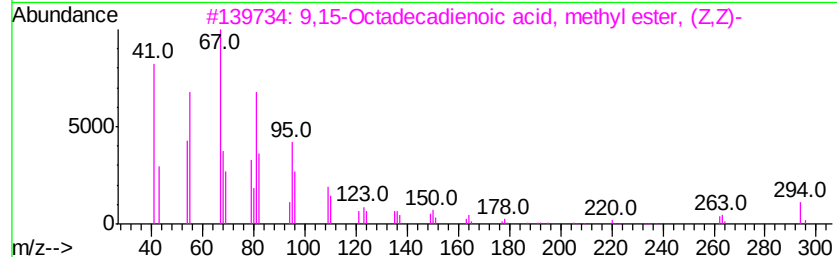
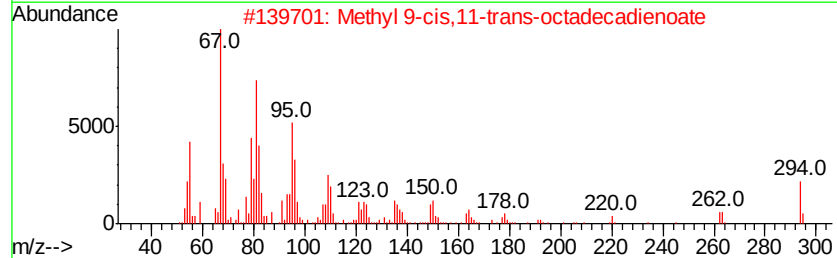
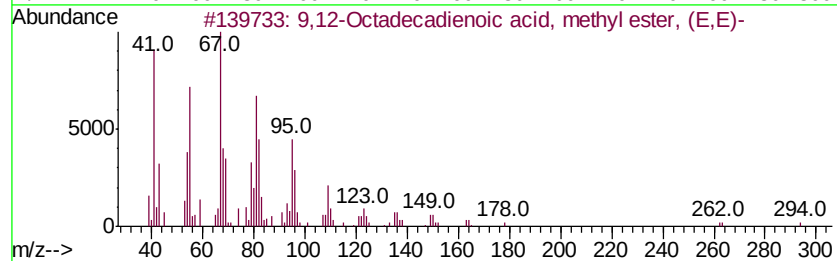
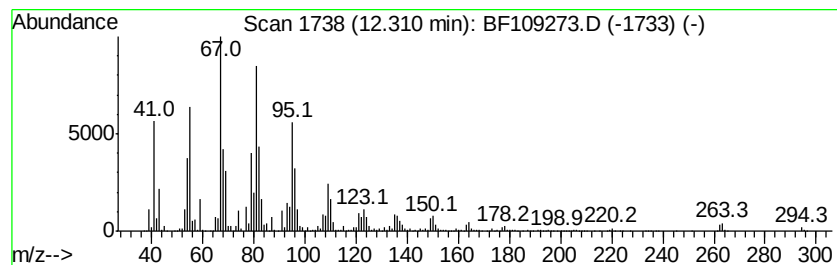
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	146.04 ng	5639830	Phenanthrene-d10	11.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2			Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
3			9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4			11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	98
5			9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
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Acq On : 24 Sep 2018 17:45
Operator : JU/SJ
Sample : J4770-09 2X
Misc :
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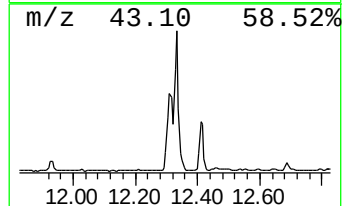
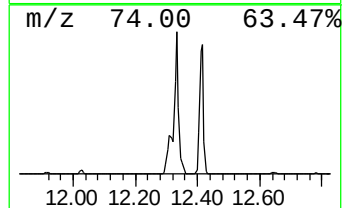
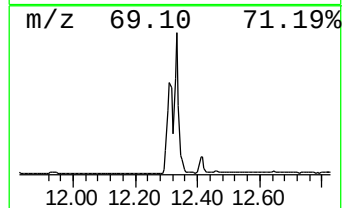
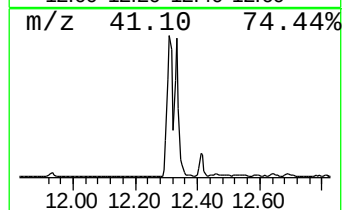
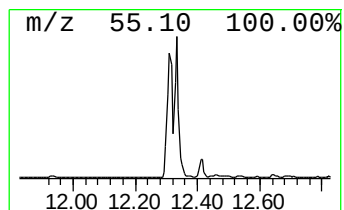
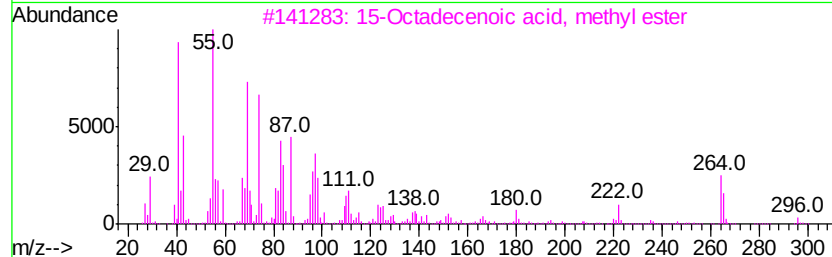
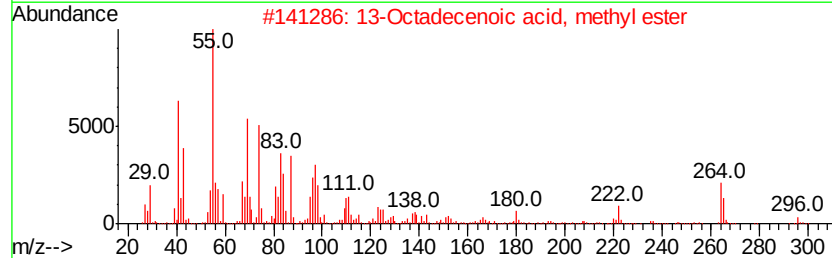
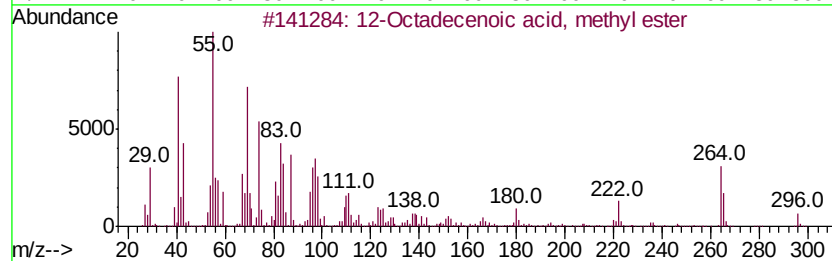
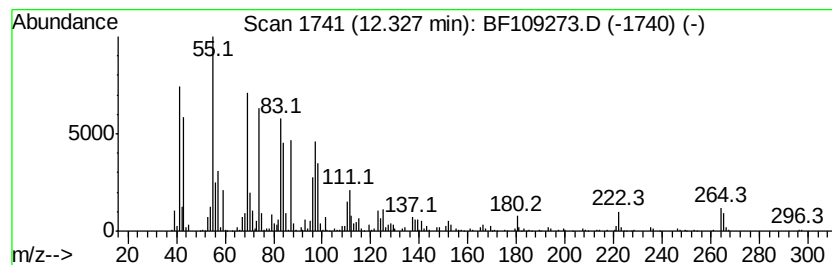
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 12-Octadecenoic acid, methyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.33	103.38 ng	3992460	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109273.D
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Sample : J4770-09 2X
Misc :
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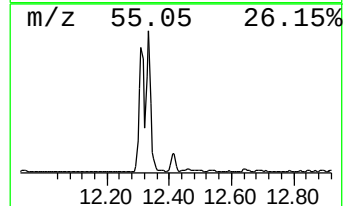
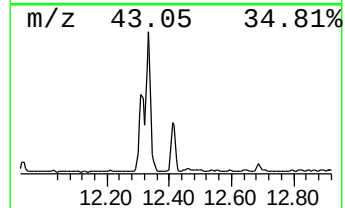
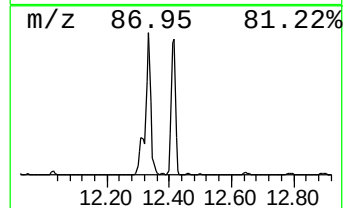
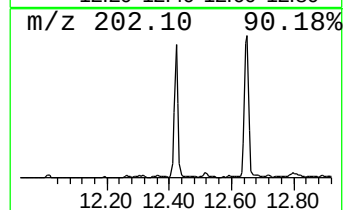
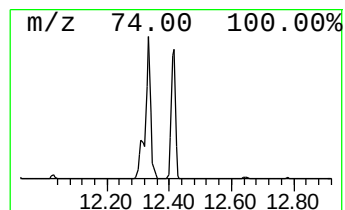
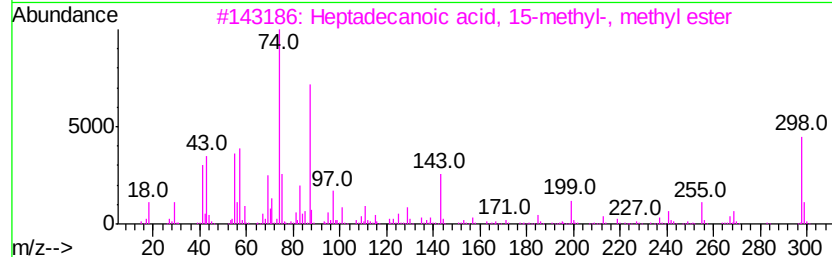
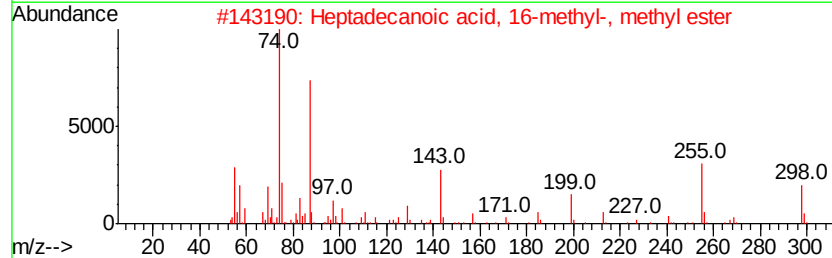
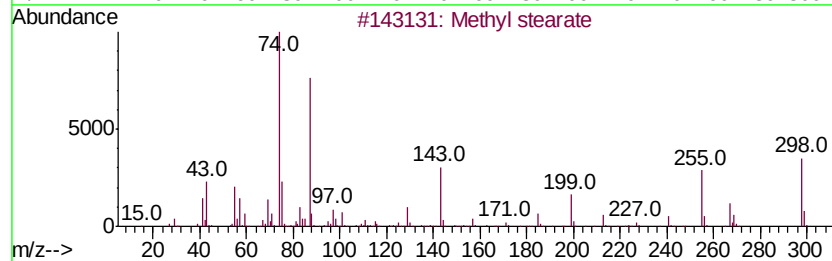
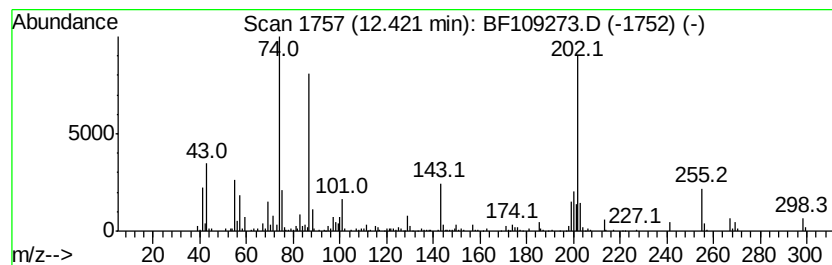
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Methyl stearate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	21.63 ng	835255	Phenanthrene-d10	11.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Methyl stearate	298 C19H38O2	000112-61-8 98
2		Heptadecanoic acid, 16-methyl-, ...	298 C19H38O2	005129-61-3 87
3		Heptadecanoic acid, 15-methyl-, ...	298 C19H38O2	054833-55-5 80
4		Hexadecanoic acid, methyl ester	270 C17H34O2	000112-39-0 80
5		Methyl tetradecanoate	242 C15H30O2	000124-10-7 80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109273.D
Acq On : 24 Sep 2018 17:45
Operator : JU/SJ
Sample : J4770-09 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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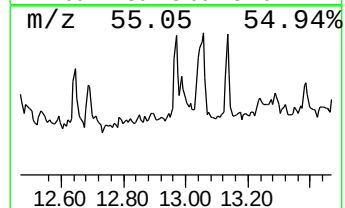
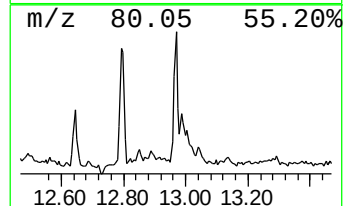
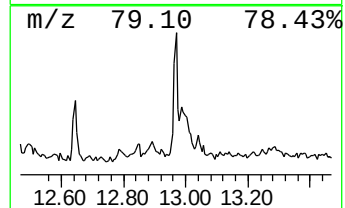
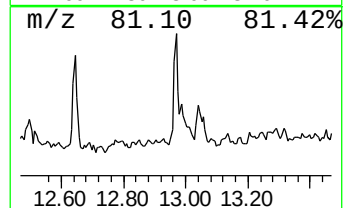
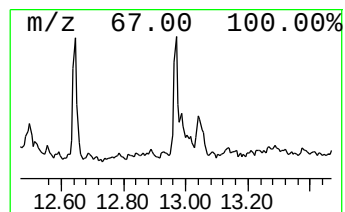
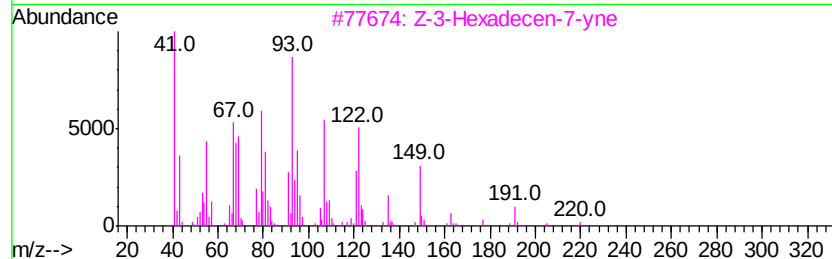
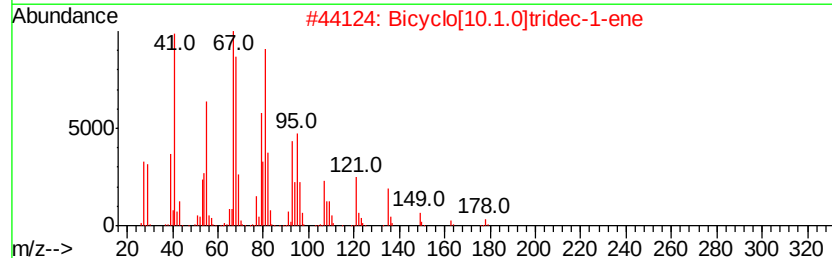
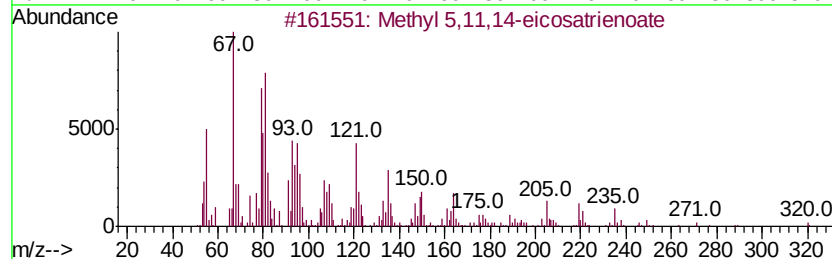
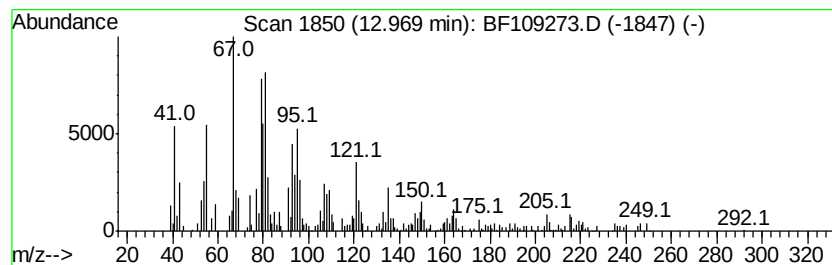
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Methyl 5,11,14-eicosatrienoate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	4.32 ng	175130	Chrysene-d12	13.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methyl 5,11,14-eicosatrienoate	320	C21H36O2	1000336-40-2	91
2		Bicyclo[10.1.0]tridec-1-ene	178	C13H22	054766-91-5	90
3		Z-3-Hexadecen-7-yne	220	C16H28	1000130-91-3	60
4		Cis-4-methyl-exo-tricyclo[5.2.1....	150	C11H18	1000215-29-2	58
5		5-Undecyne	152	C11H20	002294-72-6	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
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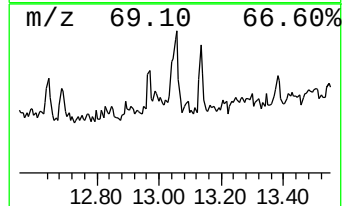
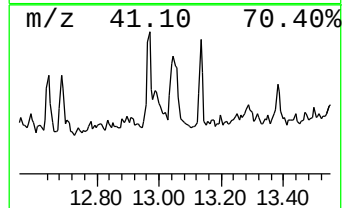
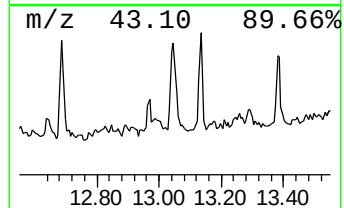
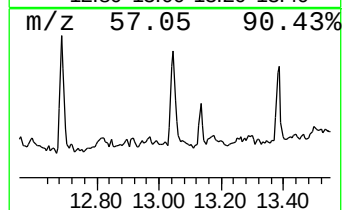
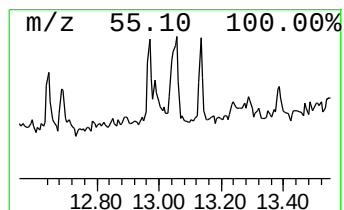
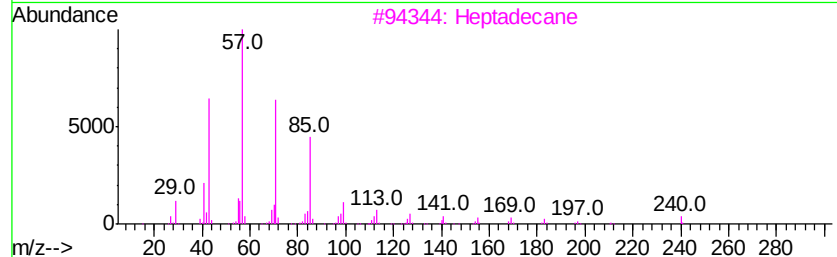
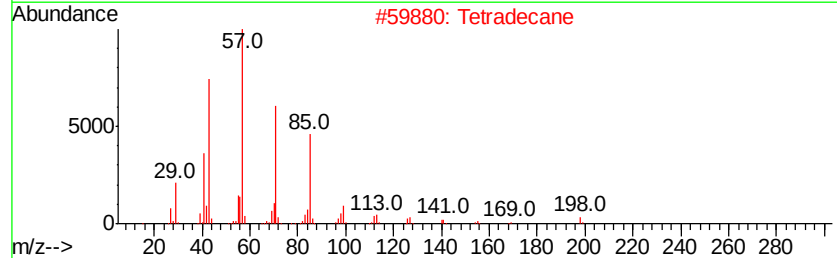
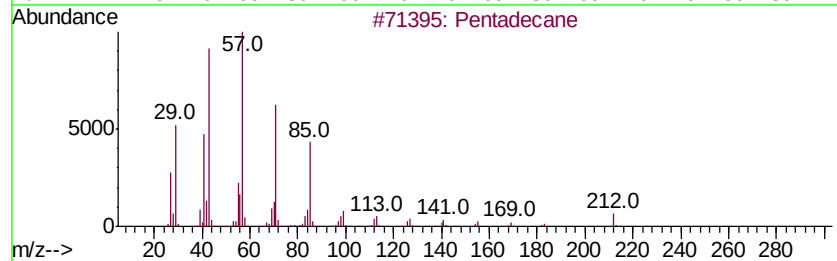
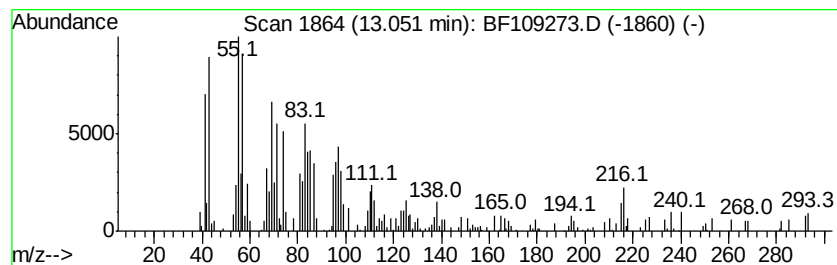
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Pentadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.05	3.92 ng	158915	Chrysene-d12		13.84
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Tetradecane	198	C14H30	000629-59-4	89
3	Heptadecane	240	C17H36	000629-78-7	87
4	Hexadecane	226	C16H34	000544-76-3	87
5	Tritetracontane	605	C43H88	007098-21-7	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109273.D
Acq On : 24 Sep 2018 17:45
Operator : JU/SJ
Sample : J4770-09 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

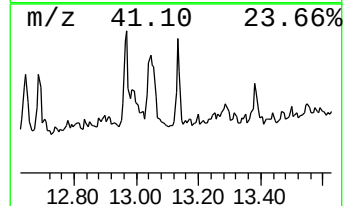
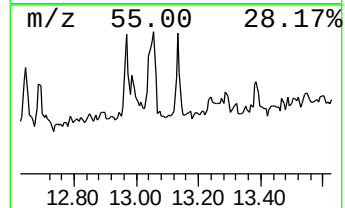
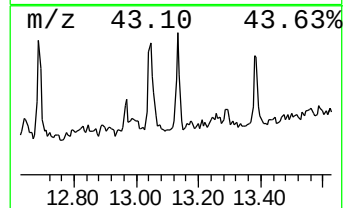
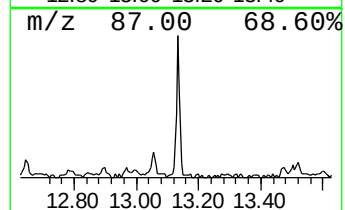
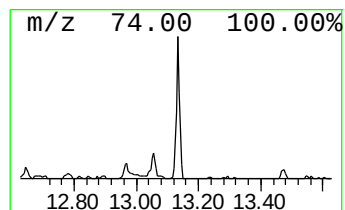
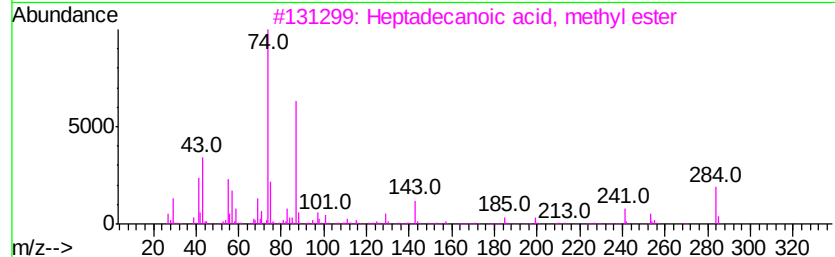
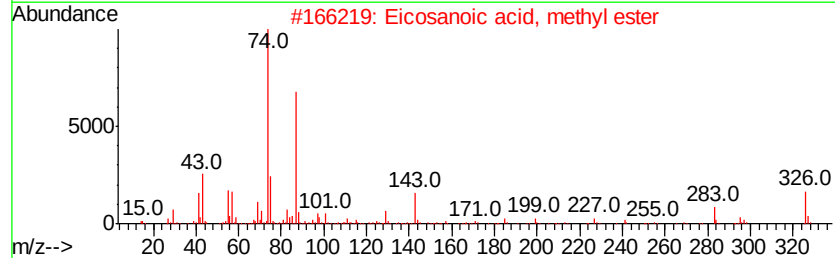
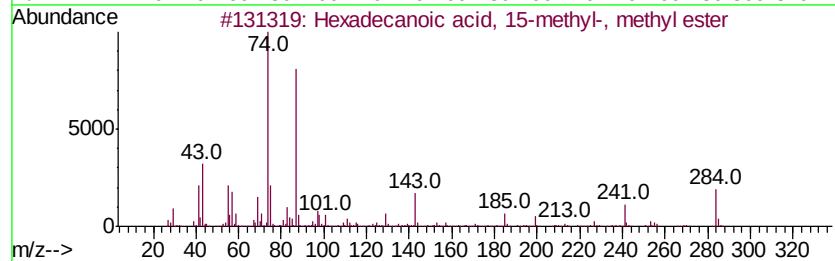
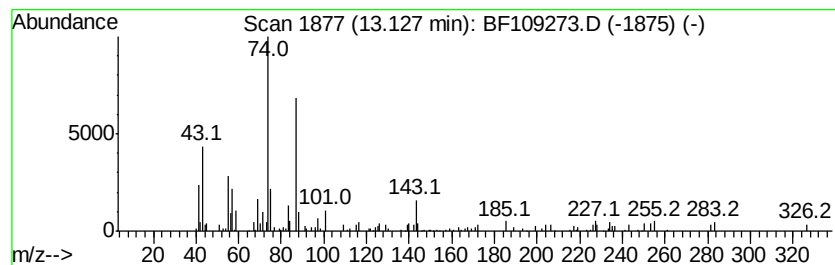
Instrument :
BNA_F
ClientSampleId :
JC-02-092118-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Hexadecanoic acid, 15-methy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.13	2.50 ng	101367	Chrysene-d12	13.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	97
2	Eicosanoic acid, methyl ester	326	C21H42O2	001120-28-1	94
3	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	93
4	Nonadecanoic acid, methyl ester	312	C20H40O2	001731-94-8	90
5	Hexadecanoic acid, 14-methyl-, m...	284	C18H36O2	002490-49-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092418\
 Data File : BF109273.D
 Acq On : 24 Sep 2018 17:45
 Operator : JU/SJ
 Sample : J4770-09 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-092118-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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
5-Fluoro-2-chloro...	6.47	24.2	ng	747024	1	6.71	618116	20.0
Tridecane	9.16	2.0	ng	84158	3	9.74	820189	20.0
Hexadecane	10.18	2.4	ng	98105	3	9.74	820189	20.0
Sulfurous acid, 2...	11.10	2.8	ng	109204	4	11.22	772354	20.0
Heneicosane	11.53	2.6	ng	102401	4	11.22	772354	20.0
Hexadecanoic acid...	11.62	38.3	ng	1478020	4	11.22	772354	20.0
Heptadecane	11.93	3.0	ng	116227	4	11.22	772354	20.0
9,12-Octadecadien...	12.31	146.0	ng	5639830	4	11.22	772354	20.0
12-Octadecenoic a...	12.33	103.4	ng	3992460	4	11.22	772354	20.0
Methyl stearate	12.42	21.6	ng	835255	4	11.22	772354	20.0
Methyl 5,11,14-ei...	12.97	4.3	ng	175130	5	13.84	810165	20.0
Pentadecane	13.05	3.9	ng	158915	5	13.84	810165	20.0
Hexadecanoic acid...	13.13	2.5	ng	101367	5	13.84	810165	20.0