

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
 Data File : BM022236.D
 Acq On : 21 Aug 2019 19:25
 Operator : HP/JU
 Sample : K4096-04 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-081919

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_M\METHODS\8270-BM082019.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	6.757	636	641	651	rBV	96974	172316	1.05%	0.414%
2	7.104	694	700	708	rBV	114442	183910	1.13%	0.442%
3	7.563	772	778	787	rBB	179980	279813	1.71%	0.673%
4	10.339	1243	1250	1271	rBB	203227	356748	2.18%	0.858%
5	12.833	1668	1674	1683	rBV	153079	225502	1.38%	0.542%
6	14.221	1904	1910	1920	rVB2	287718	427505	2.62%	1.028%
7	16.986	2374	2380	2385	rBV2	299086	415892	2.55%	1.000%
8	17.656	2488	2494	2498	rBV	4257809	4578531	28.02%	11.006%
9	17.886	2525	2533	2542	rBV	185161	257979	1.58%	0.620%
10	18.809	2684	2690	2693	rBV	10296382	12738556	77.96%	30.622%
11	18.850	2693	2697	2700	rVB	13967792	16339794	100.00%	39.279%
12	18.968	2712	2717	2723	rVB	1887520	2114014	12.94%	5.082%
13	19.027	2723	2727	2729	rBV2	196533	244645	1.50%	0.588%
14	19.056	2729	2732	2745	rVB	470969	714068	4.37%	1.717%
15	19.627	2823	2829	2833	rBV	244851	298505	1.83%	0.718%
16	19.962	2881	2886	2896	rVB2	113281	218526	1.34%	0.525%
17	20.074	2901	2905	2909	rBV	138685	168656	1.03%	0.405%
18	20.127	2909	2914	2920	rBV2	146995	269654	1.65%	0.648%
19	20.186	2920	2924	2931	rVV	128960	197821	1.21%	0.476%
20	20.715	3008	3014	3018	rVB2	196717	321589	1.97%	0.773%
21	21.191	3090	3095	3100	rBV	406192	515118	3.15%	1.238%
22	23.391	3463	3469	3481	rVB	288599	559833	3.43%	1.346%

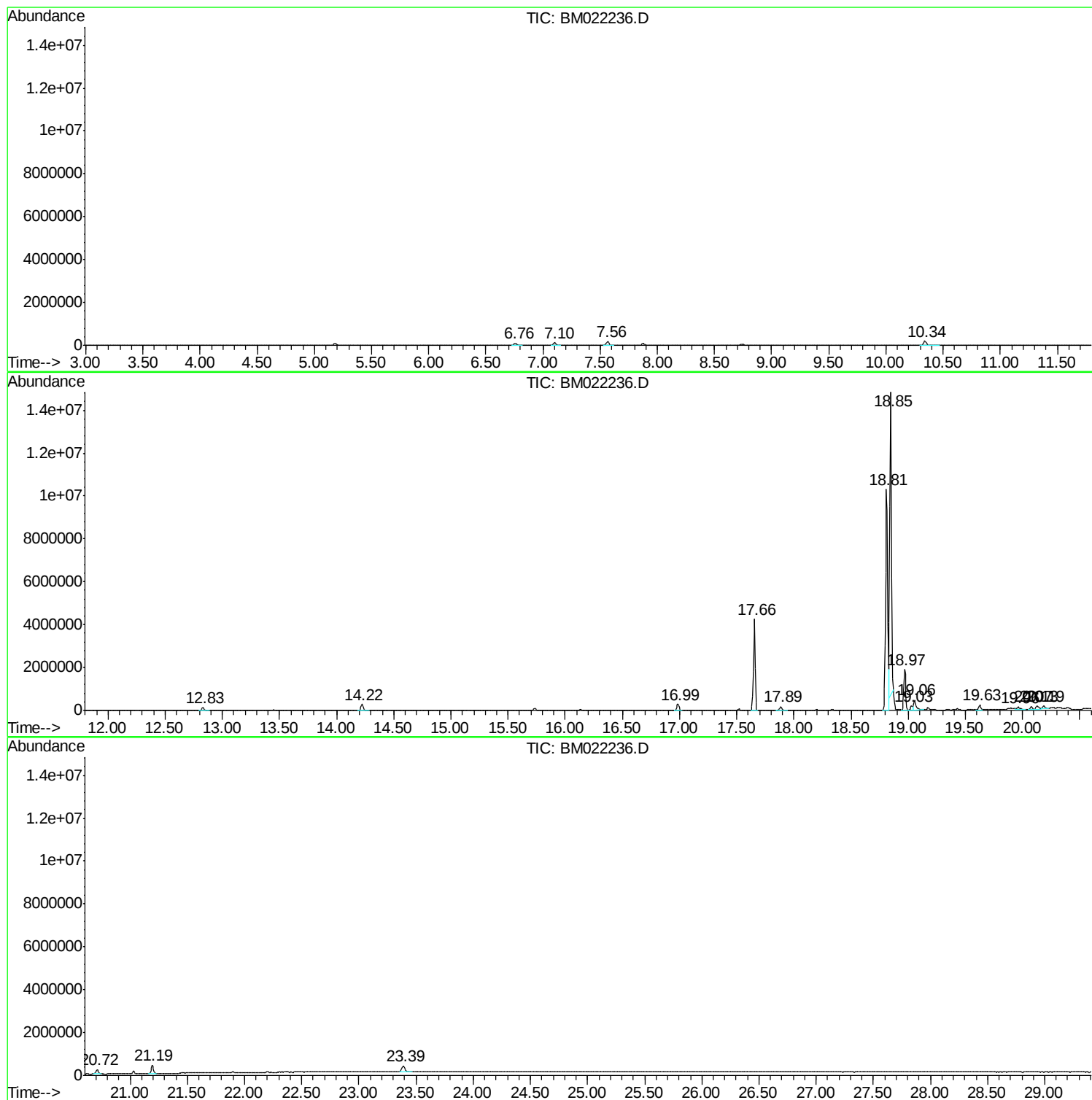
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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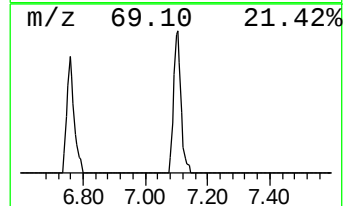
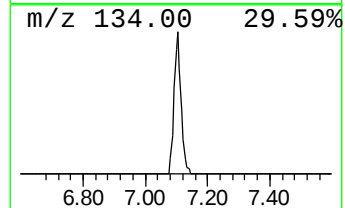
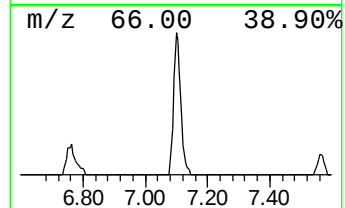
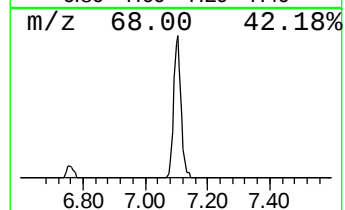
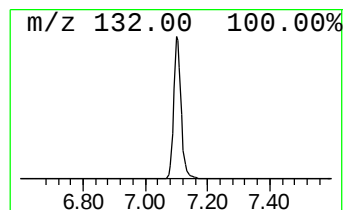
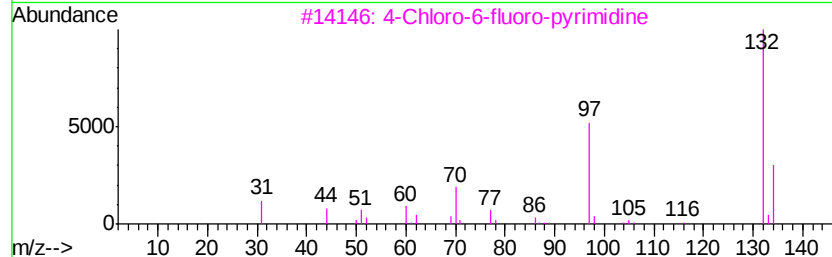
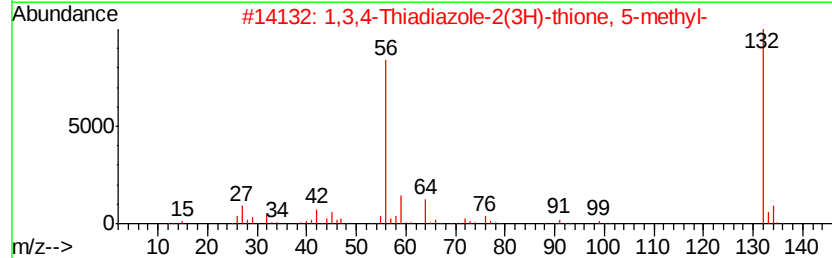
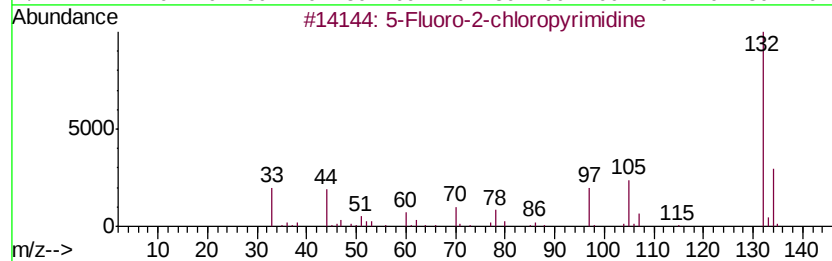
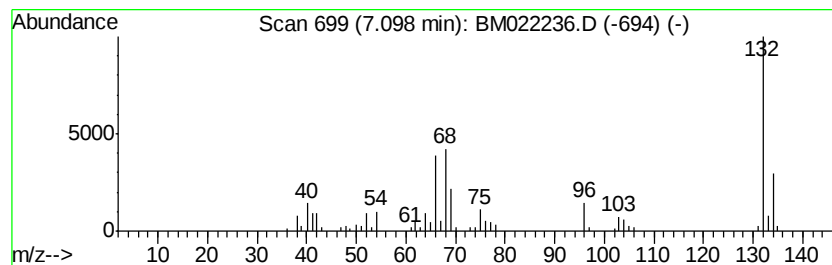
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown7.10 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	13.15 ng	183910	1,4-Dichlorobenzene-d4	7.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
2			1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	27
3			4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
4			1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	27
5			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27



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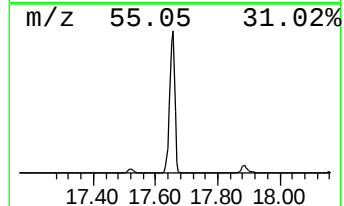
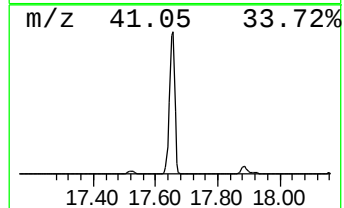
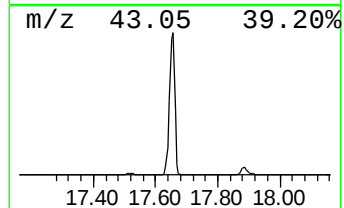
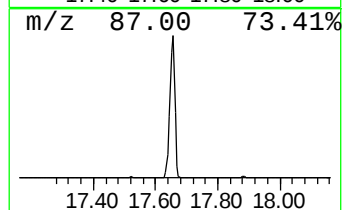
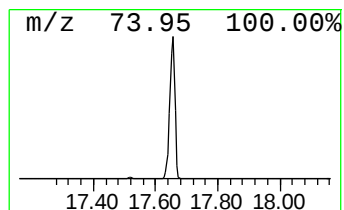
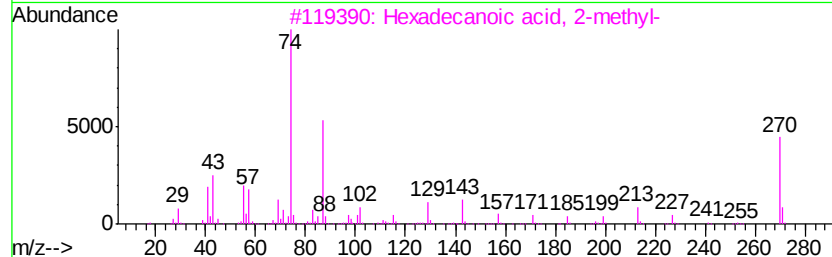
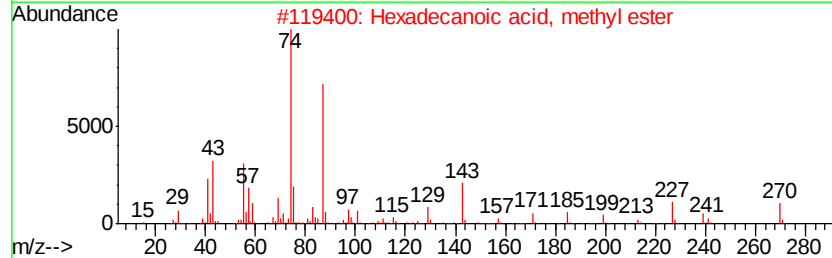
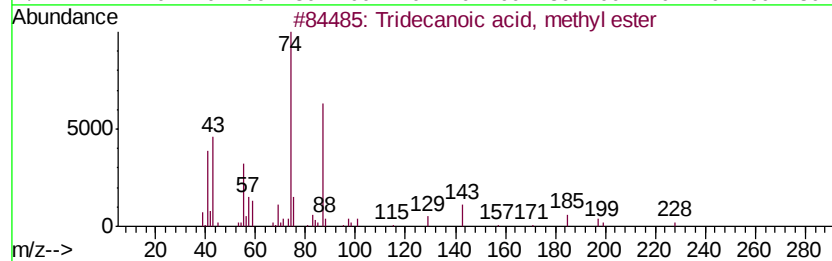
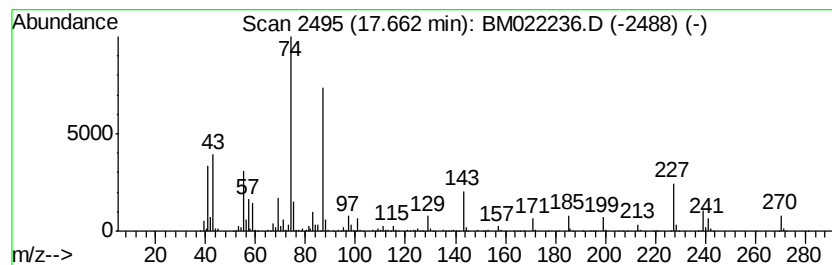
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Peak Number 2 Tridecanoic acid, methyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	220.18 ng	4578530	Phenanthrene-d10	16.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	95
2		Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	95
3		Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	81
4		Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	74
5		Methyl tetradecanoate	242	C15H30O2	000124-10-7	74



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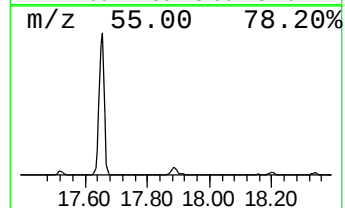
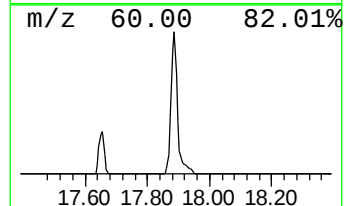
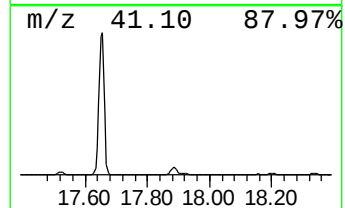
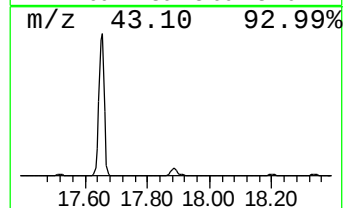
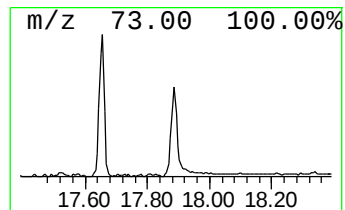
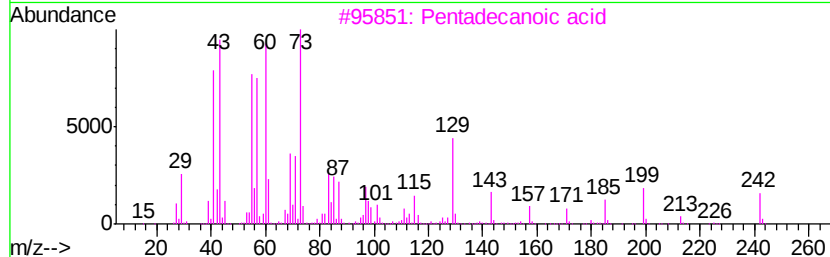
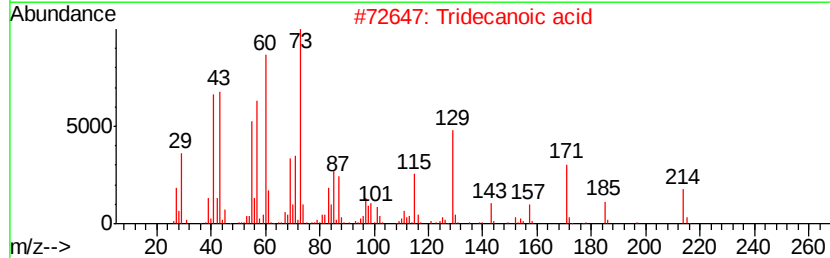
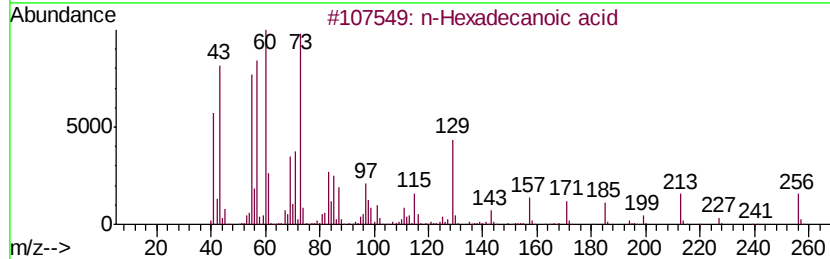
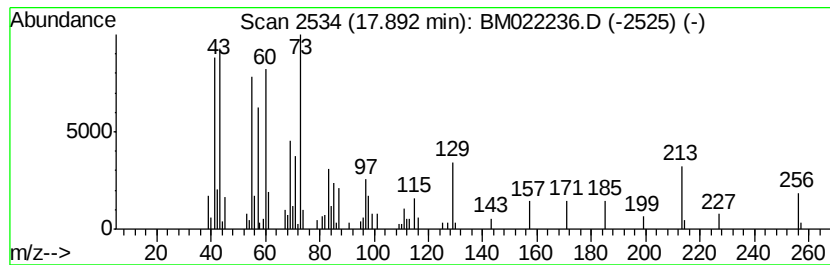
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	12.41 ng	257979	Phenanthrene-d10	16.99

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	93
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	74
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5		Dodecanoic acid	200	C12H24O2	000143-07-7	47



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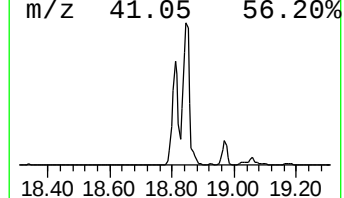
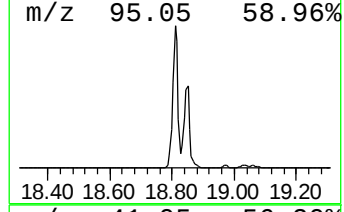
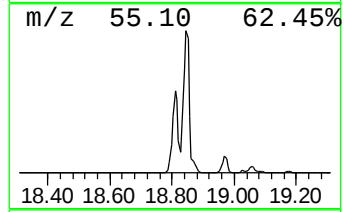
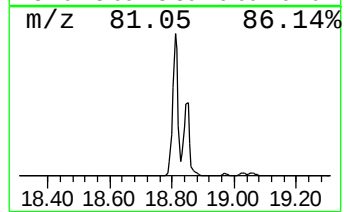
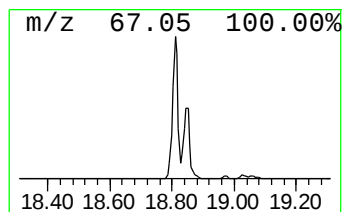
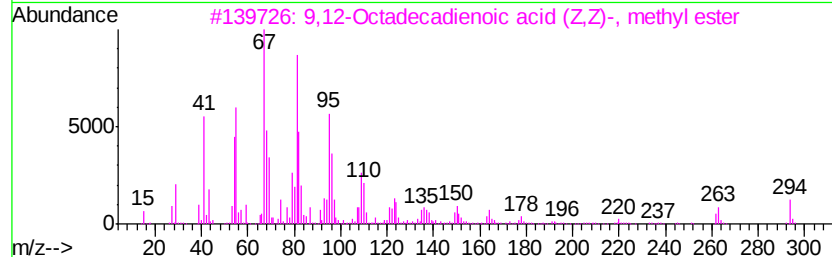
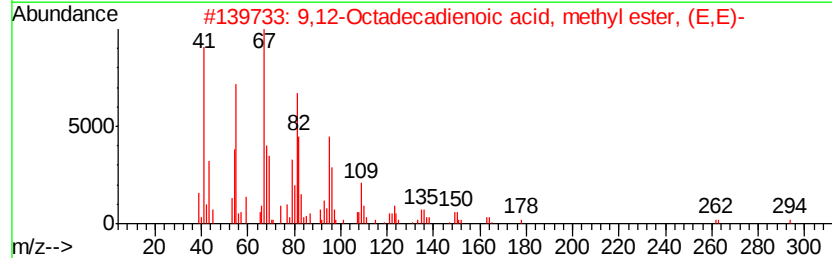
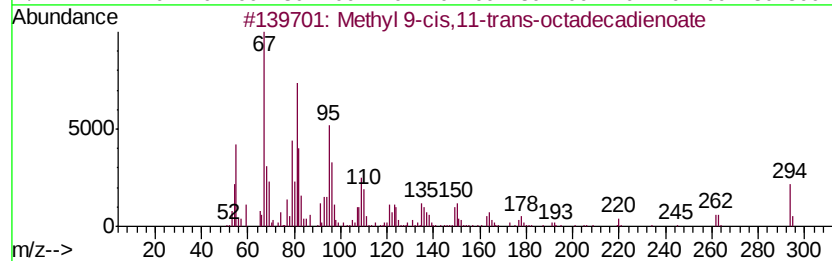
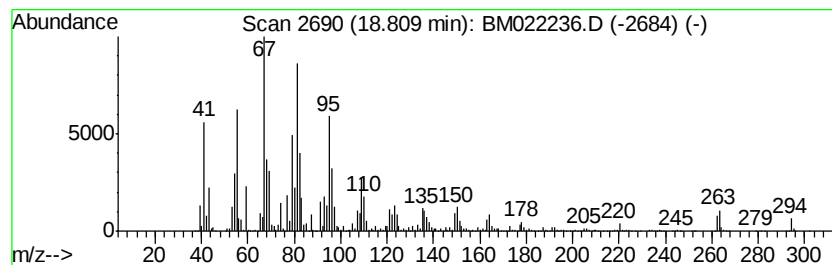
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Peak Number 4 Methyl 9-cis,11-trans-octad... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	612.59 ng	12738600	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	98



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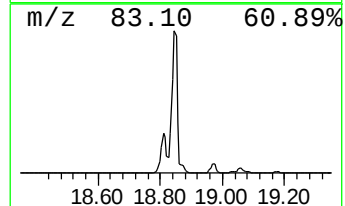
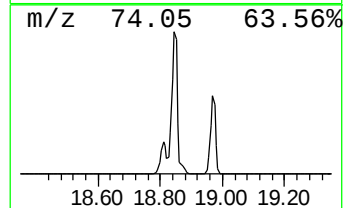
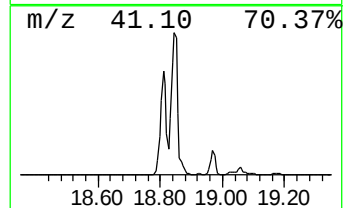
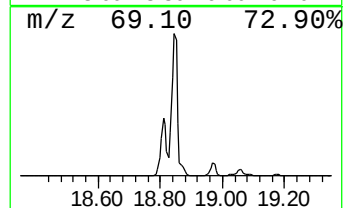
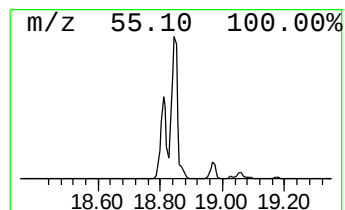
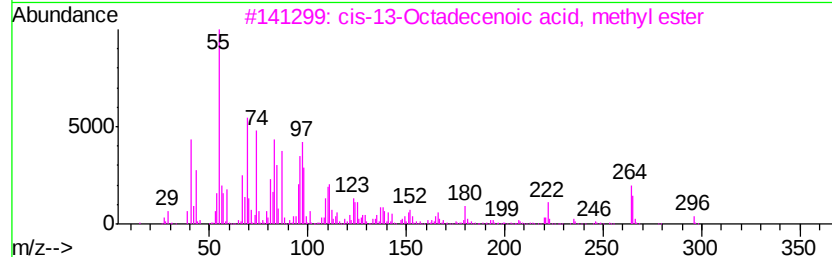
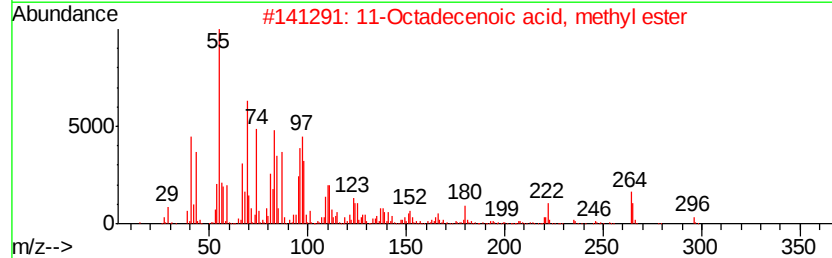
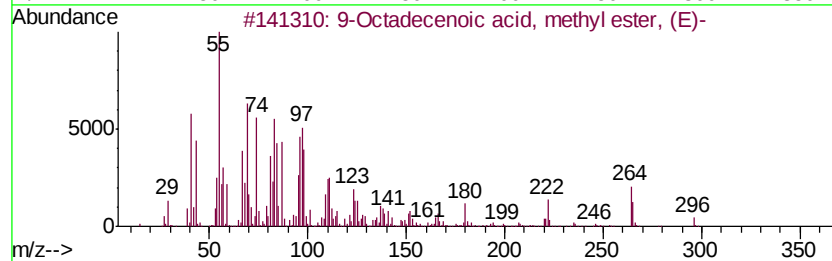
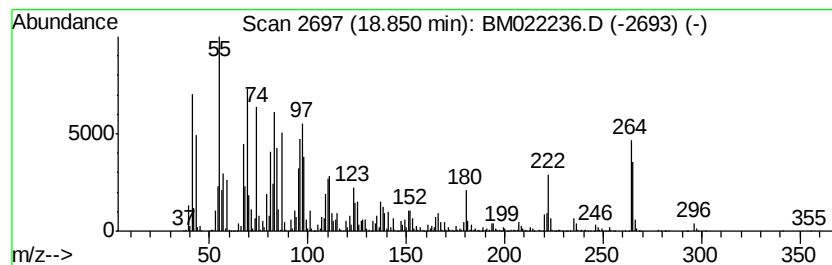
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Peak Number 5 9-Octadecenoic acid, methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	785.77 ng	16339800	Phenanthrene-d10	16.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
2		11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
3		cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	99
4		6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	97
5		16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	96



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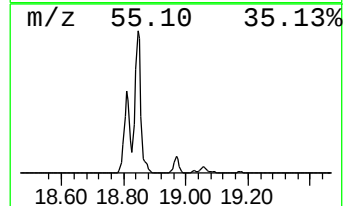
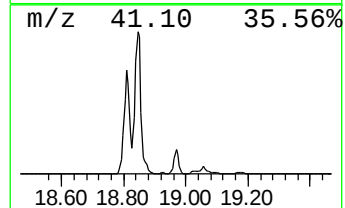
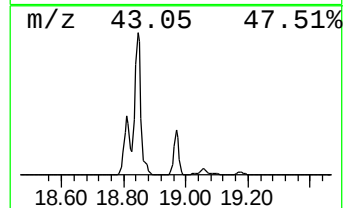
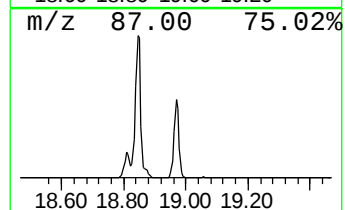
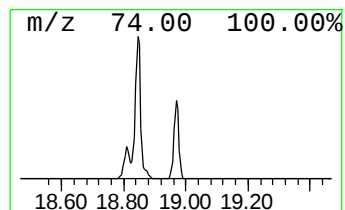
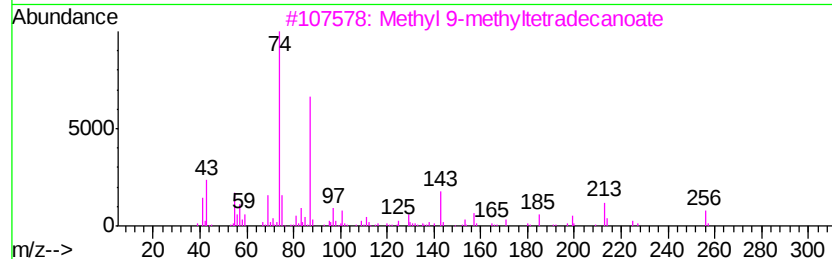
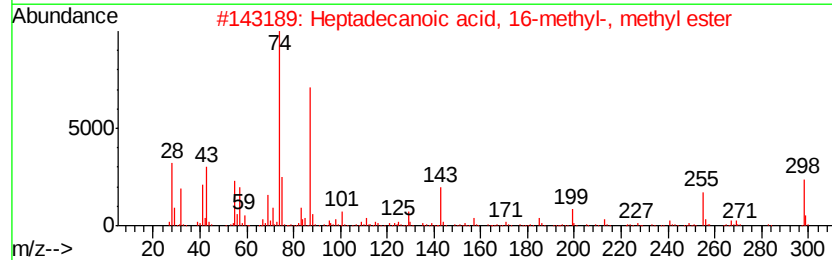
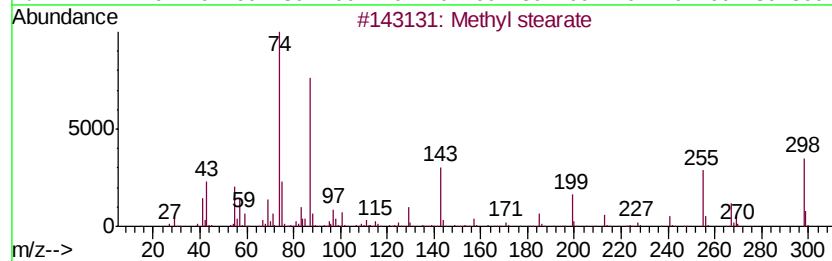
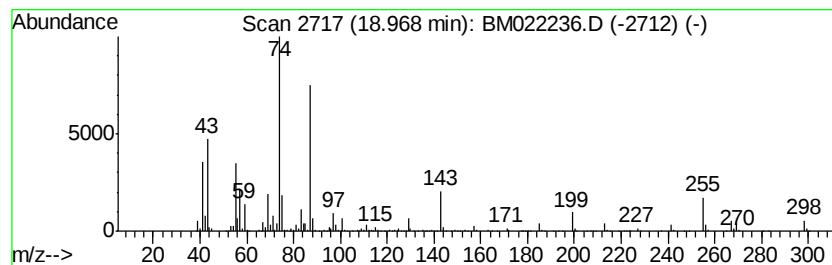
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Methyl stearate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	101.66 ng	2114010	Phenanthrene-d10	16.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methyl stearate	298	C19H38O2	000112-61-8	97
2		Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	89
3		Methyl 9-methyltetradecanoate	256	C16H32O2	213617-69-7	87
4		Methyl tetradecanoate	242	C15H30O2	000124-10-7	83
5		Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022236.D
Acq On : 21 Aug 2019 19:25
Operator : HP/JU
Sample : K4096-04 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TR-05-081919

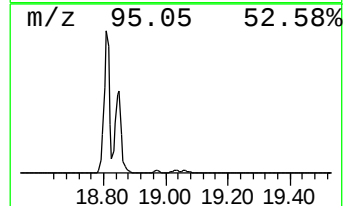
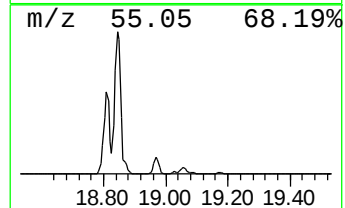
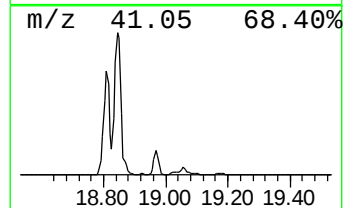
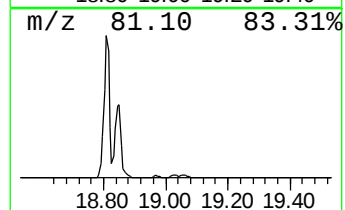
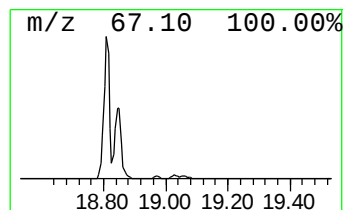
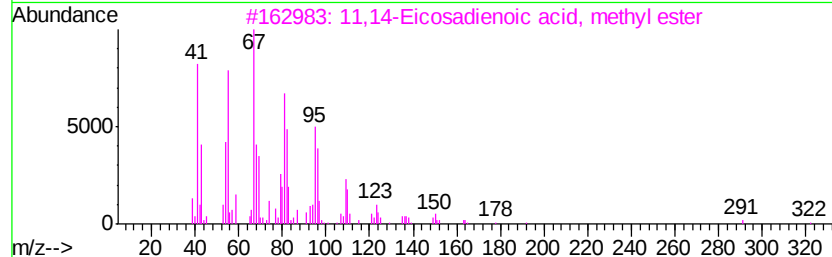
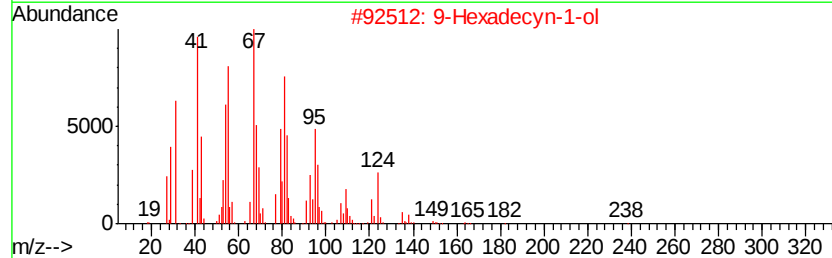
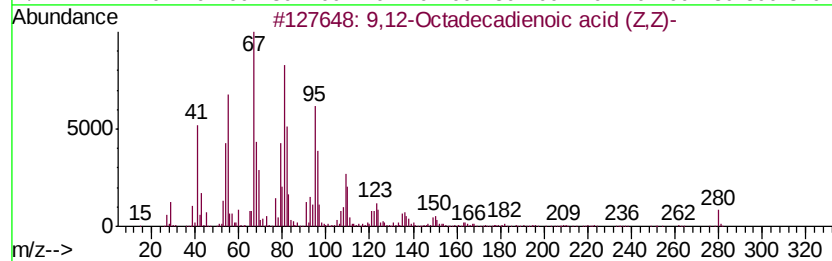
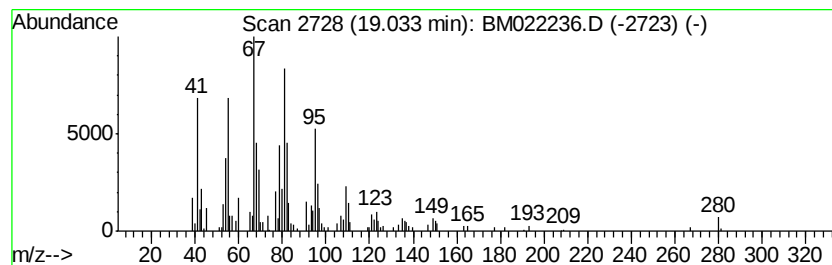
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9,12-Octadecadienoic acid (... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	11.76 ng	244645	Phenanthrene-d10	16.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	99
2		9-Hexadecyn-1-ol	238	C16H30O	1000342-40-3	86
3		11,14-Eicosadienoic acid, methyl...	322	C21H38O2	002463-02-7	83
4		Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	81
5		7-Hexadecyne	222	C16H30	074685-28-2	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022236.D
Acq On : 21 Aug 2019 19:25
Operator : HP/JU
Sample : K4096-04 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

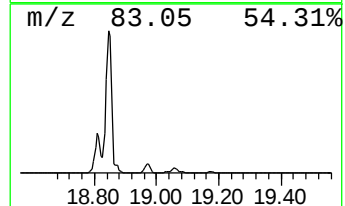
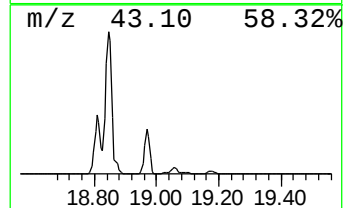
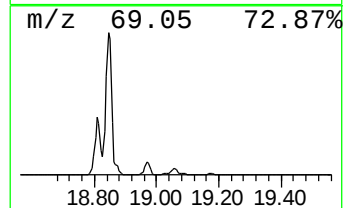
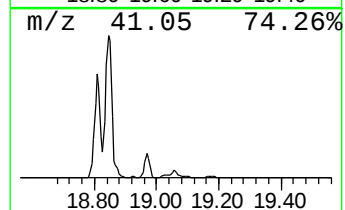
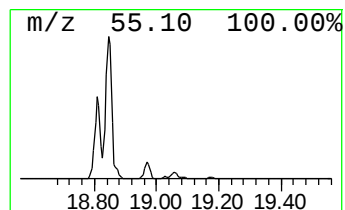
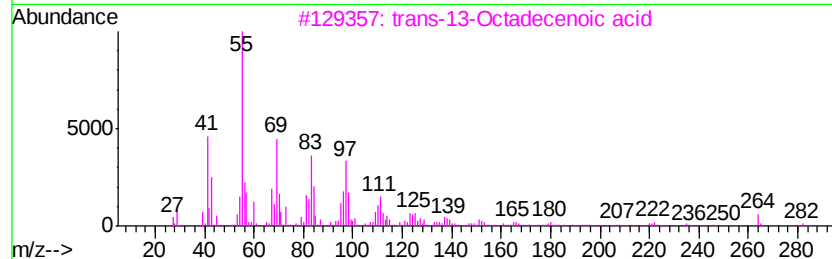
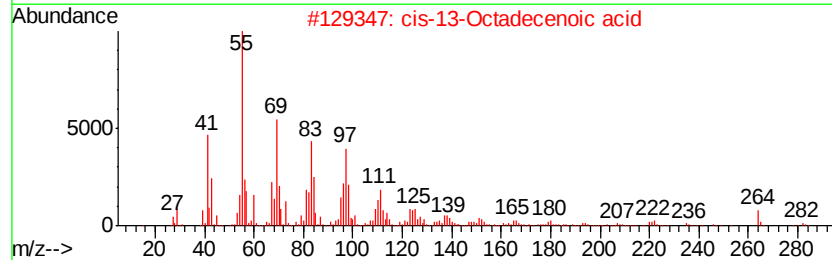
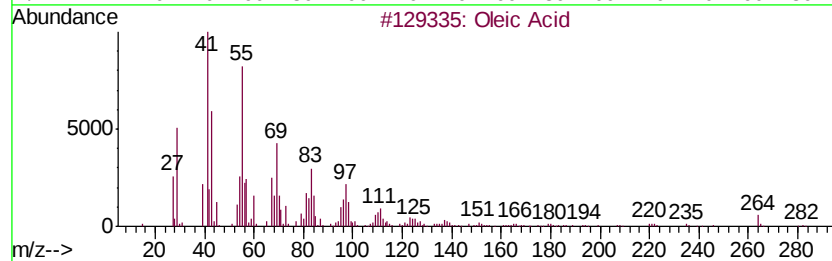
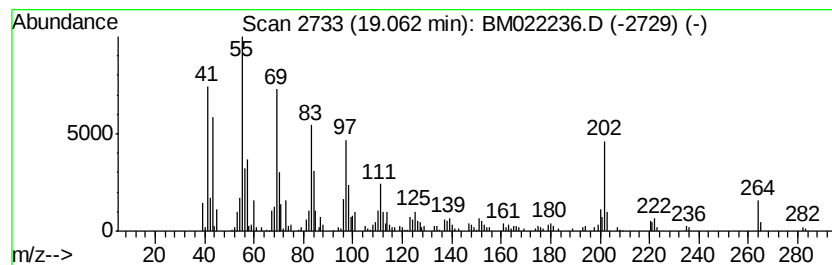
Instrument :
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ClientSampleId :
TR-05-081919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Oleic Acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.06	34.34 ng	714068	Phenanthrene-d10		16.99	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oleic Acid	282	C18H34O2	000112-80-1	93
2		cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	91
3		trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	78
4		9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	76
5		cis-Vaccenic acid	282	C18H34O2	000506-17-2	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022236.D
Acq On : 21 Aug 2019 19:25
Operator : HP/JU
Sample : K4096-04 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TR-05-081919

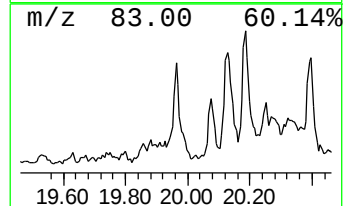
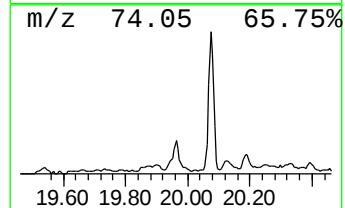
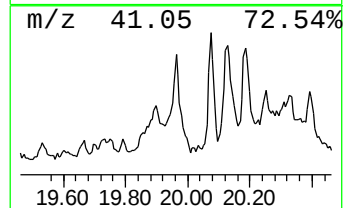
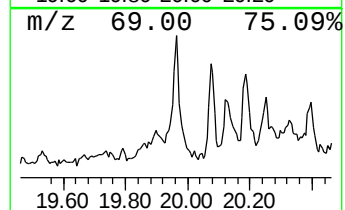
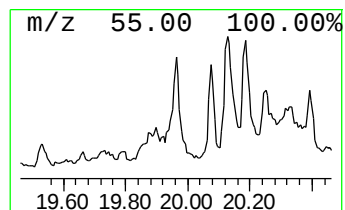
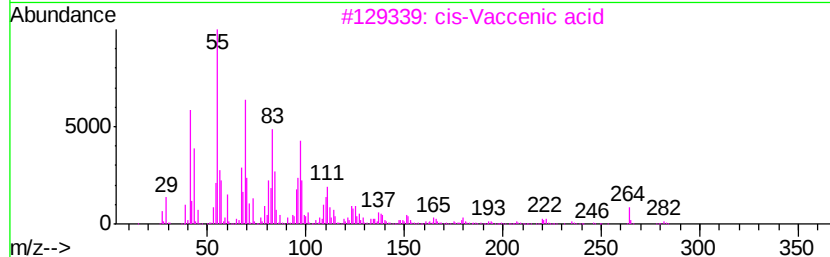
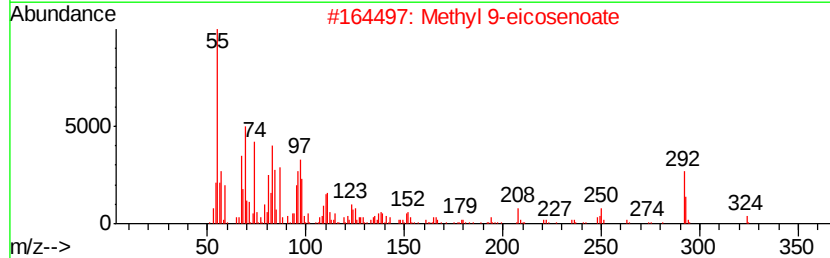
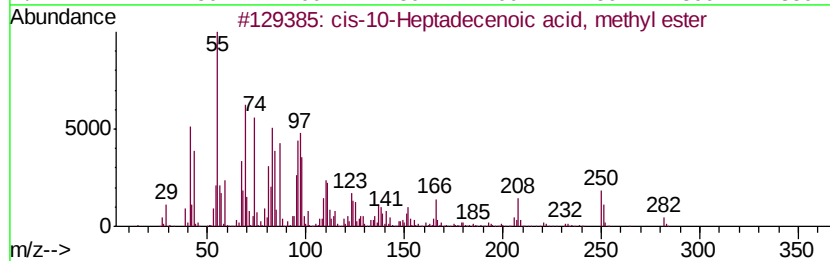
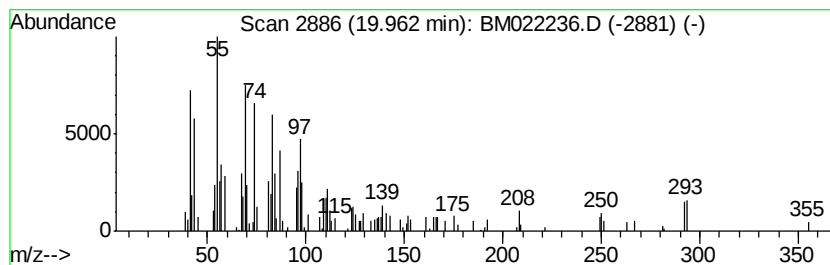
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 cis-10-Heptadecenoic acid, ... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	8.48 ng	218526	Chrysene-d12	21.19

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-10-Heptadecenoic acid, methy...	282	C18H34O2	1000333-62-1	96
2			Methyl 9-eicosenoate	324	C21H40O2	1000336-50-5	83
3			cis-Vaccenic acid	282	C18H34O2	000506-17-2	74
4			cis-13-Eicosenoic acid, methyl e...	324	C21H40O2	1000333-52-1	70
5			cis-11-Eicosenoic acid, methyl e...	324	C21H40O2	1000333-63-8	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022236.D
Acq On : 21 Aug 2019 19:25
Operator : HP/JU
Sample : K4096-04 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

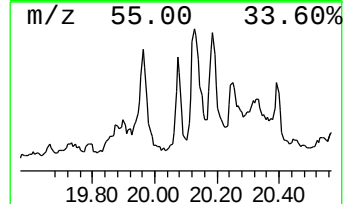
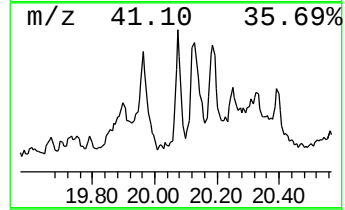
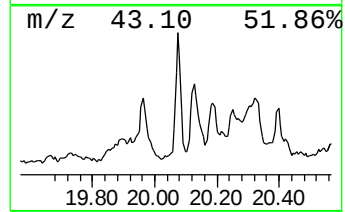
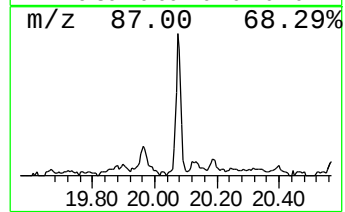
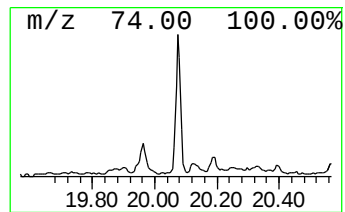
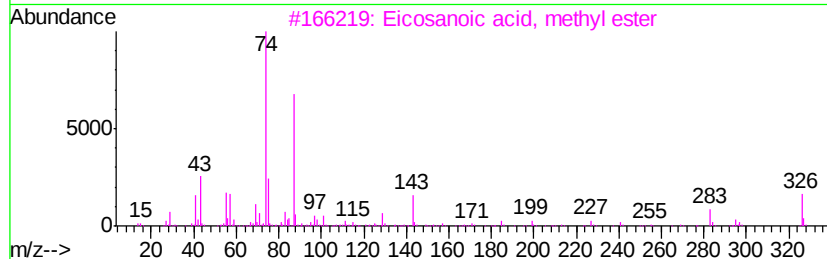
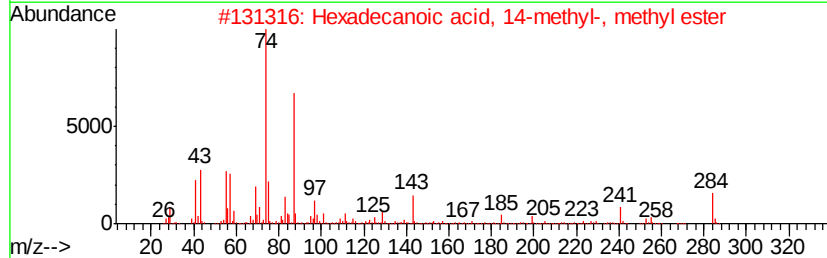
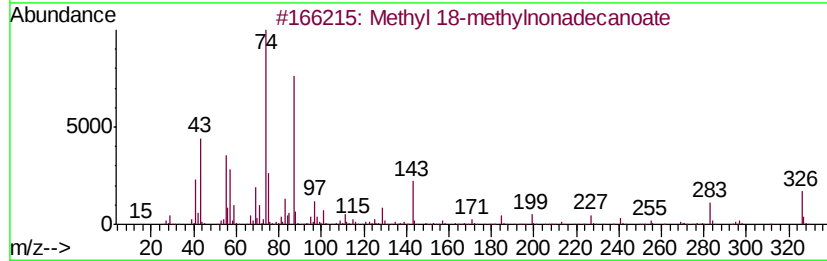
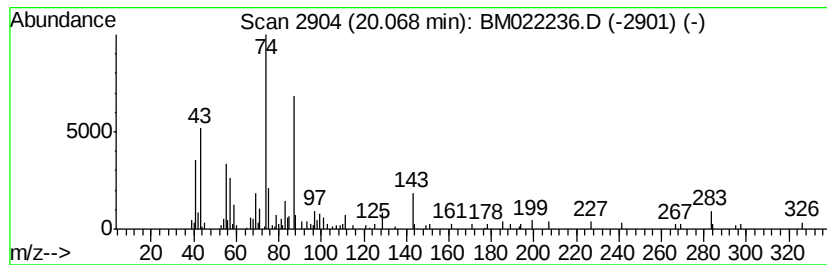
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Methyl 18-methylnonadecanoate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.07	6.55 ng	168656	Chrysene-d12	21.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl	18-methylnonadecanoate	326	C21H42O2	1000352-20-6	96
2	Hexadecanoic acid, 14-methyl-, m...		284	C18H36O2	002490-49-5	95
3	Eicosanoic acid, methyl ester		326	C21H42O2	001120-28-1	95
4	Heptadecanoic acid, methyl ester		284	C18H36O2	001731-92-6	95
5	Hexadecanoic acid, 15-methyl-, m...		284	C18H36O2	006929-04-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022236.D
Acq On : 21 Aug 2019 19:25
Operator : HP/JU
Sample : K4096-04 5X
Misc :
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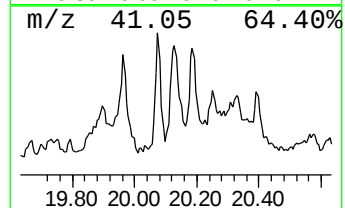
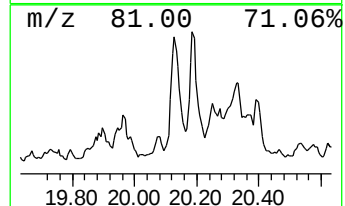
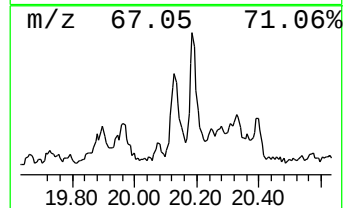
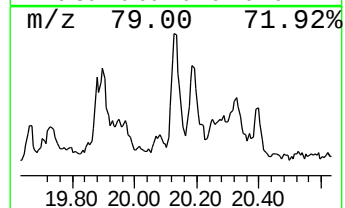
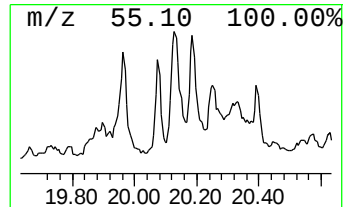
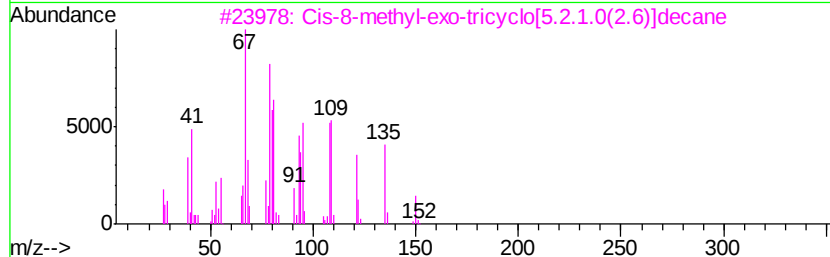
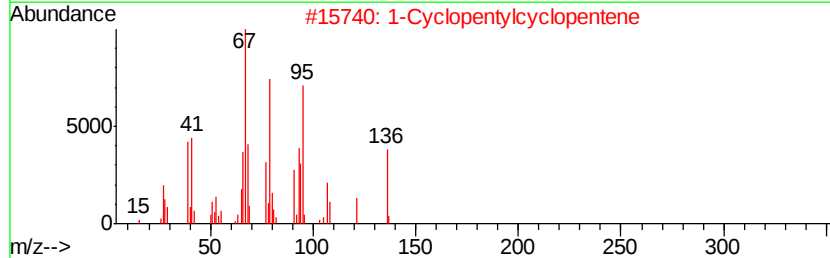
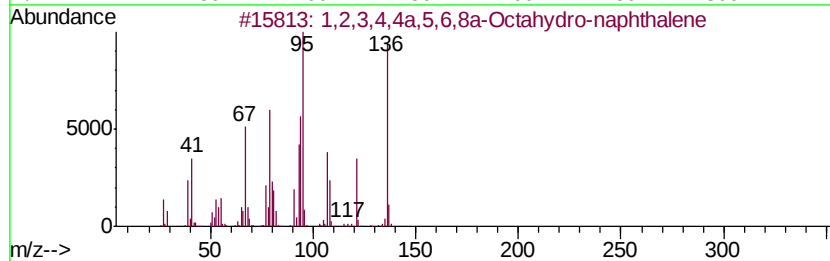
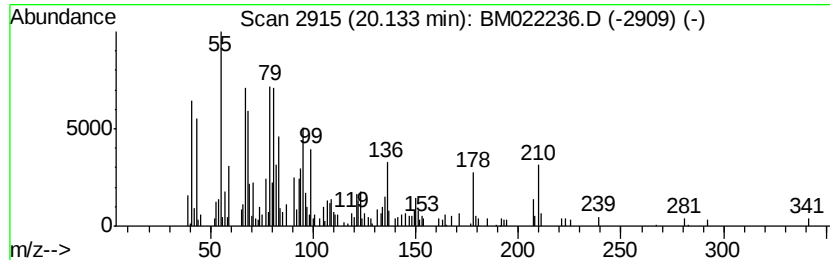
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,2,3,4,4a,5,6,8a-Octahydro... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	10.47 ng	269654	Chrysene-d12	21.19
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,2,3,4,4a,5,6,8a-Octahydro-naph...	136 C10H16	031244-58-3	81
2	1-Cyclopentylcyclopentene	136 C10H16	004884-21-3	51
3	Cis-8-methyl-exo-tricyclo[5.2.1....	150 C11H18	1000215-29-3	47
4	4-Cyclohexylidene-n-butanol	154 C10H18O	004441-58-1	46
5	4,7-Methano-1H-indene, octahydro-	136 C10H16	006004-38-2	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022236.D
Acq On : 21 Aug 2019 19:25
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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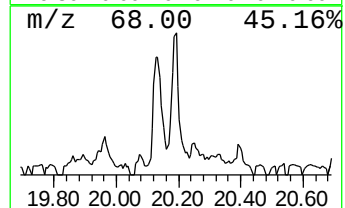
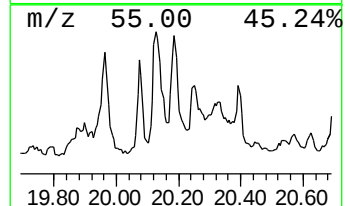
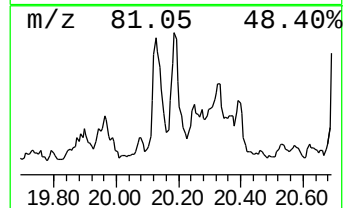
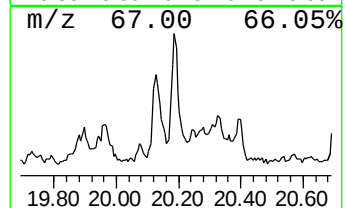
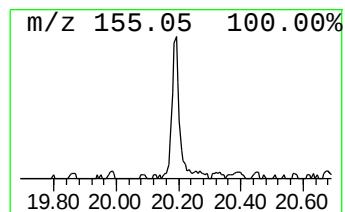
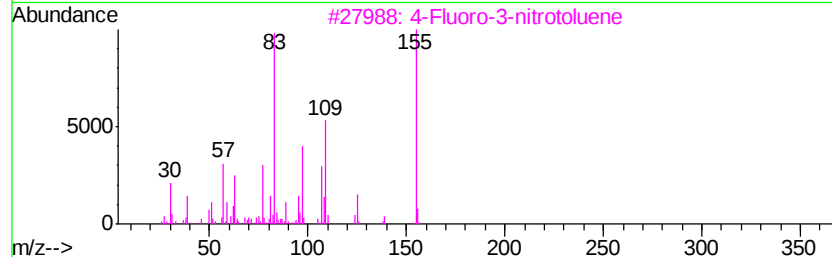
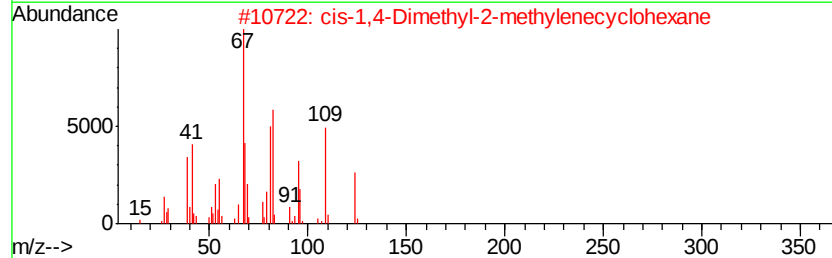
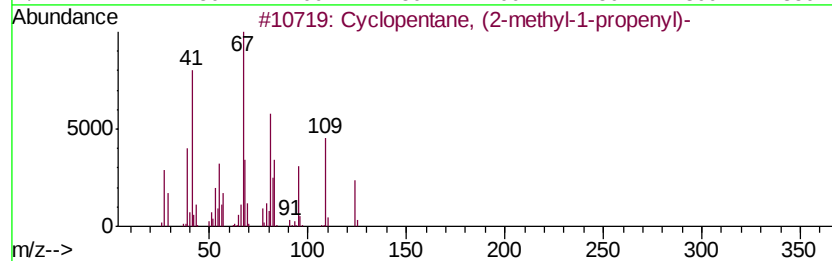
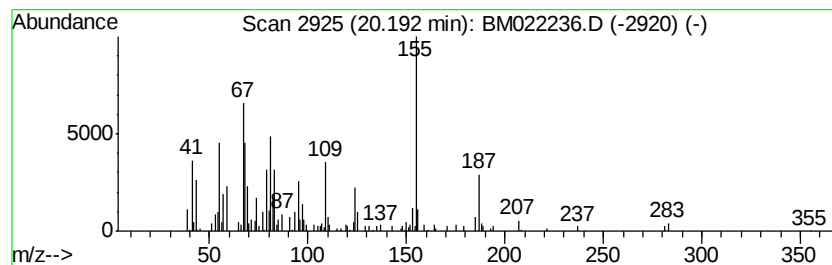
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopentane, (2-methyl-1-p... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	7.68 ng	197821	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, (2-methyl-1-propen...	124	C9H16	053366-57-7	55
2		cis-1,4-Dimethyl-2-methylenecycl...	124	C9H16	019781-46-5	46
3		4-Fluoro-3-nitrotoluene	155	C7H6FN02	000446-11-7	35
4		n-Octylidencyclohexane	194	C14H26	137595-12-1	35
5		2-Amino-3-hydroxy-5-nitropyridine	155	C5H5N3O3	1000289-29-0	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022236.D
Acq On : 21 Aug 2019 19:25
Operator : HP/JU
Sample : K4096-04 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TR-05-081919

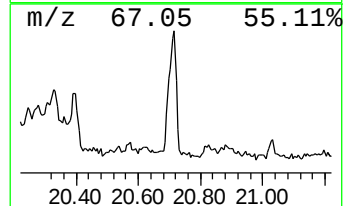
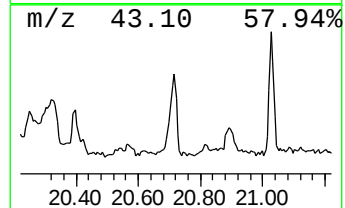
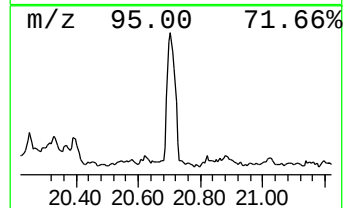
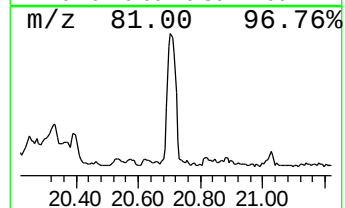
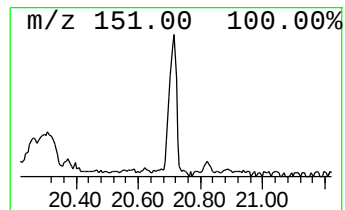
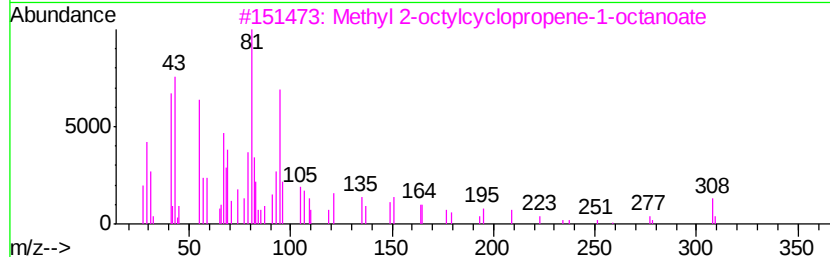
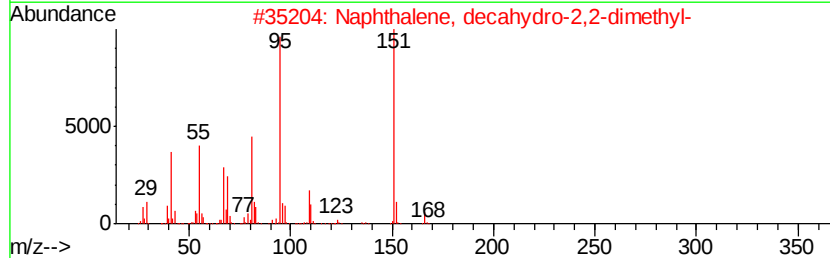
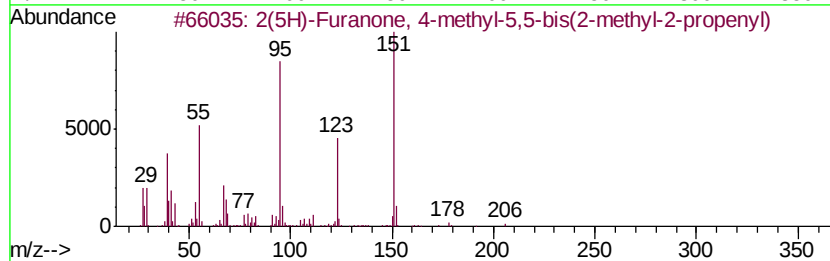
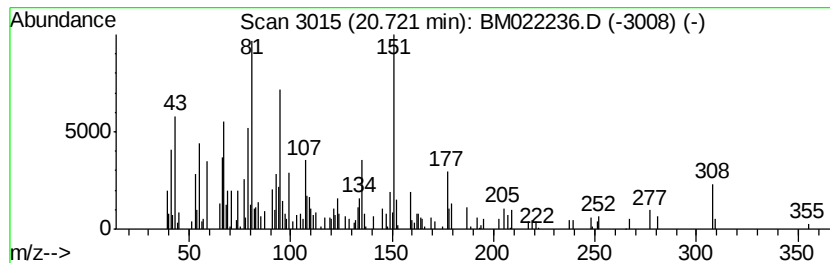
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown20.72 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.72	12.49 ng	321589	Chrysene-d12	21.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2(5H)-Furanone, 4-methyl-5,5-bis...	206	C13H18O2	099202-98-9	38
2		Naphthalene, decahydro-2,2-dimet...	166	C12H22	031124-85-3	38
3		Methyl 2-octylcyclopropene-1-oct...	308	C20H36O2	003220-60-8	35
4		Cyclopentene, 5-hexyl-3,3-dimethyl-	180	C13H24	061142-66-3	22
5		2,6-Dimethyl-3-aminobenzoquinone	151	C8H9NO2	090005-56-4	15



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082119\
 Data File : BM022236.D
 Acq On : 21 Aug 2019 19:25
 Operator : HP/JU
 Sample : K4096-04 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-05-081919

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082019.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
unknown7.10	7.10	13.2	ng	183910	1	7.56	279813	20.0
Tridecanoic acid,...	17.66	220.2	ng	4578530	4	16.99	415892	20.0
n-Hexadecanoic acid	17.89	12.4	ng	257979	4	16.99	415892	20.0
Methyl 9-cis,11-t...	18.81	612.6	ng	12738600	4	16.99	415892	20.0
9-Octadecenoic ac...	18.85	785.8	ng	16339800	4	16.99	415892	20.0
Methyl stearate	18.97	101.7	ng	2114010	4	16.99	415892	20.0
9,12-Octadecadien...	19.03	11.8	ng	244645	4	16.99	415892	20.0
Oleic Acid	19.06	34.3	ng	714068	4	16.99	415892	20.0
cis-10-Heptadecen...	19.96	8.5	ng	218526	5	21.19	515118	20.0
Methyl 18-methyln...	20.07	6.5	ng	168656	5	21.19	515118	20.0
1,2,3,4,4a,5,6,8a...	20.13	10.5	ng	269654	5	21.19	515118	20.0
Cyclopentane, (2-...	20.19	7.7	ng	197821	5	21.19	515118	20.0
unknown20.72	20.72	12.5	ng	321589	5	21.19	515118	20.0