

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\
 Data File : BM022208.D
 Acq On : 20 Aug 2019 12:32
 Operator : HP/JU
 Sample : K4330-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 0631-SITE-WATER-MUNICIPAL

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	5.181	368	373	384	rBV	385307	565197	13.27%	3.272%
2	6.757	635	641	654	rBV	283246	470277	11.04%	2.723%
3	7.104	694	700	711	rBV	747761	1157614	27.17%	6.702%
4	7.569	773	779	786	rBB	158243	238735	5.60%	1.382%
5	7.881	825	832	843	rBV	717389	1123811	26.38%	6.506%
6	8.739	971	978	997	rBV	515746	880693	20.67%	5.099%
7	10.345	1245	1251	1269	rBB	169018	300142	7.05%	1.738%
8	12.833	1667	1674	1695	rBB	1687619	2349335	55.15%	13.601%
9	13.704	1816	1822	1831	rBB	92497	140069	3.29%	0.811%
10	14.227	1904	1911	1918	rBV	294944	437414	10.27%	2.532%
11	15.733	2161	2167	2184	rBB	1477955	2055205	48.24%	11.898%
12	16.986	2375	2380	2388	rBV2	339984	512492	12.03%	2.967%
13	17.886	2527	2533	2542	rBV	123148	172231	4.04%	0.997%
14	18.462	2627	2631	2639	rVB	91726	109241	2.56%	0.632%
15	19.174	2748	2752	2757	rBV2	41671	57493	1.35%	0.333%
16	19.633	2824	2830	2835	rBV	3943047	4260015	100.00%	24.662%
17	20.427	2961	2965	2970	rBV2	47118	57081	1.34%	0.330%
18	20.897	3041	3045	3055	rBV2	96654	157595	3.70%	0.912%
19	21.197	3091	3096	3102	rBV	420423	539604	12.67%	3.124%
20	21.333	3115	3119	3123	rBV	82847	91855	2.16%	0.532%
21	21.756	3187	3191	3194	rBV	108827	118310	2.78%	0.685%
22	22.209	3263	3268	3277	rBV3	167432	290986	6.83%	1.685%
23	22.327	3284	3288	3293	rVB	204573	246832	5.79%	1.429%
24	22.691	3346	3350	3355	rVB	119711	158398	3.72%	0.917%
25	23.238	3439	3443	3449	rVB	103376	159771	3.75%	0.925%
26	23.397	3464	3470	3479	rVB	260069	478835	11.24%	2.772%
27	23.856	3543	3548	3557	rVB2	80120	144019	3.38%	0.834%

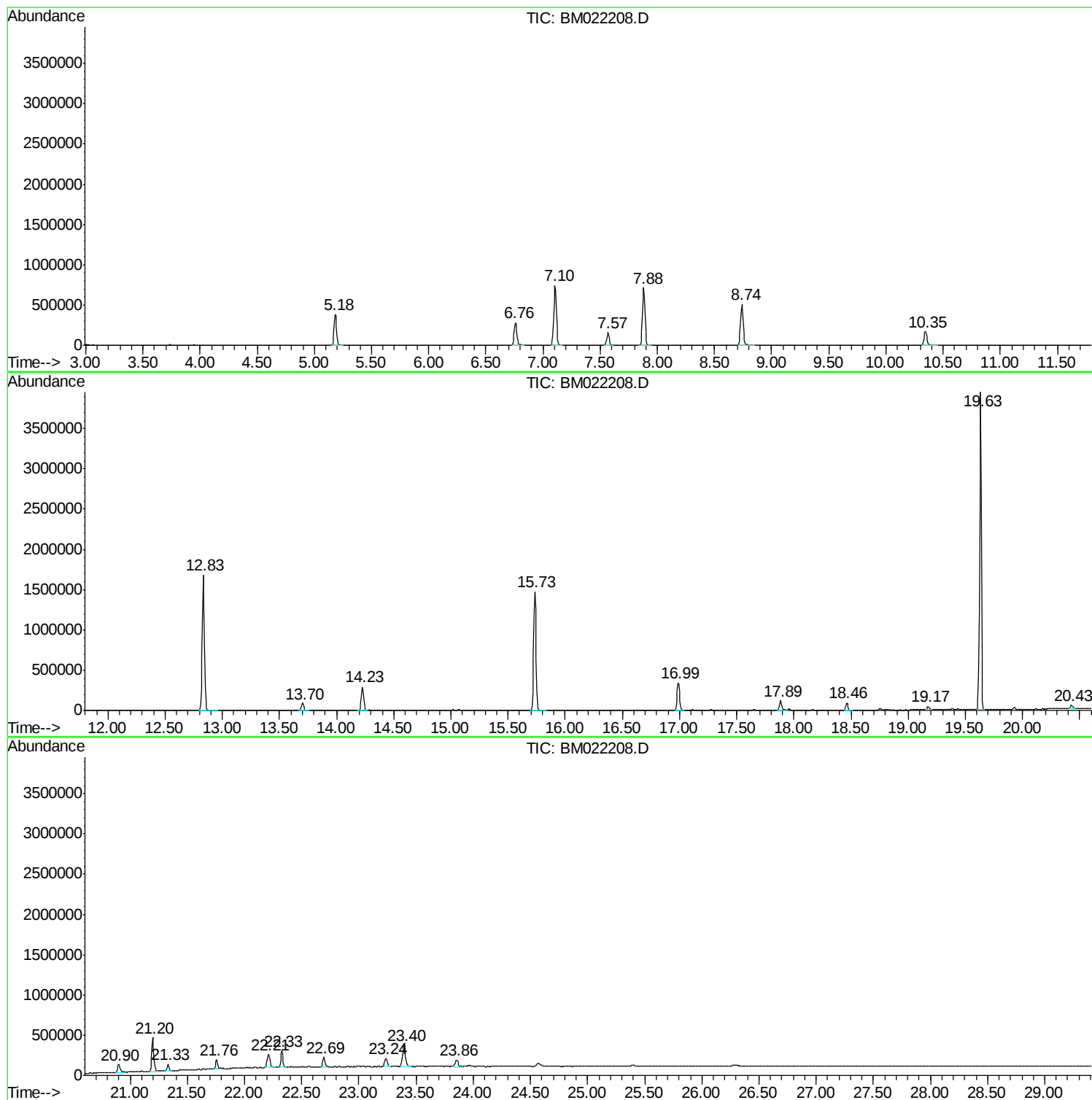
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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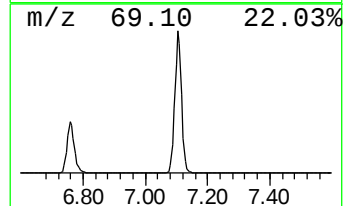
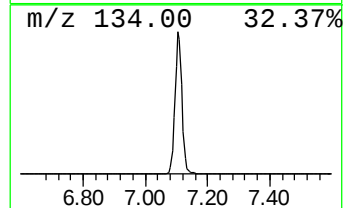
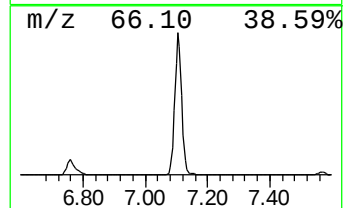
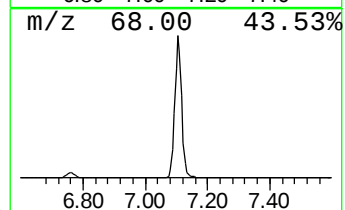
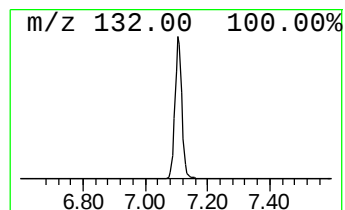
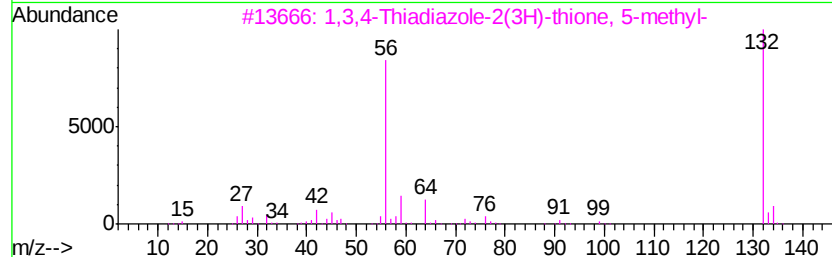
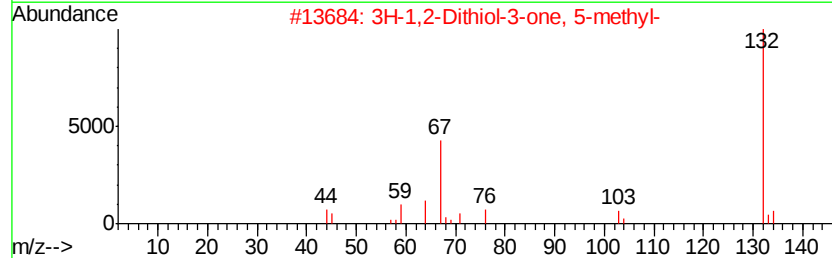
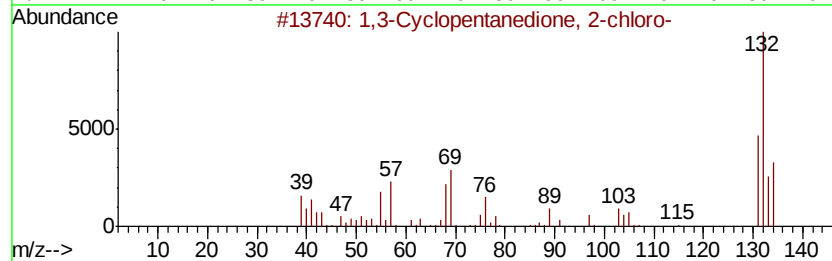
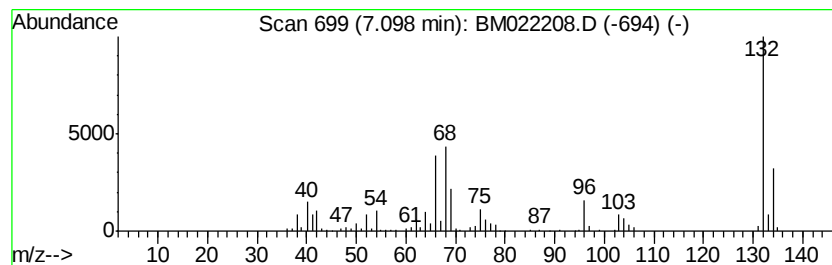
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	96.98 ng	1157610	1,4-Dichlorobenzene-d4	7.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	38
2		3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	27
3		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	27
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
5		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22



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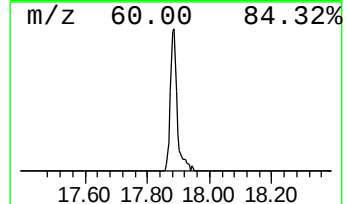
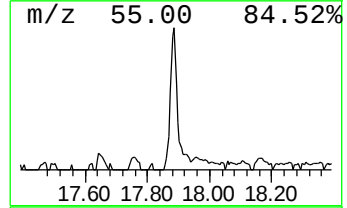
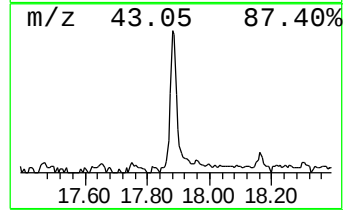
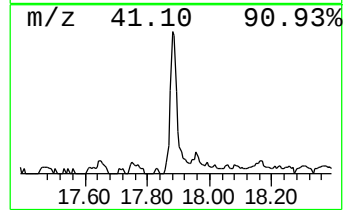
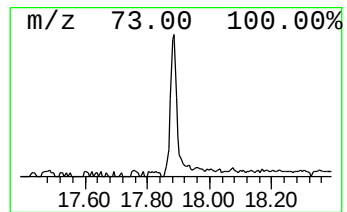
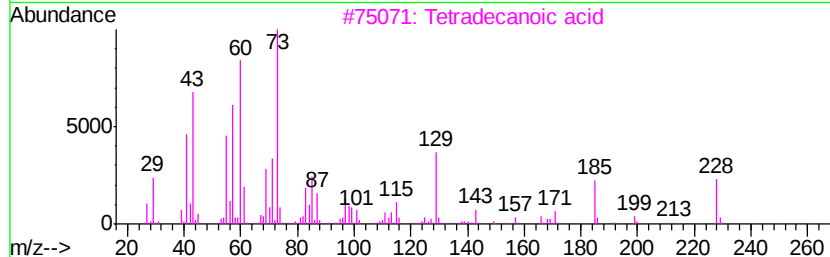
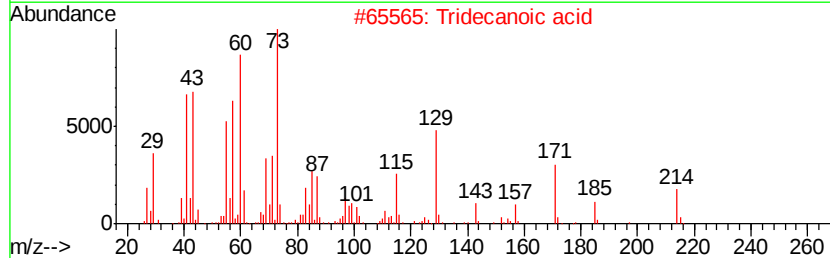
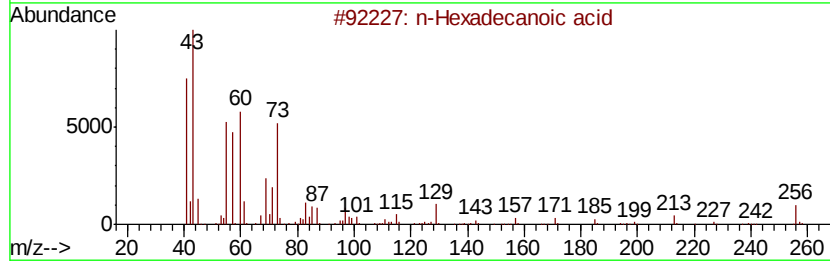
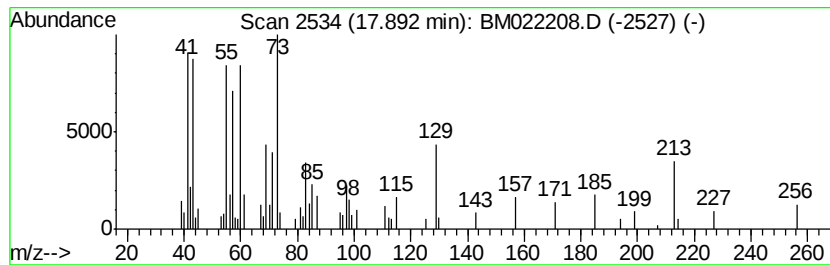
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.89	6.72 ng	172231	Phenanthrene-d10	16.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	52
4	n-Decanoic acid	172	C10H20O2	000334-48-5	50
5	Undecanoic acid	186	C11H22O2	000112-37-8	50



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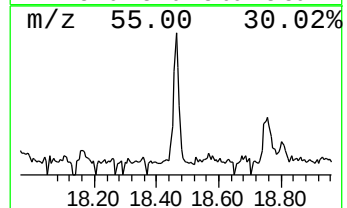
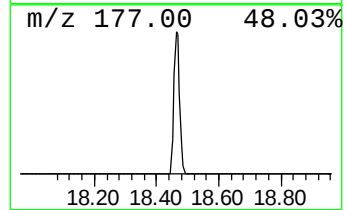
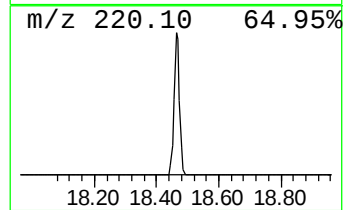
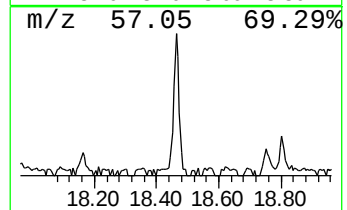
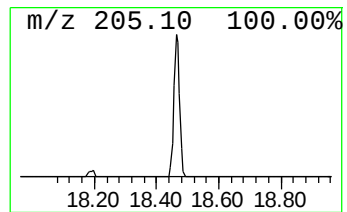
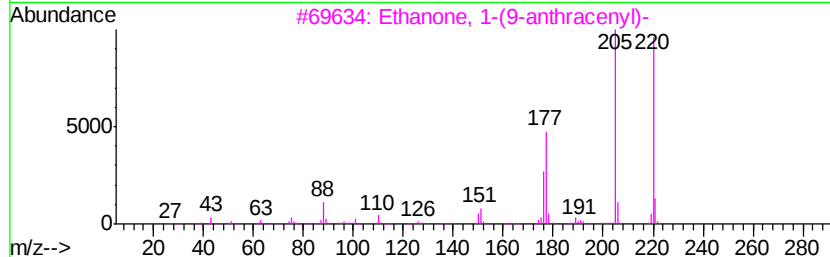
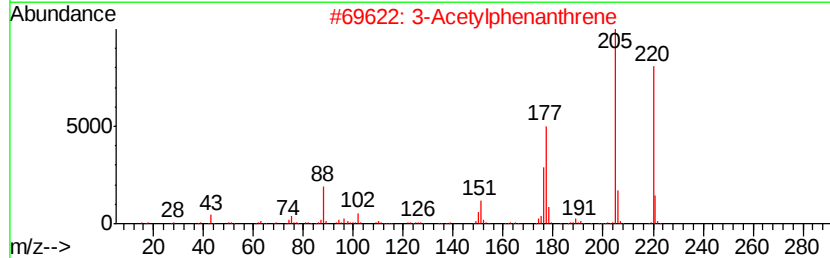
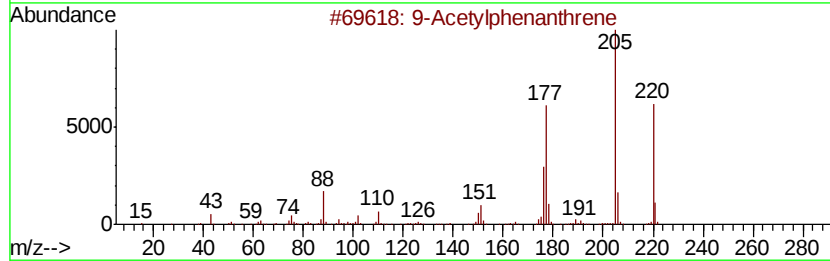
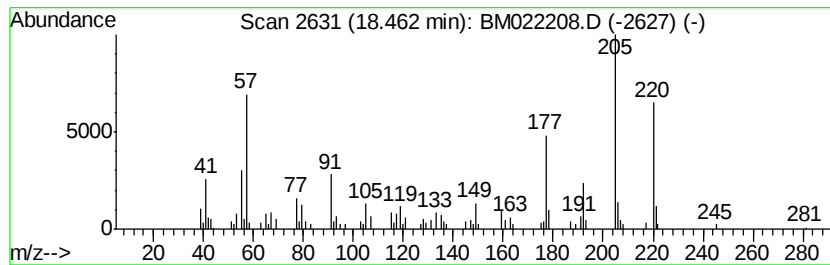
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Peak Number 4 9-Acetylphenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.46	4.26 ng	109241	Phenanthrene-d10	16.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Acetylphenanthrene	220	C16H12O	002039-77-2	81
2	3-Acetylphenanthrene	220	C16H12O	002039-76-1	81
3	Ethanone, 1-(9-anthracenyl)-	220	C16H12O	000784-04-3	72
4	Benzo[b]dihydropyran, 6-hydroxy-	220	C14H20O2	050442-70-1	58
5	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	58



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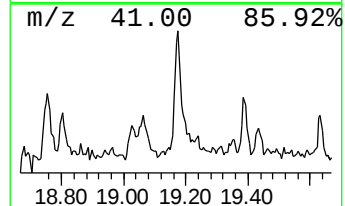
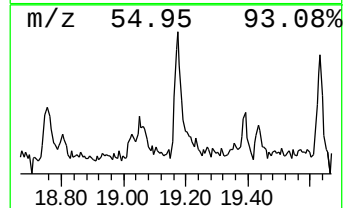
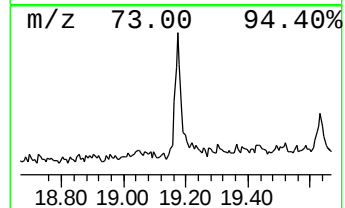
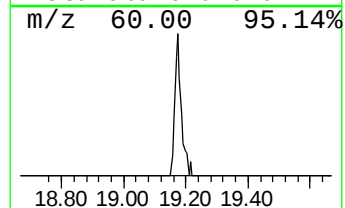
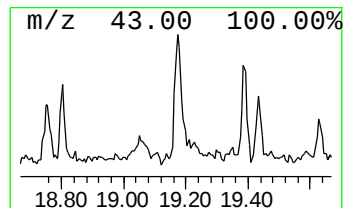
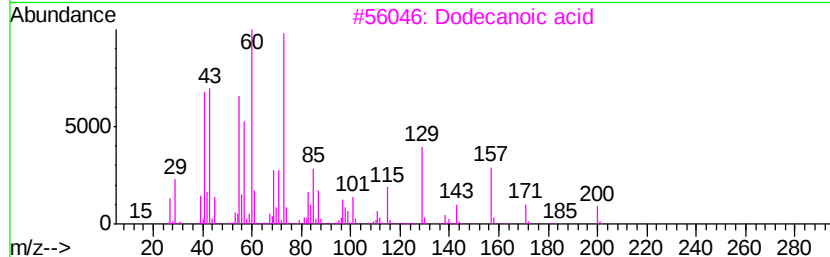
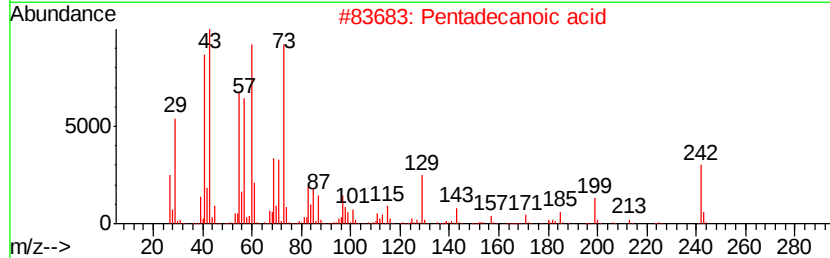
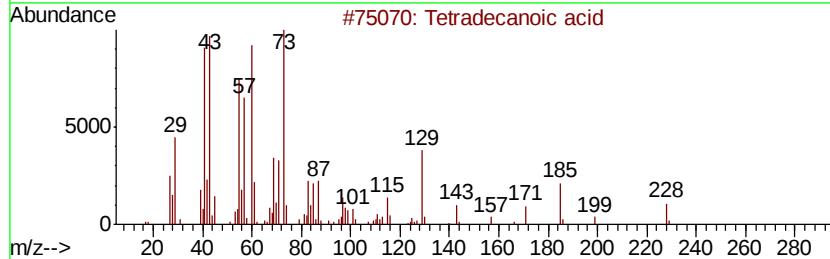
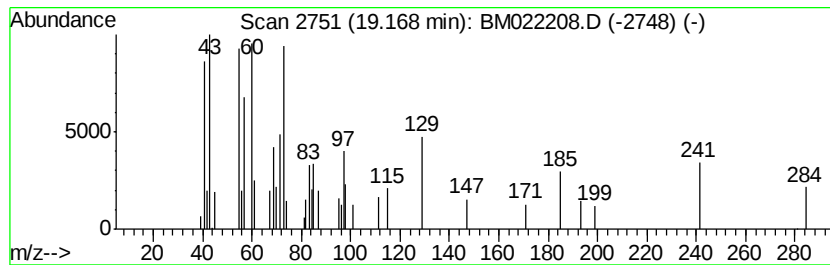
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Peak Number 5 Tetradecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	2.13 ng	57493	Chrysene-d12	21.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecanoic acid	228	C14H28O2	000544-63-8	62
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	50
3		Dodecanoic acid	200	C12H24O2	000143-07-7	43
4		Undecanoic acid	186	C11H22O2	000112-37-8	38
5		n-Decanoic acid	172	C10H20O2	000334-48-5	38



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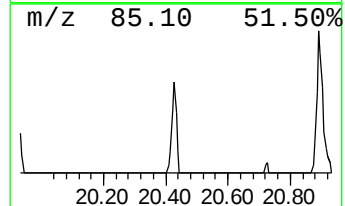
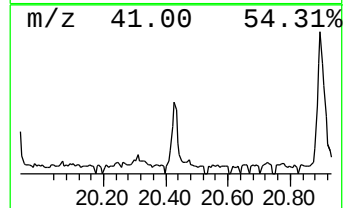
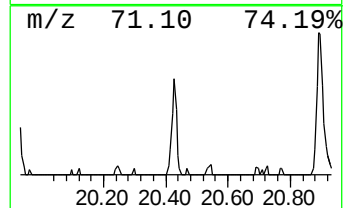
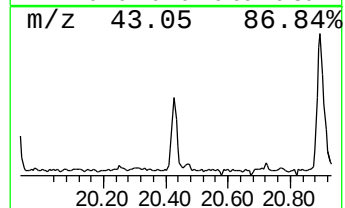
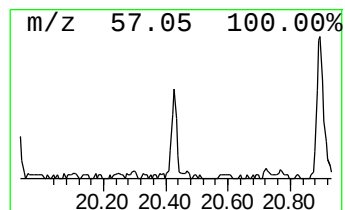
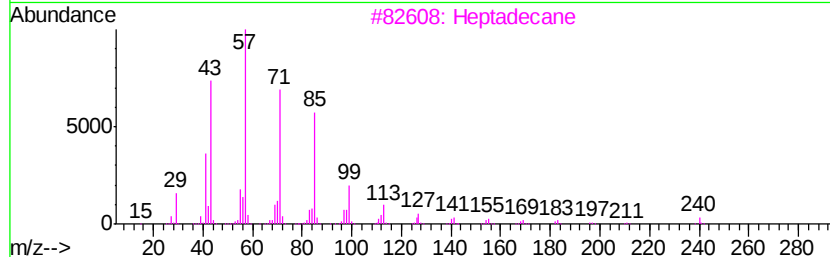
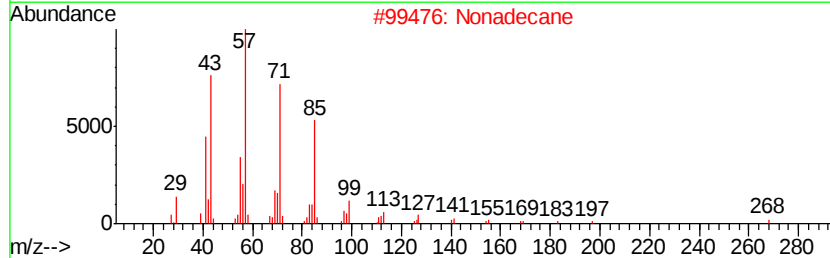
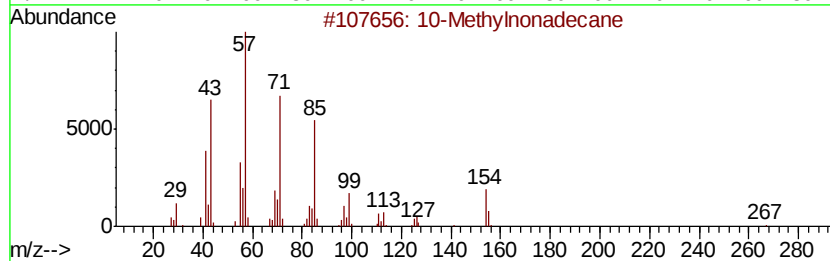
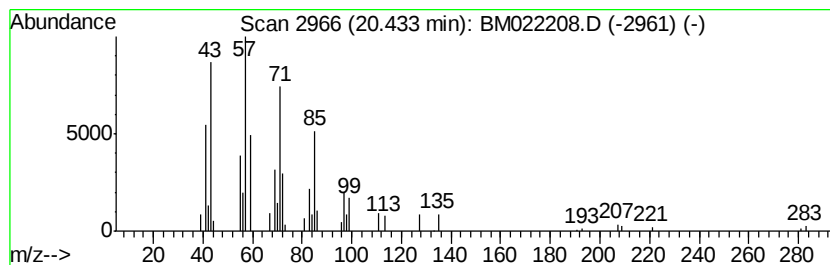
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Peak Number 6 10-Methylnonadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
20.43	2.12 ng	57081	Chrysene-d12		21.20
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	83
2	Nonadecane	268	C19H40	000629-92-5	83
3	Heptadecane	240	C17H36	000629-78-7	80
4	Docosane, 7-butyl-	366	C26H54	055282-15-0	80
5	Octadecane	254	C18H38	000593-45-3	72



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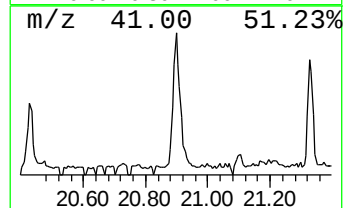
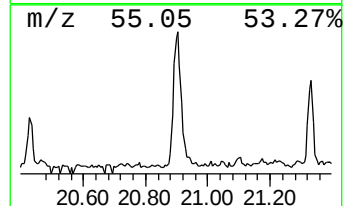
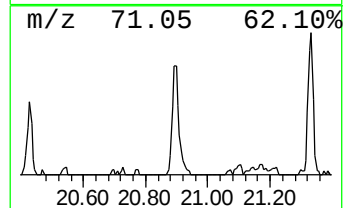
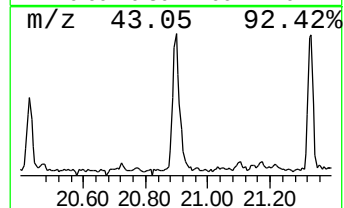
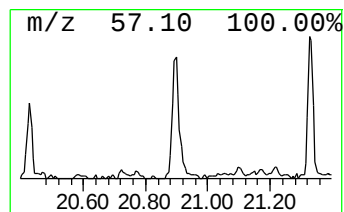
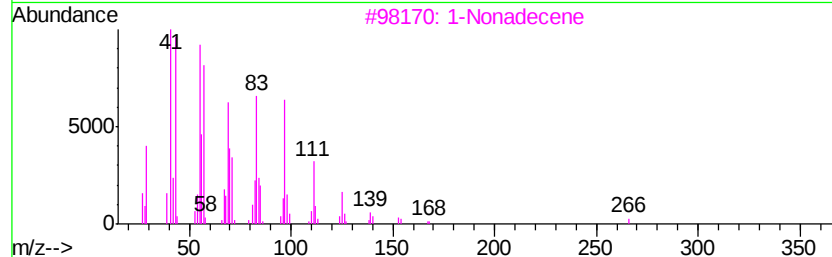
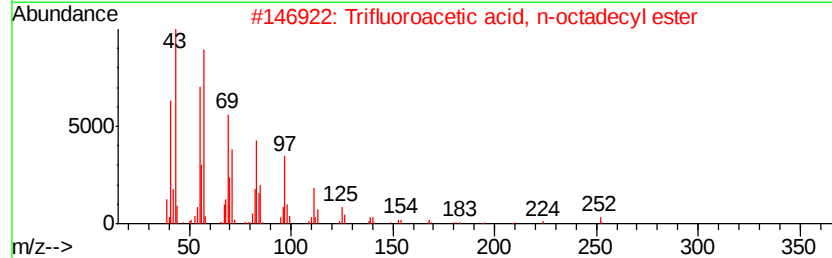
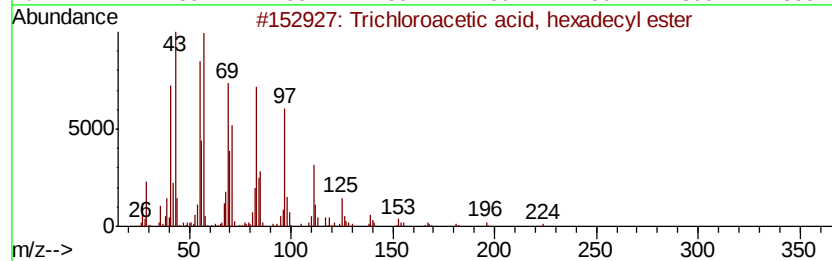
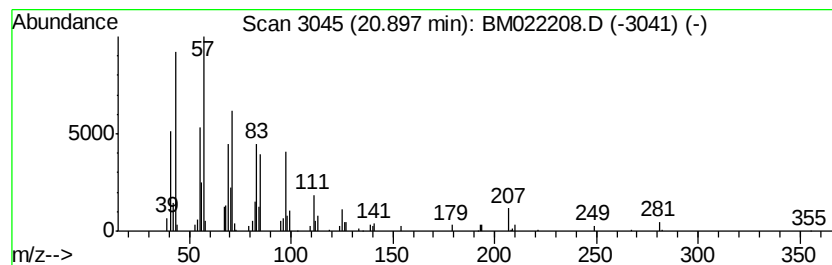
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0631-SITE-WATER-MUNICIPAL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Trichloroacetic acid, hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.90	5.84 ng	157595	Chrysene-d12	21.20		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	58
2		Trifluoroacetic acid, n-octadecyl...	366	C20H37F3O2	079392-43-1	55
3		1-Nonadecene	266	C19H38	018435-45-5	53
4		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	52
5		Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\
Data File : BM022208.D
Acq On : 20 Aug 2019 12:32
Operator : HP/JU
Sample : K4330-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

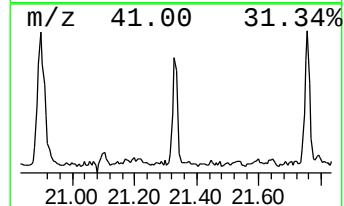
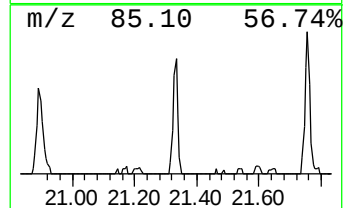
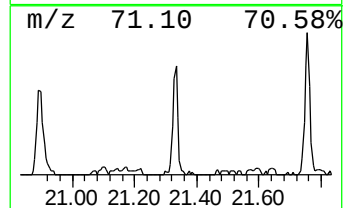
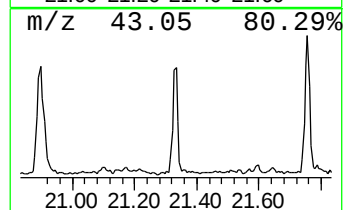
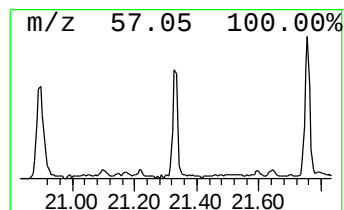
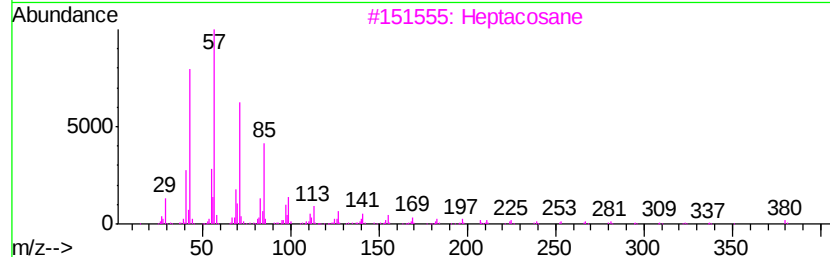
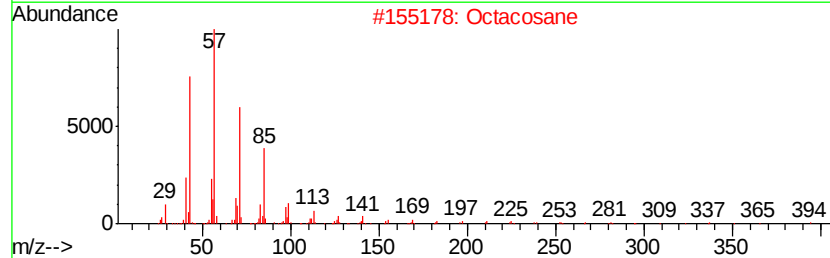
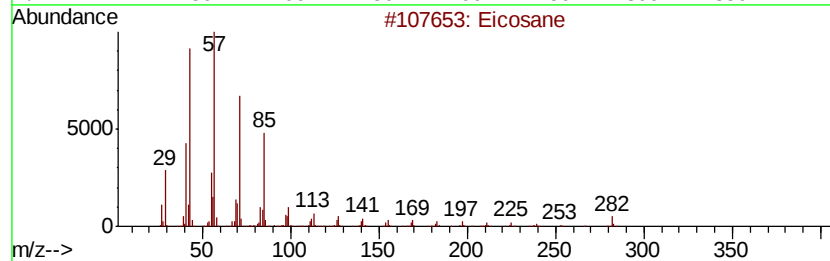
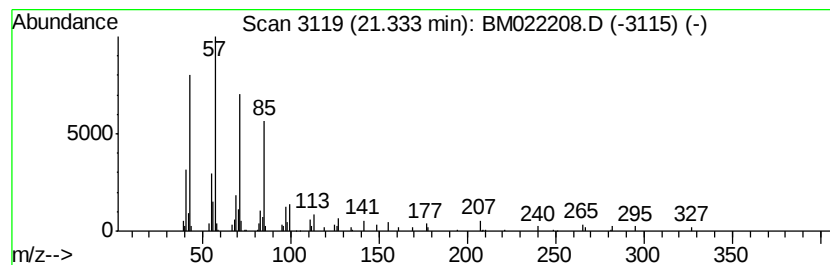
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Eicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
21.33	3.40 ng	91855	Chrysene-d12		21.20	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	93
2	Octacosane		394	C28H58	000630-02-4	87
3	Heptacosane		380	C27H56	000593-49-7	87
4	Heptadecane, 9-octyl-		352	C25H52	007225-64-1	87
5	Docosane, 11-butyl-		366	C26H54	013475-76-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\
Data File : BM022208.D
Acq On : 20 Aug 2019 12:32
Operator : HP/JU
Sample : K4330-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0631-SITE-WATER-MUNICIPAL

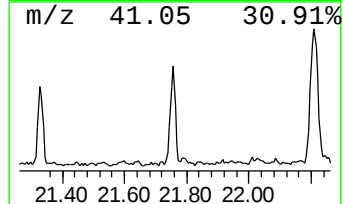
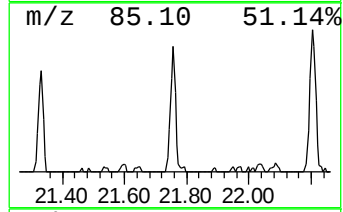
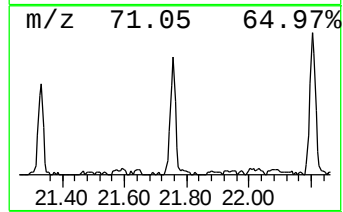
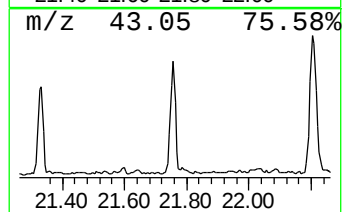
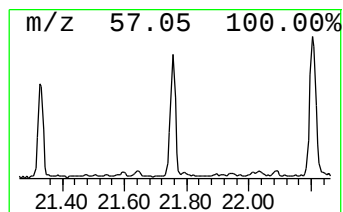
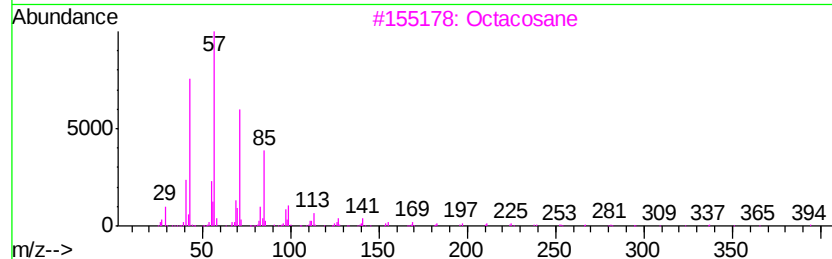
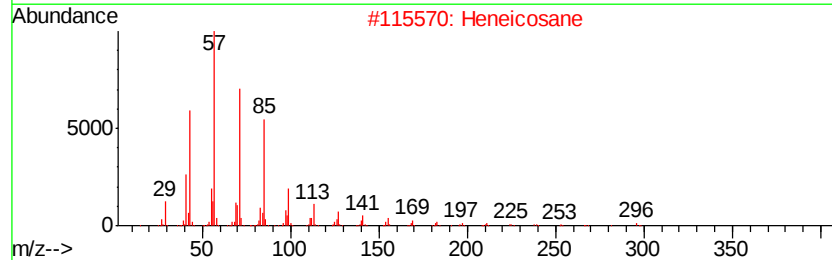
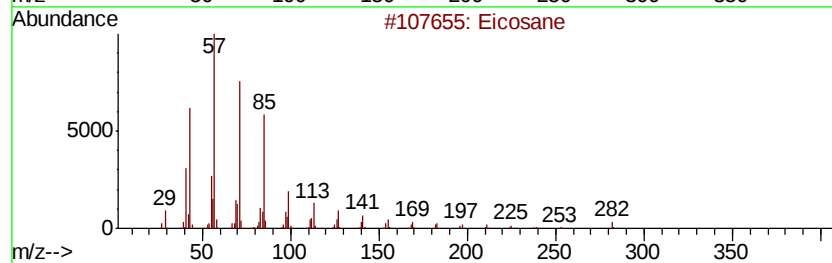
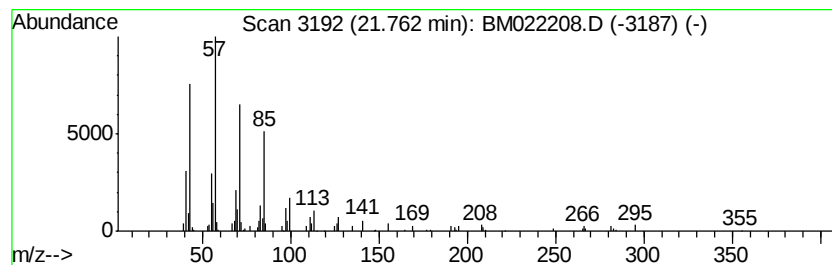
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	4.39 ng	118310	Chrysene-d12	21.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	94
2		Heneicosane	296	C21H44	000629-94-7	91
3		Octacosane	394	C28H58	000630-02-4	91
4		Heptacosane	380	C27H56	000593-49-7	91
5		Docosane, 11-butyl-	366	C26H54	013475-76-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\
Data File : BM022208.D
Acq On : 20 Aug 2019 12:32
Operator : HP/JU
Sample : K4330-02
Misc :
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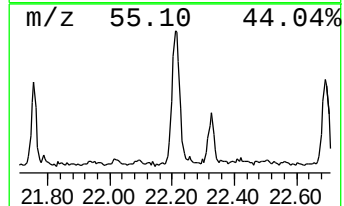
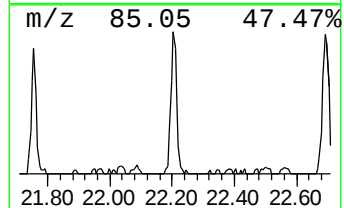
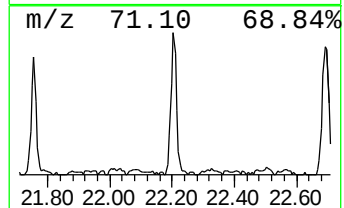
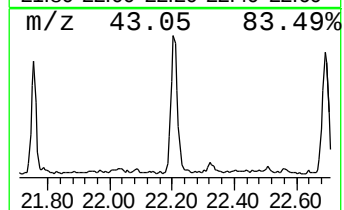
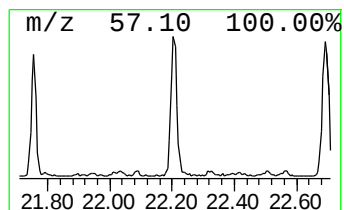
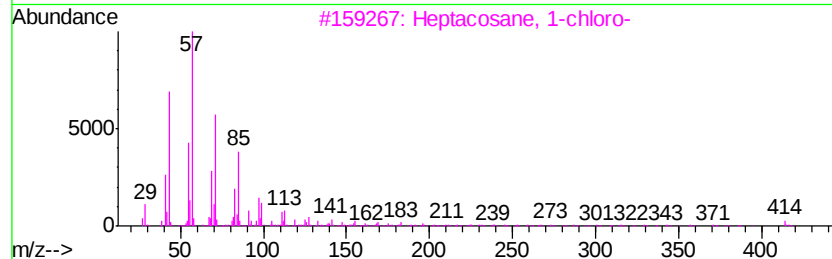
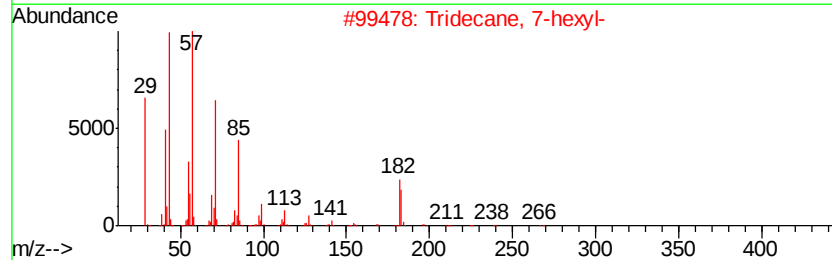
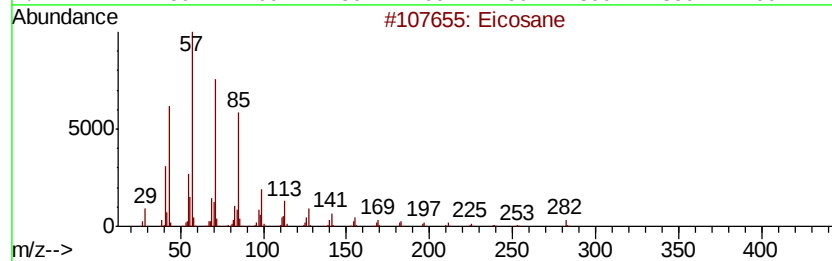
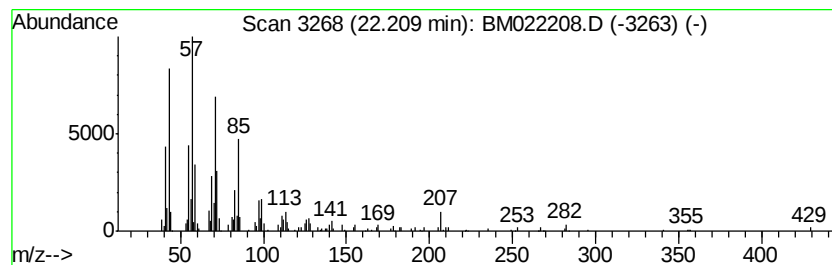
Instrument :
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ClientSampleId :
0631-SITE-WATER-MUNICIPAL

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

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

Peak Number 10 Tridecane, 7-hexyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.21	10.79 ng	290986	Chrysene-d12	21.20
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Eicosane	282 C20H42	000112-95-8	95
2	Tridecane, 7-hexyl-	268 C19H40	007225-66-3	78
3	Heptacosane, 1-chloro-	414 C27H55Cl	062016-79-9	64
4	Hexadecane	226 C16H34	000544-76-3	60
5	Octadecane, 1-chloro-	288 C18H37Cl	003386-33-2	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\
Data File : BM022208.D
Acq On : 20 Aug 2019 12:32
Operator : HP/JU
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Instrument :
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ClientSampleId :
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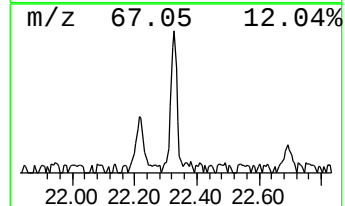
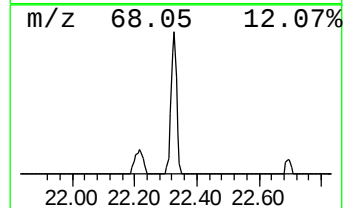
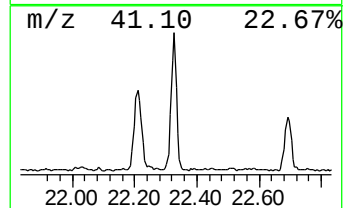
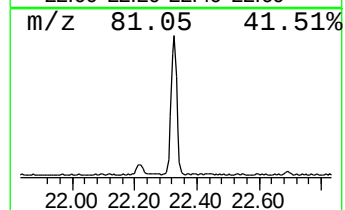
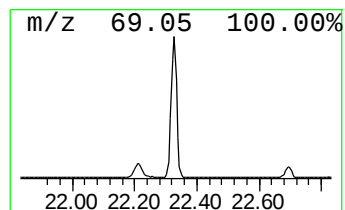
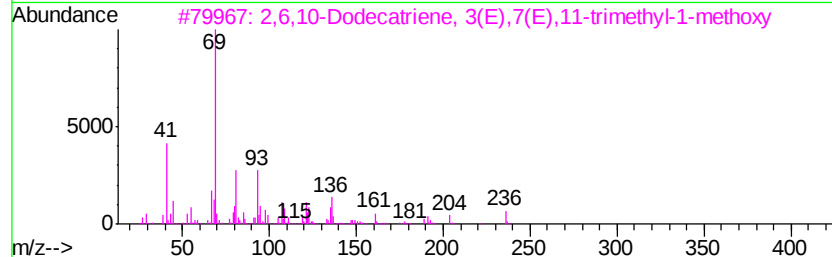
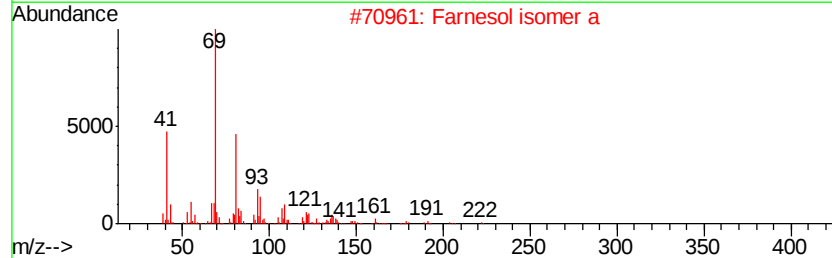
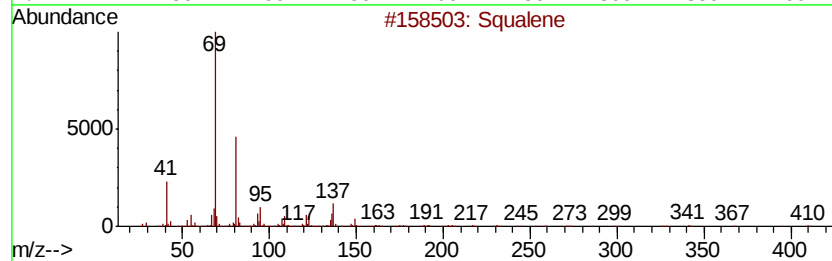
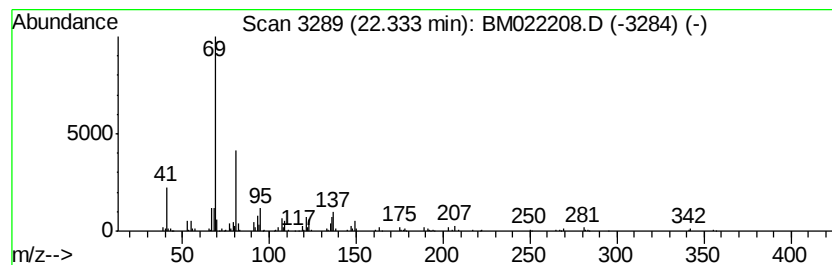
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Squalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.33	10.31 ng	246832	Perylene-d12	23.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Squalene	410	C30H50	007683-64-9	91
2		Farnesol isomer a	222	C15H26O	1000108-92-4	87
3		2,6,10-Dodecatriene, 3(E),7(E),1...	236	C16H28O	1000159-57-9	78
4		2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	78
5		7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\
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Acq On : 20 Aug 2019 12:32
Operator : HP/JU
Sample : K4330-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

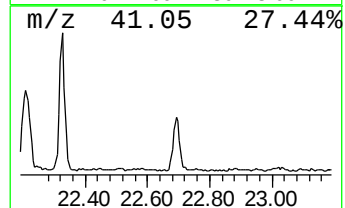
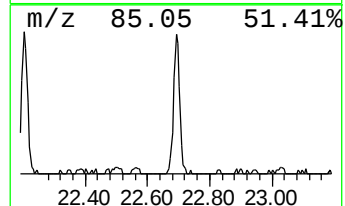
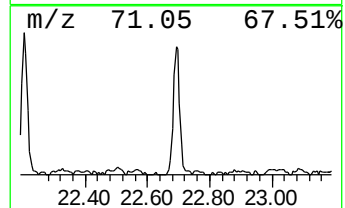
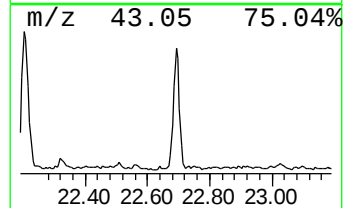
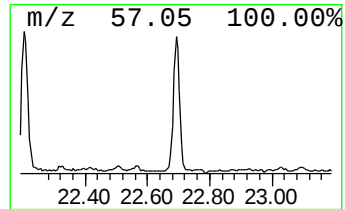
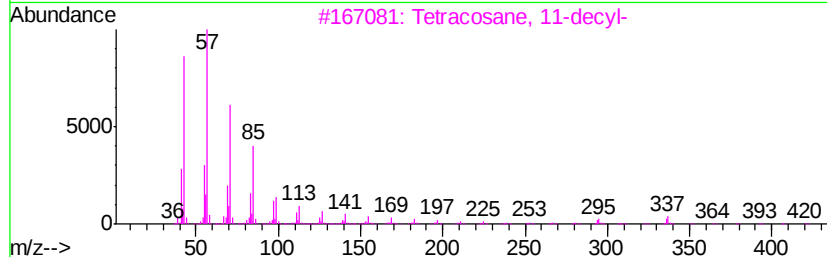
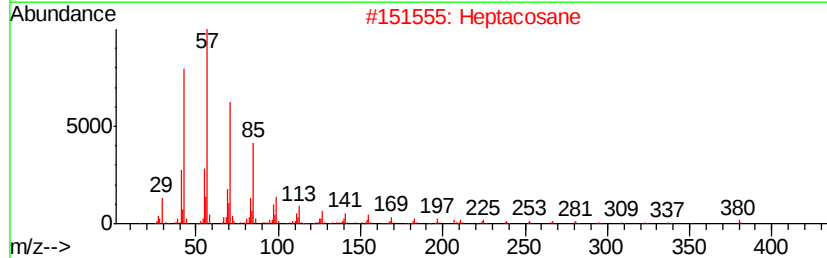
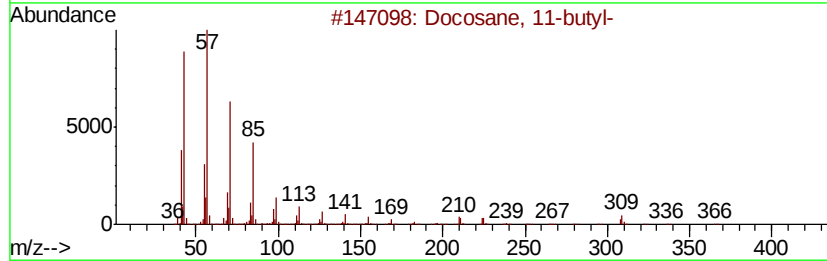
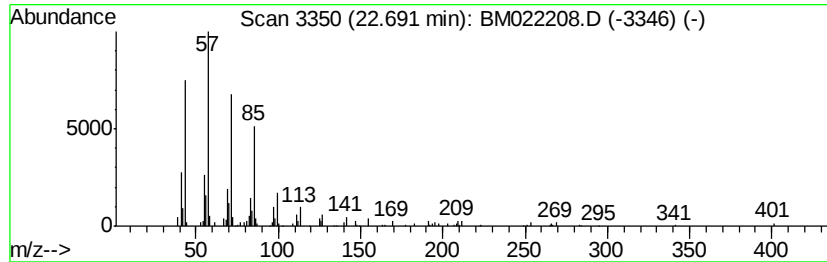
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Docosane, 11-butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
22.69	6.62 ng	158398	Perylene-d12	23.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	90
2	Heptacosane	380	C27H56	000593-49-7	90
3	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	90
4	Nonadecane	268	C19H40	000629-92-5	90
5	Octacosane	394	C28H58	000630-02-4	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\
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Acq On : 20 Aug 2019 12:32
Operator : HP/JU
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ClientSampleId :
0631-SITE-WATER-MUNICIPAL

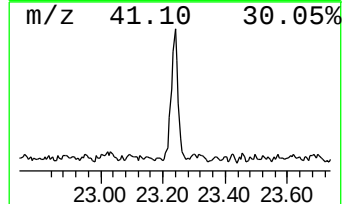
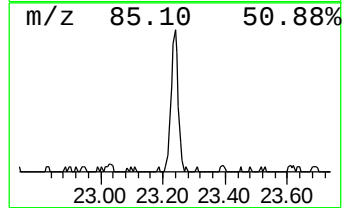
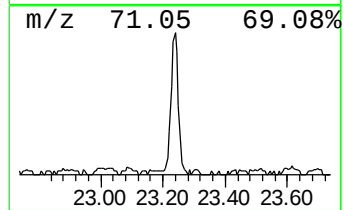
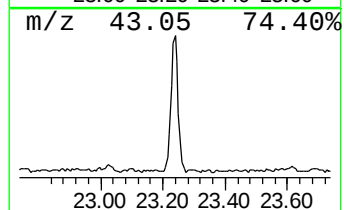
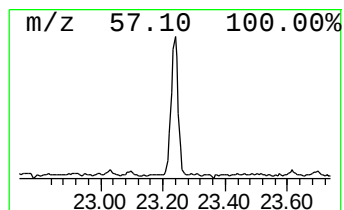
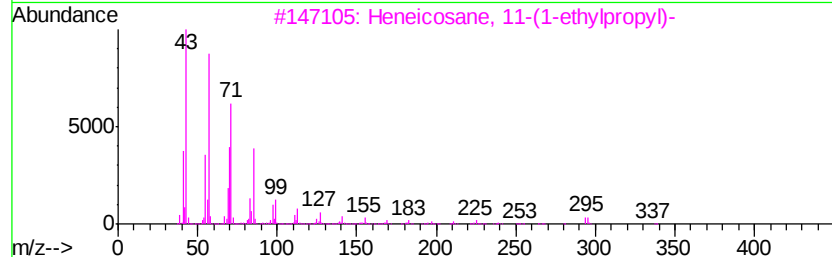
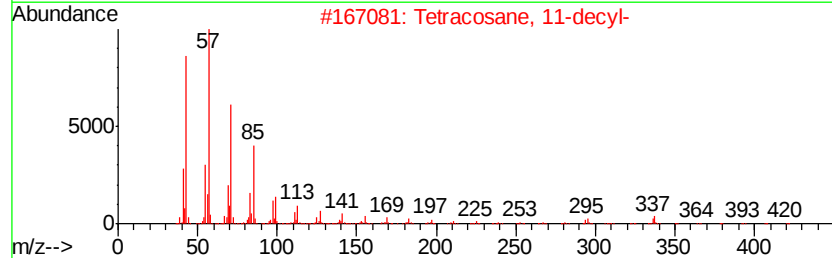
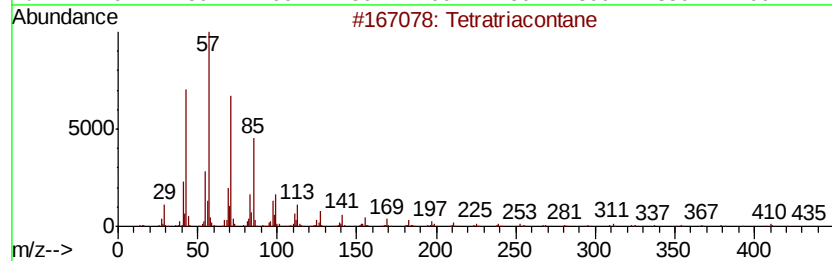
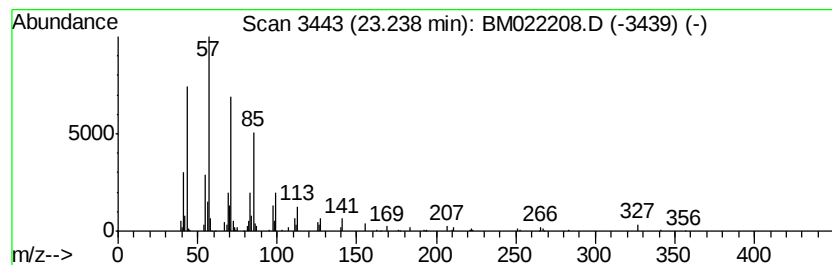
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Tetratriacontane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.24	6.67 ng	159771	Perylene-d12	23.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetratriacontane	479	C34H70	014167-59-0	91
2			Tetracosane, 11-decyl-	479	C34H70	055429-84-0	91
3			Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
4			Heneicosane	296	C21H44	000629-94-7	87
5			Tetratetracontane	619	C44H90	007098-22-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082019\
Data File : BM022208.D
Acq On : 20 Aug 2019 12:32
Operator : HP/JU
Sample : K4330-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
0631-SITE-WATER-MUNICIPAL

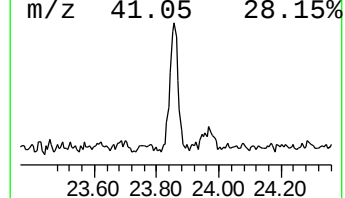
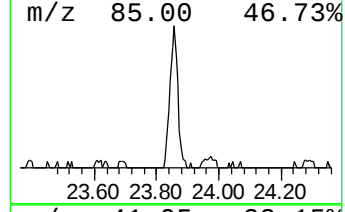
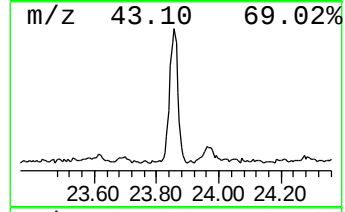
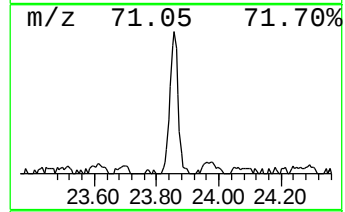
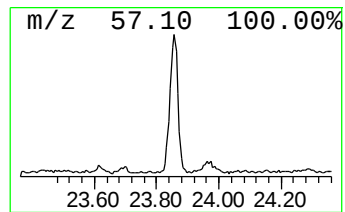
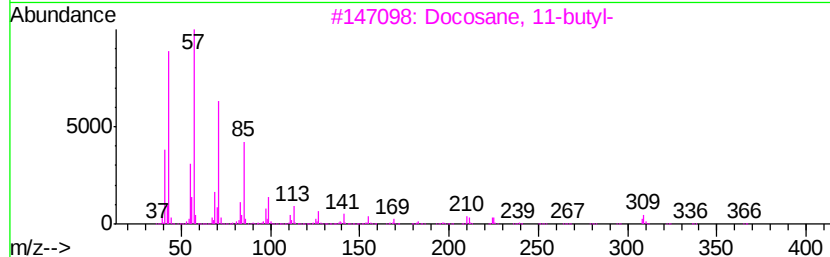
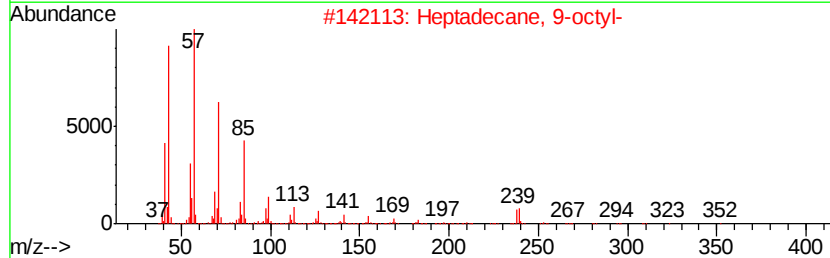
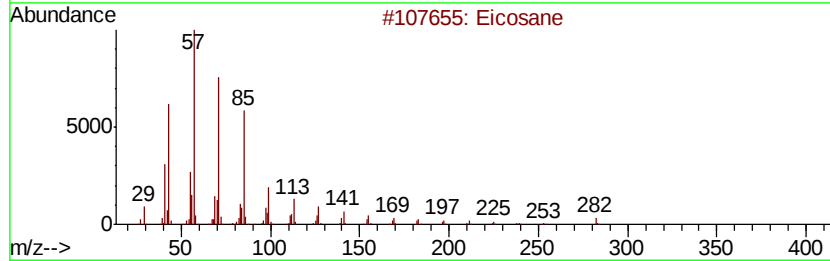
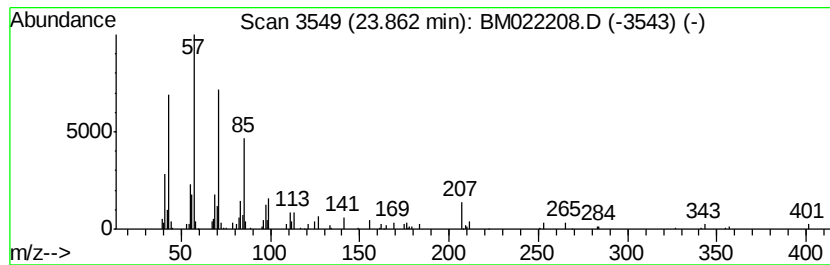
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heptadecane, 9-octyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.86	6.02 ng	144019	Perylene-d12	23.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	95
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
3		Docosane, 11-butyl-	366	C26H54	013475-76-8	90
4		Eicosane, 9-octyl-	394	C28H58	013475-77-9	87
5		Nonacosane	408	C29H60	000630-03-5	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082019\
 Data File : BM022208.D
 Acq On : 20 Aug 2019 12:32
 Operator : HP/JU
 Sample : K4330-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 0631-SITE-WATER-MUNICIPAL

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown7.10	7.10	97.0	ng	1157610	1	7.57	238735	20.0
n-Hexadecanoic acid	17.89	6.7	ng	172231	4	16.99	512492	20.0
9-Acetylphenanthrene	18.46	4.3	ng	109241	4	16.99	512492	20.0
Tetradecanoic acid	19.17	2.1	ng	57493	5	21.20	539604	20.0
10-Methylnonadecane	20.43	2.1	ng	57081	5	21.20	539604	20.0
Trichloroacetic a...	20.90	5.8	ng	157595	5	21.20	539604	20.0
Eicosane	21.33	3.4	ng	91855	5	21.20	539604	20.0
Heneicosane	21.76	4.4	ng	118310	5	21.20	539604	20.0
Tridecane, 7-hexyl-	22.21	10.8	ng	290986	5	21.20	539604	20.0
Squalene	22.33	10.3	ng	246832	6	23.40	478835	20.0
Docosane, 11-butyl-	22.69	6.6	ng	158398	6	23.40	478835	20.0
Tetratriacontane	23.24	6.7	ng	159771	6	23.40	478835	20.0
Heptadecane, 9-oc...	23.86	6.0	ng	144019	6	23.40	478835	20.0