

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
 Data File : BP001364.D
 Acq On : 23 Dec 2019 13:39
 Operator : JU
 Sample : K6379-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-F

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_P\METHODS\8270-BP121919.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	5.611	590	599	614	rBV	62539	95896	3.48%	0.527%
2	6.211	695	701	715	rBV	591452	734028	26.65%	4.033%
3	7.746	957	962	975	rBV	387223	485883	17.64%	2.670%
4	7.940	989	995	1009	rBV	1340369	1581258	57.42%	8.688%
5	8.299	1050	1056	1068	rBV	337728	382561	13.89%	2.102%
6	8.546	1091	1098	1102	rBV	1283302	1566167	56.87%	8.605%
7	9.187	1199	1207	1211	rBV	1023211	1289743	46.83%	7.086%
8	10.334	1396	1402	1414	rBV	372297	438927	15.94%	2.412%
9	12.122	1696	1706	1722	rBV	1838154	2309392	83.86%	12.689%
10	12.787	1814	1819	1826	rBV	36377	43151	1.57%	0.237%
11	13.198	1883	1889	1897	rBV	429762	520320	18.89%	2.859%
12	14.498	2103	2110	2130	rBV	1335120	1760579	63.93%	9.673%
13	15.598	2292	2297	2305	rVB	459429	558774	20.29%	3.070%
14	16.492	2444	2449	2464	rBV	157344	235769	8.56%	1.295%
15	17.234	2570	2575	2582	rBV3	19342	32795	1.19%	0.180%
16	17.581	2630	2634	2645	rBV	58167	88480	3.21%	0.486%
17	17.892	2681	2687	2691	rBV	2459598	2753813	100.00%	15.130%
18	18.257	2743	2749	2754	rVB	40054	52897	1.92%	0.291%
19	18.710	2822	2826	2830	rVB	65968	67966	2.47%	0.373%
20	19.128	2892	2897	2912	rBV2	258202	463317	16.82%	2.546%
21	19.251	2913	2918	2922	rBV	441453	508030	18.45%	2.791%
22	19.539	2963	2967	2977	rBV	99202	117353	4.26%	0.645%
23	19.933	3030	3034	3050	rVB	160557	222994	8.10%	1.225%
24	20.310	3093	3098	3109	rVB	231424	266859	9.69%	1.466%
25	20.704	3160	3165	3177	rBV	231782	319883	11.62%	1.758%
26	21.027	3214	3220	3232	rVB	343122	488788	17.75%	2.686%
27	21.145	3234	3240	3247	rVB	219994	324207	11.77%	1.781%
28	21.639	3318	3324	3331	rBV	136690	239711	8.70%	1.317%
29	21.710	3332	3336	3344	rBV6	30829	77532	2.82%	0.426%
30	22.216	3416	3422	3427	rBV	59930	125029	4.54%	0.687%
31	22.886	3530	3536	3544	rVB3	20370	48454	1.76%	0.266%

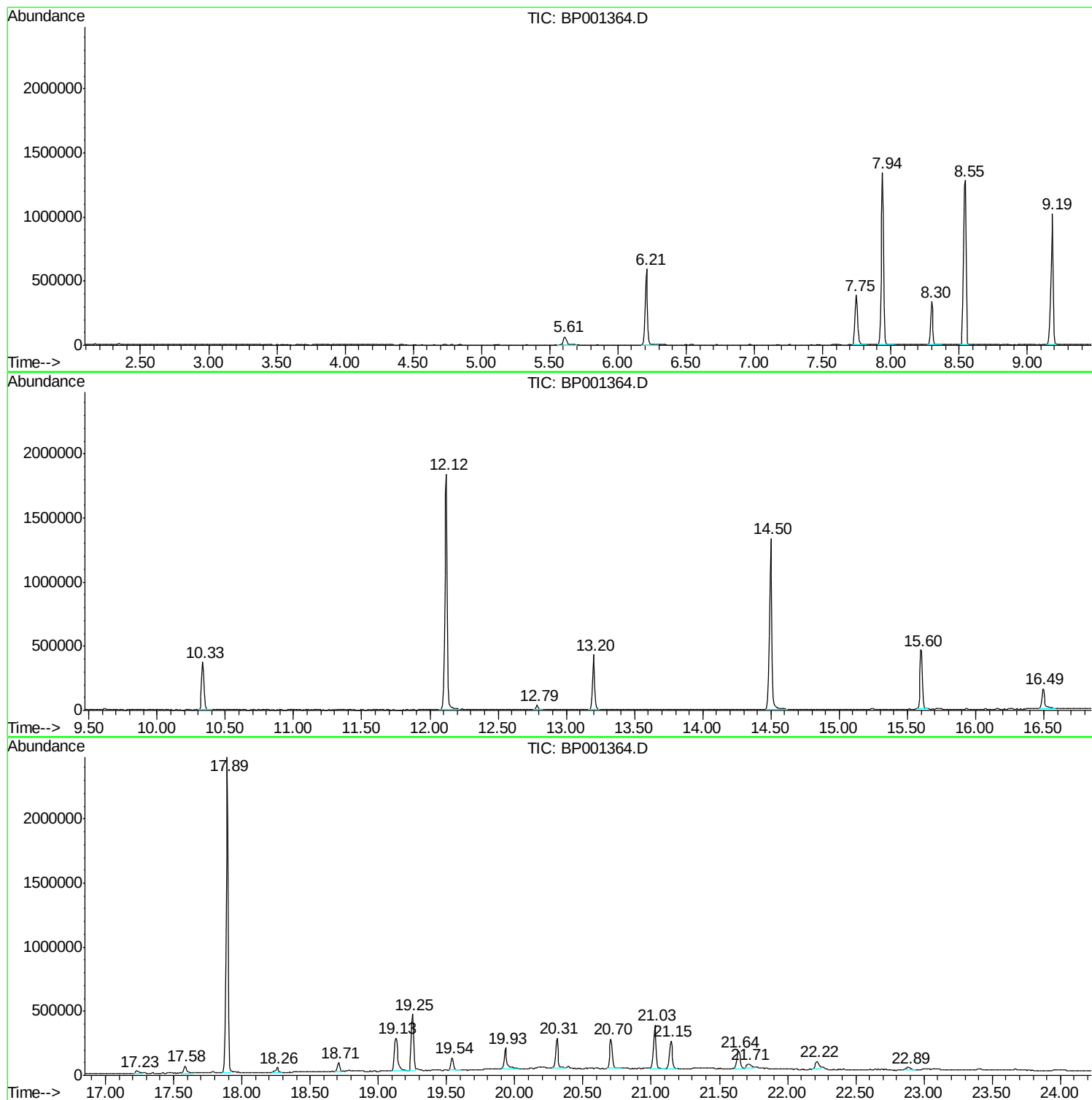
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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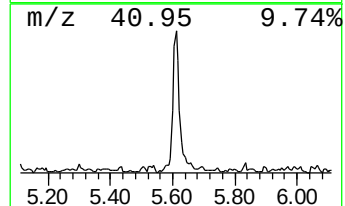
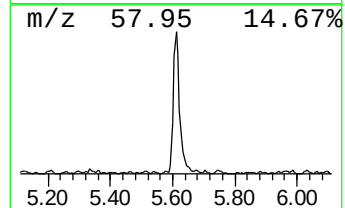
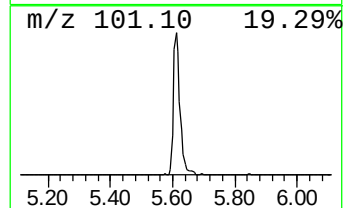
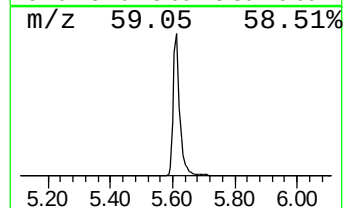
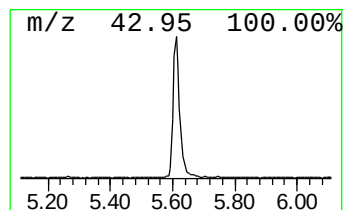
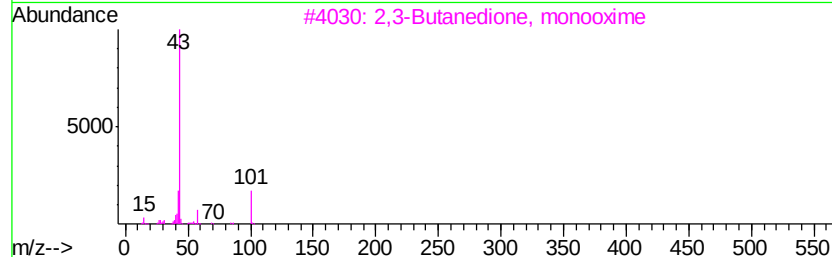
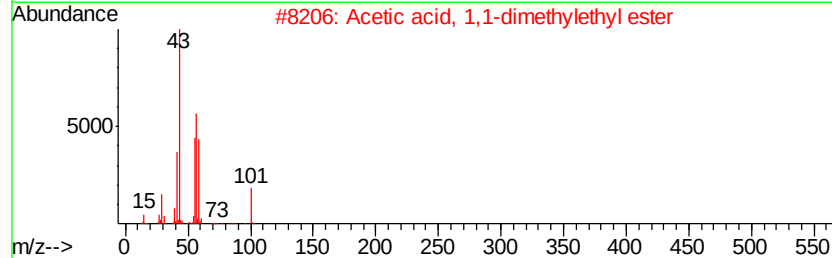
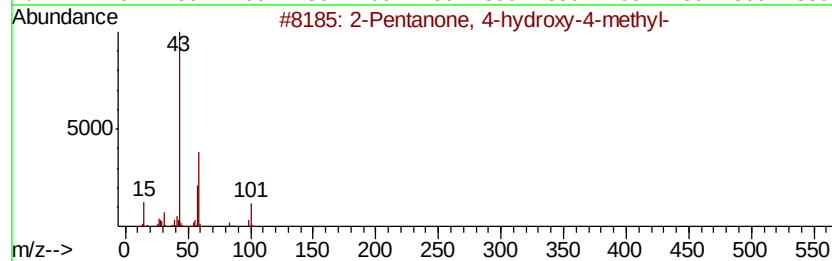
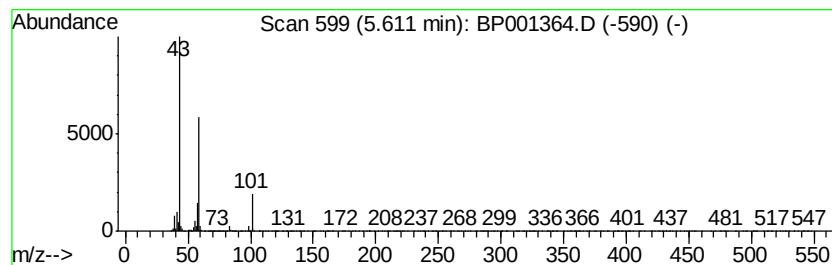
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	5.01 ng	95896	1,4-Dichlorobenzene-d4	8.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28



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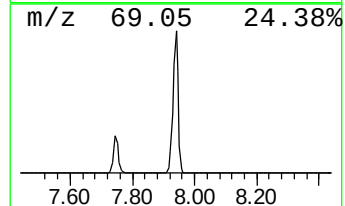
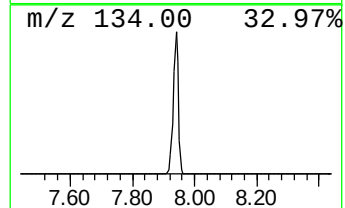
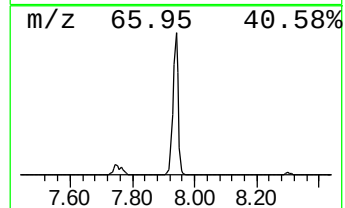
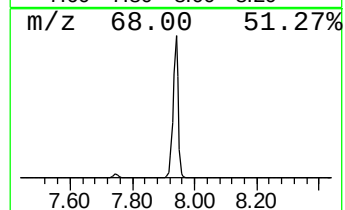
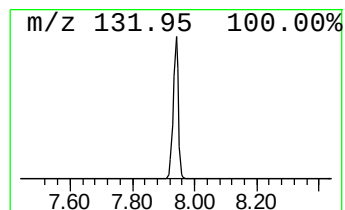
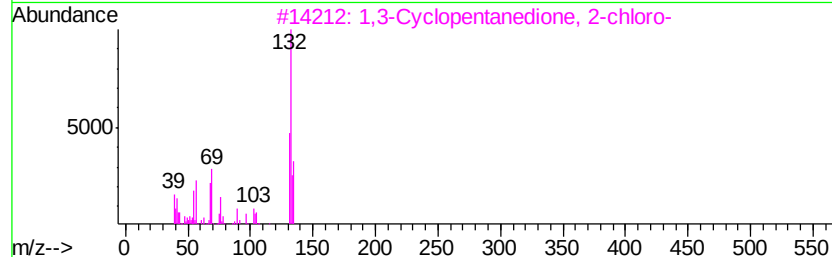
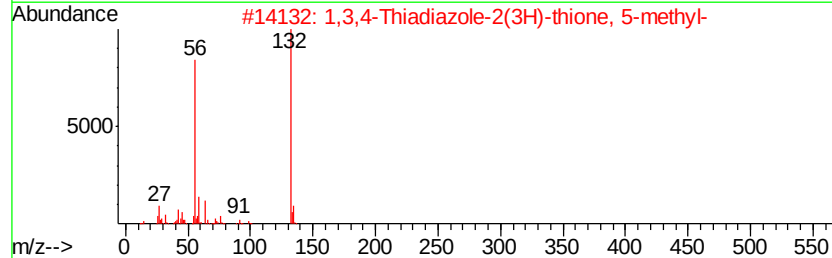
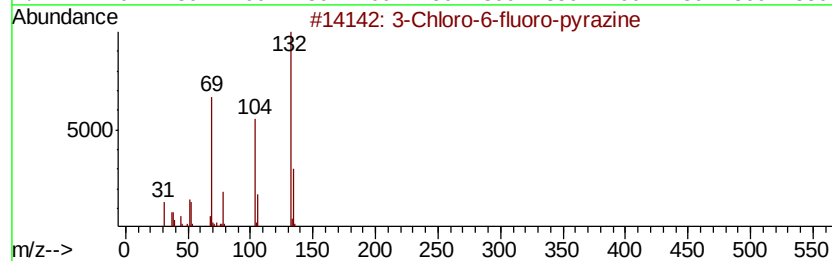
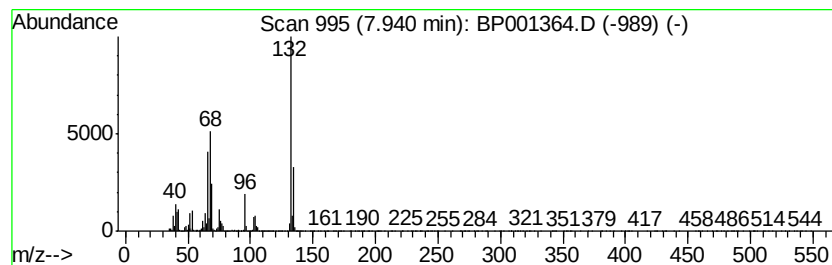
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown7.94 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	82.67 ng	1581260	1,4-Dichlorobenzene-d4	8.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
2		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	10
3		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	10
4		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	10



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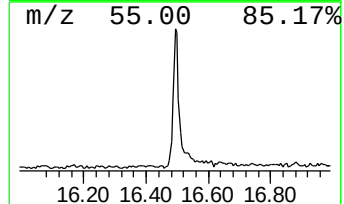
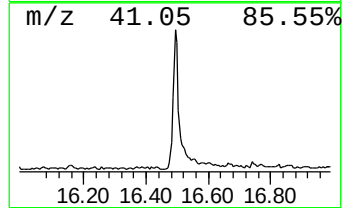
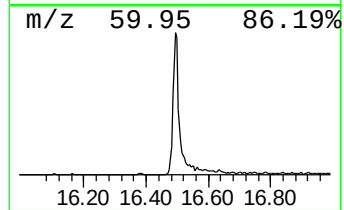
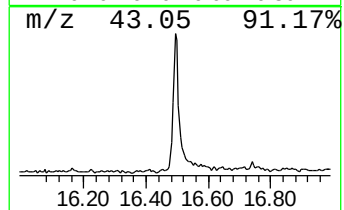
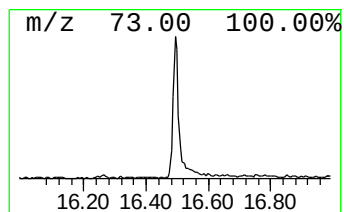
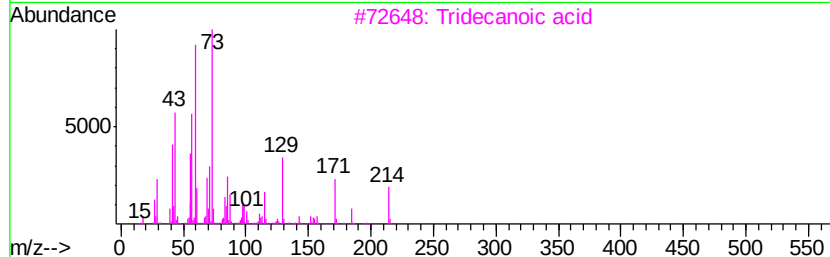
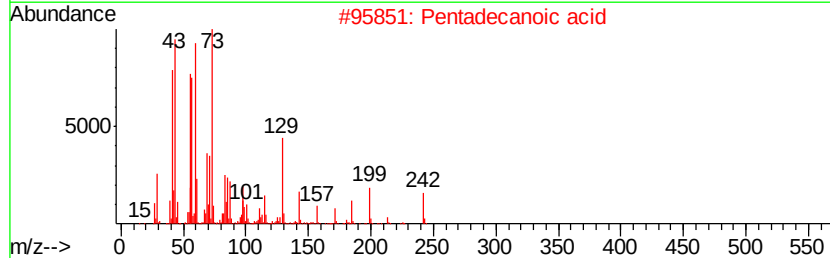
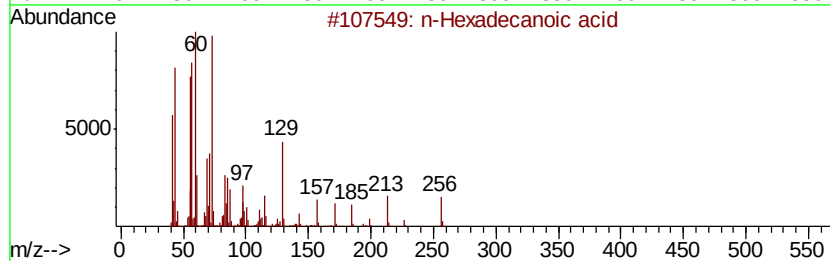
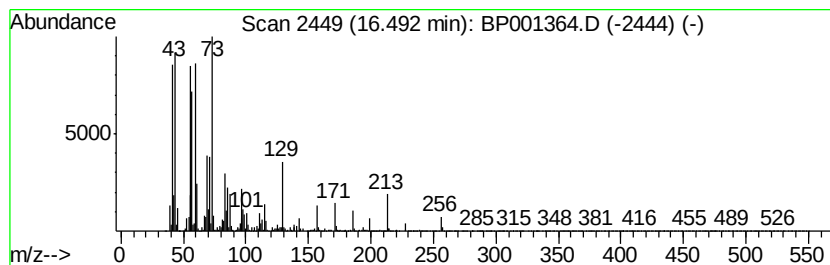
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.49	8.44 ng	235769	Phenanthrene-d10	15.60	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	50



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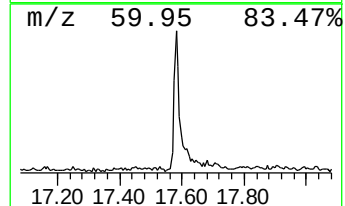
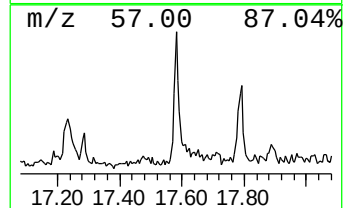
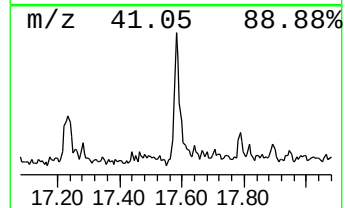
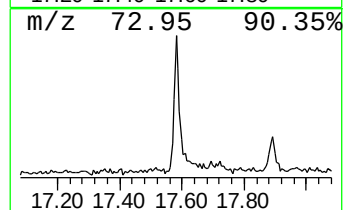
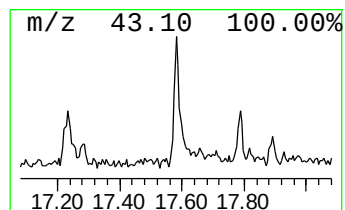
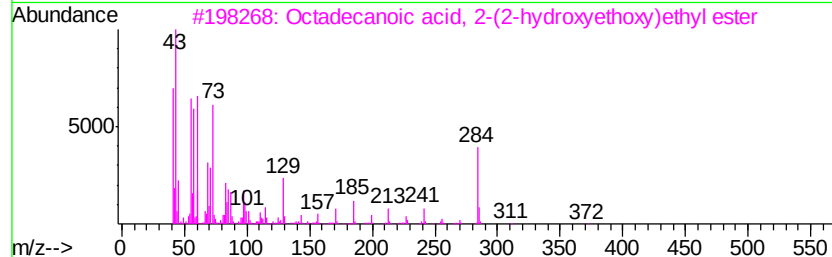
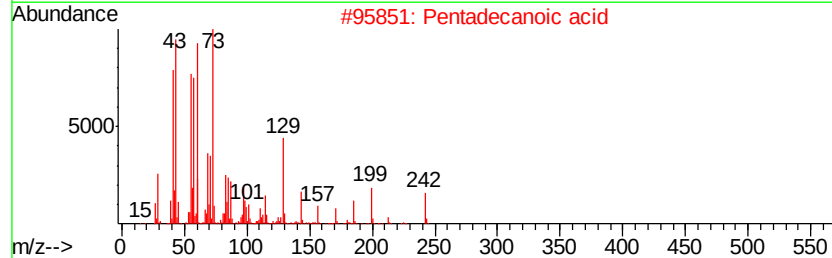
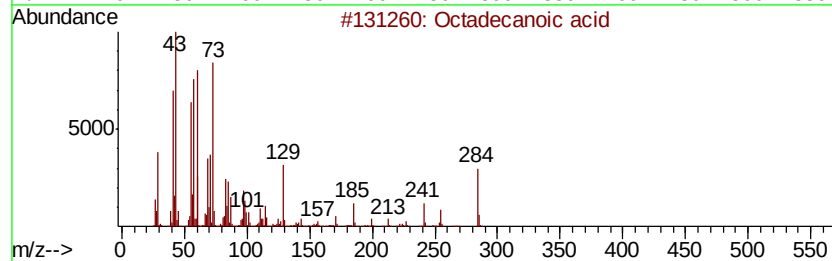
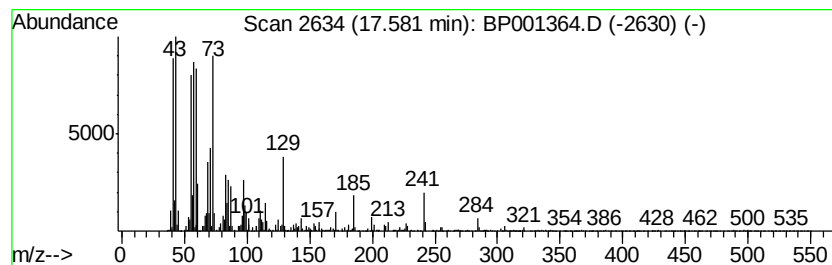
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.58	3.48 ng	88480	Chrysene-d12	19.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	98
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	87
4		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
5		Tetradecanoic acid	228	C14H28O2	000544-63-8	72



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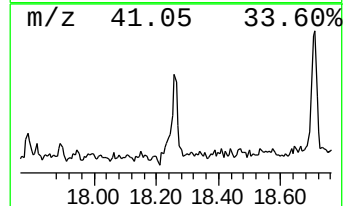
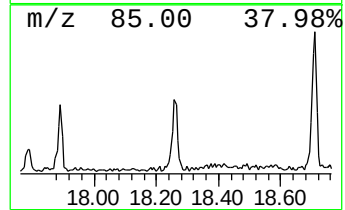
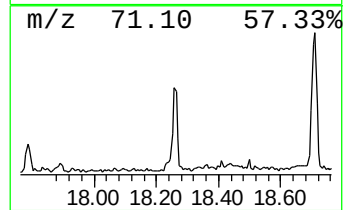
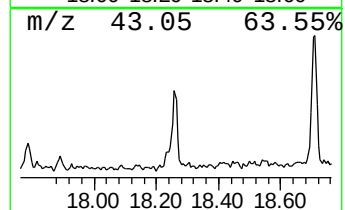
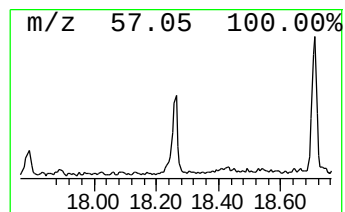
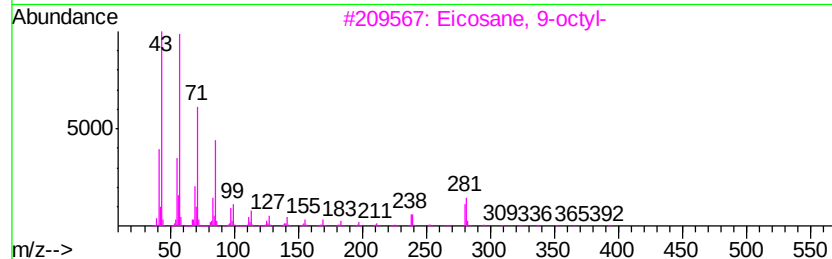
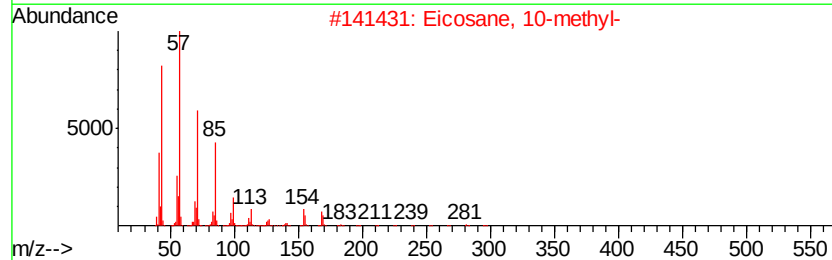
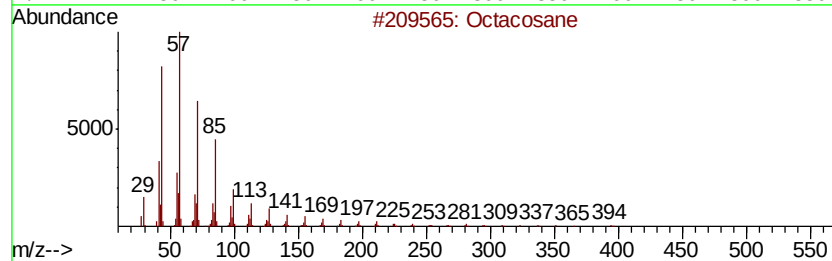
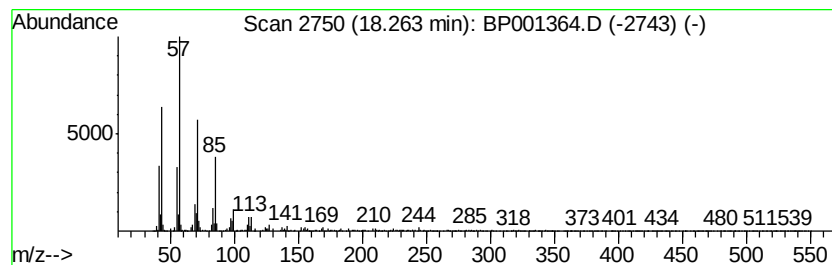
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Peak Number 6 Octacosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	2.08 ng	52897	Chrysene-d12	19.25
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octacosane	394 C28H58	000630-02-4	94
2	Eicosane, 10-methyl-	296 C21H44	054833-23-7	93
3	Eicosane, 9-octyl-	394 C28H58	013475-77-9	93
4	10-Methylnonadecane	282 C20H42	056862-62-5	91
5	Octadecane	254 C18H38	000593-45-3	90



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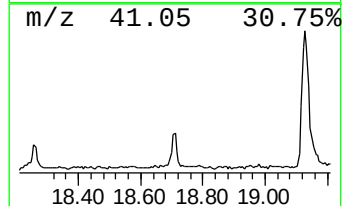
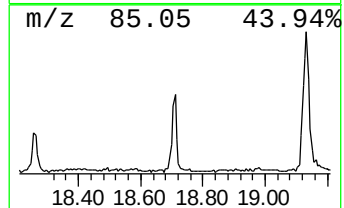
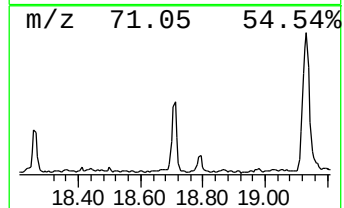
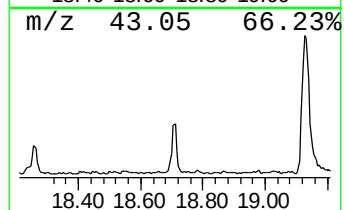
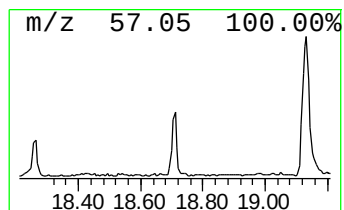
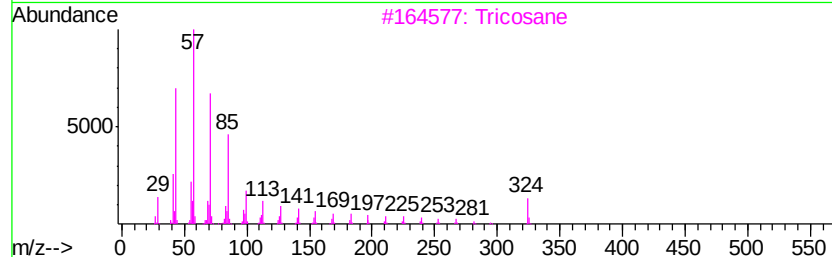
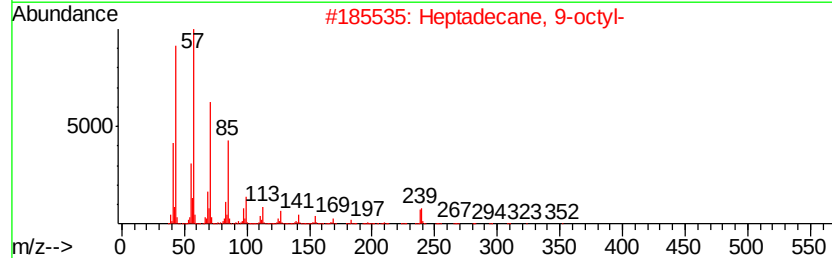
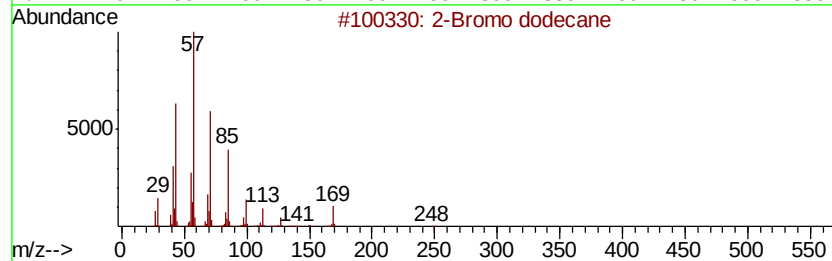
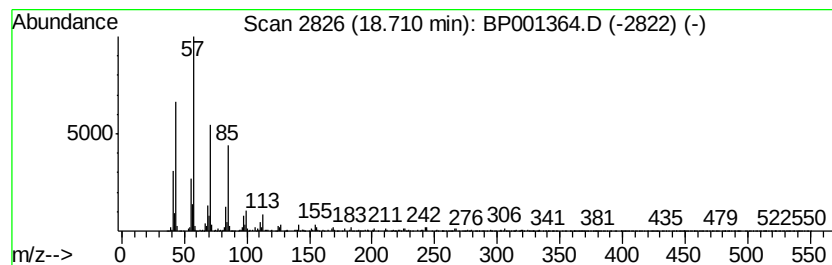
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 7 2-Bromo dodecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	2.68 ng	67966	Chrysene-d12	19.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromo dodecane	248	C12H25Br	013187-99-0	91
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3		Tricosane	324	C23H48	000638-67-5	90
4		Octacosane	394	C28H58	000630-02-4	90
5		Pentacosane	352	C25H52	000629-99-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
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 Acq On : 23 Dec 2019 13:39
 Operator : JU
 Sample : K6379-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

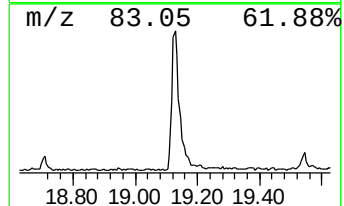
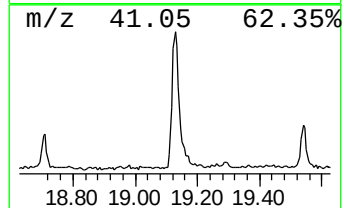
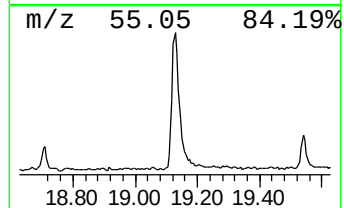
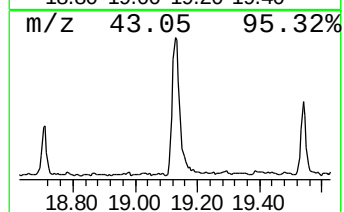
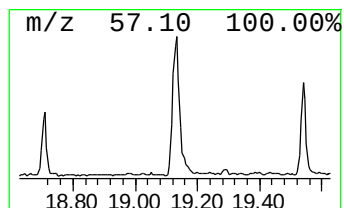
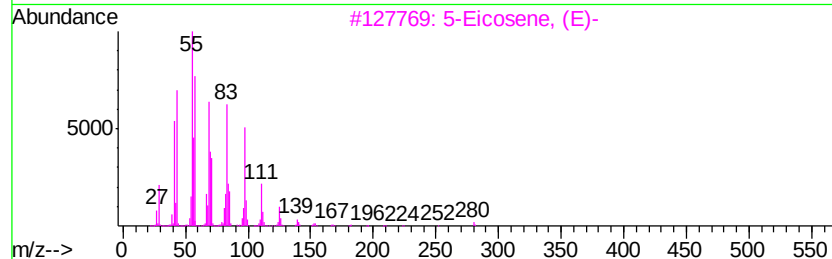
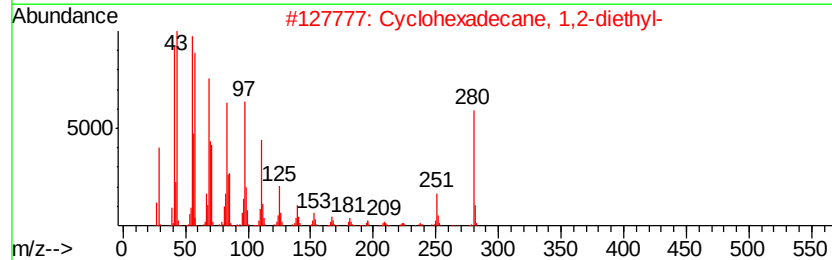
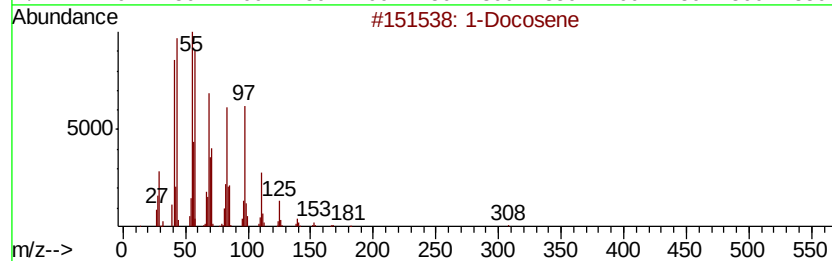
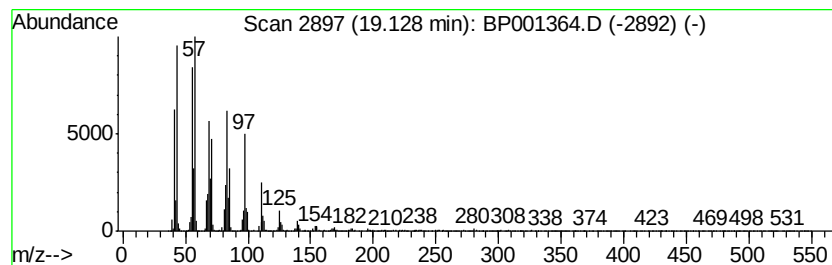
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 8 1-Docosene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	18.24 ng	463317	Chrysene-d12	19.25
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Docosene		308 C22H44	001599-67-3 99
2	Cyclohexadecane, 1,2-diethyl-		280 C20H40	1000155-85-3 97
3	5-Eicosene, (E)-		280 C20H40	074685-30-6 96
4	3-Eicosene, (E)-		280 C20H40	074685-33-9 95
5	Heptadecyl heptafluorobutyrate		452 C21H35F7O2	959085-66-6 94



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
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Misc :
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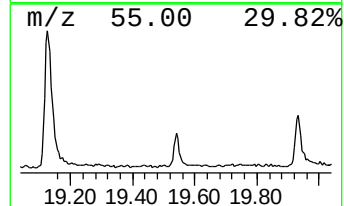
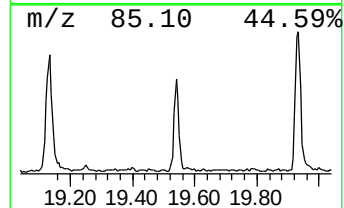
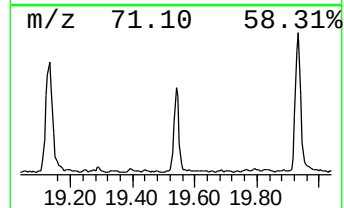
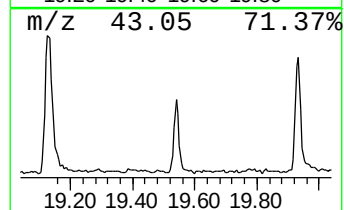
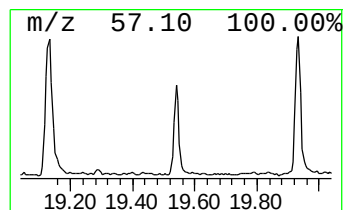
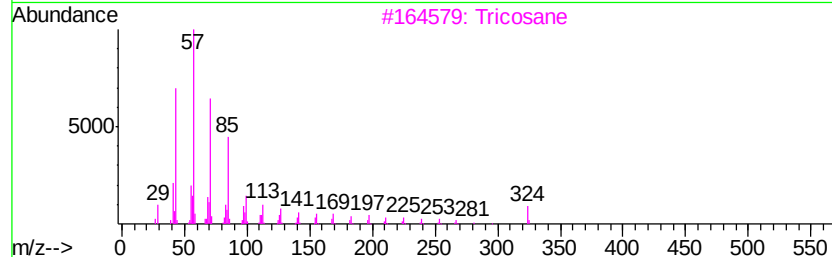
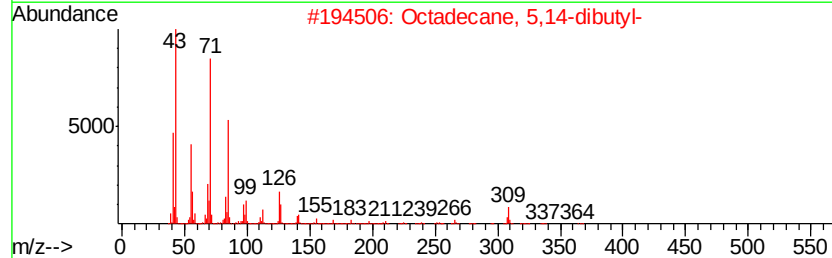
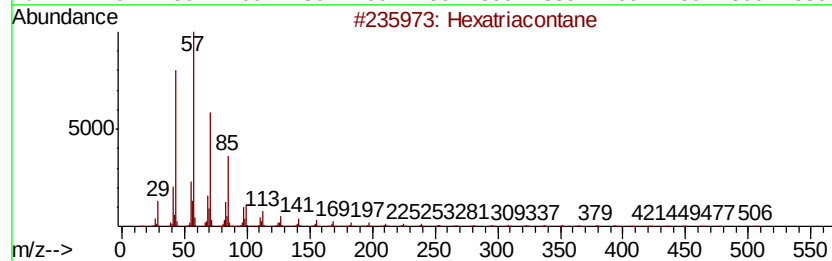
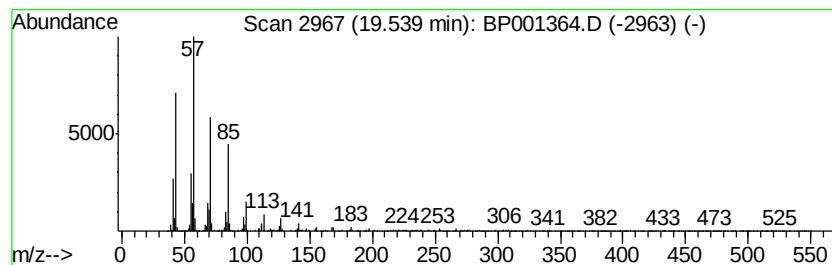
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexatriacontane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.54	4.62 ng	117353	Chrysene-d12		19.25	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexatriacontane	507	C36H74	000630-06-8	95
2		Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	94
3		Tricosane	324	C23H48	000638-67-5	94
4		Tridecane, 6-propyl-	226	C16H34	055045-10-8	93
5		Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
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Misc :
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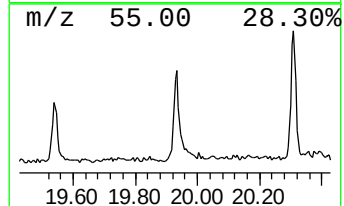
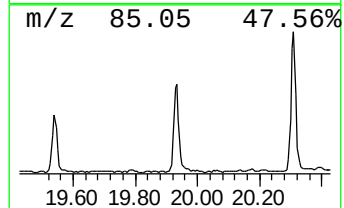
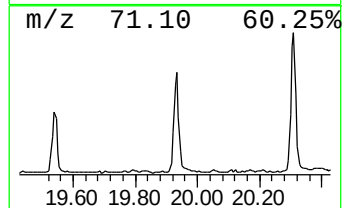
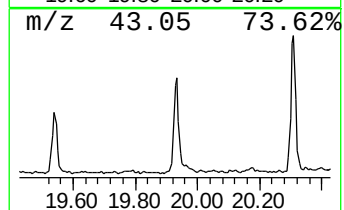
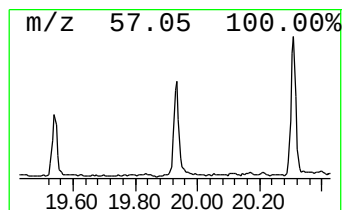
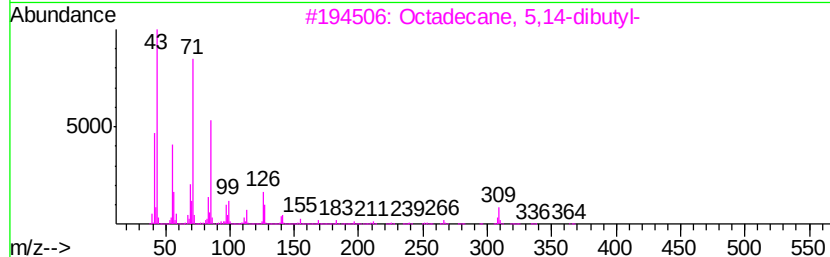
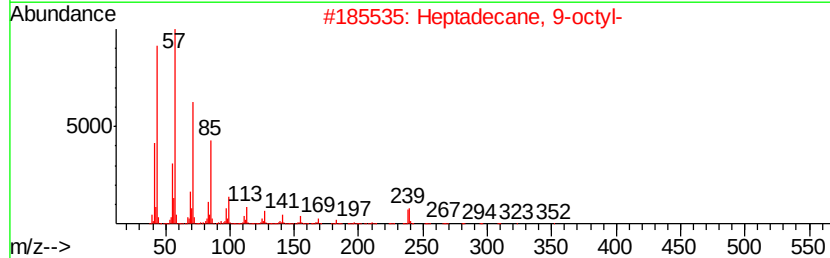
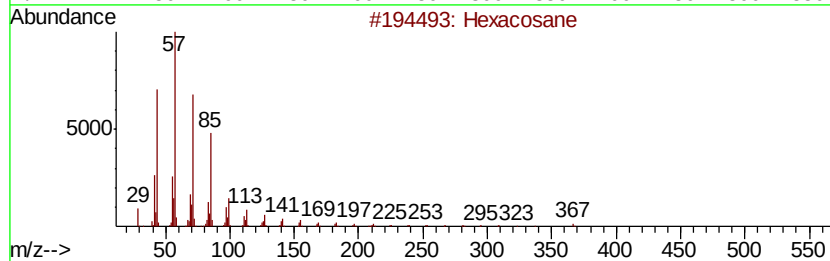
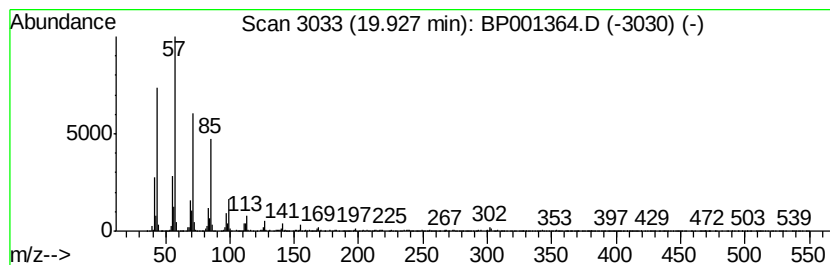
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Hexacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	8.78 ng	222994	Chrysene-d12	19.25
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexacosane	366 C26H54	000630-01-3	94
2	Heptadecane, 9-octyl-	352 C25H52	007225-64-1	94
3	Octadecane, 5,14-dibutyl-	366 C26H54	055282-13-8	93
4	Docosane, 11-butyl-	366 C26H54	013475-76-8	93
5	Hentriacontane	437 C31H64	000630-04-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001364.D
Acq On : 23 Dec 2019 13:39
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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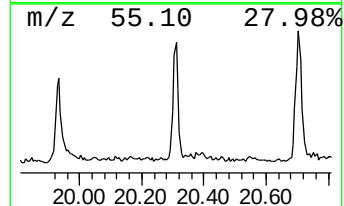
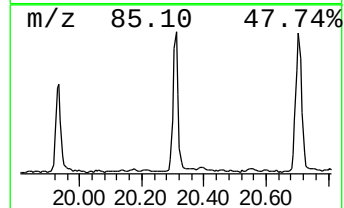
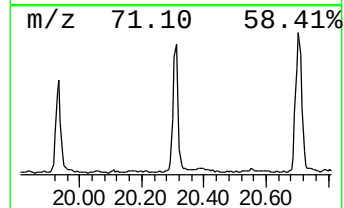
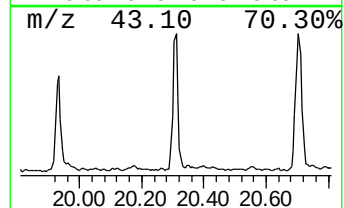
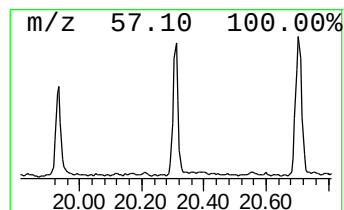
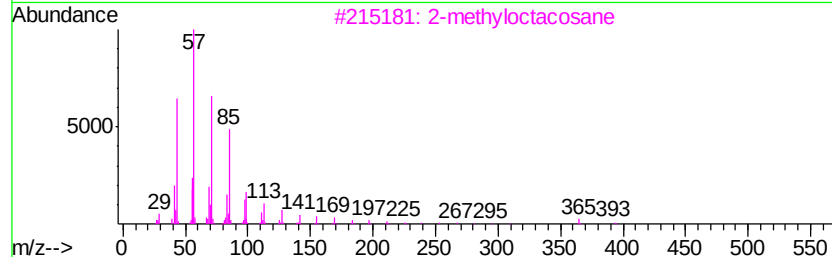
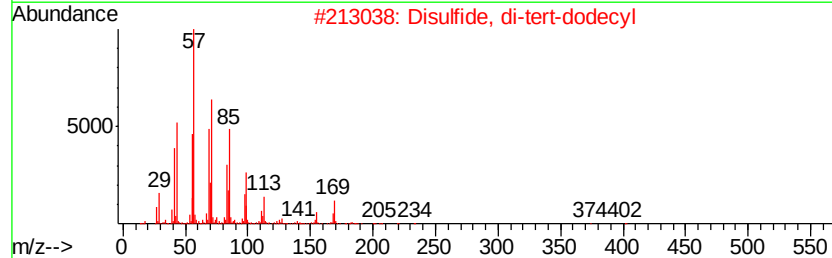
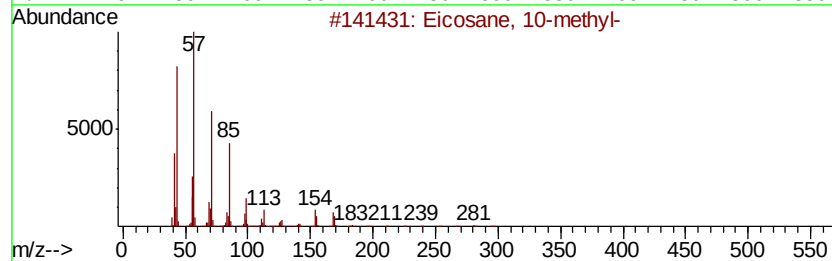
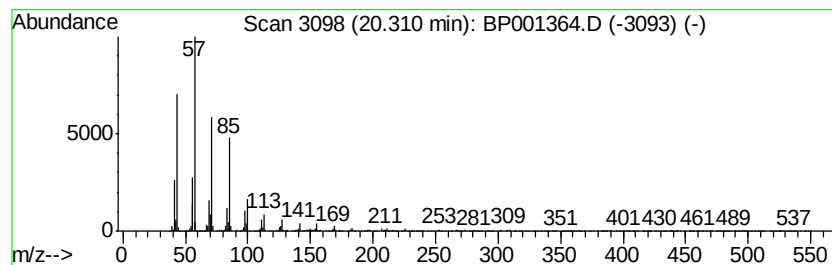
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Eicosane, 10-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	10.92 ng	266859	Perylene-d12	21.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
2		Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	93
3		2-methyloctacosane	408	C29H60	1000376-72-8	91
4		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5		Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
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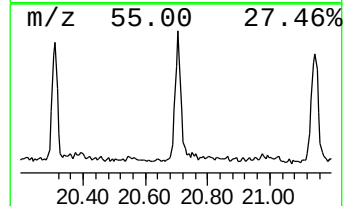
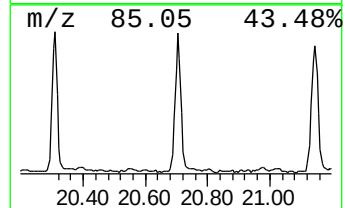
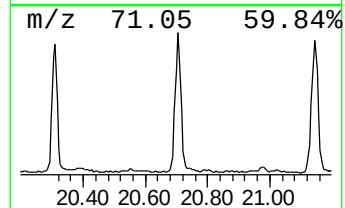
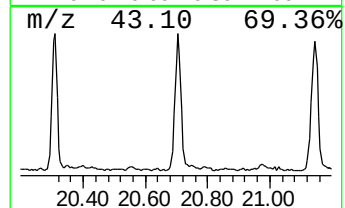
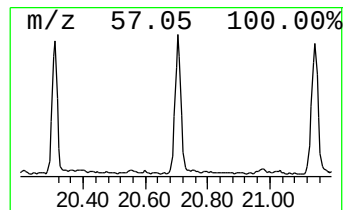
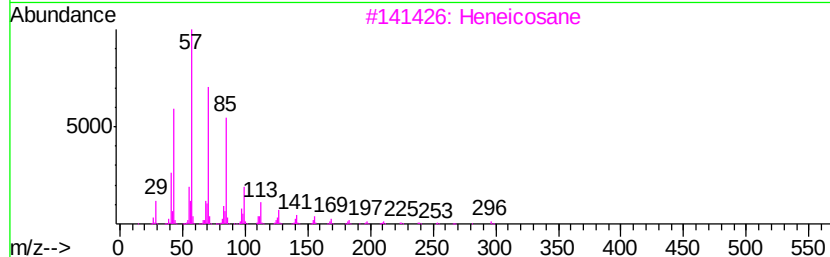
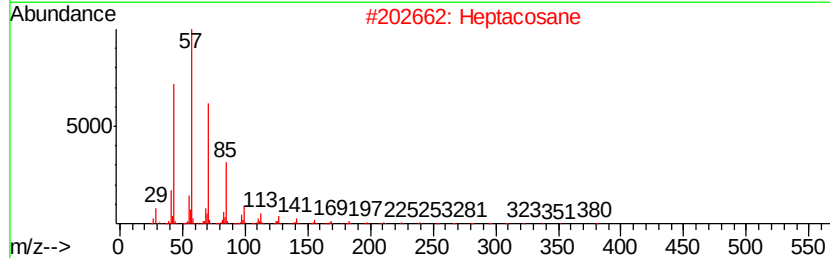
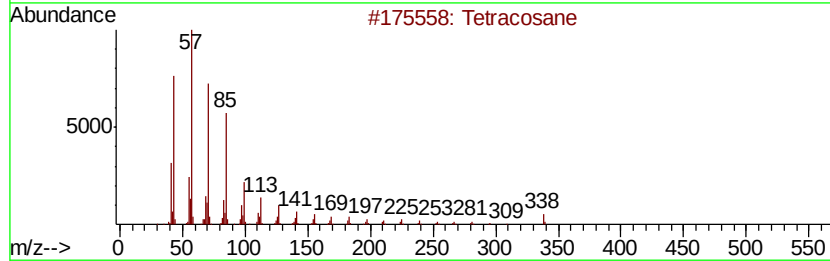
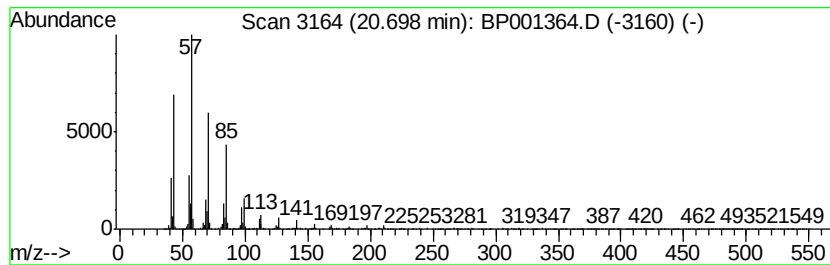
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.70	13.09 ng	319883	Perylene-d12	21.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	94
2	Heptacosane	380	C27H56	000593-49-7	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
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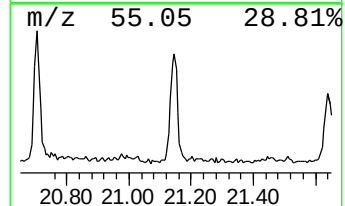
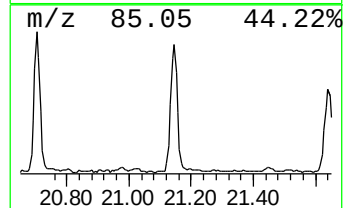
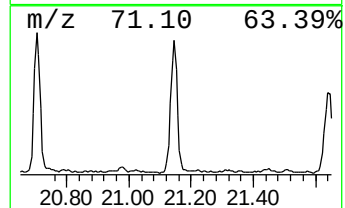
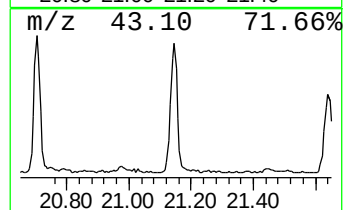
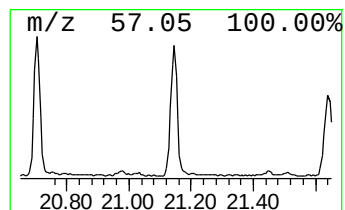
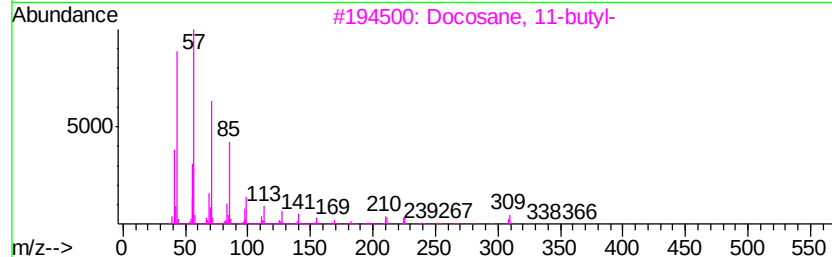
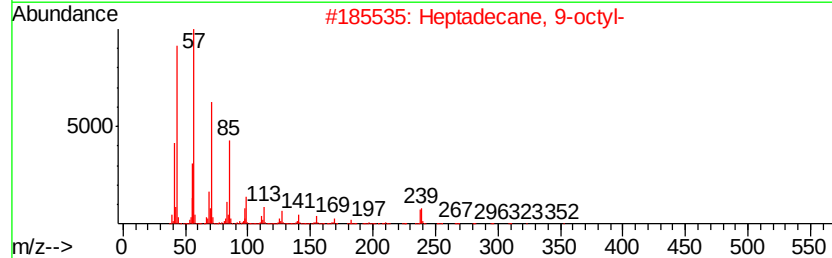
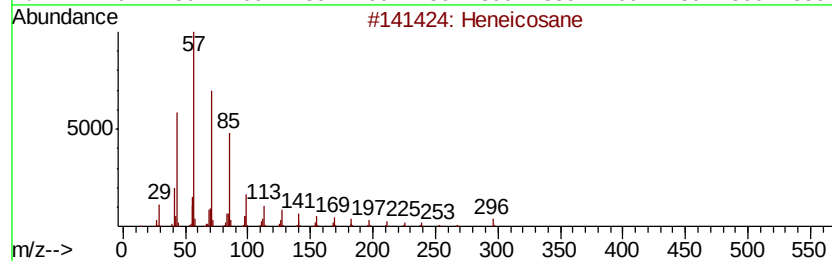
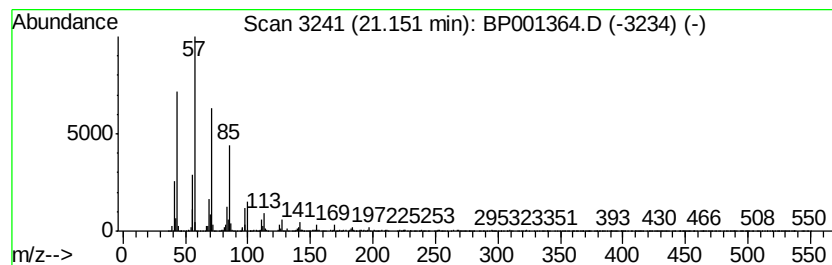
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Heneicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.15	13.27 ng	324207	Perylene-d12	21.03
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heneicosane	296 C21H44	000629-94-7	97
2	Heptadecane, 9-octyl-	352 C25H52	007225-64-1	96
3	Docosane, 11-butyl-	366 C26H54	013475-76-8	95
4	Docosane, 9-butyl-	366 C26H54	055282-14-9	94
5	Eicosane, 3-methyl-	296 C21H44	006418-46-8	94



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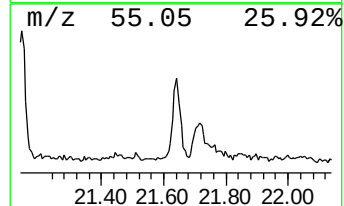
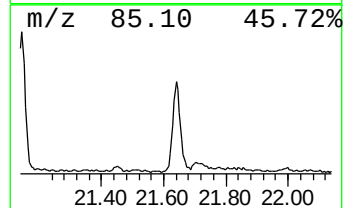
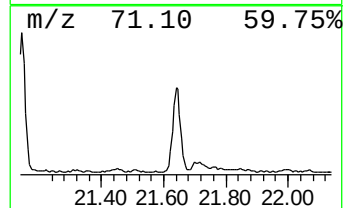
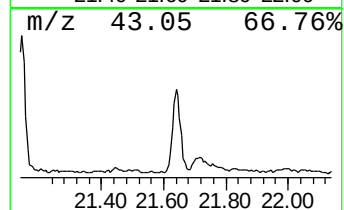
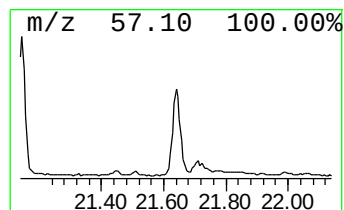
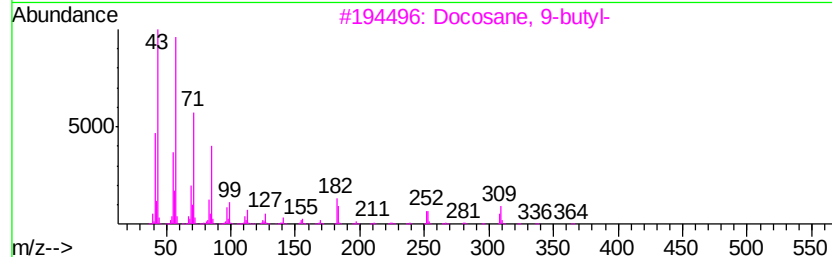
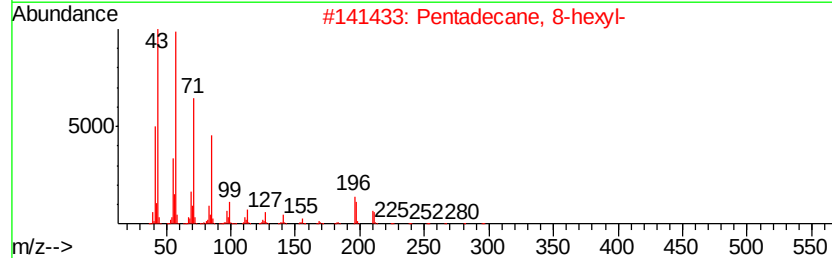
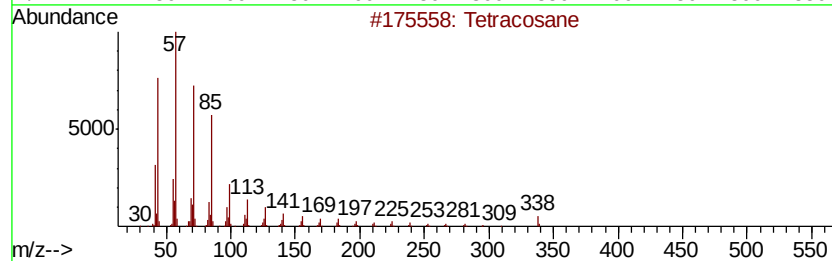
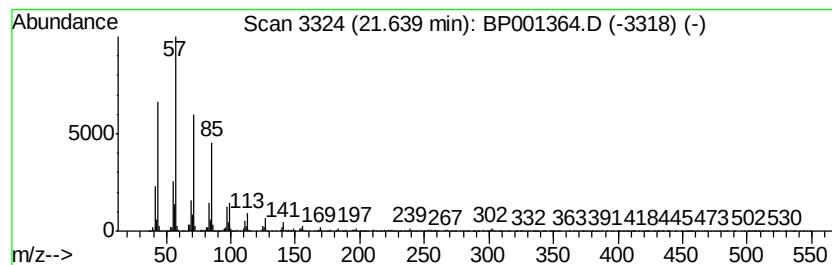
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pentadecane, 8-hexyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.64	9.81 ng	239711	Perylene-d12	21.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	95
2		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
3		Docosane, 9-butyl-	366	C26H54	055282-14-9	94
4		Docosane, 11-butyl-	366	C26H54	013475-76-8	93
5		Eicosane, 10-methyl-	296	C21H44	054833-23-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001364.D
Acq On : 23 Dec 2019 13:39
Operator : JU
Sample : K6379-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-F

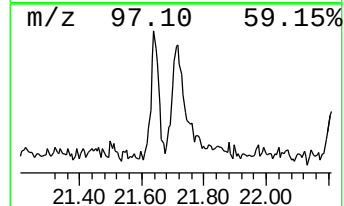
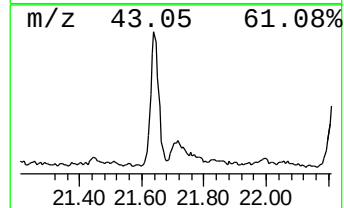
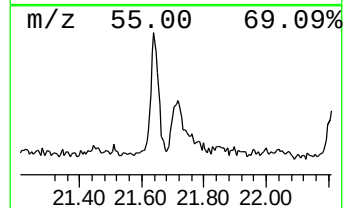
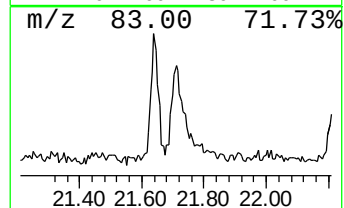
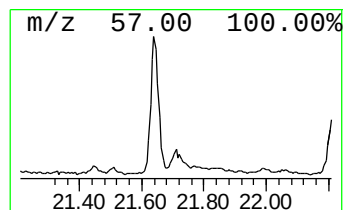
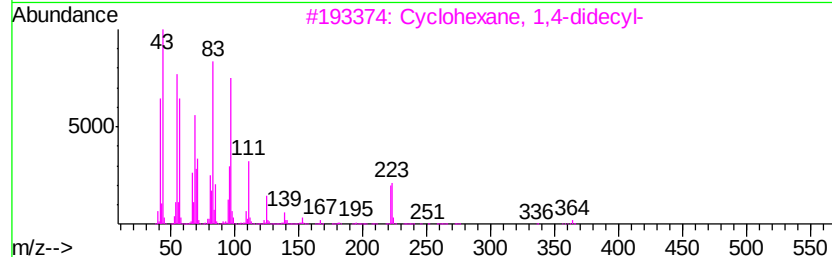
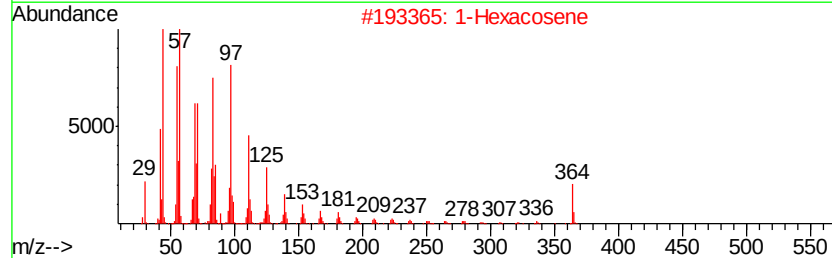
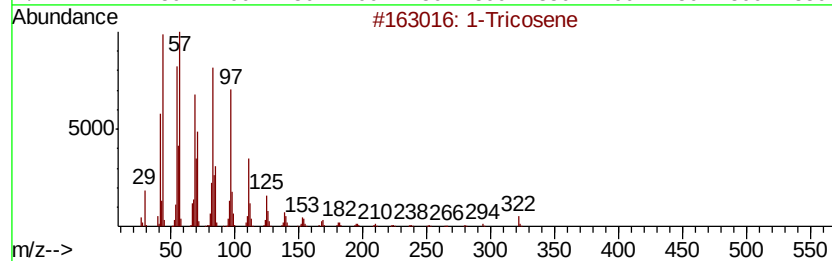
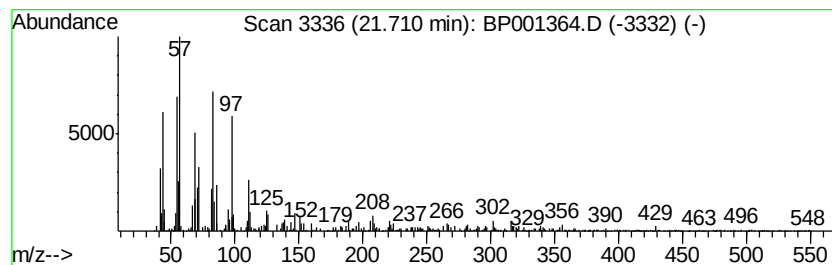
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1-Tricosene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.71	3.17 ng	77532	Perylene-d12	21.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Tricosene	322	C23H46	018835-32-0	91
2		1-Hexacosene	364	C26H52	018835-33-1	87
3		Cyclohexane, 1,4-didecyl-	364	C26H52	055334-20-8	87
4		Octacosanol	410	C28H58O	000557-61-9	83
5		Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001364.D
Acq On : 23 Dec 2019 13:39
Operator : JU
Sample : K6379-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

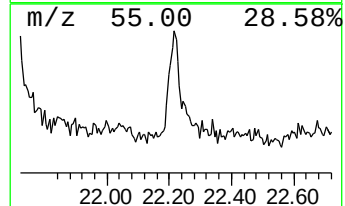
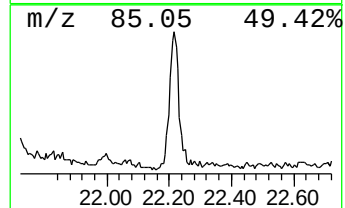
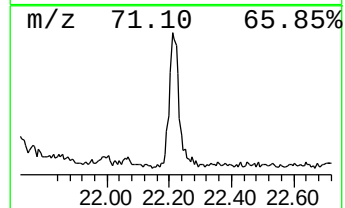
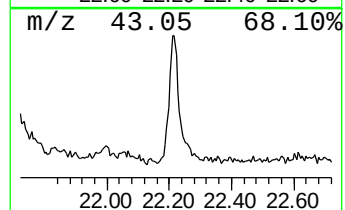
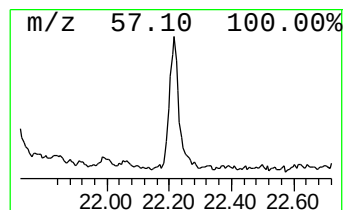
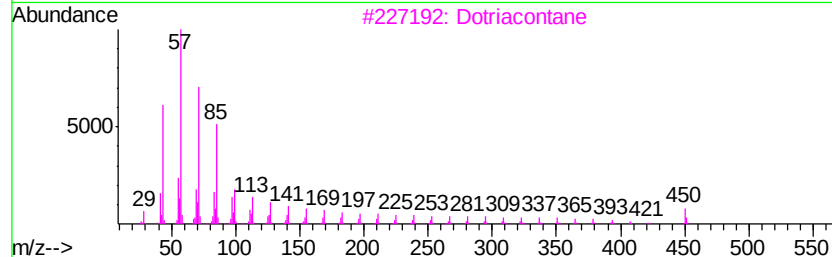
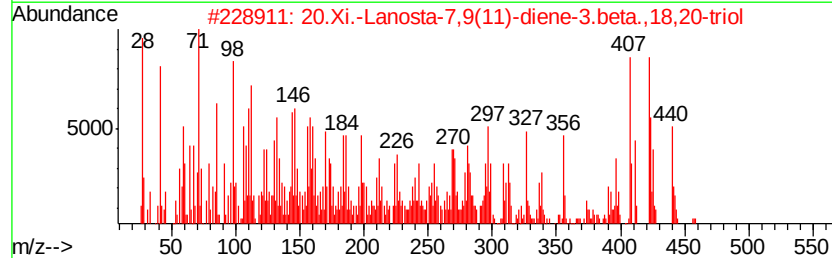
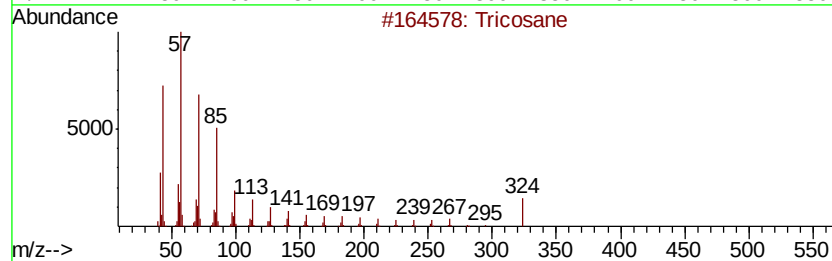
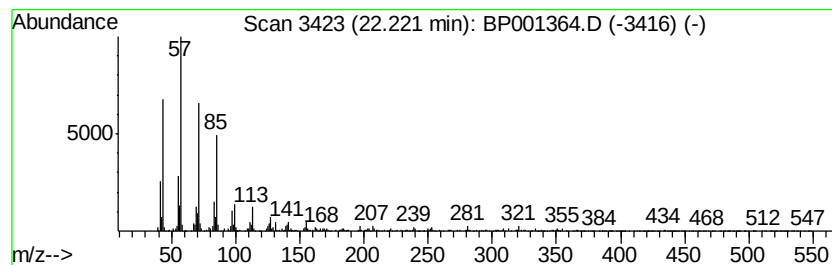
Instrument :
BNA_P
ClientSampleId :
MH-F

Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Tricosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
22.22	5.12 ng	125029	Perylene-d12	21.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	93
2	20.Xi.-Lanosta-7,9(11)-diene-3.b...	458	C30H50O3	025116-58-9	93
3	Dotriacontane	451	C32H66	000544-85-4	93
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	93
5	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP122319\
 Data File : BP001364.D
 Acq On : 23 Dec 2019 13:39
 Operator : JU
 Sample : K6379-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-F

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP121919.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
2-Pentanone, 4-hy...	5.61	5.0	ng	95896	1	8.30	382561	20.0
unknown7.94	7.94	82.7	ng	1581260	1	8.30	382561	20.0
n-Hexadecanoic acid	16.49	8.4	ng	235769	4	15.60	558774	20.0
Octadecanoic acid	17.58	3.5	ng	88480	5	19.25	508030	20.0
Octacosane	18.26	2.1	ng	52897	5	19.25	508030	20.0
2-Bromo dodecane	18.71	2.7	ng	67966	5	19.25	508030	20.0
1-Docosene	19.13	18.2	ng	463317	5	19.25	508030	20.0
Hexatriacontane	19.54	4.6	ng	117353	5	19.25	508030	20.0
Hexacosane	19.93	8.8	ng	222994	5	19.25	508030	20.0
Eicosane, 10-methyl-	20.31	10.9	ng	266859	6	21.03	488788	20.0
Tetracosane	20.70	13.1	ng	319883	6	21.03	488788	20.0
Heneicosane	21.15	13.3	ng	324207	6	21.03	488788	20.0
Pentadecane, 8-he...	21.64	9.8	ng	239711	6	21.03	488788	20.0
1-Tricosene	21.71	3.2	ng	77532	6	21.03	488788	20.0
Tricosane	22.22	5.1	ng	125029	6	21.03	488788	20.0