

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
 Data File : BF085871.D
 Acq On : 30 Mar 2016 1:41
 Operator : UM/SJ
 Sample : H2023-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4

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:\HPCHEM1\BNA_F\METHODS\8270-BF032416.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	4.996	235	237	243	rBV	74300	113881	3.97%	0.479%
2	5.407	271	273	276	rBV	2394653	2614379	91.06%	10.996%
3	6.447	362	364	367	rBV	1904611	2870928	100.00%	12.075%
4	6.573	373	375	378	rBV	2245472	2732121	95.17%	11.491%
5	6.802	393	395	398	rBV	594758	637339	22.20%	2.681%
6	6.962	407	409	412	rBV	2318197	2072162	72.18%	8.716%
7	7.373	442	445	448	rBV	1676084	1655825	57.68%	6.964%
8	7.842	482	486	489	rBV2	22392	34357	1.20%	0.145%
9	8.093	505	508	510	rBV	969707	831923	28.98%	3.499%
10	8.870	575	576	582	rBV	22566	43996	1.53%	0.185%
11	9.167	600	602	605	rBV	2264521	2175881	75.79%	9.152%
12	9.568	635	637	639	rBV	453905	400372	13.95%	1.684%
13	9.785	654	656	657	rBV	66100	73768	2.57%	0.310%
14	9.842	659	661	664	rVB	641284	704446	24.54%	2.963%
15	10.013	673	676	679	rBV2	16248	39053	1.36%	0.164%
16	10.276	697	699	703	rVB	98115	95068	3.31%	0.400%
17	10.493	715	718	722	rBV	27251	56142	1.96%	0.236%
18	10.630	728	730	733	rBV2	953515	1270760	44.26%	5.345%
19	10.756	739	741	747	rVB	61032	103806	3.62%	0.437%
20	11.202	778	780	785	rVB	31762	46653	1.63%	0.196%
21	11.328	789	791	795	rBV	721670	631083	21.98%	2.654%
22	11.865	836	838	840	rBV	218391	247929	8.64%	1.043%
23	12.436	885	888	890	rBV4	19028	47584	1.66%	0.200%
24	12.642	904	906	910	rBV2	89932	119579	4.17%	0.503%
25	12.916	927	930	932	rBV	1782820	1698061	59.15%	7.142%
26	13.054	939	942	943	rVB	21195	29182	1.02%	0.123%
27	13.488	977	980	982	rBV	32754	45670	1.59%	0.192%
28	13.625	990	992	995	rBV2	162744	166419	5.80%	0.700%
29	13.762	1002	1004	1006	rBV	43627	61397	2.14%	0.258%
30	13.808	1006	1008	1016	rVB	196282	262257	9.13%	1.103%
31	13.968	1019	1022	1024	rBV	697670	712645	24.82%	2.997%
32	14.128	1034	1036	1040	rVB	64190	87754	3.06%	0.369%
33	14.437	1061	1063	1065	rBV	64575	71756	2.50%	0.302%
34	14.711	1085	1087	1091	rBV2	90375	168477	5.87%	0.709%

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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.802	1093	1095	1097	rVB	41433	45292	1.58%	0.190%
36	15.042	1114	1116	1119	rVB	63785	87683	3.05%	0.369%
37	15.385	1143	1146	1152	rVB	402708	566305	19.73%	2.382%
38	15.808	1180	1183	1186	rVB	57206	82714	2.88%	0.348%
39	16.277	1221	1224	1226	rBV	33237	70705	2.46%	0.297%

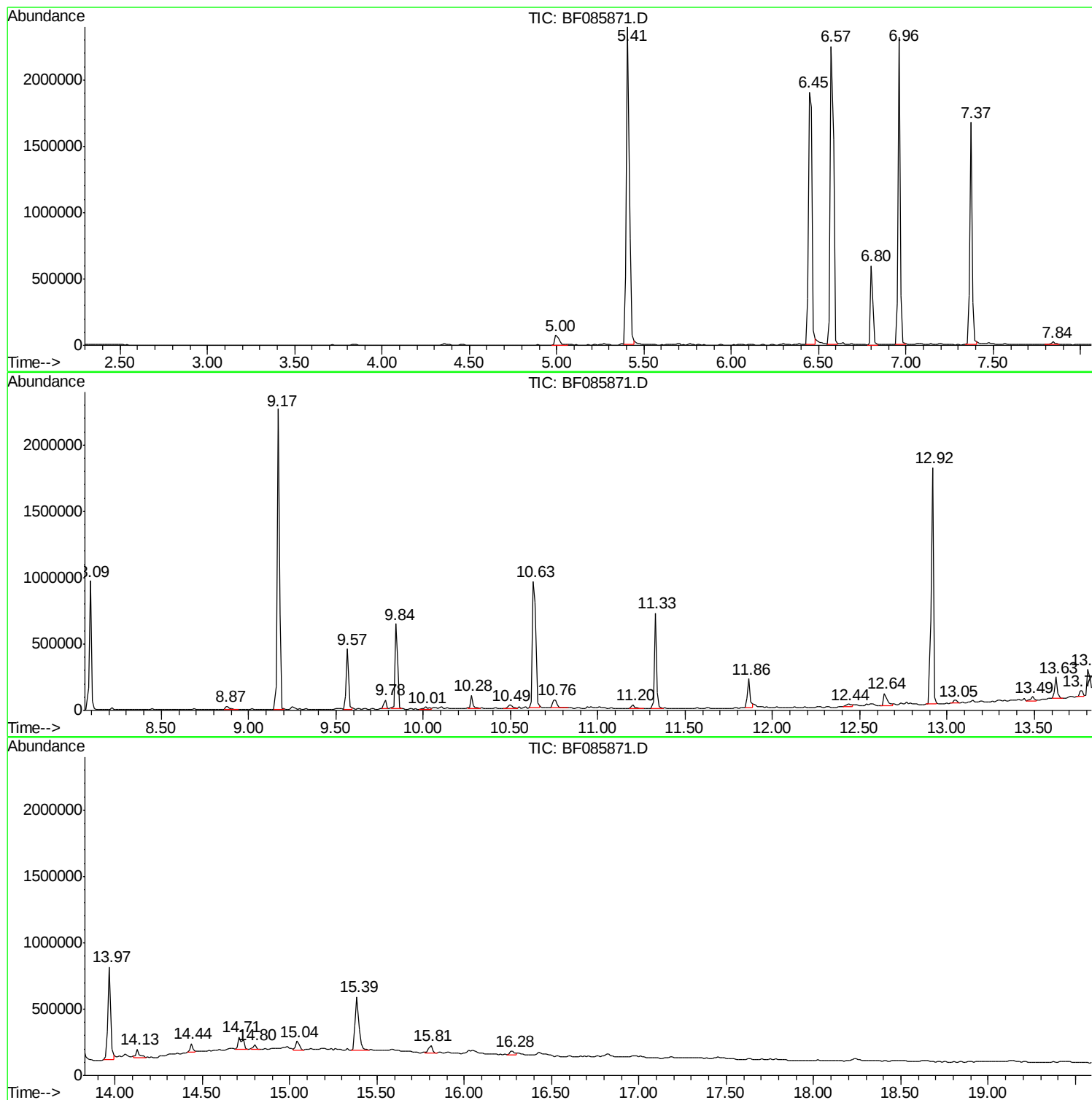
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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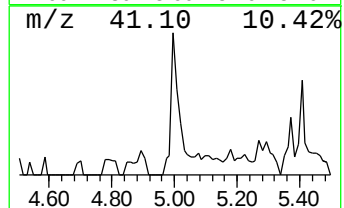
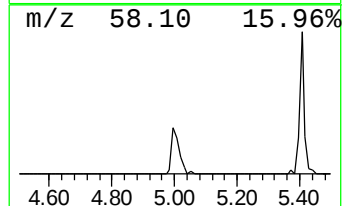
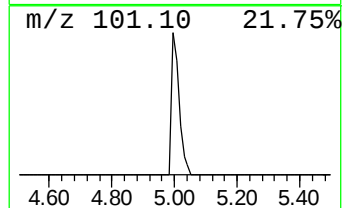
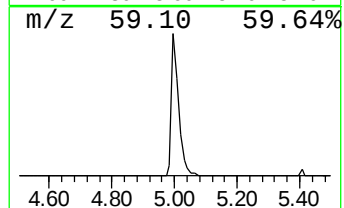
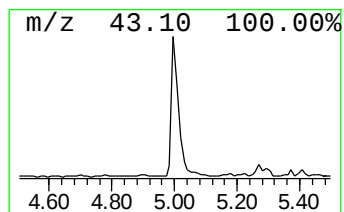
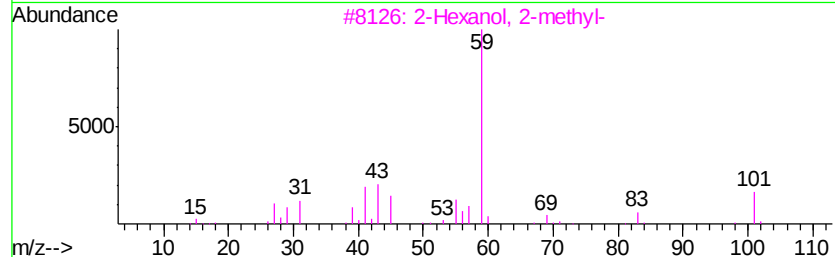
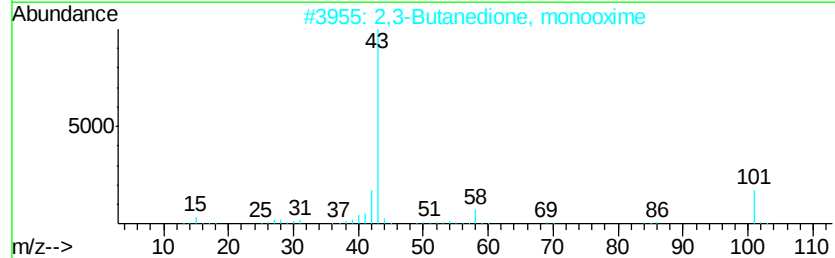
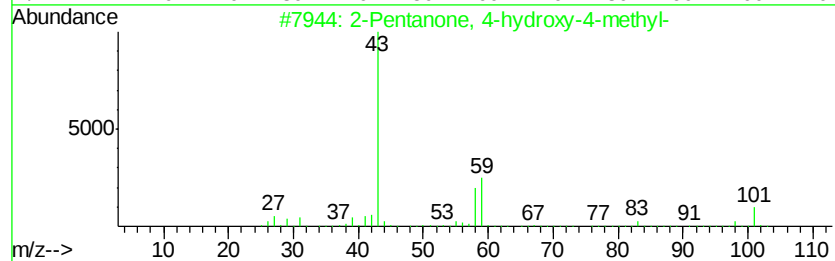
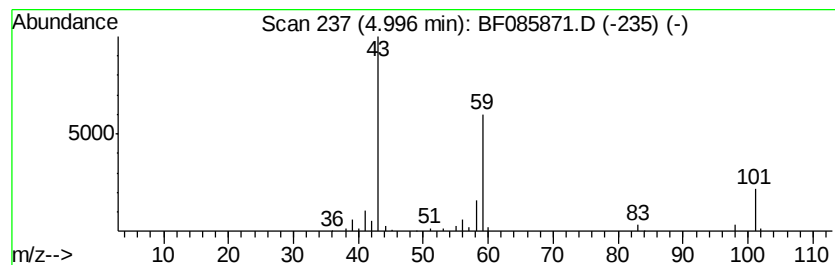
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	3.57 ng	113881	1,4-Dichlorobenzene-d4	6.80

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25
4			5-Hexen-2-one	98	C6H10O	000109-49-9	14
5			Acetone	58	C3H6O	000067-64-1	9



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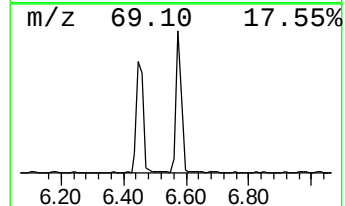
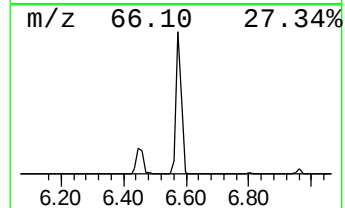
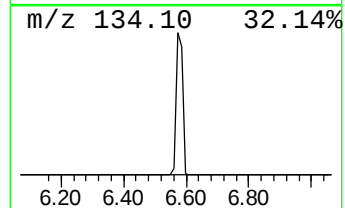
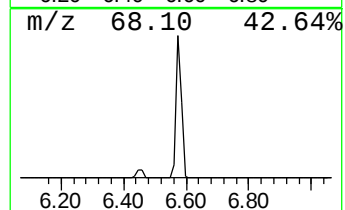
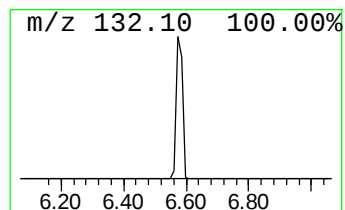
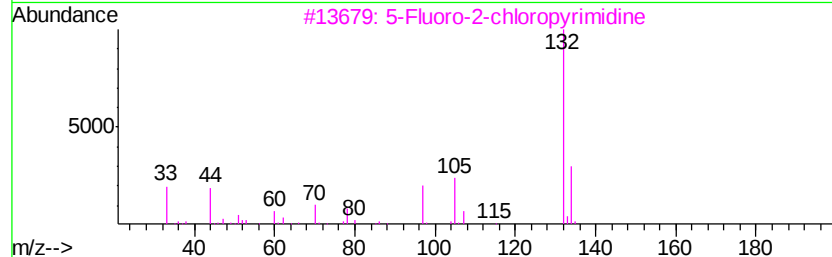
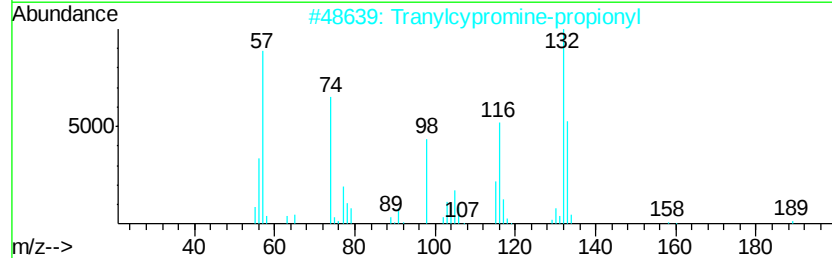
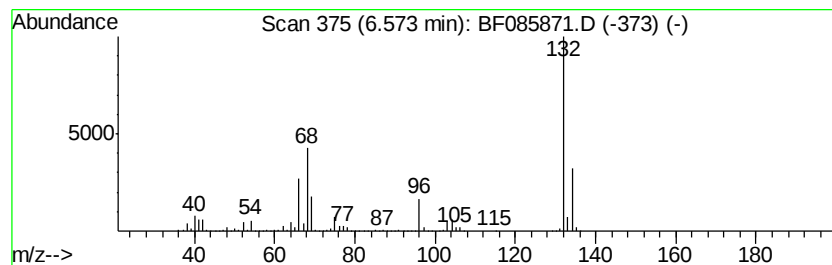
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	85.74 ng	2732120	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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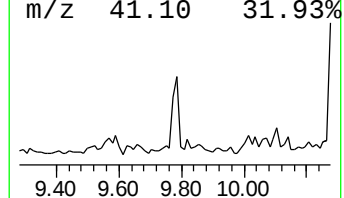
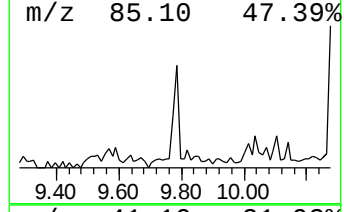
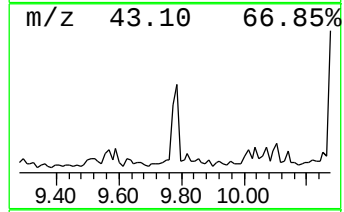
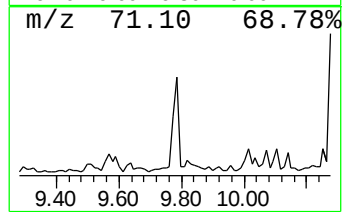
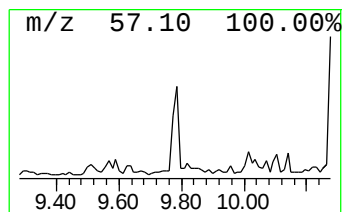
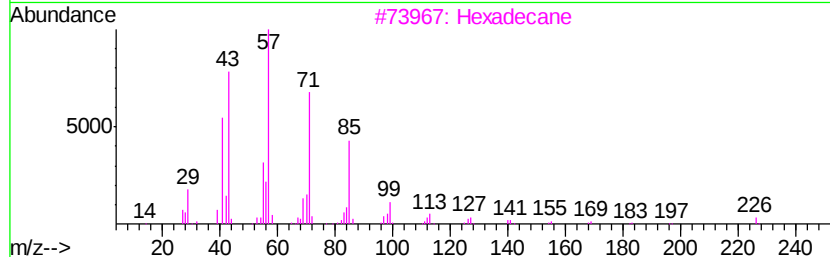
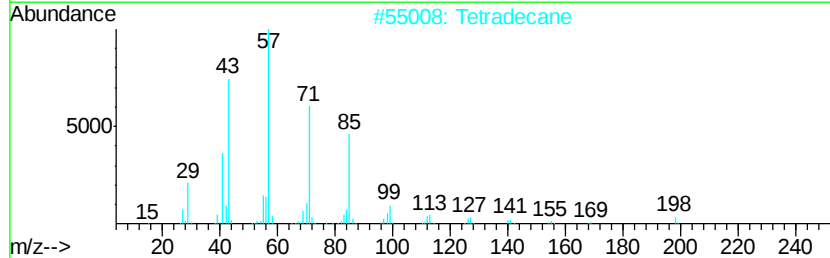
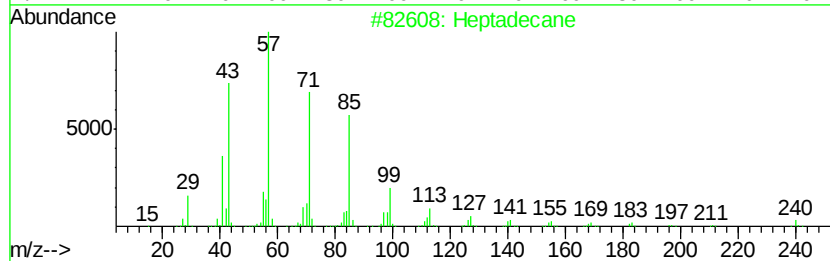
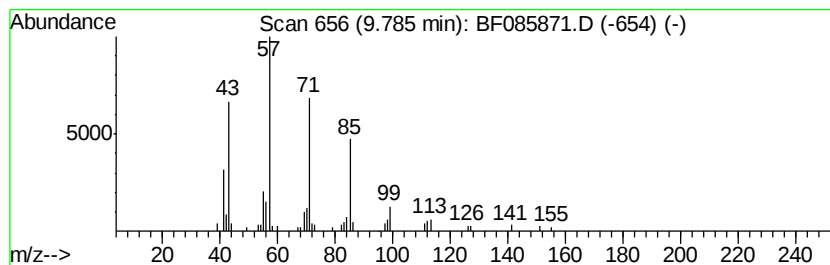
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	2.09 ng	73768	Acenaphthene-d10	9.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	90
2		Tetradecane	198	C14H30	000629-59-4	87
3		Hexadecane	226	C16H34	000544-76-3	86
4		Pentadecane	212	C15H32	000629-62-9	86
5		Tetratetracontane	619	C44H90	007098-22-8	80



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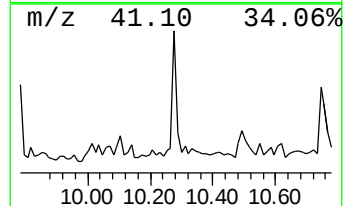
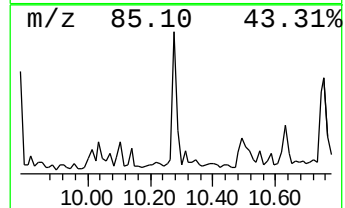
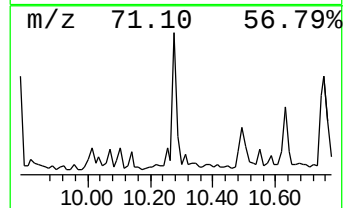
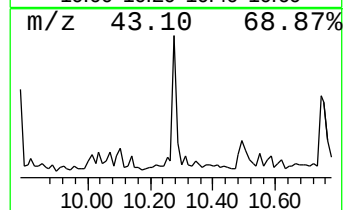
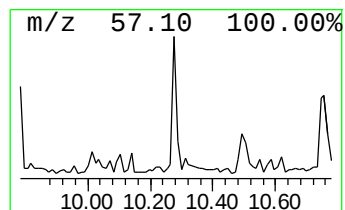
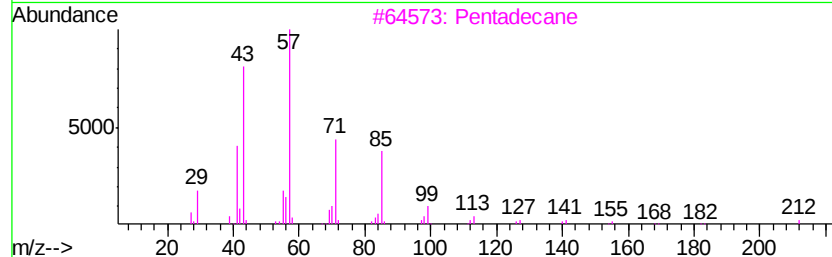
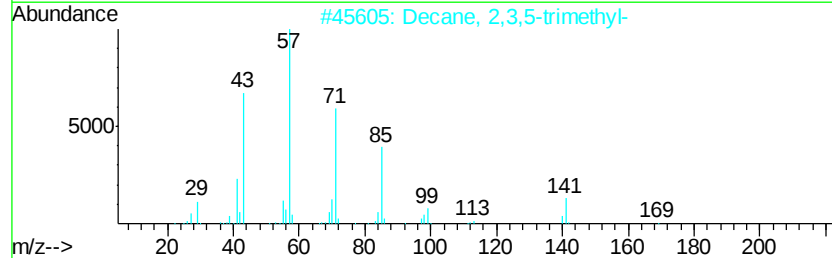
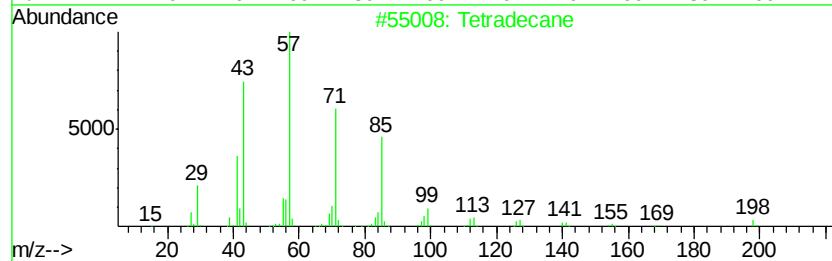
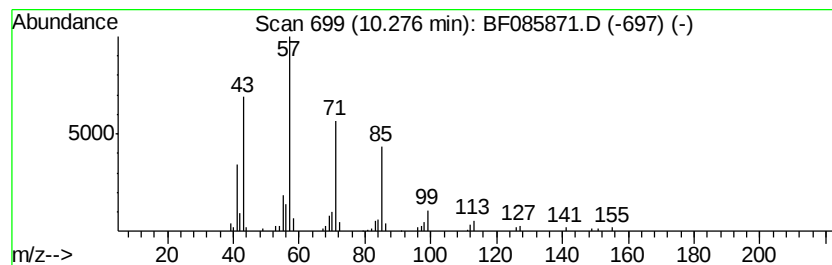
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	2.70 ng	95068	Acenaphthene-d10	9.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetradecane	198 C14H30	000629-59-4 87
2		Decane, 2,3,5-trimethyl-	184 C13H28	062238-11-3 83
3		Pentadecane	212 C15H32	000629-62-9 72
4		Hexadecane	226 C16H34	000544-76-3 72
5		Octane, 2,4,6-trimethyl-	156 C11H24	062016-37-9 72



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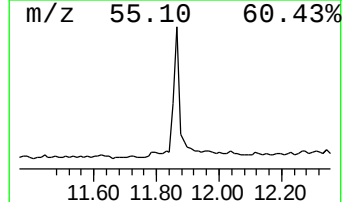
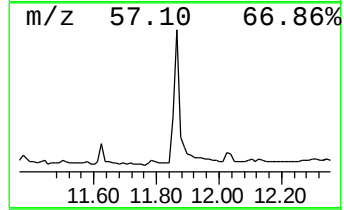
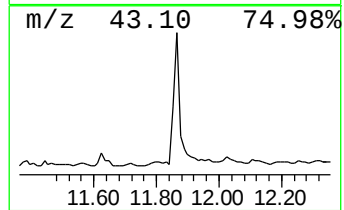
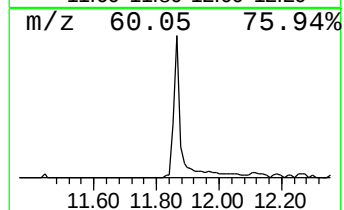
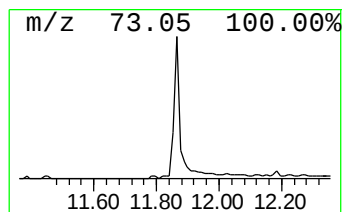
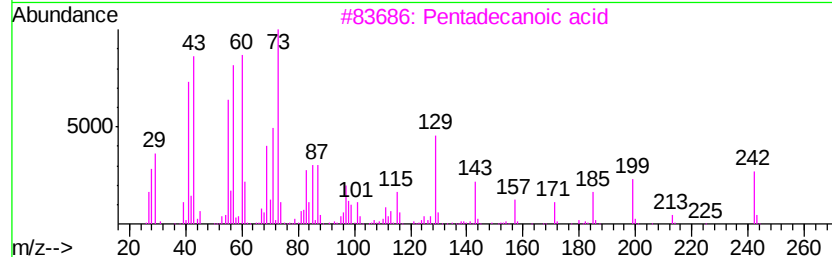
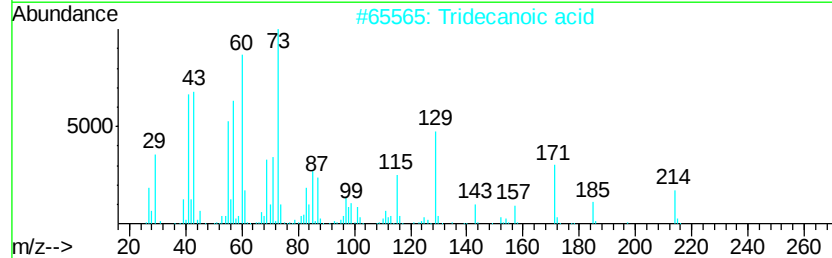
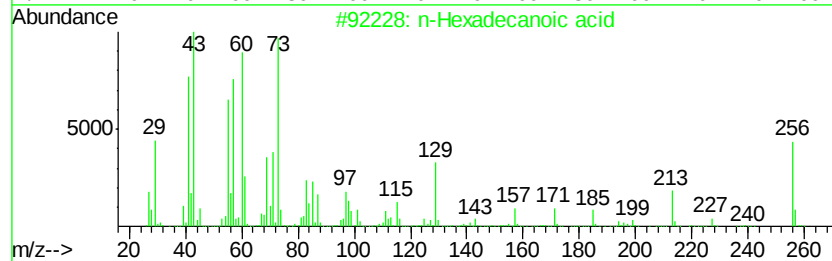
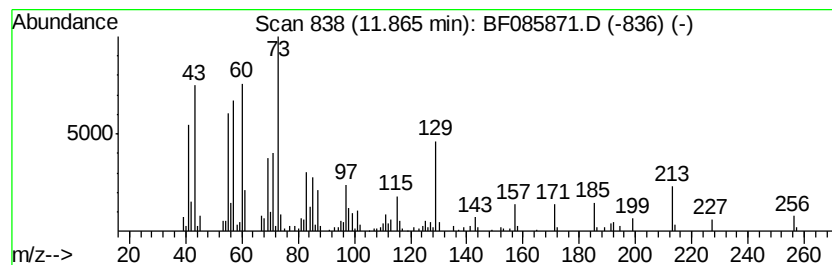
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.86	7.86 ng	247929	Phenanthrene-d10		11.33
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	83
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	n-Decanoic acid	172	C10H20O2	000334-48-5	76
5	Hexadecane	226	C16H34	000544-76-3	11



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ALS Vial : 20 Sample Multiplier: 1

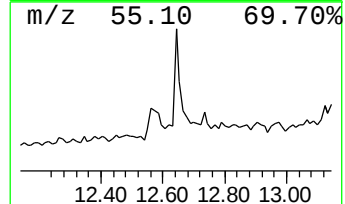
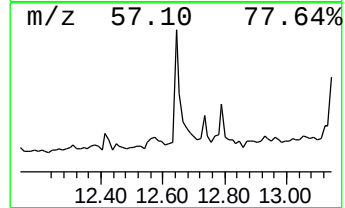
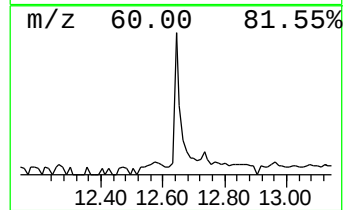
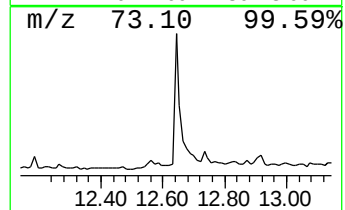
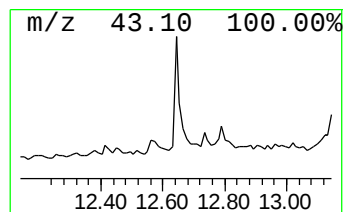
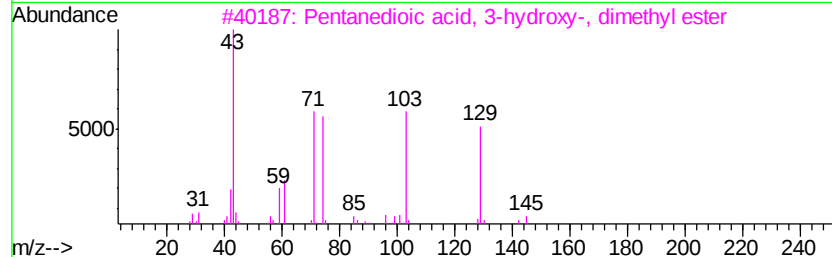
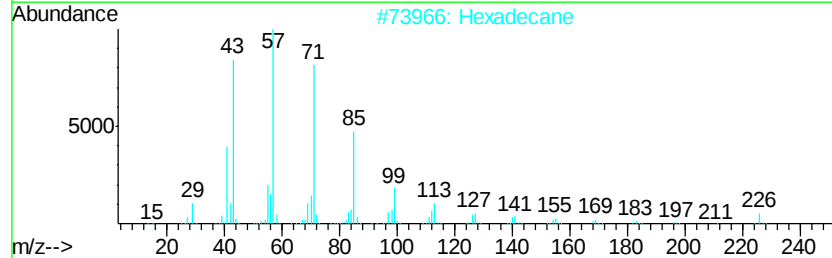
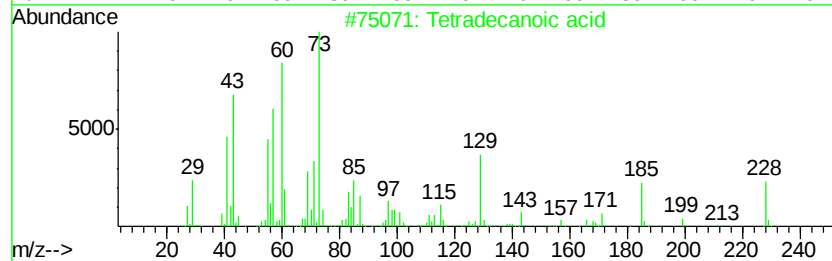
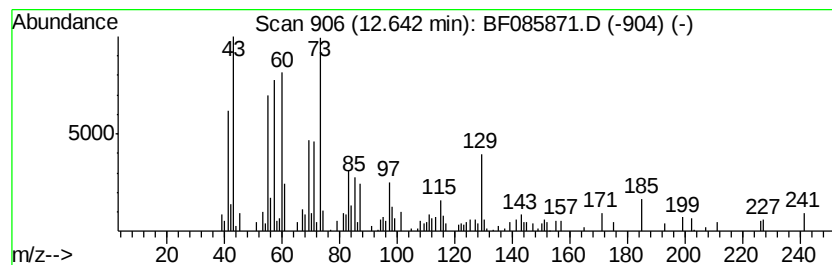
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetradecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.64	3.79 ng	119579	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
2	Hexadecane	226	C16H34	000544-76-3	25
3	Pentanedioic acid, 3-hydroxy-, d...	176	C7H12O5	007250-55-7	22
4	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	11
5	Dodecane	170	C12H26	000112-40-3	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
Data File : BF085871.D
Acq On : 30 Mar 2016 1:41
Operator : UM/SJ
Sample : H2023-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

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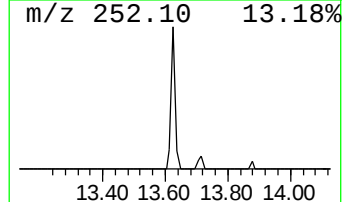
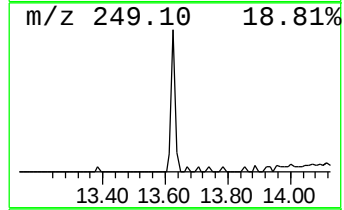
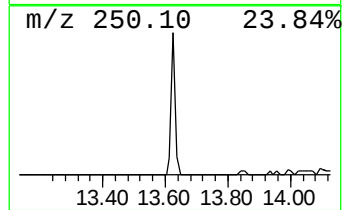
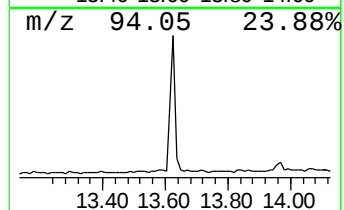
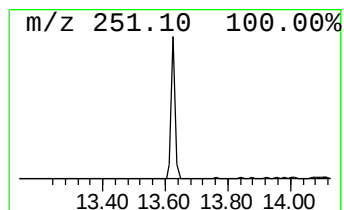
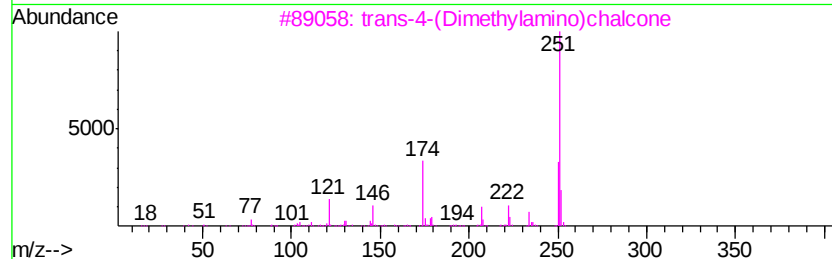
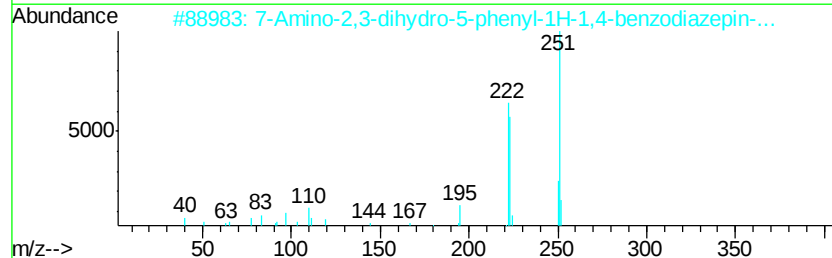
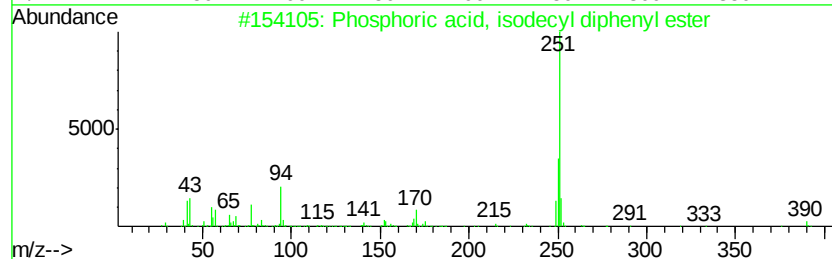
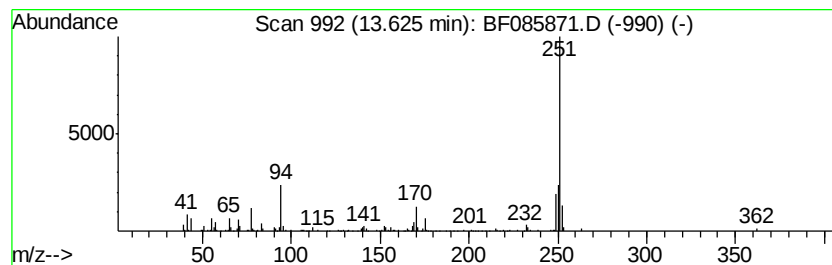
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phosphoric acid, isodecyl d... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	4.67 ng	166419	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phosphoric acid, isodecyl diphen...	390	C22H31O4P	029761-21-5	86
2		7-Amino-2,3-dihydro-5-phenyl-1H-...	251	C15H13N3O	004928-02-3	52
3		trans-4-(Dimethylamino)chalcone	251	C17H17NO	022965-98-6	50
4		trans-4'-(Dimethylamino)chalcon	251	C17H17NO	038239-50-8	40
5		Octicizer	362	C20H27O4P	001241-94-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
Data File : BF085871.D
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Instrument :
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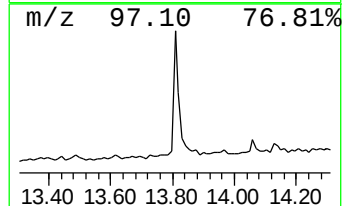
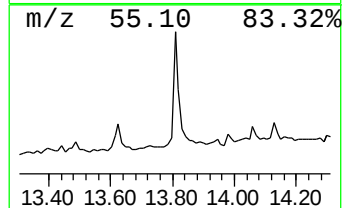
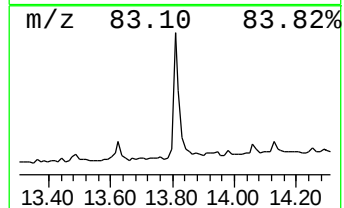
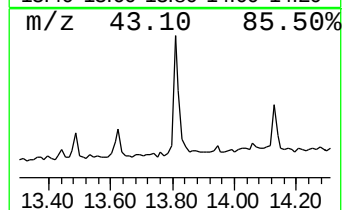
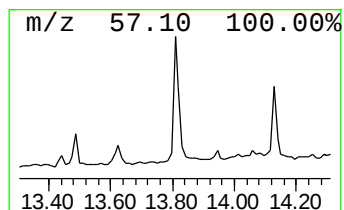
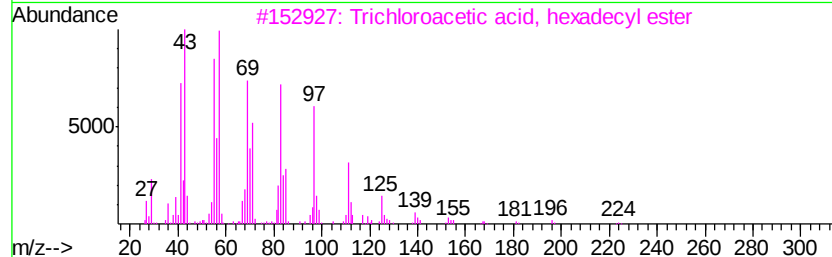
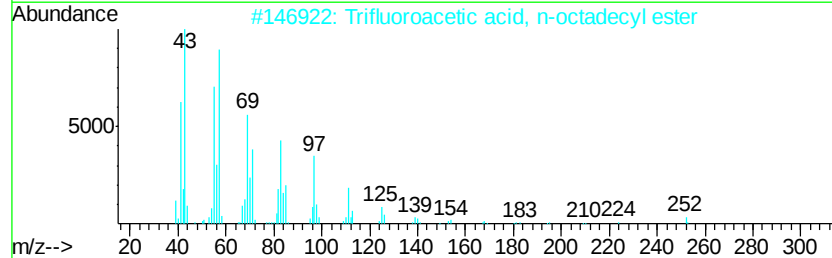
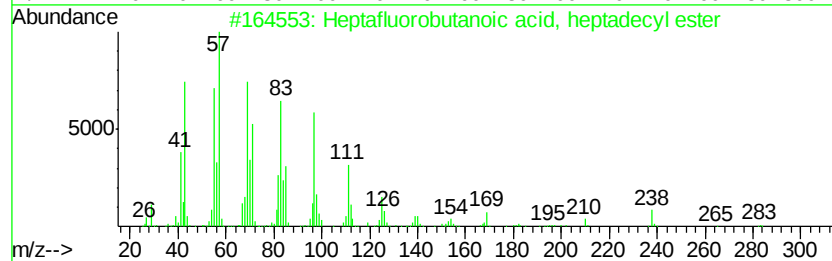
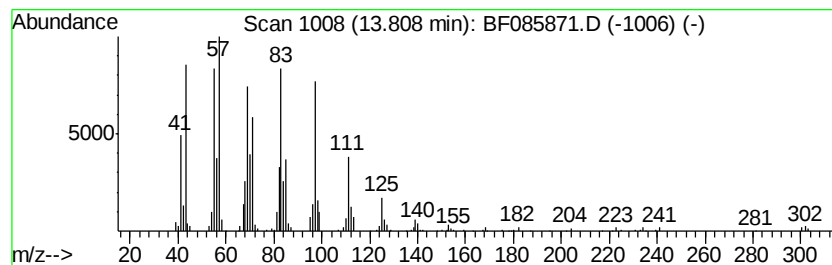
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heptafluorobutanoic acid, h... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	7.36 ng	262257	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	94
2		Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91
3		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
4		Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
5		Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
Data File : BF085871.D
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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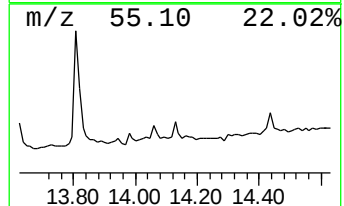
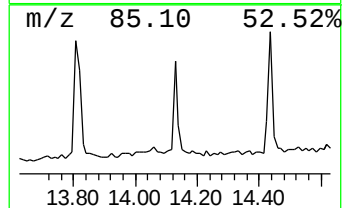
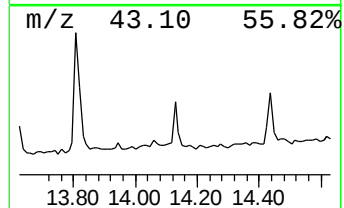
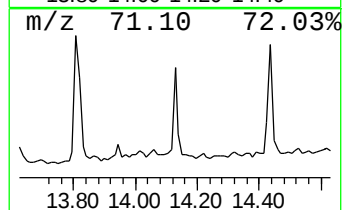
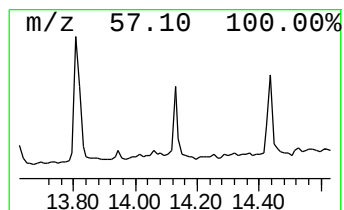
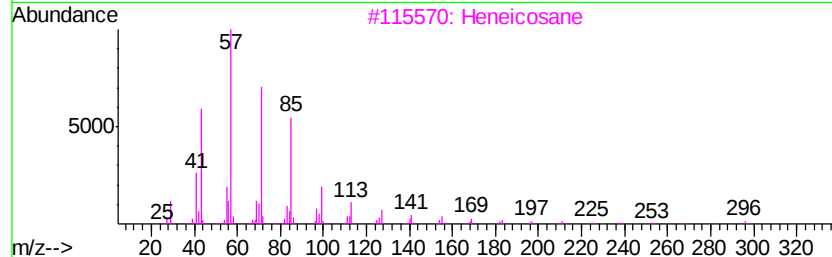
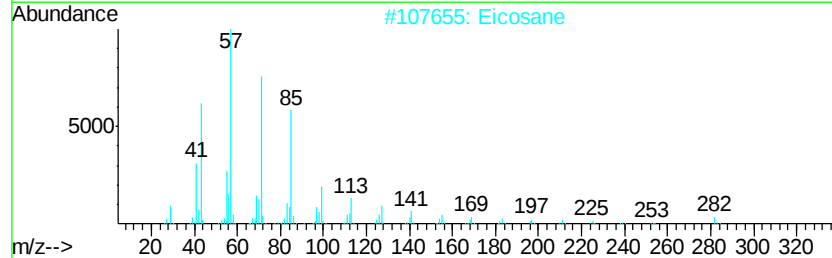
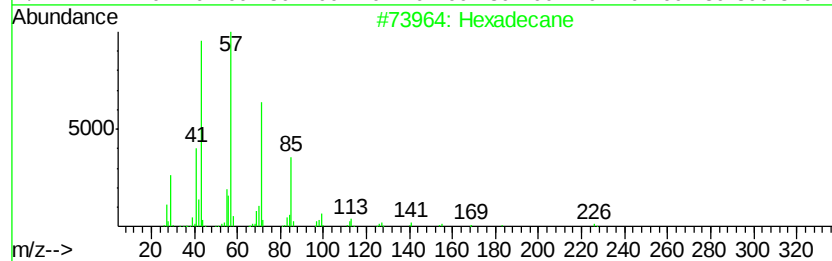
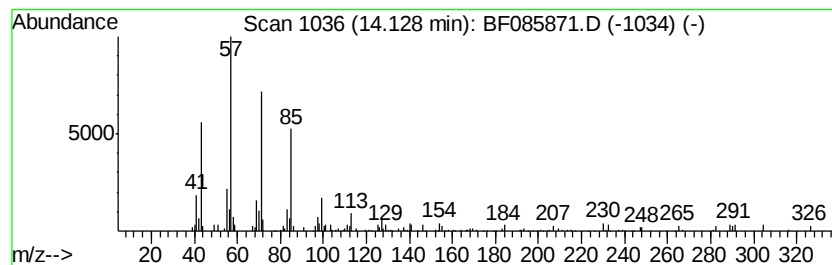
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	2.46 ng	87754	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	93
2		Eicosane	282	C20H42	000112-95-8	91
3		Heneicosane	296	C21H44	000629-94-7	87
4		Tridecane, 6-propyl-	226	C16H34	055045-10-8	83
5		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
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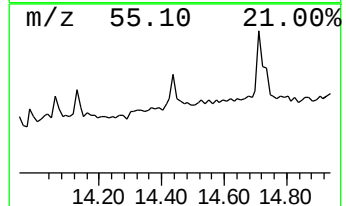
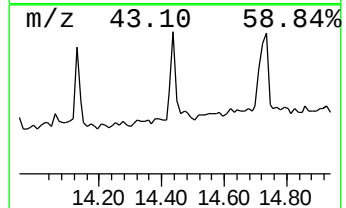
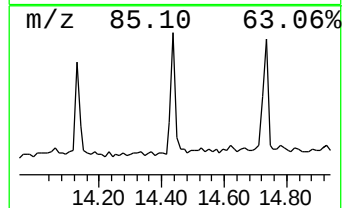
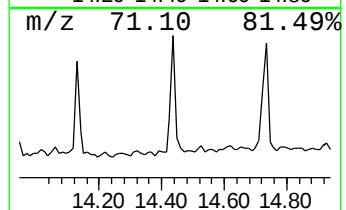
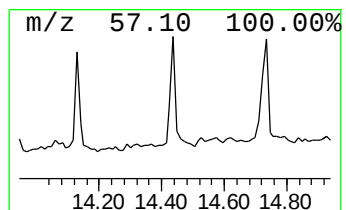
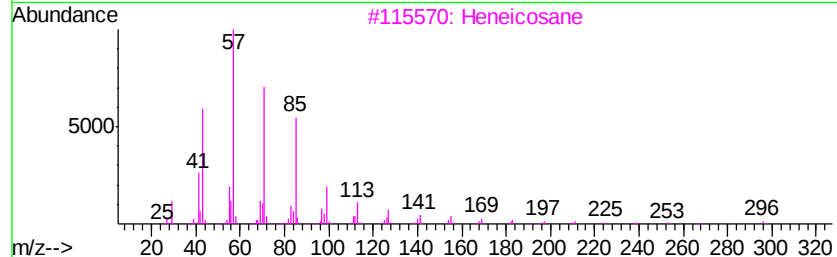
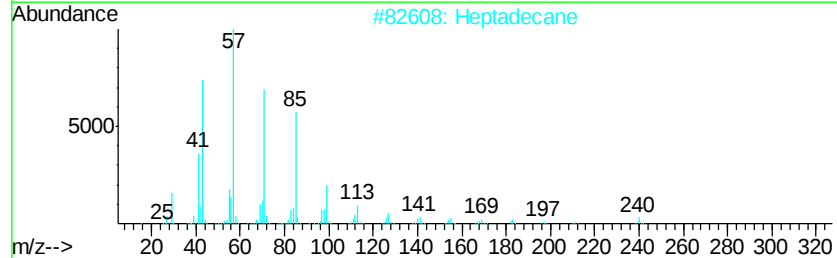
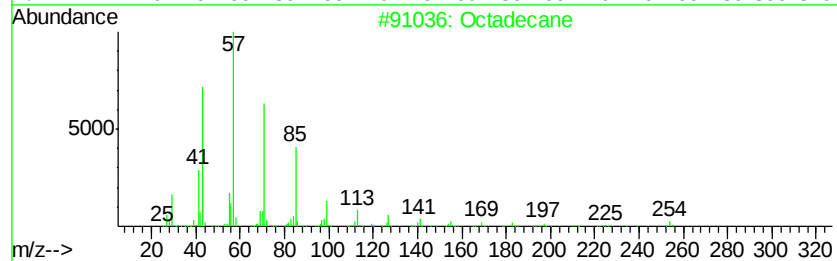
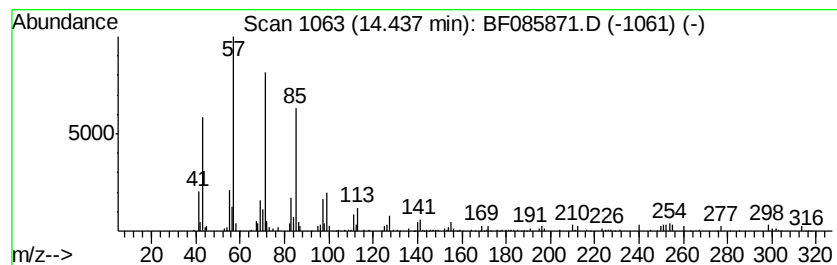
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	2.01 ng	71756	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	94
2		Heptadecane	240	C17H36	000629-78-7	93
3		Heneicosane	296	C21H44	000629-94-7	90
4		Pentadecane	212	C15H32	000629-62-9	87
5		Tetratriacontane	479	C34H70	014167-59-0	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
Data File : BF085871.D
Acq On : 30 Mar 2016 1:41
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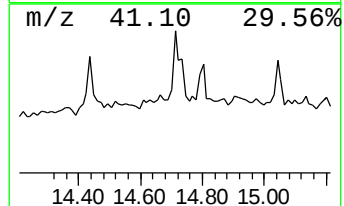
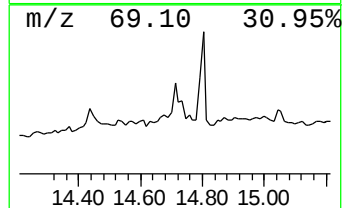
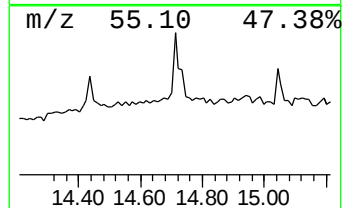
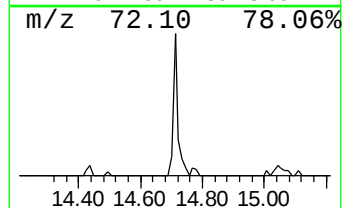
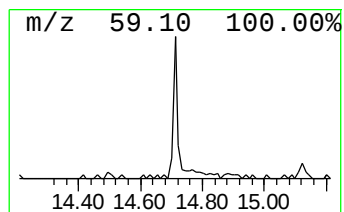
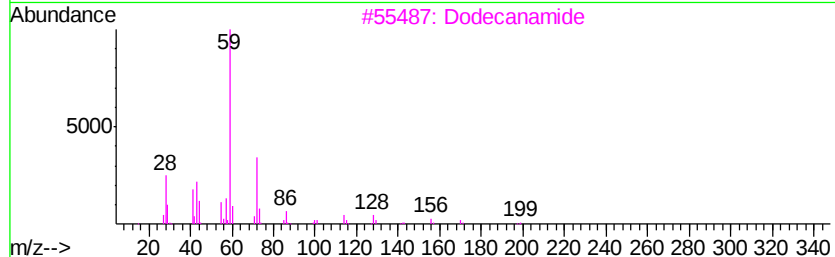
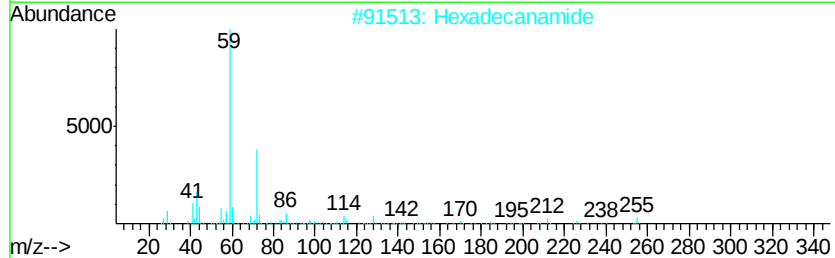
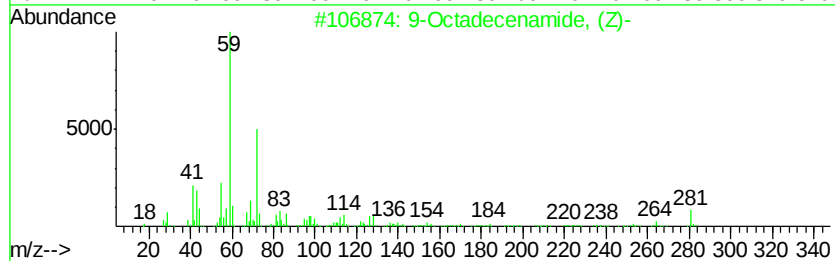
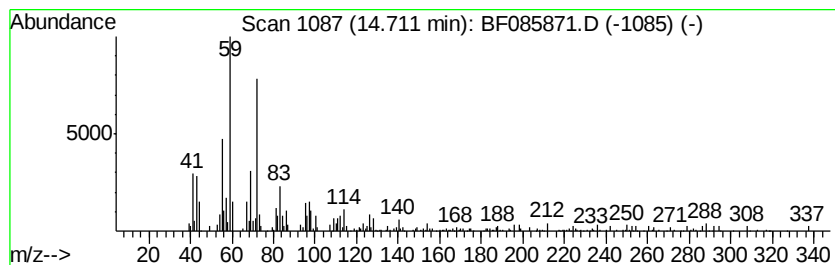
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9-Octadecenamide, (Z)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	5.95 ng	168477	Perylene-d12	15.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	50
2			Hexadecanamide	255	C16H33NO	000629-54-9	47
3			Dodecanamide	199	C12H25NO	001120-16-7	46
4			1,7-Octanediol, 3,7-dimethyl-	174	C10H22O2	000107-74-4	35
5			2,7-Dioxatricyclo[4.4.0.0(3,8)]d...	155	C8H13NO2	040076-28-6	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
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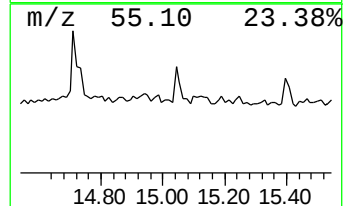
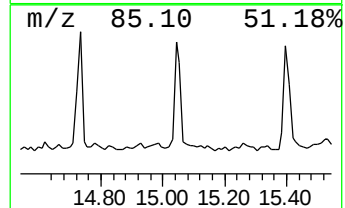
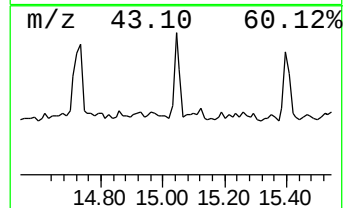
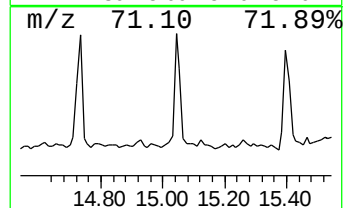
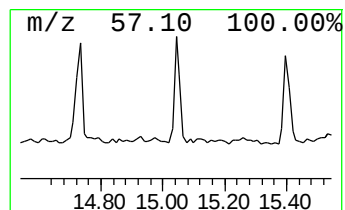
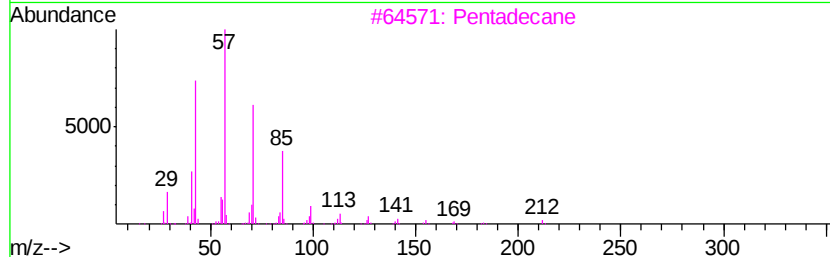
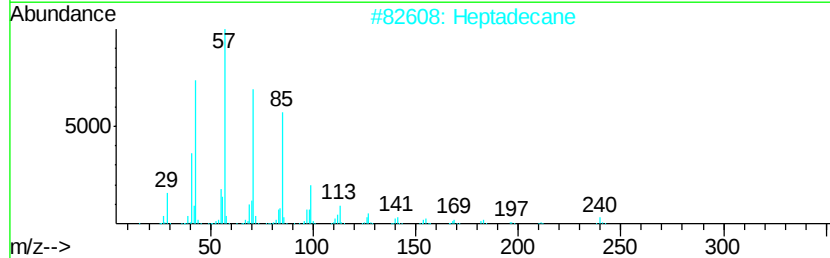
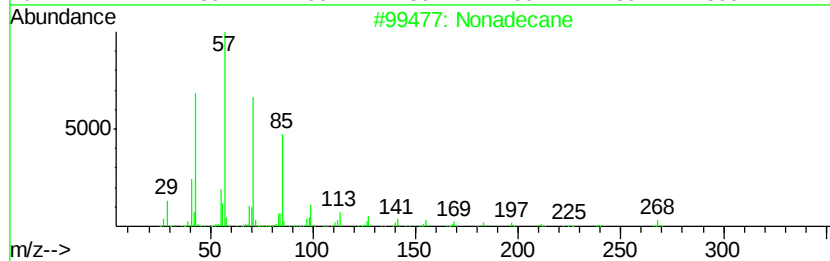
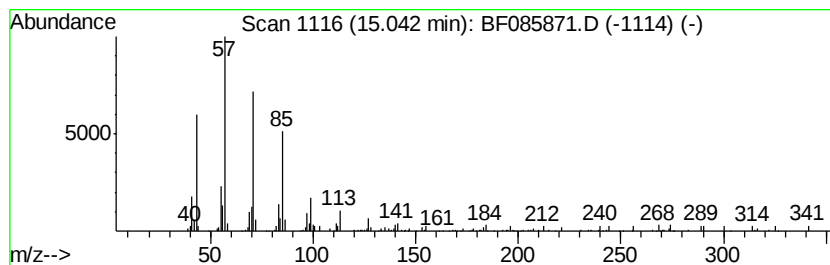
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	3.10 ng	87683	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	93
2		Heptadecane	240	C17H36	000629-78-7	93
3		Pentadecane	212	C15H32	000629-62-9	91
4		Hexadecane	226	C16H34	000544-76-3	87
5		Heneicosane	296	C21H44	000629-94-7	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
Data File : BF085871.D
Acq On : 30 Mar 2016 1:41
Operator : UM/SJ
Sample : H2023-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-4

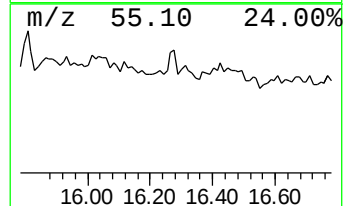
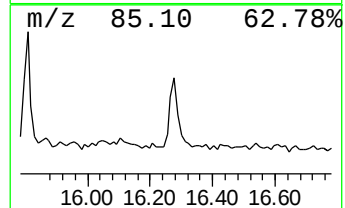
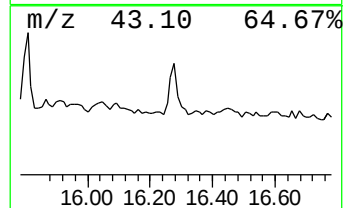
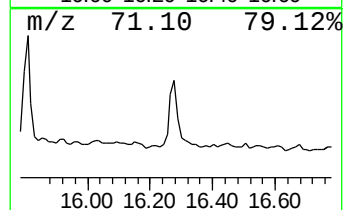
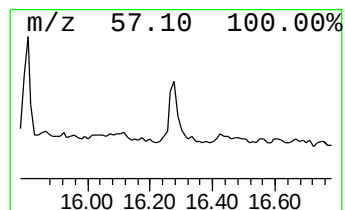
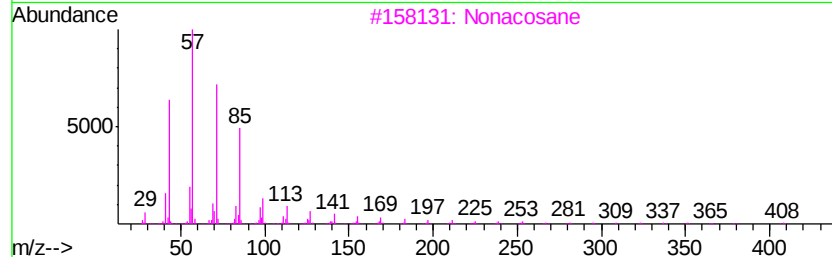
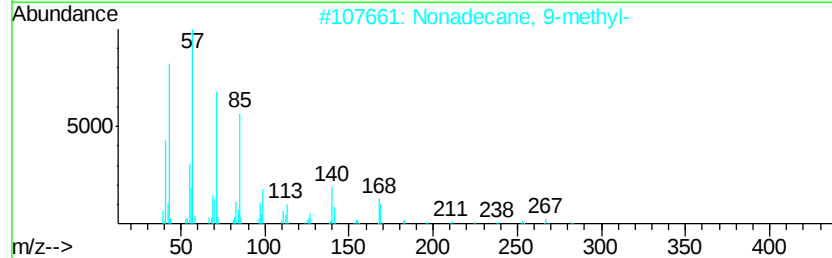
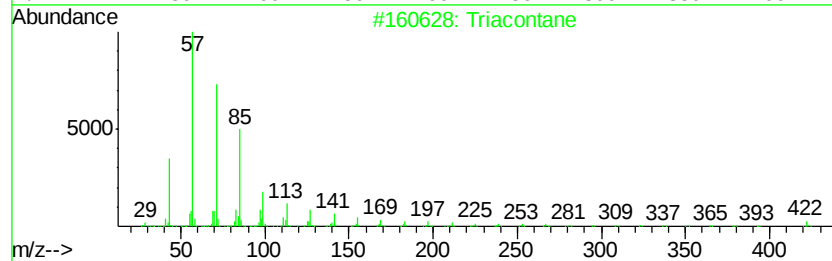
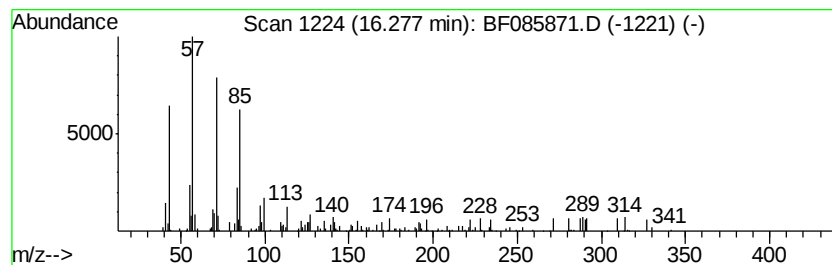
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Triacontane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	2.50 ng	70705	Perylene-d12	15.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triacontane	422	C30H62	000638-68-6	64
2			Nonadecane, 9-methyl-	282	C20H42	013287-24-6	64
3			Nonacosane	408	C29H60	000630-03-5	64
4			Nonadecane, 2,3-dimethyl-	296	C21H44	075163-99-4	59
5			Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
Data File : BF085871.D
Acq On : 30 Mar 2016 1:41
Operator : UM/SJ
Sample : H2023-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.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
2-Pentanone, 4-hy...	5.00	3.6	ng	113881	1	6.80	637339	20.0
unknown6.57	6.57	85.7	ng	2732120	1	6.80	637339	20.0
Heptadecane	9.78	2.1	ng	73768	3	9.84	704446	20.0
Tetradecane	10.28	2.7	ng	95068	3	9.84	704446	20.0
n-Hexadecanoic acid	11.86	7.9	ng	247929	4	11.33	631083	20.0
Tetradecanoic acid	12.64	3.8	ng	119579	4	11.33	631083	20.0
Phosphoric acid, ...	13.63	4.7	ng	166419	5	13.97	712645	20.0
Heptafluorobutano...	13.81	7.4	ng	262257	5	13.97	712645	20.0
Hexadecane	14.13	2.5	ng	87754	5	13.97	712645	20.0
Octadecane	14.44	2.0	ng	71756	5	13.97	712645	20.0
9-Octadecenamide, ...	14.71	6.0	ng	168477	6	15.39	566305	20.0
Nonadecane	15.04	3.1	ng	87683	6	15.39	566305	20.0
Triacontane	16.28	2.5	ng	70705	6	15.39	566305	20.0