

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
 Data File : BF089278.D
 Acq On : 25 Jul 2016 14:42
 Operator : UM/SJ
 Sample : H4150-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-1

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-BF072016.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	1.701	9	10	48	rVB	1960743	4363115	100.00%	40.131%
2	5.130	308	310	329	rBV	201822	288524	6.61%	2.654%
3	6.216	403	405	413	rBV	250528	319749	7.33%	2.941%
4	6.330	413	415	428	rVB	281131	348218	7.98%	3.203%
5	6.559	433	435	446	rBV	372879	388857	8.91%	3.577%
6	6.719	446	449	451	rBV	179445	241376	5.53%	2.220%
7	7.130	483	485	501	rBV	164691	203990	4.68%	1.876%
8	7.850	545	548	550	rBV	476161	506332	11.60%	4.657%
9	8.925	640	642	644	rBV	396231	335614	7.69%	3.087%
10	9.325	675	677	679	rBV	69543	55834	1.28%	0.514%
11	9.588	698	700	703	rBV	525759	544706	12.48%	5.010%
12	10.376	767	769	774	rBB	146397	160754	3.68%	1.479%
13	11.062	827	829	833	rBV	506107	472908	10.84%	4.350%
14	12.491	951	954	956	rBV	322236	311616	7.14%	2.866%
15	12.559	956	960	963	rVB2	33016	51135	1.17%	0.470%
16	12.639	965	967	970	rBV	187029	179887	4.12%	1.655%
17	13.188	1013	1015	1017	rBV	217936	204138	4.68%	1.878%
18	13.565	1045	1048	1050	rBV	39192	53606	1.23%	0.493%
19	13.679	1056	1058	1064	rBV	403009	454002	10.41%	4.176%
20	14.182	1099	1102	1105	rBV	51484	78944	1.81%	0.726%
21	14.468	1125	1127	1130	rBV2	48090	77253	1.77%	0.711%
22	14.662	1142	1144	1148	rBV3	22818	56528	1.30%	0.520%
23	14.754	1151	1152	1154	rBV	42324	54030	1.24%	0.497%
24	15.017	1173	1175	1178	rVV	195525	327173	7.50%	3.009%
25	15.074	1178	1180	1183	rVB	53000	68054	1.56%	0.626%
26	15.428	1208	1211	1219	rVB2	56335	136272	3.12%	1.253%
27	15.828	1244	1246	1254	rVB2	32393	72388	1.66%	0.666%
28	15.942	1254	1256	1264	rVB7	25729	60072	1.38%	0.553%
29	16.685	1318	1321	1328	rBV5	39367	130203	2.98%	1.198%
30	17.131	1357	1360	1364	rVB4	30647	83795	1.92%	0.771%
31	17.348	1374	1379	1385	rBV9	13424	71751	1.64%	0.660%
32	17.508	1391	1393	1402	rVB7	17573	52443	1.20%	0.482%
33	18.331	1460	1465	1473	rVB3	41839	118797	2.72%	1.093%

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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

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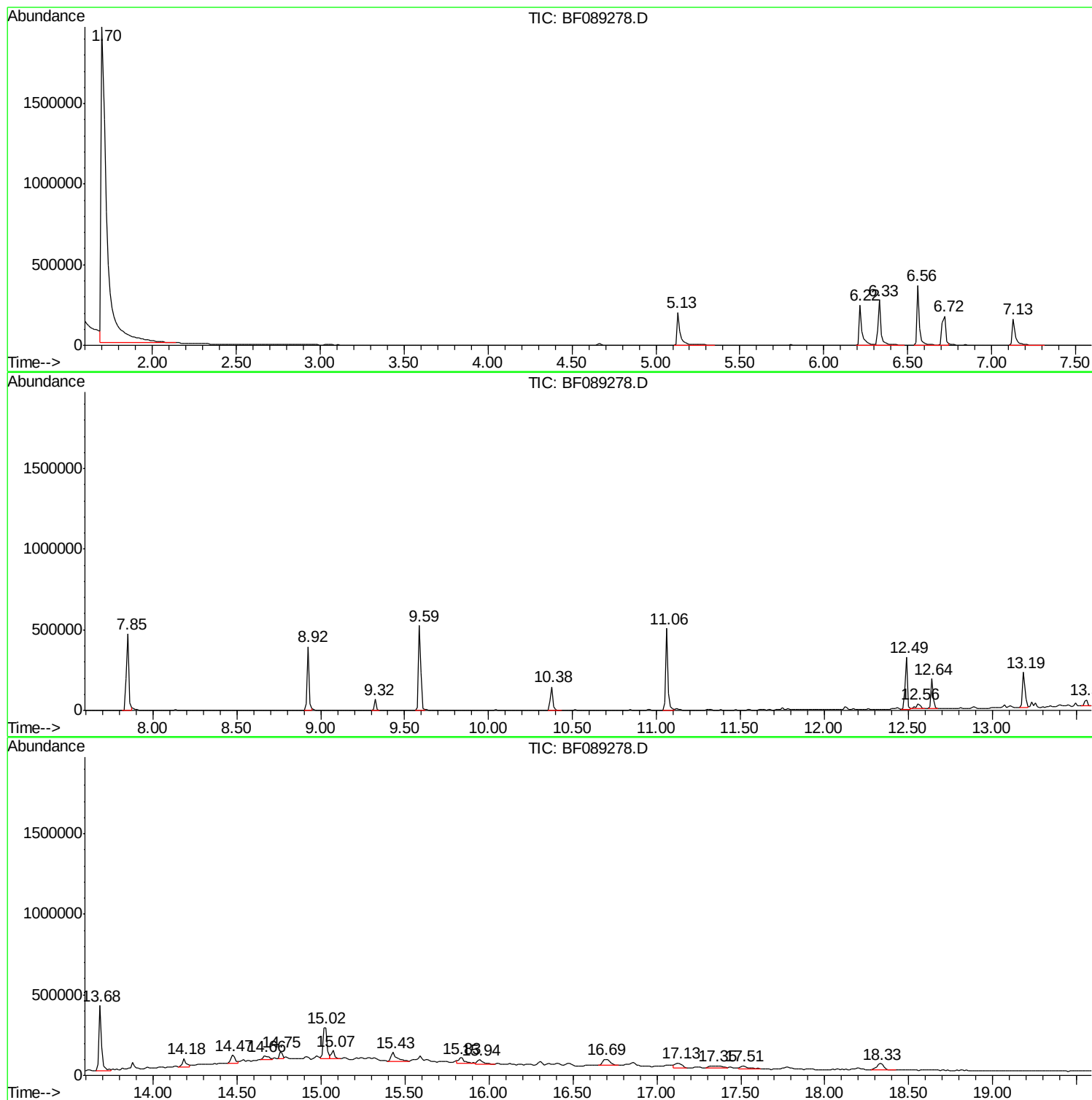
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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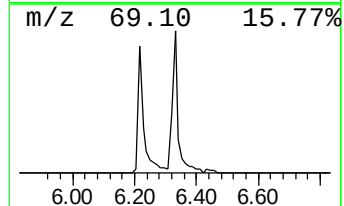
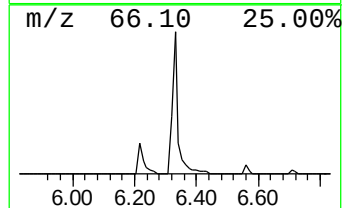
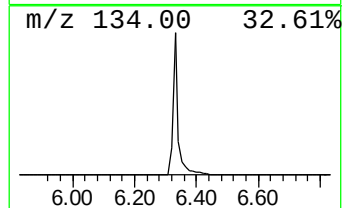
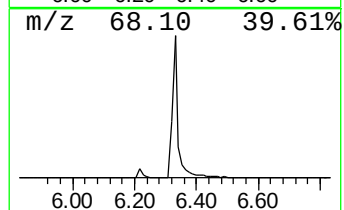
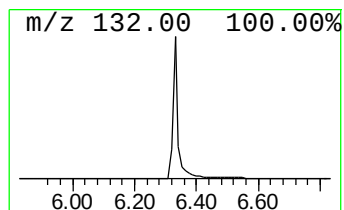
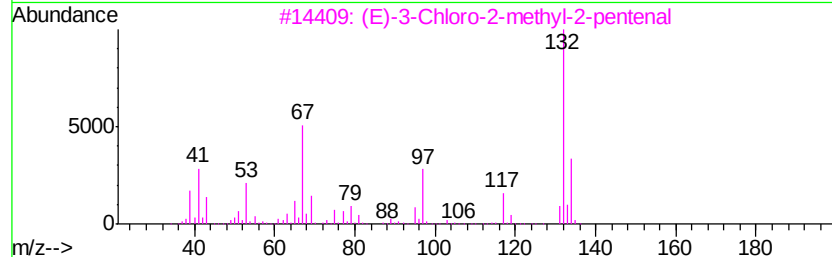
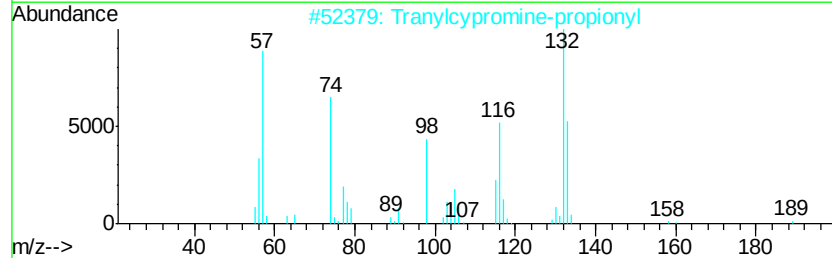
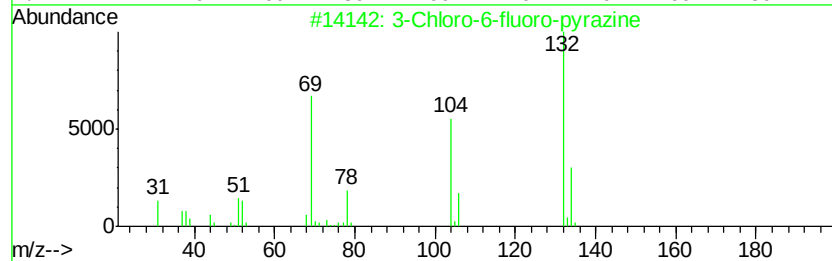
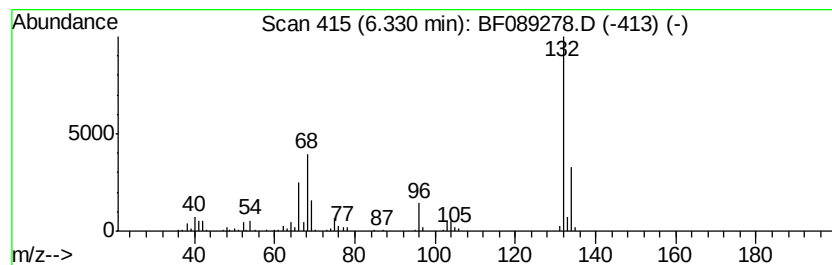
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TIC Library : C:\Database\NIST11.L
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Peak Number 2 unknown6.33 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	17.91 ng	348218	1,4-Dichlorobenzene-d4	6.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	10
4			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5			4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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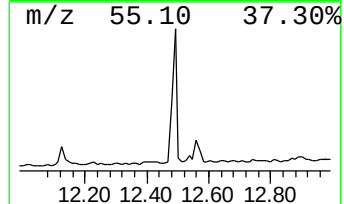
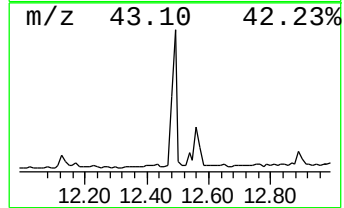
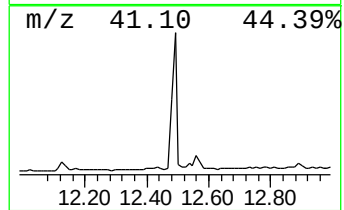
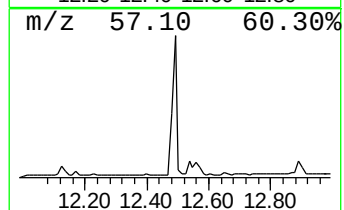
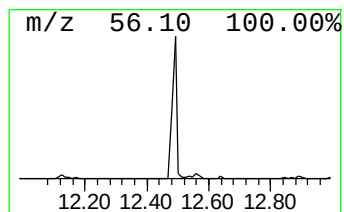
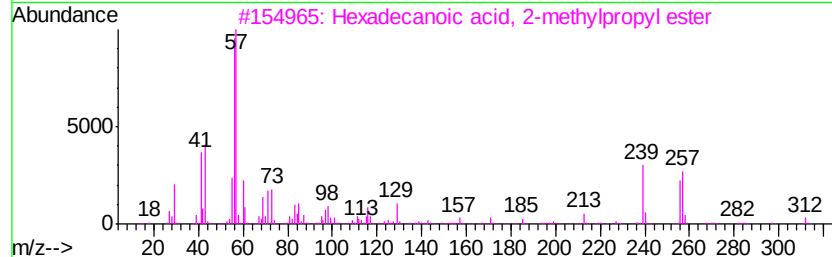
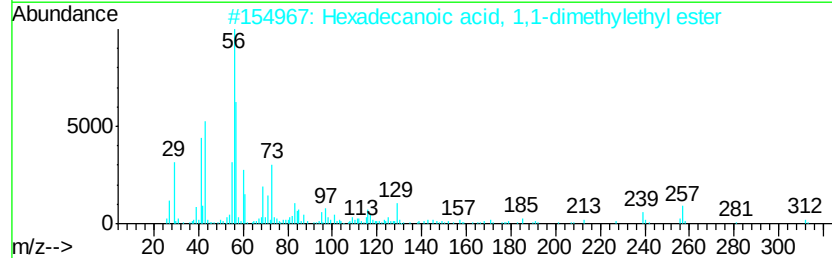
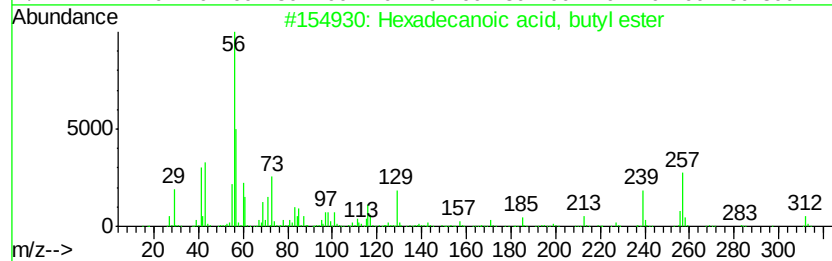
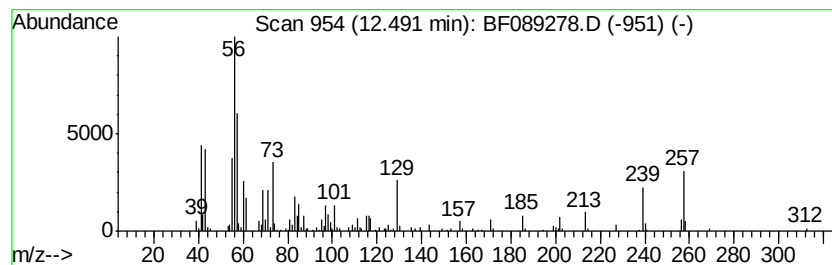
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Peak Number 5 Hexadecanoic acid, butyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	13.73 ng	311616	Chrysene-d12	13.68

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	91
2		Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	70
3		Hexadecanoic acid, 2-methylpropyl...	312	C20H40O2	000110-34-9	53
4		Nipecotic acid	129	C6H11NO2	000498-95-3	47
5		Cyclohexanamine	99	C6H13N	000108-91-8	22



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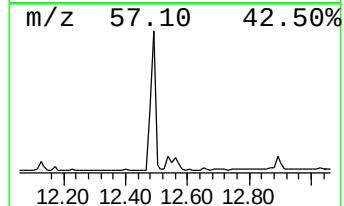
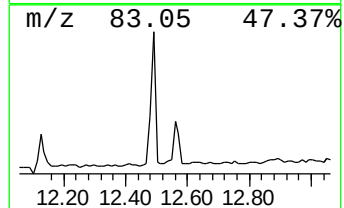
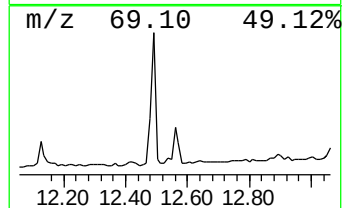
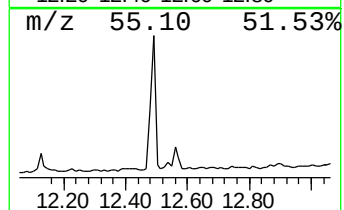
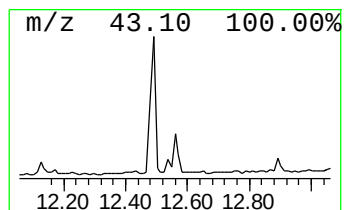
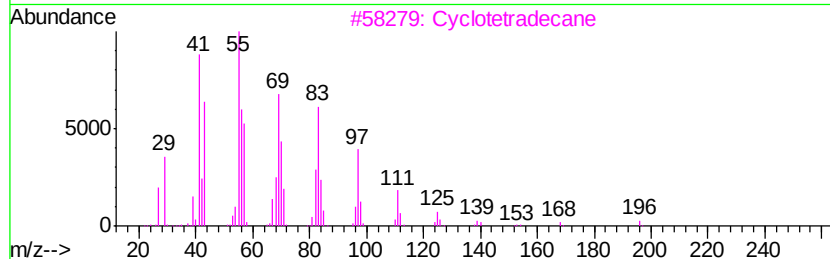
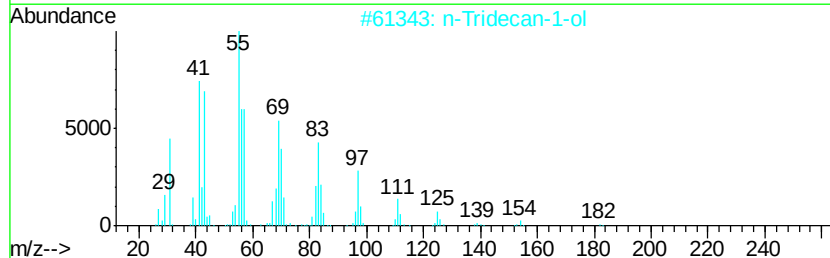
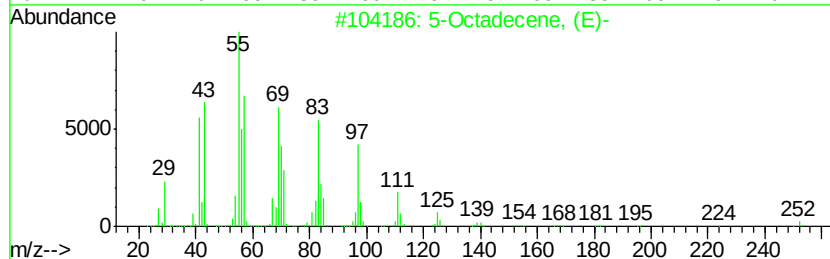
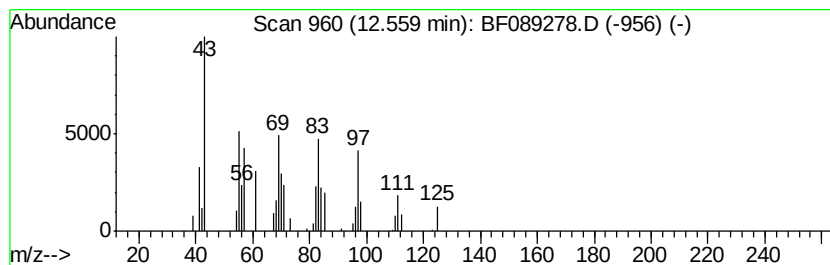
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 5-Octadecene, (E)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	2.25 ng	51135	Chrysene-d12	13.68

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Octadecene, (E)-		252	C18H36	007206-21-5	72
2	n-Tridecan-1-ol		200	C13H28O	000112-70-9	64
3	Cyclotetradecane		196	C14H28	000295-17-0	64
4	1-Tridecene		182	C13H26	002437-56-1	53
5	5-Tridecene, (Z)-		182	C13H26	025524-42-9	35



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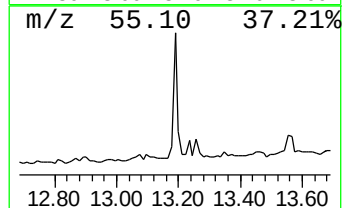
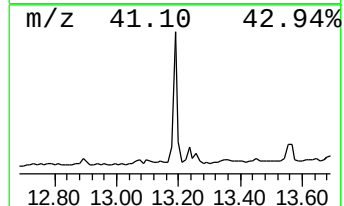
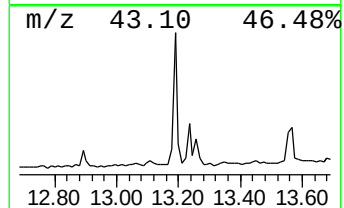
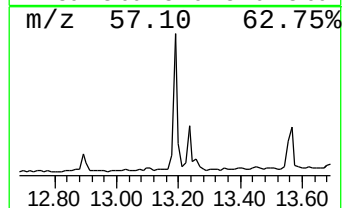
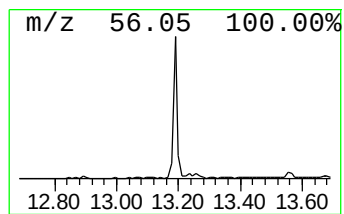
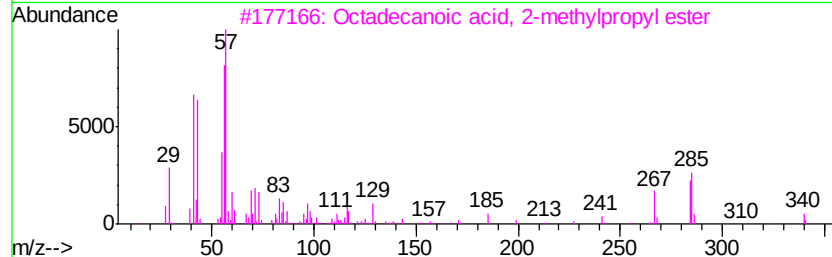
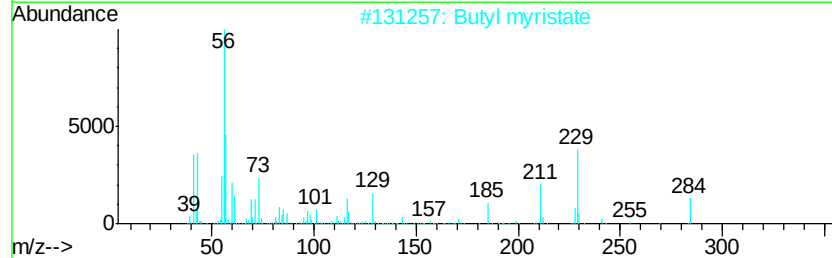
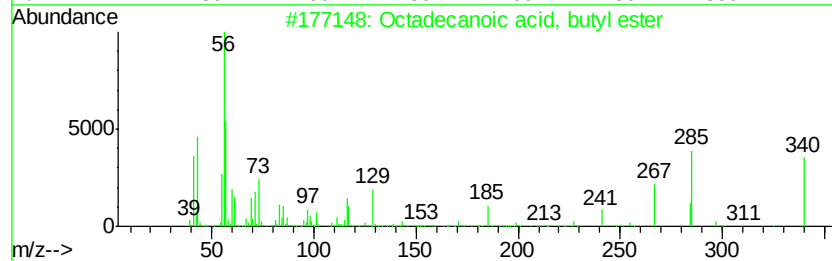
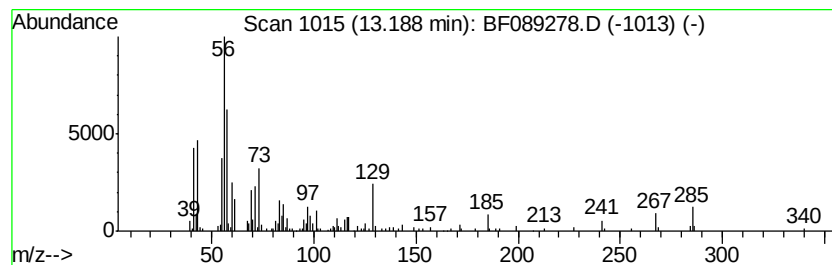
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Octadecanoic acid, butyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	8.99 ng	204138	Chrysene-d12	13.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	91
2		Butyl myristate	284	C18H36O2	000110-36-1	80
3		Octadecanoic acid, 2-methylpropyl ester	340	C22H44O2	000646-13-9	35
4		2-Methyl-1-octadecene	266	C19H38	061868-20-0	35
5		1-Heptene, 2-methyl-	112	C8H16	015870-10-7	30



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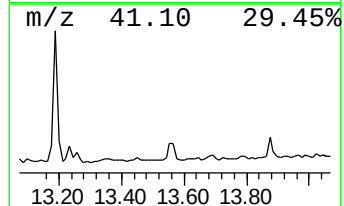
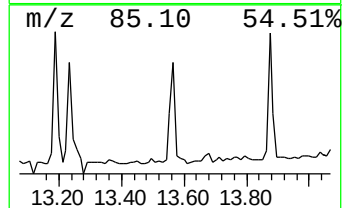
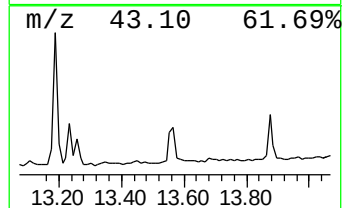
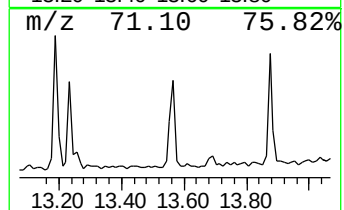
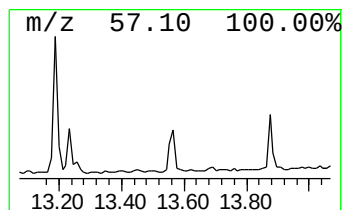
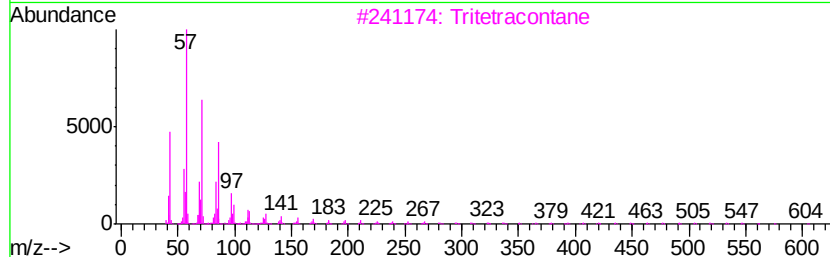
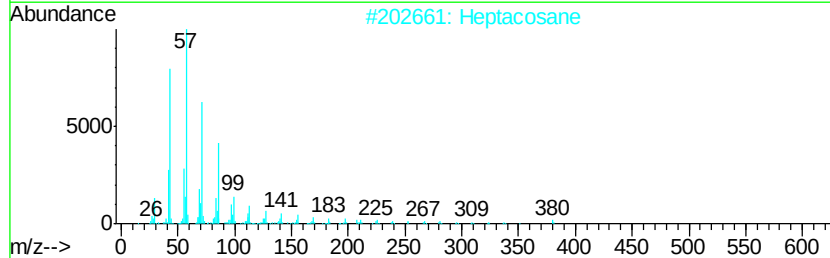
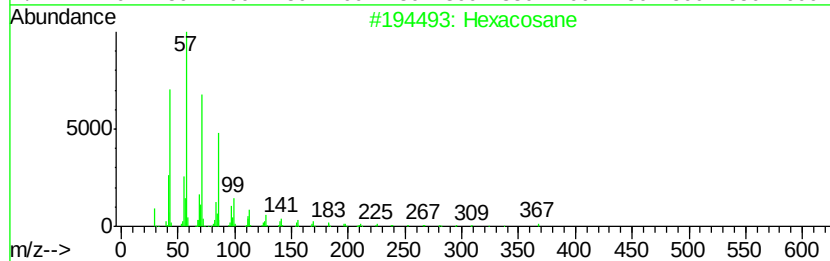
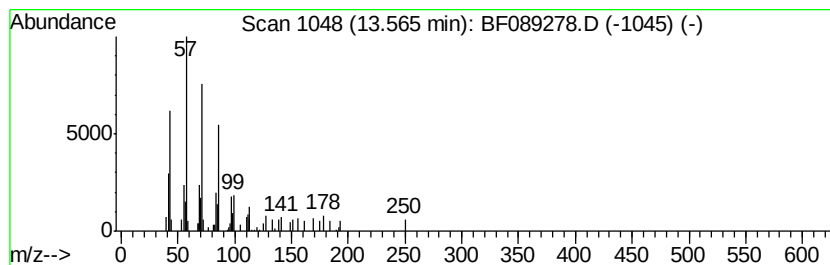
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TIC Library : C:\Database\NIST11.L
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Peak Number 8 Hexacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	2.36 ng	53606	Chrysene-d12	13.68

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane		366	C26H54	000630-01-3	91
2	Heptacosane		380	C27H56	000593-49-7	91
3	Tritetracontane		605	C43H88	007098-21-7	91
4	Hentriacontane		437	C31H64	000630-04-6	90
5	Tetratetracontane		619	C44H90	007098-22-8	90



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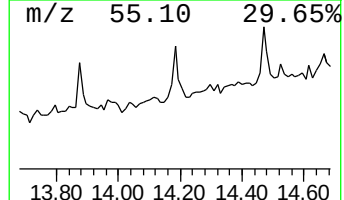
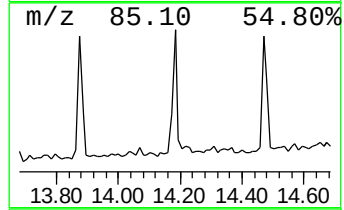
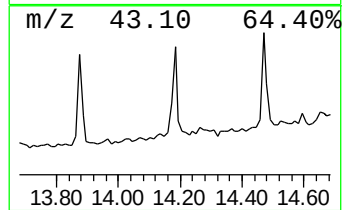
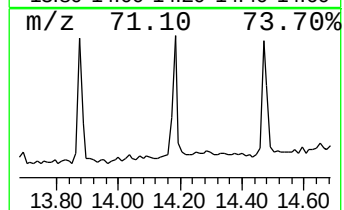
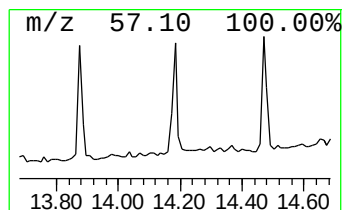
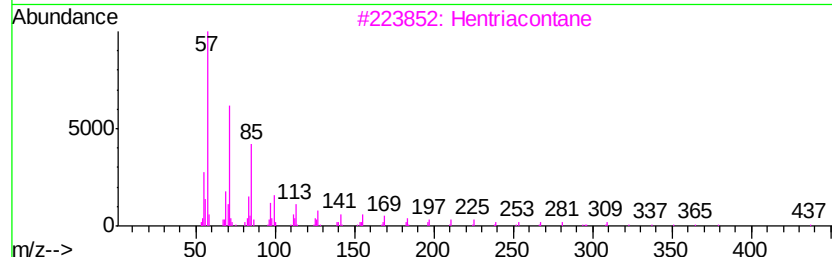
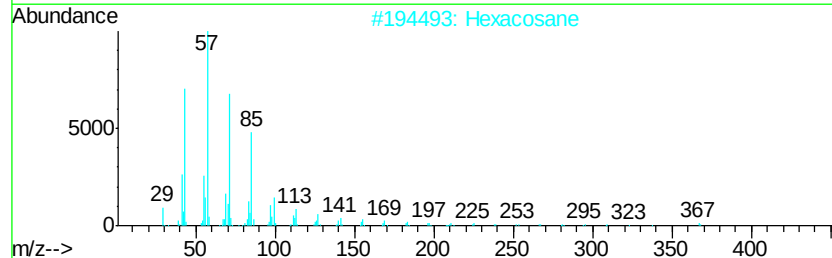
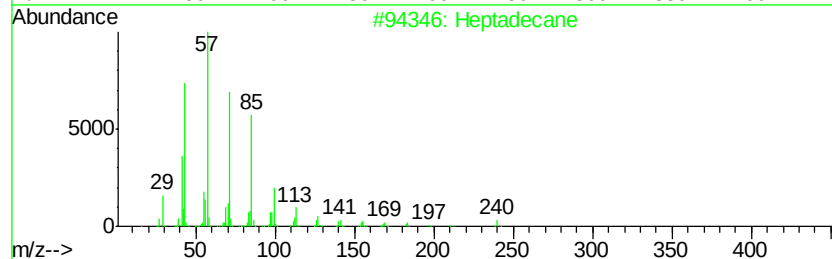
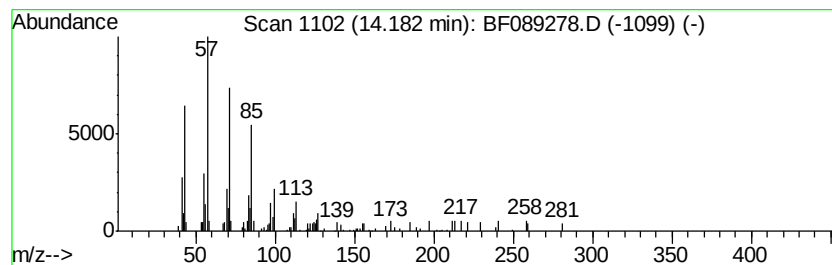
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Heptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	3.48 ng	78944	Chrysene-d12	13.68

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	97
2			Hexacosane	366	C26H54	000630-01-3	87
3			Hentriacontane	437	C31H64	000630-04-6	87
4			Hexatriacontane	507	C36H74	000630-06-8	86
5			Heptacosane	380	C27H56	000593-49-7	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
Data File : BF089278.D
Acq On : 25 Jul 2016 14:42
Operator : UM/SJ
Sample : H4150-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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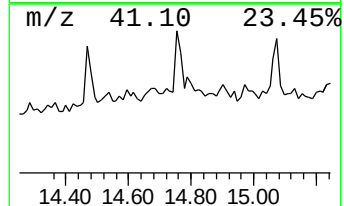
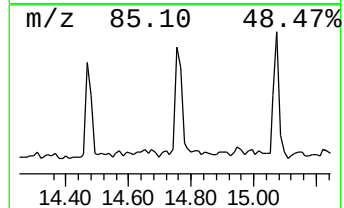
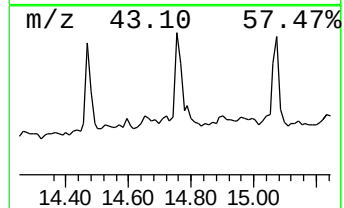
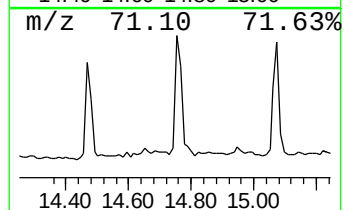
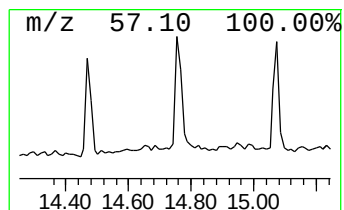
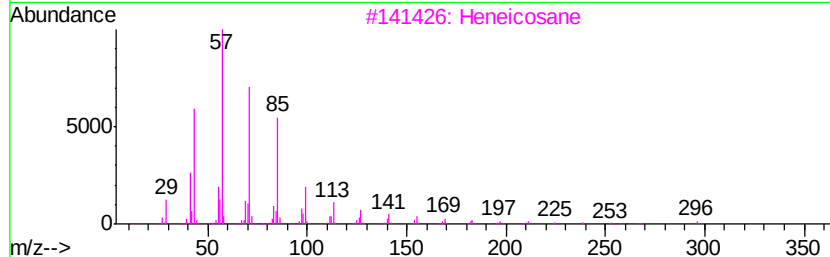
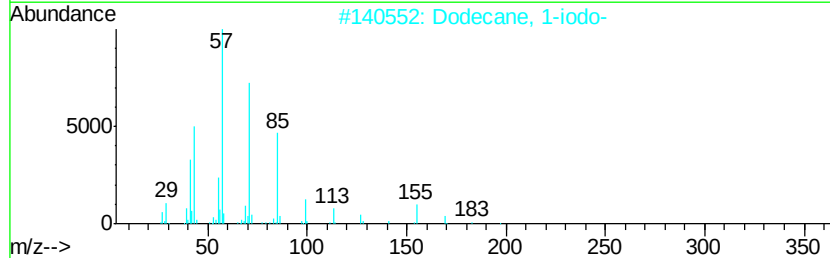
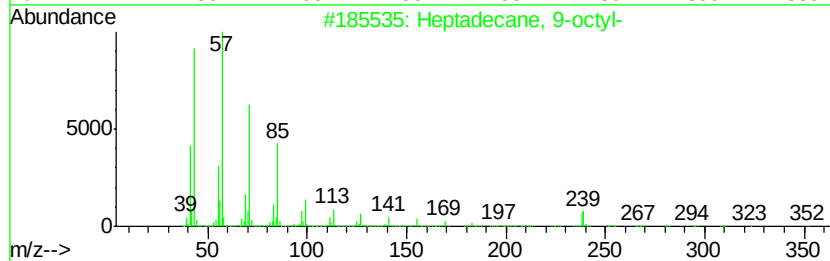
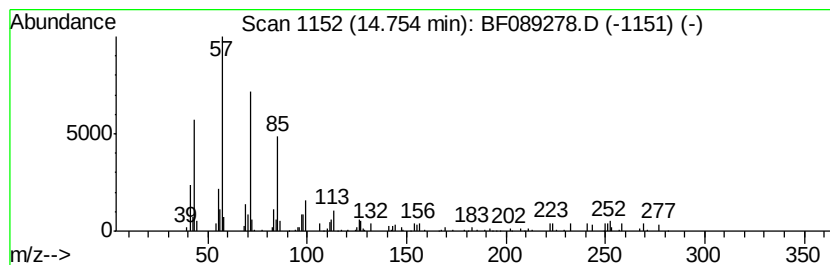
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heptadecane, 9-octyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	3.30 ng	54030	Perylene-d12	15.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	58
2		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	58
3		Heneicosane	296	C21H44	000629-94-7	58
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	52
5		Hexadecane	226	C16H34	000544-76-3	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
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Sample : H4150-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

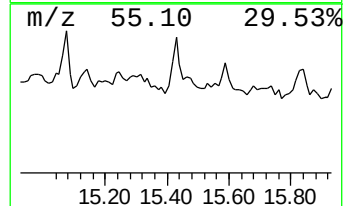
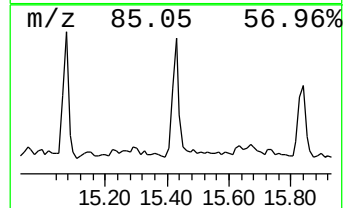
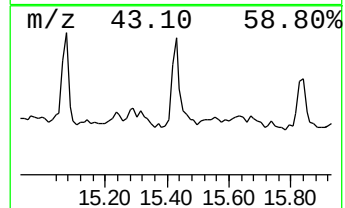
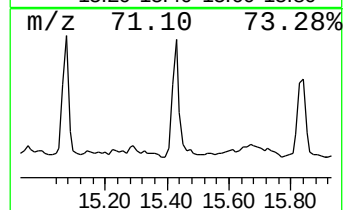
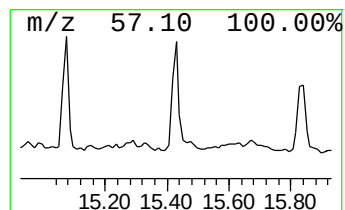
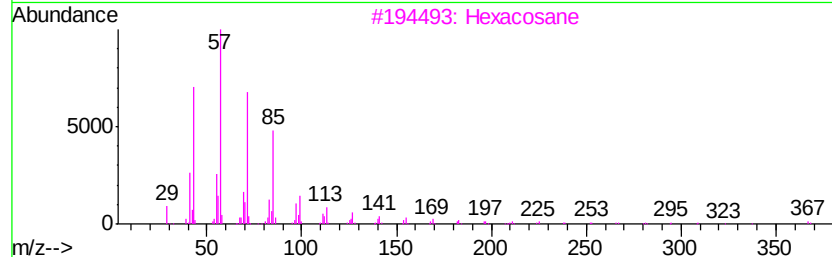
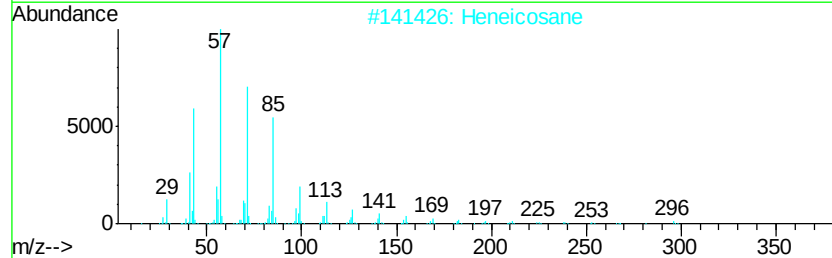
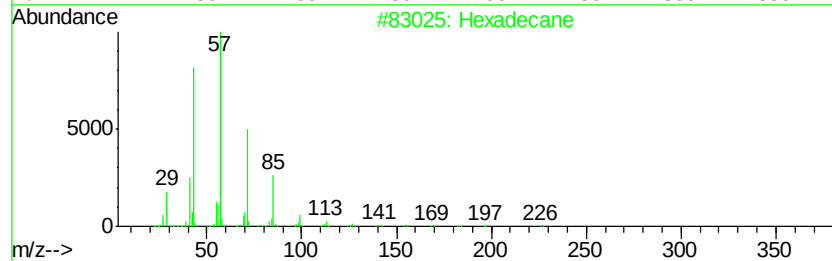
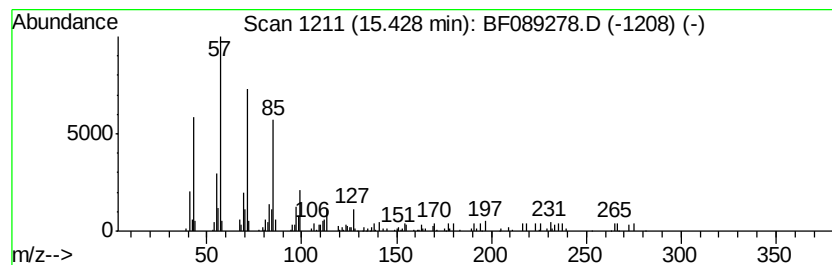
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.43	8.33 ng	136272	Perylene-d12		15.03	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane	226	C16H34	000544-76-3	96
2		Heneicosane	296	C21H44	000629-94-7	81
3		Hexacosane	366	C26H54	000630-01-3	81
4		Heptadecane	240	C17H36	000629-78-7	74
5		2-methyloctacosane	408	C29H60	1000376-72-8	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089278.D
Acq On : 25 Jul 2016 14:42
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Sample : H4150-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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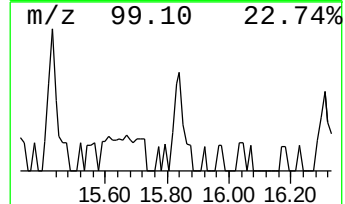
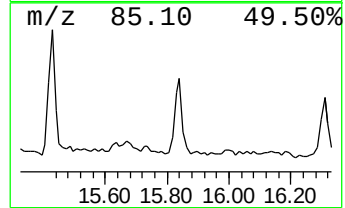
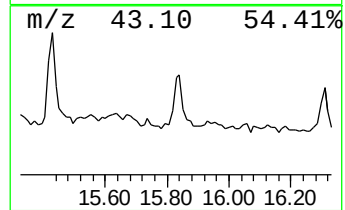
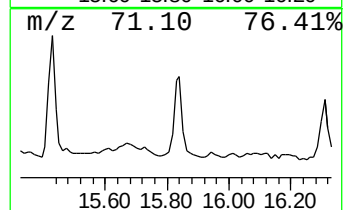
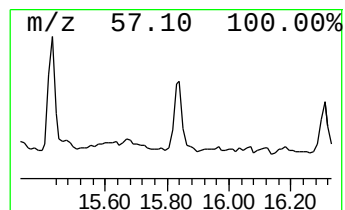
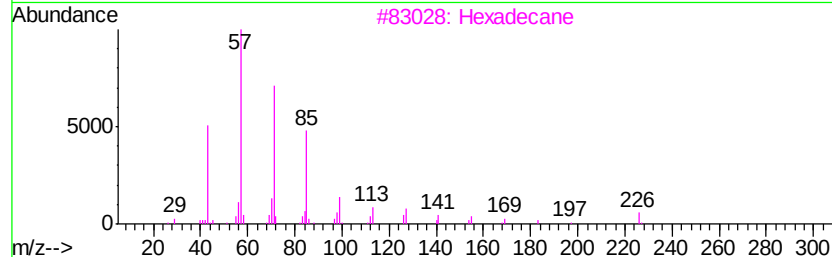
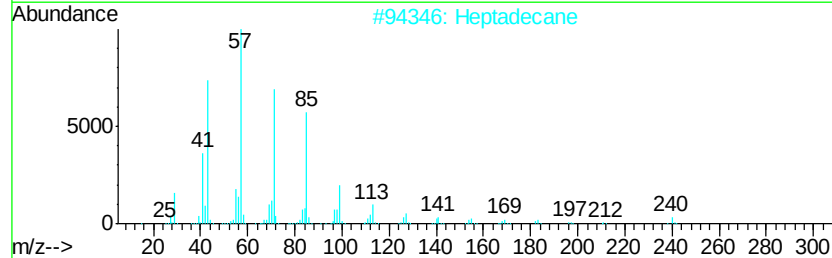
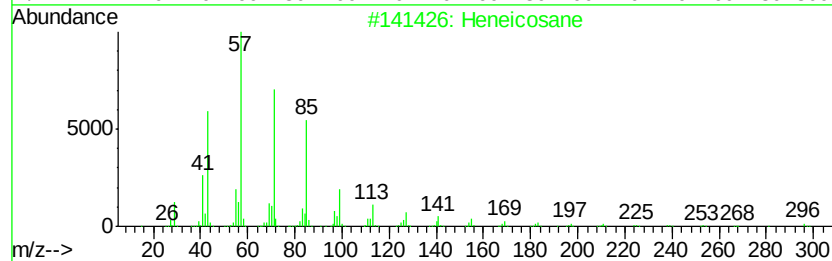
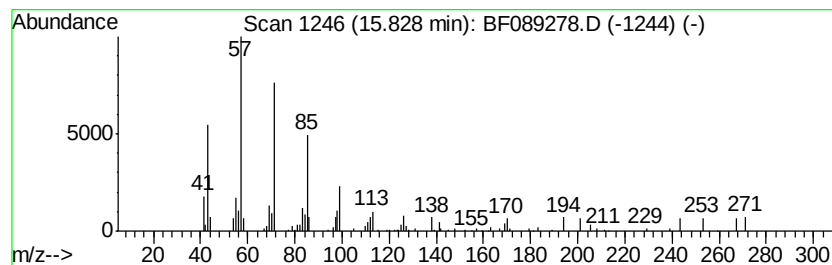
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	4.43 ng	72388	Perylene-d12	15.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	80
2		Heptadecane	240	C17H36	000629-78-7	80
3		Hexadecane	226	C16H34	000544-76-3	72
4		Dodecane	170	C12H26	000112-40-3	72
5		Tetracosane	338	C24H50	000646-31-1	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089278.D
Acq On : 25 Jul 2016 14:42
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Sample : H4150-01 5X
Misc :
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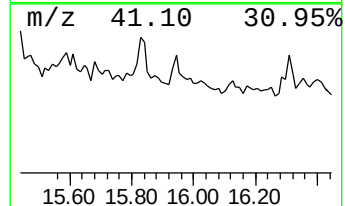
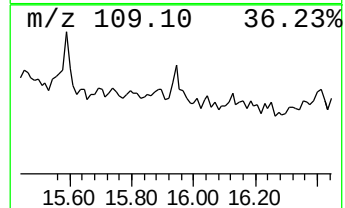
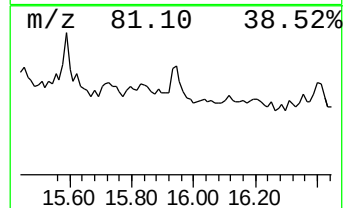
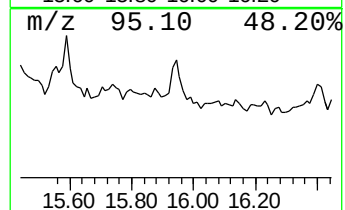
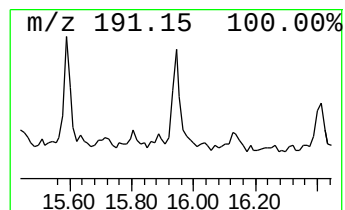
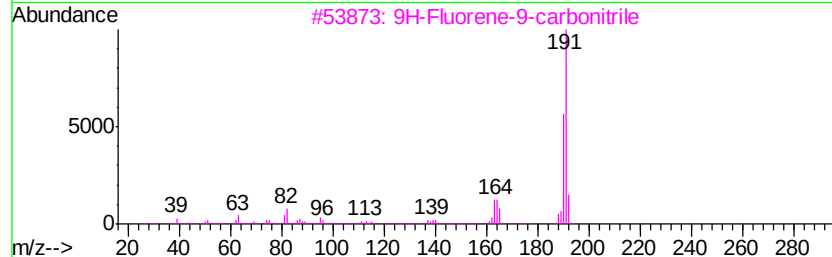
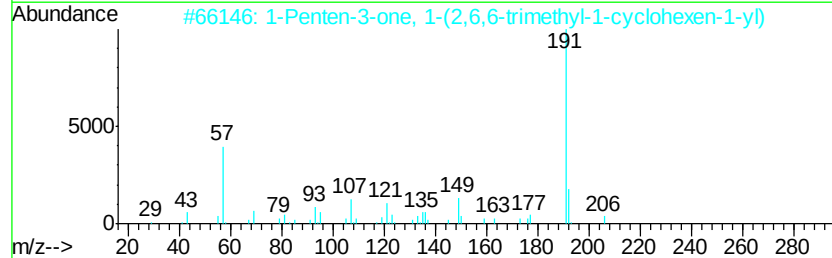
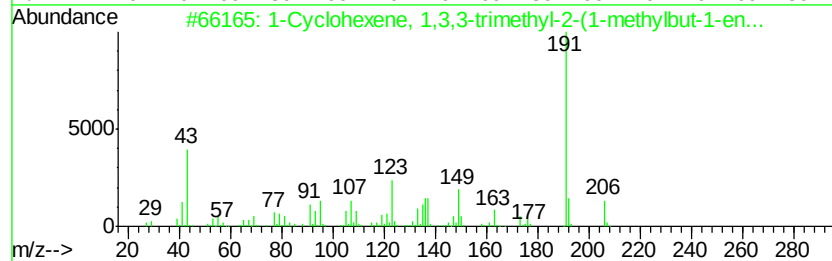
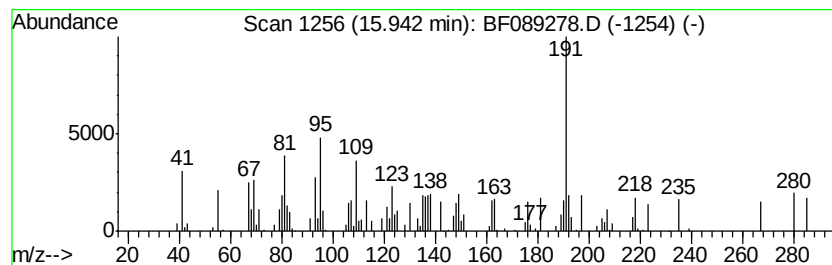
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown15.94 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	3.67 ng	60072	Perylene-d12	15.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	46
2		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	46
3		9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	32
4		Silane, dimethyl(dimethyl(2,6-di...	356	C18H36O3Si2	1000347-91-3	27
5		Anthracene, 9-[2,2-bis(hydroxyme...	280	C19H20O2	144000-85-1	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
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Sample : H4150-01 5X
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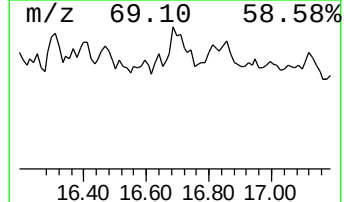
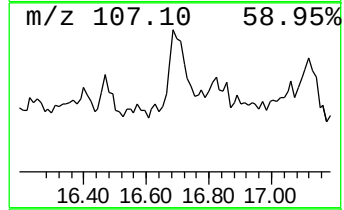
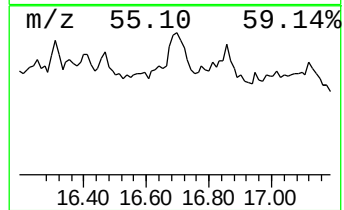
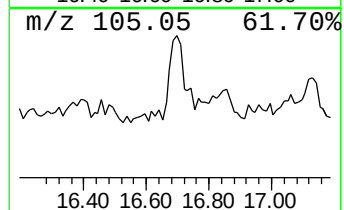
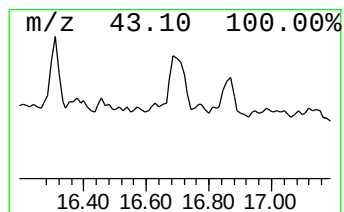
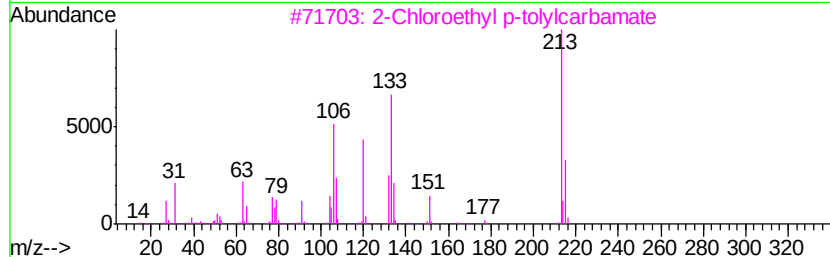
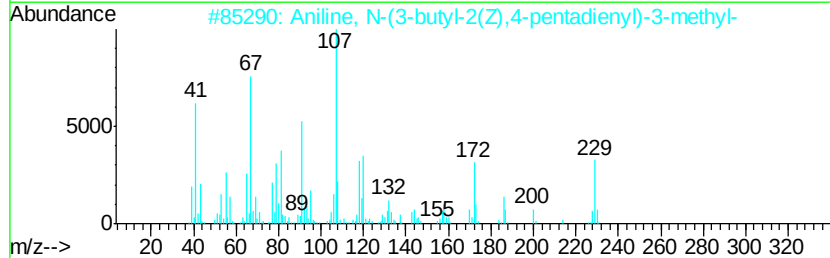
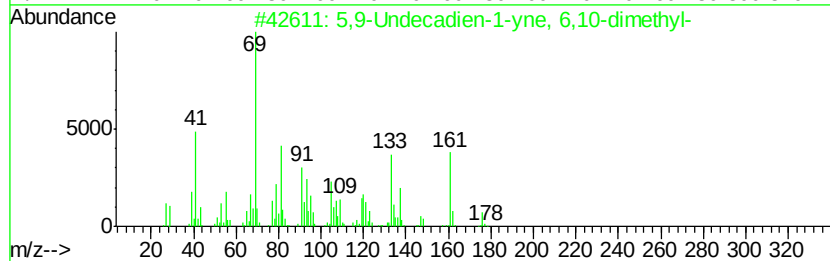
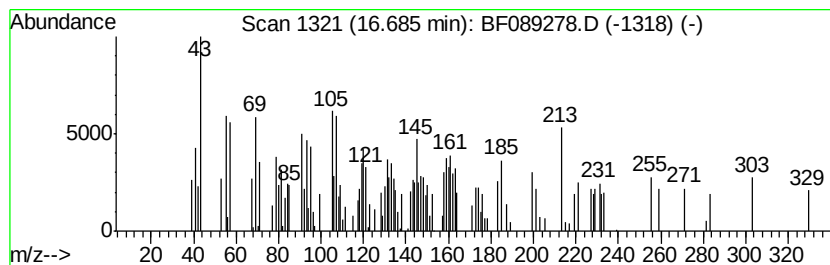
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown16.69 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.69	7.96 ng	130203	Perylene-d12	15.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,9-Undecadien-1-yne, 6,10-dimet...	176	C13H20	100451-98-7	20
2	Aniline, N-(3-butyl-2(Z),4-penta...	229	C16H23N	1000142-27-8	10
3	2-Chloroethyl p-tolylcarbamate	213	C10H12ClN02	074552-28-6	10
4	Bicyclo[2.2.1]heptane, 2-cyclopr...	176	C13H20	1000159-45-7	10
5	p-Acrylotoluidide	161	C10H11NO	007766-36-1	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
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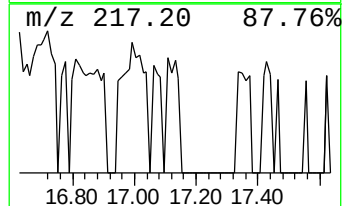
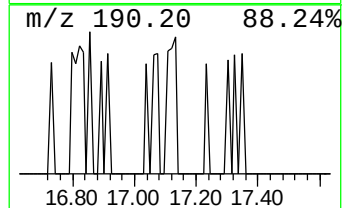
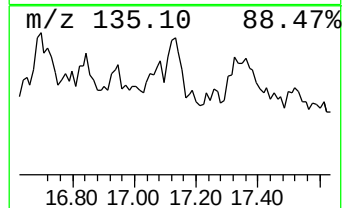
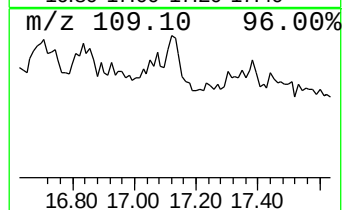
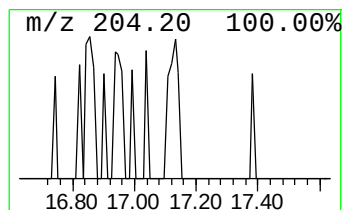
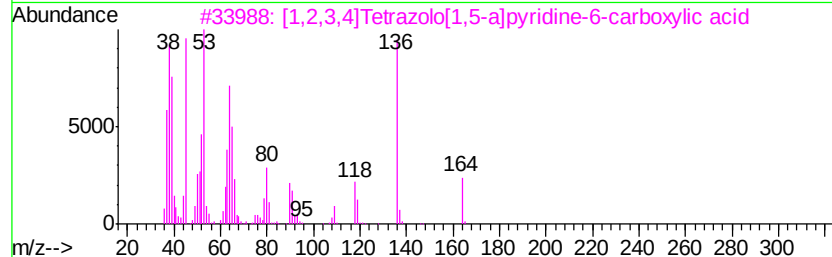
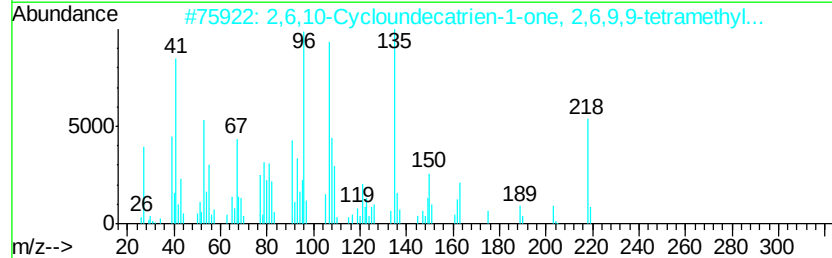
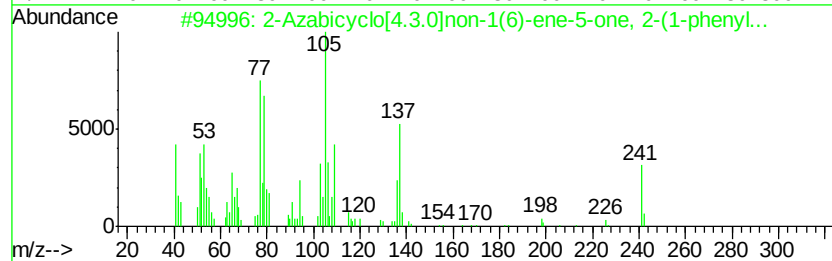
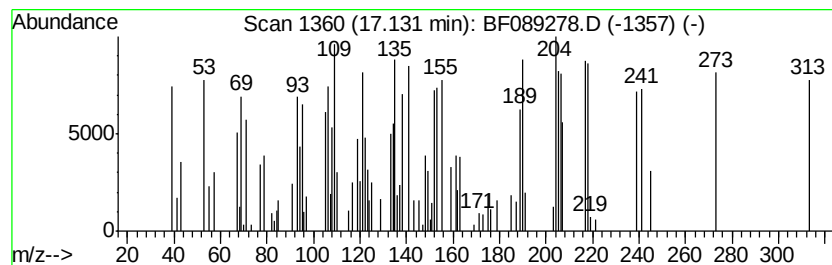
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown17.13 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	5.12 ng	83795	Perylene-d12	15.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Azabicyclo[4.3.0]non-1(6)-ene-...	241	C16H19NO	1000298-92-8	25
2		2,6,10-Cycloundecatrien-1-one, 2...	218	C15H22O	000471-05-6	25
3		[1,2,3,4]Tetrazolo[1,5-a]pyridin...	164	C6H4N4O2	1000362-60-7	20
4		Furazan-3-carbohydrazide, 4-amino-	143	C3H5N5O2	246048-72-6	20
5		Naphthalene, 1,4-dihydro-1,4-bis...	206	C12H6N4	090343-28-5	16



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089278.D
Acq On : 25 Jul 2016 14:42
Operator : UM/SJ
Sample : H4150-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

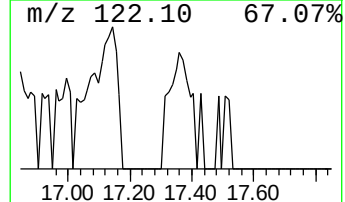
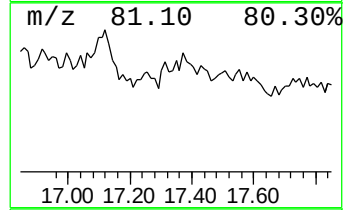
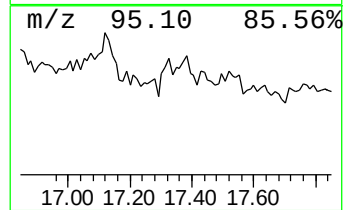
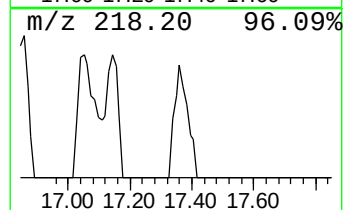
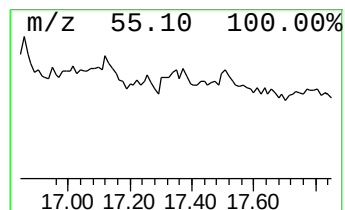
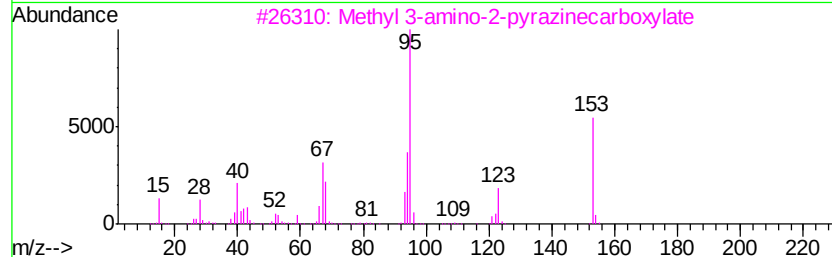
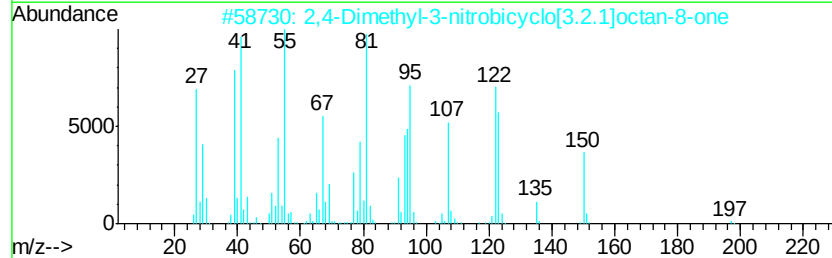
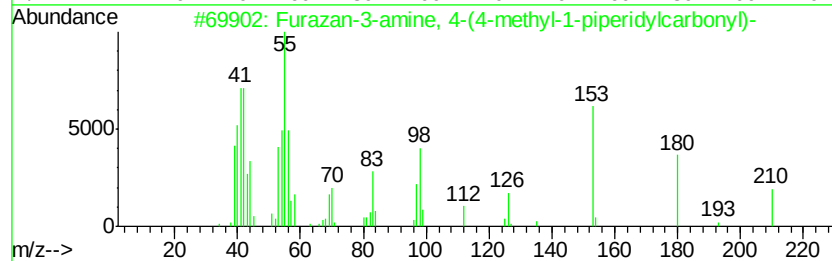
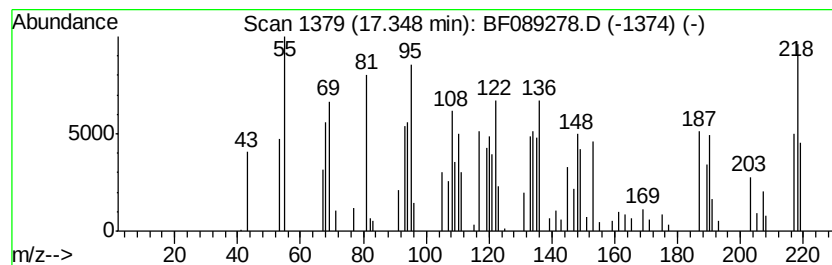
Instrument :
BNA_F
ClientSampleId :
TS-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown17.35 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	4.39 ng	71751	Perylene-d12	15.03
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Furazan-3-amine, 4-(4-methyl-1-p...	210 C9H14N4O2	349497-89-8 18
2		2,4-Dimethyl-3-nitrobicyclo[3.2....	197 C10H15N03	1000192-17-3 12
3		Methyl 3-amino-2-pyrazinecarboxy...	153 C6H7N3O2	016298-03-6 11
4		(E)-2-Butenylcyclopropane	96 C7H12	076588-98-2 11
5		9-Phenyl-5H-benzocycloheptene	218 C17H14	138089-71-1 11



Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089278.D
Acq On : 25 Jul 2016 14:42
Operator : UM/SJ
Sample : H4150-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

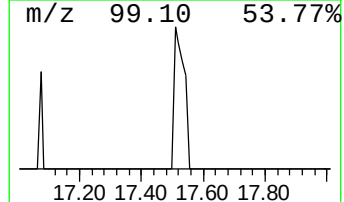
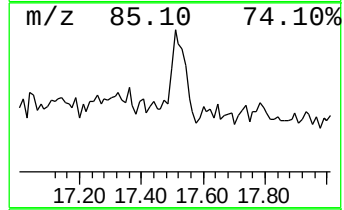
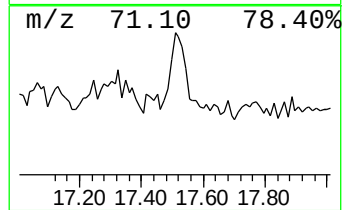
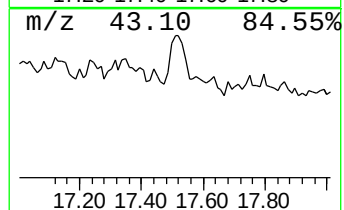
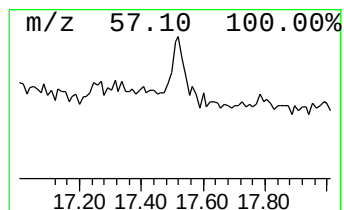
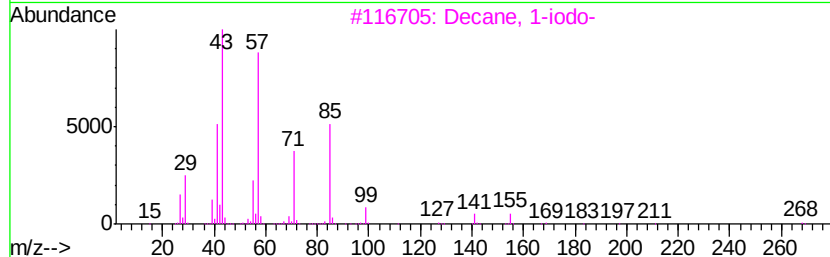
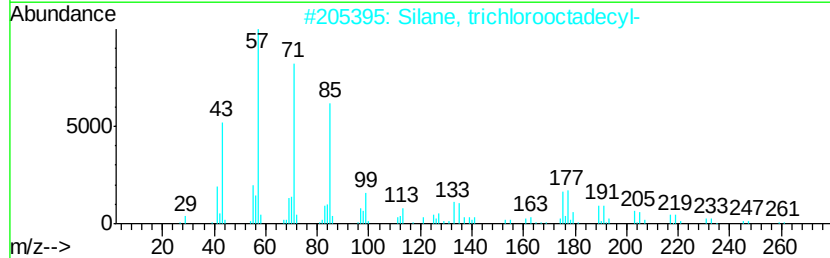
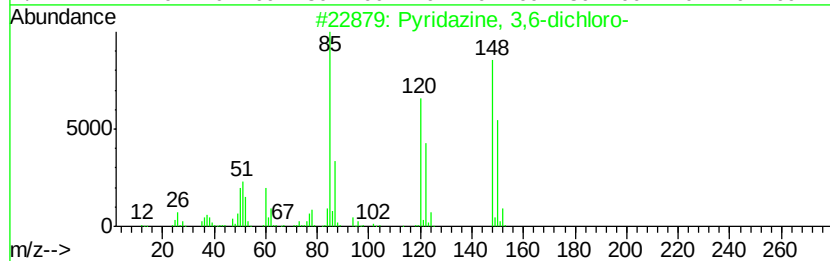
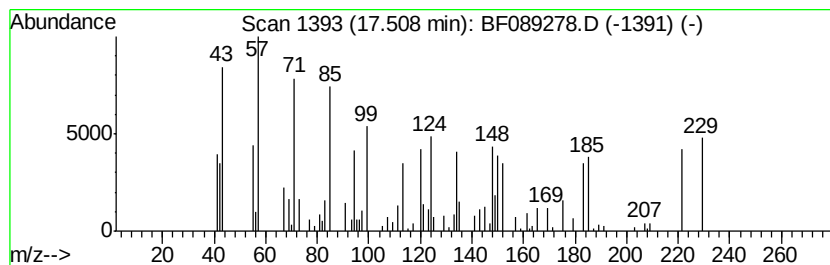
Instrument :
BNA_F
ClientSampleId :
TS-1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown17.51 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.51	3.21 ng	52443	Perylene-d12	15.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridazine, 3,6-dichloro-	148	C4H2Cl2N2	000141-30-0	35
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	10
3	Decane, 1-iodo-	268	C10H21I	002050-77-3	10
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	10
5	Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
 Data File : BF089278.D
 Acq On : 25 Jul 2016 14:42
 Operator : UM/SJ
 Sample : H4150-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.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
unknown6.33	6.33	17.9	ng	348218	1	6.56	388857	20.0
Hexadecanoic acid...	12.49	13.7	ng	311616	5	13.68	454002	20.0
5-Octadecene, (E)-	12.56	2.3	ng	51135	5	13.68	454002	20.0
Octadecanoic acid...	13.19	9.0	ng	204138	5	13.68	454002	20.0
Hexacosane	13.57	2.4	ng	53606	5	13.68	454002	20.0
Heptadecane	14.18	3.5	ng	78944	5	13.68	454002	20.0
Heptadecane, 9-oc...	14.75	3.3	ng	54030	6	15.03	327173	20.0
Hexadecane	15.43	8.3	ng	136272	6	15.03	327173	20.0
Heneicosane	15.83	4.4	ng	72388	6	15.03	327173	20.0
unknown15.94	15.94	3.7	ng	60072	6	15.03	327173	20.0
unknown16.69	16.69	8.0	ng	130203	6	15.03	327173	20.0
unknown17.13	17.13	5.1	ng	83795	6	15.03	327173	20.0
unknown17.35	17.35	4.4	ng	71751	6	15.03	327173	20.0
unknown17.51	17.51	3.2	ng	52443	6	15.03	327173	20.0
(R)-(-)-14-Methyl...	18.33	7.3	ng	118797	6	15.03	327173	20.0