

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
 Data File : BF083572.D
 Acq On : 7 Dec 2015 22:57
 Operator : UM/IZ
 Sample : G4579-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5(8-14)

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-BF120415.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	3.516	158	160	161	rBV	113202	159890	2.94%	0.331%
2	3.550	161	163	177	rVB	1048722	2027200	37.32%	4.202%
3	3.996	200	202	221	rBV	3972511	5187042	95.50%	10.752%
4	5.287	312	315	324	rBV	3749306	5431336	100.00%	11.258%
5	5.413	324	326	329	rBV	3519349	5168949	95.17%	10.714%
6	5.722	350	353	364	rVB	729891	933671	17.19%	1.935%
7	5.939	369	372	375	rBV	3150595	3842012	70.74%	7.964%
8	6.556	422	426	428	rBV	2324752	3403920	62.67%	7.056%
9	6.830	448	450	454	rBV2	35005	62062	1.14%	0.129%
10	7.619	516	519	524	rBV	849290	1168628	21.52%	2.422%
11	9.185	653	656	659	rVB2	41265	67972	1.25%	0.141%
12	9.368	669	672	675	rVV	3754776	4978291	91.66%	10.319%
13	9.459	677	680	682	rVB	50870	65170	1.20%	0.135%
14	9.585	688	691	693	rBV	60079	100529	1.85%	0.208%
15	9.939	720	722	724	rBV	67149	84059	1.55%	0.174%
16	10.053	729	732	735	rVV	984060	1273082	23.44%	2.639%
17	10.099	735	736	738	rVV	76736	89442	1.65%	0.185%
18	10.191	742	744	746	rBV2	41759	64834	1.19%	0.134%
19	10.271	746	751	754	rVB3	92497	188650	3.47%	0.391%
20	10.408	761	763	769	rBV2	825172	1283793	23.64%	2.661%
21	10.956	809	811	814	rVB	55986	96321	1.77%	0.200%
22	11.254	834	837	840	rBV	180264	241883	4.45%	0.501%
23	11.619	865	869	871	rBV	70767	141591	2.61%	0.293%
24	11.699	873	876	879	rBV	1874627	2573379	47.38%	5.334%
25	12.031	902	905	909	rBV2	163667	369899	6.81%	0.767%
26	12.339	930	932	936	rBV2	28207	60584	1.12%	0.126%
27	12.762	966	969	971	rBV	101147	136984	2.52%	0.284%
28	12.808	971	973	980	rVB	760696	1048330	19.30%	2.173%
29	13.459	1027	1030	1035	rBV	48186	65912	1.21%	0.137%
30	13.859	1062	1065	1070	rBV2	92058	166892	3.07%	0.346%
31	14.237	1095	1098	1102	rVB	36118	68366	1.26%	0.142%
32	14.580	1126	1128	1132	rVB	55525	93082	1.71%	0.193%
33	14.785	1142	1146	1149	rBV2	48707	88767	1.63%	0.184%
34	15.140	1174	1177	1181	rBV	134555	212463	3.91%	0.440%

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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-BF120415.M
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35	15.437	1200	1203	1206	rBV	2439975	3473000	63.94%	7.199%
36	15.894	1238	1243	1247	rBV6	24399	61589	1.13%	0.128%
37	16.317	1276	1280	1286	rBV	275432	392667	7.23%	0.814%
38	16.945	1332	1335	1338	rBV	212327	397626	7.32%	0.824%
39	17.014	1338	1341	1344	rBV	713458	988872	18.21%	2.050%
40	17.757	1404	1406	1410	rBV	263055	358768	6.61%	0.744%
41	18.168	1440	1442	1445	rVB	56003	58595	1.08%	0.121%
42	18.248	1446	1449	1451	rBV	82433	119697	2.20%	0.248%
43	18.443	1463	1466	1470	rBV	139202	274875	5.06%	0.570%
44	18.649	1482	1484	1490	rVB	576493	776877	14.30%	1.610%
45	18.911	1505	1507	1512	rVB3	69947	162306	2.99%	0.336%
46	19.106	1522	1524	1526	rBV2	47236	71677	1.32%	0.149%
47	21.906	1765	1769	1772	rBV3	61618	163131	3.00%	0.338%

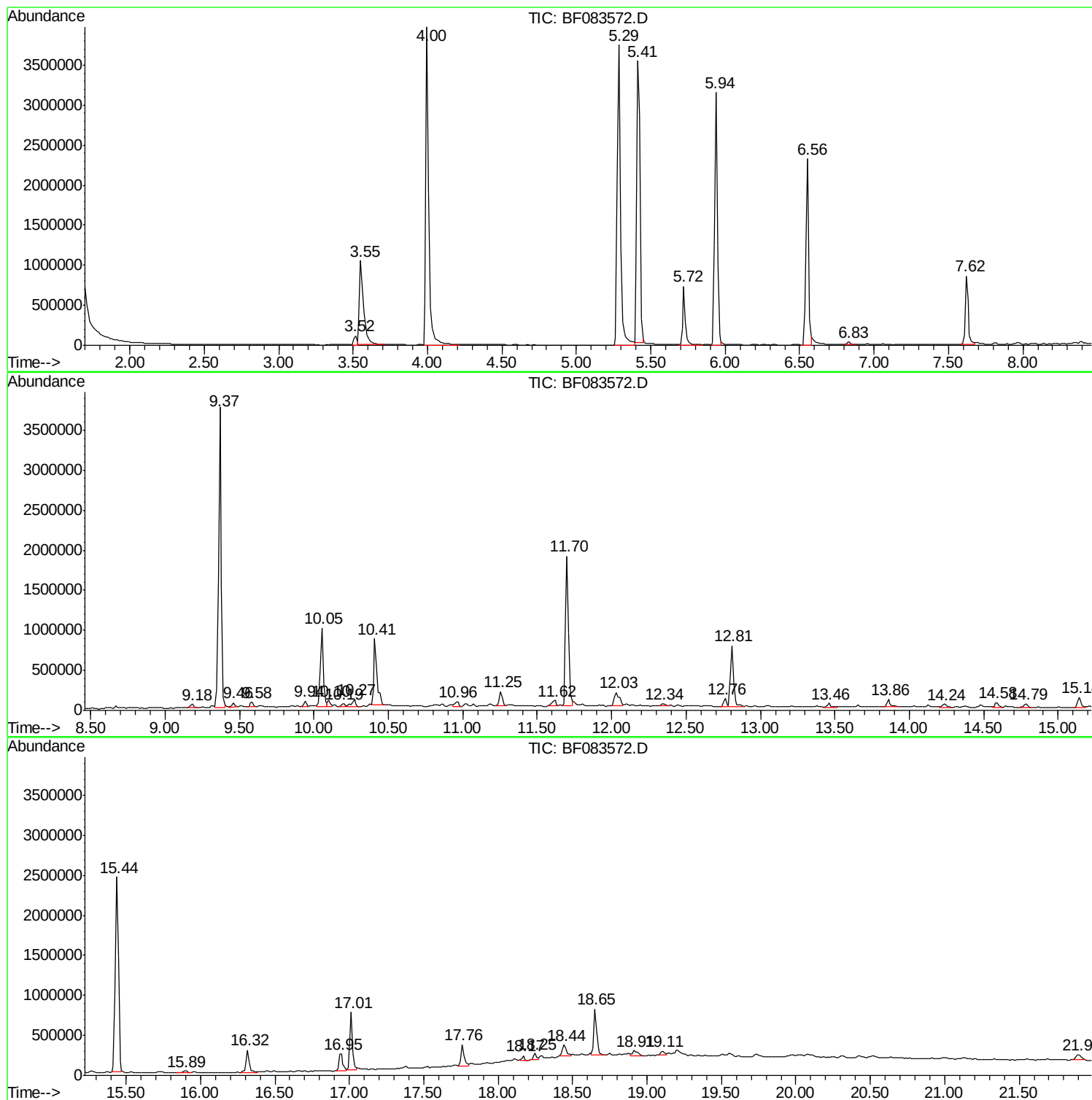
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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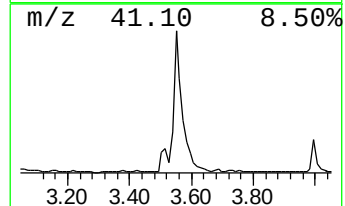
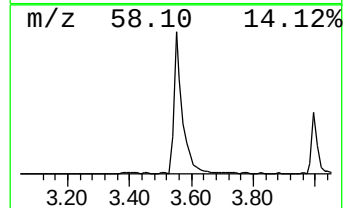
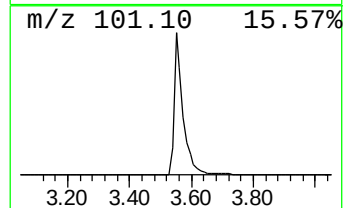
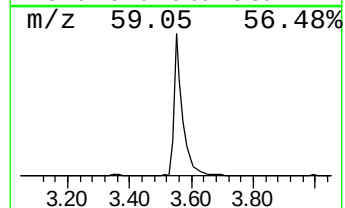
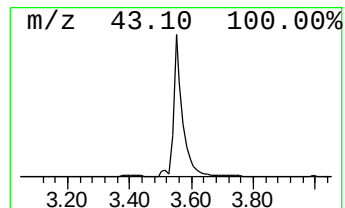
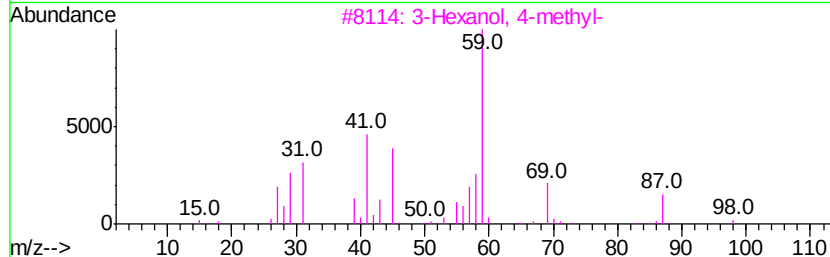
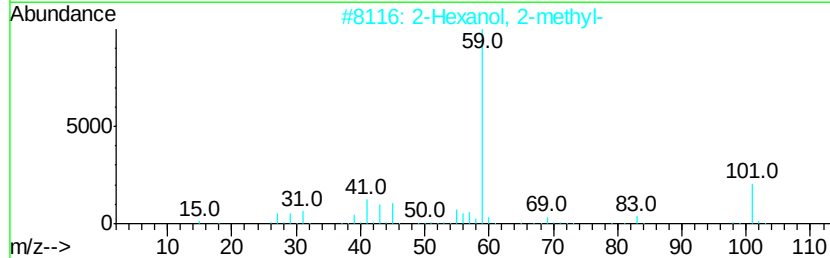
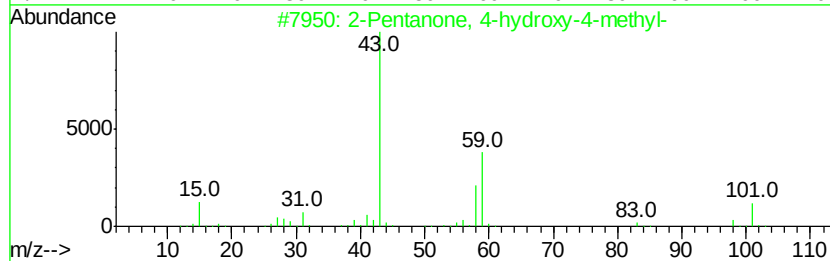
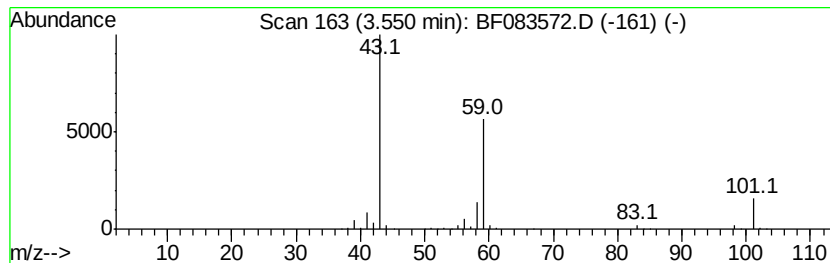
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.55	43.42 ng	2027200	1,4-Dichlorobenzene-d4	5.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5		Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9



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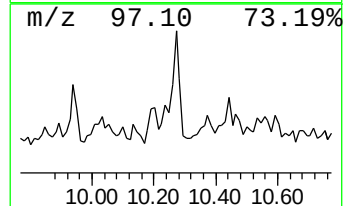
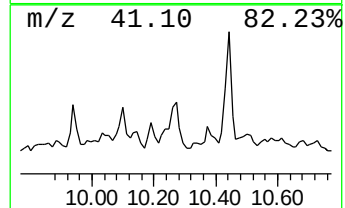
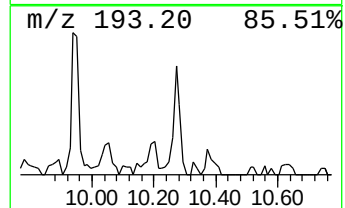
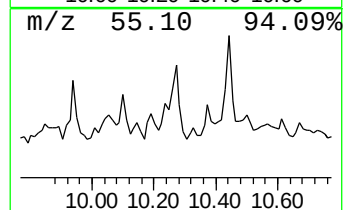
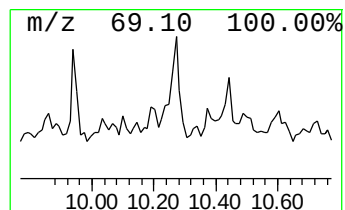
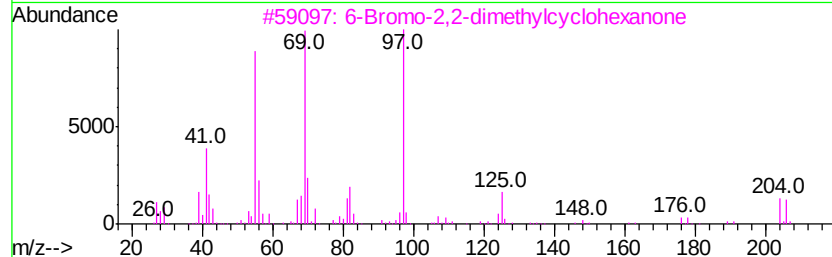
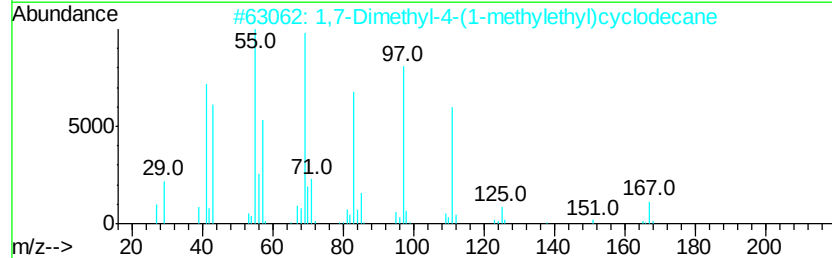
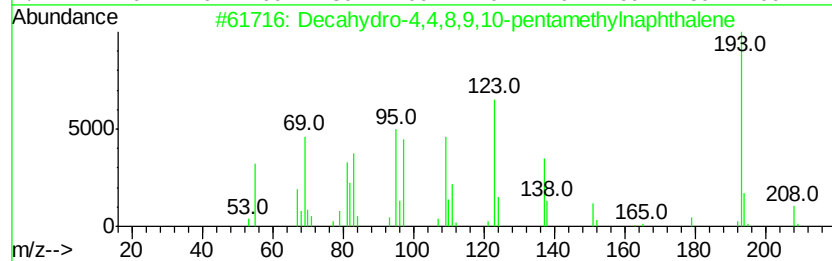
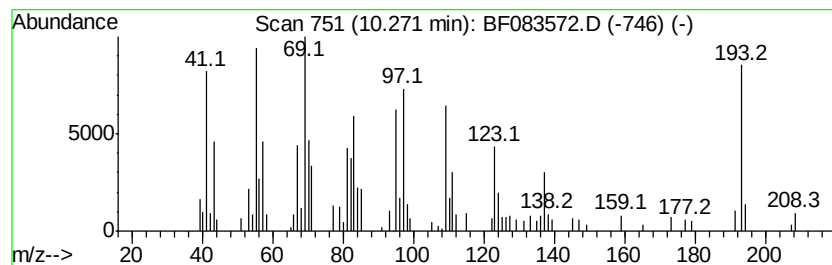
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Peak Number 5 Decahydro-4,4,8,9,10-pentam... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	2.94 ng	188650	Acenaphthene-d10	10.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	86
2		1,7-Dimethyl-4-(1-methylethyl)cy...	210	C15H30	000645-10-3	27
3		6-Bromo-2,2-dimethylcyclohexanone	204	C8H13BrO	021690-26-6	22
4		Butanamide, 3-methyl-2-methylene...	189	C12H15NO	095383-63-4	22
5		6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	14



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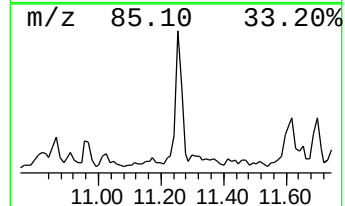
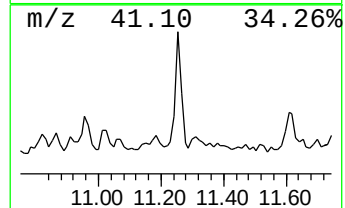
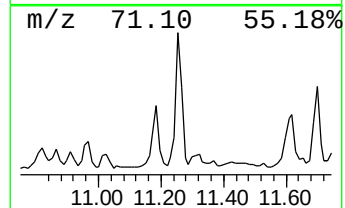
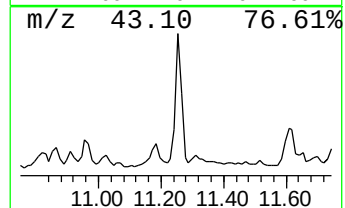
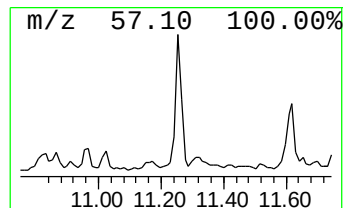
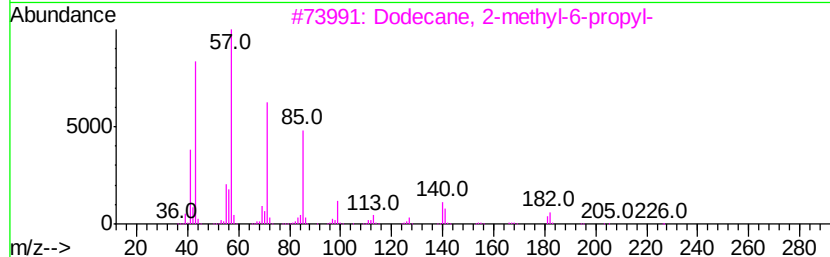
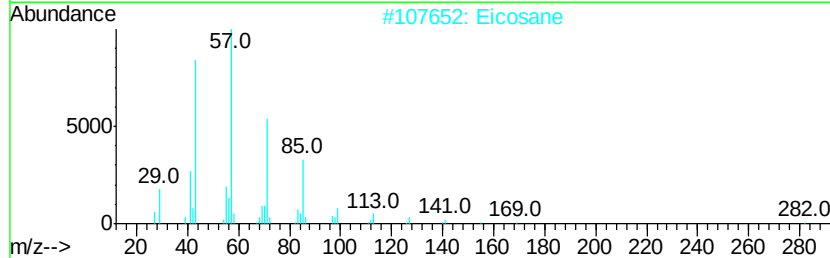
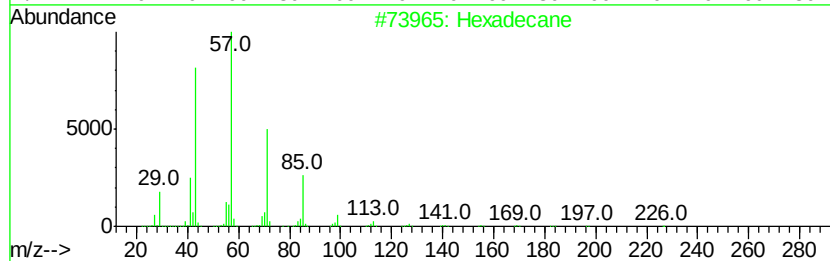
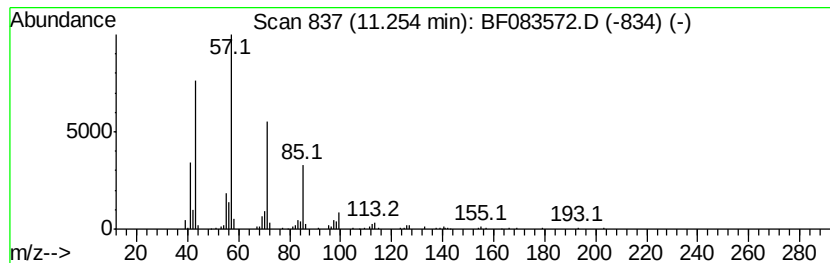
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	3.77 ng	241883	Acenaphthene-d10	10.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	91
2	Eicosane	282 C20H42	000112-95-8	91
3	Dodecane, 2-methyl-6-propyl-	226 C16H34	055045-08-4	90
4	Pentadecane	212 C15H32	000629-62-9	90
5	Heptadecane	240 C17H36	000629-78-7	80



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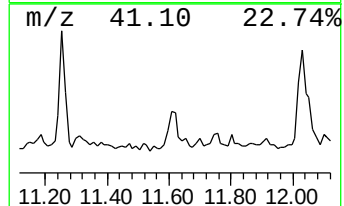
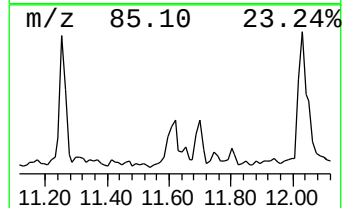
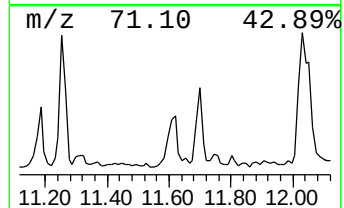
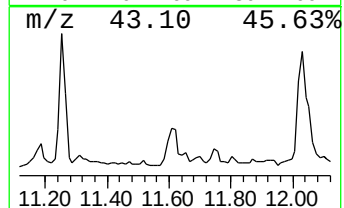
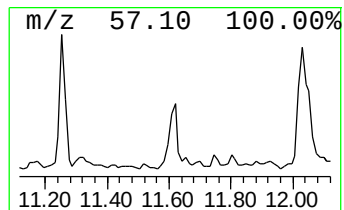
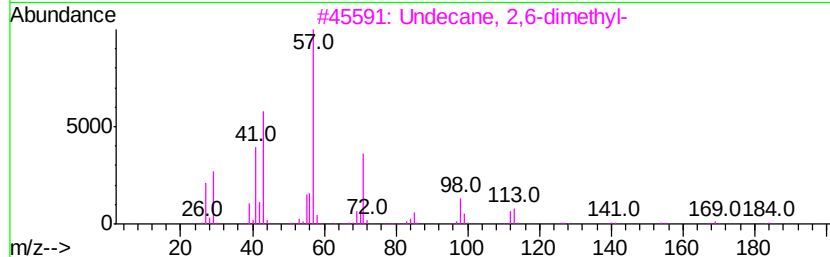
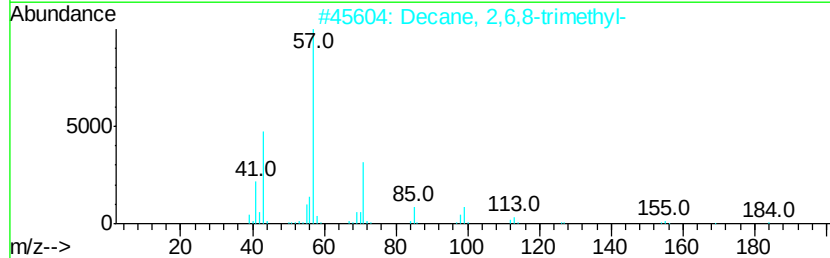
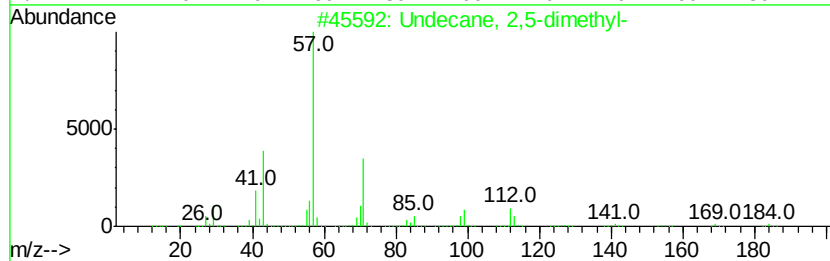
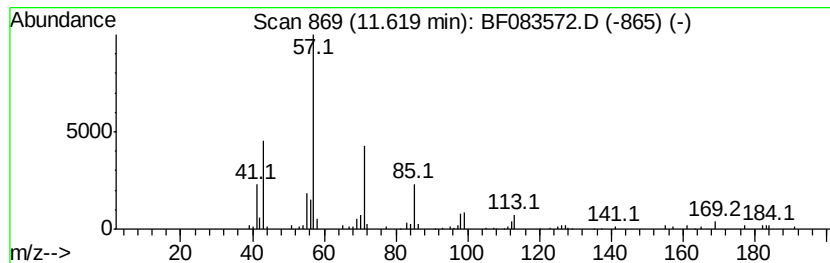
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Undecane, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.62	2.70 ng	141591	Phenanthrene-d10	12.81	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	81
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	74
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	59
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	53



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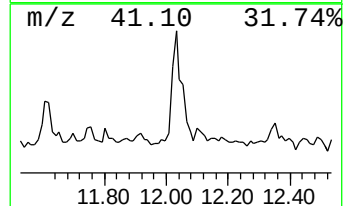
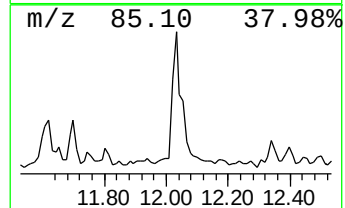
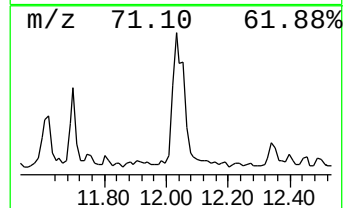
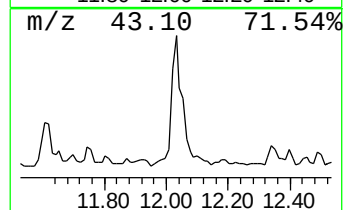
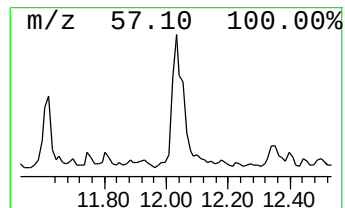
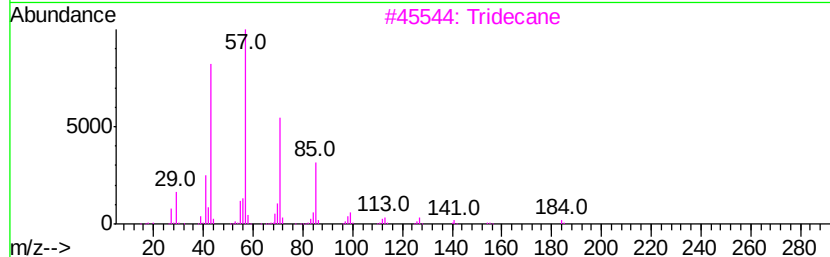
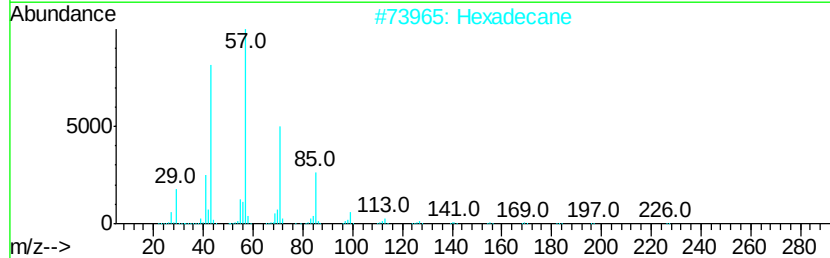
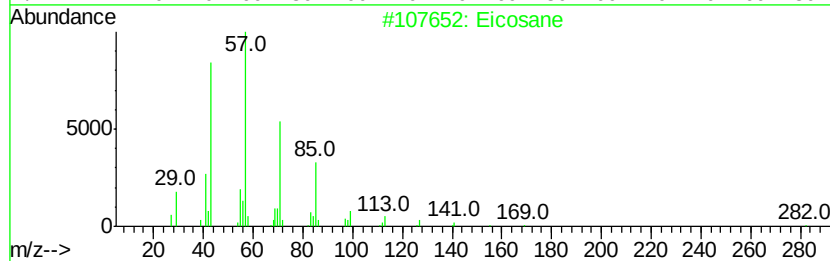
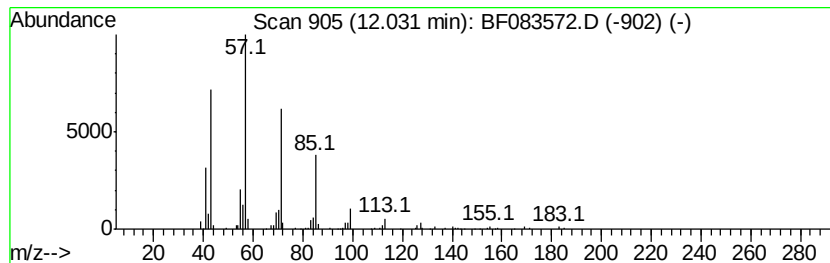
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	7.06 ng	369899	Phenanthrene-d10	12.81

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	91
2	Hexadecane		226	C16H34	000544-76-3	90
3	Tridecane		184	C13H28	000629-50-5	86
4	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	86
5	Octadecane		254	C18H38	000593-45-3	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
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Operator : UM/IZ
Sample : G4579-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

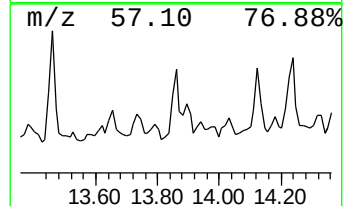
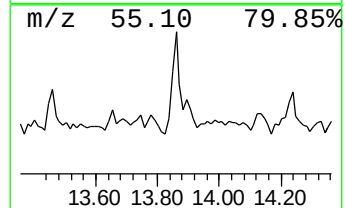
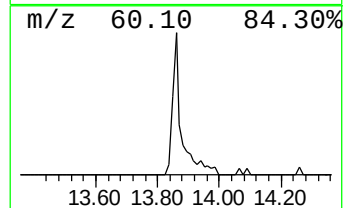
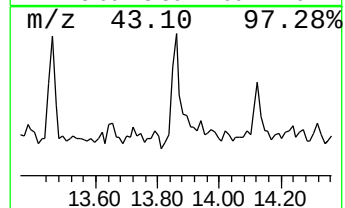
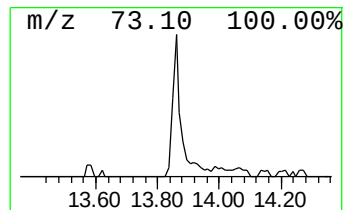
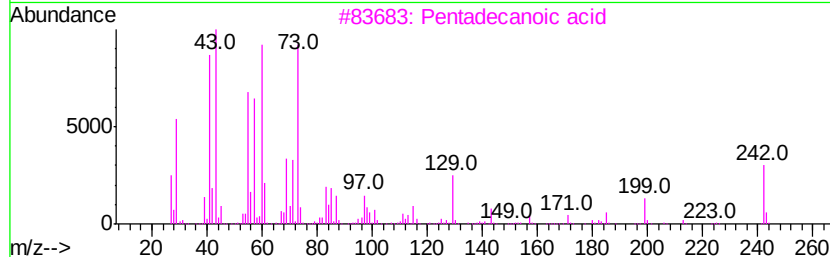
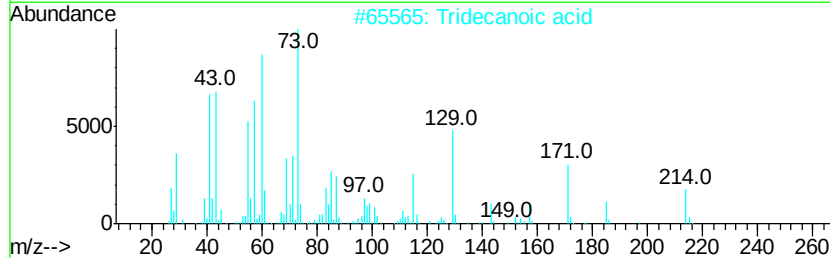
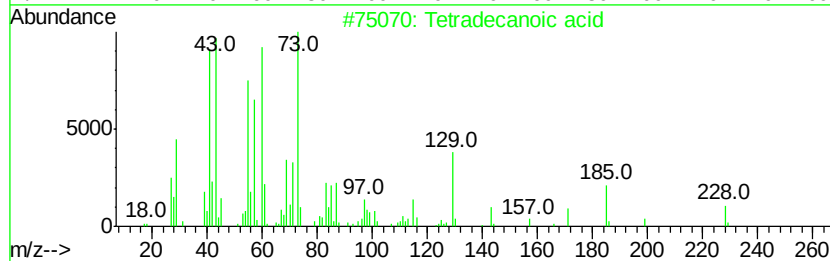
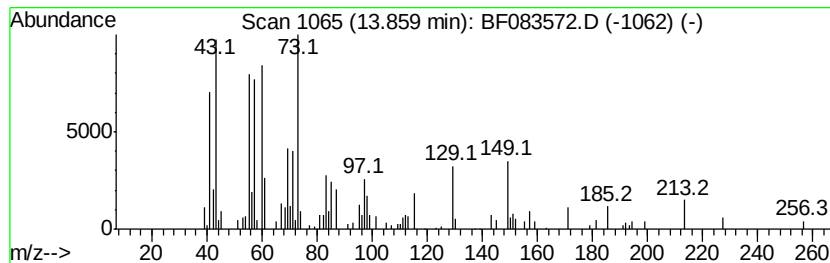
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ClientSampleId :
TP5(8-14)

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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 Tetradecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.86	3.18 ng	166892	Phenanthrene-d10	12.81	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
2	Tridecanoic acid	214	C13H26O2	000638-53-9	64
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	Amvl Nitrite	117	C5H11NO2	000110-46-3	35
5	Nonanoic acid	158	C9H18O2	000112-05-0	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
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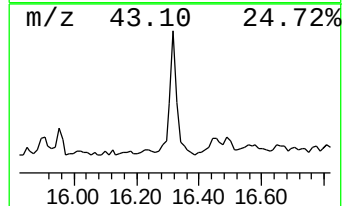
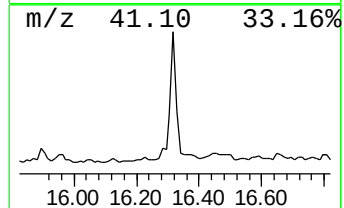
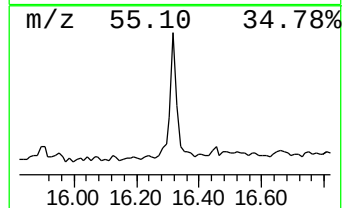
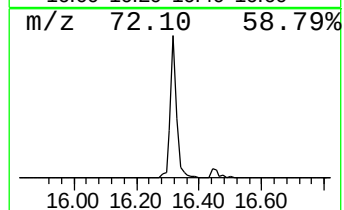
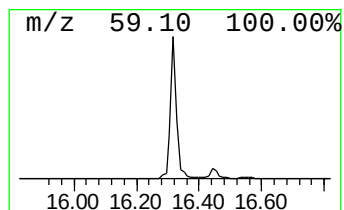
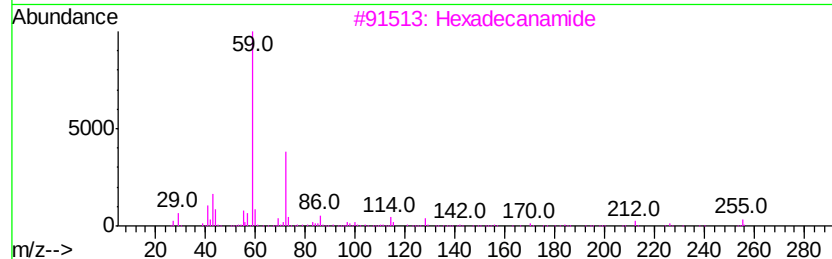
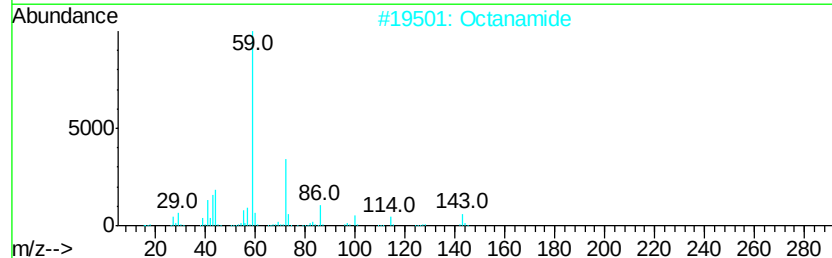
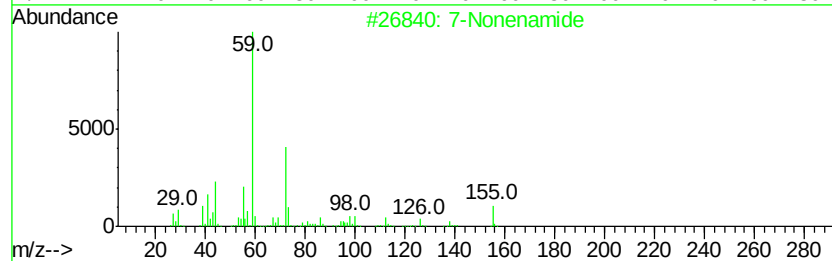
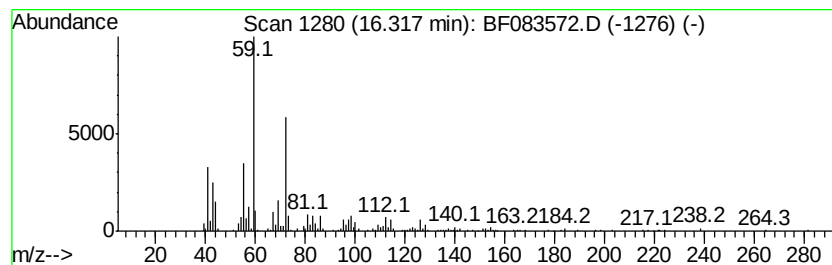
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 7-Nonenamide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.32	7.94 ng	392667	Chrysene-d12		17.01
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Nonenamide	155	C9H17NO	090949-53-4	72
2	Octanamide	143	C8H17NO	000629-01-6	59
3	Hexadecanamide	255	C16H33NO	000629-54-9	59
4	Nonanamide	157	C9H19NO	001120-07-6	53
5	Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
Data File : BF083572.D
Acq On : 7 Dec 2015 22:57
Operator : UM/IZ
Sample : G4579-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

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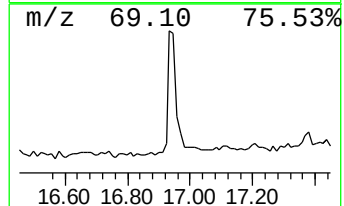
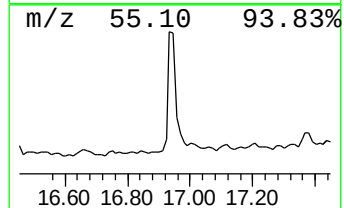
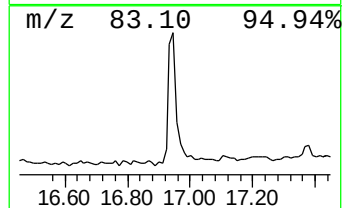
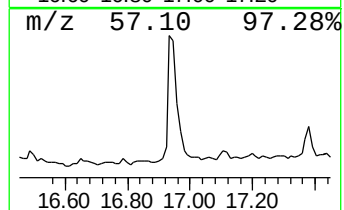
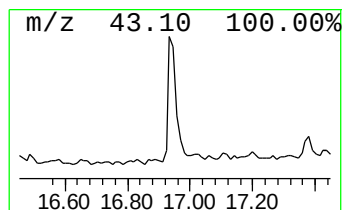
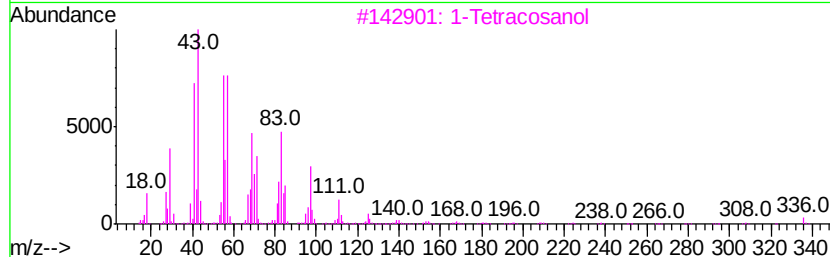
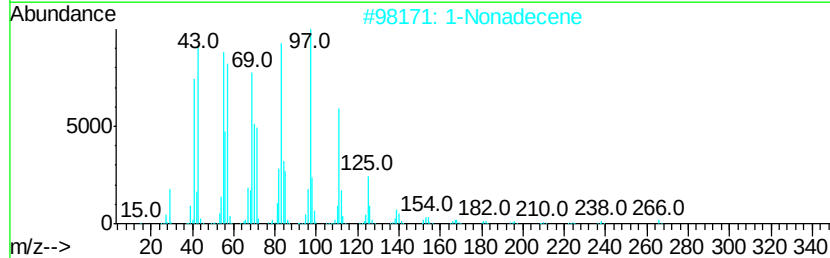
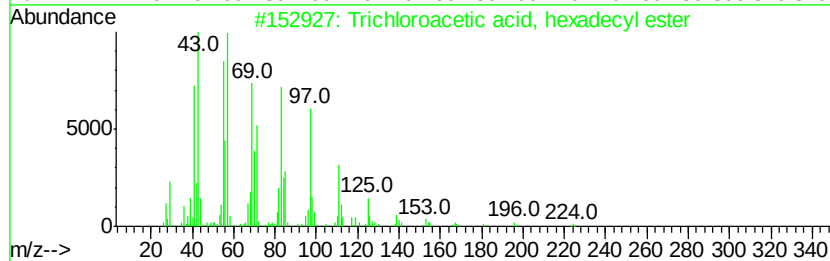
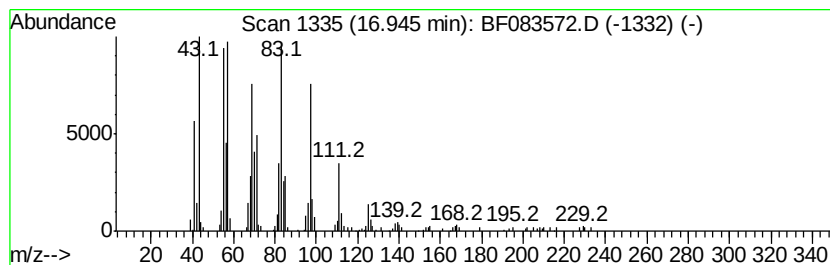
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Trichloroacetic acid, hexad... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	8.04 ng	397626	Chrysene-d12	17.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
2		1-Nonadecene	266	C19H38	018435-45-5	91
3		1-Tetracosanol	354	C24H50O	000506-51-4	90
4		11-Tricosene	322	C23H46	052078-56-5	87
5		9-Eicosene, (E)-	280	C20H40	074685-29-3	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
Data File : BF083572.D
Acq On : 7 Dec 2015 22:57
Operator : UM/IZ
Sample : G4579-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

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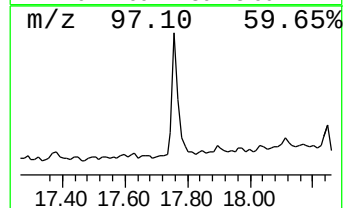
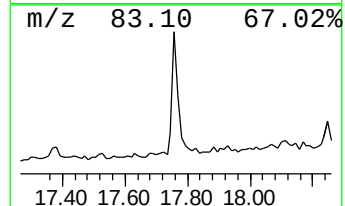
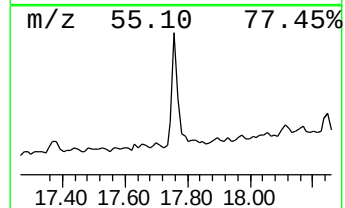
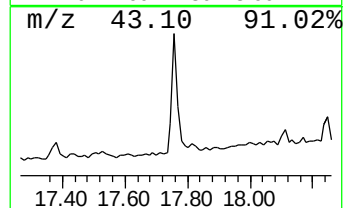
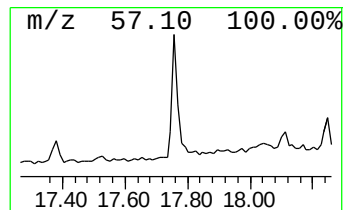
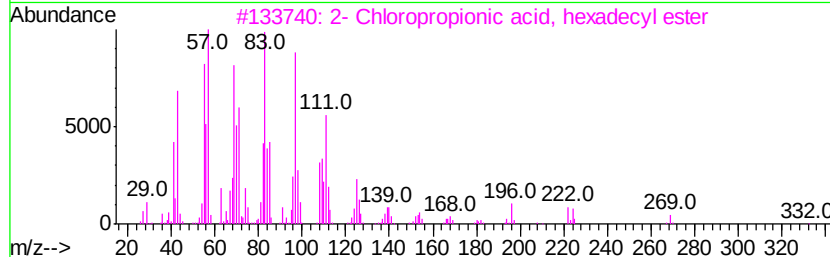
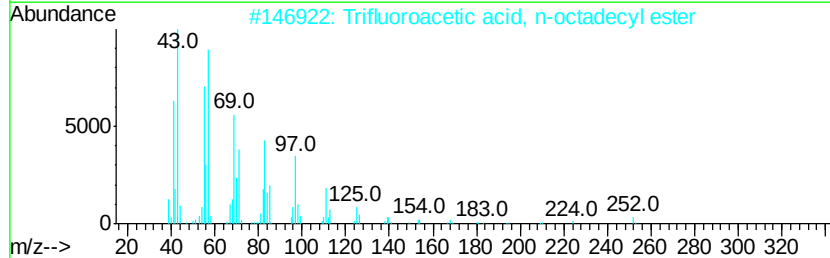
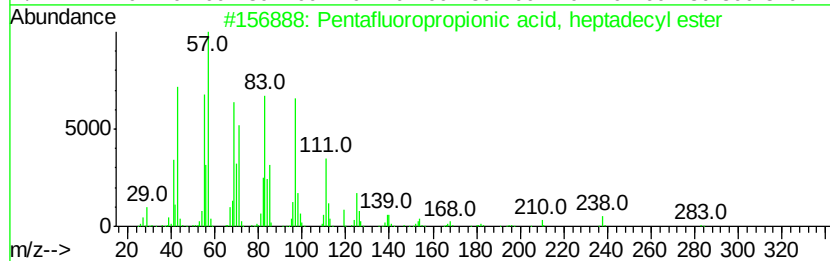
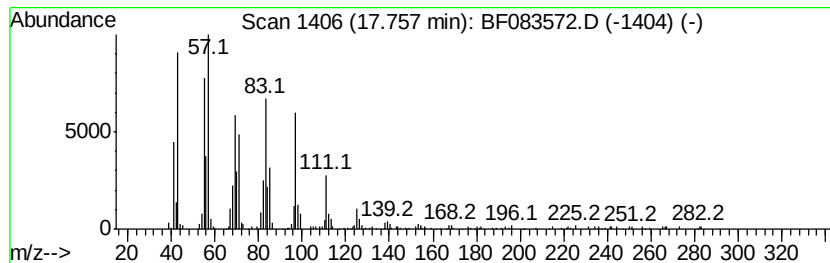
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pentafluoropropionic acid, ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	7.26 ng	358768	Chrysene-d12	17.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	91
2			Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91
3			2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	91
4			Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	90
5			17-Pentatriacontene	491	C35H70	006971-40-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
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Acq On : 7 Dec 2015 22:57
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Sample : G4579-09
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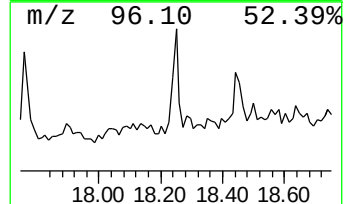
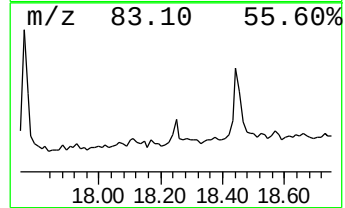
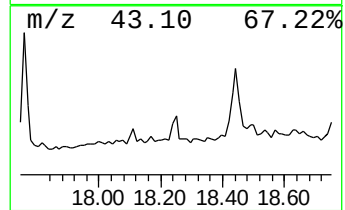
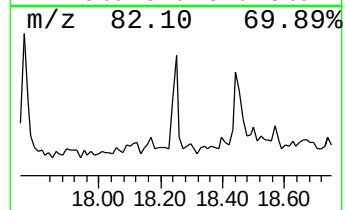
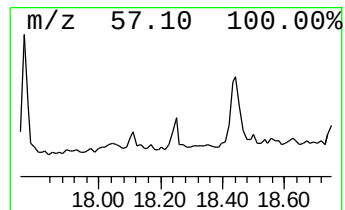
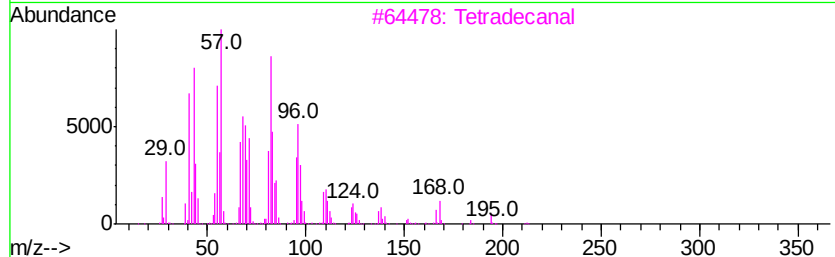
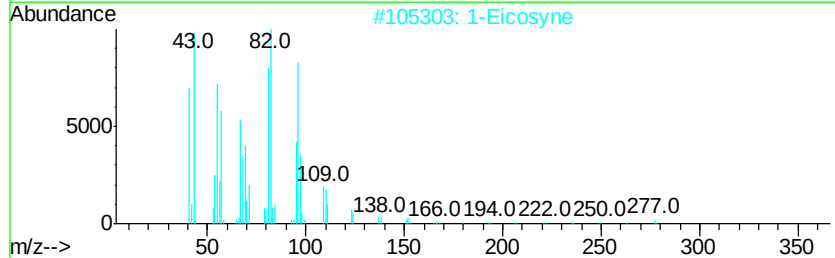
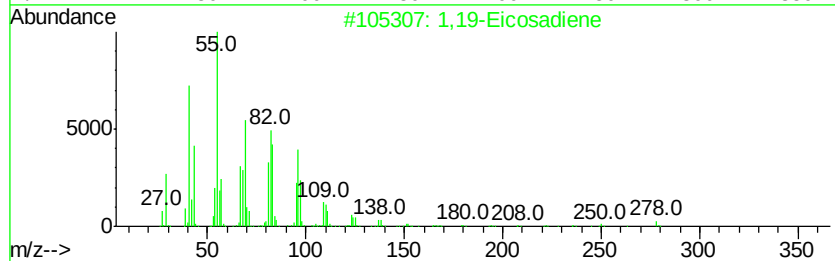
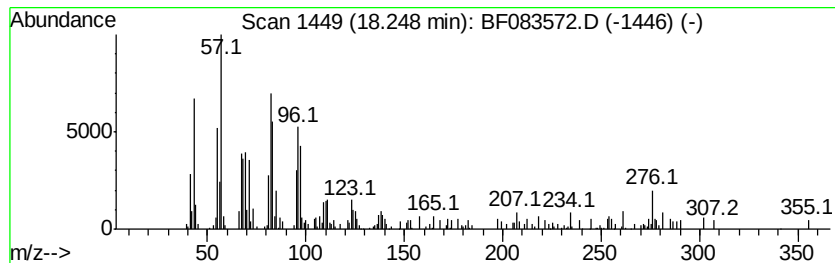
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,19-Eicosadiene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.25	3.08 ng	119697	Perylene-d12	18.65	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,19-Eicosadiene	278	C20H38	014811-95-1	94
2	1-Eicosyne	278	C20H38	000765-27-5	78
3	Tetradecanal	212	C14H28O	000124-25-4	74
4	Octadecanal	268	C18H36O	000638-66-4	68
5	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
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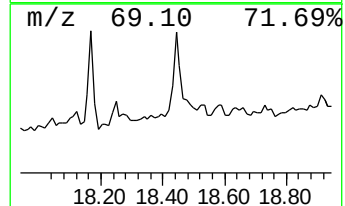
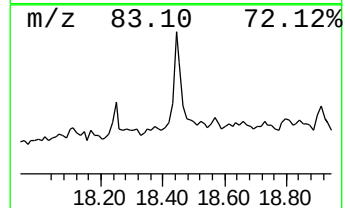
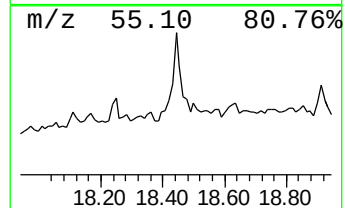
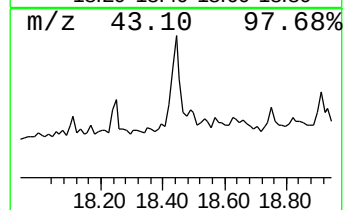
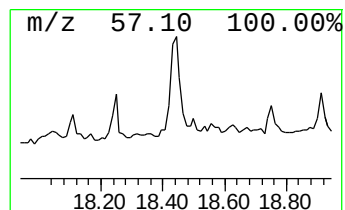
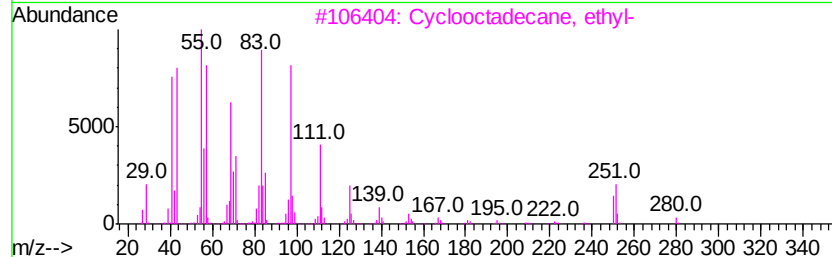
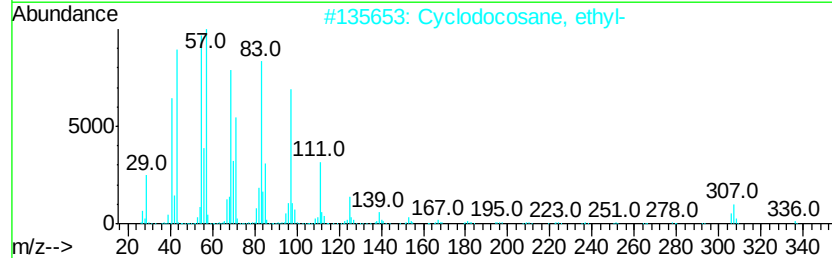
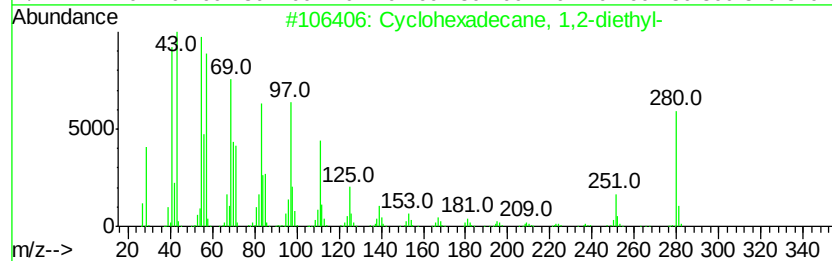
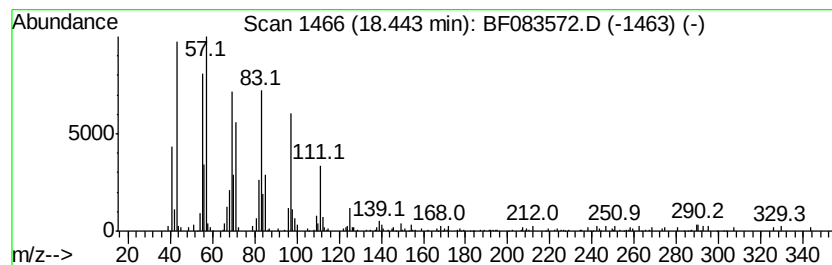
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclohexadecane, 1,2-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.44	7.08 ng	274875	Perylene-d12	18.65	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	92
2	Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	91
3	Cvclooctadecane, ethyl-	280	C20H40	1000151-22-5	90
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	90
5	17-Pentatriacontene	491	C35H70	006971-40-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
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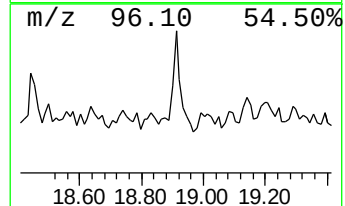
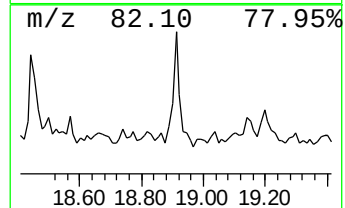
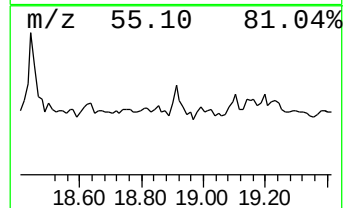
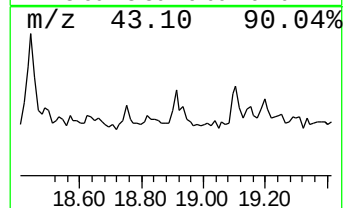
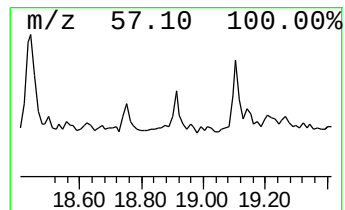
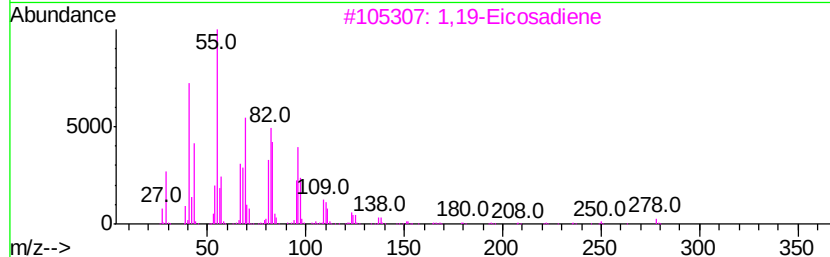
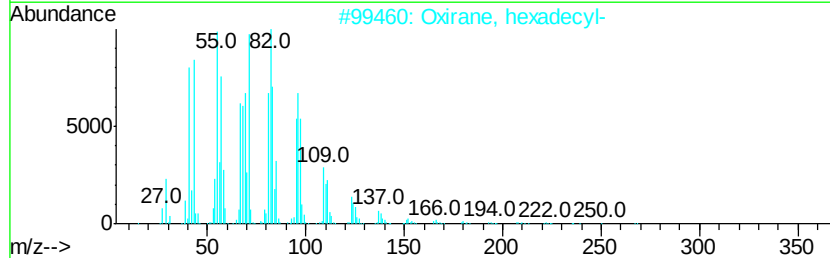
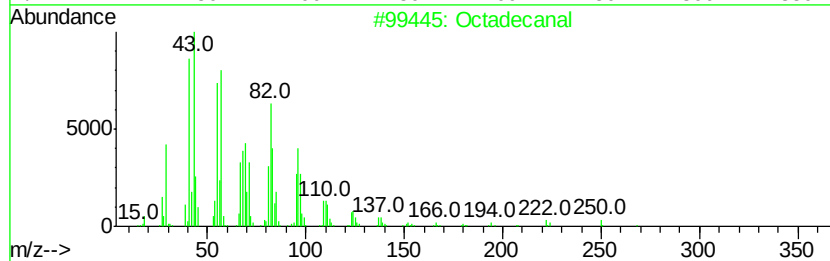
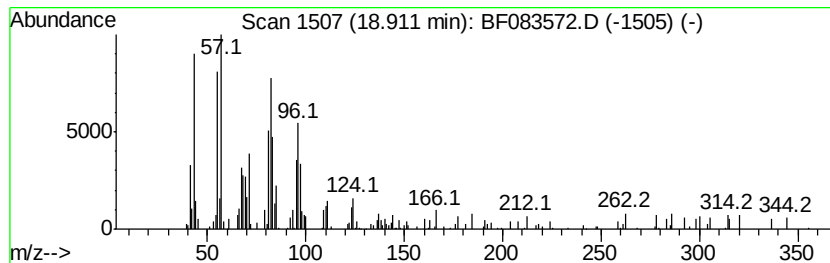
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Octadecanal Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.91	4.18 ng	162306	Perylene-d12	18.65	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	94
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
3	1,19-Eicosadiene	278	C20H38	014811-95-1	70
4	Z-2-Octadecen-1-ol	268	C18H36O	1000131-11-0	68
5	Cyclotetracosane	336	C24H48	000297-03-0	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
Data File : BF083572.D
Acq On : 7 Dec 2015 22:57
Operator : UM/IZ
Sample : G4579-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

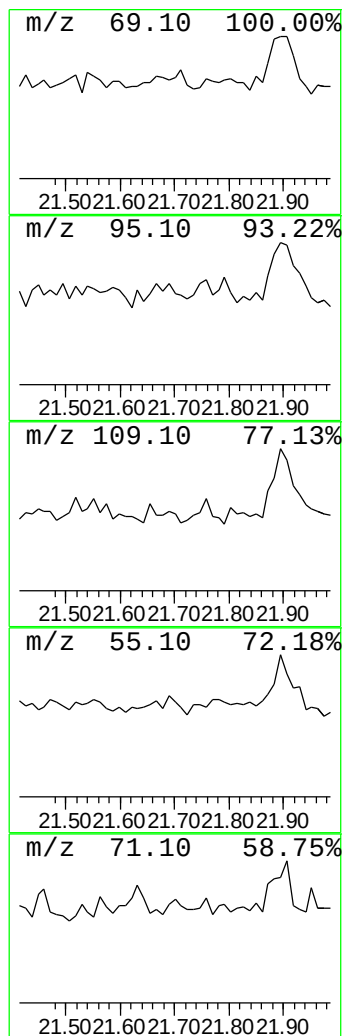
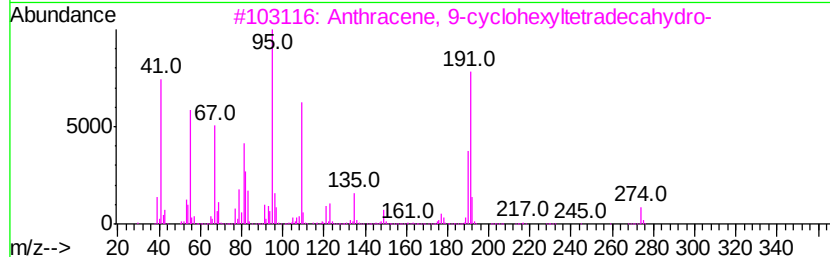
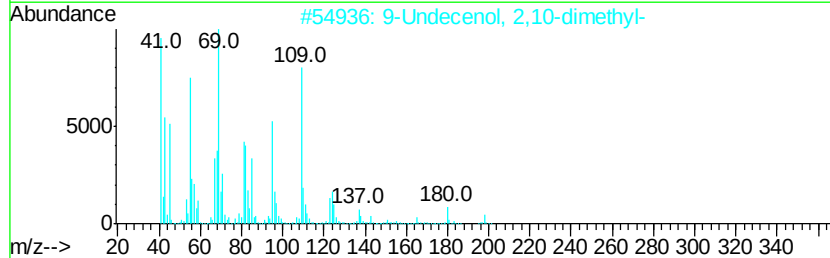
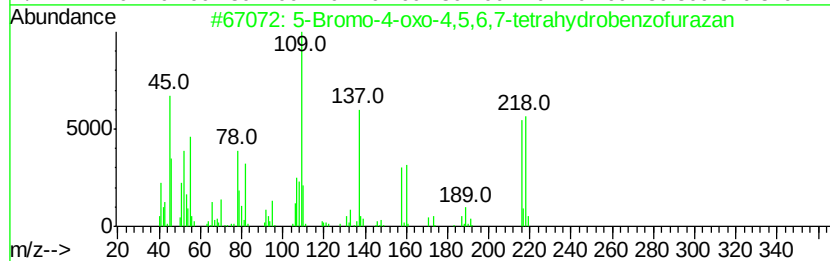
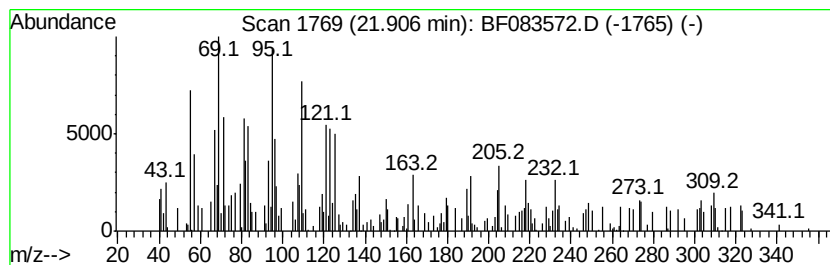
Instrument :
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ClientSampleId :
TP5(8-14)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 5-Bromo-4-oxo-4,5,6,7-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.91	4.20 ng	163131	Perylene-d12	18.65	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	53
2	9-Undecenol, 2,10-dimethyl-	198	C13H26O	1000131-86-0	46
3	Anthracene, 9-cvclohexyltetradec...	274	C20H34	055255-70-4	38
4	2,4,5,5,8a-Pentamethyl-4a,5,6,7,...	208	C14H24O	1000195-30-1	25
5	1-Formyl-2,2-dimethyl-3-trans-(3...	220	C15H24O	1000144-09-7	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
Data File : BF083572.D
Acq On : 7 Dec 2015 22:57
Operator : UM/IZ
Sample : G4579-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5(8-14)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.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...	3.55	43.4	ng	2027200	1	5.72	933671	20.0
Decahydro-4,4,8,9...	10.27	2.9	ng	188650	3	10.41	1283790	20.0
Hexadecane	11.25	3.8	ng	241883	3	10.41	1283790	20.0
Undecane, 2,5-dim...	11.62	2.7	ng	141591	4	12.81	1048330	20.0
Eicosane	12.03	7.1	ng	369899	4	12.81	1048330	20.0
Tetradecanoic acid	13.86	3.2	ng	166892	4	12.81	1048330	20.0
7-Nonenamide	16.32	7.9	ng	392667	5	17.01	988872	20.0
Trichloroacetic a...	16.95	8.0	ng	397626	5	17.01	988872	20.0
Pentafluoropropio...	17.76	7.3	ng	358768	5	17.01	988872	20.0
1,19-Eicosadiene	18.25	3.1	ng	119697	6	18.65	776877	20.0
Cyclohexadecane, ...	18.44	7.1	ng	274875	6	18.65	776877	20.0
Octadecanal	18.91	4.2	ng	162306	6	18.65	776877	20.0
5-Bromo-4-oxo-4,5...	21.91	4.2	ng	163131	6	18.65	776877	20.0