

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085813.D
 Acq On : 28 Mar 2016 20:45
 Operator : UM/SJ
 Sample : H1937-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(12-14)

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-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	2.458	13	15	18	rVB	36564	40141	1.24%	0.127%
2	2.515	18	20	21	rBV	40077	60902	1.88%	0.193%
3	2.538	21	22	27	rVB2	37098	90003	2.78%	0.286%
4	2.755	39	41	45	rVB2	75251	111639	3.45%	0.355%
5	2.881	49	52	54	rVV2	40320	62334	1.92%	0.198%
6	2.950	54	58	60	rVB2	37050	81291	2.51%	0.258%
7	3.178	77	78	79	rBV	77224	57298	1.77%	0.182%
8	3.235	79	83	85	rVB4	77114	112538	3.47%	0.357%
9	4.196	165	167	170	rBV2	42210	54776	1.69%	0.174%
10	4.241	170	171	175	rVV	22714	33762	1.04%	0.107%
11	4.333	177	179	191	rVB	23589	53993	1.67%	0.171%
12	4.641	203	206	208	rBV2	25822	54886	1.69%	0.174%
13	4.687	208	210	212	rVV	39876	49449	1.53%	0.157%
14	4.778	215	218	219	rVV2	41249	50486	1.56%	0.160%
15	4.836	219	223	228	rVV5	108840	280925	8.67%	0.892%
16	4.916	228	230	232	rVV2	37281	48186	1.49%	0.153%
17	4.996	234	237	244	rVV	986461	1630658	50.34%	5.178%
18	5.099	244	246	250	rVB3	49452	80040	2.47%	0.254%
19	5.419	271	274	277	rBV	2692489	2815585	86.92%	8.941%
20	5.819	307	309	312	rVB	157817	139165	4.30%	0.442%
21	6.459	362	365	367	rBV	2641564	3239266	100.00%	10.286%
22	6.584	373	376	378	rBV	3043788	2961835	91.44%	9.405%
23	6.813	394	396	399	rBV	749768	652420	20.14%	2.072%
24	6.973	407	410	412	rBV	2652051	2537981	78.35%	8.059%
25	7.384	443	446	448	rBV	2047989	2178862	67.26%	6.919%
26	7.487	452	455	459	rVB	34610	55574	1.72%	0.176%
27	8.105	506	509	511	rBV	671560	830054	25.62%	2.636%
28	9.179	600	603	605	rBV	3329984	3130680	96.65%	9.942%
29	9.579	635	638	639	rBV	516601	587514	18.14%	1.866%
30	9.785	654	656	658	rBV	89246	98474	3.04%	0.313%
31	9.853	660	662	665	rVB	1012838	919766	28.39%	2.921%
32	10.025	673	677	678	rBV	20903	32856	1.01%	0.104%
33	10.288	698	700	702	rVB	163163	129108	3.99%	0.410%
34	10.505	716	719	723	rBV	43650	80428	2.48%	0.255%

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35	10.642	728	731	734	rBV2	1700242	2118585	65.40%	6.728%
36	10.756	740	741	748	rVB	109649	165677	5.11%	0.526%
37	11.202	779	780	786	rVB	45716	81230	2.51%	0.258%
38	11.339	790	792	794	rBV	1059272	910215	28.10%	2.890%
39	12.928	928	931	933	rBV	2354171	2786861	86.03%	8.850%
40	13.614	988	991	993	rBV	59227	53636	1.66%	0.170%
41	13.819	1006	1009	1013	rBV	82938	126439	3.90%	0.402%
42	13.968	1020	1022	1025	rVB	562540	569252	17.57%	1.808%
43	14.105	1032	1034	1036	rBV2	49564	56765	1.75%	0.180%
44	14.265	1045	1048	1050	rBV	91119	116330	3.59%	0.369%
45	14.345	1052	1055	1057	rBV	119360	109364	3.38%	0.347%
46	14.459	1057	1065	1072	rVV2	23145	64676	2.00%	0.205%
47	14.871	1099	1101	1104	rBV	64608	67543	2.09%	0.214%
48	15.385	1143	1146	1154	rBV	354973	505790	15.61%	1.606%
49	15.602	1162	1165	1168	rVB2	22403	36624	1.13%	0.116%
50	16.620	1251	1254	1260	rVB2	58056	101454	3.13%	0.322%
51	17.614	1337	1341	1349	rBV4	14381	48132	1.49%	0.153%
52	18.231	1391	1395	1402	rVB5	8876	34784	1.07%	0.110%
53	18.517	1416	1420	1428	rBV6	13402	45197	1.40%	0.144%
54	18.677	1430	1434	1440	rVB2	18712	51125	1.58%	0.162%
55	19.020	1458	1464	1471	rBV6	19920	98081	3.03%	0.311%

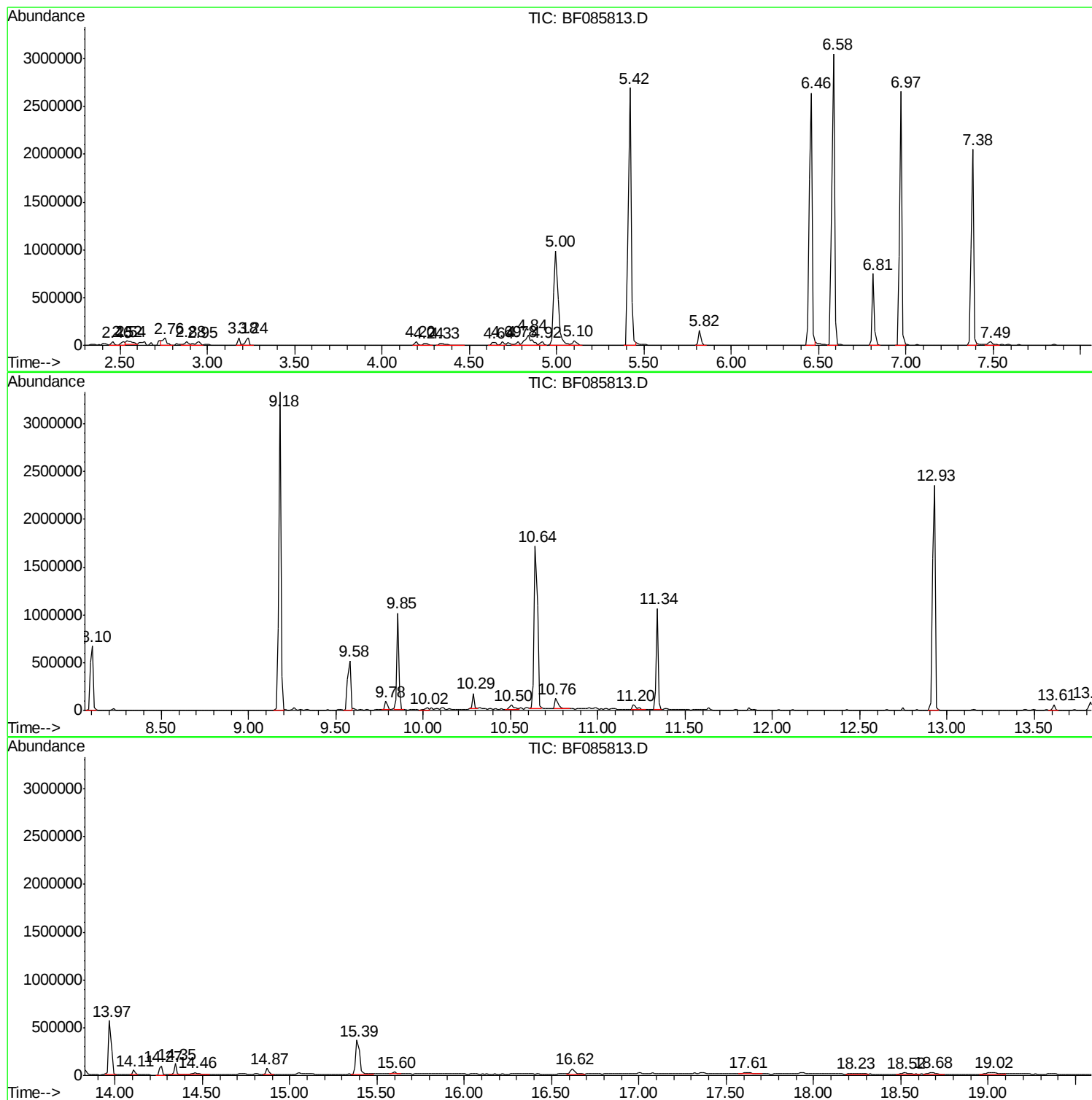
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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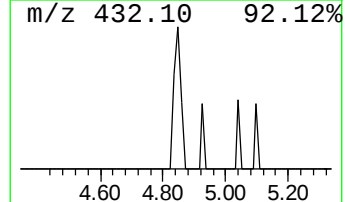
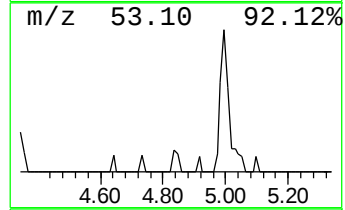
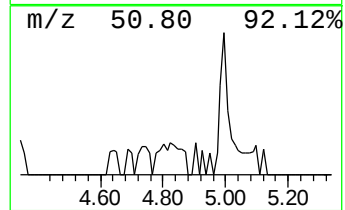
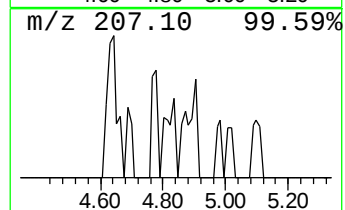
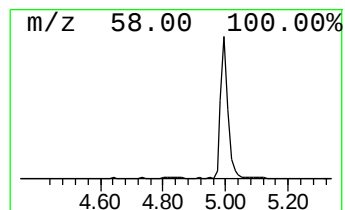
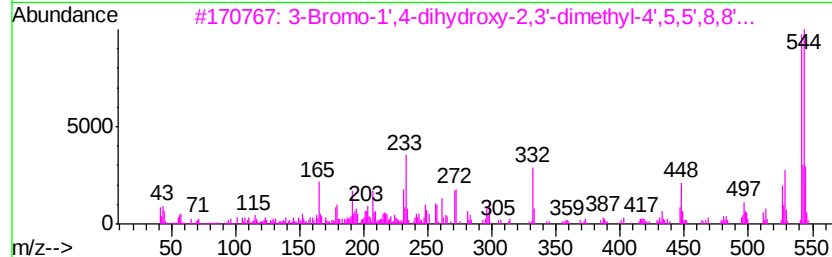
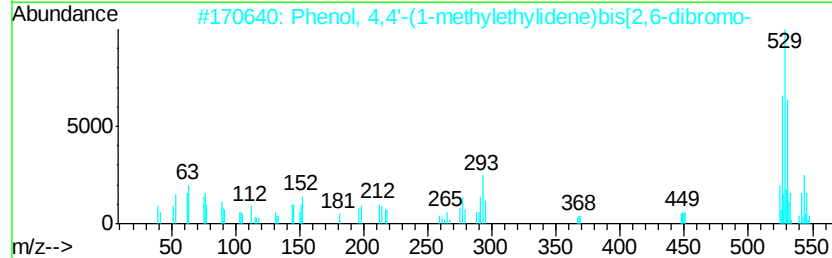
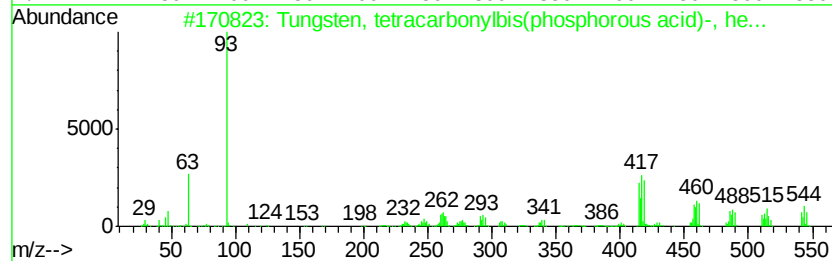
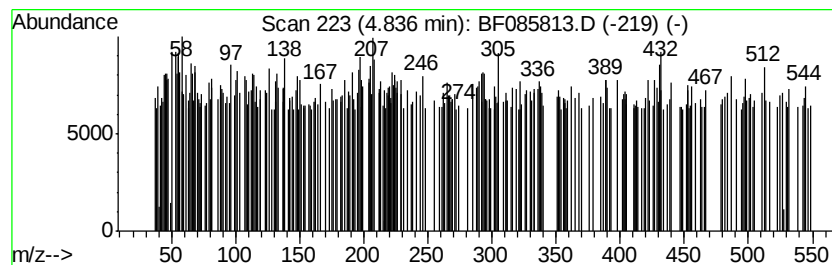
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown4.84 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	8.61 ng	280925	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tungsten, tetracarbonylbis(phosp...	544	C10H18O10P2W	023540-32-1	22
2		Phenol, 4,4'-(1-methylethylidene...	540	C15H12Br4O2	000079-94-7	14
3		3-Bromo-1',4-dihydroxy-2,3'-dime...	542	C27H27BrO7	101459-33-0	10
4		2,4,6-Tri(4-bromophenyl)pyrimidine	542	C22H13Br3N2	1000070-62-6	9
5		N,5-Bis[3,4-dichlorophenyl]-3,5-...	540	C27H20Cl4N4	333399-40-9	6



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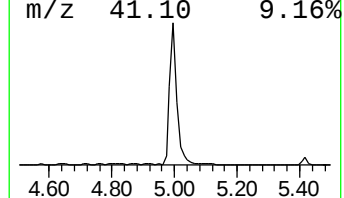
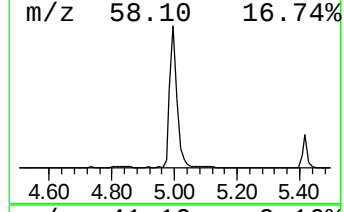
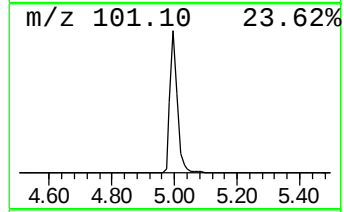
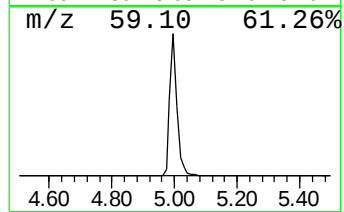
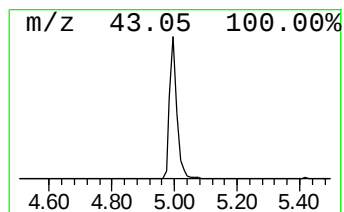
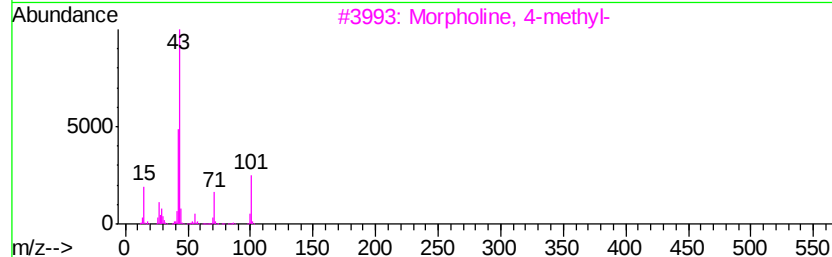
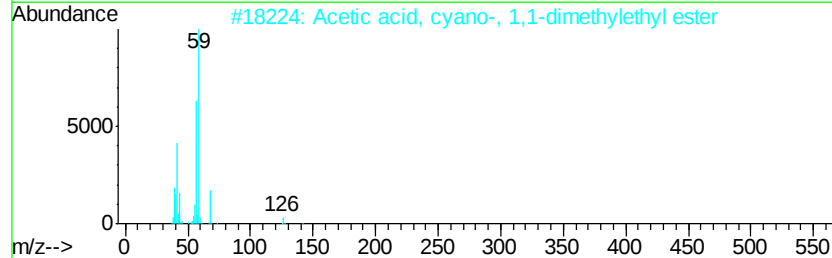
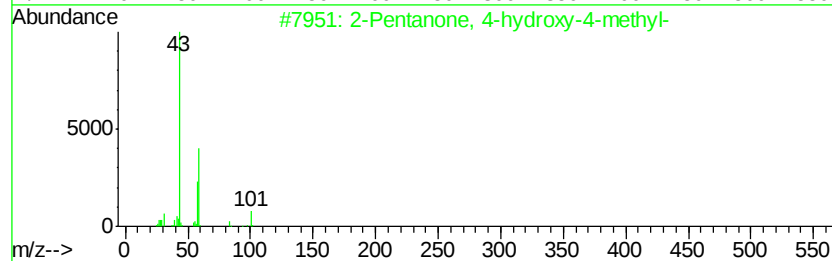
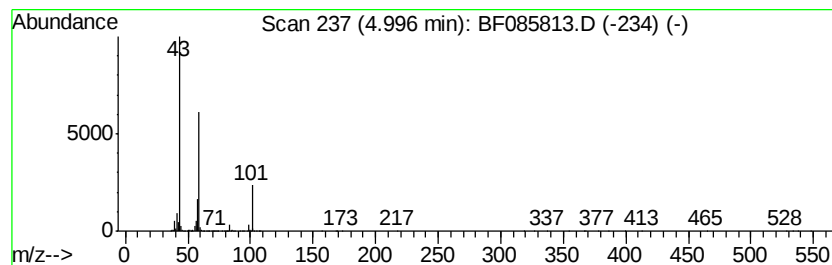
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	49.99 ng	1630660	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



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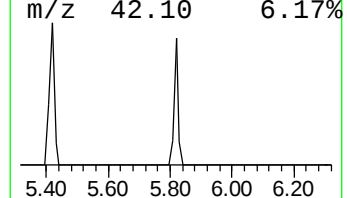
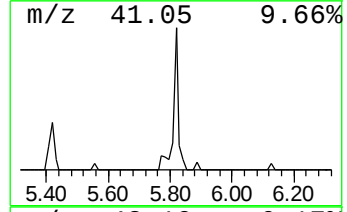
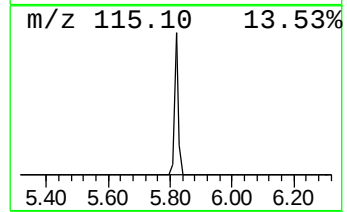
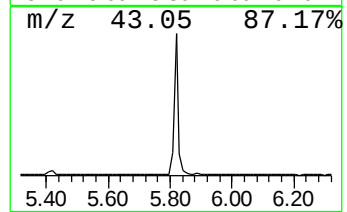
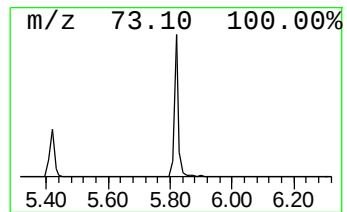
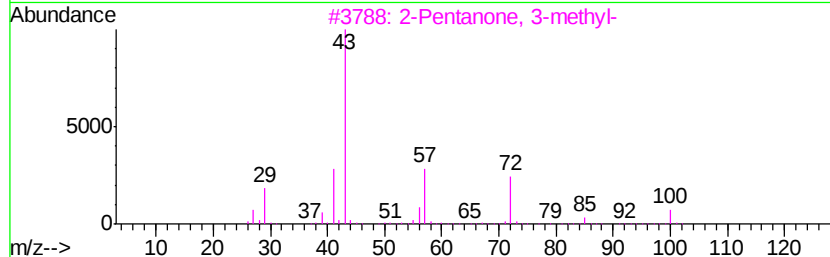
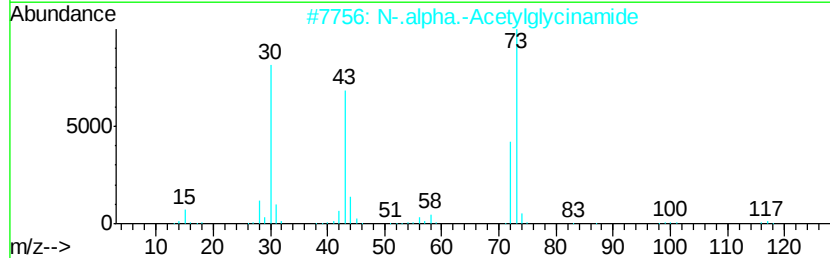
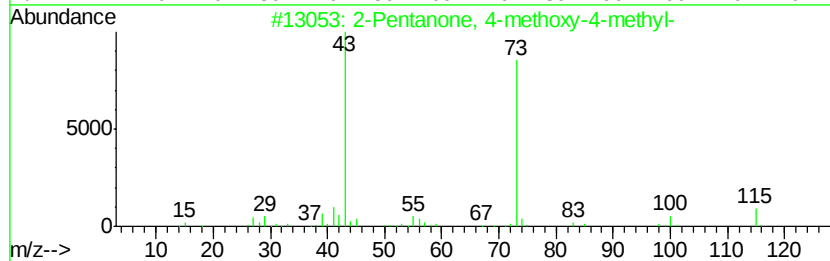
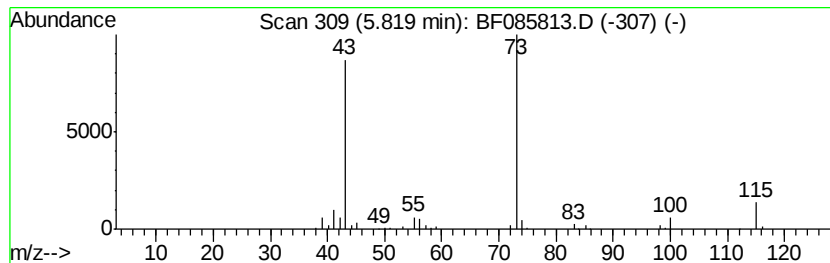
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 2-Pentanone, 4-methoxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	4.27 ng	139165	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	83
2		N-.alpha.-Acetylglycinamide	116	C4H8N2O2	002620-63-5	28
3		2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	22
4		Pentanoic acid, 4-oxo-	116	C5H8O3	000123-76-2	12
5		1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	9



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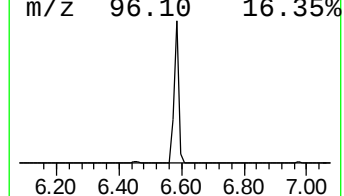
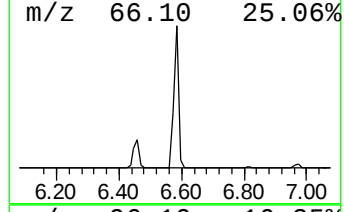
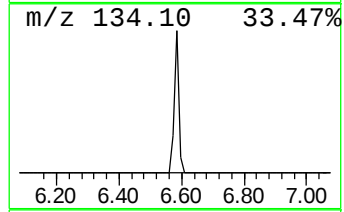
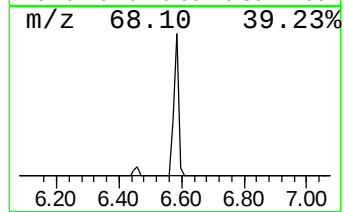
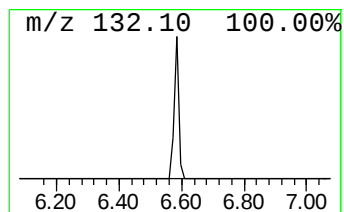
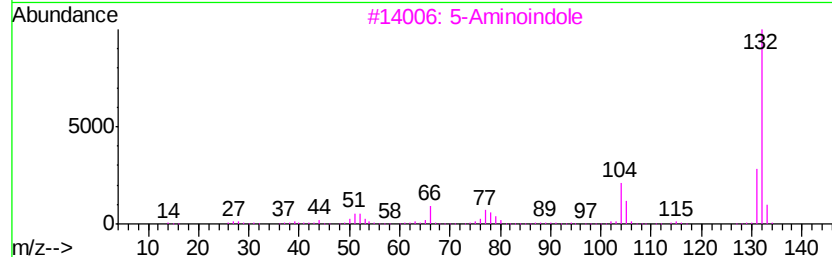
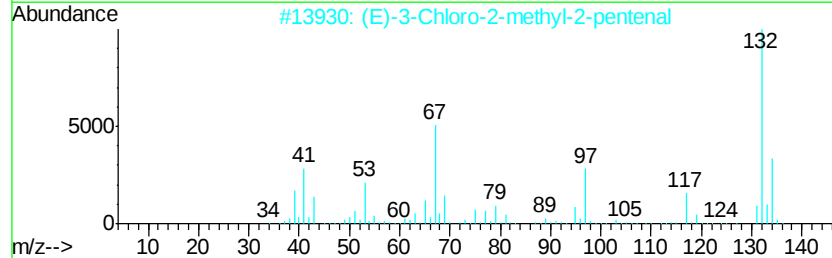
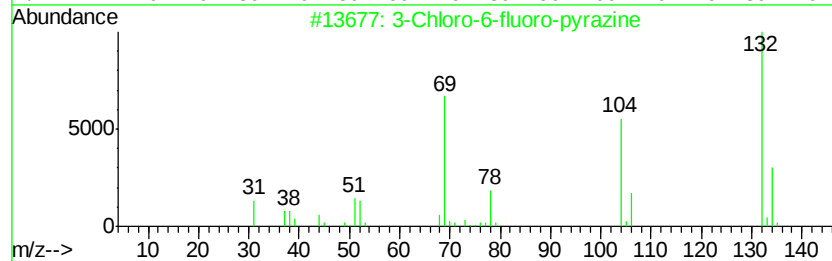
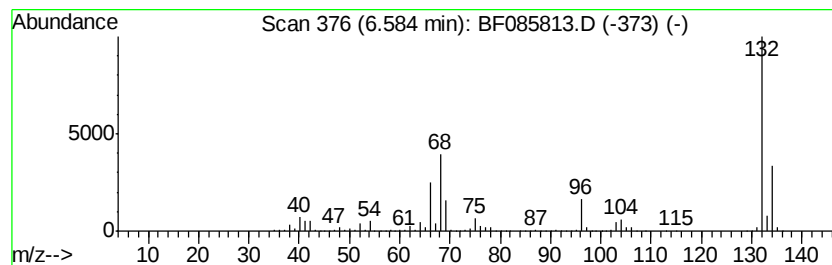
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	90.80 ng	2961840	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
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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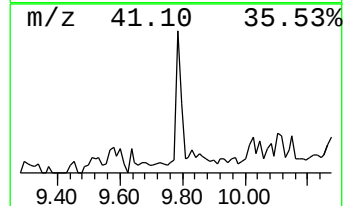
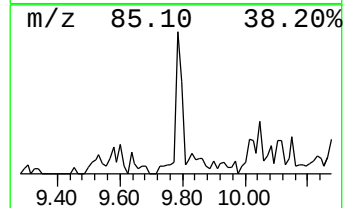
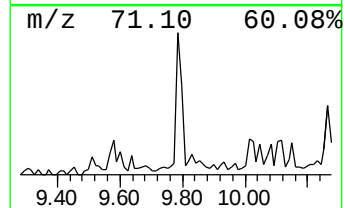
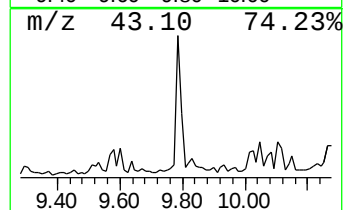
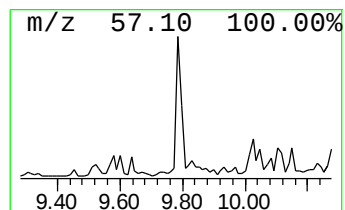
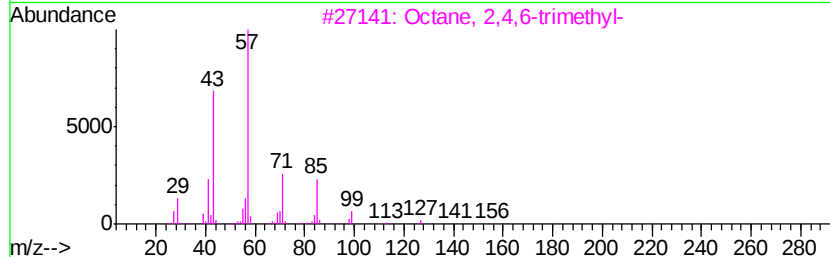
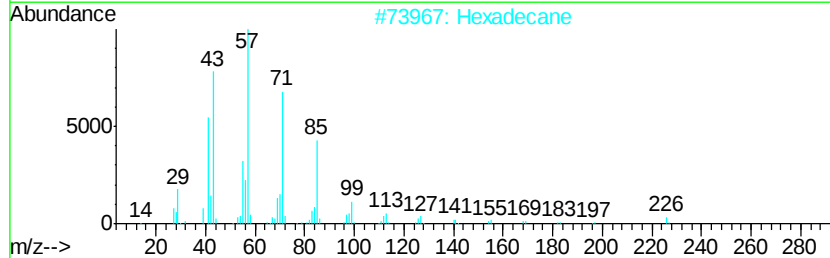
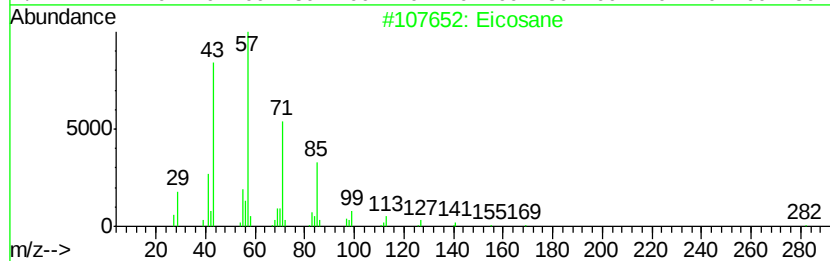
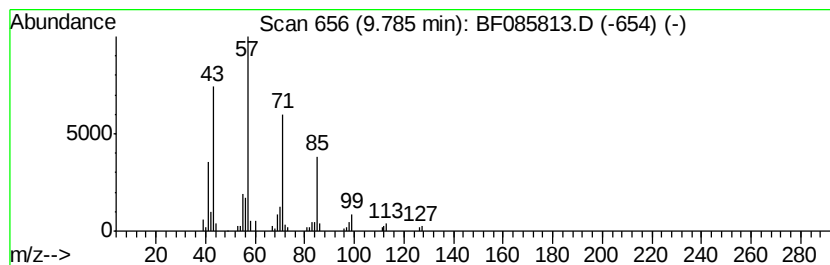
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Eicosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	2.14 ng	98474	Acenaphthene-d10	9.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	80
2			Hexadecane	226	C16H34	000544-76-3	78
3			Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	78
4			1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	78
5			3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085813.D
Acq On : 28 Mar 2016 20:45
Operator : UM/SJ
Sample : H1937-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(12-14)

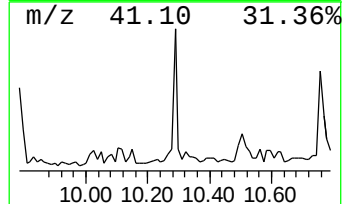
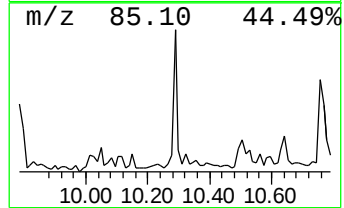
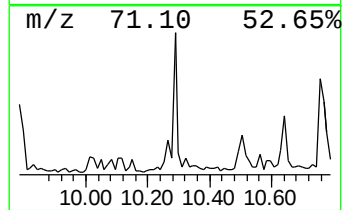
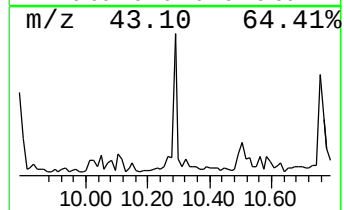
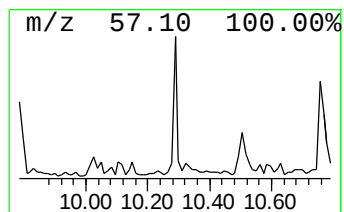
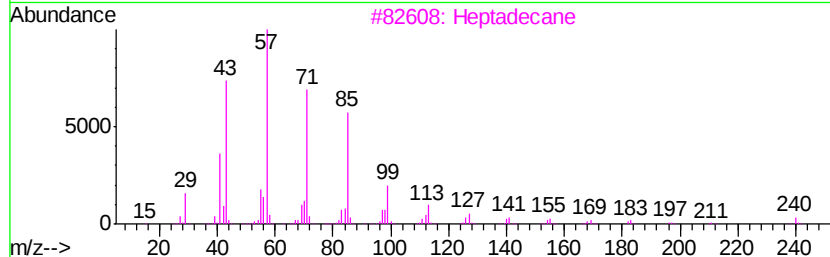
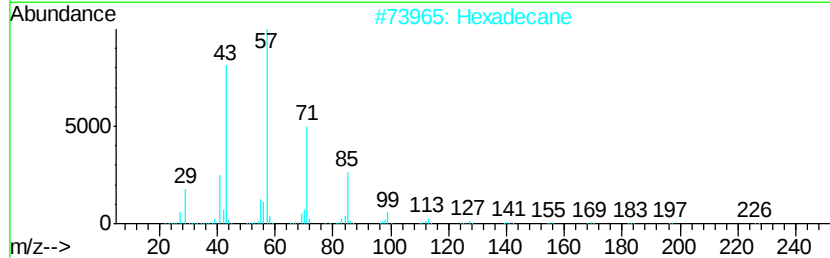
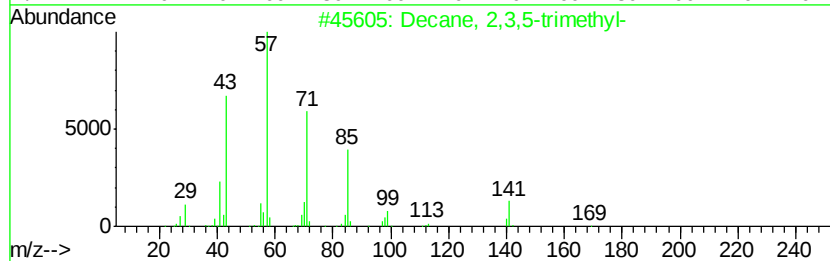
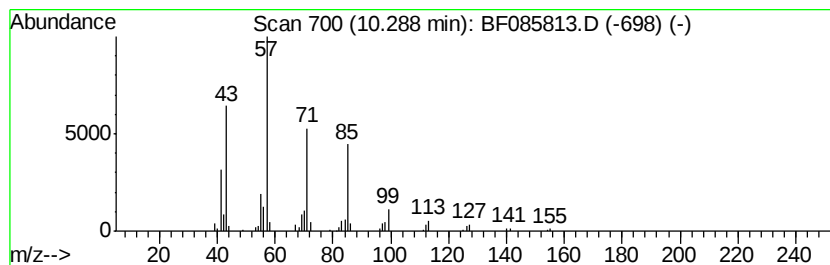
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Decane, 2,3,5-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	2.81 ng	129108	Acenaphthene-d10	9.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
2		Hexadecane	226	C16H34	000544-76-3	90
3		Heptadecane	240	C17H36	000629-78-7	90
4		Pentadecane	212	C15H32	000629-62-9	86
5		Eicosane	282	C20H42	000112-95-8	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085813.D
Acq On : 28 Mar 2016 20:45
Operator : UM/SJ
Sample : H1937-04
Misc :
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ClientSampleId :
GW-04(12-14)

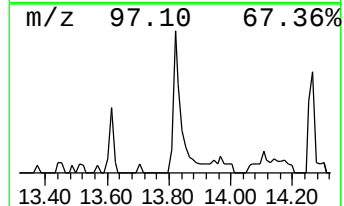
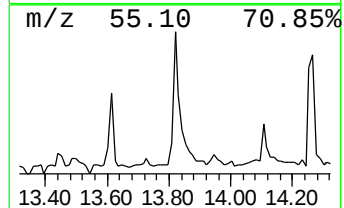
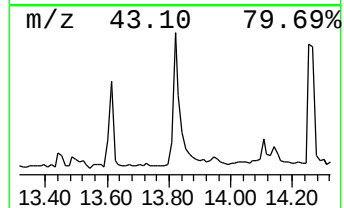
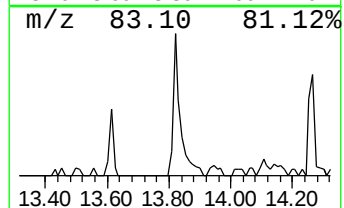
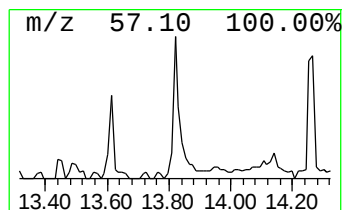
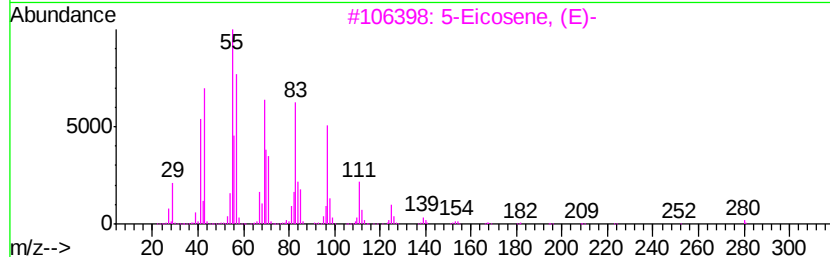
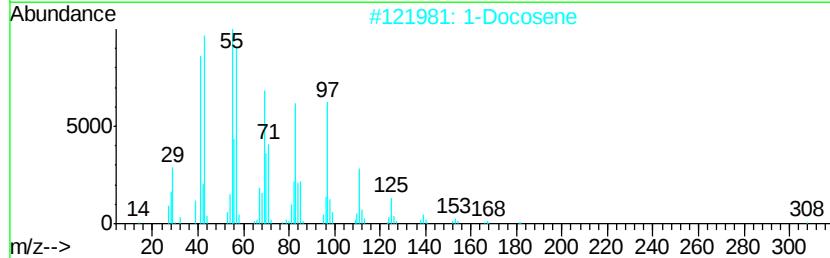
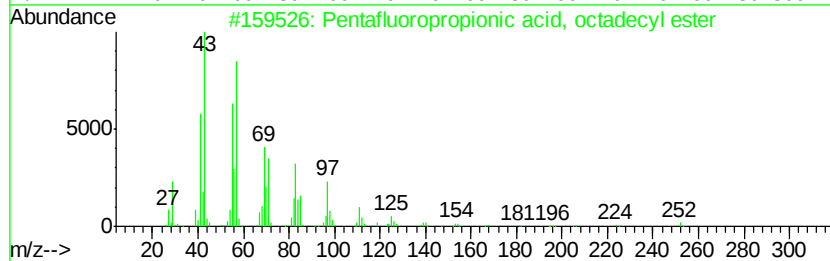
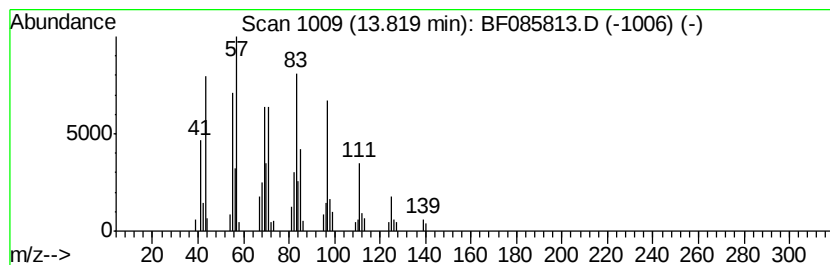
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pentafluoropropionic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.44 ng	126439	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentafluoropropionic acid, octad...	416	C21H37F5O2	1000280-07-7	87
2		1-Docosene	308	C22H44	001599-67-3	87
3		5-Eicosene, (E)-	280	C20H40	074685-30-6	74
4		Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	72
5		1-Hexacosanol	382	C26H54O	000506-52-5	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085813.D
Acq On : 28 Mar 2016 20:45
Operator : UM/SJ
Sample : H1937-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(12-14)

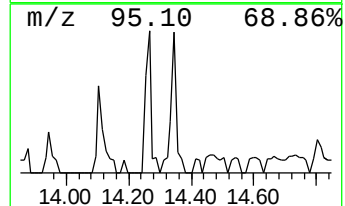
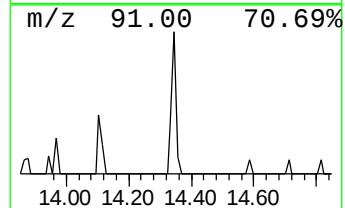
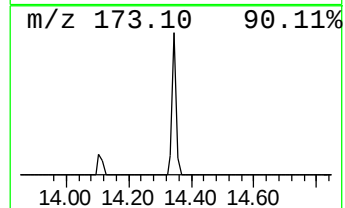
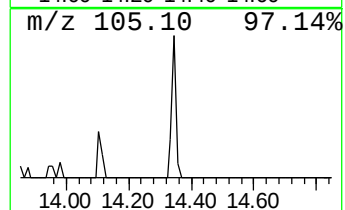
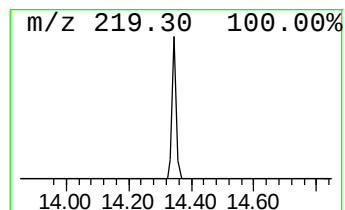
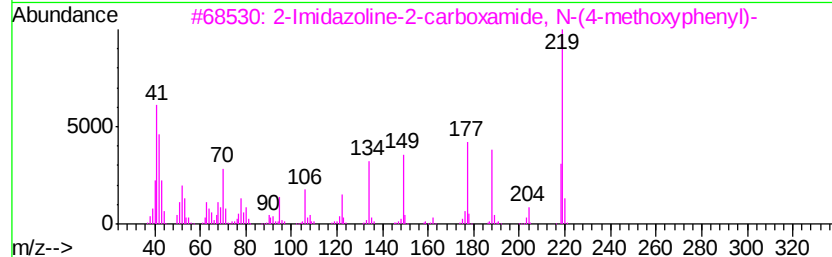
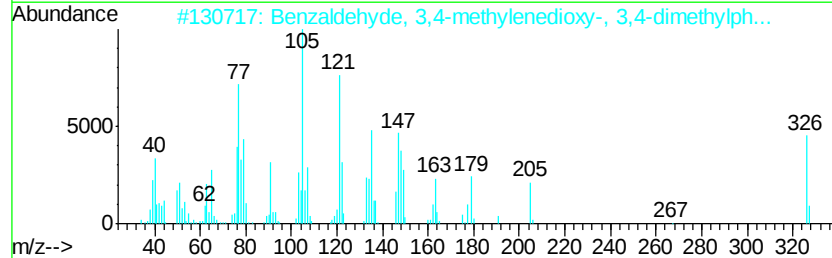
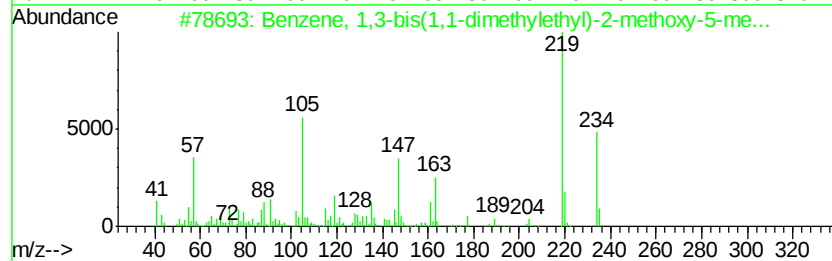
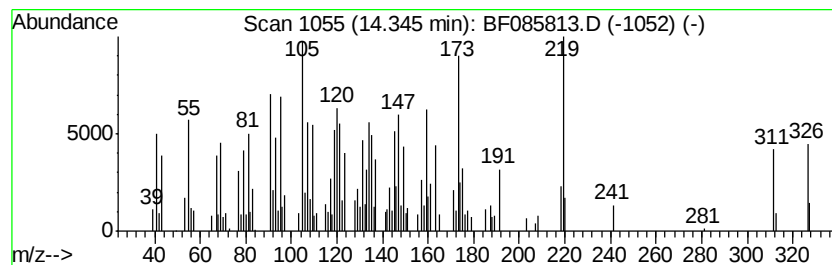
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown14.35 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	3.84 ng	109364	Chrysene-d12	13.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-bis(1,1-dimethyleth...	234	C16H26O	001518-53-2	22
2			Benzaldehyde, 3,4-methylenedioxy...	326	C18H18N2O4	350611-98-2	18
3			2-Imidazoline-2-carboxamide, N-(...	219	C11H13N3O2	156278-16-9	15
4			1,3,5-Triazine-2,4-diamine, 6-ch...	173	C5H8ClN5	001007-28-9	11
5			Diallylphenylvinylsilane	214	C14H18Si	119901-89-2	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
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Acq On : 28 Mar 2016 20:45
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Sample : H1937-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

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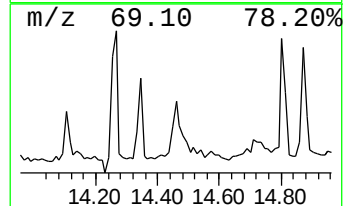
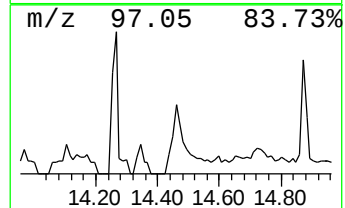
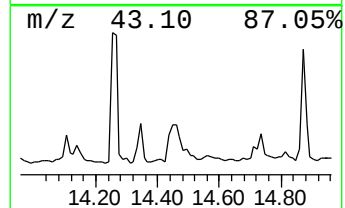
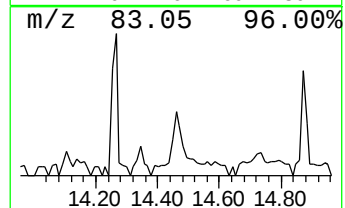
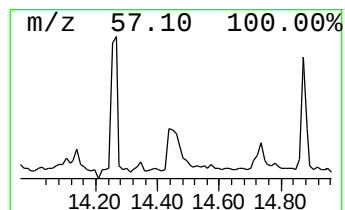
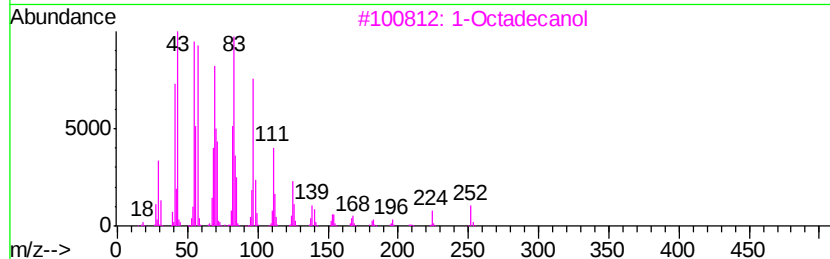
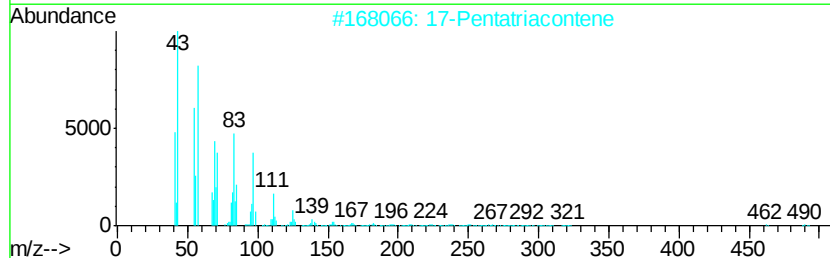
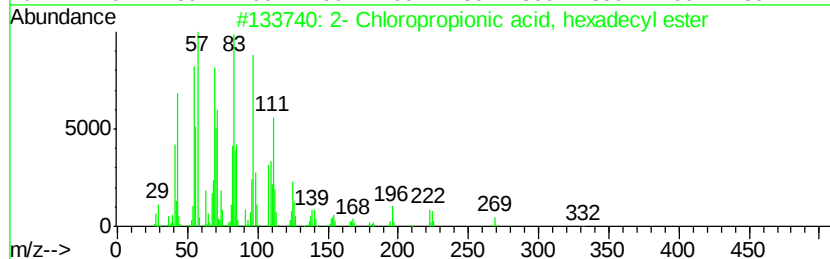
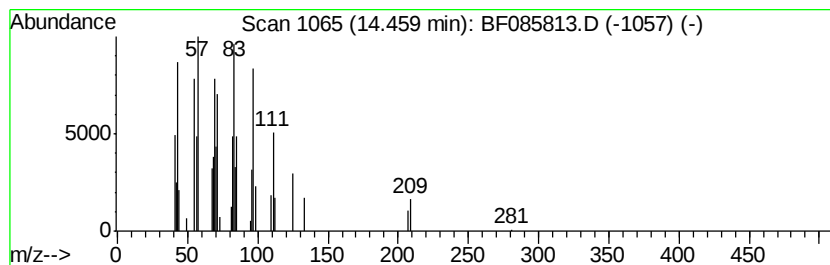
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 2- Chloropropionic acid, he... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	2.27 ng	64676	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	91
2		17-Pentatriacontene	491	C35H70	006971-40-0	91
3		1-Octadecanol	270	C18H38O	000112-92-5	90
4		Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	90
5		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085813.D
Acq On : 28 Mar 2016 20:45
Operator : UM/SJ
Sample : H1937-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GW-04(12-14)

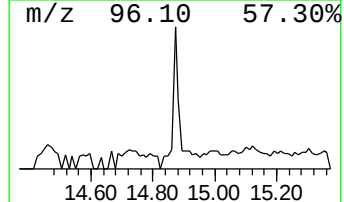
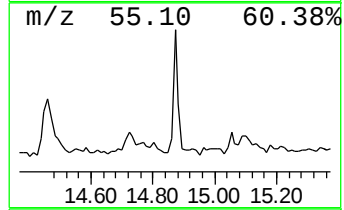
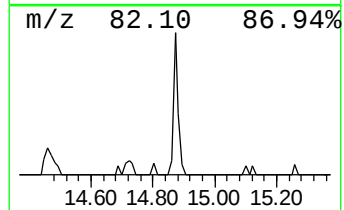
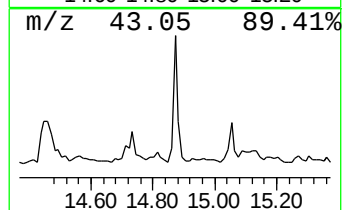
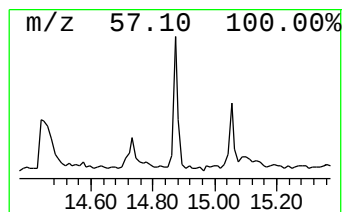
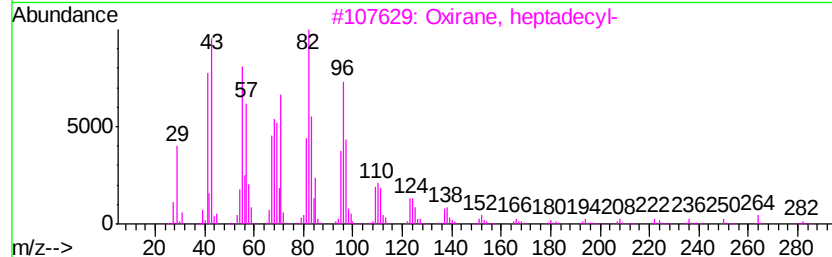
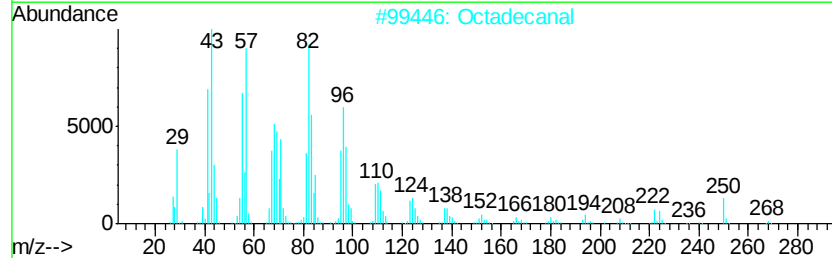
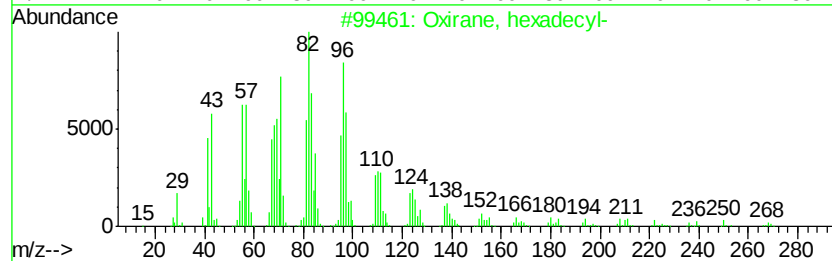
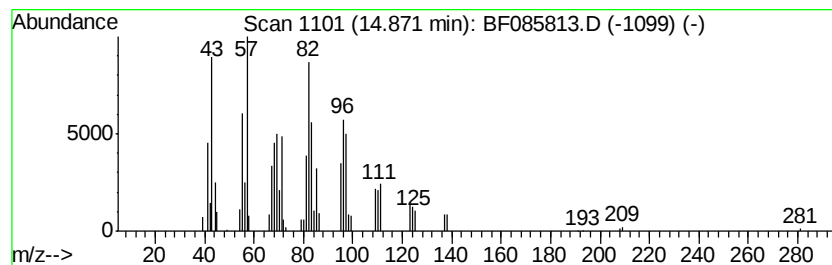
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Oxirane, hexadecyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	2.67 ng	67543	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
2		Octadecanal	268	C18H36O	000638-66-4	91
3		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	87
4		12-Octadecenal	266	C18H34O	056554-91-7	80
5		Hexadecanal	240	C16H32O	000629-80-1	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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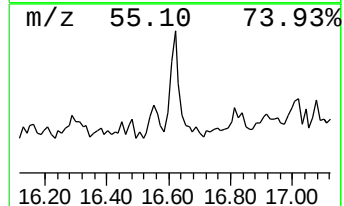
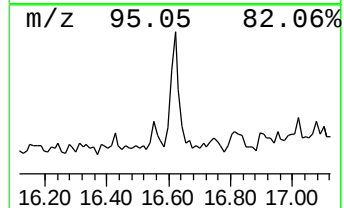
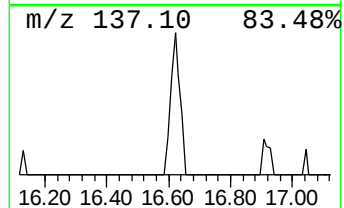
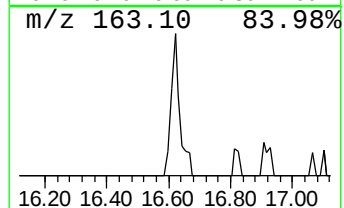
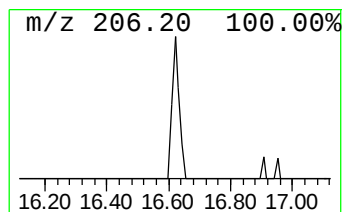
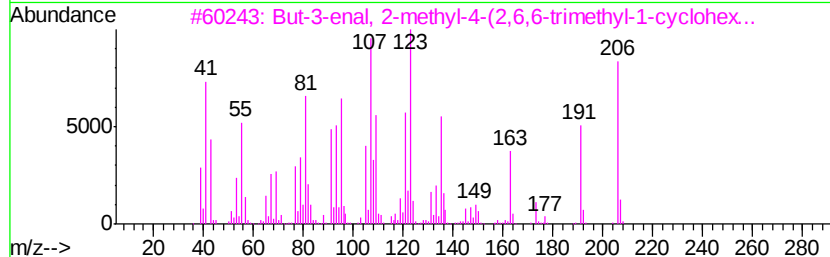
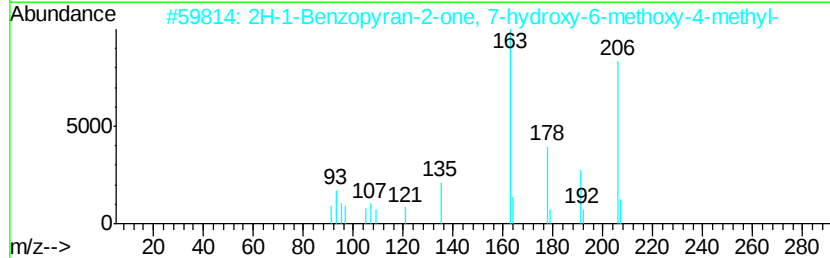
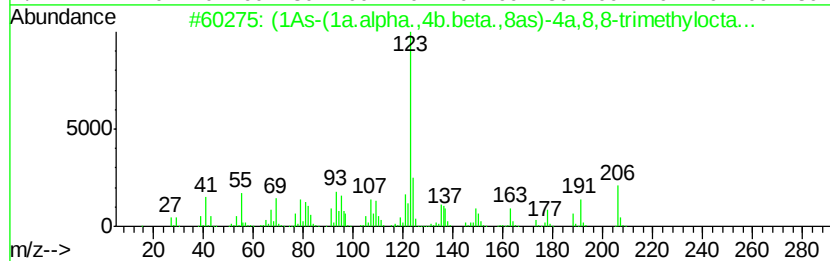
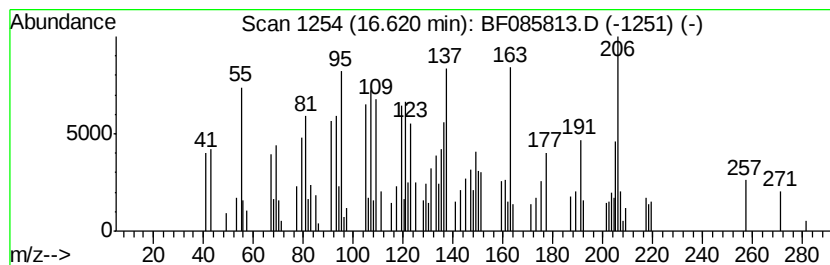
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 (1As-(1a.alpha.,4b.beta.,8a... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	4.01 ng	101454	Perylene-d12	15.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(1As-(1a.alpha.,4b.beta.,8a...-4a...	206	C14H22O	082262-79-1	50
2			2H-1-Benzopyran-2-one, 7-hydroxy...	206	C11H10O4	003374-03-6	43
3			But-3-enal, 2-methyl-4-(2,6,6-tr...	206	C14H22O	104900-59-6	38
4			2-Butenal, 2-methyl-4-(2,6,6-tri...	206	C14H22O	003155-71-3	27
5			2H-1-Benzopyran-2-one, 3,7-dimet...	206	C11H10O4	029076-68-4	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085813.D
Acq On : 28 Mar 2016 20:45
Operator : UM/SJ
Sample : H1937-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-04(12-14)

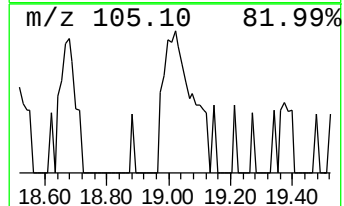
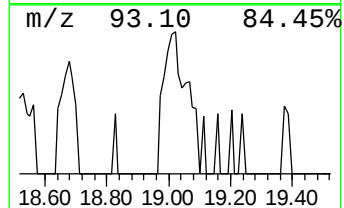
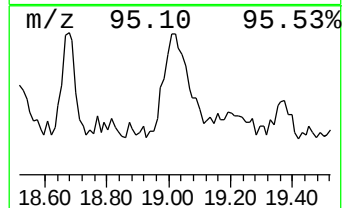
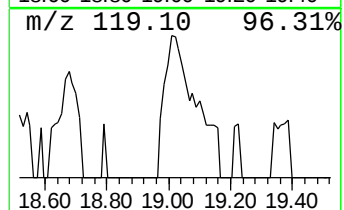
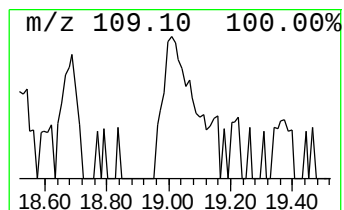
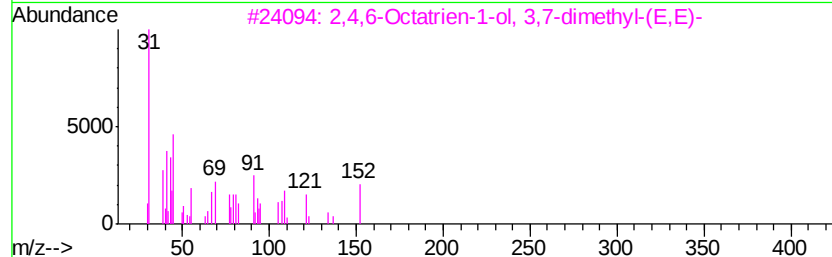
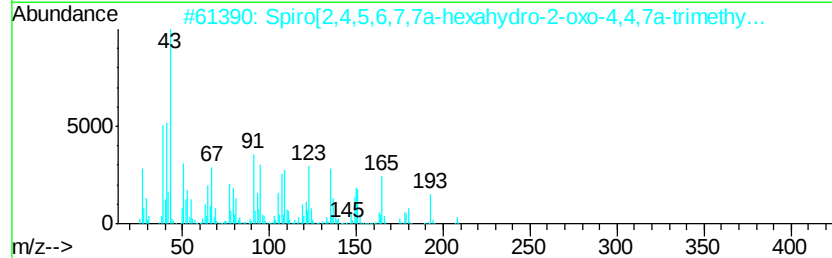
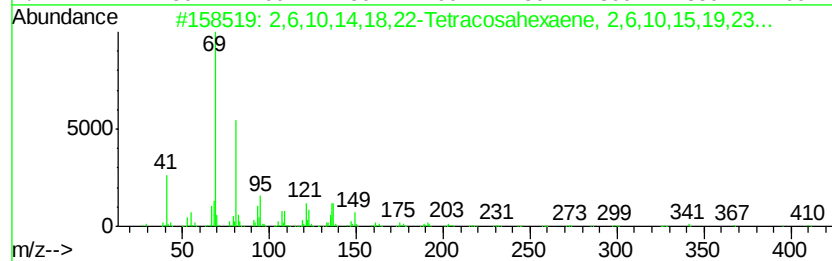
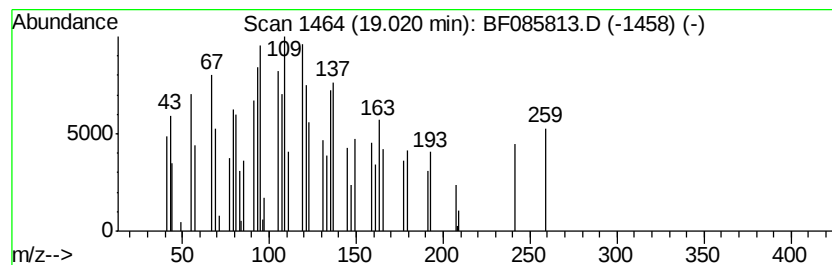
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown19.02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.88 ng	98081	Perylene-d12	15.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	25		
2	Spiro[2,4,5,6,7,7a-hexahydro-2-o...	208	C12H16O3	1000197-10-9	22		
3	2,4,6-Octatrien-1-ol, 3,7-dimeth...	152	C10H16O	089155-85-1	22		
4	2-Propenal, 3-(2,6,6-trimethyl-1...	178	C12H18O	004951-40-0	18		
5	Hexadeca-2,6,10,14-tetraen-1-ol, ...	290	C20H34O	007614-21-3	16		



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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown4.84	4.84	8.6	ng	280925	1	6.81	652420	20.0
2-Pentanone, 4-hy...	5.00	50.0	ng	1630660	1	6.81	652420	20.0
2-Pentanone, 4-me...	5.82	4.3	ng	139165	1	6.81	652420	20.0
unknown6.58	6.58	90.8	ng	2961840	1	6.81	652420	20.0
Eicosane	9.78	2.1	ng	98474	3	9.85	919766	20.0
Decane, 2,3,5-tri...	10.29	2.8	ng	129108	3	9.85	919766	20.0
Pentafluoropropio...	13.82	4.4	ng	126439	5	13.97	569252	20.0
unknown14.35	14.35	3.8	ng	109364	5	13.97	569252	20.0
2-Chloropropioni...	14.46	2.3	ng	64676	5	13.97	569252	20.0
Oxirane, hexadecyl-	14.87	2.7	ng	67543	6	15.39	505790	20.0
(1As-(1a.alpha.,4...	16.62	4.0	ng	101454	6	15.39	505790	20.0
unknown19.02	19.02	3.9	ng	98081	6	15.39	505790	20.0