

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
 Data File : BF087146.D
 Acq On : 18 May 2016 16:23
 Operator : UM/SJ
 Sample : H3136-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GROUNDWATER

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-BF051716.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	1.712	10	11	27	rVB	4488166	8277360	100.00%	17.221%
2	1.918	27	29	57	rVB	160466	802635	9.70%	1.670%
3	4.696	270	272	283	rBV	109914	174753	2.11%	0.364%
4	5.164	311	313	329	rVB	1544340	1776960	21.47%	3.697%
5	6.239	405	407	414	rBV	863662	1240571	14.99%	2.581%
6	6.353	414	417	419	rVV	2752294	3232753	39.06%	6.726%
7	6.399	419	421	429	rVB	54449	108340	1.31%	0.225%
8	6.570	435	436	440	rBV	626442	933754	11.28%	1.943%
9	6.661	443	444	446	rBV	72588	83857	1.01%	0.174%
10	6.730	448	450	453	rVB	3151539	2980306	36.01%	6.200%
11	7.153	484	487	489	rBV	2797766	2779473	33.58%	5.783%
12	7.862	547	549	552	rBV	1218253	1205098	14.56%	2.507%
13	8.947	641	644	646	rBV	4611197	4725403	57.09%	9.831%
14	9.347	677	679	681	rBV	164482	152267	1.84%	0.317%
15	9.565	695	698	699	rBV	90376	106380	1.29%	0.221%
16	9.610	699	702	705	rBV	1447629	1395838	16.86%	2.904%
17	9.805	715	719	722	rBV3	58943	117050	1.41%	0.244%
18	10.056	737	741	743	rBV2	130678	143736	1.74%	0.299%
19	10.399	768	771	774	rBV	2337487	2641861	31.92%	5.496%
20	10.525	780	782	786	rVB	97270	105441	1.27%	0.219%
21	10.833	806	809	811	rBV	77489	84166	1.02%	0.175%
22	11.085	829	831	834	rBV	1254655	1318521	15.93%	2.743%
23	11.268	845	847	849	rBV	1024890	839673	10.14%	1.747%
24	11.668	879	882	885	rVB	4212608	4956217	59.88%	10.311%
25	11.748	886	889	892	rVB2	95337	102704	1.24%	0.214%
26	12.674	967	970	973	rBV	4071006	4102462	49.56%	8.535%
27	13.154	1009	1012	1014	rBV	114194	152997	1.85%	0.318%
28	13.462	1036	1039	1043	rBV	36220	84956	1.03%	0.177%
29	13.599	1048	1051	1056	rVB	63046	113882	1.38%	0.237%
30	13.714	1058	1061	1064	rBV	1520851	1430738	17.28%	2.977%
31	14.114	1092	1096	1099	rVB	95718	234704	2.84%	0.488%
32	14.251	1104	1108	1110	rVB2	83032	141061	1.70%	0.293%
33	14.354	1115	1117	1119	rBV2	84242	127955	1.55%	0.266%
34	14.468	1125	1127	1130	rBV	166097	182429	2.20%	0.380%

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ALS Vial : 4 Sample Multiplier: 1

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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-BF051716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.537	1130	1133	1135	rVV	145635	182600	2.21%	0.380%
36	15.062	1177	1179	1182	rBV	779643	1027282	12.41%	2.137%

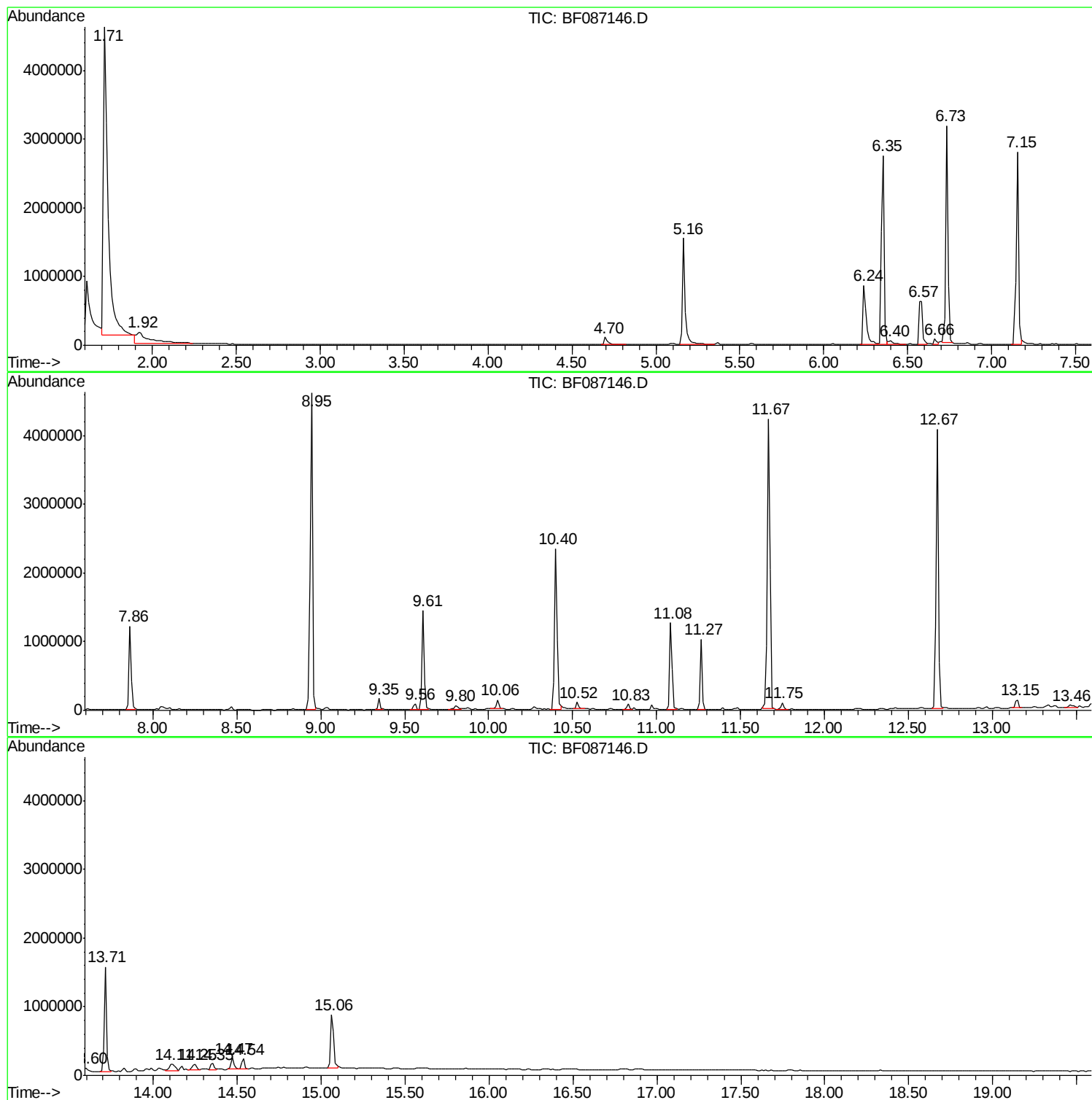
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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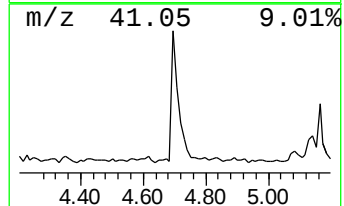
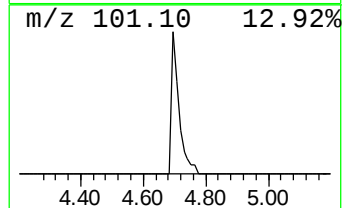
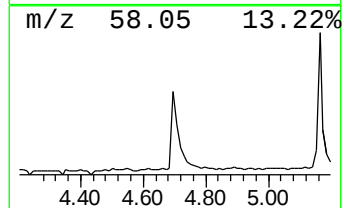
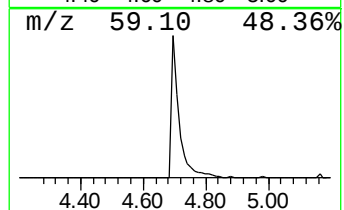
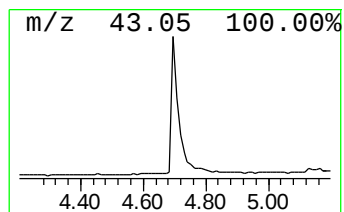
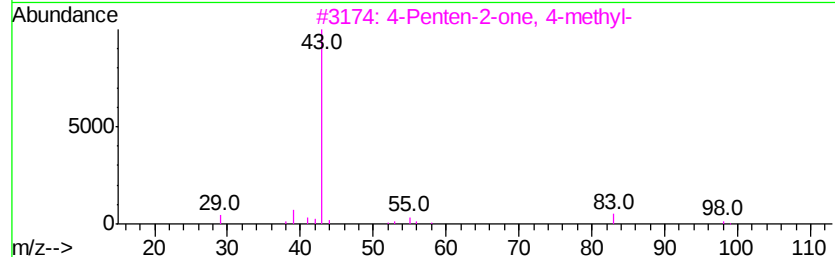
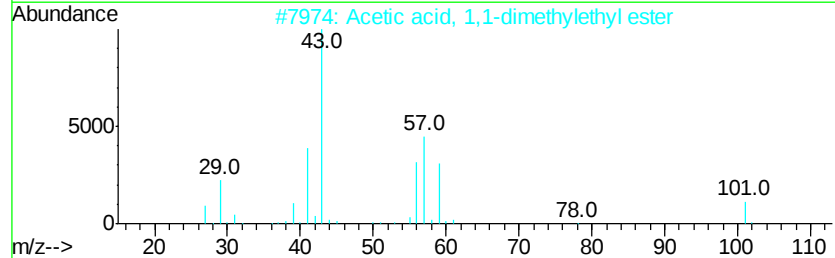
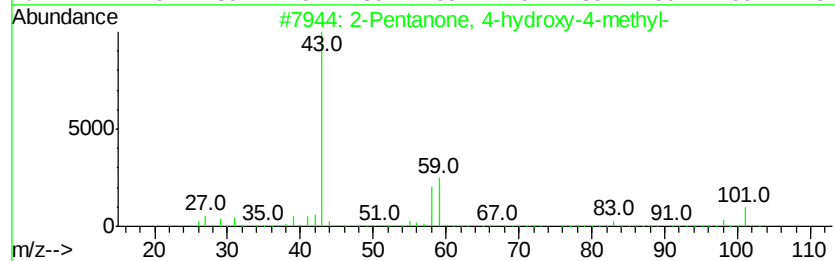
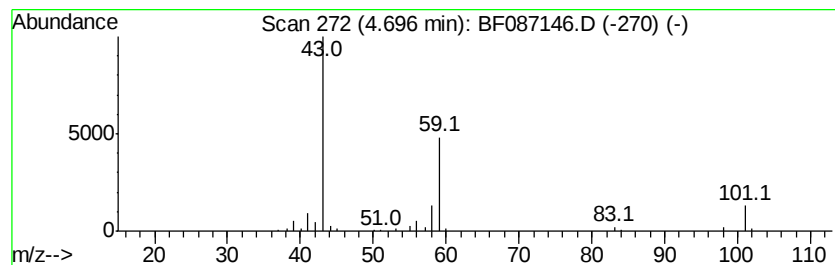
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.70	3.74 ng	174753	1,4-Dichlorobenzene-d4	6.58

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3			4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	14
4			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5			Butane	58	C4H10	000106-97-8	9



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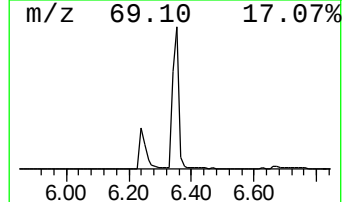
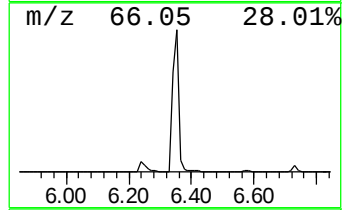
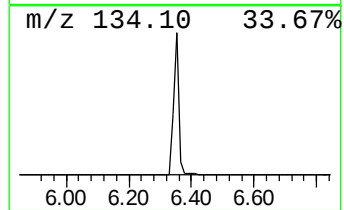
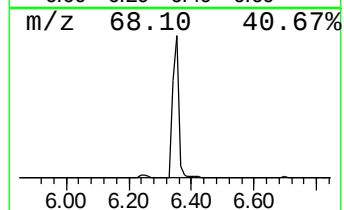
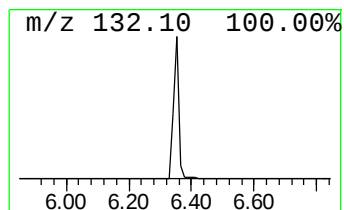
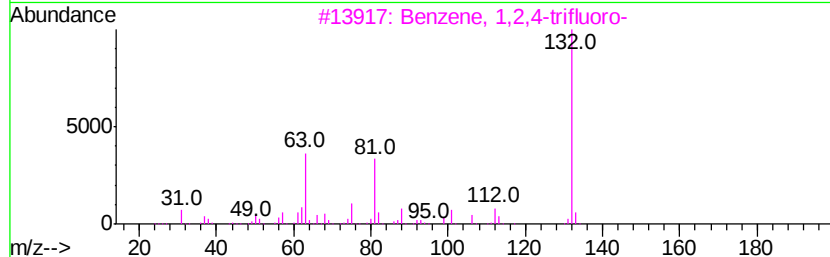
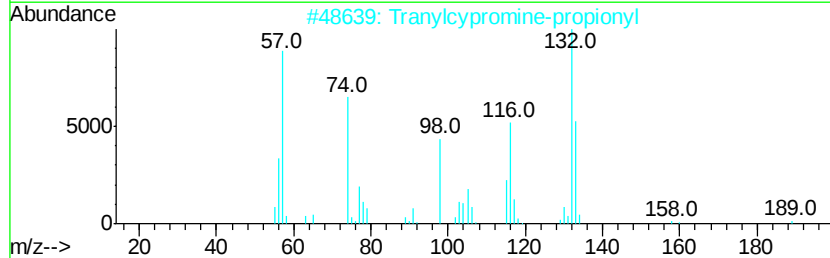
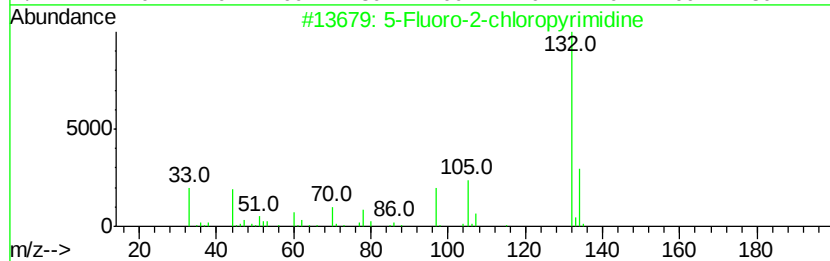
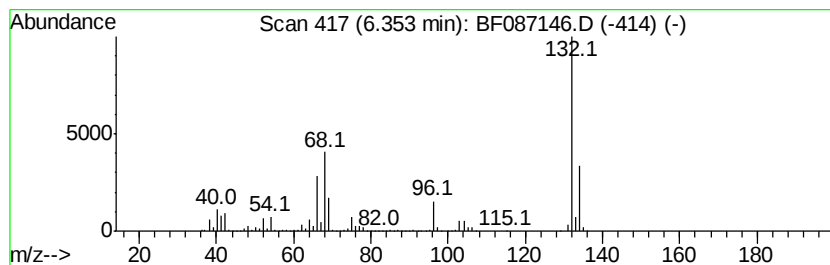
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.35 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	69.24 ng	3232750	1,4-Dichlorobenzene-d4	6.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
3		Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
4		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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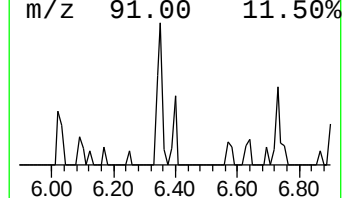
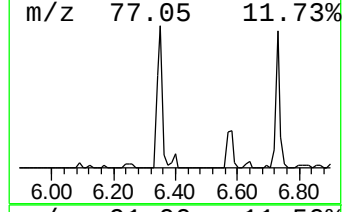
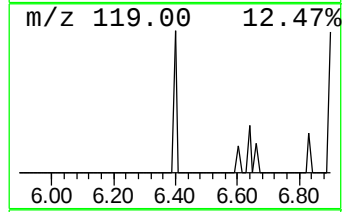
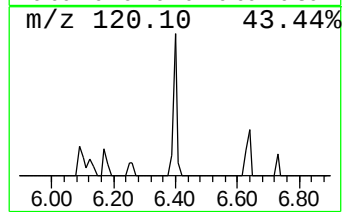
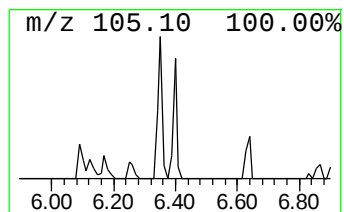
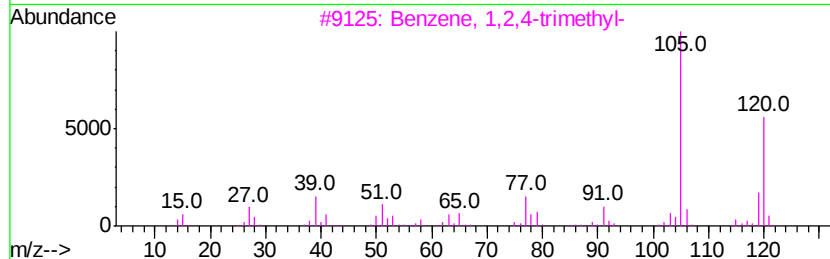
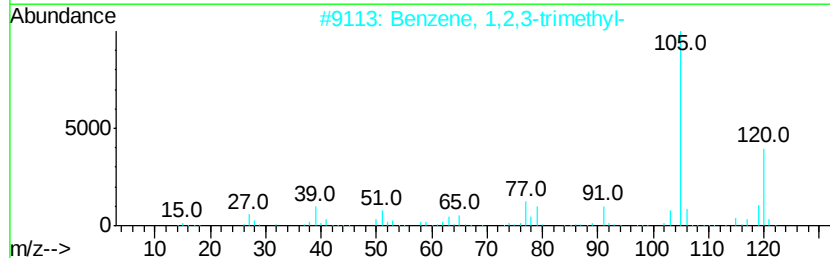
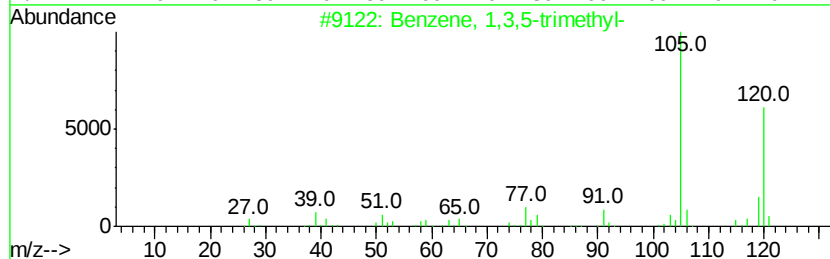
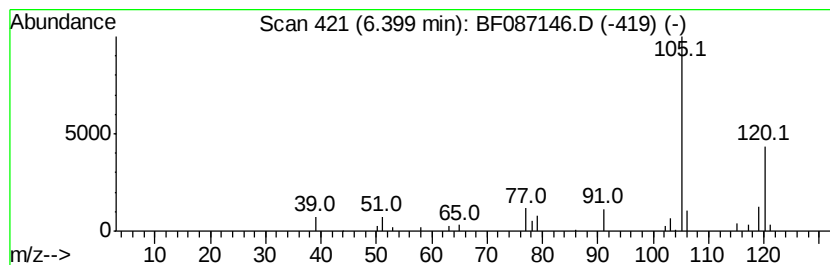
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1,3,5-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	2.32 ng	108340	1,4-Dichlorobenzene-d4	6.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87



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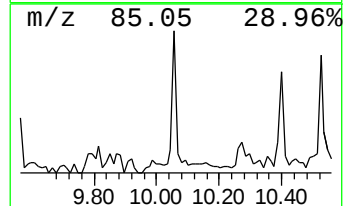
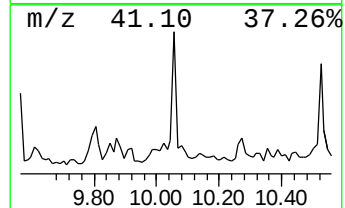
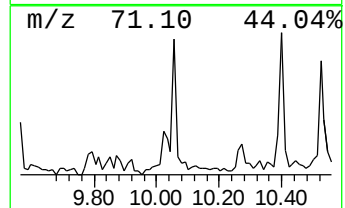
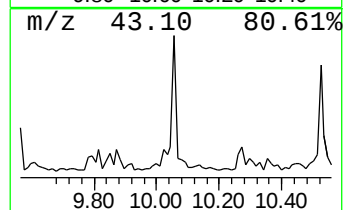
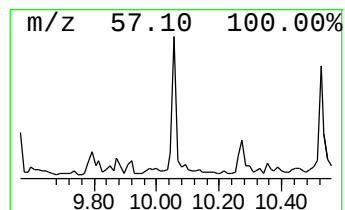
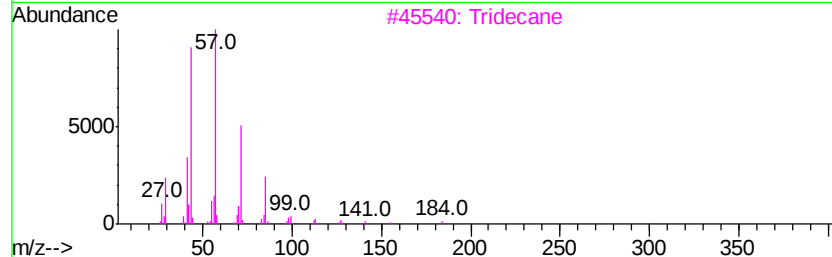
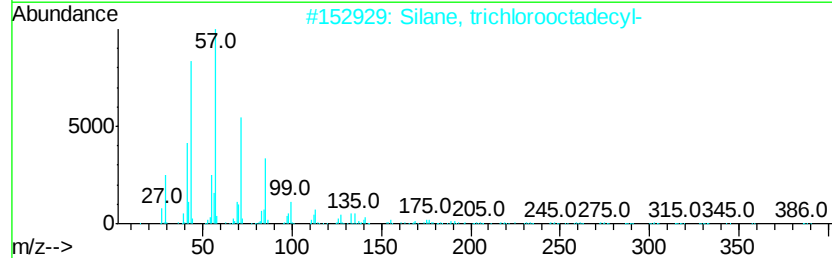
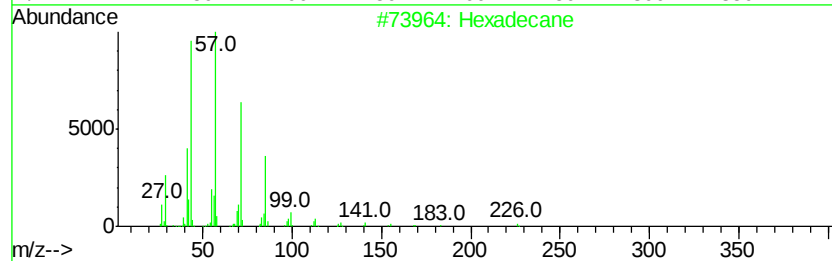
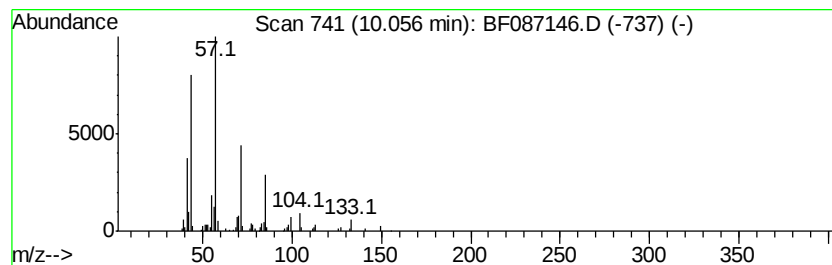
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	2.06 ng	143736	Acenaphthene-d10	9.61
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	87
2	Silane, trichlorooctadecyl-	386 C18H37Cl3Si	000112-04-9	86
3	Tridecane	184 C13H28	000629-50-5	86
4	Pentadecane	212 C15H32	000629-62-9	86
5	Octadecane	254 C18H38	000593-45-3	72



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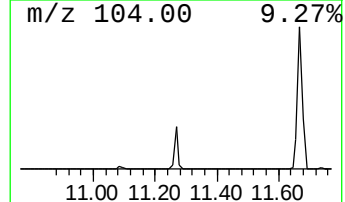
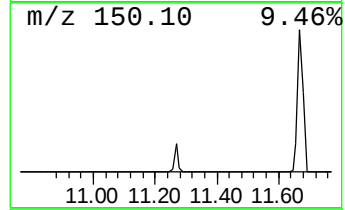
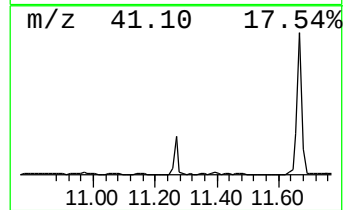
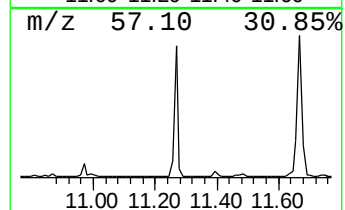
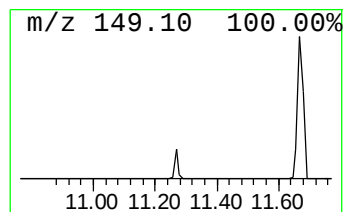
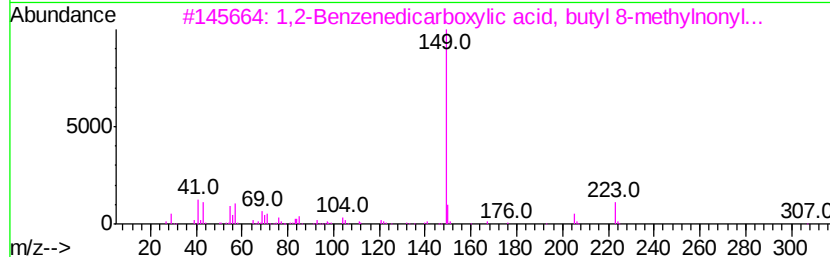
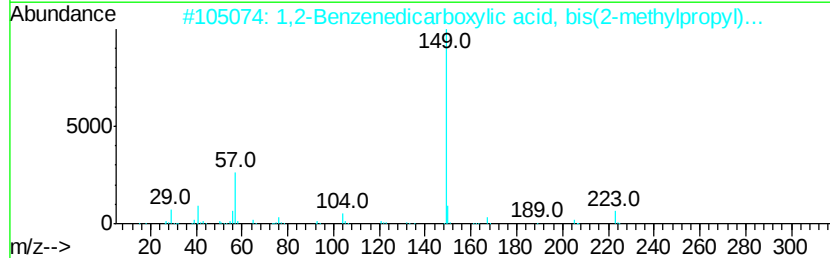
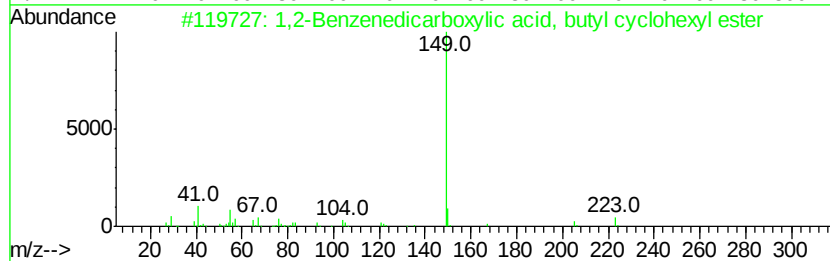
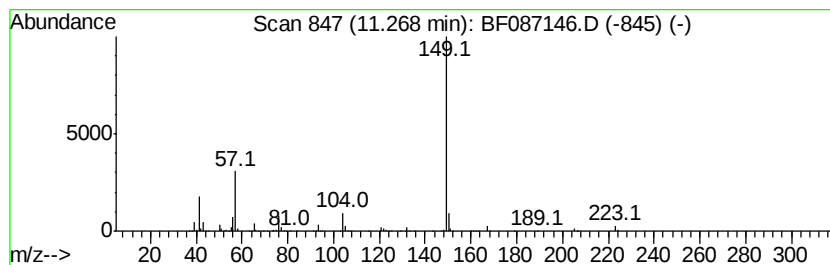
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 8 1,2-Benzenedicarboxylic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	12.74 ng	839673	Phenanthrene-d10	11.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2-Benzenedicarboxylic acid, bu...	304	C18H24O4	000084-64-0	86
2		1,2-Benzenedicarboxylic acid, bi...	278	C16H22O4	000084-69-5	78
3		1,2-Benzenedicarboxylic acid, bu...	362	C22H34O4	000089-18-9	78
4		1,2-Benzenedicarboxylic acid, di...	250	C14H18O4	000131-16-8	72
5		1,2-Benzenedicarboxylic acid, bu...	362	C22H34O4	000089-19-0	64



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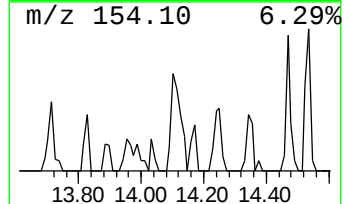
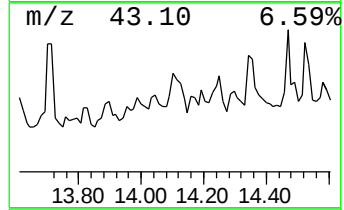
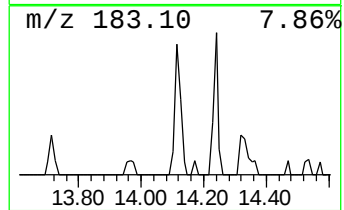
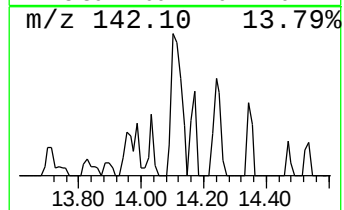
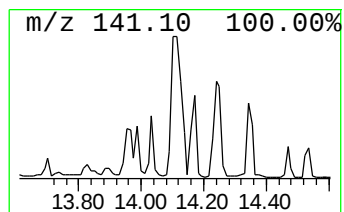
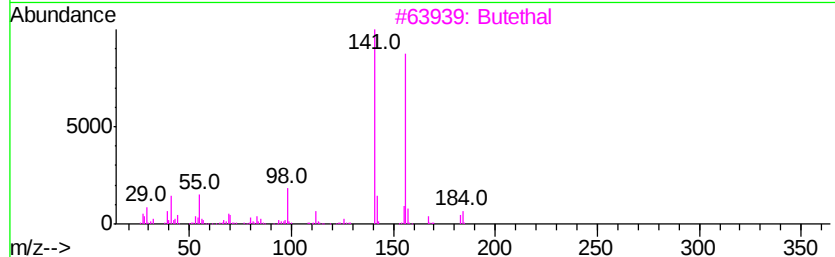
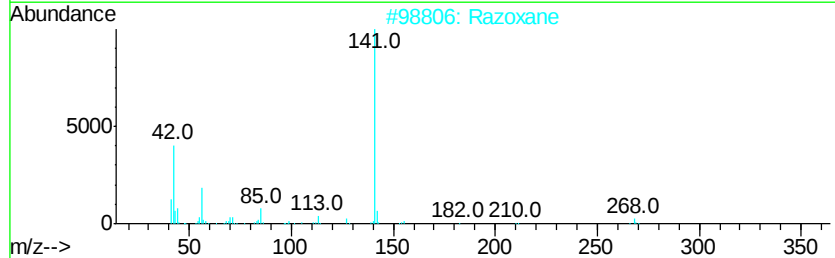
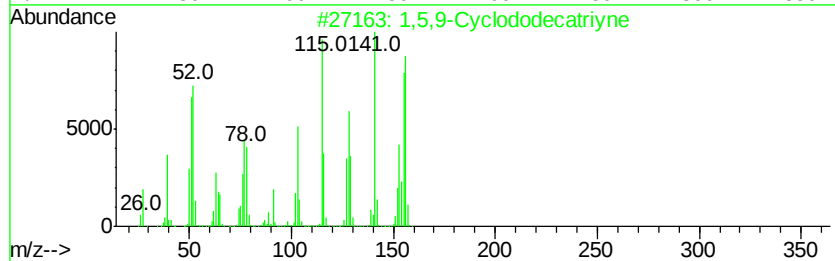
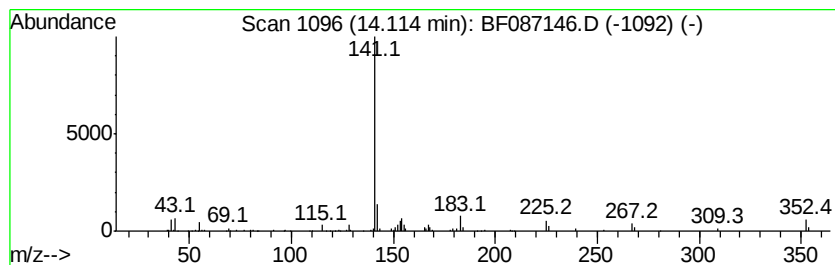
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1,5,9-Cyclododecatriyne Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	3.28 ng	234704	Chrysene-d12	13.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,5,9-Cyclododecatriyne	156	C12H12	060323-50-4	50
2		Razoxane	268	C11H16N4O4	021416-87-5	45
3		Butethal	212	C10H16N2O3	000077-28-1	39
4		2-Butyl-4-ethyl-5-methylthiazole	183	C10H17NS	052414-88-7	9
5		2,6-Difluorobenzoic acid, 3-meth...	226	C12H12F2O2	1000292-58-2	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
Data File : BF087146.D
Acq On : 18 May 2016 16:23
Operator : UM/SJ
Sample : H3136-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

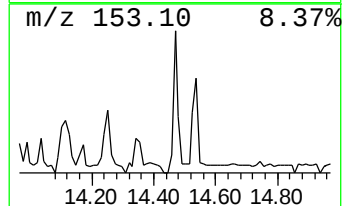
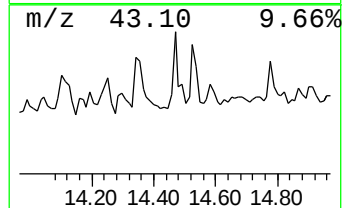
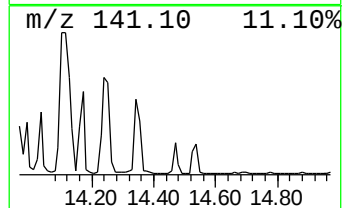
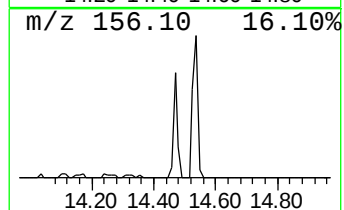
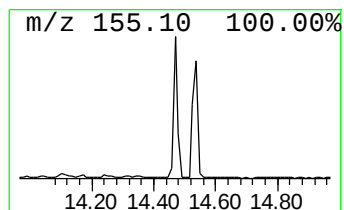
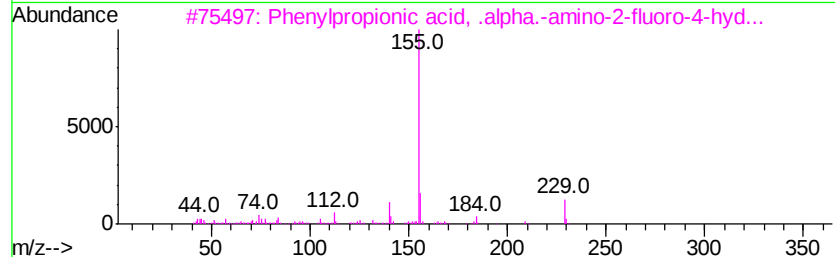
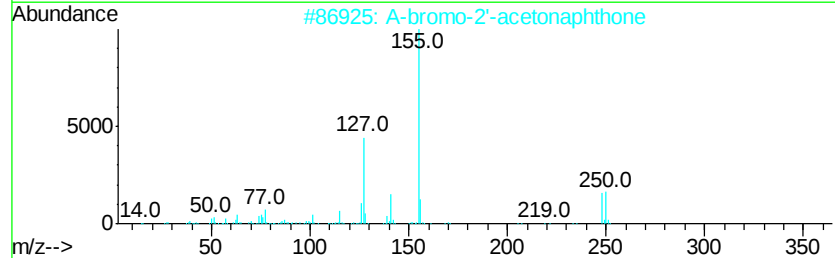
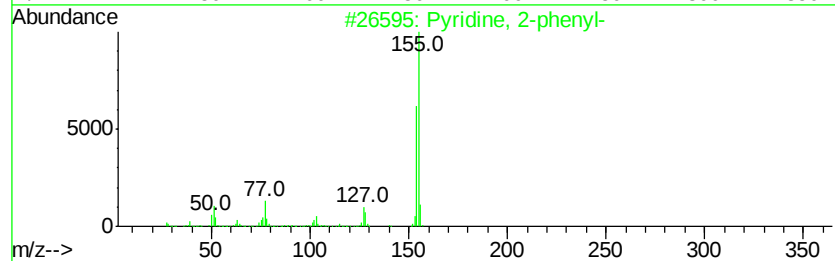
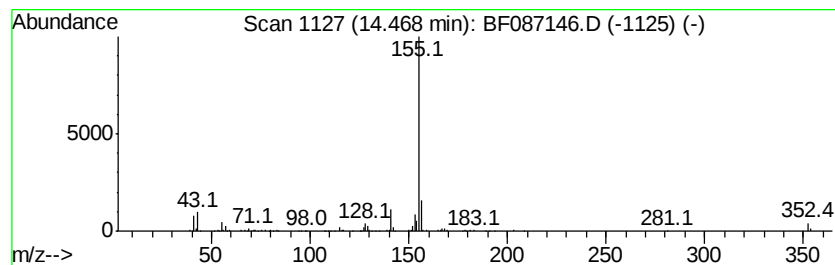
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pyridine, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	3.55 ng	182429	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyridine, 2-phenyl-	155	C11H9N	001008-89-5	59
2		A-bromo-2'-acetophenone	248	C12H9BrO	000613-54-7	39
3		Phenylpropionic acid, .alpha.-amino-2-fluoro-4-hydroxy-	229	C10H12FN04	1000126-07-3	38
4		2H-Furo[3,2-b]pyran-2-one, hexahydro-	262	C11H18O7	050392-34-2	33
5		Naphthalene, 2-methyl-1-propyl-	184	C14H16	054774-89-9	23



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
Data File : BF087146.D
Acq On : 18 May 2016 16:23
Operator : UM/SJ
Sample : H3136-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

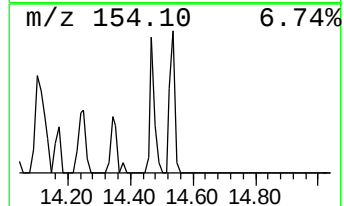
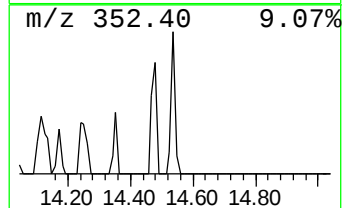
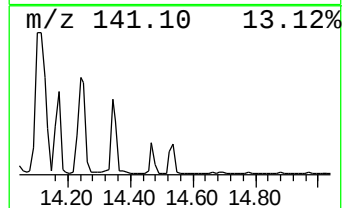
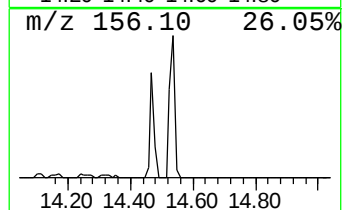
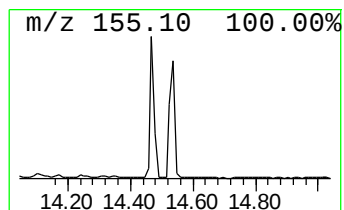
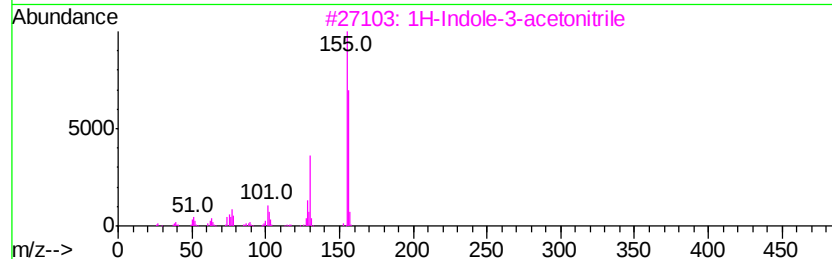
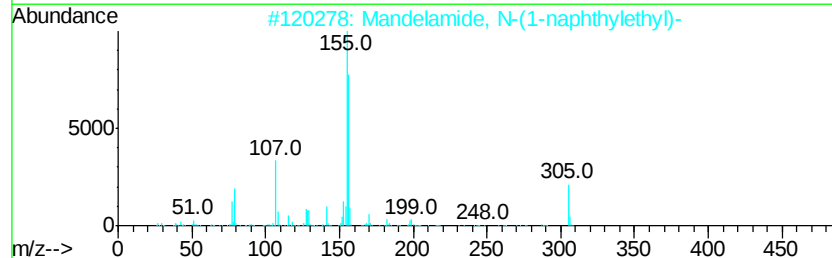
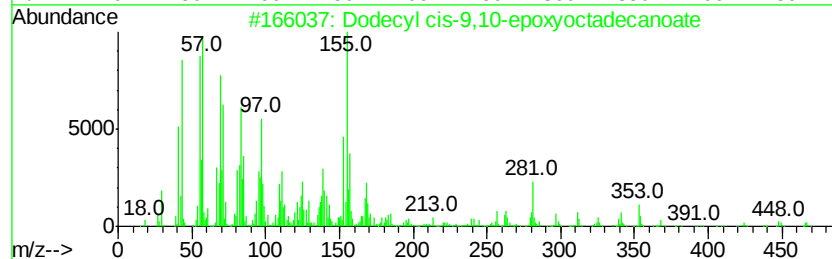
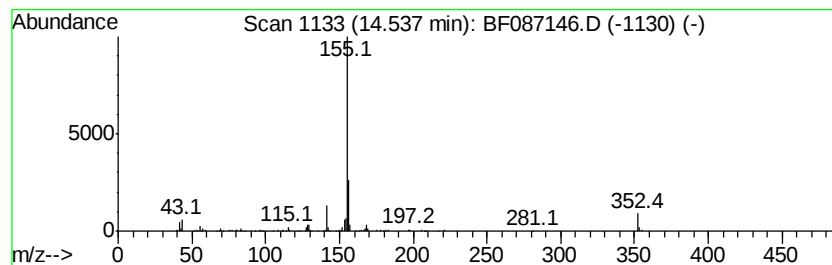
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown14.54 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	3.56 ng	182600	Perylene-d12	15.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecyl cis-9,10-epoxvoctadecanoate	466	C30H58O3	092332-53-1	28
2			Mandelamide, N-(1-naphthylethyl)-	305	C20H19NO2	344875-77-0	16
3			1H-Indole-3-acetonitrile	156	C10H8N2	000771-51-7	10
4			1,5-Bis(naphthalen-1-yl)pentane-...	352	C25H20O2	1000210-52-9	9
5			6-Amino-1,3-dimethyluracil	155	C6H9N3O2	006642-31-5	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051816\
Data File : BF087146.D
Acq On : 18 May 2016 16:23
Operator : UM/SJ
Sample : H3136-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GROUNDWATER

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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...	4.70	3.7	ng	174753	1	6.58	933754	20.0
unknown6.35	6.35	69.2	ng	3232750	1	6.58	933754	20.0
Benzene, 1,3,5-tr...	6.40	2.3	ng	108340	1	6.58	933754	20.0
Hexadecane	10.06	2.1	ng	143736	3	9.61	1395840	20.0
1,2-Benzenedicarb...	11.27	12.7	ng	839673	4	11.08	1318520	20.0
1,5,9-Cyclododeca...	14.11	3.3	ng	234704	5	13.71	1430740	20.0
Pyridine, 2-phenyl-	14.47	3.5	ng	182429	6	15.06	1027280	20.0
unknown14.54	14.54	3.6	ng	182600	6	15.06	1027280	20.0