

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
 Data File : BF091061.D
 Acq On : 7 Nov 2016 17:38
 Operator : UM/SJ
 Sample : H5539-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V001-BF017-01

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-BF110316.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	1.767	5	7	46	rVB	2185748	6069166	100.00%	11.069%
2	4.807	270	273	285	rBV	506942	865393	14.26%	1.578%
3	5.253	310	312	315	rBV	2784299	3728166	61.43%	6.799%
4	6.327	402	406	408	rBV	3140452	4577106	75.42%	8.347%
5	6.442	413	416	418	rBV	3679772	4280829	70.53%	7.807%
6	6.670	434	436	438	rBV	1092421	1050671	17.31%	1.916%
7	6.819	447	449	452	rBV	2125770	2922640	48.16%	5.330%
8	7.242	483	486	488	rBV	2581096	2837580	46.75%	5.175%
9	7.950	546	548	551	rBV	1167067	1441750	23.76%	2.629%
10	8.556	599	601	603	rBV	42667	69060	1.14%	0.126%
11	9.036	640	643	646	rBV	4301694	4124502	67.96%	7.522%
12	9.128	649	651	653	rVV	89021	85672	1.41%	0.156%
13	9.379	669	673	676	rBV5	20199	68127	1.12%	0.124%
14	9.436	676	678	680	rBV	262415	243332	4.01%	0.444%
15	9.653	695	697	699	rVB	132335	119468	1.97%	0.218%
16	9.711	699	702	704	rBV	1948299	1794258	29.56%	3.272%
17	10.156	739	741	743	rVB	200533	166237	2.74%	0.303%
18	10.374	758	760	763	rBV	71964	89559	1.48%	0.163%
19	10.499	768	771	773	rBV	2712642	2601578	42.87%	4.745%
20	10.625	780	782	786	rBV	262585	319500	5.26%	0.583%
21	10.831	796	800	803	rBV2	33326	68332	1.13%	0.125%
22	11.071	820	821	823	rVV	172396	186098	3.07%	0.339%
23	11.185	829	831	836	rBV2	1367657	2294221	37.80%	4.184%
24	11.265	836	838	841	rVB	143376	145691	2.40%	0.266%
25	11.425	849	852	856	rBV3	57104	127164	2.10%	0.232%
26	11.494	856	858	861	rVV2	68122	102603	1.69%	0.187%
27	11.688	873	875	876	rBV	71296	72651	1.20%	0.132%
28	11.722	876	878	880	rVV	82779	105678	1.74%	0.193%
29	11.802	883	885	890	rVB2	144112	233428	3.85%	0.426%
30	11.905	892	894	895	rVV	82125	63163	1.04%	0.115%
31	11.985	899	901	902	rBV	96715	86125	1.42%	0.157%
32	12.237	921	923	925	rBV2	55204	76364	1.26%	0.139%
33	12.294	926	928	929	rVV	65293	62909	1.04%	0.115%
34	12.397	935	937	940	rBV	1185020	1075778	17.73%	1.962%

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35	12.545	947	950	952	rBV2	43240	71814	1.18%	0.131%
36	12.625	954	957	959	rVV	902106	1034211	17.04%	1.886%
37	12.682	959	962	964	rVB3	60705	134420	2.21%	0.245%
38	12.774	968	970	973	rVV	3220120	3725655	61.39%	6.795%
39	12.842	973	976	978	rVV2	49915	84927	1.40%	0.155%
40	12.957	982	986	988	rVB	101959	155906	2.57%	0.284%
41	13.025	988	992	993	rBV	88510	143131	2.36%	0.261%
42	13.059	993	995	998	rBV2	77135	120003	1.98%	0.219%
43	13.254	1010	1012	1015	rBV4	35432	68678	1.13%	0.125%
44	13.357	1018	1021	1022	rBV2	37896	72176	1.19%	0.132%
45	13.460	1029	1030	1034	rBV2	40679	77388	1.28%	0.141%
46	13.574	1037	1040	1041	rBV	69020	109293	1.80%	0.199%
47	13.677	1047	1049	1053	rBV	275512	385821	6.36%	0.704%
48	13.825	1058	1062	1068	rBV2	1175587	2135886	35.19%	3.895%
49	13.928	1069	1071	1073	rVB	66976	74797	1.23%	0.136%
50	14.317	1102	1105	1110	rBV3	269821	478551	7.88%	0.873%
51	14.820	1147	1149	1154	rBV	360459	631963	10.41%	1.153%
52	14.911	1154	1157	1162	rBV2	155890	337137	5.55%	0.615%
53	15.094	1170	1173	1175	rVB	160799	240516	3.96%	0.439%
54	15.151	1175	1178	1180	rBV	218968	341341	5.62%	0.623%
55	15.208	1180	1183	1185	rBV	707227	1102807	18.17%	2.011%
56	15.425	1199	1202	1205	rVB4	75449	121465	2.00%	0.222%
57	15.631	1217	1220	1222	rBV	96348	155882	2.57%	0.284%
58	15.814	1234	1236	1242	rVB2	72457	169720	2.80%	0.310%
59	16.328	1278	1281	1290	rVB3	91040	223123	3.68%	0.407%
60	16.500	1293	1296	1301	rVB2	115824	220513	3.63%	0.402%
61	16.877	1327	1329	1336	rVB	91786	195390	3.22%	0.356%
62	16.991	1337	1339	1343	rVB4	34701	65325	1.08%	0.119%

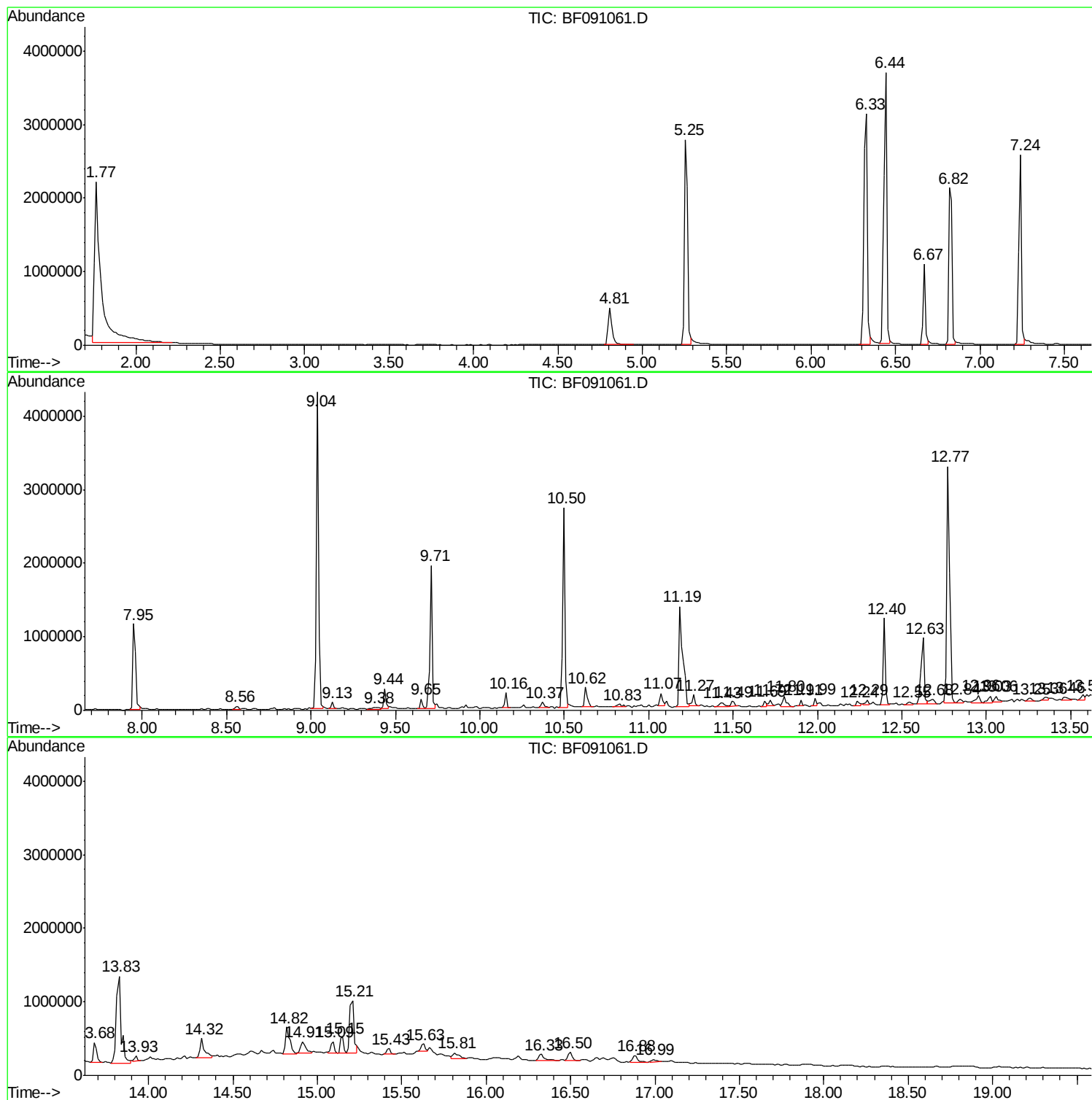
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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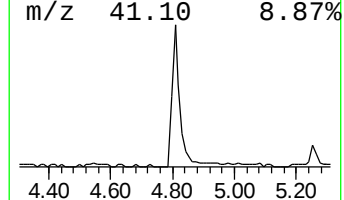
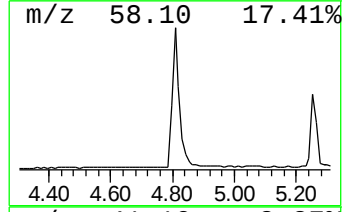
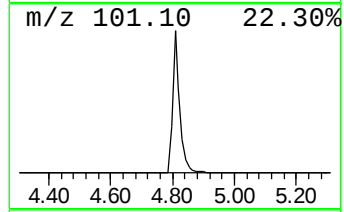
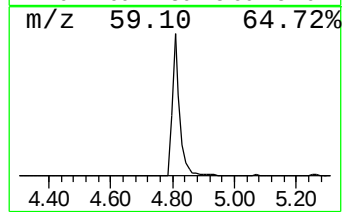
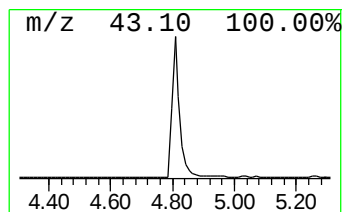
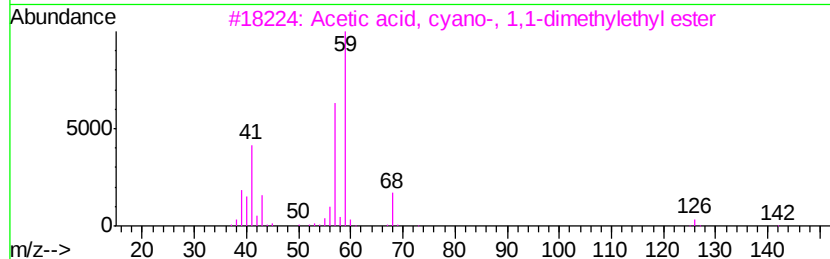
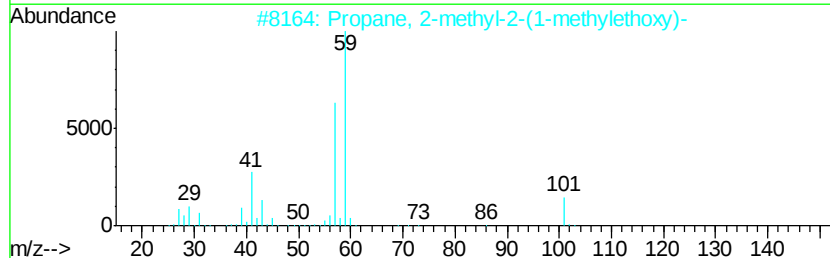
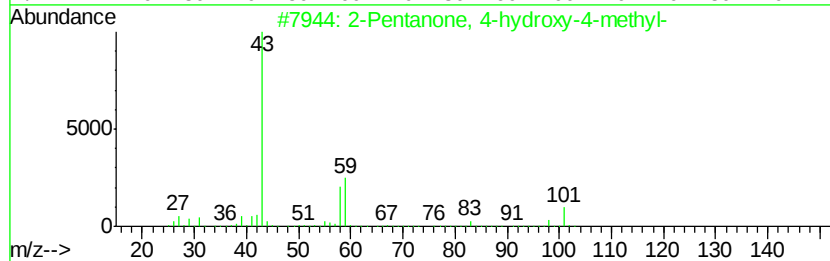
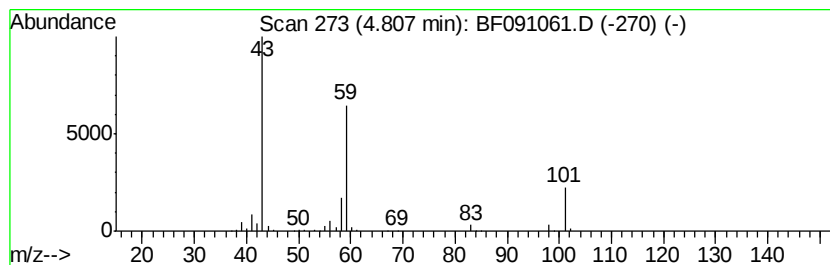
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.81	16.47 ng	865393	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Propane, 2-methyl-2-(1-methylethoxy)-	116	C7H16O	017348-59-3	53
3		Acetic acid, cyano-, 1,1-dimethyl-	141	C7H11NO2	001116-98-9	23
4		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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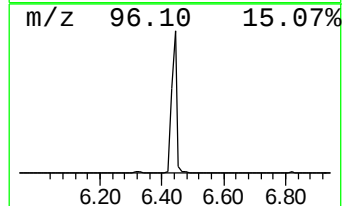
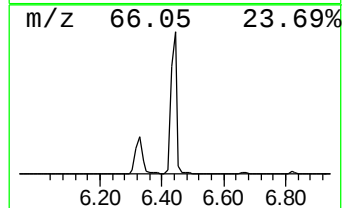
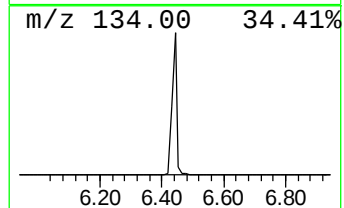
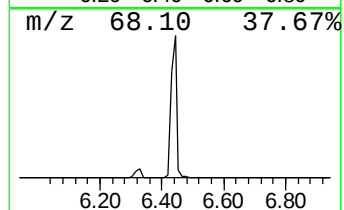
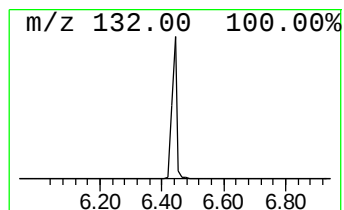
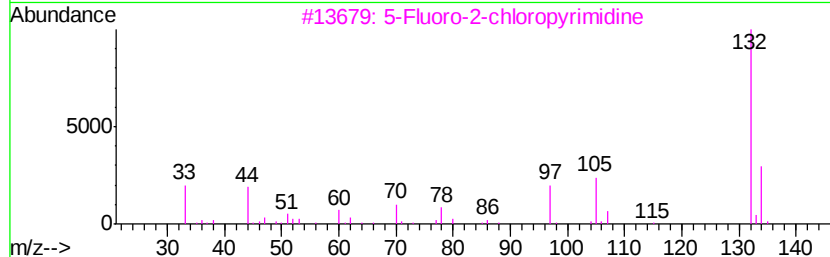
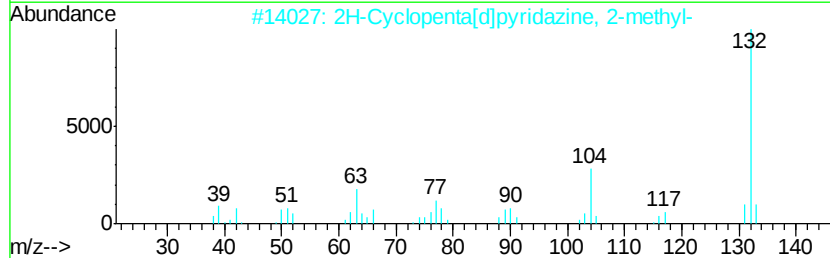
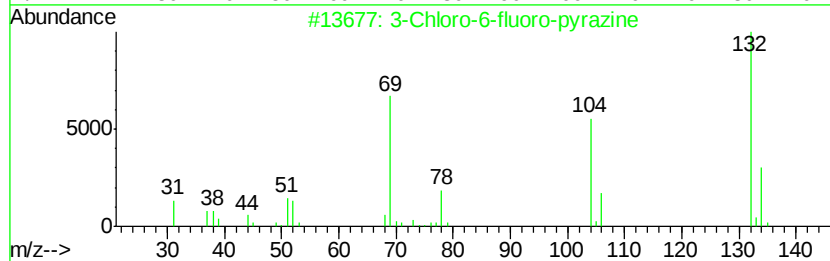
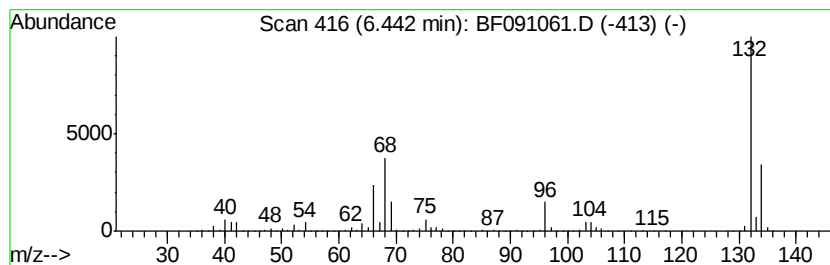
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.44 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	81.49 ng	4280830	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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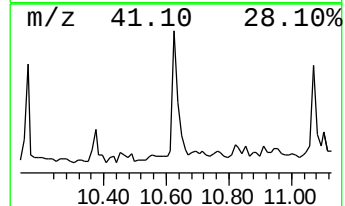
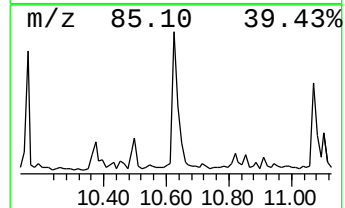
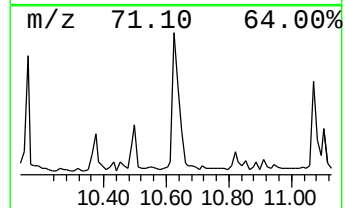
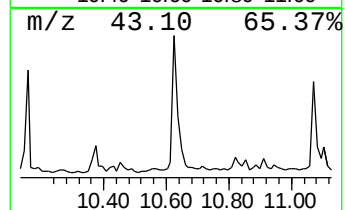
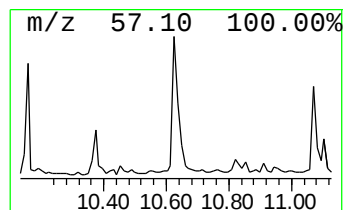
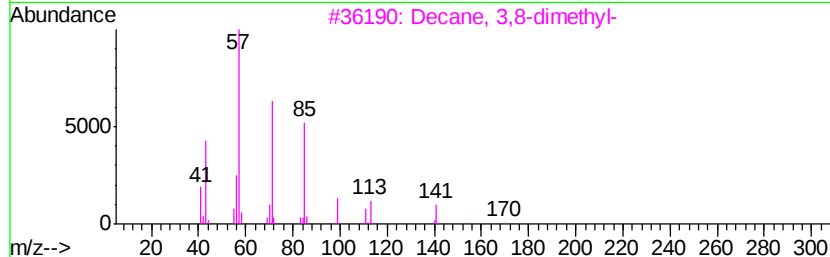
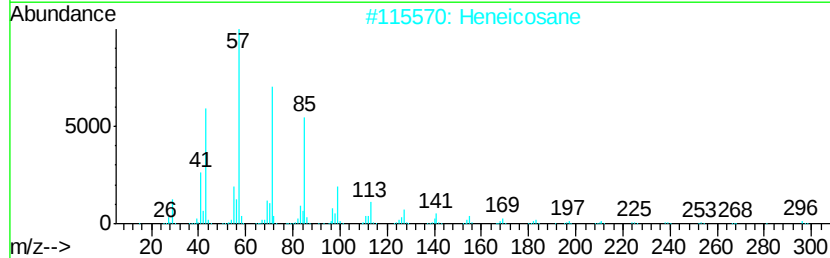
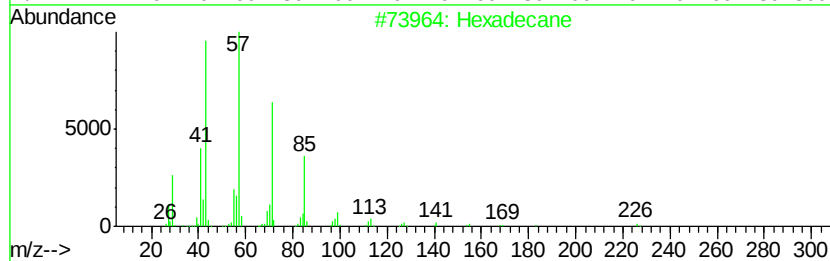
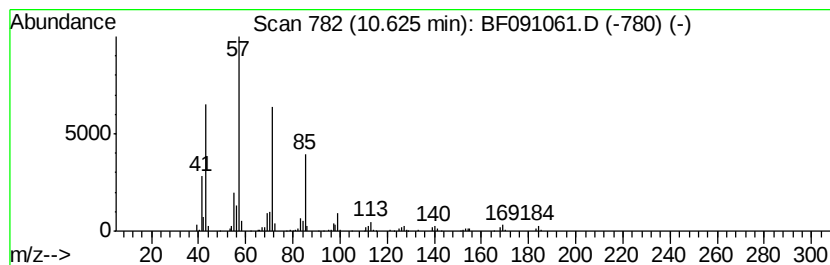
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.63	2.79 ng	319500	Phenanthrene-d10		11.19
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
4	Nonadecane	268	C19H40	000629-92-5	86
5	Eicosane	282	C20H42	000112-95-8	83



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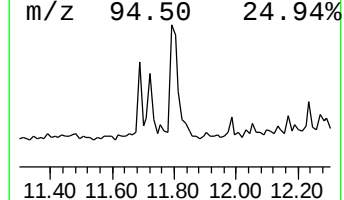
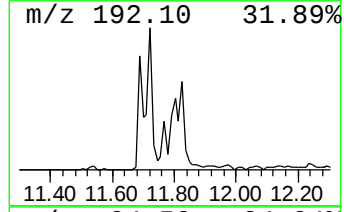
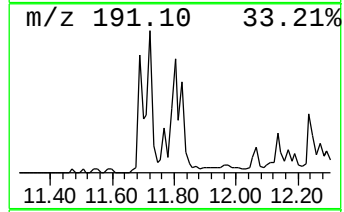
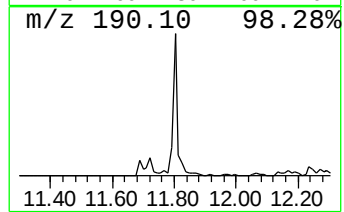
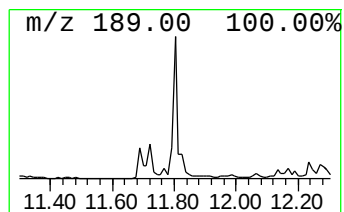
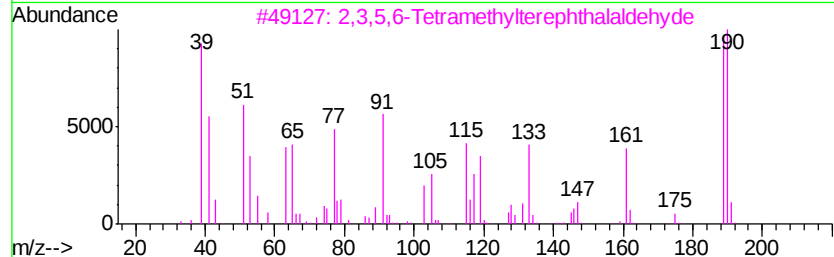
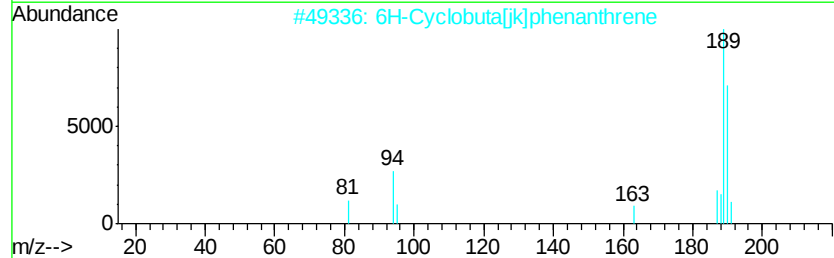
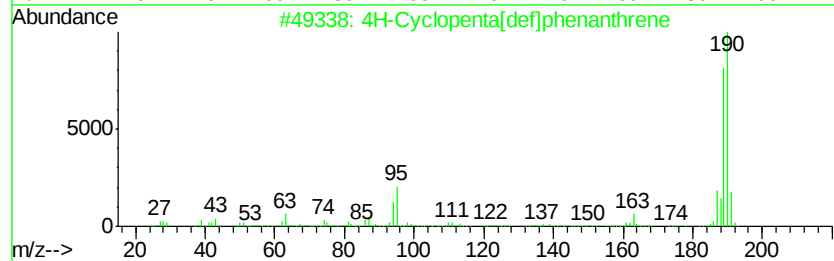
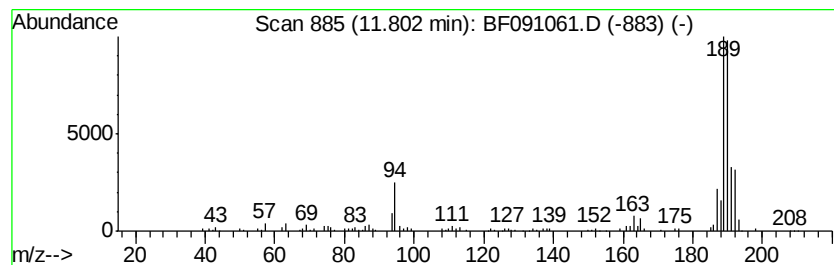
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	2.03 ng	233428	Phenanthrene-d10	11.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	64
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5		1-Methyl-2-phenylpiperidin-4-one	189	C12H15NO	091640-05-0	16



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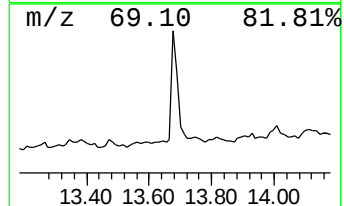
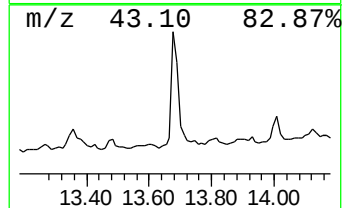
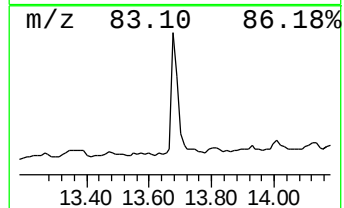
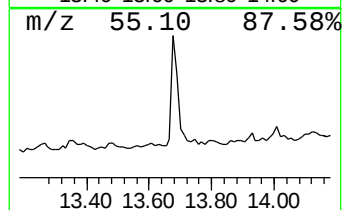
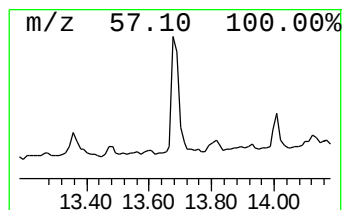
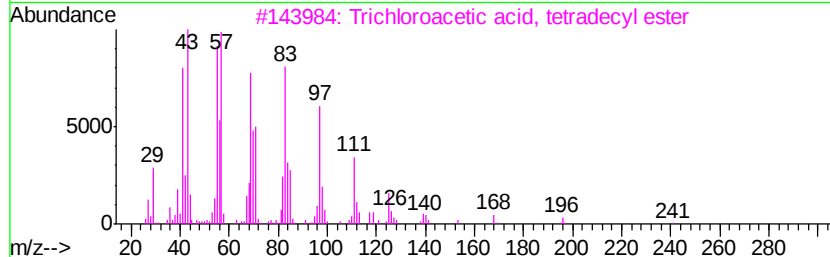
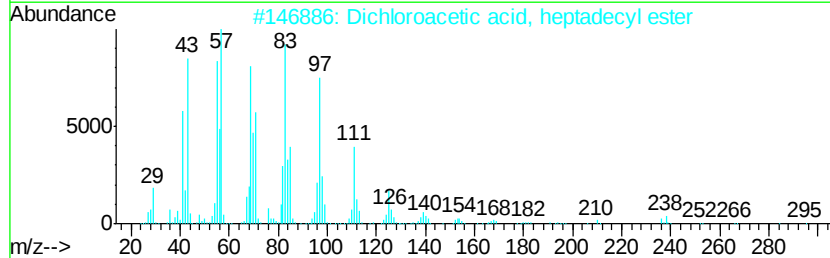
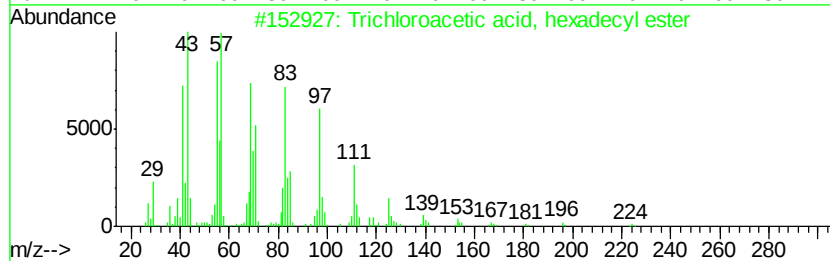
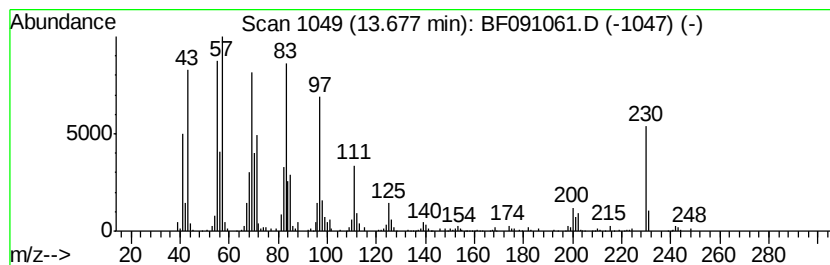
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Trichloroacetic acid, hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	3.61 ng	385821	Chrysene-d12	13.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
2			Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	90
3			Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	90
4			1-Nonadecene	266	C19H38	018435-45-5	87
5			11-Tricosene	322	C23H46	052078-56-5	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
Data File : BF091061.D
Acq On : 7 Nov 2016 17:38
Operator : UM/SJ
Sample : H5539-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

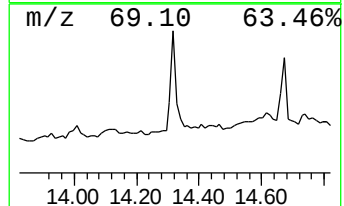
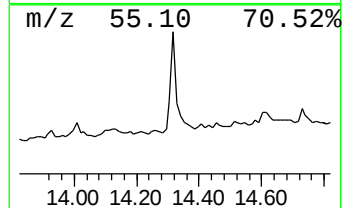
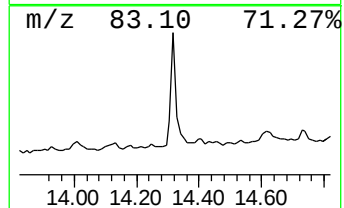
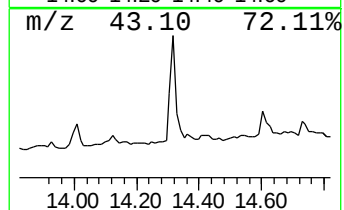
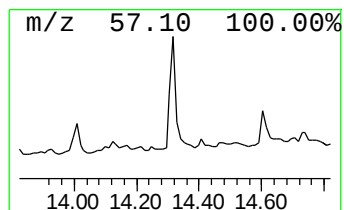
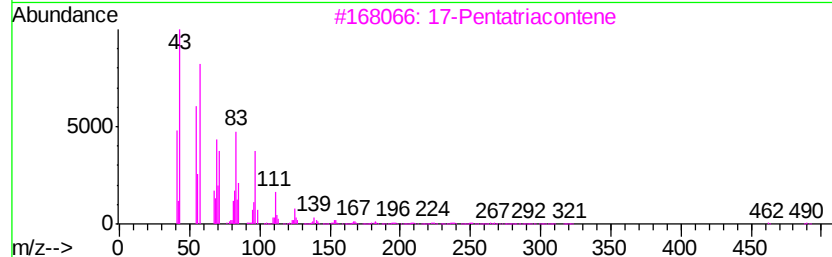
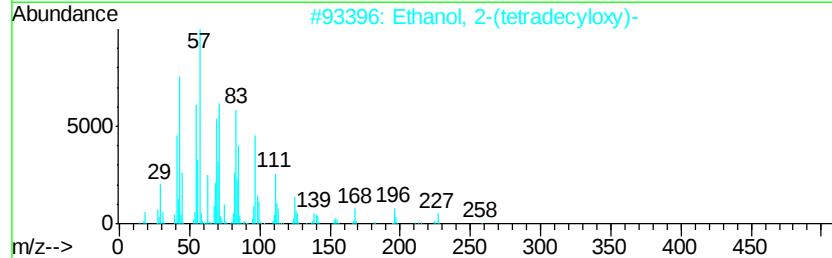
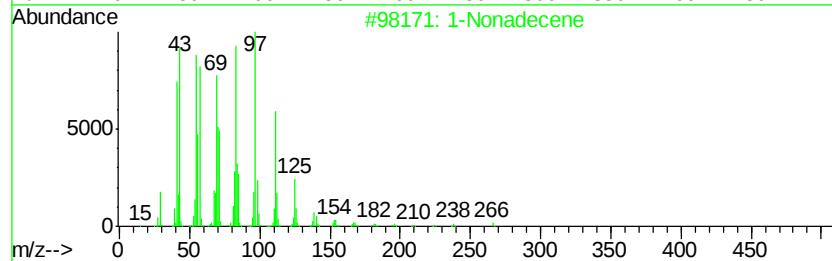
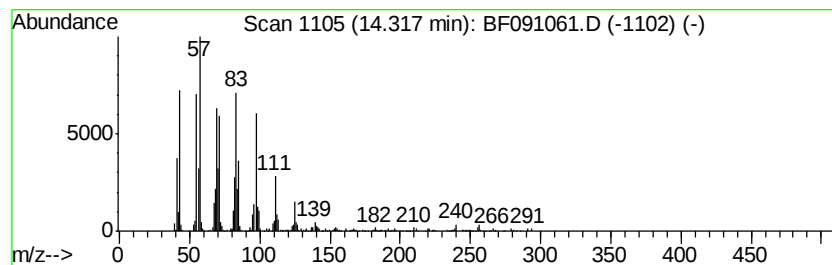
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Nonadecene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.32	4.48 ng	478551	Chrysene-d12	13.83		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene		266	C19H38	018435-45-5	95
2	Ethanol, 2-(tetradecyloxy)-		258	C16H34O2	002136-70-1	91
3	17-Pentatriacontene		491	C35H70	006971-40-0	87
4	Heptafluorobutanoic acid, heptadecyl ester		452	C21H35F7O2	1000282-97-3	87
5	1-Docosene		308	C22H44	001599-67-3	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
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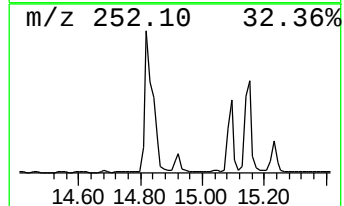
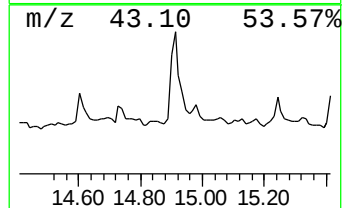
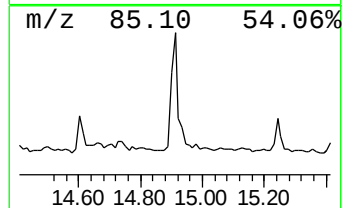
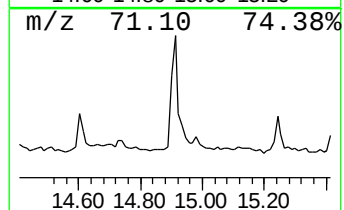
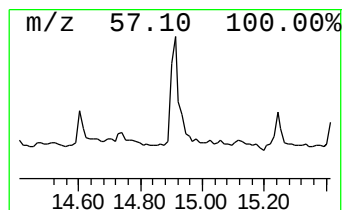
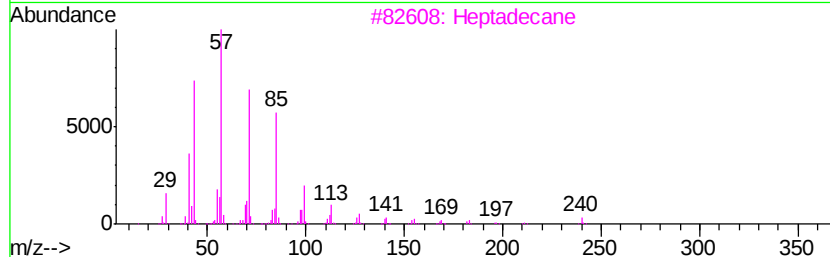
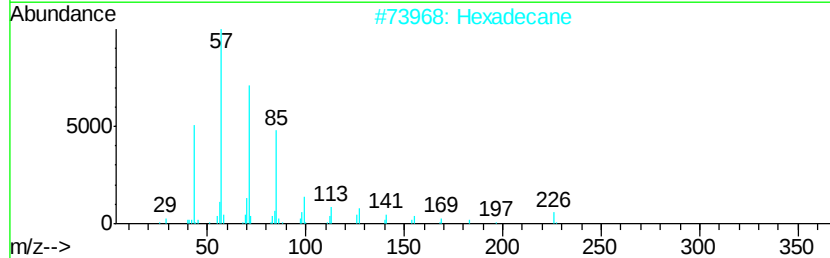
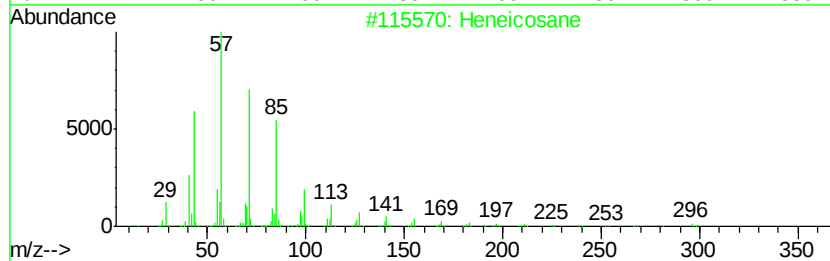
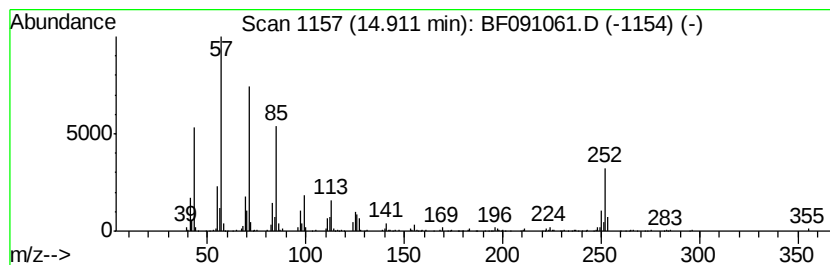
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Heneicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	6.11 ng	337137	Perylene-d12	15.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	95
2		Hexadecane	226	C16H34	000544-76-3	89
3		Heptadecane	240	C17H36	000629-78-7	74
4		Pentacosane	352	C25H52	000629-99-2	74
5		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
Data File : BF091061.D
Acq On : 7 Nov 2016 17:38
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Misc :
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Instrument :
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ClientSampleId :
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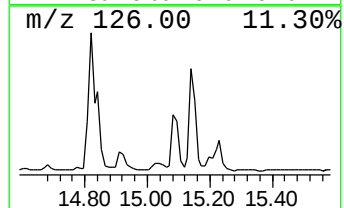
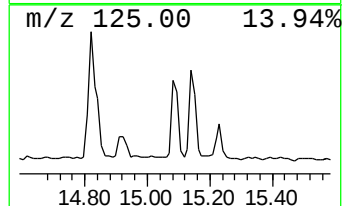
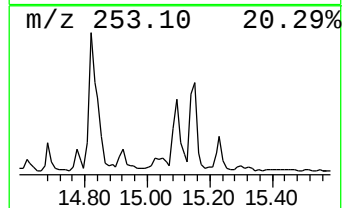
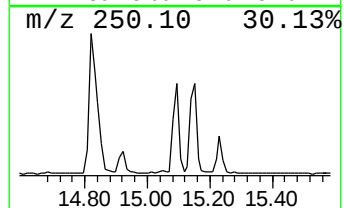
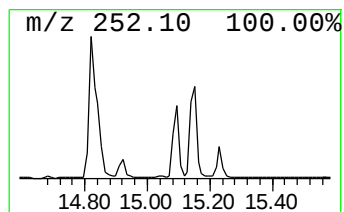
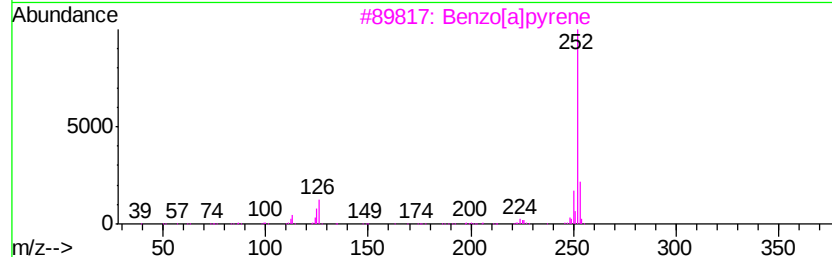
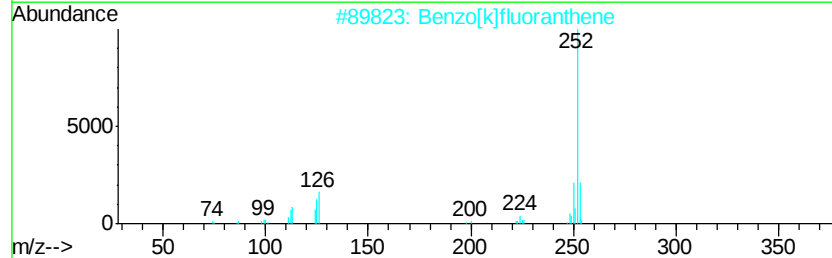
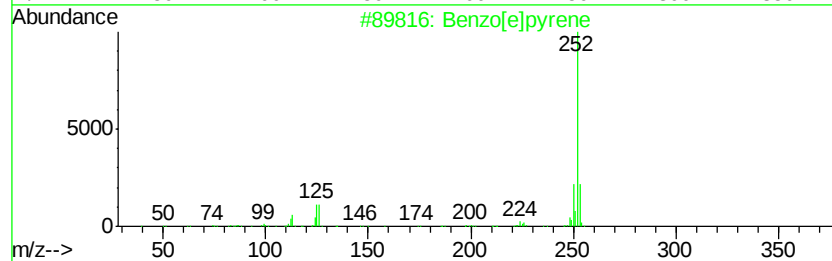
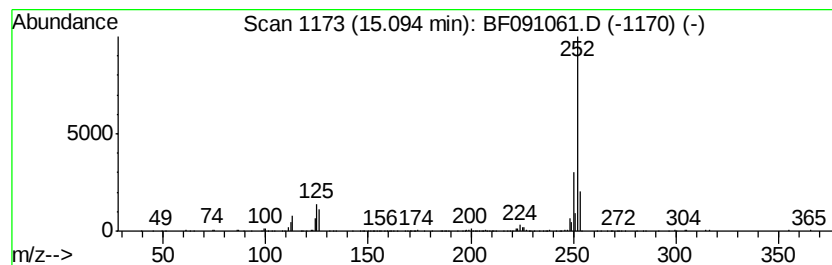
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	4.36 ng	240516	Perylene-d12	15.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	97
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	90
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
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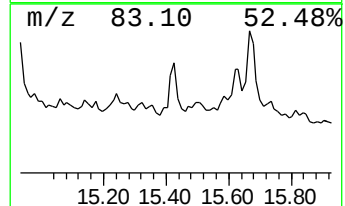
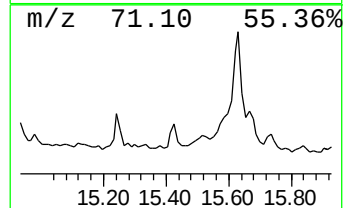
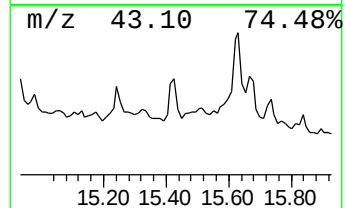
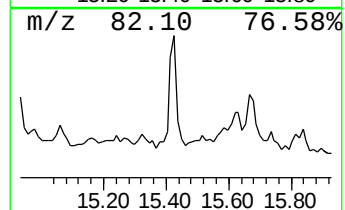
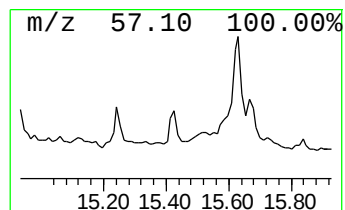
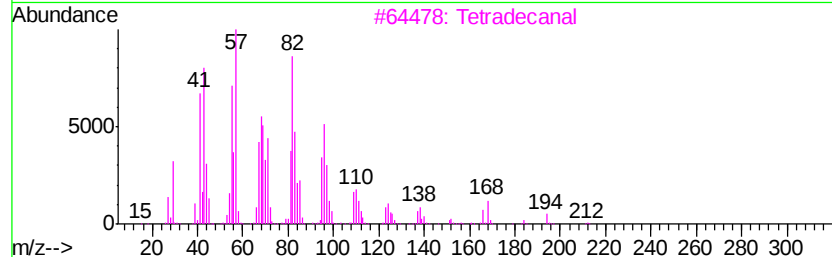
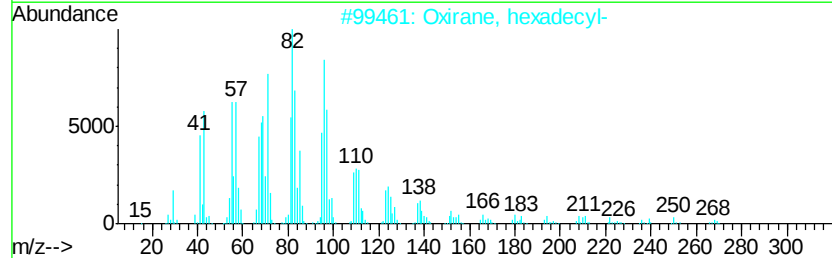
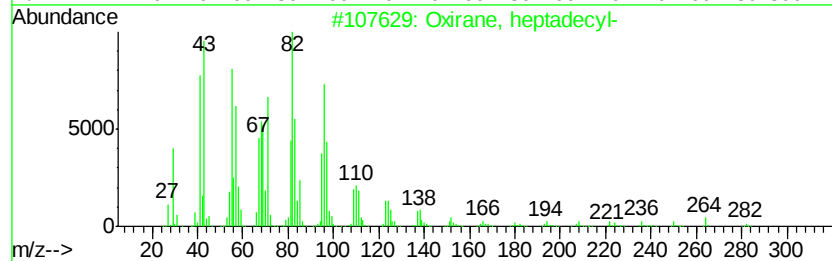
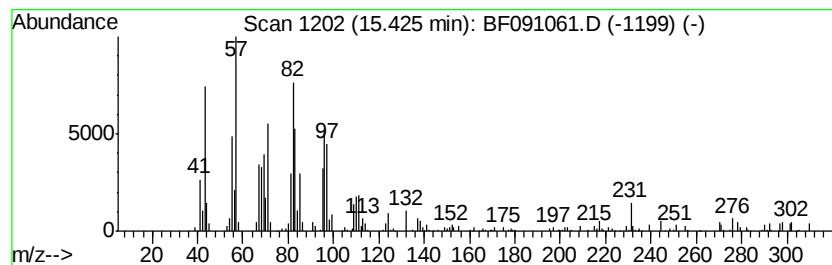
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Oxirane, heptadecyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	2.20 ng	121465	Perylene-d12	15.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	94
2		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
3		Tetradecanal	212	C14H28O	000124-25-4	89
4		Octadecanal	268	C18H36O	000638-66-4	58
5		Octanenitrile	125	C8H15N	000124-12-9	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
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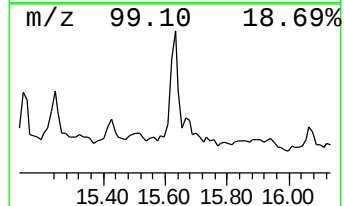
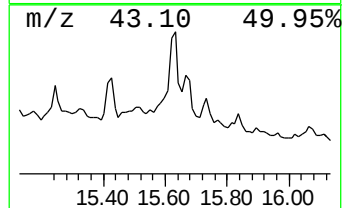
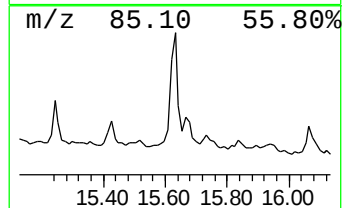
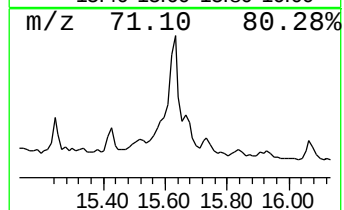
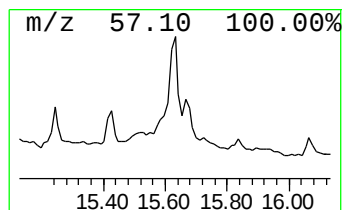
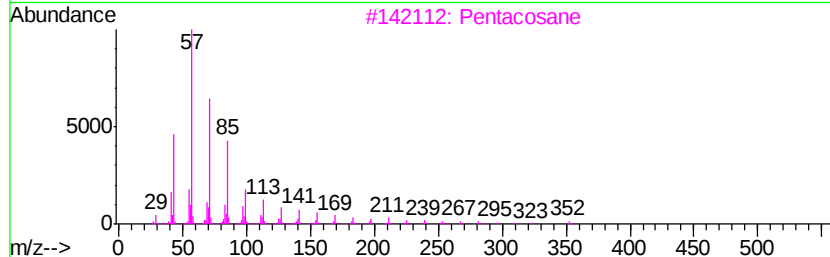
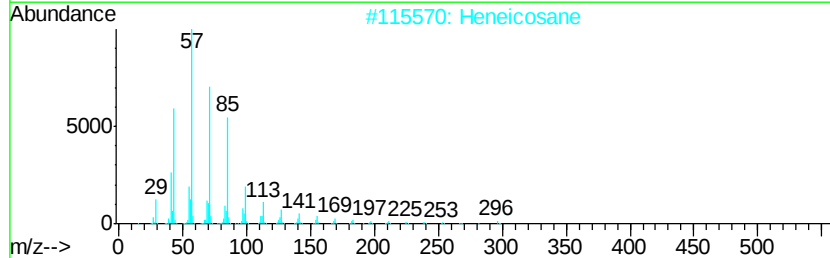
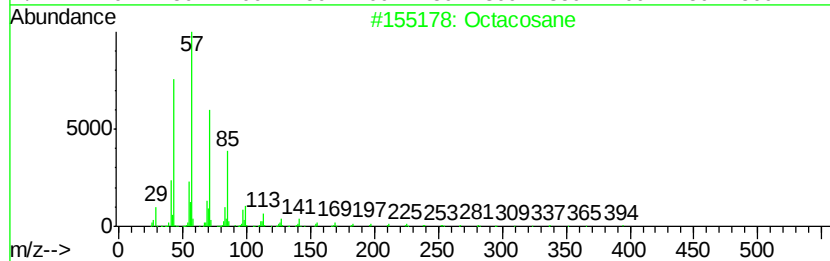
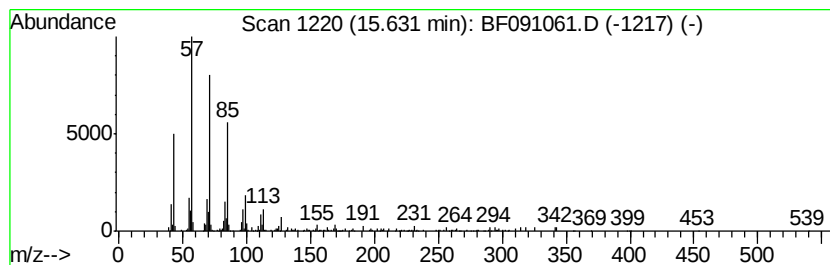
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	2.83 ng	155882	Perylene-d12	15.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		Pentacosane	352	C25H52	000629-99-2	90
4		Heptacosane	380	C27H56	000593-49-7	90
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
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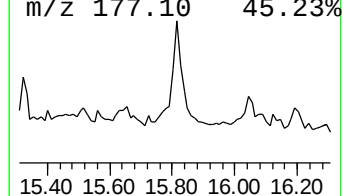
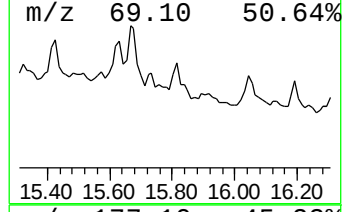
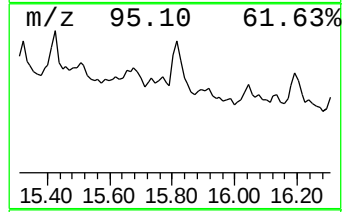
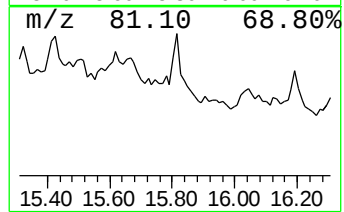
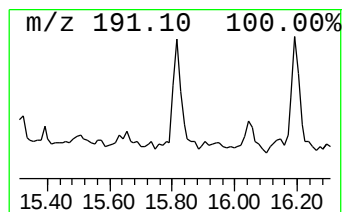
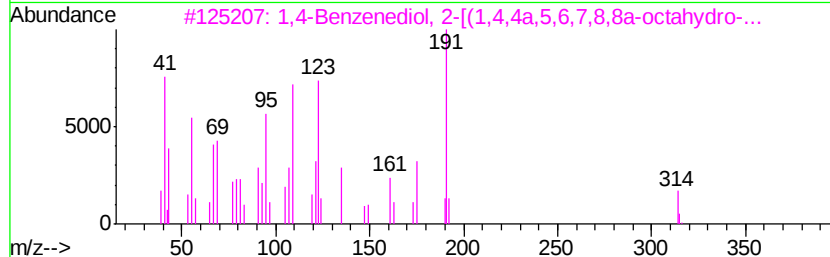
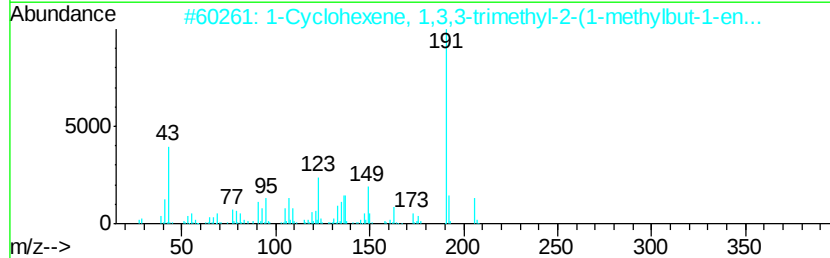
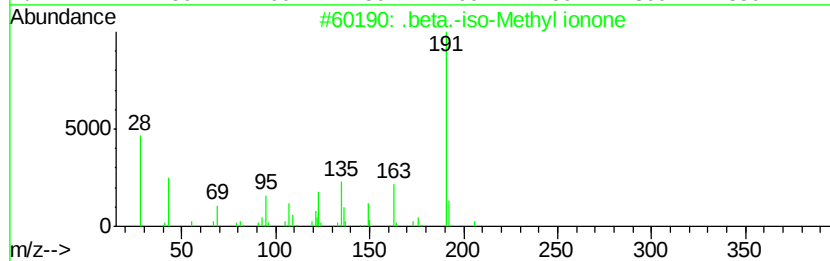
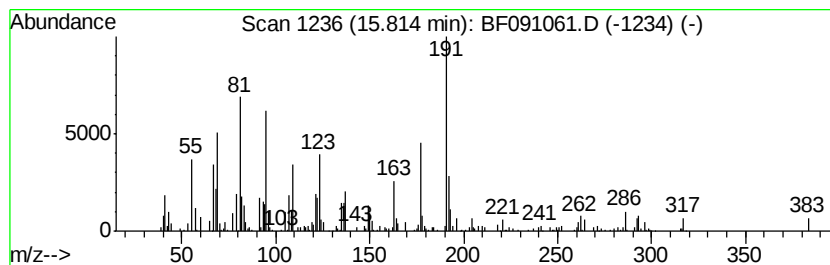
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 .beta.-iso-Methyl ionone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	3.08 ng	169720	Perylene-d12	15.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	50
2		1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	25
3		1,4-Benzenediol, 2-[(1,4,4a,5,6,...	314	C21H30O2	039707-55-6	25
4		Vinyltris(cyclopropyl)silane	178	C11H18Si	1000109-97-3	22
5		2-(Fench-2-yl)fenchane	274	C20H34	1000105-83-1	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
Data File : BF091061.D
Acq On : 7 Nov 2016 17:38
Operator : UM/SJ
Sample : H5539-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V001-BF017-01

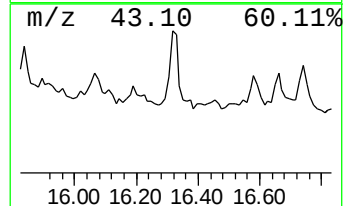
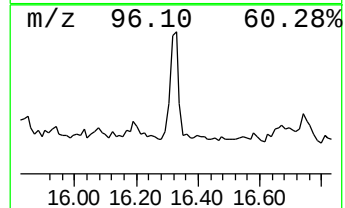
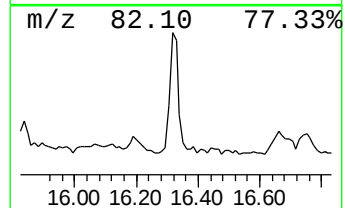
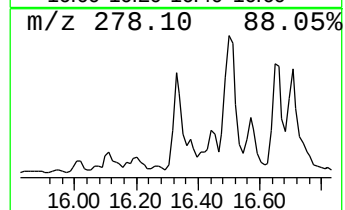
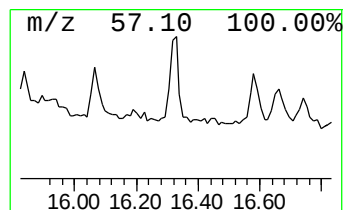
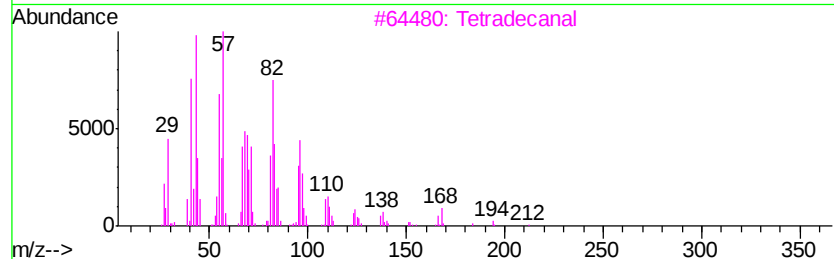
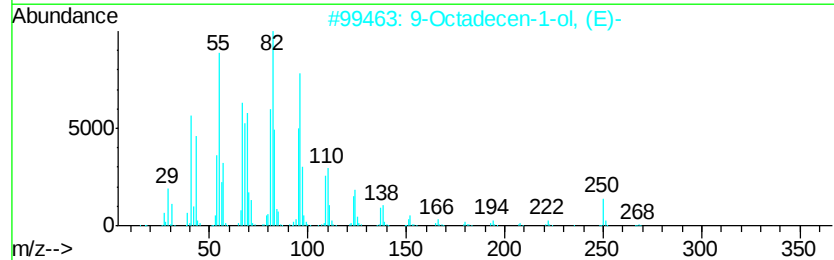
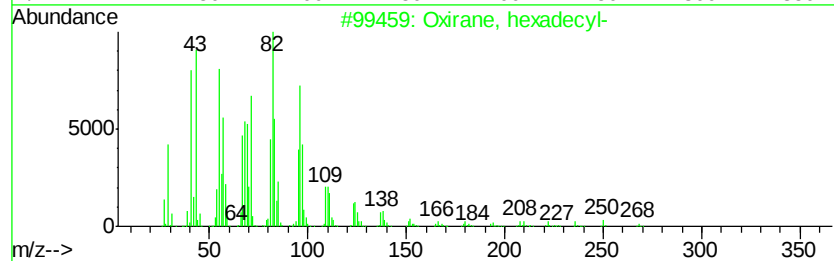
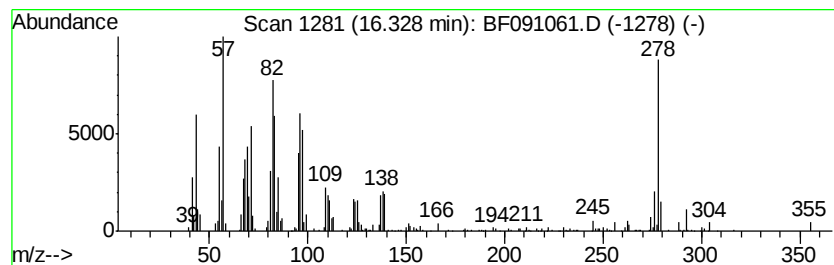
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Oxirane, hexadecyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	4.05 ng	223123	Perylene-d12	15.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	89
2		9-Octadecen-1-ol, (E)-	268	C18H36O	000506-42-3	55
3		Tetradecanal	212	C14H28O	000124-25-4	50
4		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	49
5		Octadecanal	268	C18H36O	000638-66-4	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110716\
Data File : BF091061.D
Acq On : 7 Nov 2016 17:38
Operator : UM/SJ
Sample : H5539-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V001-BF017-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.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...	4.81	16.5	ng	865393	1	6.67	1050670	20.0
unknown6.44	6.44	81.5	ng	4280830	1	6.67	1050670	20.0
Hexadecane	10.63	2.8	ng	319500	4	11.19	2294220	20.0
4H-Cyclopenta[def...	11.80	2.0	ng	233428	4	11.19	2294220	20.0
Trichloroacetic a...	13.68	3.6	ng	385821	5	13.83	2135890	20.0
1-Nonadecene	14.32	4.5	ng	478551	5	13.83	2135890	20.0
Heneicosane	14.91	6.1	ng	337137	6	15.21	1102810	20.0
Benzo[e]pyrene	15.09	4.4	ng	240516	6	15.21	1102810	20.0
Oxirane, heptadecyl-	15.43	2.2	ng	121465	6	15.21	1102810	20.0
Octacosane	15.63	2.8	ng	155882	6	15.21	1102810	20.0
.beta.-iso-Methyl...	15.81	3.1	ng	169720	6	15.21	1102810	20.0
Oxirane, hexadecyl-	16.33	4.0	ng	223123	6	15.21	1102810	20.0