

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091035.D
 Acq On : 4 Nov 2016 22:02
 Operator : UM/SJ
 Sample : H5526-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-98-0.5-1.0

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	1.778	6	8	35	rVV	1826446	4908176	86.48%	6.266%
2	2.121	35	38	47	rVB	110112	231644	4.08%	0.296%
3	4.864	275	278	290	rBV	676017	1290043	22.73%	1.647%
4	5.299	314	316	319	rBV	3418358	4670253	82.29%	5.962%
5	5.961	371	374	376	rBV	105061	91045	1.60%	0.116%
6	6.362	405	409	411	rBV	4310187	5675648	100.00%	7.245%
7	6.476	416	419	421	rBV	5001360	5418525	95.47%	6.917%
8	6.704	436	439	441	rBV	1100842	1188323	20.94%	1.517%
9	6.864	450	453	455	rBV	3155319	4400908	77.54%	5.618%
10	7.276	486	489	491	rBV	3294057	3619622	63.77%	4.621%
11	7.402	497	500	505	rVB	142362	207121	3.65%	0.264%
12	7.527	508	511	516	rVB2	75712	102948	1.81%	0.131%
13	7.745	527	530	539	rVB2	36434	81998	1.44%	0.105%
14	7.985	549	551	561	rBV	1321044	1508064	26.57%	1.925%
15	8.796	616	622	628	rVB3	22983	58039	1.02%	0.074%
16	9.070	643	646	648	rBV	5621836	5334687	93.99%	6.810%
17	9.470	678	681	683	rBV	1331431	1222118	21.53%	1.560%
18	9.596	690	692	696	rVB	68171	76595	1.35%	0.098%
19	9.688	696	700	702	rBV2	39195	69439	1.22%	0.089%
20	9.745	702	705	706	rBV	1399092	1583764	27.90%	2.022%
21	9.768	706	707	710	rVB	136358	137583	2.42%	0.176%
22	9.950	721	723	725	rBV	92926	128841	2.27%	0.164%
23	10.156	737	741	742	rBV	42177	57862	1.02%	0.074%
24	10.179	742	743	745	rVB	86062	96198	1.69%	0.123%
25	10.282	751	752	756	rVB	80996	95284	1.68%	0.122%
26	10.396	759	762	765	rBV2	42761	82813	1.46%	0.106%
27	10.442	765	766	769	rVB2	48552	57173	1.01%	0.073%
28	10.533	771	774	776	rBV	3261836	3330900	58.69%	4.252%
29	10.659	783	785	789	rVB	128716	198929	3.50%	0.254%
30	10.842	794	801	806	rBV5	40136	127888	2.25%	0.163%
31	10.979	808	813	816	rBV4	32617	89088	1.57%	0.114%
32	11.025	816	817	820	rVB	86916	114415	2.02%	0.146%
33	11.105	822	824	830	rVB2	118882	236056	4.16%	0.301%
34	11.242	832	836	838	rBV2	1623751	2776503	48.92%	3.544%

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35	11.299	838	841	843	rVB	234608	303239	5.34%	0.387%
36	11.459	852	855	859	rBV	130545	213844	3.77%	0.273%
37	11.528	859	861	862	rVV2	65665	83394	1.47%	0.106%
38	11.722	876	878	879	rBV	164808	153632	2.71%	0.196%
39	11.745	879	880	883	rVV	146373	222368	3.92%	0.284%
40	11.791	883	884	886	rVV	72102	95428	1.68%	0.122%
41	11.836	886	888	893	rVB	171489	344841	6.08%	0.440%
42	11.939	893	897	900	rBV2	29827	99674	1.76%	0.127%
43	12.019	901	904	905	rBV	181696	178030	3.14%	0.227%
44	12.042	905	906	909	rVB	158107	152706	2.69%	0.195%
45	12.145	913	915	918	rBV2	81571	158657	2.80%	0.203%
46	12.271	924	926	928	rBV	134234	165764	2.92%	0.212%
47	12.351	932	933	936	rVV	166088	228357	4.02%	0.292%
48	12.431	938	940	943	rBV	3037897	2695863	47.50%	3.441%
49	12.476	943	944	947	rVV3	41426	78592	1.38%	0.100%
50	12.579	950	953	955	rBV2	95024	151558	2.67%	0.193%
51	12.659	957	960	962	rBV	2610499	2778458	48.95%	3.547%
52	12.694	962	963	968	rVB3	142699	275407	4.85%	0.352%
53	12.774	968	970	971	rBV	105545	144133	2.54%	0.184%
54	12.808	971	973	976	rVB	4221360	3938861	69.40%	5.028%
55	12.876	976	979	981	rBV2	132552	209461	3.69%	0.267%
56	12.991	985	989	990	rVB2	133175	307056	5.41%	0.392%
57	13.048	993	994	996	rBV2	95187	124379	2.19%	0.159%
58	13.094	996	998	1002	rVB2	172163	264754	4.66%	0.338%
59	13.185	1004	1006	1007	rBV	97396	116144	2.05%	0.148%
60	13.208	1007	1008	1010	rBV2	101526	125717	2.22%	0.160%
61	13.494	1031	1033	1035	rVB	336898	300404	5.29%	0.383%
62	13.608	1040	1043	1044	rBV	234602	429181	7.56%	0.548%
63	13.711	1050	1052	1054	rBV2	331238	466364	8.22%	0.595%
64	13.848	1060	1064	1069	rBV2	1790664	4378623	77.15%	5.590%
65	13.962	1070	1074	1075	rVB2	99887	157525	2.78%	0.201%
66	13.997	1075	1077	1079	rBV	94105	161420	2.84%	0.206%
67	14.202	1093	1095	1096	rBV	66714	73372	1.29%	0.094%
68	14.237	1096	1098	1100	rVV	159264	242528	4.27%	0.310%
69	14.271	1100	1101	1105	rVV2	91794	170392	3.00%	0.218%
70	14.339	1105	1107	1108	rVV2	59257	81377	1.43%	0.104%
71	14.362	1108	1109	1113	rVB2	99722	148130	2.61%	0.189%

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72	14.545	1123	1125	1126	rBV2	84642	78308	1.38%	0.100%
73	14.705	1136	1139	1143	rVB3	130799	250617	4.42%	0.320%
74	14.865	1150	1153	1157	rBV	1394600	2700085	47.57%	3.447%
75	14.957	1159	1161	1163	rVV	202018	207609	3.66%	0.265%
76	15.060	1166	1170	1171	rVV2	75507	174878	3.08%	0.223%
77	15.128	1174	1176	1179	rVV	699366	941755	16.59%	1.202%
78	15.185	1179	1181	1184	rVV	845914	1037927	18.29%	1.325%
79	15.242	1184	1186	1193	rVB2	835801	1426735	25.14%	1.821%
80	15.528	1209	1211	1213	rBV	51548	79314	1.40%	0.101%
81	16.557	1298	1301	1305	rVB	424027	723278	12.74%	0.923%
82	16.705	1312	1314	1316	rBV	61901	108915	1.92%	0.139%
83	16.763	1316	1319	1321	rVB2	69375	115278	2.03%	0.147%
84	16.945	1332	1335	1342	rVB	321887	660530	11.64%	0.843%
85	18.946	1506	1510	1515	rVB	90070	264452	4.66%	0.338%
86	19.106	1522	1524	1528	rBV	37237	77592	1.37%	0.099%

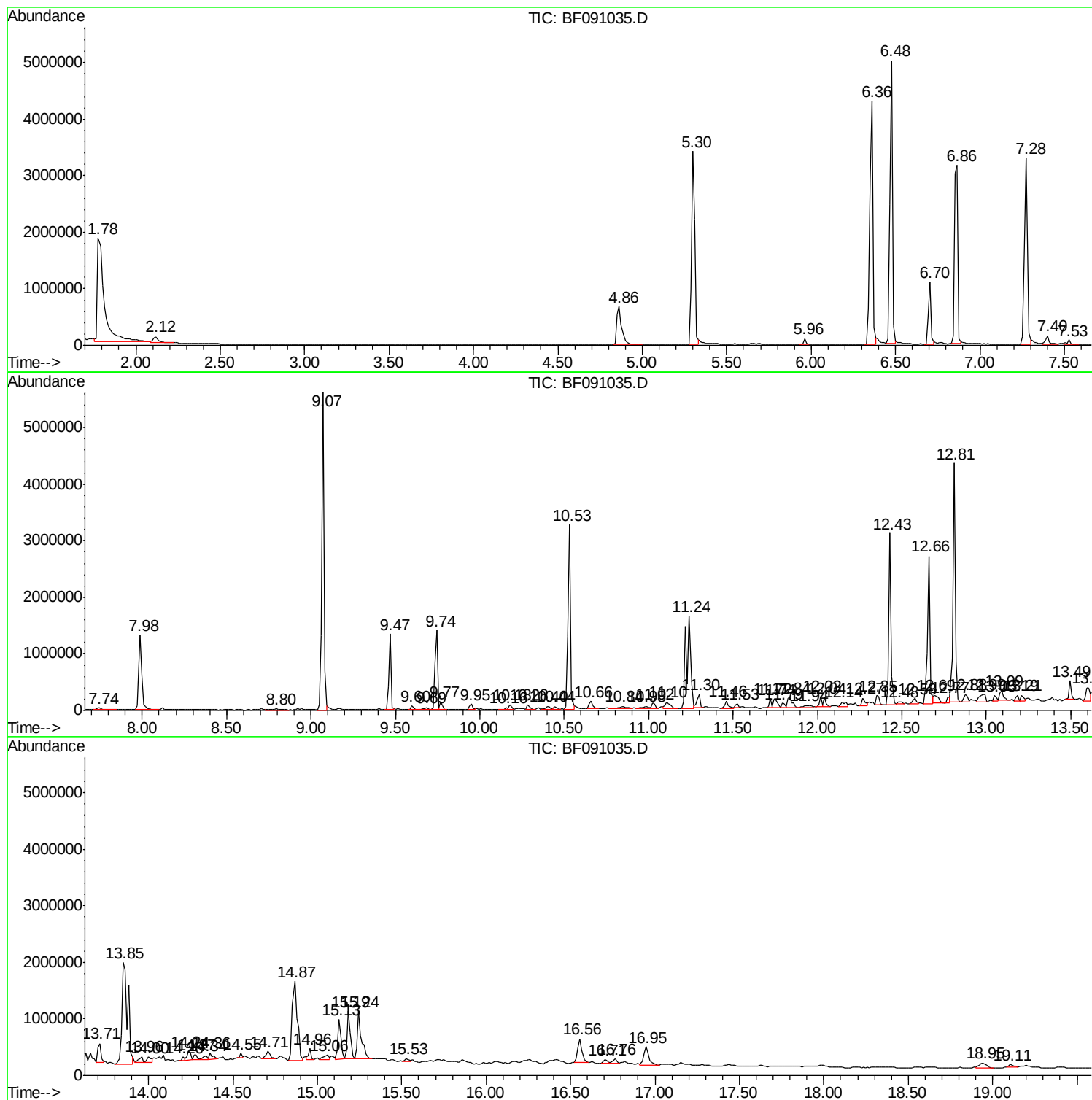
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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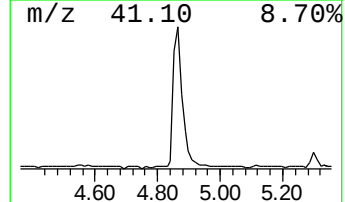
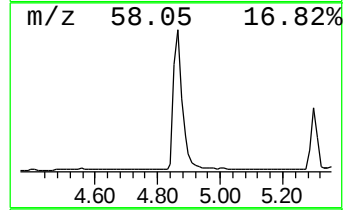
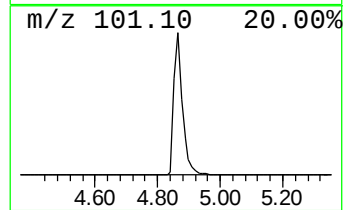
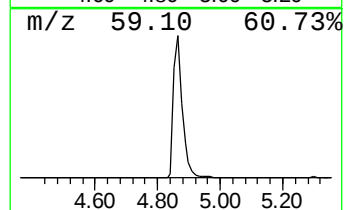
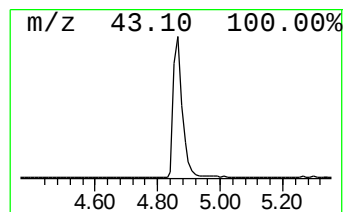
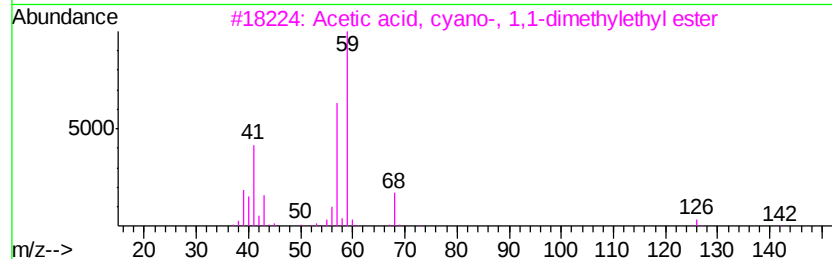
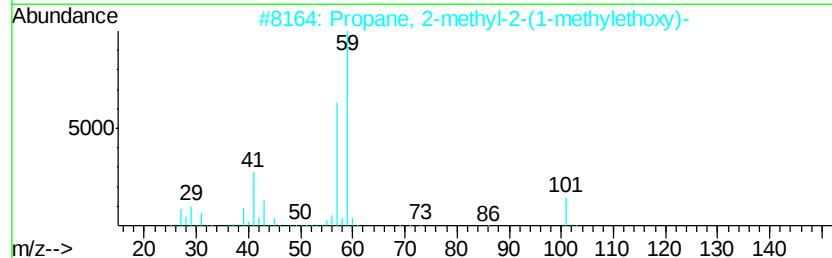
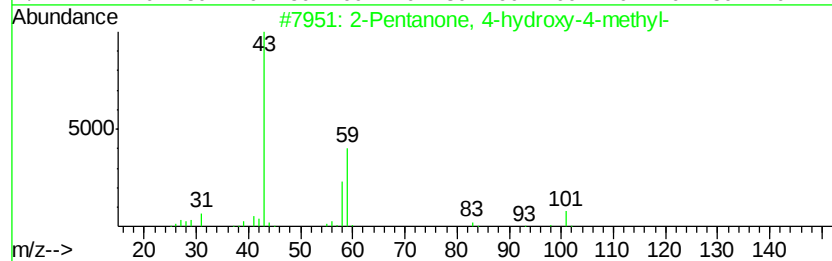
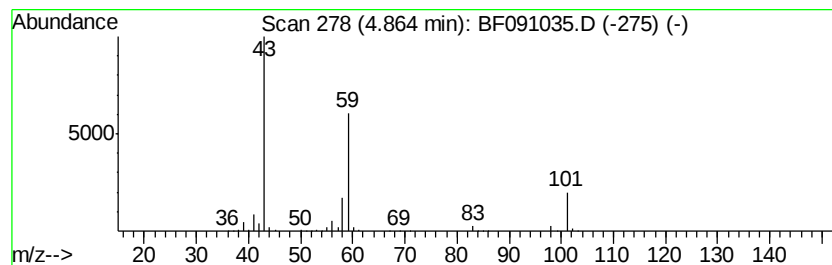
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	21.71 ng	1290040	1,4-Dichlorobenzene-d4	6.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4		Acetone	58	C3H6O	000067-64-1	9
5		5-Hexen-2-one	98	C6H10O	000109-49-9	9



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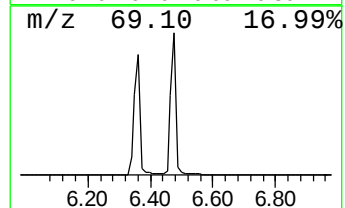
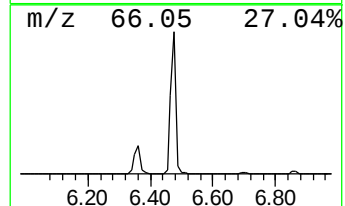
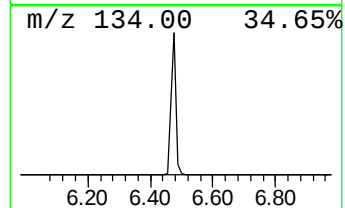
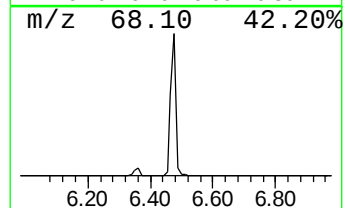
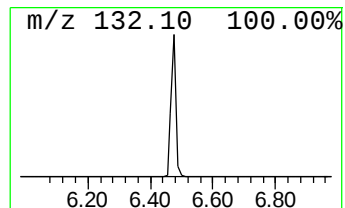
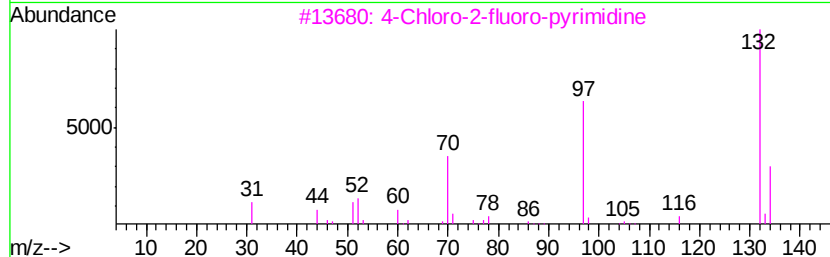
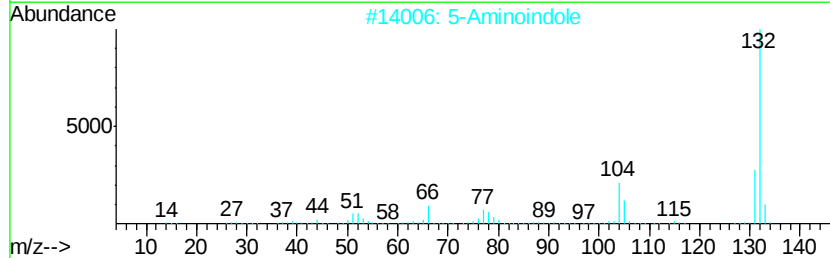
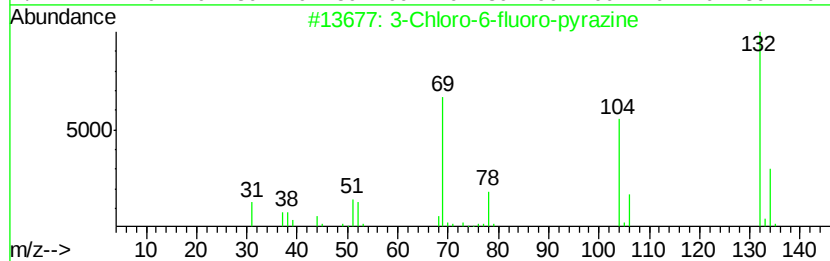
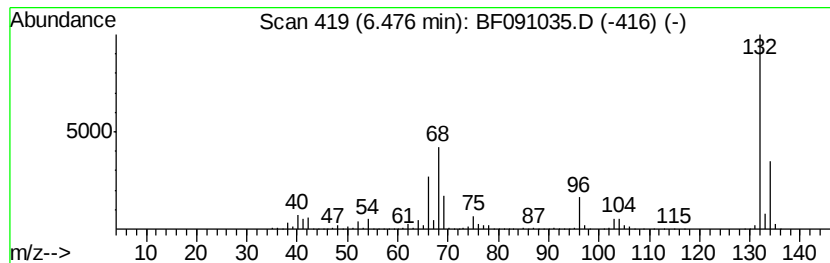
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	91.20 ng	5418530	1,4-Dichlorobenzene-d4	6.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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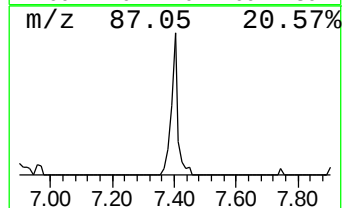
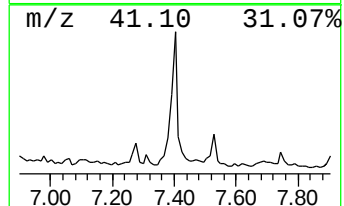
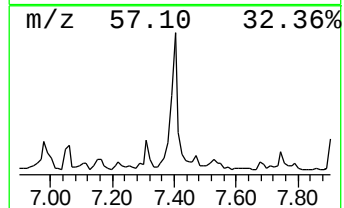
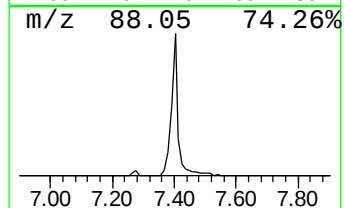
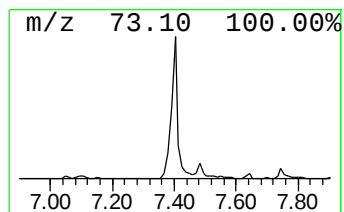
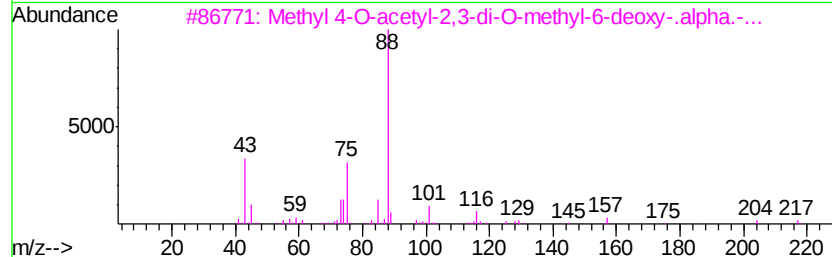
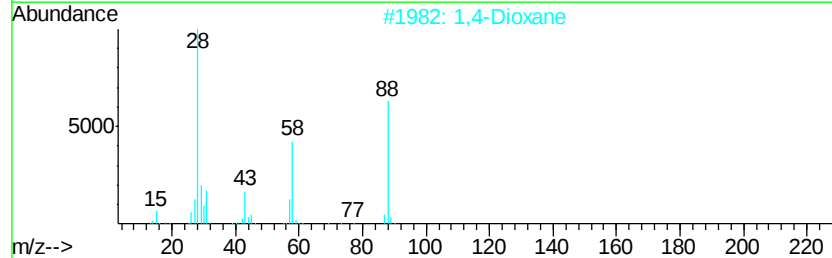
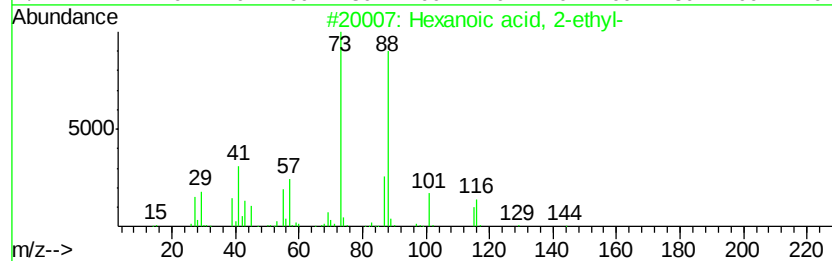
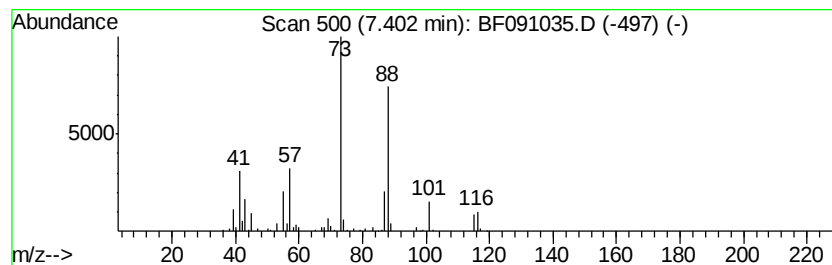
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Hexanoic acid, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	2.75 ng	207121	Naphthalene-d8	7.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2			1,4-Dioxane	88	C4H8O2	000123-91-1	38
3			Methyl 4-O-acetyl-2,3-di-O-methyl...	248	C11H20O6	072945-56-3	38
4			Methyl 2,3,4-tri-O-methyl-6-deox...	220	C10H20O5	072983-16-5	36
5			Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	28



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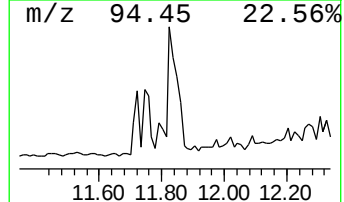
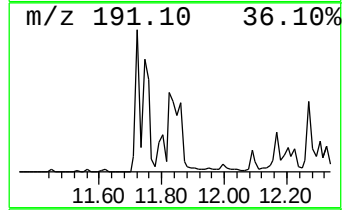
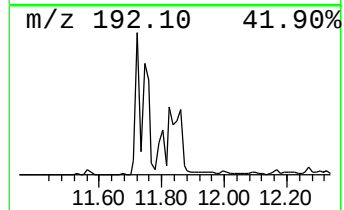
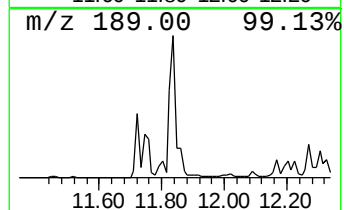
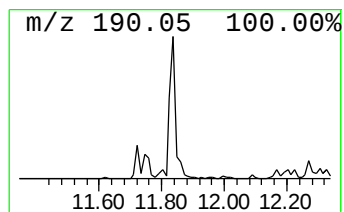
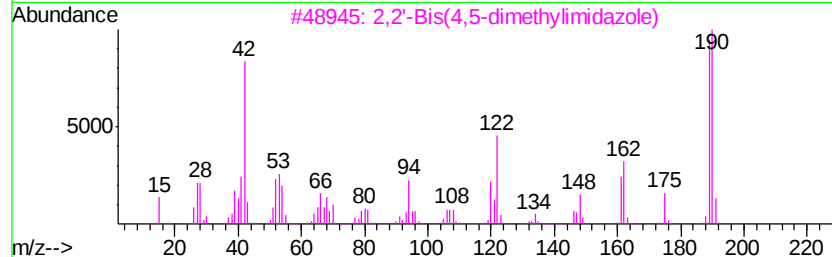
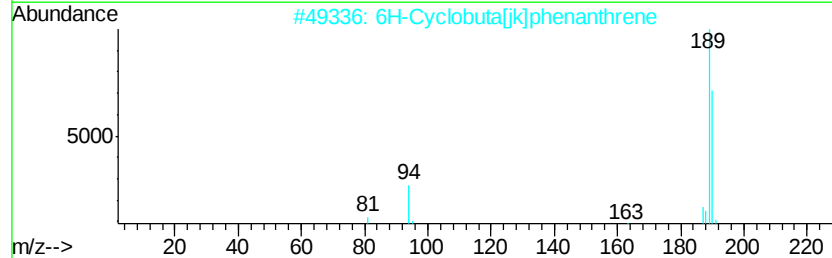
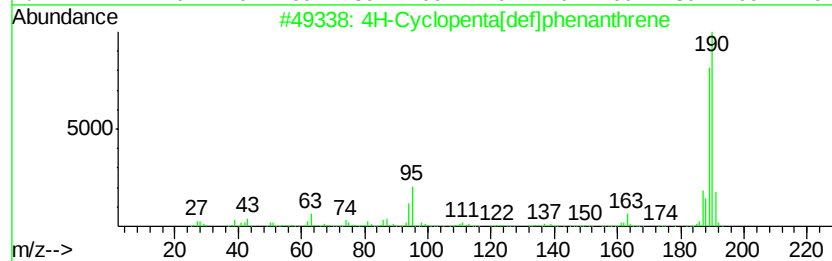
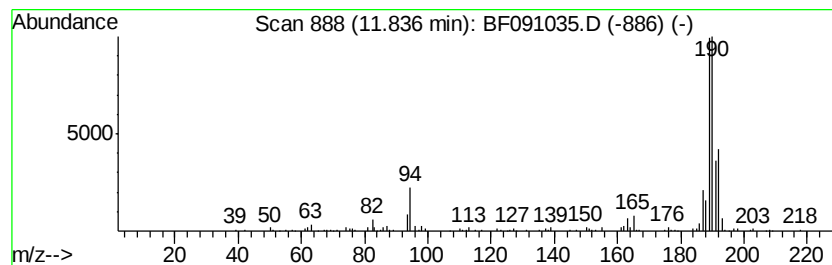
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.84	2.48 ng	344841	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	4,4'-Difluorobiphenyl	190	C12H8F2	000398-23-2	17
5	Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4O5	038362-25-3	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091035.D
Acq On : 4 Nov 2016 22:02
Operator : UM/SJ
Sample : H5526-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

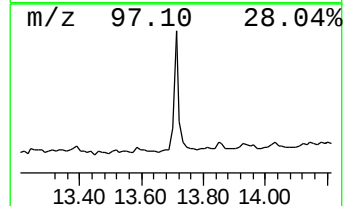
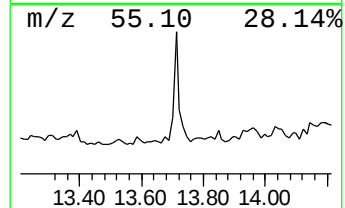
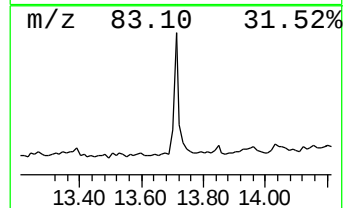
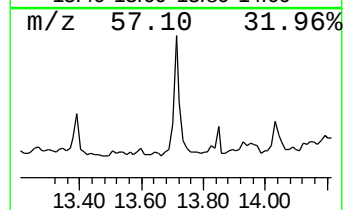
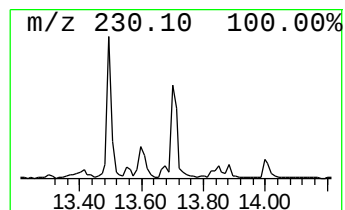
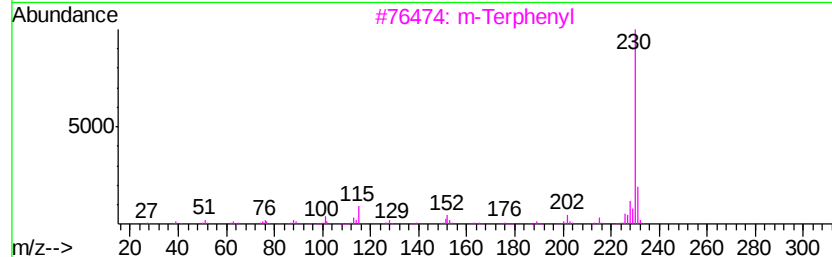
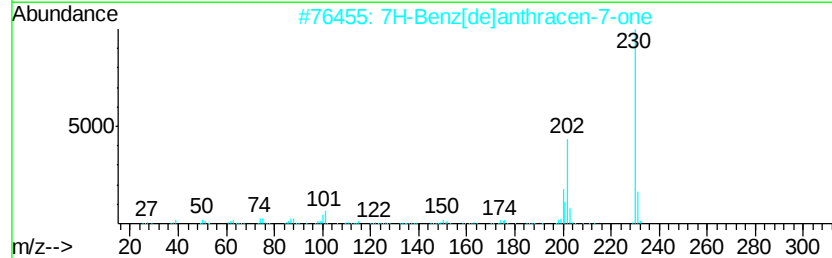
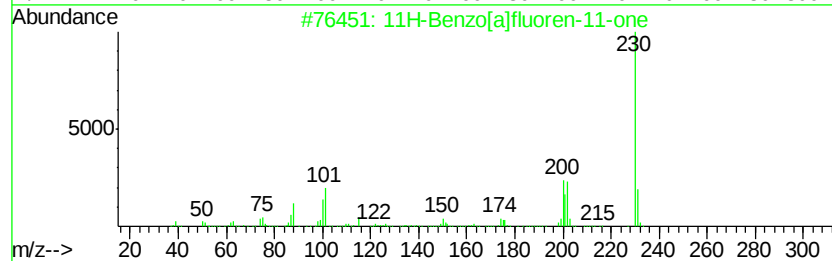
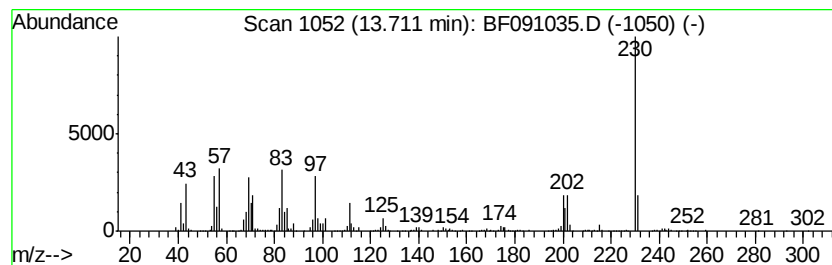
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.		
13.71	2.13 ng	466364	Chrysene-d12		13.86		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
3			m-Terphenyl	230	C18H14	000092-06-8	38
4			p-Terphenyl	230	C18H14	000092-94-4	38
5			1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091035.D
Acq On : 4 Nov 2016 22:02
Operator : UM/SJ
Sample : H5526-01
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Instrument :
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ClientSampleId :
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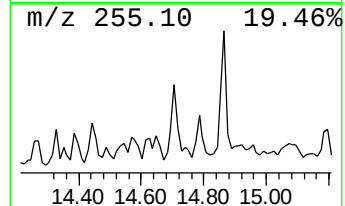
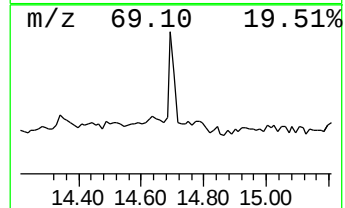
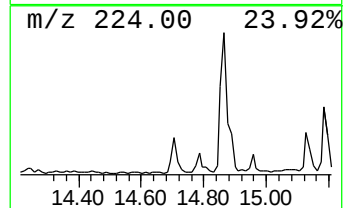
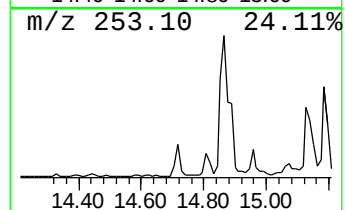
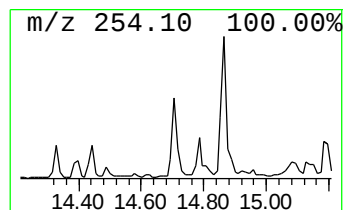
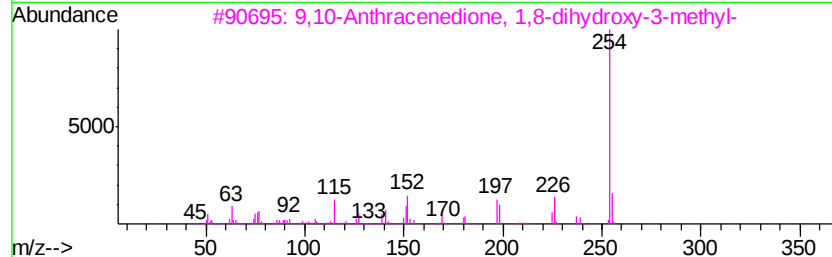
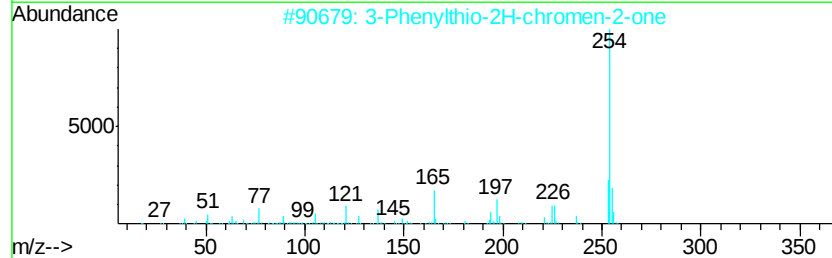
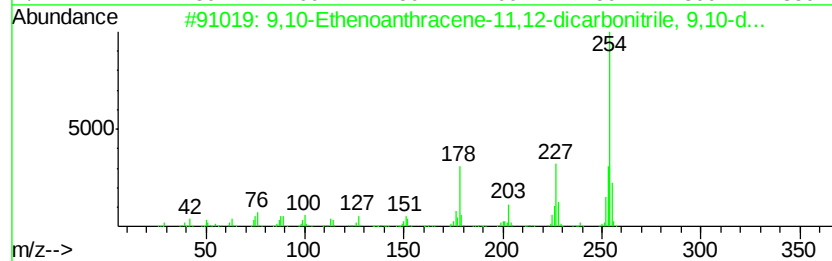
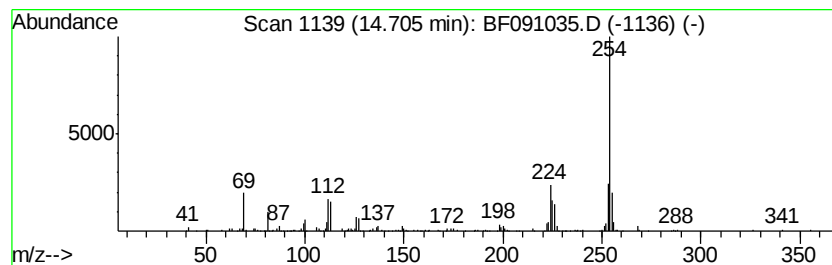
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Ethenoanthracene-11,12... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	3.51 ng	250617	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Ethenoanthracene-11,12-dica...	254	C18H10N2	019067-49-3	64
2		3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	64
3		9,10-Anthracenedione, 1,8-dihydr...	254	C15H10O4	000481-74-3	52
4		Chrysin	254	C15H10O4	000480-40-0	50
5		1-Propene, 1,2-bis(4-methoxyphen...	254	C17H18O2	020802-02-2	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091035.D
Acq On : 4 Nov 2016 22:02
Operator : UM/SJ
Sample : H5526-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

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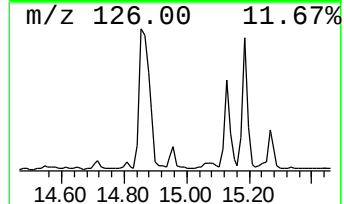
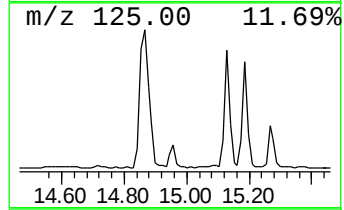
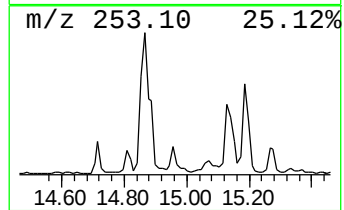
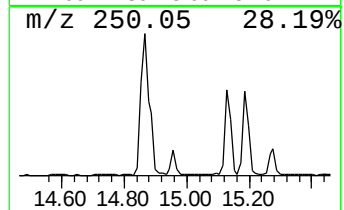
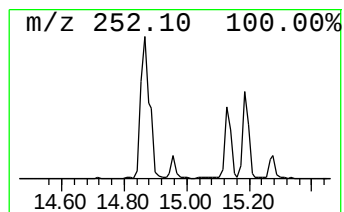
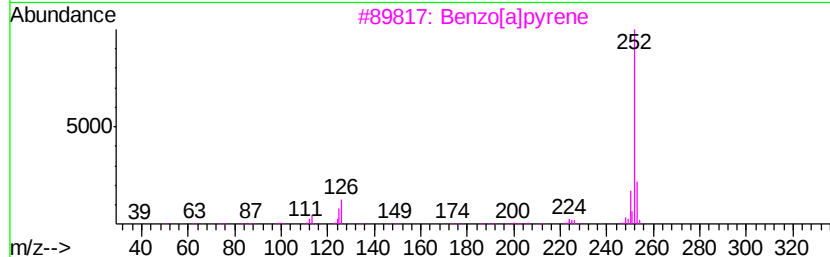
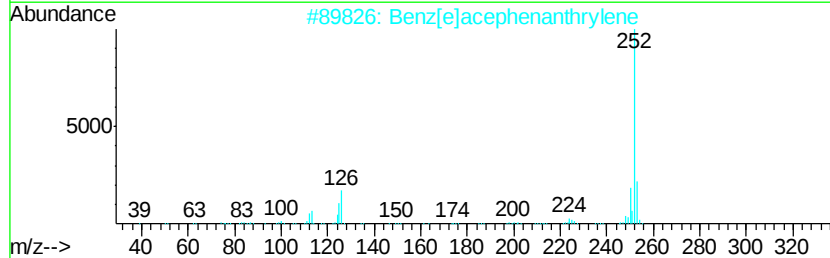
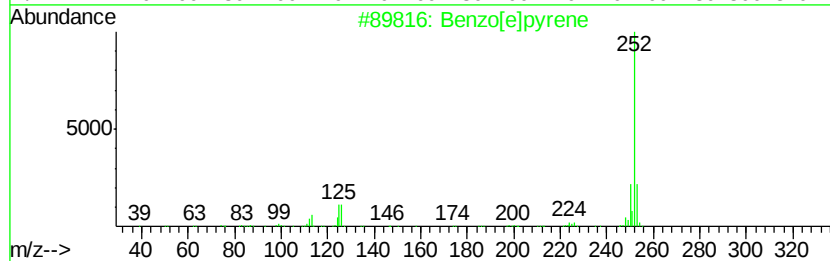
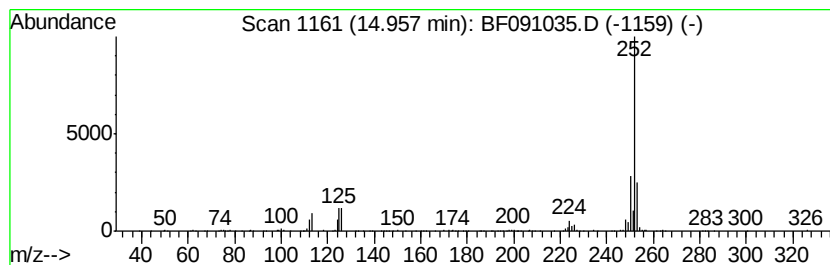
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	2.91 ng	207609	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[a]pyrene	252	C20H12	000050-32-8	91
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5		Perylene	252	C20H12	000198-55-0	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091035.D
Acq On : 4 Nov 2016 22:02
Operator : UM/SJ
Sample : H5526-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-98-0.5-1.0

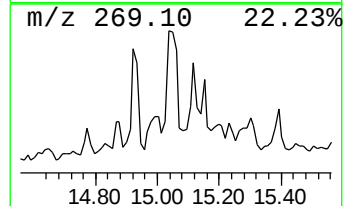
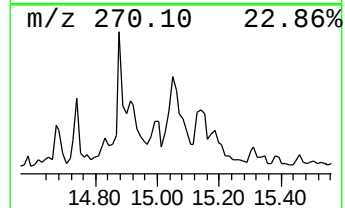
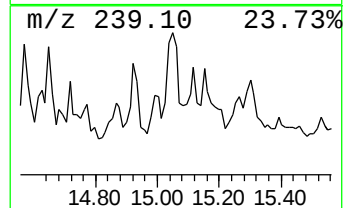
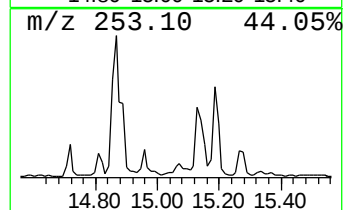
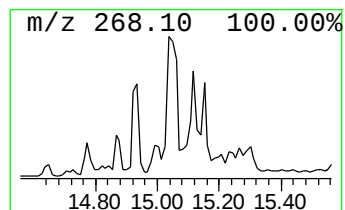
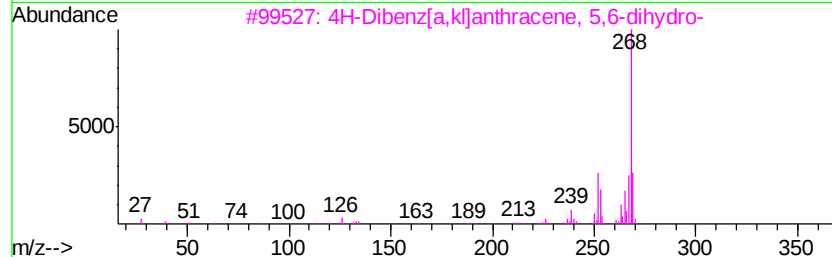
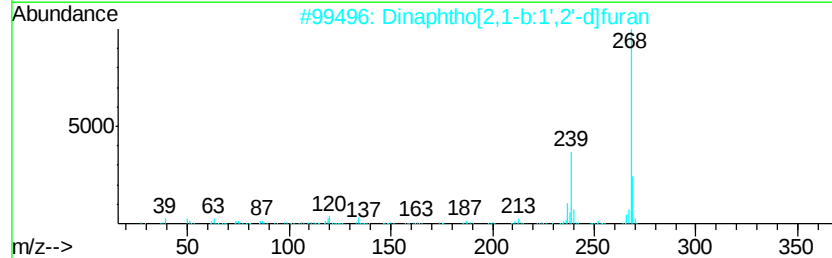
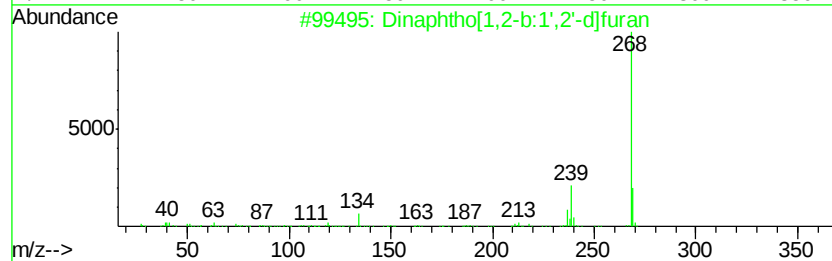
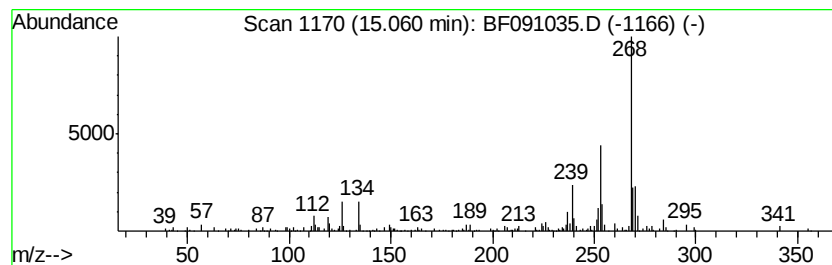
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	2.45 ng	174878	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	60
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	53
3		4H-Dibenz[a,k]anthracene, 5,6-d...	268	C21H16	007198-87-0	53
4		(+)-2-Methylcholanthrene	268	C21H16	1000126-56-1	50
5		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091035.D
Acq On : 4 Nov 2016 22:02
Operator : UM/SJ
Sample : H5526-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

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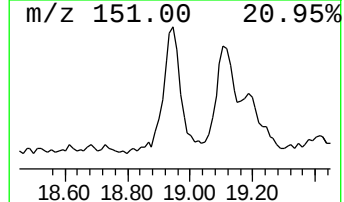
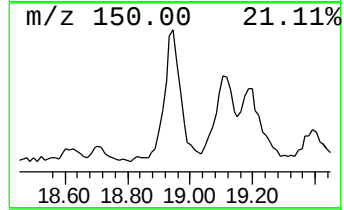
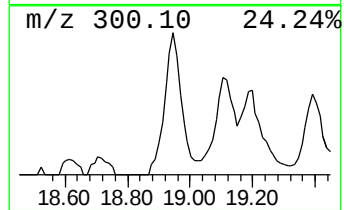
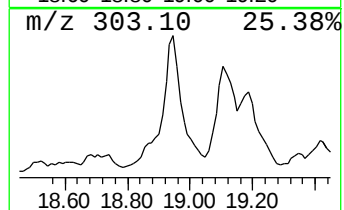
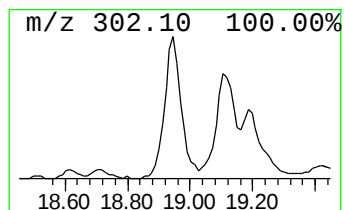
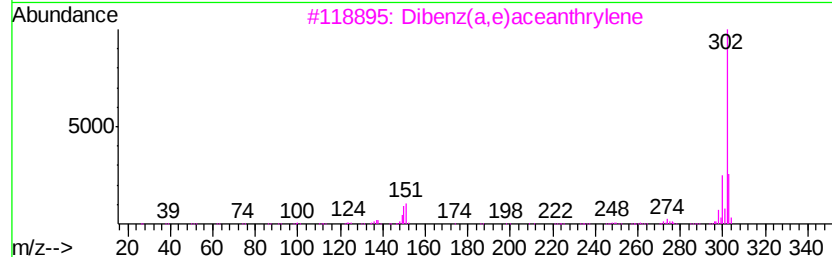
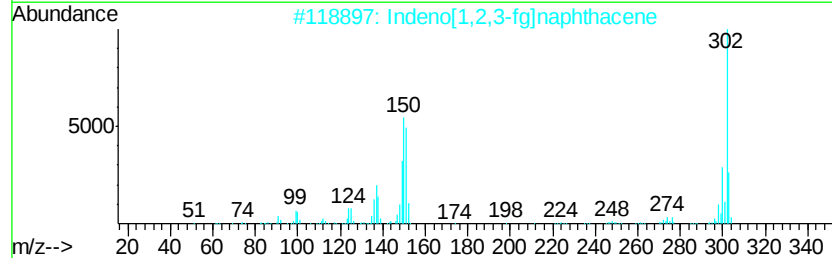
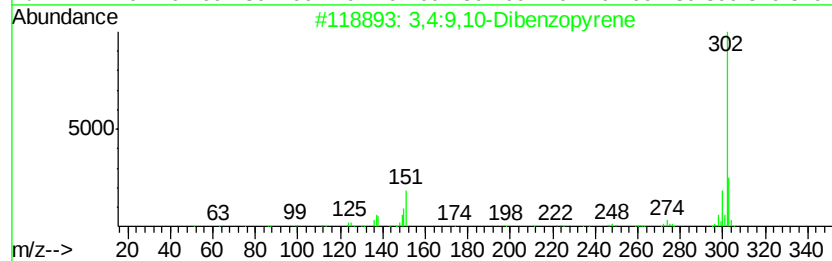
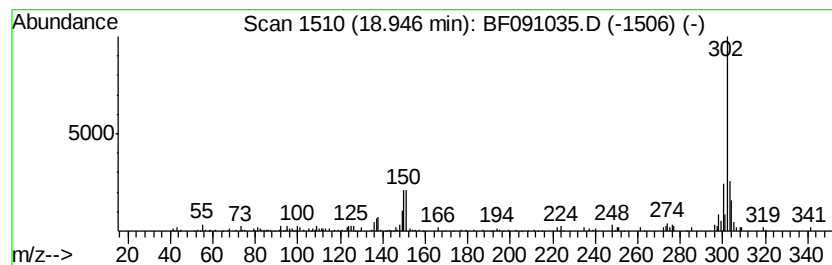
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 3,4:9,10-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	3.71 ng	264452	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	97
2		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	96
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
5		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091035.D
 Acq On : 4 Nov 2016 22:02
 Operator : UM/SJ
 Sample : H5526-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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 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...	4.86	21.7	ng	1290040	1	6.70	1188320	20.0
unknown6.48	6.48	91.2	ng	5418530	1	6.70	1188320	20.0
Hexanoic acid, 2-...	7.40	2.8	ng	207121	2	7.98	1508060	20.0
4H-Cyclopenta[def...	11.84	2.5	ng	344841	4	11.22	2776500	20.0
11H-Benzo[a]fluor...	13.71	2.1	ng	466364	5	13.86	4378620	20.0
9,10-Ethenoanthra...	14.71	3.5	ng	250617	6	15.24	1426740	20.0
Benzo[e]pyrene	14.96	2.9	ng	207609	6	15.24	1426740	20.0
Dinaphtho[1,2-b:1...	15.06	2.5	ng	174878	6	15.24	1426740	20.0
3,4:9,10-Dibenzop...	18.95	3.7	ng	264452	6	15.24	1426740	20.0