

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
 Data File : BF080615.D
 Acq On : 24 Jul 2015 3:00
 Operator : TP/UM
 Sample : G3070-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

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-BF072315.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	4.601	217	220	222	rVB	203025	260719	19.13%	0.996%
2	5.104	261	264	267	rBV	481141	477577	35.03%	1.824%
3	5.527	298	301	303	rBV	970831	1203899	88.32%	4.599%
4	6.556	388	391	393	rBV	1687072	1363184	100.00%	5.208%
5	6.704	402	404	406	rBV	1565692	1282957	94.11%	4.901%
6	6.944	423	425	427	rBV	317380	259538	19.04%	0.992%
7	7.104	436	439	441	rBV	1138033	996070	73.07%	3.805%
8	7.504	472	474	476	rBV	1050012	813316	59.66%	3.107%
9	8.236	536	538	539	rBV	374559	305709	22.43%	1.168%
10	9.036	606	608	611	rBV2	237574	262277	19.24%	1.002%
11	9.310	630	632	635	rVB	1582576	1289744	94.61%	4.927%
12	9.653	659	662	665	rBV2	29466	42094	3.09%	0.161%
13	9.710	665	667	669	rVB	182143	202321	14.84%	0.773%
14	9.813	674	676	678	rVV2	71840	54696	4.01%	0.209%
15	9.848	678	679	682	rVB2	32918	38558	2.83%	0.147%
16	9.996	689	692	693	rBV	327334	309016	22.67%	1.181%
17	10.019	693	694	696	rVB	61265	83325	6.11%	0.318%
18	10.190	707	709	712	rVB	47030	56934	4.18%	0.218%
19	10.533	738	739	742	rBV	76197	101832	7.47%	0.389%
20	10.670	750	751	752	rVV	59043	50302	3.69%	0.192%
21	10.773	758	760	763	rBV2	716781	721724	52.94%	2.757%
22	10.899	769	771	777	rVB	34350	44284	3.25%	0.169%
23	11.093	784	788	789	rBV3	19059	39262	2.88%	0.150%
24	11.276	802	804	807	rVB	50427	59636	4.37%	0.228%
25	11.345	807	810	811	rBV2	49171	79884	5.86%	0.305%
26	11.379	811	813	815	rVB	89897	88056	6.46%	0.336%
27	11.482	820	822	823	rBV	308885	435969	31.98%	1.666%
28	11.505	823	824	826	rVV	1373010	981456	72.00%	3.749%
29	11.551	826	828	830	rVV	217498	208629	15.30%	0.797%
30	11.711	839	842	843	rBV	128337	162419	11.91%	0.620%
31	11.779	847	848	849	rVV	59247	46972	3.45%	0.179%
32	11.813	849	851	853	rVV	48049	48598	3.57%	0.186%
33	11.893	854	858	860	rVB2	27575	39092	2.87%	0.149%
34	11.985	863	866	867	rVV	150686	155325	11.39%	0.593%

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35	12.008	867	868	870	rVV	223719	189631	13.91%	0.724%
36	12.053	870	872	874	rVV	45872	52755	3.87%	0.202%
37	12.099	874	876	880	rVB2	158896	307539	22.56%	1.175%
38	12.282	889	892	896	rVB3	104286	224824	16.49%	0.859%
39	12.408	900	903	904	rBV	488177	466335	34.21%	1.782%
40	12.465	906	908	909	rVV	52413	48704	3.57%	0.186%
41	12.533	912	914	916	rVV	230101	225994	16.58%	0.863%
42	12.579	916	918	920	rVV2	44102	75048	5.51%	0.287%
43	12.625	920	922	926	rVB2	49247	70709	5.19%	0.270%
44	12.705	926	929	931	rBV	875931	907812	66.59%	3.468%
45	12.854	939	942	946	rVB2	37816	86179	6.32%	0.329%
46	12.934	946	949	952	rBV	855840	1034751	75.91%	3.953%
47	12.991	952	954	957	rVB2	41013	54616	4.01%	0.209%
48	13.059	957	960	961	rBV	40061	49803	3.65%	0.190%
49	13.094	961	963	965	rVB	813002	1049499	76.99%	4.009%
50	13.162	966	969	971	rBV2	58878	98401	7.22%	0.376%
51	13.276	976	979	981	rVB	85730	147997	10.86%	0.565%
52	13.345	983	985	987	rVB3	36016	48336	3.55%	0.185%
53	13.391	987	989	990	rBV	99401	95241	6.99%	0.364%
54	13.459	993	995	996	rBV	112910	105355	7.73%	0.402%
55	13.494	996	998	999	rVB	47970	50954	3.74%	0.195%
56	13.528	999	1001	1003	rBV	47225	66509	4.88%	0.254%
57	13.711	1012	1017	1018	rBV4	28521	57906	4.25%	0.221%
58	13.825	1023	1027	1030	rBV	75155	94775	6.95%	0.362%
59	13.951	1034	1038	1040	rBV2	89603	151017	11.08%	0.577%
60	13.985	1040	1041	1042	rVV	64021	56151	4.12%	0.215%
61	14.054	1045	1047	1052	rVB	83977	133476	9.79%	0.510%
62	14.179	1056	1058	1060	rBV3	125186	169192	12.41%	0.646%
63	14.225	1060	1062	1063	rVV	587777	824547	60.49%	3.150%
64	14.259	1063	1065	1069	rVB	457415	736754	54.05%	2.815%
65	14.351	1069	1073	1075	rBV2	45385	66709	4.89%	0.255%
66	14.442	1080	1081	1083	rVV	32741	50284	3.69%	0.192%
67	14.488	1083	1085	1087	rVV2	43706	60004	4.40%	0.229%
68	14.648	1097	1099	1100	rBV	21226	41359	3.03%	0.158%
69	14.682	1100	1102	1104	rVV	93049	122613	8.99%	0.468%
70	14.728	1104	1106	1108	rVV2	43802	72210	5.30%	0.276%
71	14.797	1108	1112	1113	rVV2	38260	76955	5.65%	0.294%

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72	14.854	1113	1117	1120	rVV4	83299	200979	14.74%	0.768%
73	14.922	1120	1123	1125	rVB3	30201	55051	4.04%	0.210%
74	15.037	1131	1133	1135	rBV2	29576	51725	3.79%	0.198%
75	15.231	1148	1150	1151	rVV	29256	50807	3.73%	0.194%
76	15.254	1151	1152	1156	rVV3	34815	72692	5.33%	0.278%
77	15.425	1163	1167	1173	rBV	382787	931751	68.35%	3.560%
78	15.528	1175	1176	1179	rVV	76314	87218	6.40%	0.333%
79	15.642	1182	1186	1188	rBV4	24954	69657	5.11%	0.266%
80	15.688	1188	1190	1191	rVV	33298	44350	3.25%	0.169%
81	15.734	1191	1194	1197	rVV	275361	372993	27.36%	1.425%
82	15.802	1197	1200	1202	rVV	330248	495057	36.32%	1.891%
83	15.860	1202	1205	1212	rVB3	391854	745967	54.72%	2.850%
84	16.020	1217	1219	1220	rVV2	33582	66565	4.88%	0.254%
85	16.100	1224	1226	1229	rVV3	26517	59579	4.37%	0.228%
86	16.237	1236	1238	1242	rVB5	20976	43173	3.17%	0.165%
87	16.374	1247	1250	1252	rVV2	94721	152467	11.18%	0.582%
88	16.442	1254	1256	1261	rVB3	36828	76880	5.64%	0.294%
89	16.808	1286	1288	1292	rVB4	26431	52290	3.84%	0.200%
90	16.934	1294	1299	1301	rBV6	18735	54453	3.99%	0.208%
91	17.197	1317	1322	1326	rBV2	50505	147439	10.82%	0.563%
92	17.368	1334	1337	1342	rVB2	197042	412529	30.26%	1.576%
93	17.551	1350	1353	1356	rBV	43686	94179	6.91%	0.360%
94	17.608	1356	1358	1362	rBV2	34326	65669	4.82%	0.251%
95	17.814	1372	1376	1385	rVB	177411	429931	31.54%	1.642%
96	18.054	1389	1397	1400	rVB2	35585	118357	8.68%	0.452%
97	18.603	1441	1445	1453	rVB8	16292	54654	4.01%	0.209%
98	20.123	1571	1578	1587	rVB	32095	167571	12.29%	0.640%
99	20.294	1587	1593	1597	rBV2	30104	125689	9.22%	0.480%
100	21.300	1671	1681	1683	rBV5	28088	140225	10.29%	0.536%

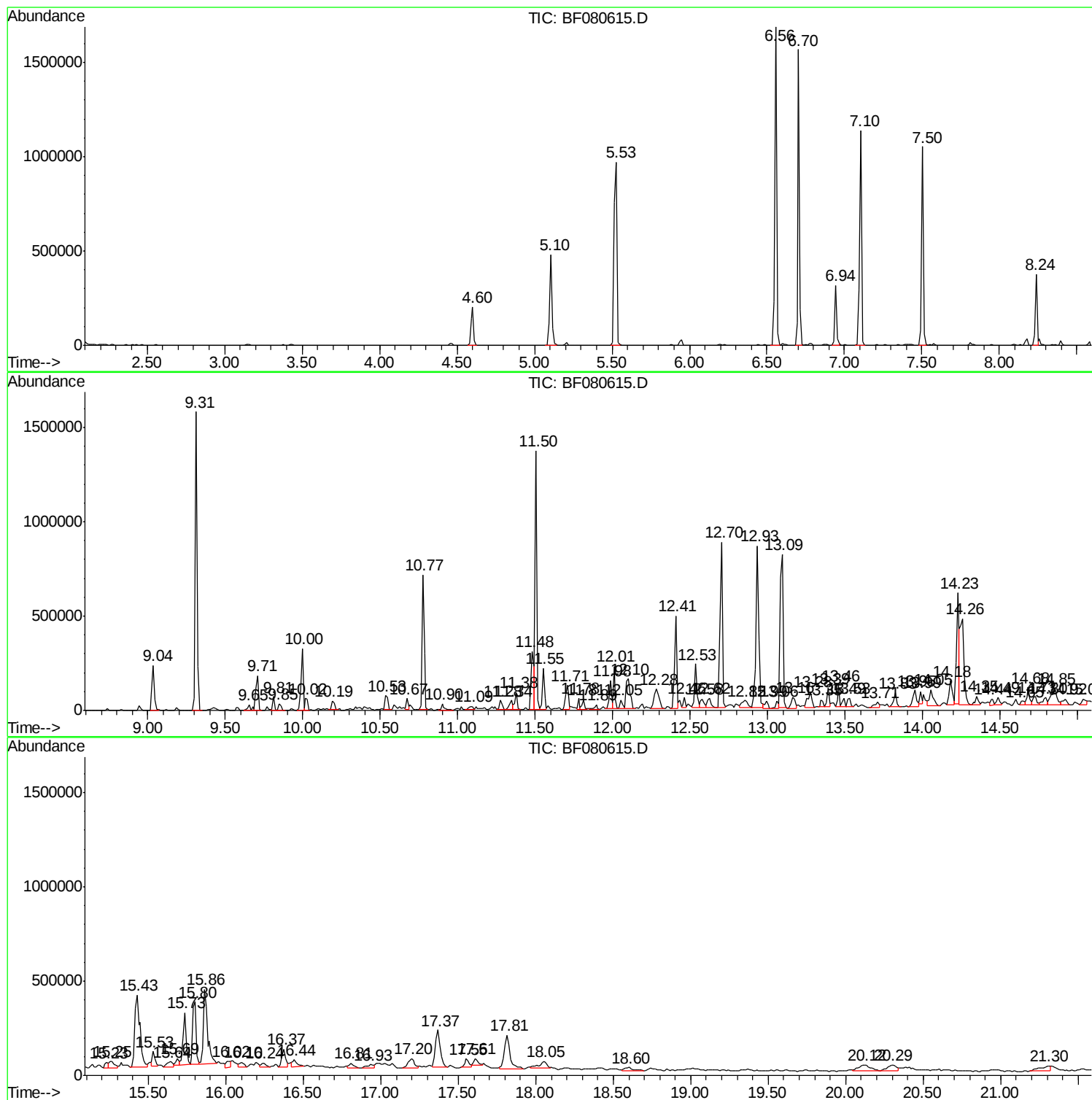
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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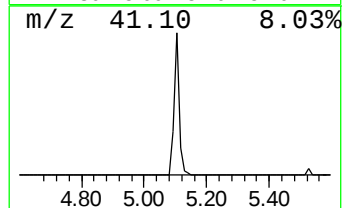
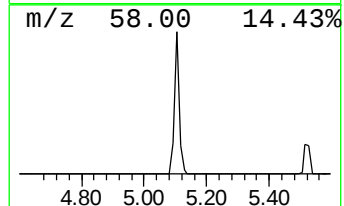
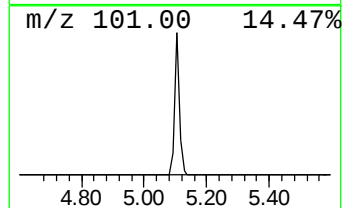
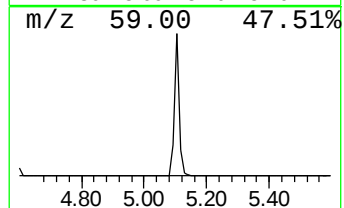
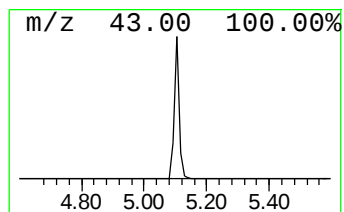
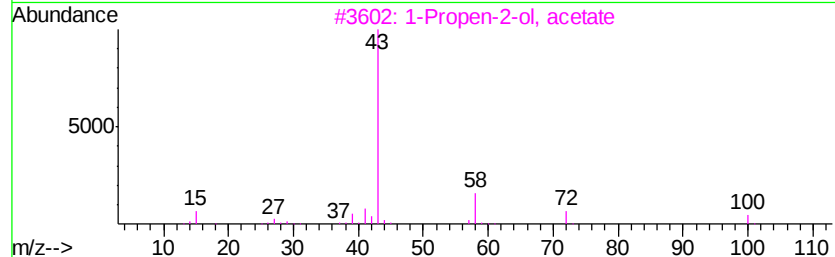
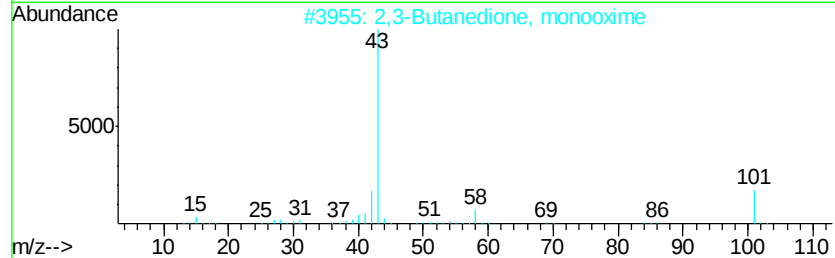
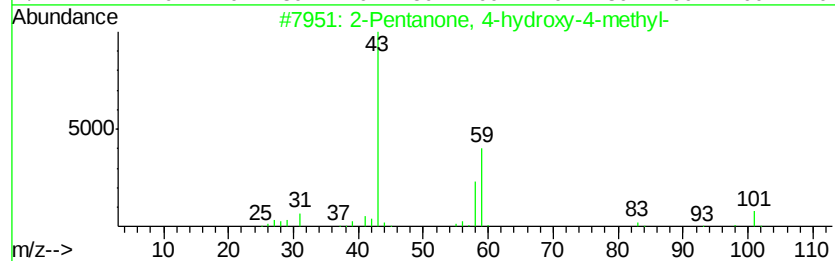
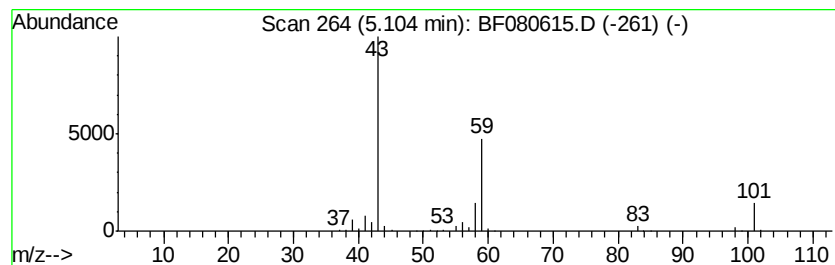
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	36.80 ng	477577	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
3		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4		4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
5		Butane	58	C4H10	000106-97-8	9



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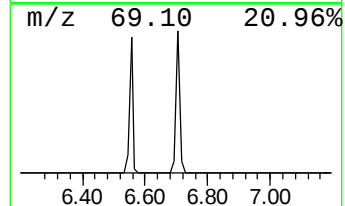
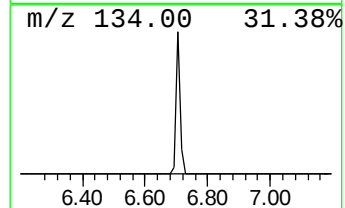
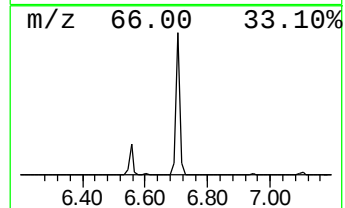
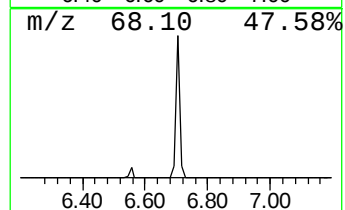
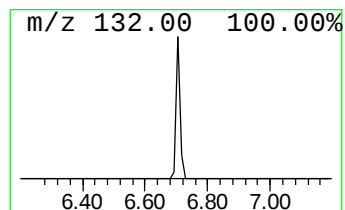
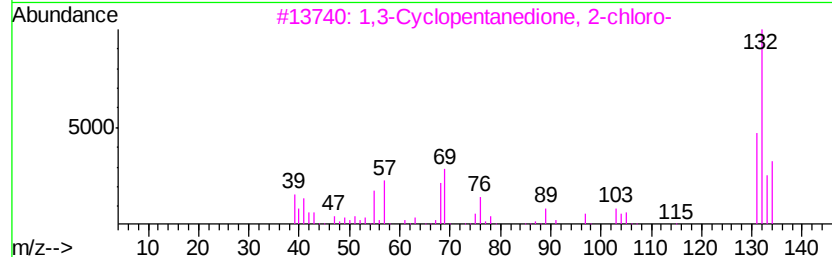
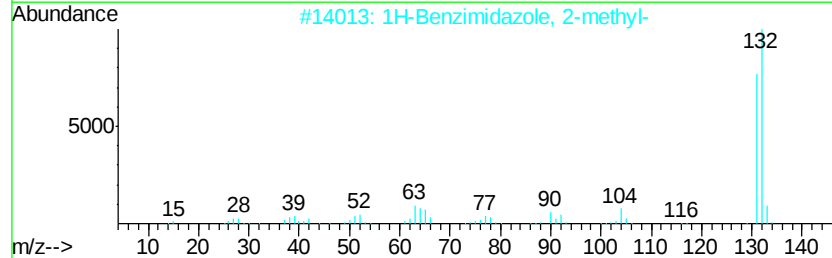
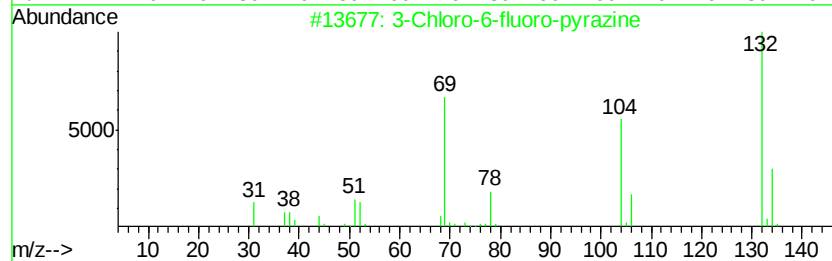
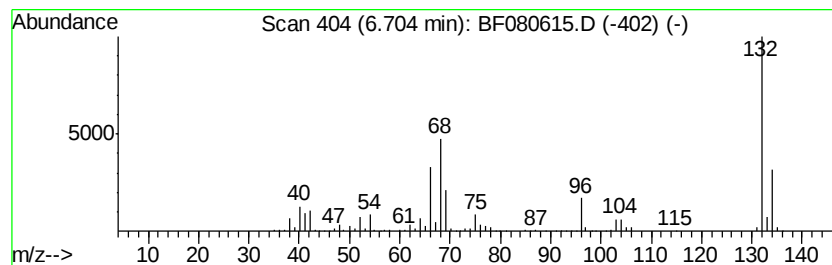
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.70 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	98.86 ng	1282960	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
5		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10



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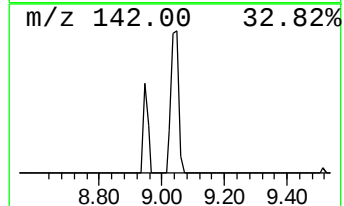
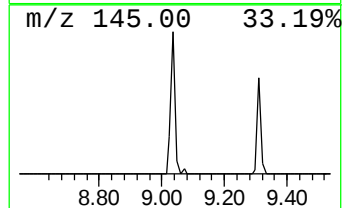
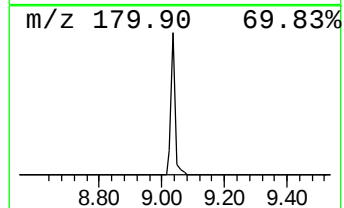
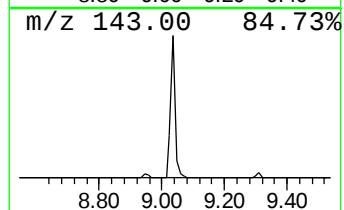
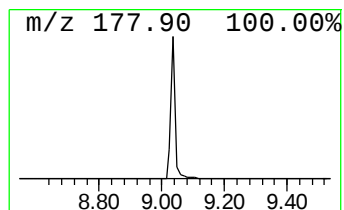
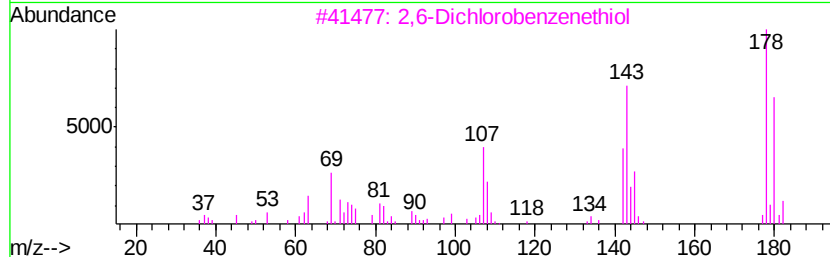
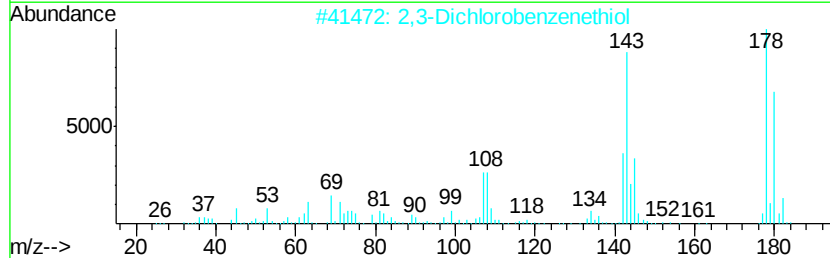
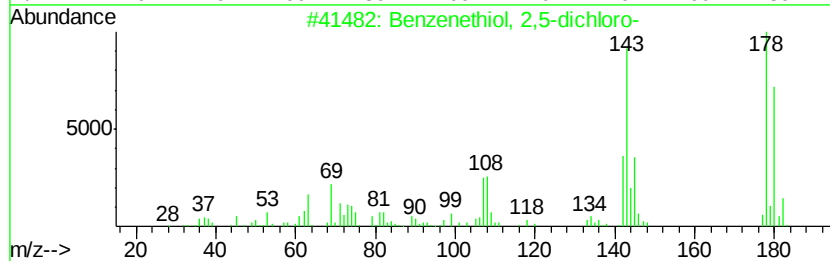
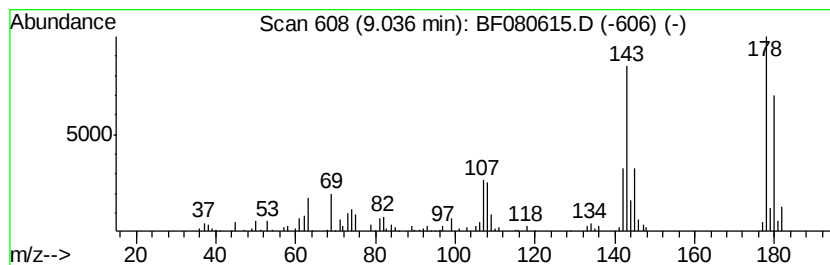
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzenethiol, 2,5-dichloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	17.16 ng	262277	Napthalene-d8	8.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzenethiol, 2,5-dichloro-	178	C6H4Cl2S	005858-18-4	99
2		2,3-Dichlorobenzenethiol	178	C6H4Cl2S	017231-95-7	99
3		2,6-Dichlorobenzenethiol	178	C6H4Cl2S	024966-39-0	97
4		3,4-Dichlorobenzenethiol	178	C6H4Cl2S	005858-17-3	95
5		Benzenethiol, 2,4-dichloro-	178	C6H4Cl2S	001122-41-4	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

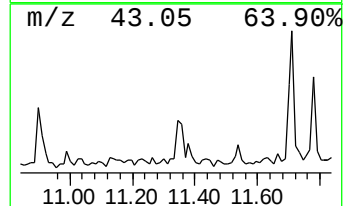
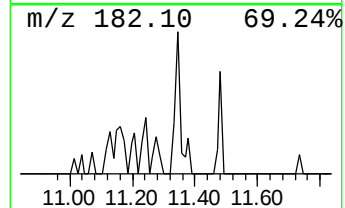
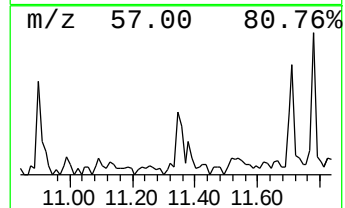
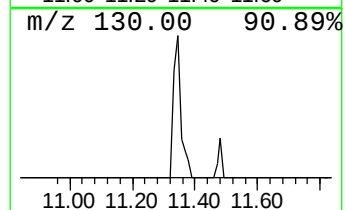
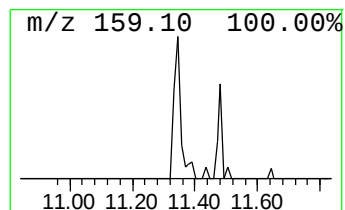
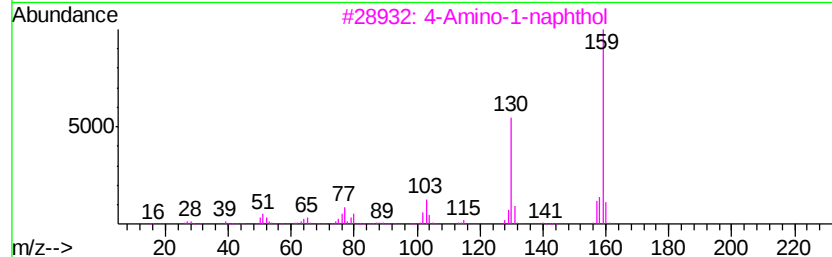
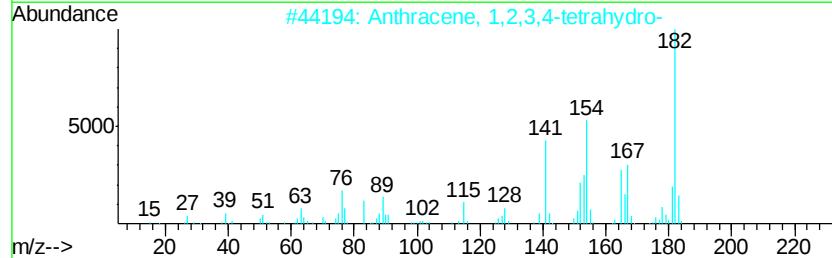
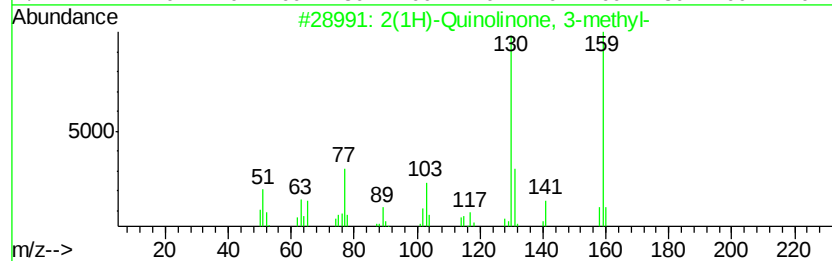
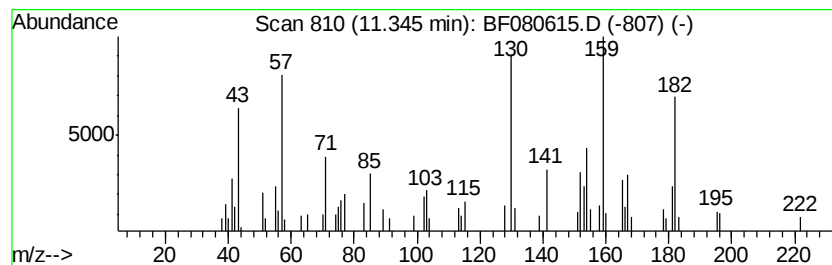
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown11.34 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	3.66 ng	79884	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	46
2		Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	46
3		4-Amino-1-naphthol	159	C10H9NO	002834-90-4	38
4		2-Naphthalenol, 1-amino-	159	C10H9NO	002834-92-6	38
5		Indole-3-acetaldehyde	159	C10H9NO	002591-98-2	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-2

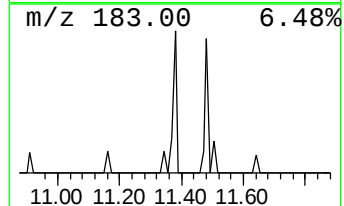
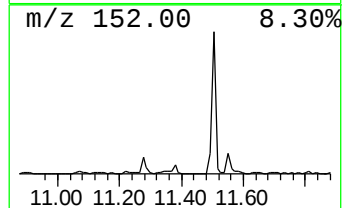
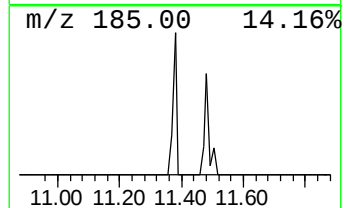
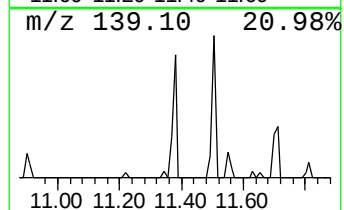
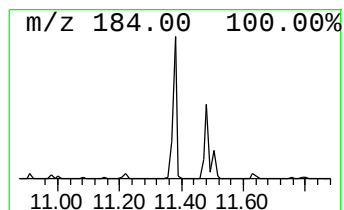
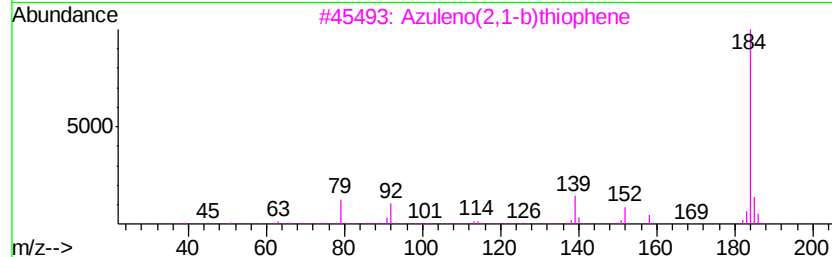
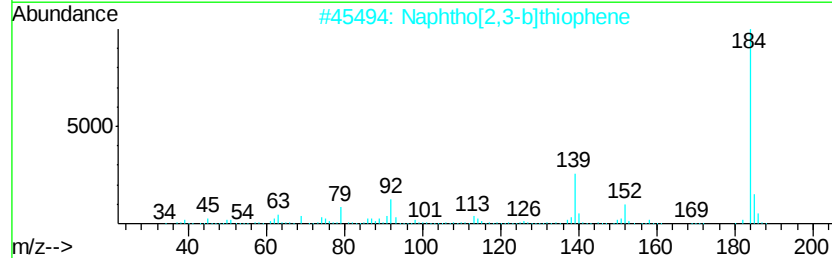
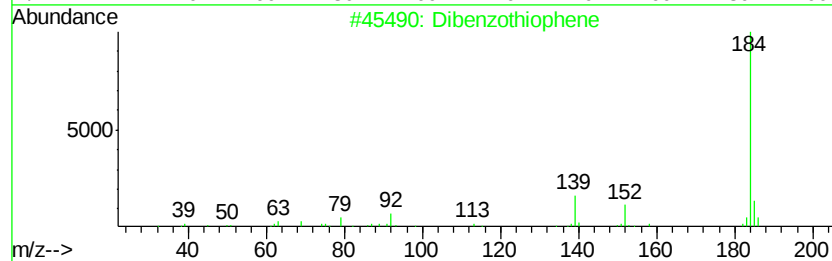
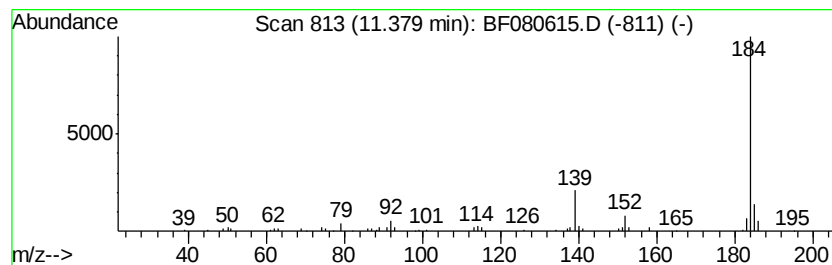
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	4.04 ng	88056	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	94
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80
4		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	64
5		3,4-Bis(methylthio)toluene	184	C9H12S2	029690-14-0	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

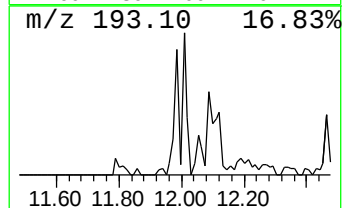
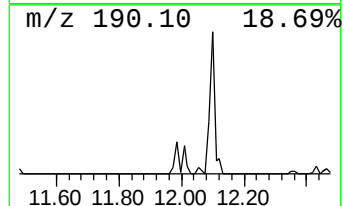
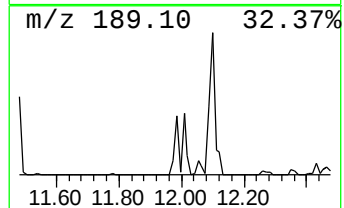
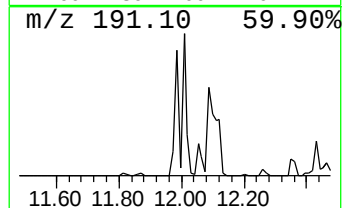
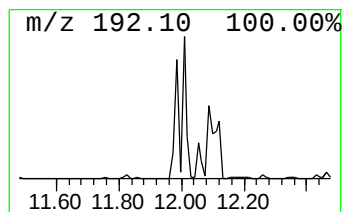
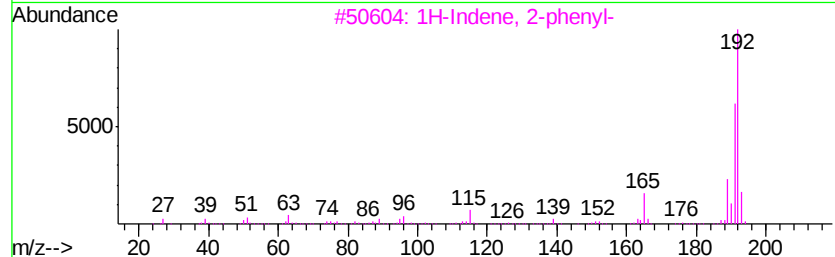
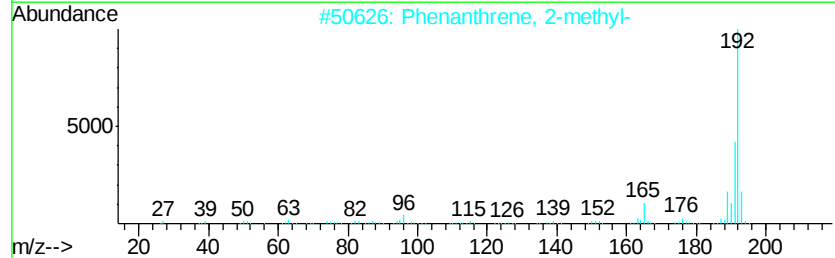
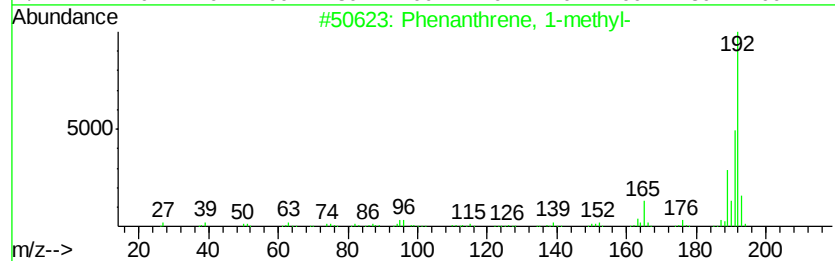
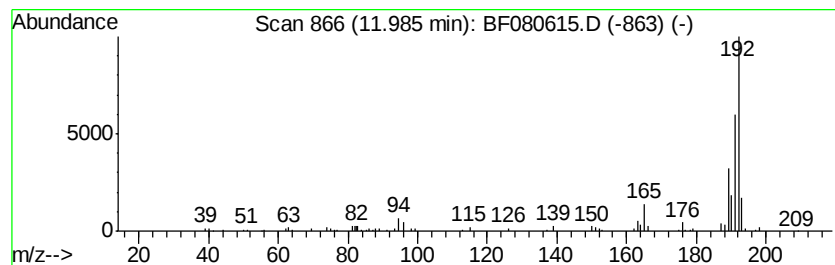
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	7.13 ng	155325	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-2

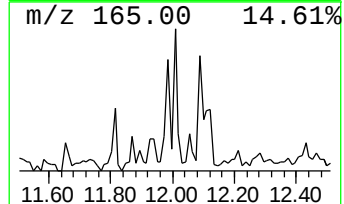
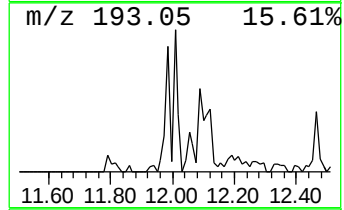
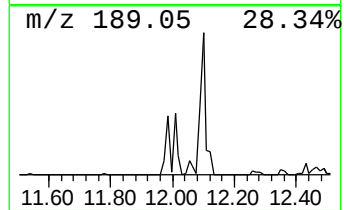
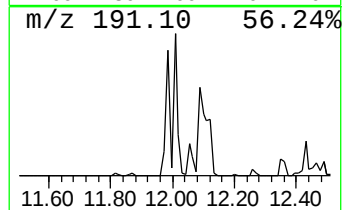
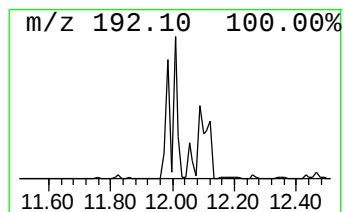
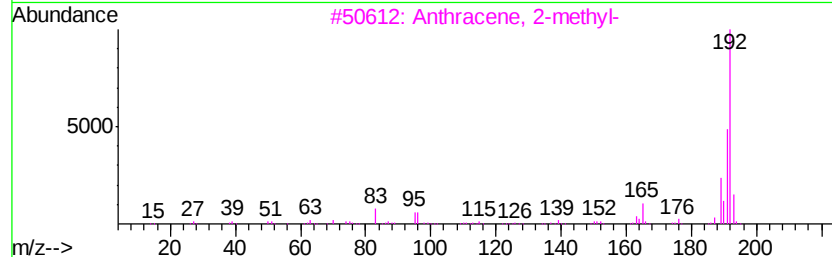
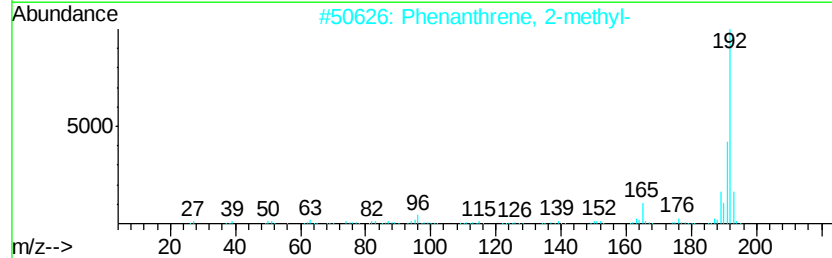
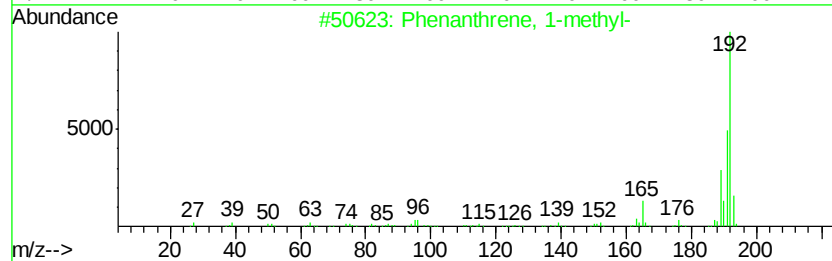
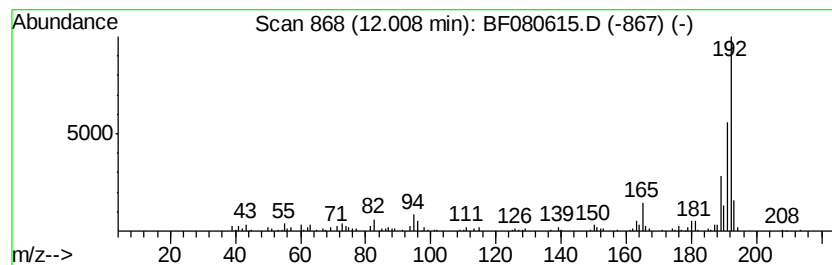
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	8.70 ng	189631	Phenanthrene-d10	11.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
Misc :
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ClientSampleId :
SOIL-2

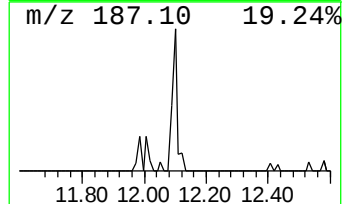
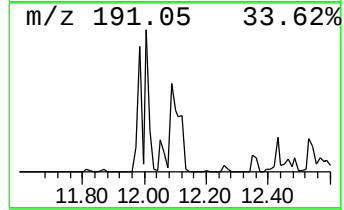
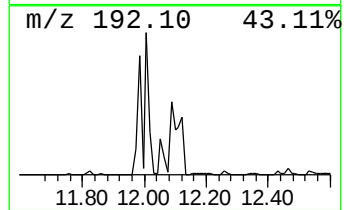
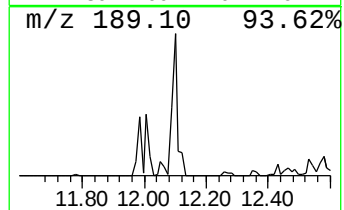
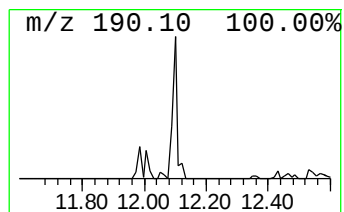
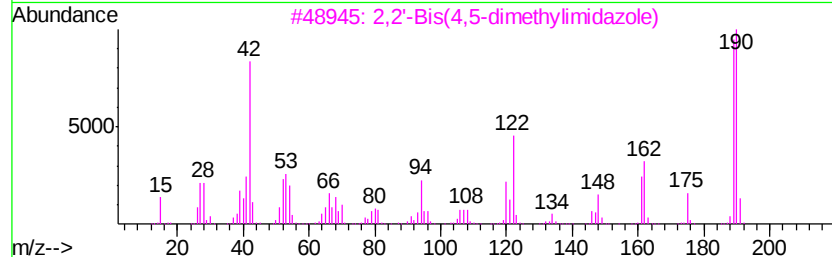
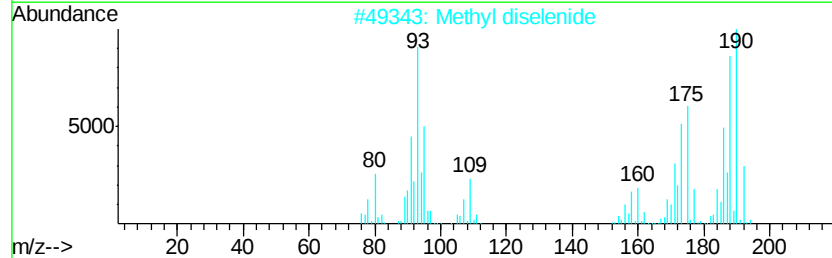
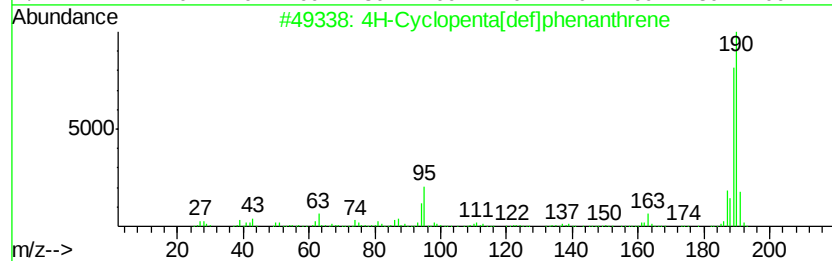
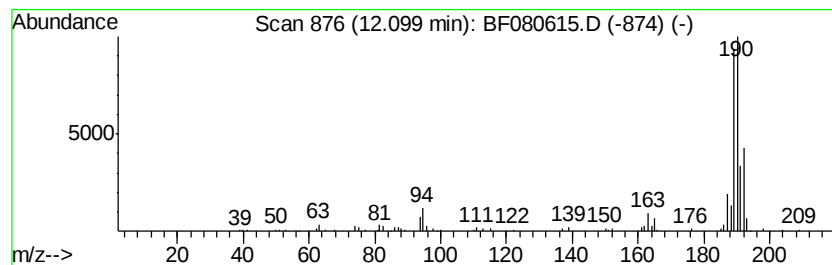
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	14.11 ng	307539	Phenanthrene-d10	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2			Methyl diselenide	190	C2H6Se2	007101-31-7	45
3			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4			1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17
5			2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	12



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
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Acq On : 24 Jul 2015 3:00
Operator : TP/UM
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Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
SOIL-2

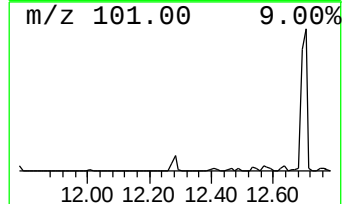
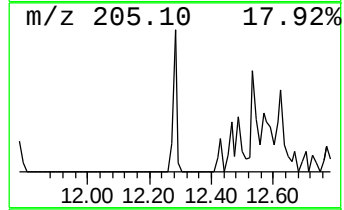
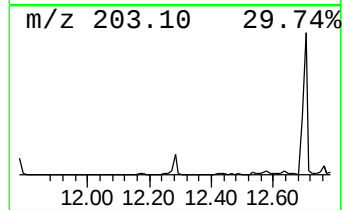
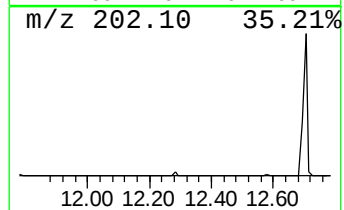
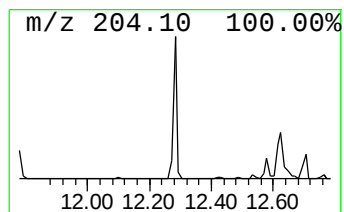
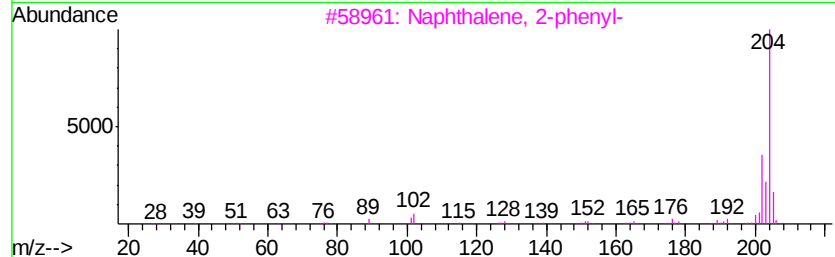
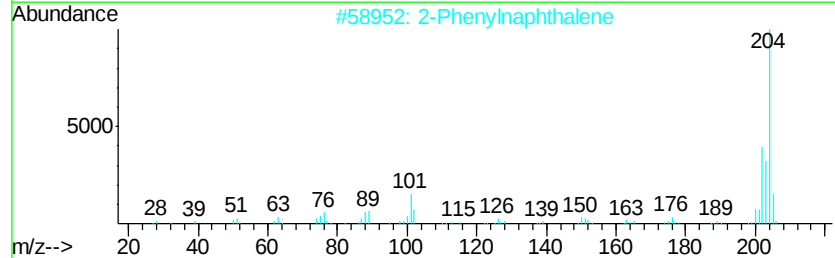
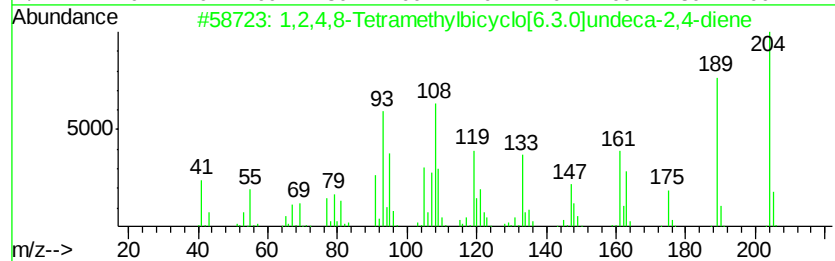
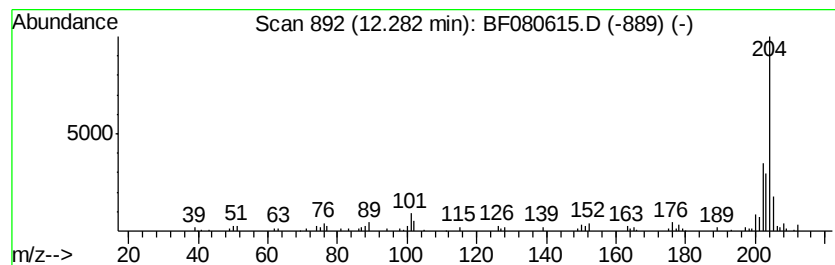
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	10.31 ng	224824	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	90
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	89
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
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Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
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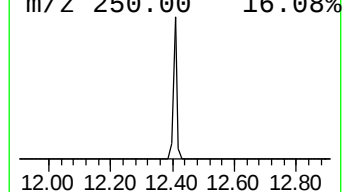
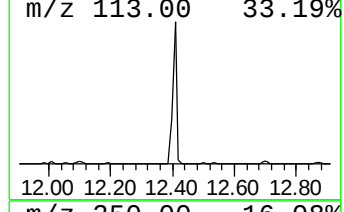
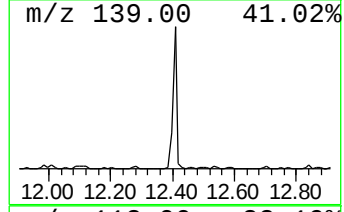
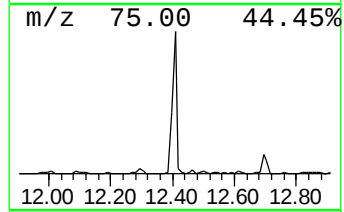
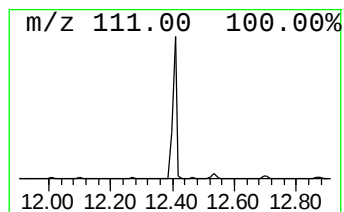
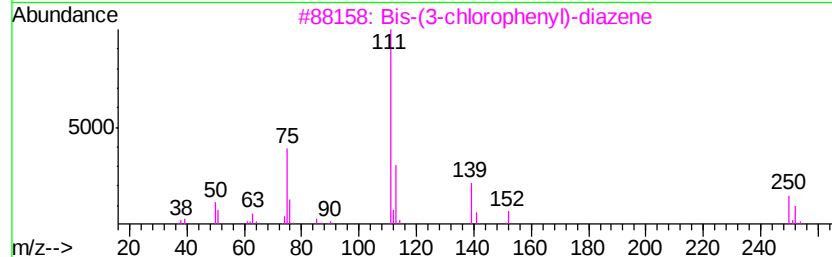
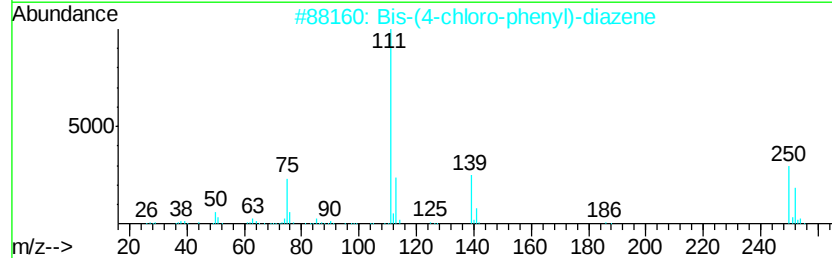
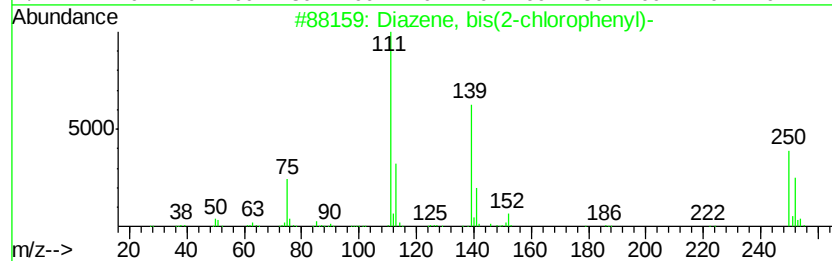
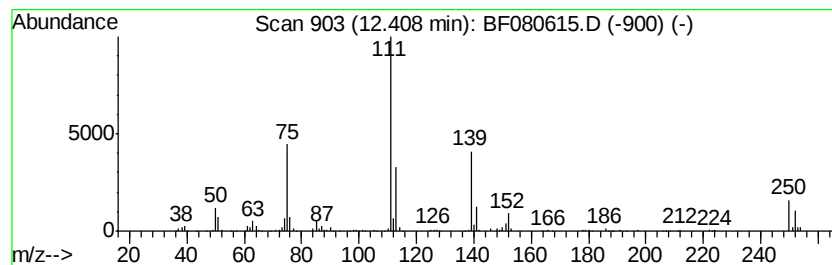
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Diazene, bis(2-chlorophenyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	21.39 ng	466335	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Diazene, bis(2-chlorophenyl)-	250	C12H8Cl2N2	007334-33-0	96
2		Bis-(4-chloro-phenyl)-diazene	250	C12H8Cl2N2	1000192-28-4	96
3		Bis-(3-chlorophenyl)-diazene	250	C12H8Cl2N2	015426-14-9	93
4		Triazene, 1-(p-fluorophenyl)-1-c...	288	C14H10ClFN4	1000274-66-3	80
5		Triazene, 3-(2-chlorophenyl)-1-(...	306	C13H11ClN4O3	1000293-97-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

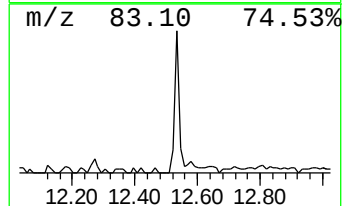
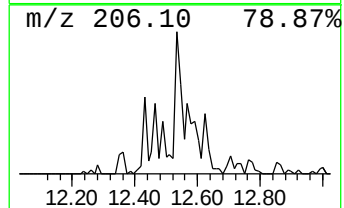
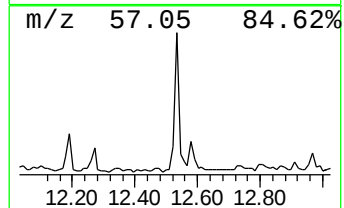
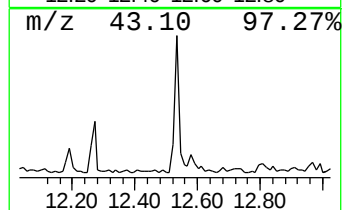
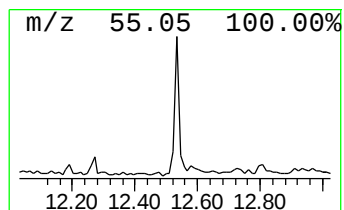
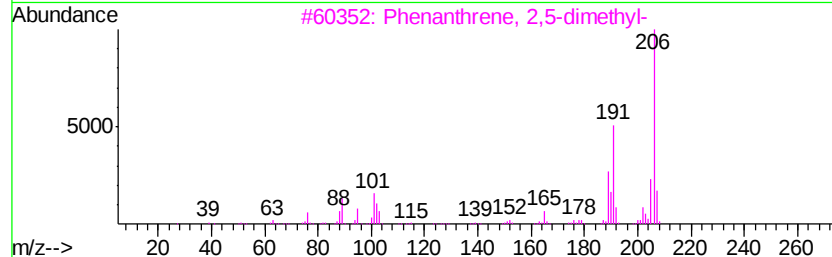
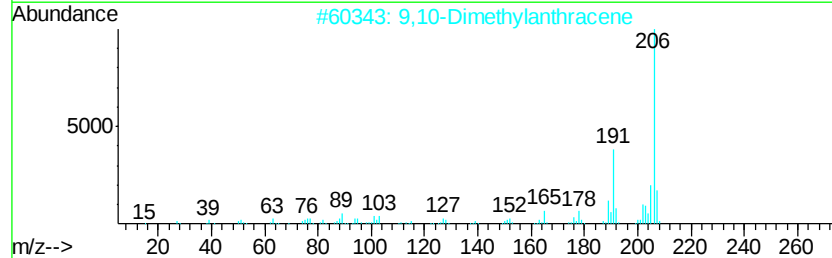
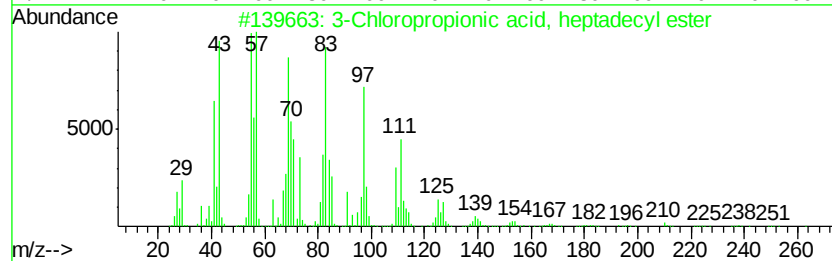
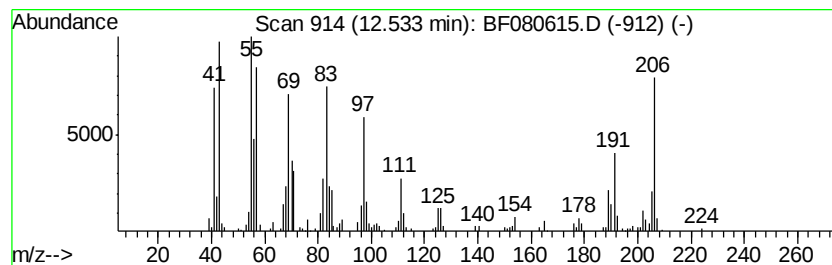
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 3-Chloropropionic acid, hep... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	10.37 ng	225994	Phenanthrene-d10	11.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	70
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	59
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
4			Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	55
5			9-Eicosene, (E)-	280	C20H40	074685-29-3	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

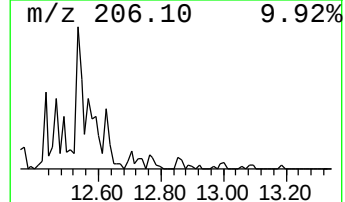
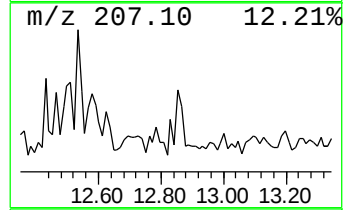
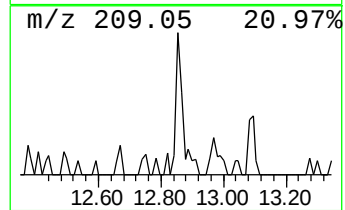
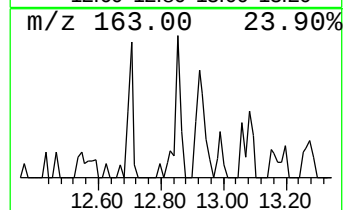
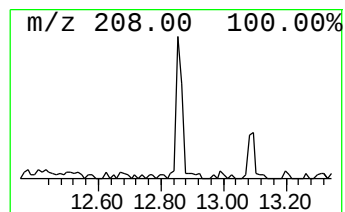
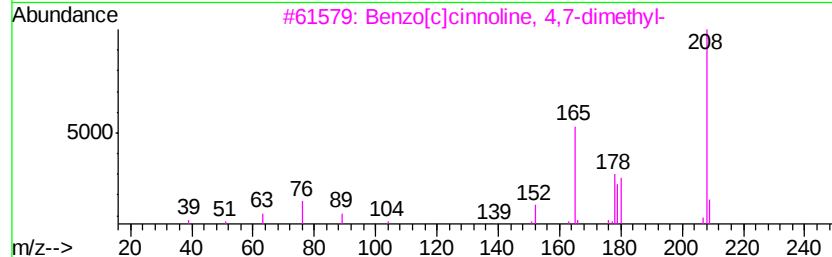
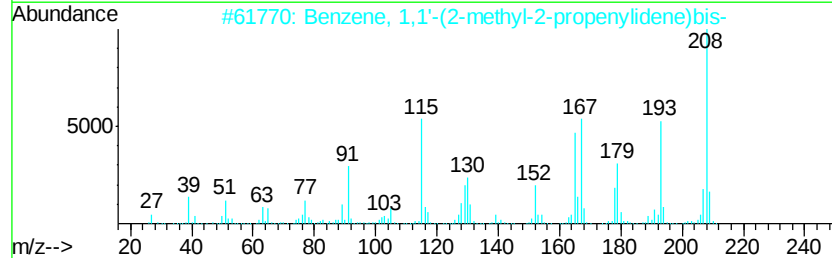
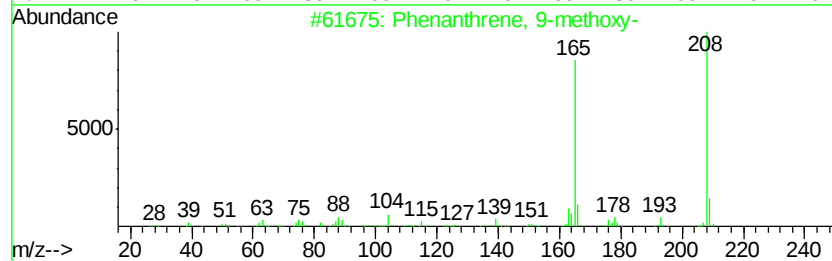
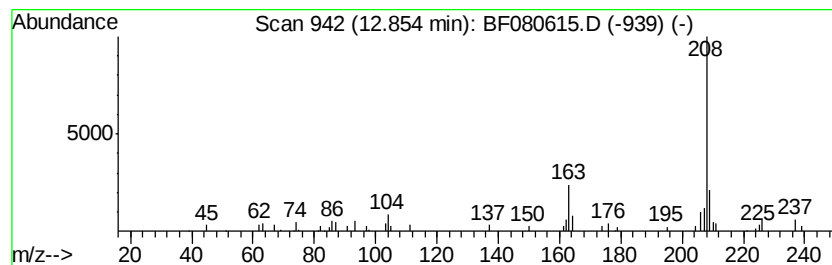
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 9-methoxy- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	3.95 ng	86179	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	53
2		Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	53
3		Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	53
4		3-Methyl-2,2-diphenylaziridine	209	C15H15N	007764-13-8	53
5		Phenanthrene, 4-methoxy-	208	C15H12O	015638-06-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

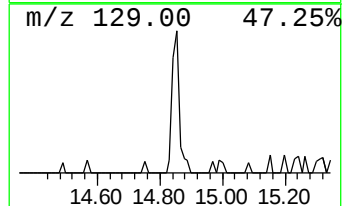
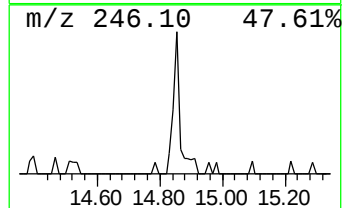
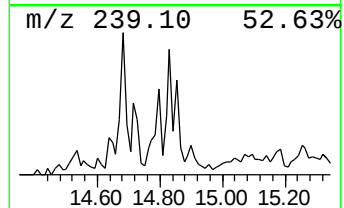
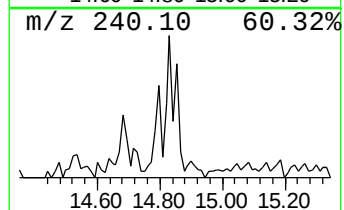
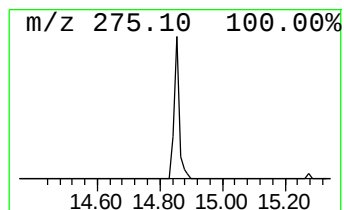
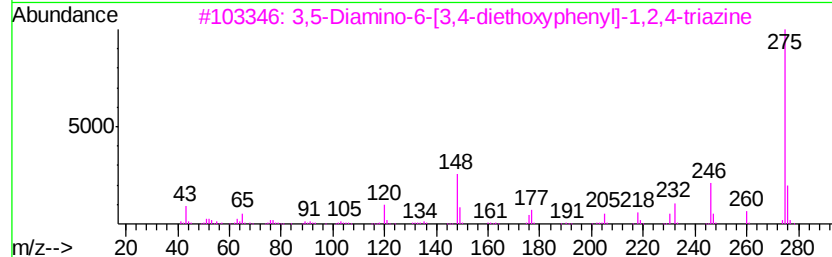
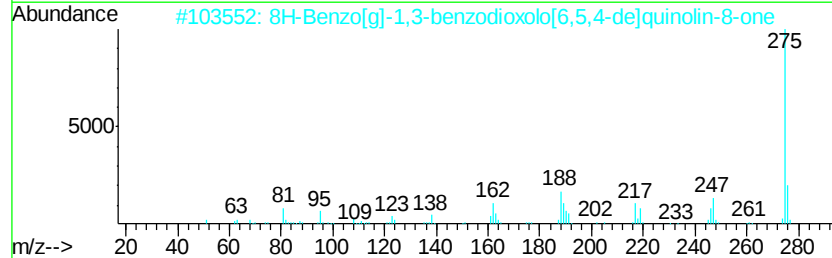
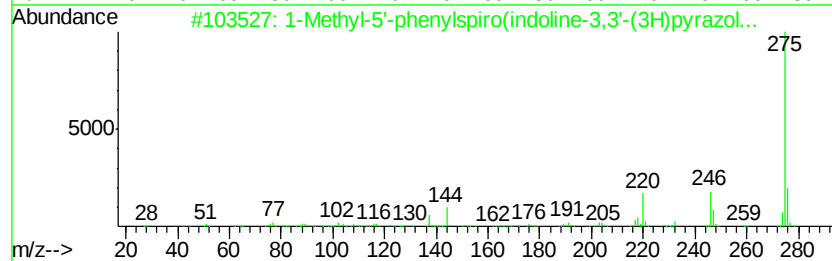
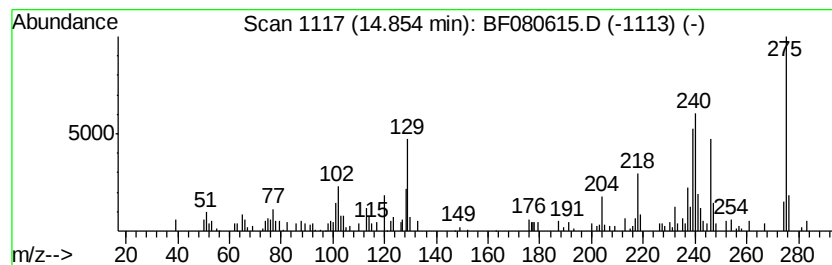
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown14.85 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	4.87 ng	200979	Chrysene-d12	14.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyl-5'-phenylspiro(indoline...	275	C17H13N3O	015970-21-5	30
2			8H-Benzo[g]-1,3-benzodioxolo[6,5...	275	C17H9NO3	000475-75-2	25
3			3,5-Diamino-6-[3,4-diethoxypheny...	275	C13H17N5O2	058848-69-4	25
4			5-[4-(Dimethylamino)benzylidene]...	275	C13H13N3O2S	027430-15-5	22
5			o-(p-(Dimethylamino)benzylidenea...	240	C15H16N2O	023837-35-6	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SOIL-2

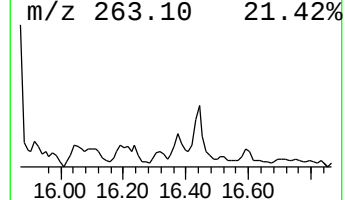
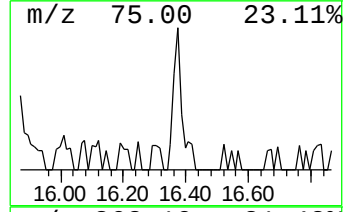
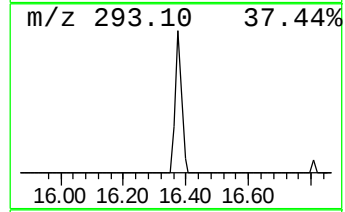
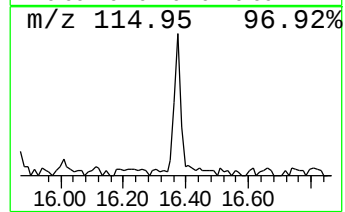
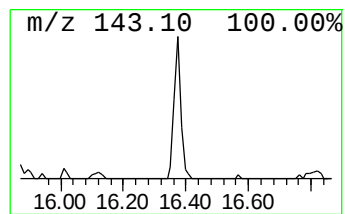
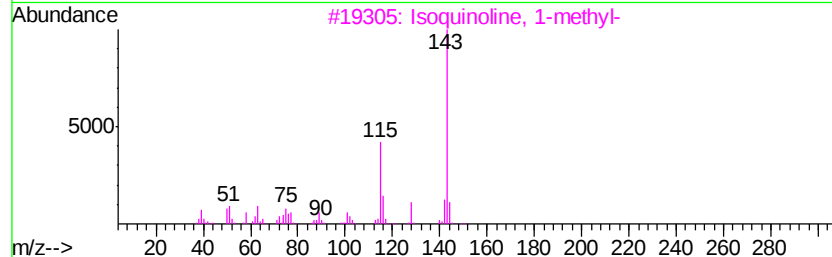
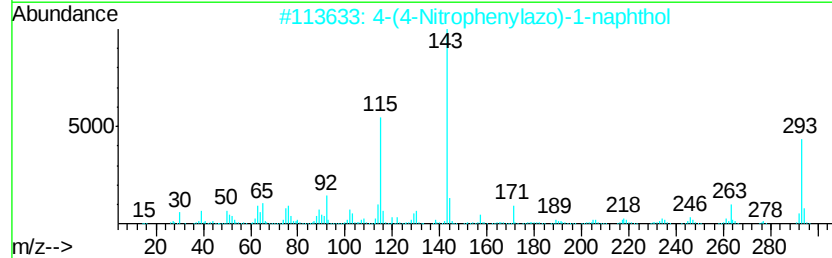
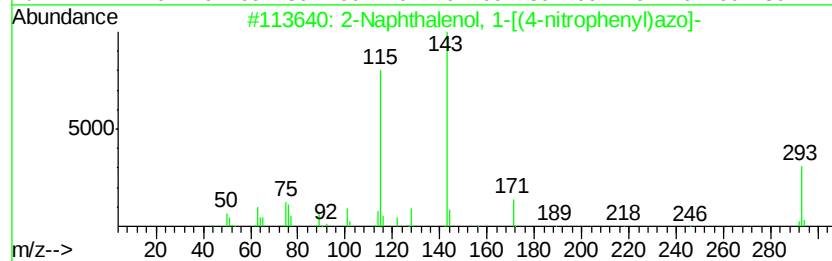
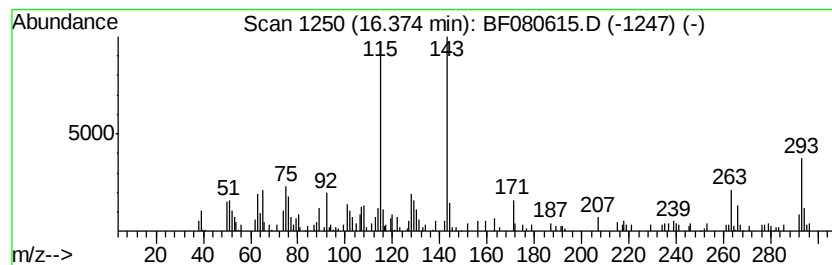
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 2-Naphthalenol, 1-[(4-nitro... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	4.09 ng	152467	Perylene-d12	15.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Naphthalenol, 1-[(4-nitropheny...	293	C16H11N3O3	006410-10-2	93
2			4-(4-Nitrophenylazo)-1-naphthol	293	C16H11N3O3	005290-62-0	78
3			Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	62
4			2-Naphthalenamine	143	C10H9N	000091-59-8	60
5			2-Naphthalenol, 1-[(2-methylphen...	262	C17H14N2O	002646-17-5	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

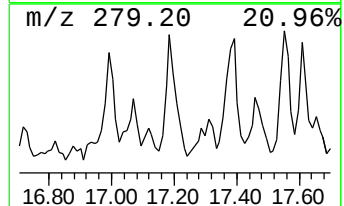
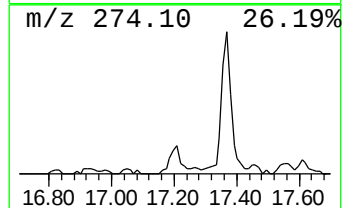
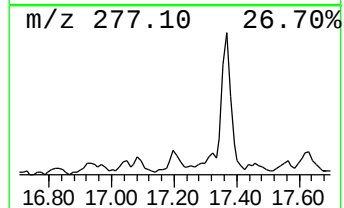
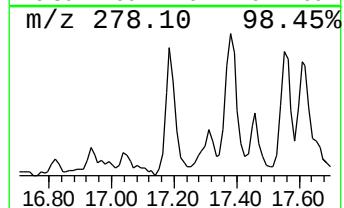
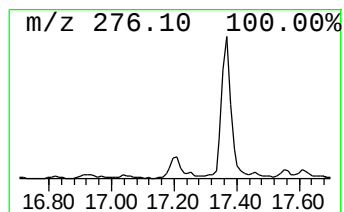
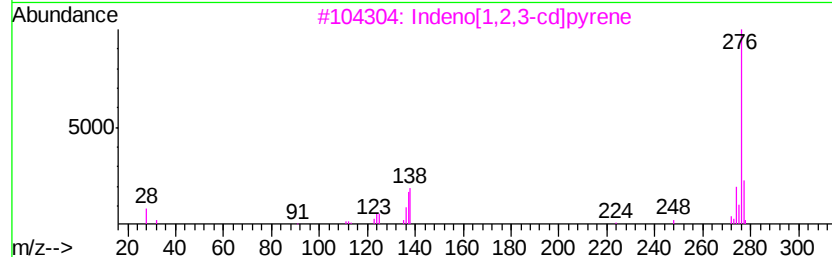
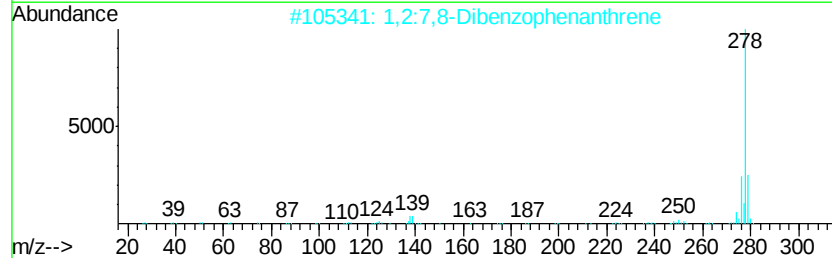
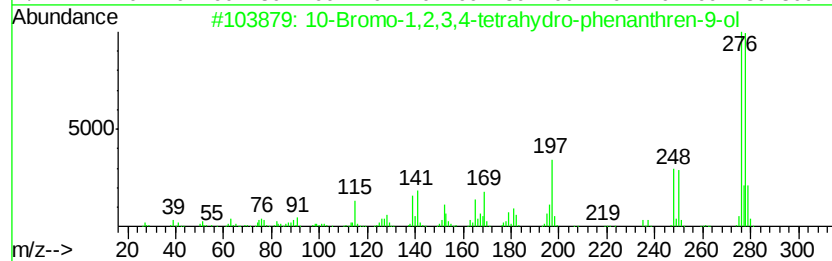
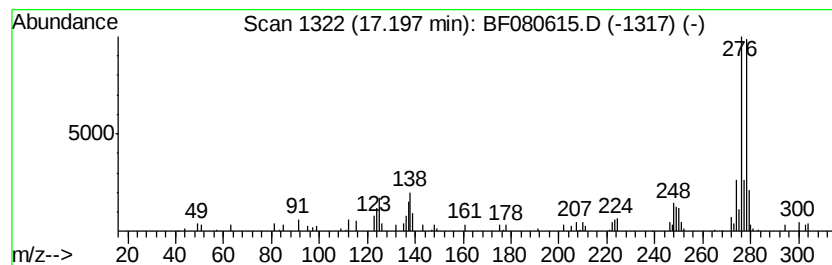
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 10-Bromo-1,2,3,4-tetrahydro... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	3.95 ng	147439	Perylene-d12	15.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	59
2		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	55
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	46
4		Benzo[b]chrysene	278	C22H14	000214-17-5	46
5		Pyrene, 1-phenyl-	278	C22H14	005101-27-9	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
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Acq On : 24 Jul 2015 3:00
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

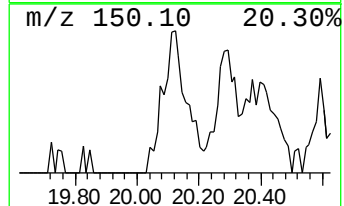
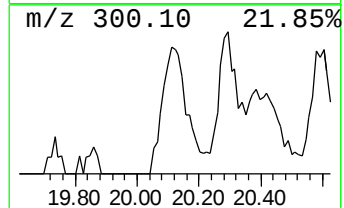
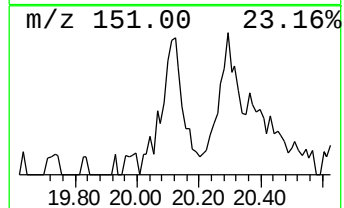
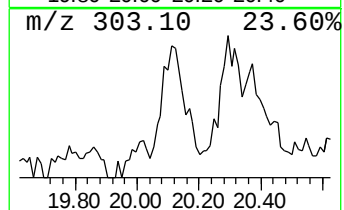
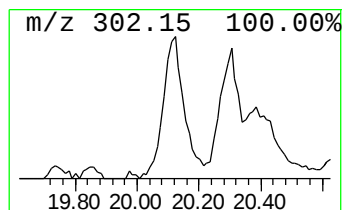
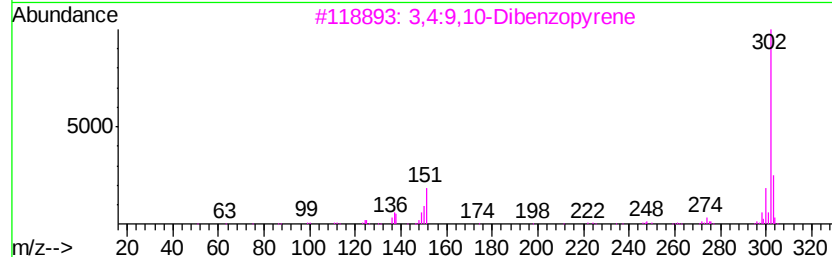
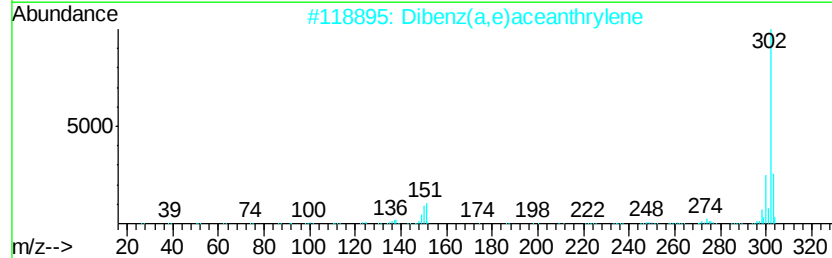
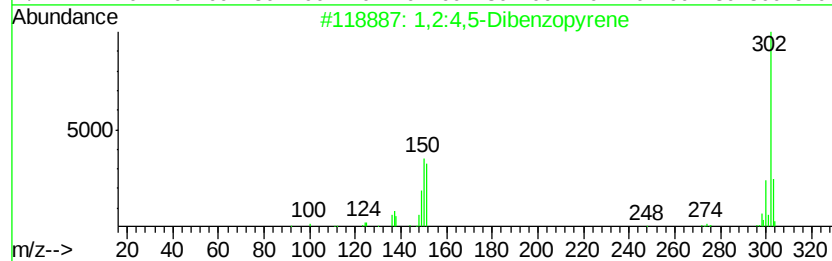
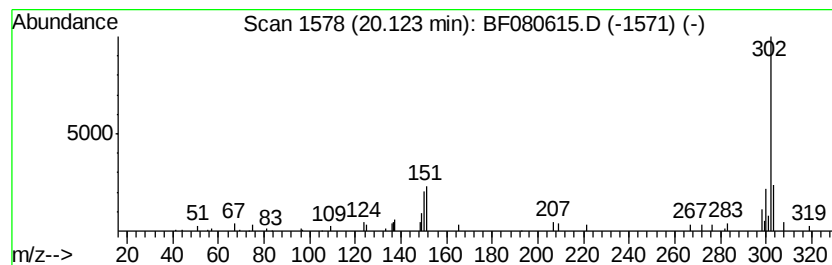
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	4.49 ng	167571	Perylene-d12	15.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	81
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	81
3		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	70
4		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	68
5		Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

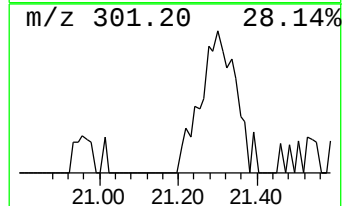
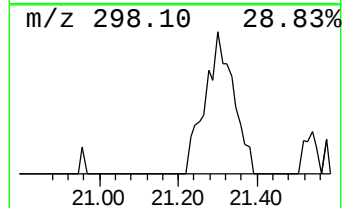
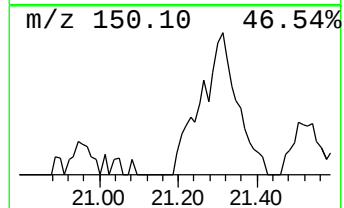
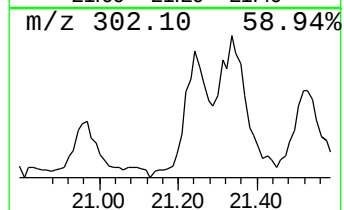
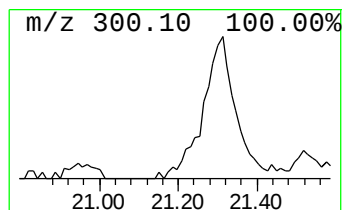
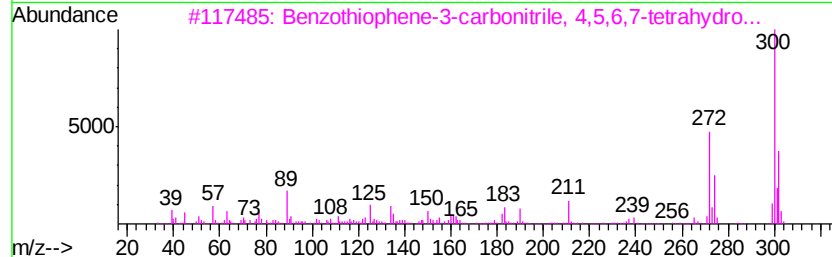
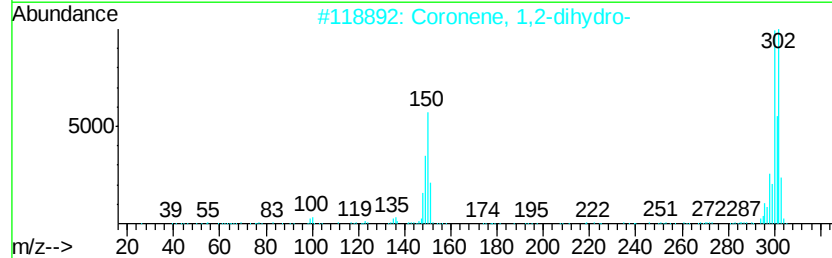
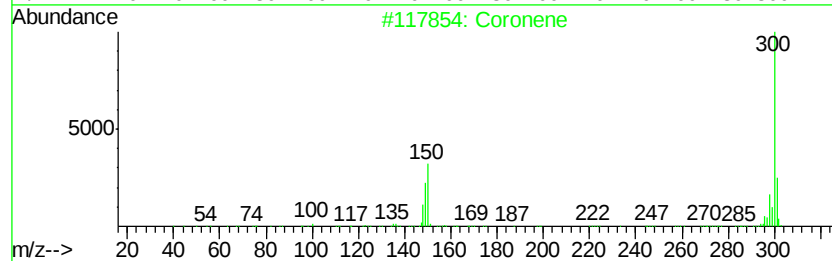
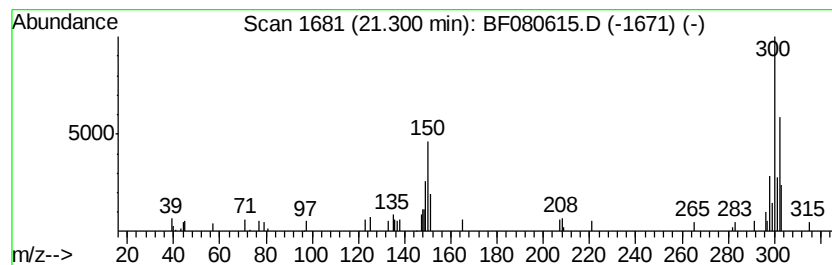
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Coronene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	3.76 ng	140225	Perylene-d12	15.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Coronene	300	C24H12	000191-07-1	58
2		Coronene, 1,2-dihydro-	302	C24H14	107716-56-3	43
3		Benzothiophene-3-carbonitrile, 4...	300	C16H13ClN2S	069438-07-9	38
4		Pyrazine, 2,5-bis(4-chlorophenyl)-	300	C16H10Cl2N2	074376-33-3	38
5		4-Formyl-2-methoxyphenyl 5-formy...	300	C16H12O6	1000242-81-0	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
 Data File : BF080615.D
 Acq On : 24 Jul 2015 3:00
 Operator : TP/UM
 Sample : G3070-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.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...	5.10	36.8	ng	477577	1	6.94	259538	20.0
unknown6.70	6.70	98.9	ng	1282960	1	6.94	259538	20.0
Benzenethiol, 2,5...	9.04	17.2	ng	262277	2	8.24	305709	20.0
unknown11.34	11.34	3.7	ng	79884	4	11.48	435969	20.0
Dibenzothiophene	11.38	4.0	ng	88056	4	11.48	435969	20.0
Phenanthrene, 1-m...	11.98	7.1	ng	155325	4	11.48	435969	20.0
Phenanthrene, 2-m...	12.01	8.7	ng	189631	4	11.48	435969	20.0
4H-Cyclopenta[def...	12.10	14.1	ng	307539	4	11.48	435969	20.0
1,2,4,8-Tetrameth...	12.28	10.3	ng	224824	4	11.48	435969	20.0
Diazene, bis(2-ch...	12.41	21.4	ng	466335	4	11.48	435969	20.0
3-Chloropropionic...	12.53	10.4	ng	225994	4	11.48	435969	20.0
Phenanthrene, 9-m...	12.85	4.0	ng	86179	4	11.48	435969	20.0
unknown14.85	14.85	4.9	ng	200979	5	14.24	824547	20.0
2-Naphthalenol, 1...	16.37	4.1	ng	152467	6	15.86	745967	20.0
10-Bromo-1,2,3,4-...	17.20	4.0	ng	147439	6	15.86	745967	20.0
1,2:4,5-Dibenzopy...	20.12	4.5	ng	167571	6	15.86	745967	20.0
Coronene	21.30	3.8	ng	140225	6	15.86	745967	20.0