

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
 Data File : BF087754.D
 Acq On : 6 Jun 2016 16:13
 Operator : UM/SJ
 Sample : H3267-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-1491(0-4)

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-BF060416.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	1.690	6	9	12	rVB	3678524	5360991	100.00%	5.431%
2	1.770	14	16	25	rVV	123749	252939	4.72%	0.256%
3	1.895	25	27	43	rVB	1443263	2363120	44.08%	2.394%
4	2.101	43	45	61	rVB	92923	204478	3.81%	0.207%
5	5.027	299	301	306	rBV	296420	486226	9.07%	0.493%
6	5.450	335	338	340	rBV	2298211	2482264	46.30%	2.515%
7	6.490	425	429	431	rBV	2117574	2901091	54.11%	2.939%
8	6.616	437	440	443	rBV	2264930	2452445	45.75%	2.485%
9	6.845	458	460	463	rBV	575254	717103	13.38%	0.726%
10	7.005	472	474	477	rVB	1999980	2002623	37.36%	2.029%
11	7.416	507	510	512	rBV	1648286	1645874	30.70%	1.667%
12	8.136	570	573	575	rBV	1202437	1079043	20.13%	1.093%
13	9.210	664	667	669	rBV	2366361	2649960	49.43%	2.685%
14	9.611	700	702	704	rBV	494771	508543	9.49%	0.515%
15	9.748	712	714	716	rBV	1003754	836664	15.61%	0.848%
16	9.885	724	726	728	rVV	950348	974588	18.18%	0.987%
17	10.331	763	765	767	rVV2	102840	181018	3.38%	0.183%
18	10.548	781	784	786	rVV	116336	197843	3.69%	0.200%
19	10.616	786	790	792	rVV4	77906	184454	3.44%	0.187%
20	10.673	792	795	797	rVB	1535878	1467028	27.36%	1.486%
21	10.799	802	806	809	rBV3	279553	541251	10.10%	0.548%
22	10.982	820	822	825	rBV4	77397	154219	2.88%	0.156%
23	11.131	831	835	837	rBV2	170965	252316	4.71%	0.256%
24	11.371	854	856	857	rBV	917571	931715	17.38%	0.944%
25	11.394	857	858	860	rVB	985491	699219	13.04%	0.708%
26	11.439	860	862	864	rBV	695516	871527	16.26%	0.883%
27	11.474	864	865	867	rVB2	194887	179661	3.35%	0.182%
28	11.599	873	876	877	rBV	221376	257019	4.79%	0.260%
29	11.874	897	900	901	rBV	370650	420315	7.84%	0.426%
30	11.896	901	902	904	rVB	573258	494229	9.22%	0.501%
31	11.942	904	906	908	rBV	378649	383832	7.16%	0.389%
32	11.976	908	909	914	rVB	628255	1150139	21.45%	1.165%
33	12.171	921	926	931	rVB4	228645	657943	12.27%	0.667%
34	12.319	936	939	940	rBV2	165683	282567	5.27%	0.286%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
 Data File : BF087754.D
 Acq On : 6 Jun 2016 16:13
 Operator : UM/SJ
 Sample : H3267-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-1491(0-4)

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-BF060416.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.342	940	941	942	rBV	257034	239748	4.47%	0.243%
36	12.422	945	948	950	rBV	854406	1150278	21.46%	1.165%
37	12.457	950	951	954	rVB2	426155	605052	11.29%	0.613%
38	12.502	954	955	960	rBV3	391750	595237	11.10%	0.603%
39	12.594	960	963	965	rBV	3178908	4081423	76.13%	4.135%
40	12.628	965	966	969	rBV3	140246	270753	5.05%	0.274%
41	12.674	969	970	972	rVB	392261	326578	6.09%	0.331%
42	12.731	972	975	976	rBV2	198533	393793	7.35%	0.399%
43	12.822	979	983	985	rBV2	3140839	4889330	91.20%	4.953%
44	12.868	985	987	989	rVB2	391783	552678	10.31%	0.560%
45	12.925	989	992	993	rBV	437045	544937	10.16%	0.552%
46	12.959	993	995	998	rVB	2004286	2153518	40.17%	2.182%
47	13.028	998	1001	1005	rBV3	742316	1331010	24.83%	1.348%
48	13.142	1005	1011	1012	rVB2	681154	1825342	34.05%	1.849%
49	13.199	1012	1016	1018	rBV3	409517	778644	14.52%	0.789%
50	13.245	1018	1020	1021	rBV2	897722	1027266	19.16%	1.041%
51	13.302	1023	1025	1026	rVV	158946	146960	2.74%	0.149%
52	13.337	1026	1028	1029	rVB	720081	611263	11.40%	0.619%
53	13.359	1029	1030	1032	rBV	429844	537958	10.03%	0.545%
54	13.451	1036	1038	1040	rVB2	129974	178835	3.34%	0.181%
55	13.542	1042	1046	1049	rBV4	239150	647172	12.07%	0.656%
56	13.645	1051	1055	1057	rBV	918536	1080657	20.16%	1.095%
57	13.702	1059	1060	1062	rVB	210976	205703	3.84%	0.208%
58	13.748	1062	1064	1066	rBV2	600236	1031971	19.25%	1.045%
59	13.805	1068	1069	1072	rVV2	470537	724389	13.51%	0.734%
60	13.851	1072	1073	1075	rVV	618804	664469	12.39%	0.673%
61	13.999	1083	1086	1088	rVV2	2285638	4576632	85.37%	4.637%
62	14.045	1088	1090	1093	rVV	2162245	3279680	61.18%	3.323%
63	14.114	1093	1096	1097	rVV2	449250	917956	17.12%	0.930%
64	14.148	1097	1099	1100	rVV2	522034	813250	15.17%	0.824%
65	14.217	1104	1105	1108	rVV3	355863	832243	15.52%	0.843%
66	14.262	1108	1109	1113	rVV	449582	888753	16.58%	0.900%
67	14.320	1113	1114	1116	rVV2	269318	452344	8.44%	0.458%
68	14.354	1116	1117	1118	rVV	386489	469101	8.75%	0.475%
69	14.400	1118	1121	1122	rVV	861953	1579334	29.46%	1.600%
70	14.422	1122	1123	1125	rVV2	622435	931397	17.37%	0.944%
71	14.480	1125	1128	1130	rVV3	468915	1201865	22.42%	1.218%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
 Data File : BF087754.D
 Acq On : 6 Jun 2016 16:13
 Operator : UM/SJ
 Sample : H3267-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-1491(0-4)

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-BF060416.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.514	1130	1131	1135	rVV3	655685	1362082	25.41%	1.380%
73	14.582	1135	1137	1140	rVV3	287424	674855	12.59%	0.684%
74	14.640	1140	1142	1144	rVV	198665	347120	6.47%	0.352%
75	14.697	1144	1147	1148	rVV	282871	574659	10.72%	0.582%
76	14.777	1152	1154	1155	rVV	211218	402052	7.50%	0.407%
77	14.868	1159	1162	1166	rVV3	331898	1021822	19.06%	1.035%
78	14.937	1166	1168	1171	rVV2	211756	435243	8.12%	0.441%
79	15.040	1173	1177	1181	rVV	1800298	4232604	78.95%	4.288%
80	15.131	1184	1185	1187	rVV	568534	627901	11.71%	0.636%
81	15.234	1191	1194	1196	rBV3	131066	270490	5.05%	0.274%
82	15.280	1196	1198	1199	rVV	99254	142967	2.67%	0.145%
83	15.325	1199	1202	1205	rVV	1063234	1503524	28.05%	1.523%
84	15.383	1205	1207	1210	rVB	1250926	1792000	33.43%	1.815%
85	15.440	1210	1212	1213	rBV	471109	575654	10.74%	0.583%
86	15.474	1213	1215	1218	rVB2	395817	681106	12.70%	0.690%
87	15.600	1223	1226	1228	rBV3	102184	220275	4.11%	0.223%
88	15.771	1240	1241	1245	rVB	138657	217136	4.05%	0.220%
89	15.851	1245	1248	1250	rBV	97674	179941	3.36%	0.182%
90	15.897	1250	1252	1254	rBV	116568	192905	3.60%	0.195%
91	16.308	1286	1288	1292	rVB2	80760	136594	2.55%	0.138%
92	16.503	1303	1305	1314	rVB3	165776	525930	9.81%	0.533%
93	16.674	1315	1320	1326	rVB5	149676	507992	9.48%	0.515%
94	16.834	1330	1334	1337	rVB2	582406	1091554	20.36%	1.106%
95	16.994	1345	1348	1350	rBV	125048	236227	4.41%	0.239%
96	17.051	1350	1353	1355	rBV2	103396	173625	3.24%	0.176%
97	17.257	1366	1371	1376	rVB	435272	950430	17.73%	0.963%
98	17.463	1386	1389	1392	rBV	81481	152866	2.85%	0.155%
99	18.354	1464	1467	1474	rVB4	73466	248306	4.63%	0.252%
100	19.371	1551	1556	1564	rVB2	111460	469119	8.75%	0.475%

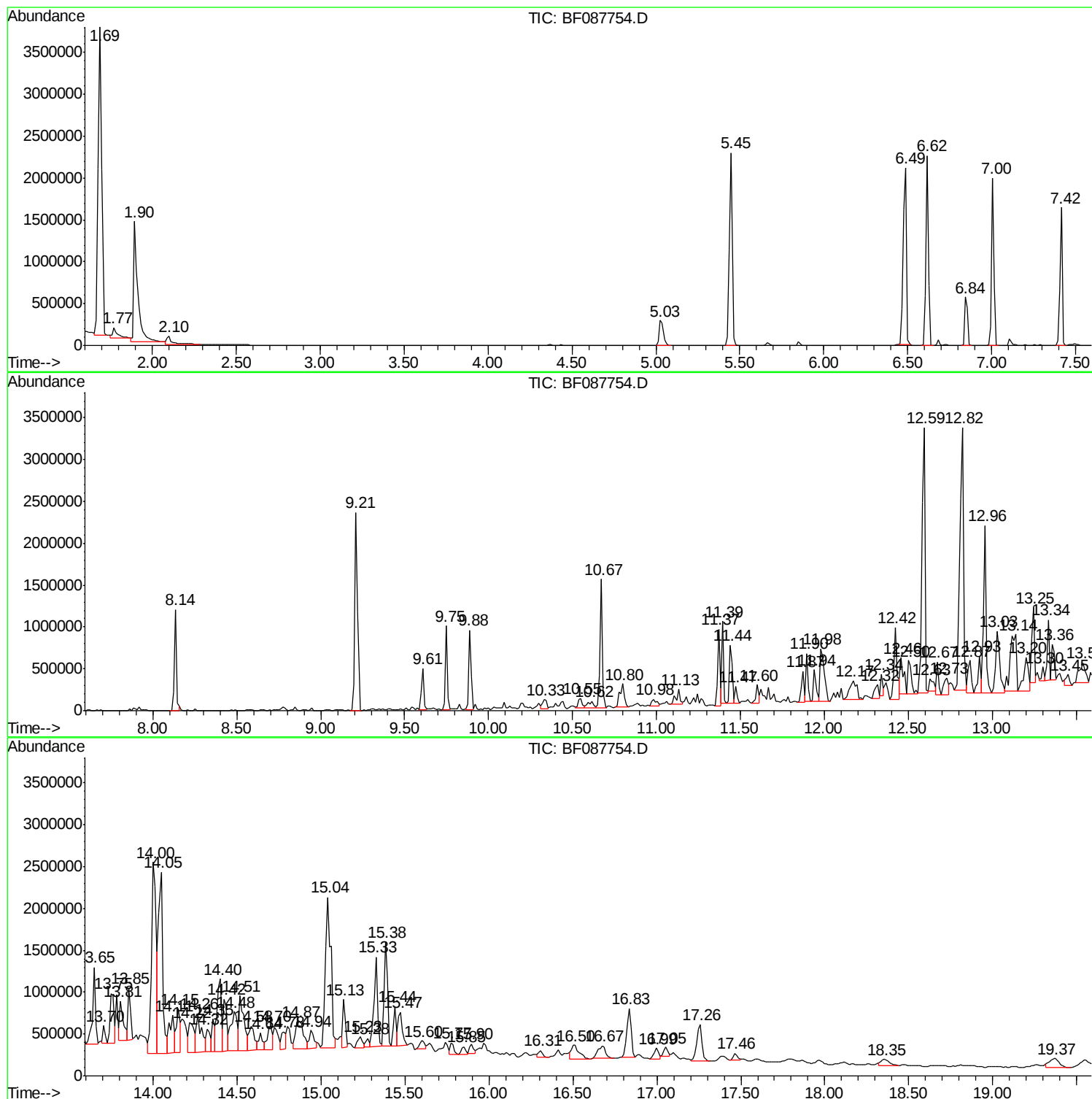
Sum of corrected areas: 98708745

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

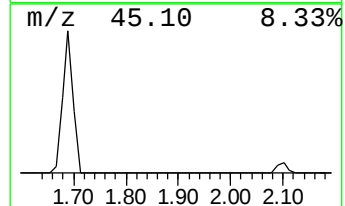
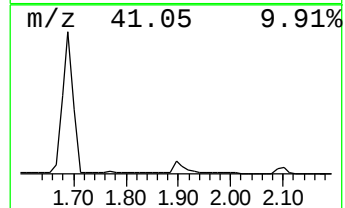
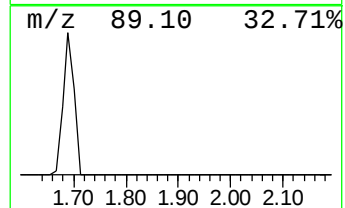
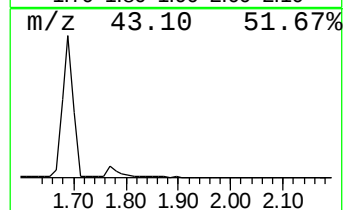
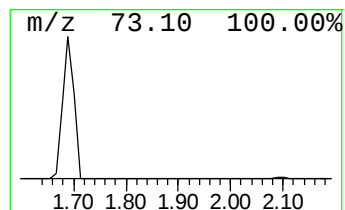
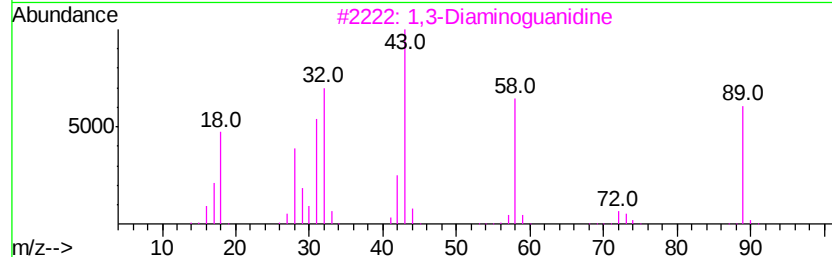
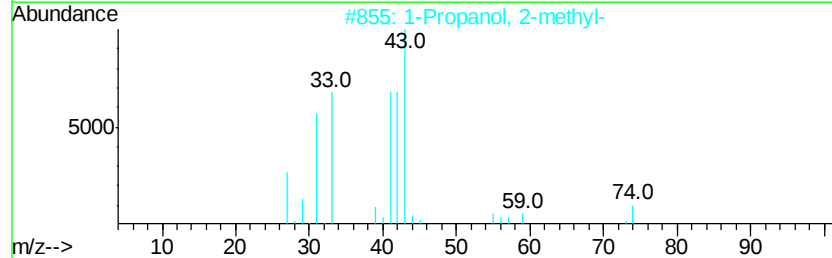
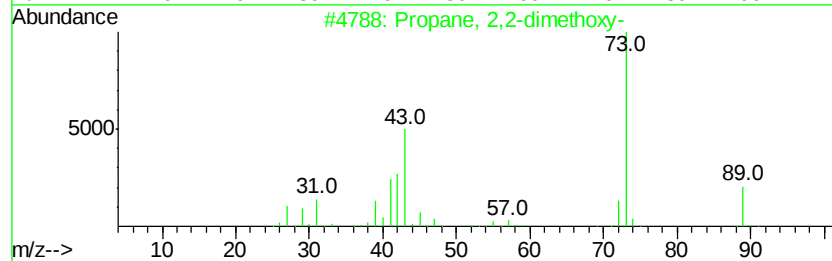
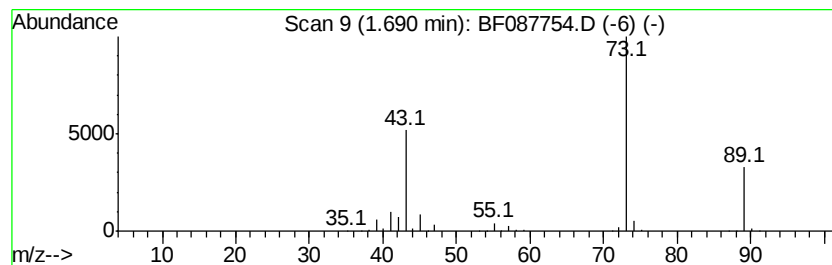
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown1.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.69	149.52 ng	5360990	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2		1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3		1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
4		Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5		2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

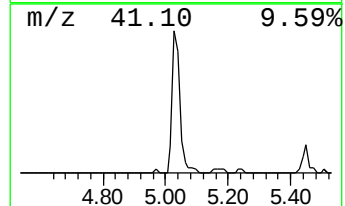
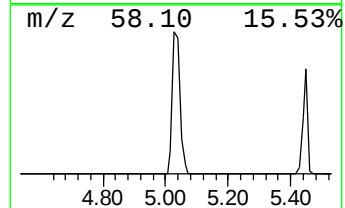
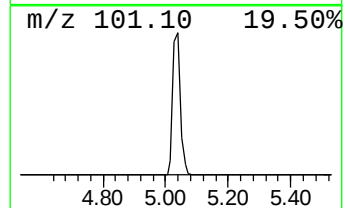
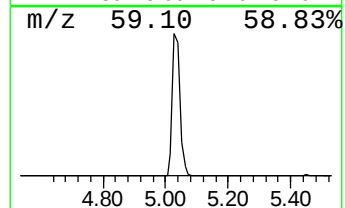
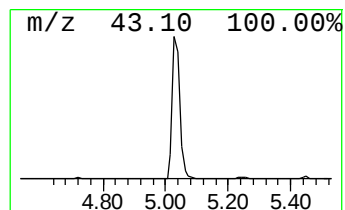
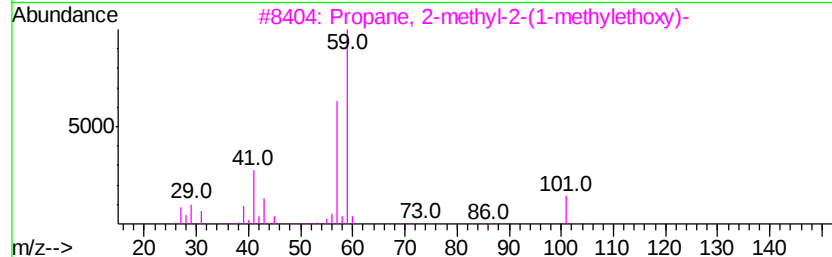
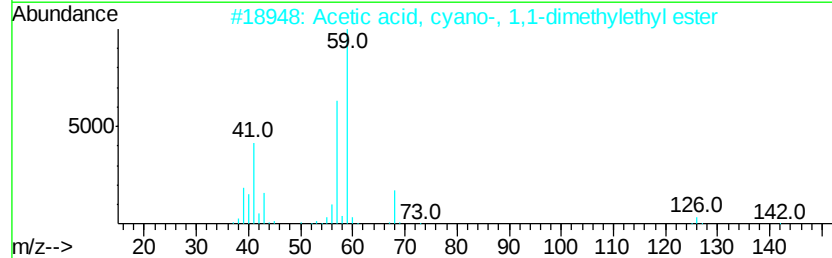
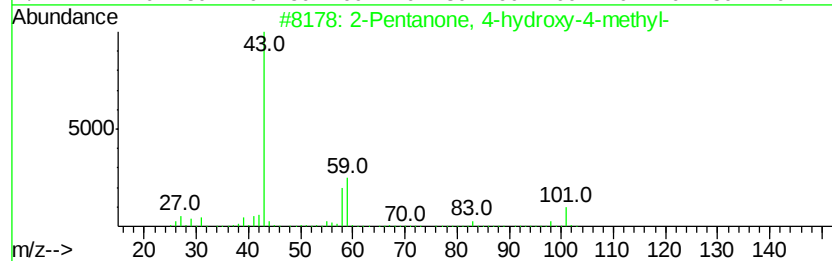
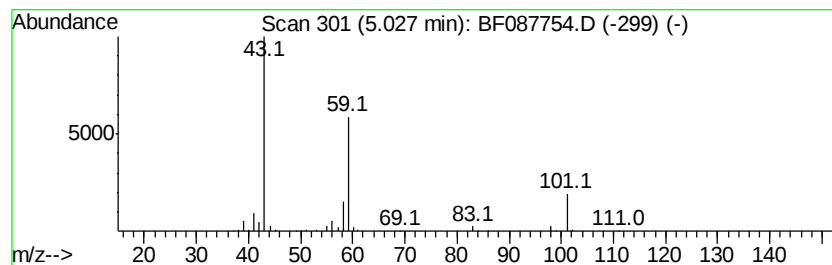
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	13.56 ng	486226	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
3		Propane, 2-methyl-2-(1-methylethyl-...	116	C7H16O	017348-59-3	23
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

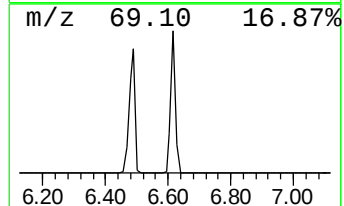
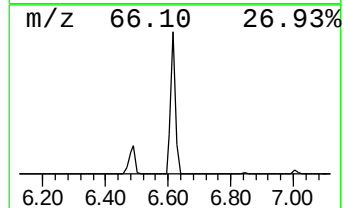
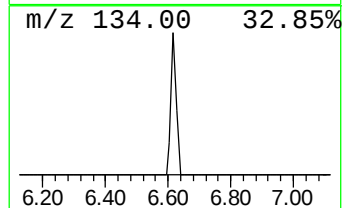
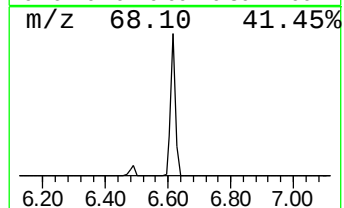
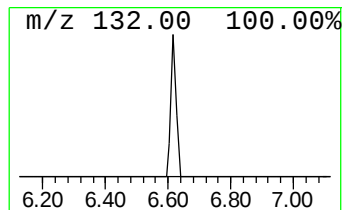
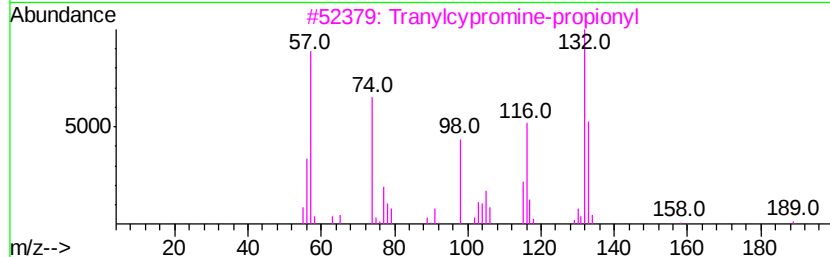
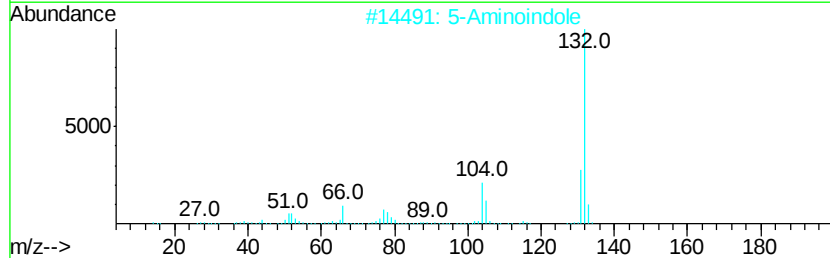
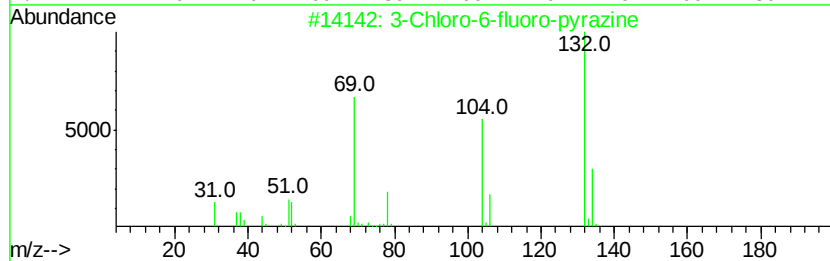
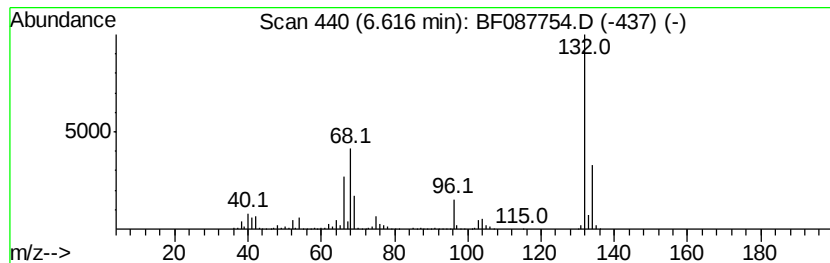
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	68.40 ng	2452450	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine			132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole			132	C8H8N2	005192-03-0	12
3	Tranvlcvpromine-propionyl			189	C12H15NO	1000123-86-3	10
4	1-Methylpyrrolo[1,2-a]pyrazine			132	C8H8N2	064608-59-9	9
5	4-Methylpyrrolo[1,2-a]pyrazine			132	C8H8N2	064608-60-2	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

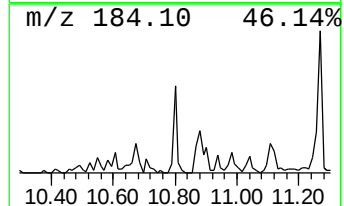
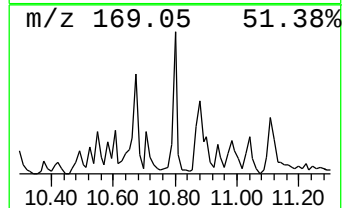
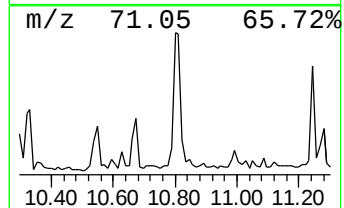
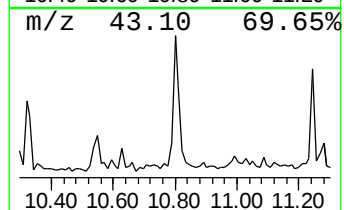
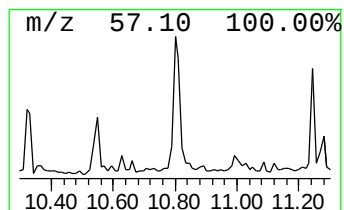
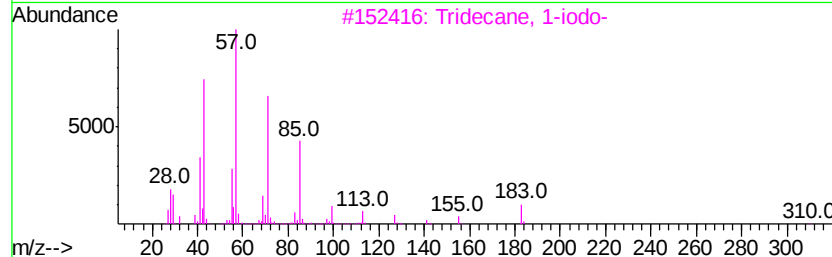
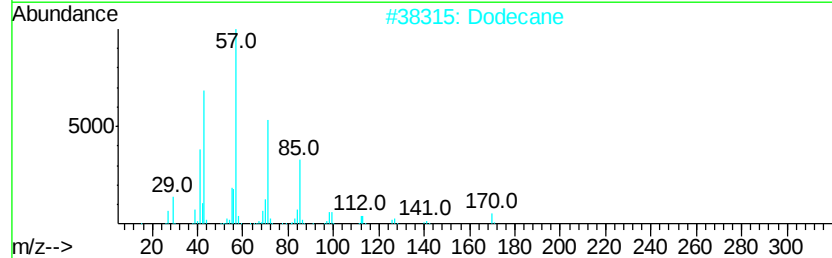
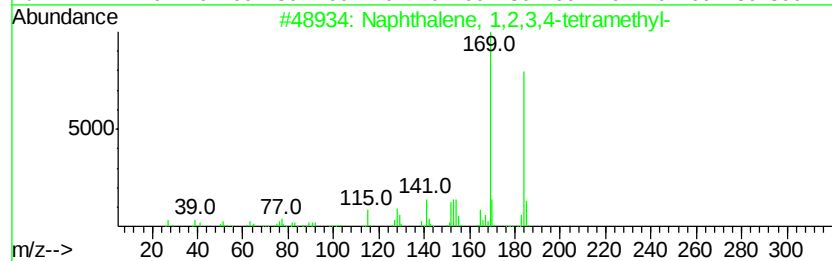
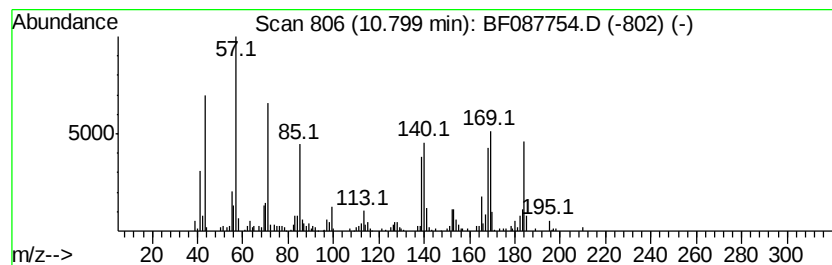
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown10.80 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	11.62 ng	541251	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	47
2		Dodecane	170	C12H26	000112-40-3	35
3		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	18
4		Octacosane	394	C28H58	000630-02-4	15
5		Heneicosane	296	C21H44	000629-94-7	15



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

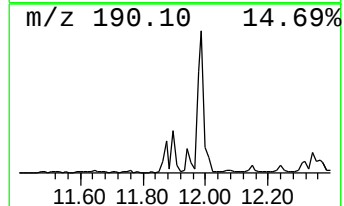
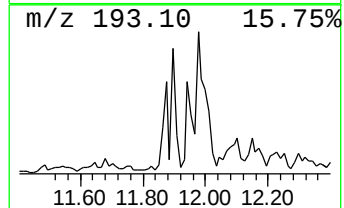
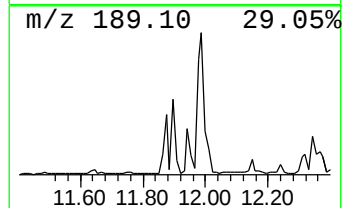
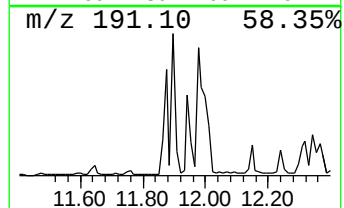
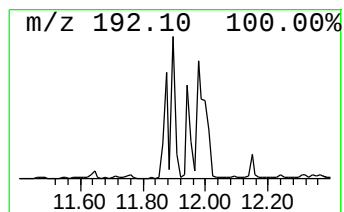
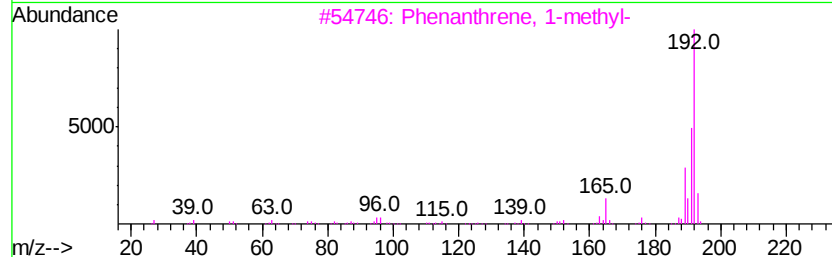
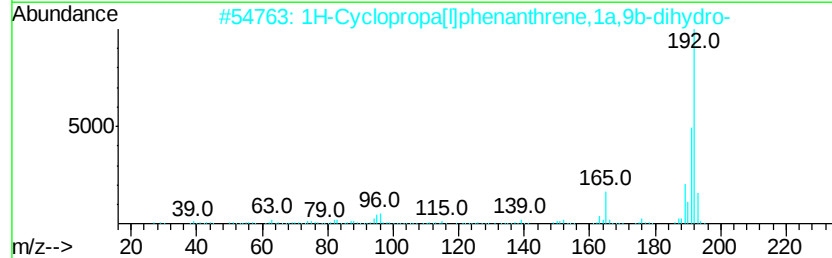
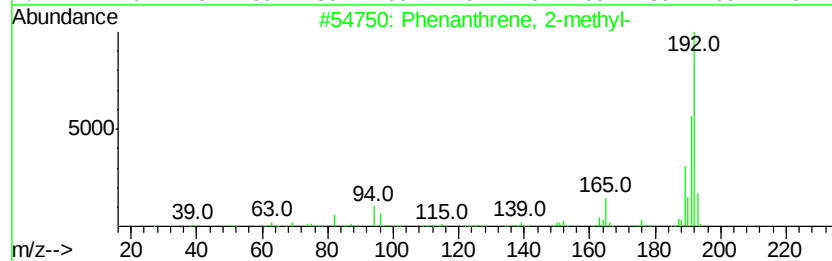
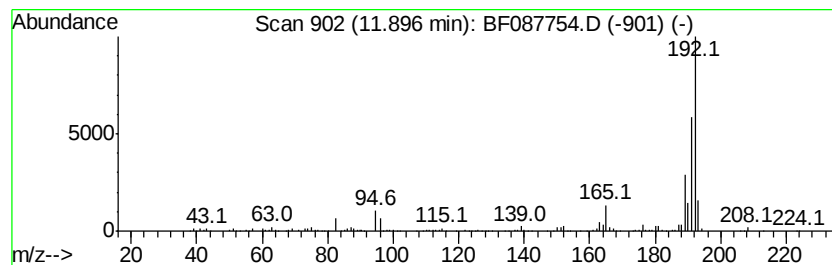
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	10.61 ng	494229	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

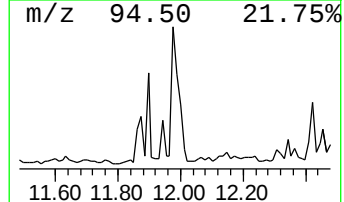
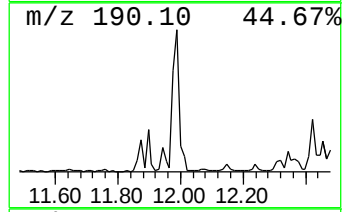
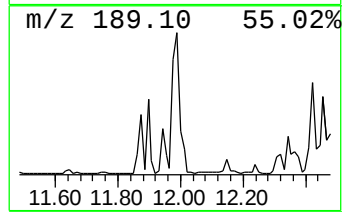
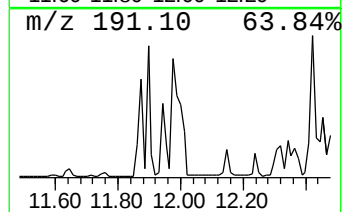
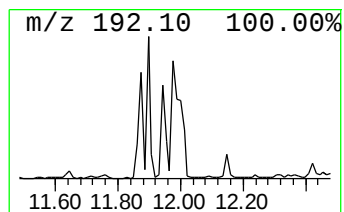
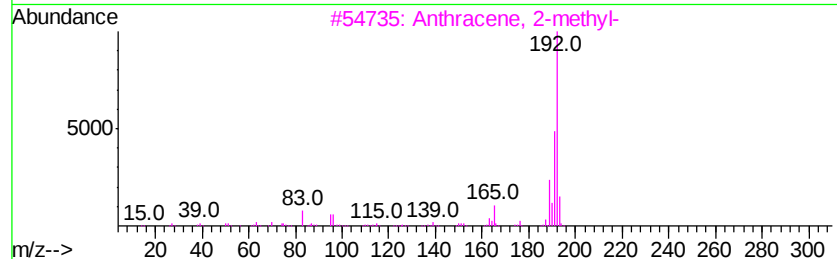
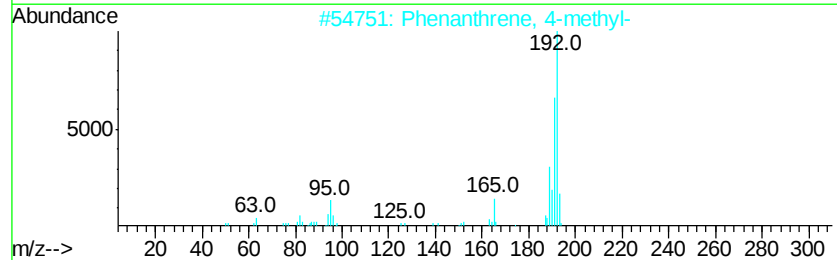
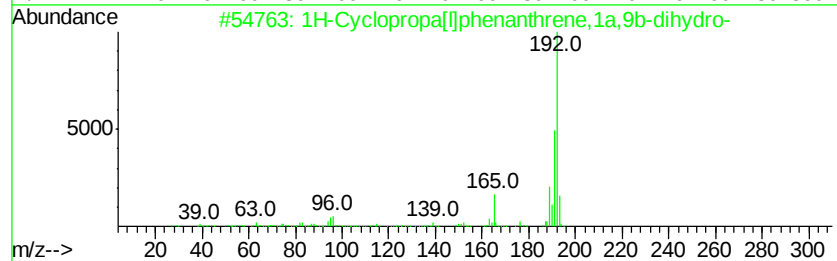
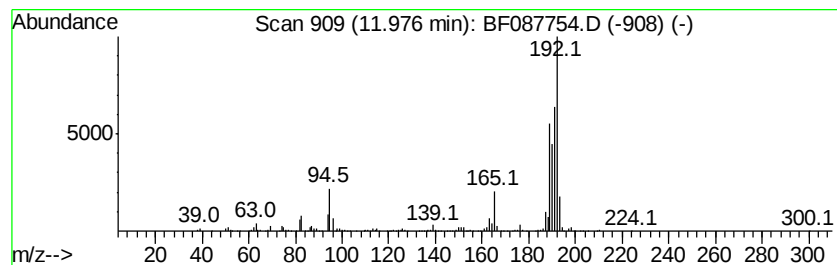
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	24.69 ng	1150140	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	91
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

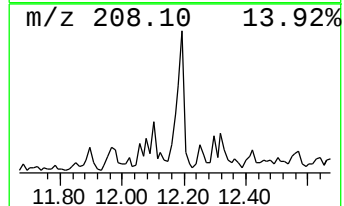
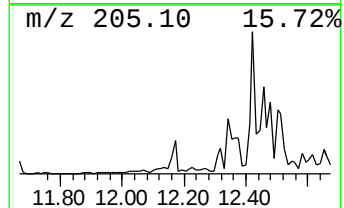
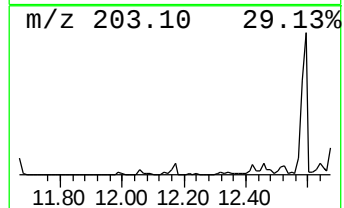
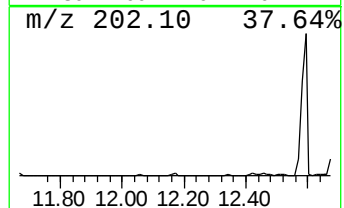
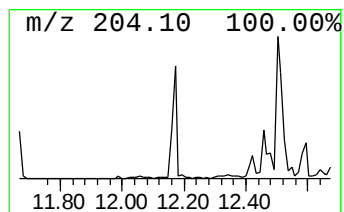
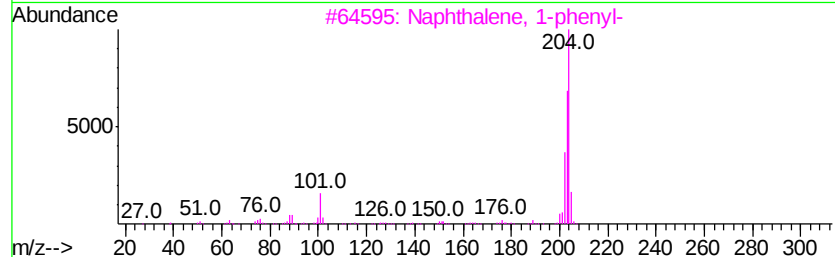
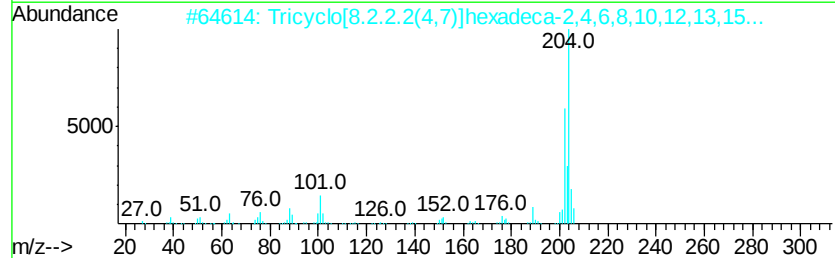
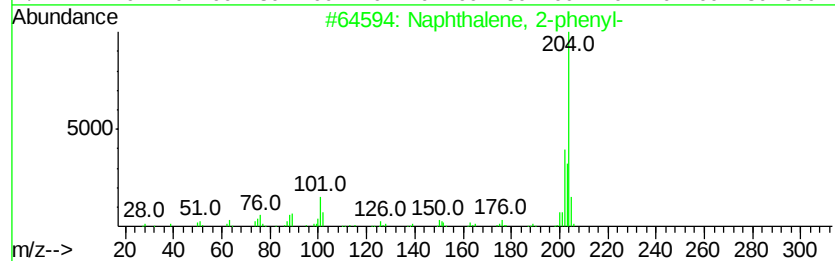
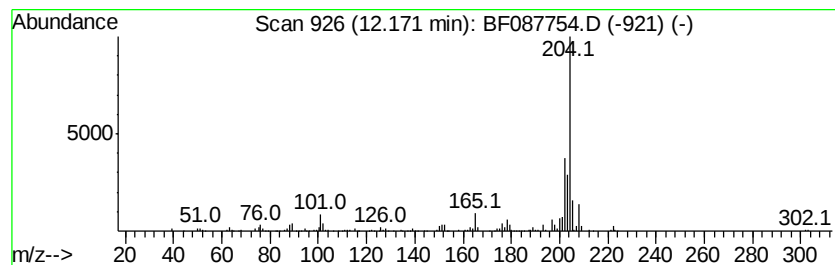
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	14.12 ng	657943	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
4		Levamisole	204	C11H12N2S	014769-73-4	50
5		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

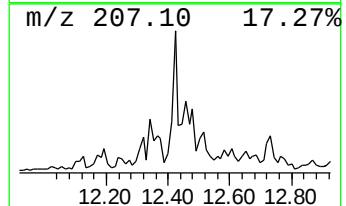
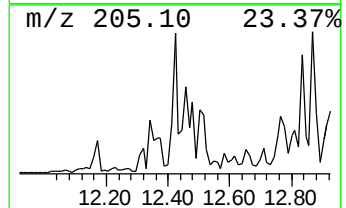
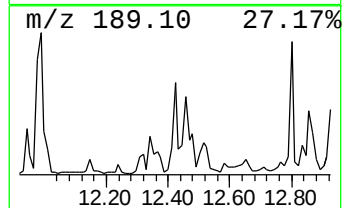
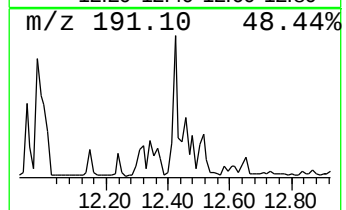
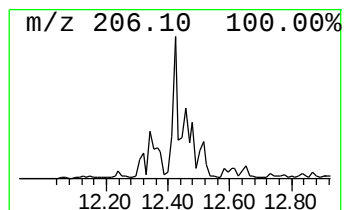
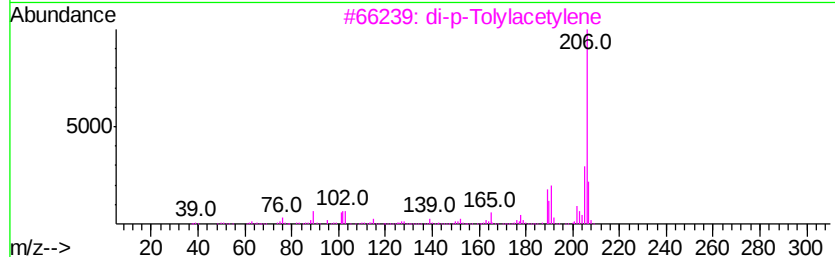
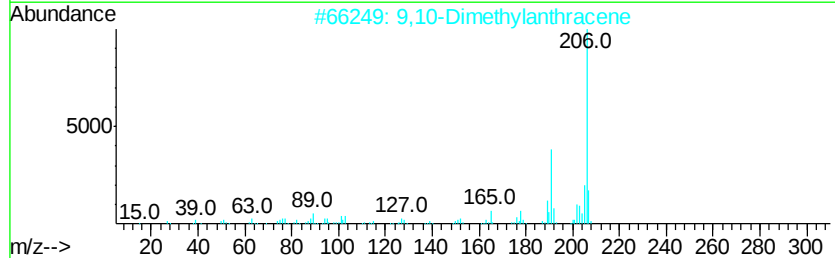
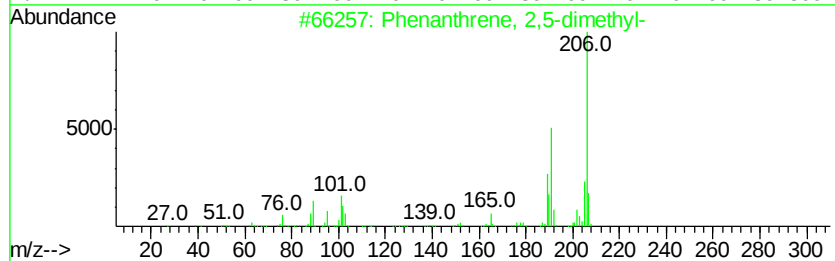
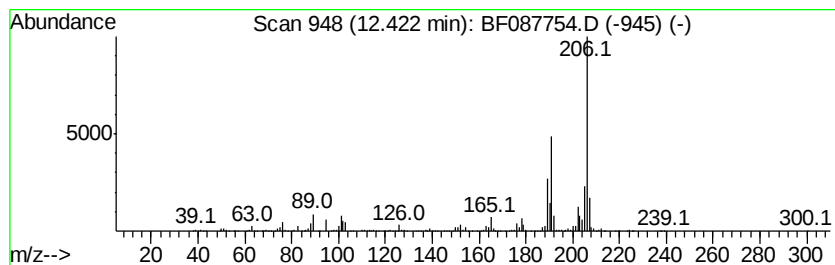
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	24.69 ng	1150280	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	95
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

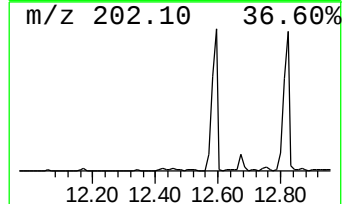
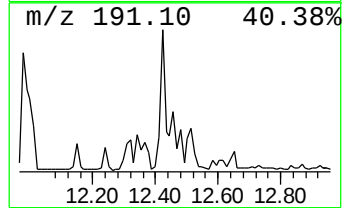
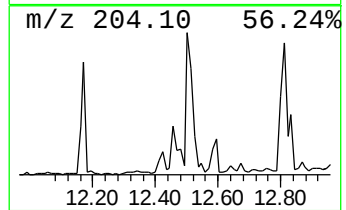
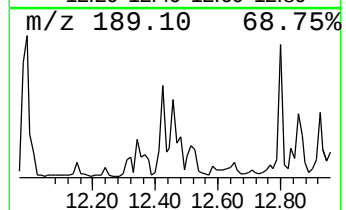
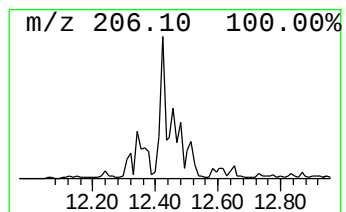
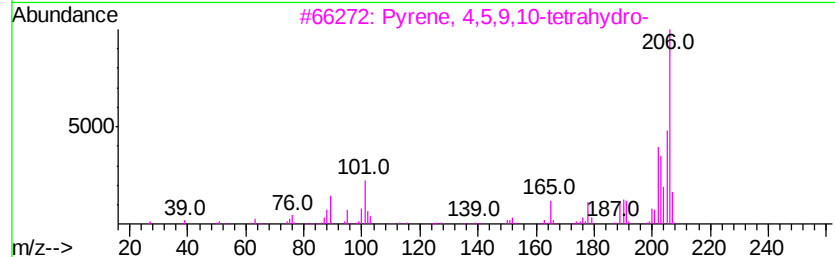
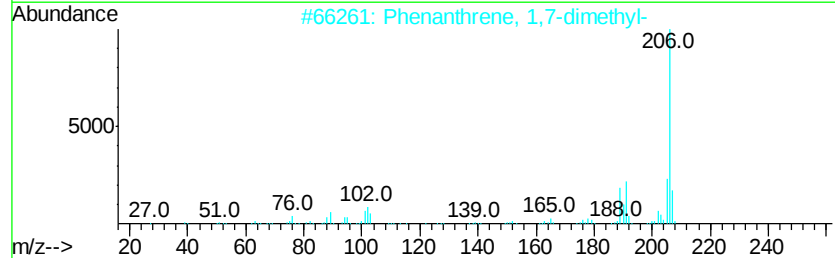
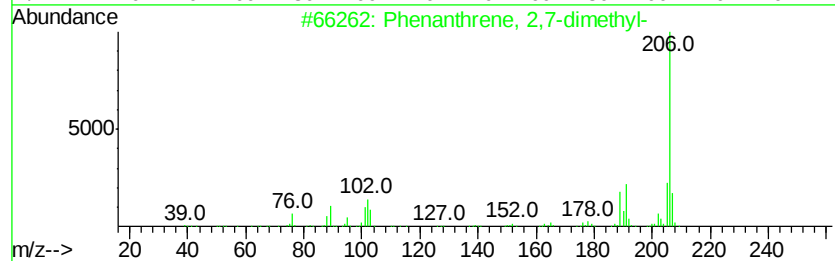
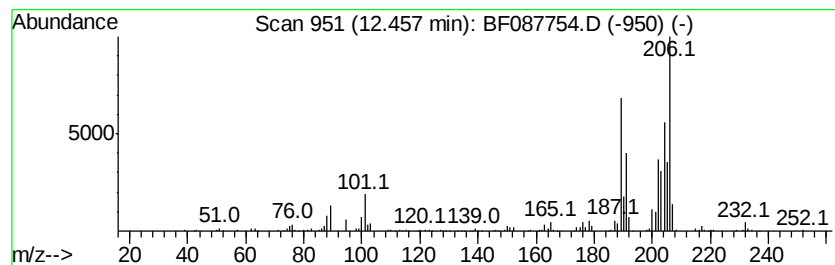
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 2,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	12.99 ng	605052	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	60
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	55
3		Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	50
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	49
5		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

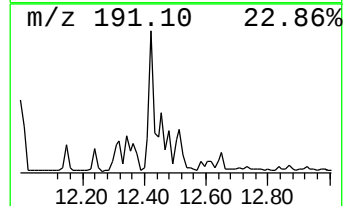
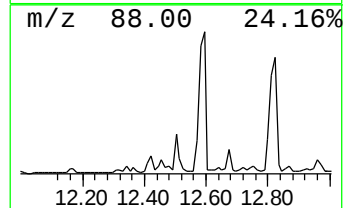
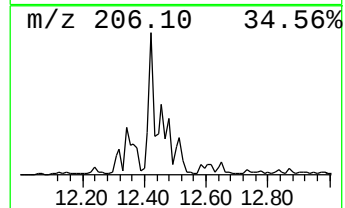
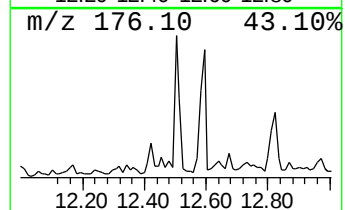
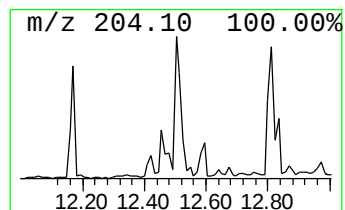
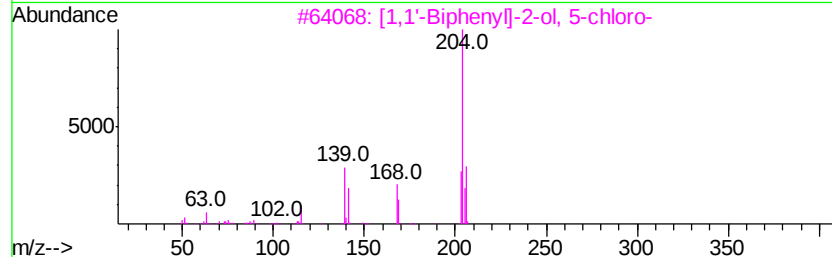
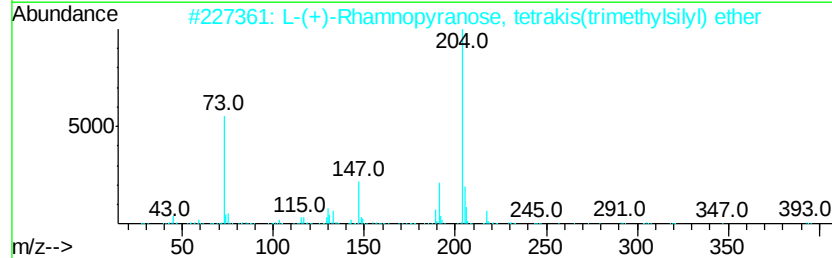
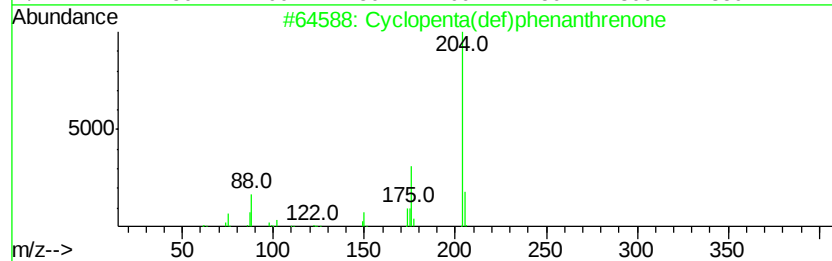
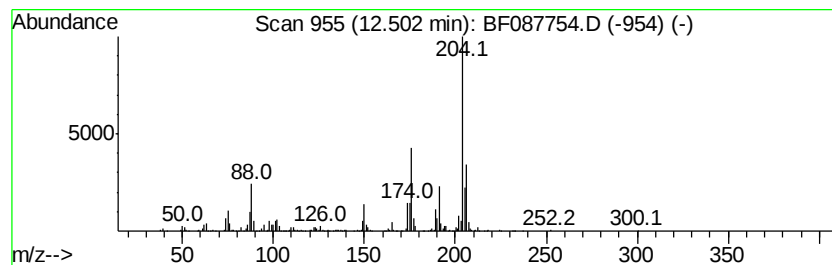
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	12.78 ng	595237	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
3		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SC-1491(0-4)

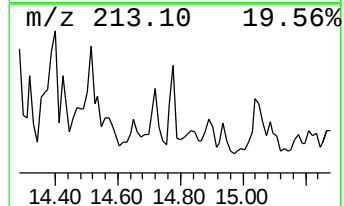
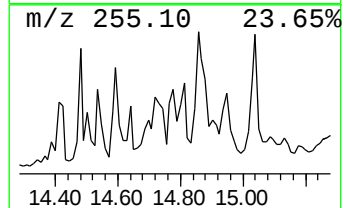
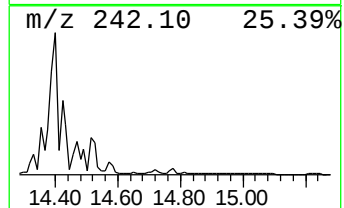
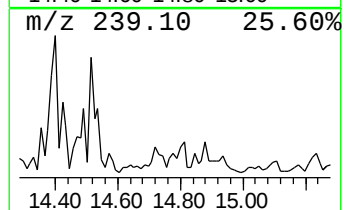
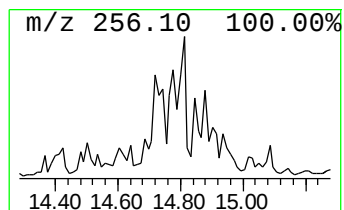
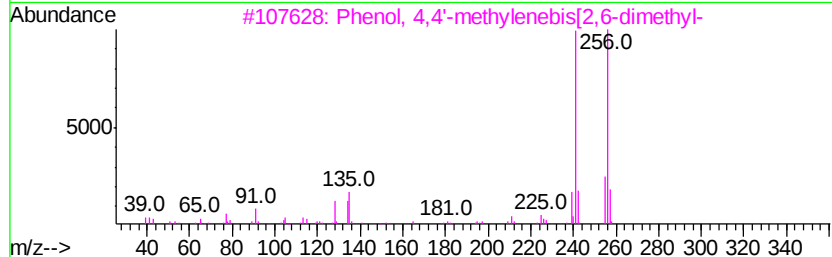
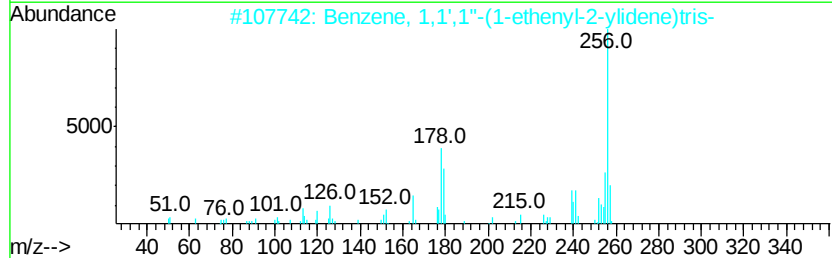
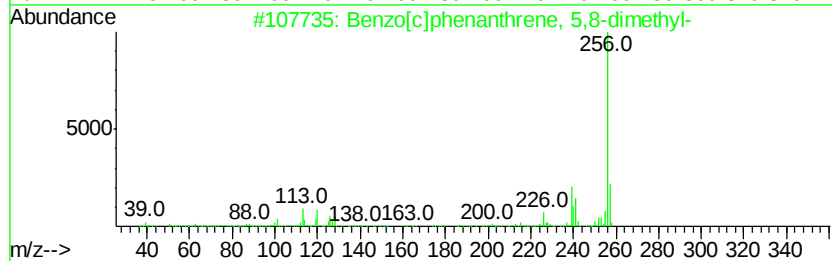
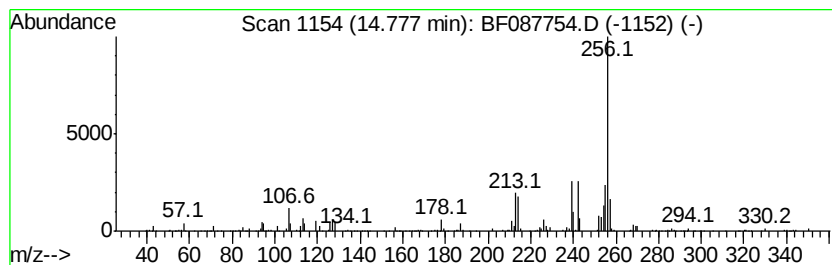
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	13.97 ng	402052	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	60
2		Benzene, 1,1',1''-(1-ethenyl-2-v...	256	C20H16	000058-72-0	58
3		Phenol, 4,4'-methylenebis[2,6-di...	256	C17H20O2	005384-21-4	52
4		4,12-Dimethylbenz[alanthracene	256	C20H16	035187-19-0	50
5		Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

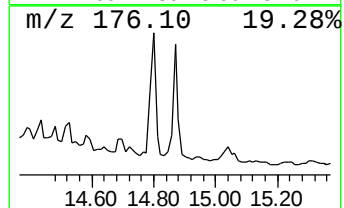
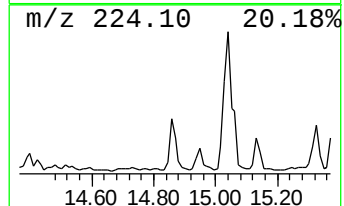
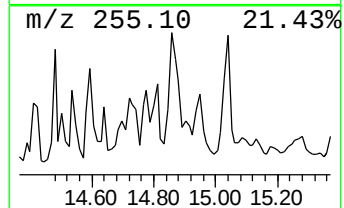
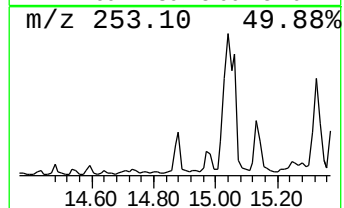
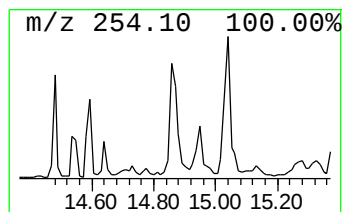
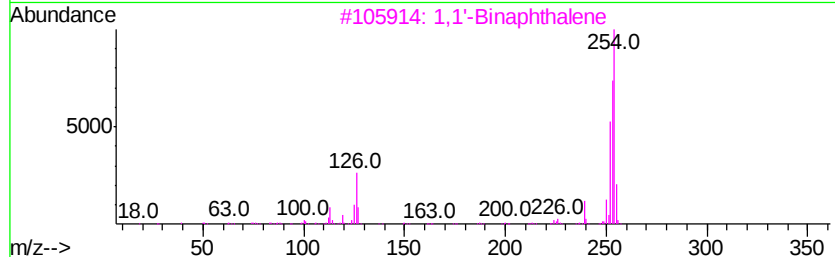
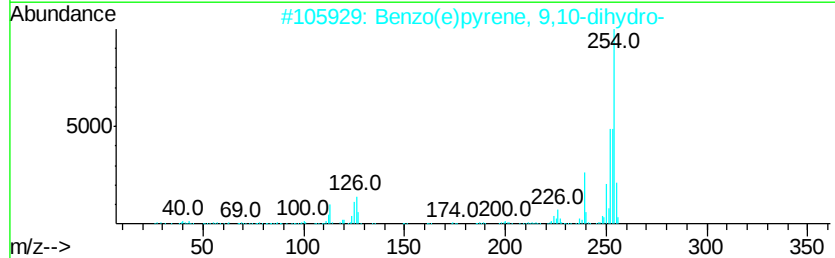
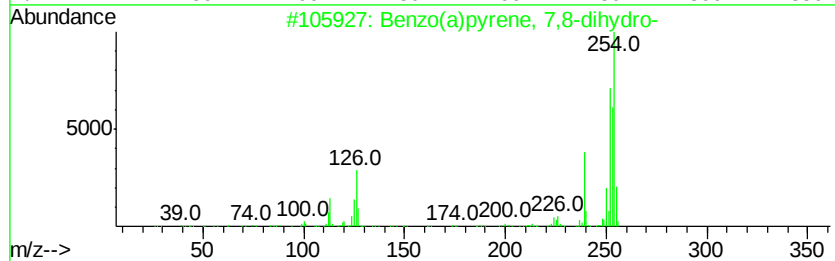
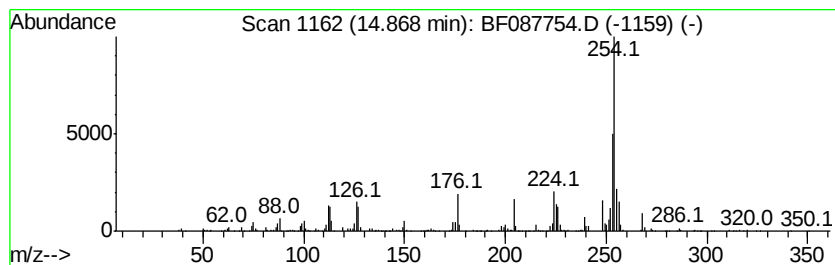
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Benzo(a)pyrene, 7,8-dihydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	35.50 ng	1021820	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	58
2		Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	58
3		1,1'-Binaphthalene	254	C20H14	000604-53-5	58
4		Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	53
5		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

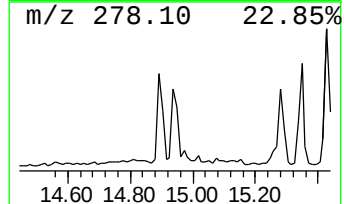
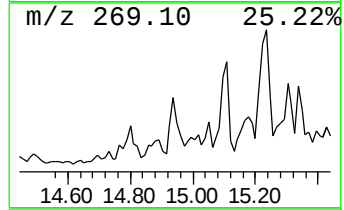
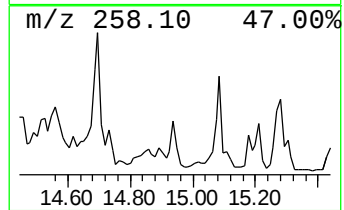
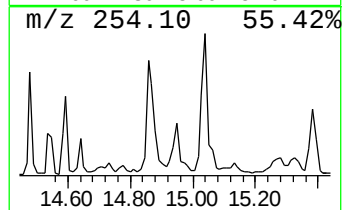
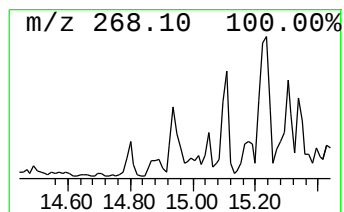
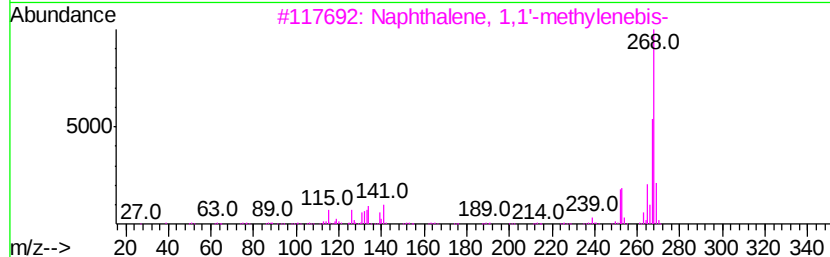
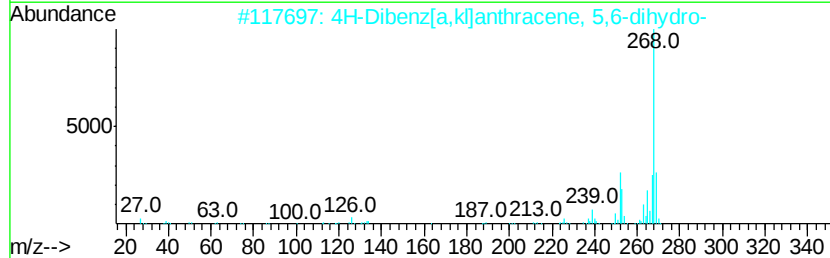
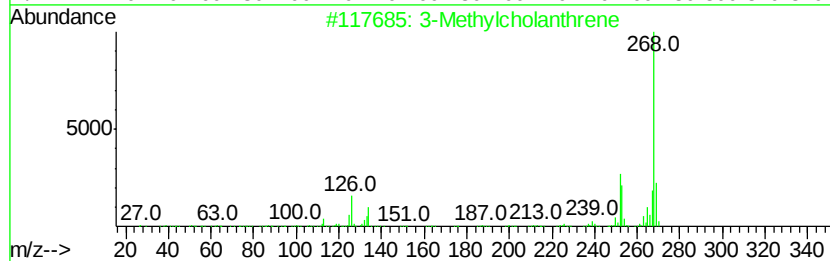
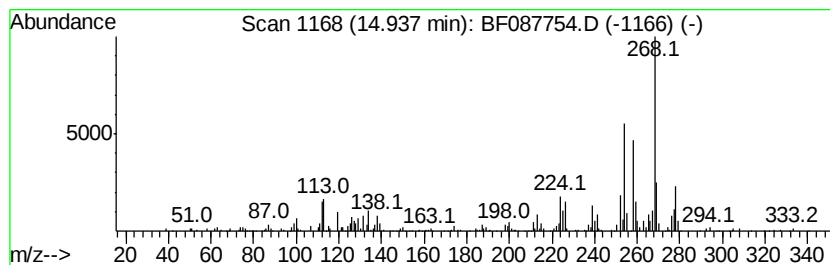
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown14.94 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	15.12 ng	435243	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Methylcholanthrene	268	C21H16	000056-49-5	41
2		4H-Dibenz[a,k]anthracene, 5,6-d...	268	C21H16	007198-87-0	38
3		Naphthalene, 1,1'-methylenebis-	268	C21H16	000607-50-1	38
4		9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	38
5		Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

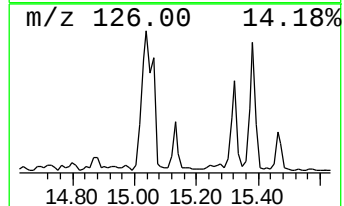
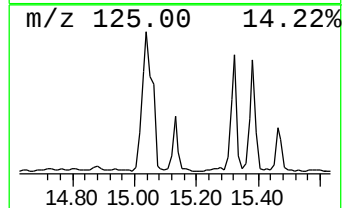
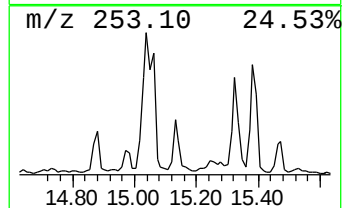
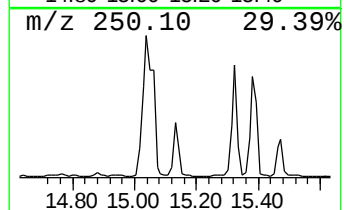
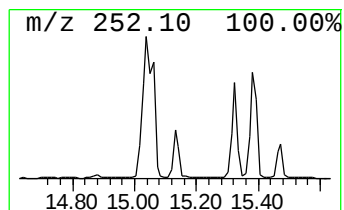
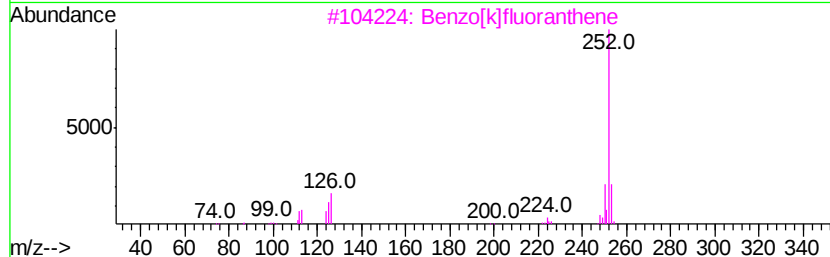
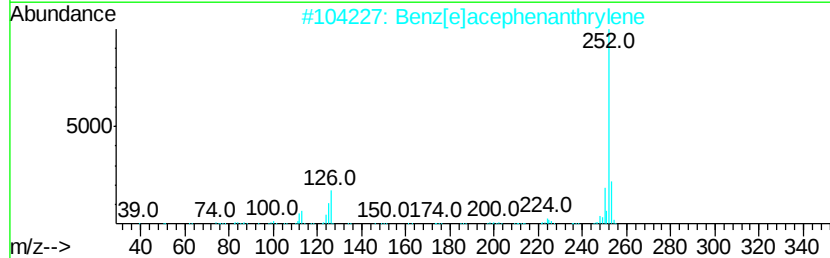
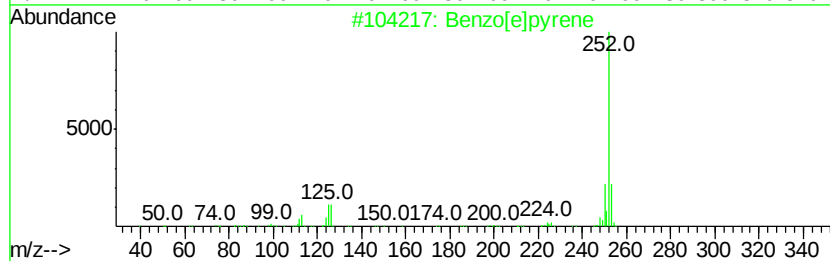
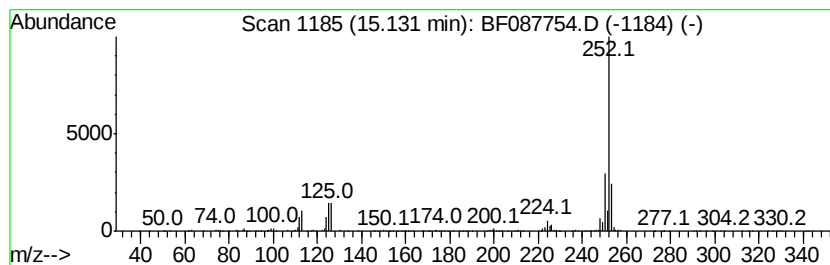
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	21.82 ng	627901	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	97
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

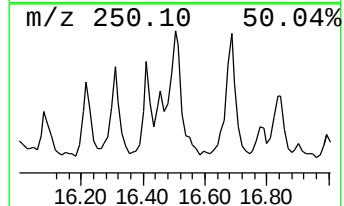
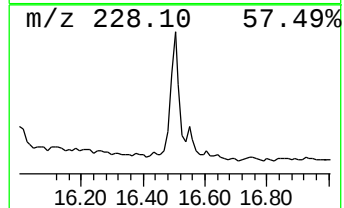
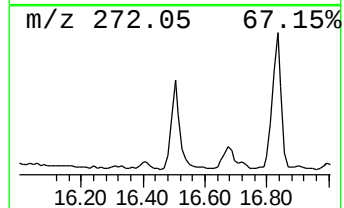
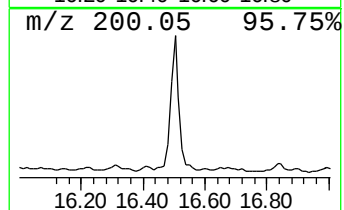
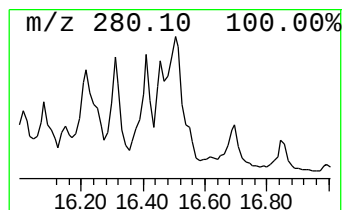
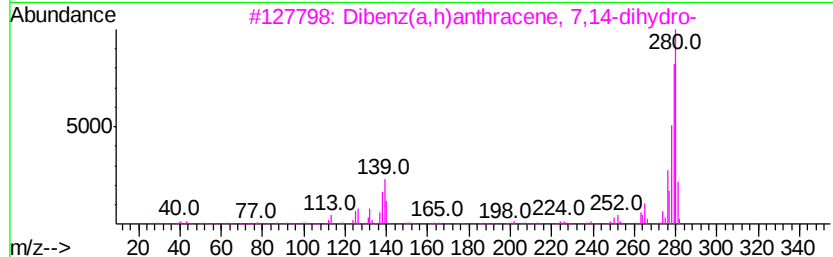
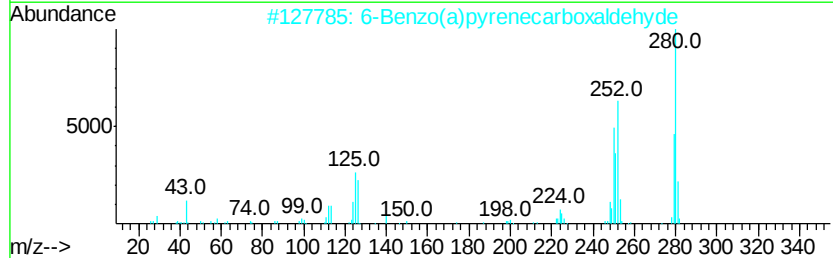
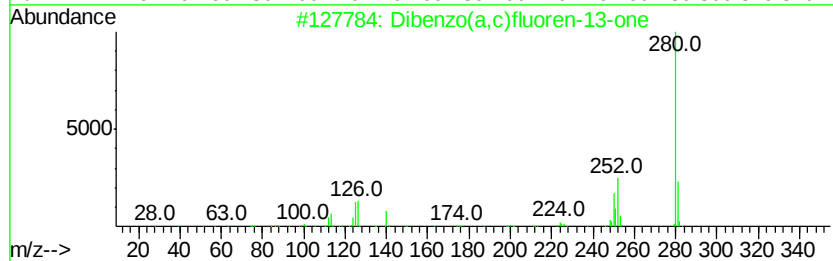
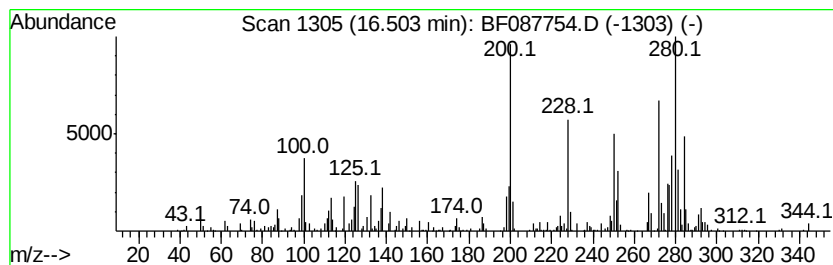
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 unknown16.50 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	18.27 ng	525930	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	47
2		6-Benzo(a)pyrenecarboxaldehyde	280	C21H12O	013312-42-0	20
3		Dibenz(a,h)anthracene, 7,14-dihydro-	280	C22H16	057816-08-7	18
4		7H-Indeno[2,1-a]anthracen-7-one	280	C21H12O	027582-45-2	18
5		Dibenz[a,h]anthracene, 5,6-dihydro-	280	C22H16	000153-34-4	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

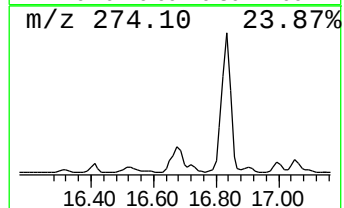
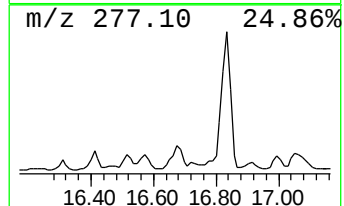
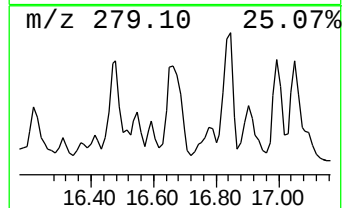
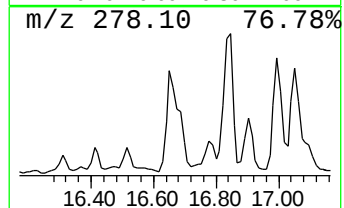
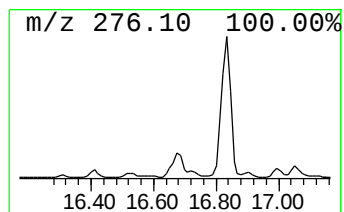
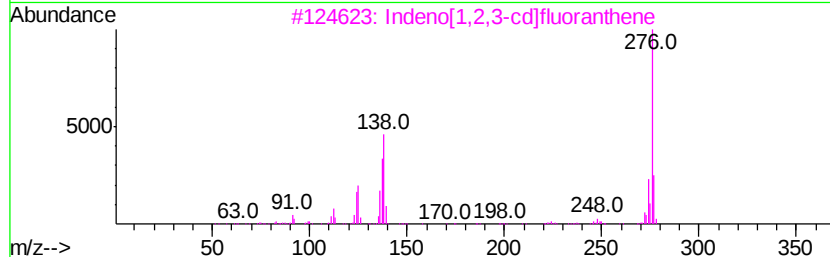
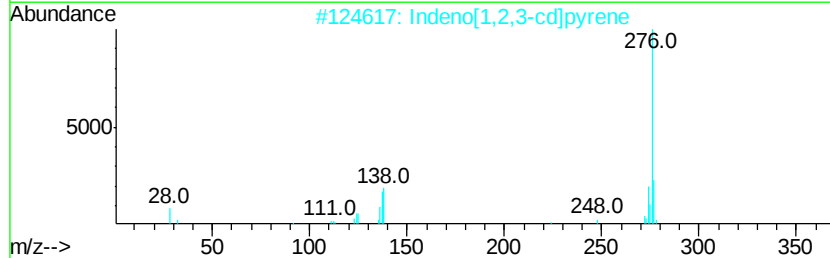
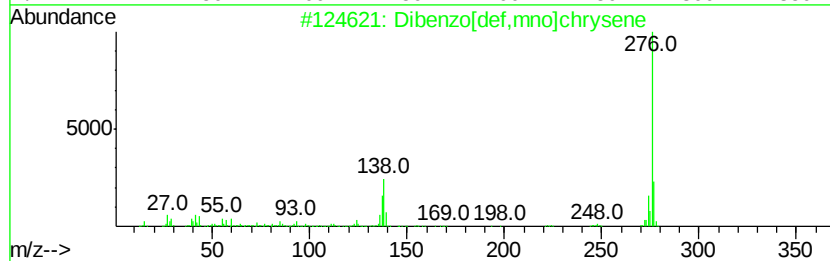
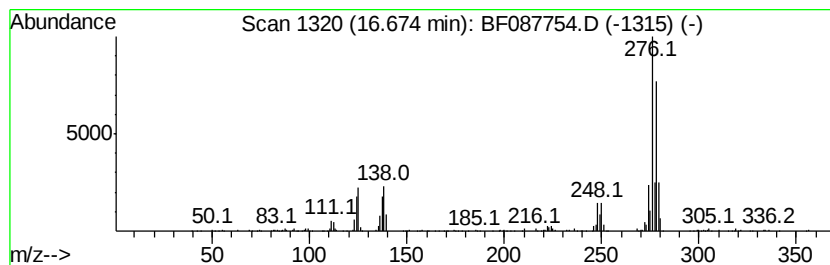
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	17.65 ng	507992	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	86
2		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	83
3		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	50
4		Benzo[ghi]perylene	276	C22H12	000191-24-2	46
5		Pyrene, 1-phenyl-	278	C22H14	005101-27-9	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
Data File : BF087754.D
Acq On : 6 Jun 2016 16:13
Operator : UM/SJ
Sample : H3267-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1491(0-4)

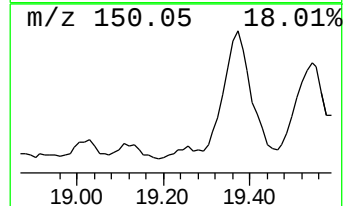
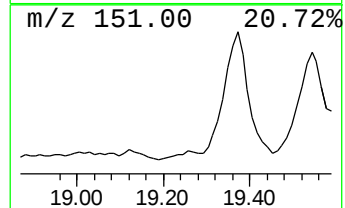
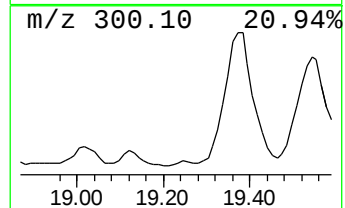
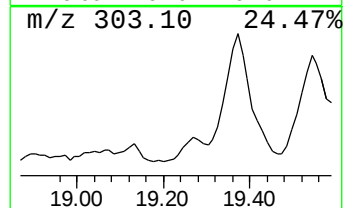
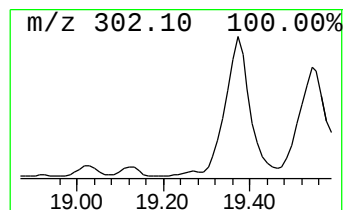
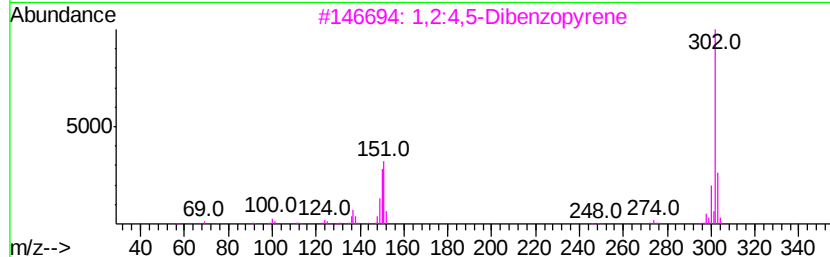
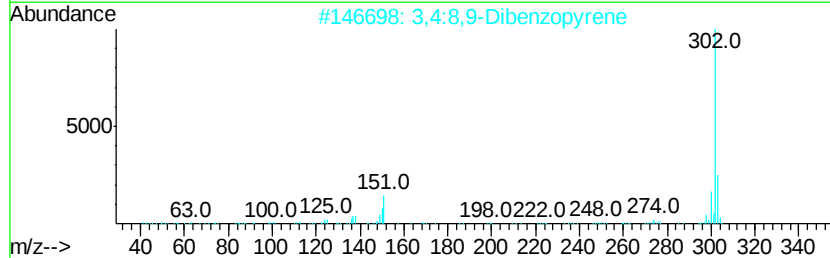
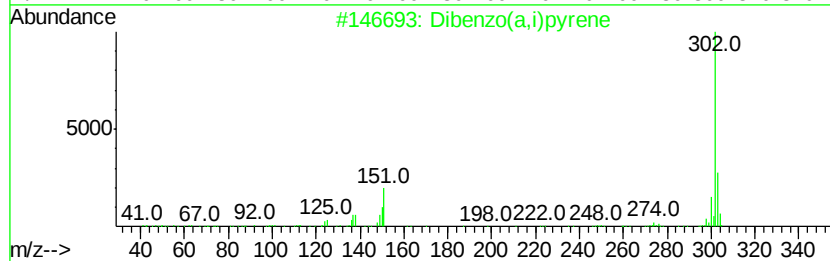
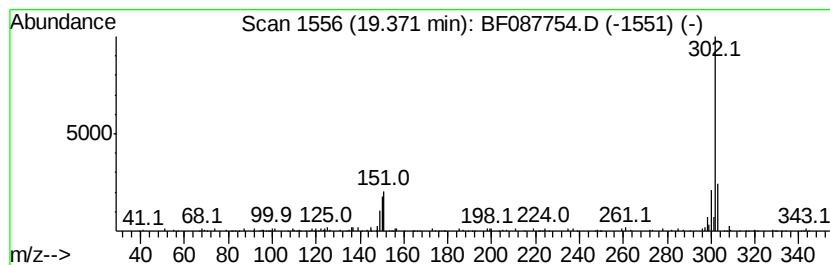
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Dibenzo(a,i)pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	16.30 ng	469119	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	87
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	87
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	87
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	76
5		Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
 Data File : BF087754.D
 Acq On : 6 Jun 2016 16:13
 Operator : UM/SJ
 Sample : H3267-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-1491(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown1.69	1.69	149.5	ng	5360990	1	6.86	717103	20.0
2-Pentanone, 4-hy...	5.03	13.6	ng	486226	1	6.86	717103	20.0
unknown6.62	6.62	68.4	ng	2452450	1	6.86	717103	20.0
unknown10.80	10.80	11.6	ng	541251	4	11.37	931715	20.0
Phenanthrene, 2-m...	11.90	10.6	ng	494229	4	11.37	931715	20.0
1H-Cyclopropa[1]p...	11.98	24.7	ng	1150140	4	11.37	931715	20.0
Naphthalene, 2-ph...	12.17	14.1	ng	657943	4	11.37	931715	20.0
Phenanthrene, 2,5...	12.42	24.7	ng	1150280	4	11.37	931715	20.0
Phenanthrene, 2,7...	12.46	13.0	ng	605052	4	11.37	931715	20.0
Cyclopenta(def)ph...	12.50	12.8	ng	595237	4	11.37	931715	20.0
Benzo[c]phenanthr...	14.78	14.0	ng	402052	6	15.44	575654	20.0
Benzo(a)pyrene, 7...	14.87	35.5	ng	1021820	6	15.44	575654	20.0
unknown14.94	14.94	15.1	ng	435243	6	15.44	575654	20.0
Benzo[e]pyrene	15.13	21.8	ng	627901	6	15.44	575654	20.0
unknown16.50	16.50	18.3	ng	525930	6	15.44	575654	20.0
Dibenzo[def,mno]c...	16.67	17.6	ng	507992	6	15.44	575654	20.0
Dibenzo(a,i)pyrene	19.37	16.3	ng	469119	6	15.44	575654	20.0