

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
 Data File : BF089711.D
 Acq On : 10 Aug 2016 23:18
 Operator : UM/SJ
 Sample : H4400-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL2(0-6)

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-BF080416.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	4.593	260	263	279	rBV	130589	314317	12.51%	0.852%
2	5.301	322	325	345	rBV	494621	1102392	43.89%	2.988%
3	6.970	469	471	477	rBV	593431	1028938	40.96%	2.789%
4	7.062	477	479	490	rVV	780461	1395169	55.54%	3.782%
5	7.404	506	509	515	rBV	189853	280941	11.18%	0.762%
6	7.633	526	529	543	rBV	650537	936087	37.27%	2.538%
7	8.307	586	588	598	rBV	371378	687116	27.36%	1.863%
8	9.427	683	686	688	rBV	314562	401973	16.00%	1.090%
9	10.593	786	788	793	rBV	58950	84948	3.38%	0.230%
10	10.742	798	801	805	rBV	51820	70900	2.82%	0.192%
11	11.211	839	842	845	rBV	1126884	1333571	53.09%	3.615%
12	11.725	884	887	889	rBV	53400	73957	2.94%	0.200%
13	11.896	899	902	909	rVV	184878	281866	11.22%	0.764%
14	12.022	911	913	919	rVB	91868	137318	5.47%	0.372%
15	12.251	930	933	935	rBV	330428	421240	16.77%	1.142%
16	12.296	935	937	941	rVB	162046	218214	8.69%	0.592%
17	12.594	961	963	968	rBV2	65688	120612	4.80%	0.327%
18	13.108	1002	1008	1009	rBV3	56454	80637	3.21%	0.219%
19	13.142	1009	1011	1016	rVB	134407	180036	7.17%	0.488%
20	13.245	1016	1020	1022	rBV3	21127	60240	2.40%	0.163%
21	13.416	1033	1035	1037	rBV	39185	59440	2.37%	0.161%
22	13.542	1043	1046	1050	rVV	463988	651725	25.95%	1.767%
23	13.885	1073	1076	1081	rBV	67357	144561	5.76%	0.392%
24	14.045	1086	1090	1091	rBV	30471	54861	2.18%	0.149%
25	14.354	1116	1117	1122	rVV	55010	92966	3.70%	0.252%
26	14.445	1122	1125	1126	rVV2	30809	70150	2.79%	0.190%
27	14.479	1126	1128	1131	rVB	55148	88355	3.52%	0.240%
28	14.617	1137	1140	1141	rBV	41891	56661	2.26%	0.154%
29	14.651	1141	1143	1144	rVV	226532	351764	14.00%	0.954%
30	14.697	1144	1147	1150	rVV	1184019	1769863	70.46%	4.798%
31	14.765	1151	1153	1159	rVB	236330	403495	16.06%	1.094%
32	15.062	1177	1179	1182	rVV	79853	157644	6.28%	0.427%
33	15.154	1185	1187	1188	rVV	36203	53832	2.14%	0.146%
34	15.302	1197	1200	1203	rVB2	38539	80681	3.21%	0.219%

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 Integrator: RTE
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 Sampling : 1
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.451	1210	1213	1215	rBV	189452	273640	10.89%	0.742%
36	15.485	1215	1216	1221	rVB	209446	290099	11.55%	0.786%
37	15.565	1221	1223	1224	rBV	68783	84466	3.36%	0.229%
38	15.600	1224	1226	1228	rBV	245921	333999	13.30%	0.905%
39	15.645	1228	1230	1231	rVB	81521	112147	4.46%	0.304%
40	15.897	1250	1252	1254	rVV	132284	208714	8.31%	0.566%
41	15.942	1254	1256	1260	rVV	121476	164626	6.55%	0.446%
42	16.114	1268	1271	1273	rBV	42610	77163	3.07%	0.209%
43	16.262	1281	1284	1286	rBV	121861	220623	8.78%	0.598%
44	16.297	1286	1287	1289	rVV	68315	92290	3.67%	0.250%
45	16.377	1292	1294	1298	rVB	117365	184550	7.35%	0.500%
46	16.480	1298	1303	1305	rBV	1390263	2511815	100.00%	6.809%
47	16.514	1305	1306	1308	rVB2	59516	55826	2.22%	0.151%
48	16.571	1308	1311	1312	rBV	58186	86904	3.46%	0.236%
49	16.594	1312	1313	1317	rVB2	41708	55297	2.20%	0.150%
50	16.662	1317	1319	1321	rBV	48435	102468	4.08%	0.278%
51	16.777	1325	1329	1332	rBV	1689529	2410396	95.96%	6.534%
52	16.857	1333	1336	1337	rVB2	58565	88950	3.54%	0.241%
53	16.891	1337	1339	1343	rVB	51489	71769	2.86%	0.195%
54	16.960	1343	1345	1346	rBV	113547	156324	6.22%	0.424%
55	17.028	1346	1351	1353	rVV2	603083	971213	38.67%	2.633%
56	17.085	1353	1356	1359	rVV2	85356	158458	6.31%	0.430%
57	17.200	1363	1366	1368	rBV3	128258	350688	13.96%	0.951%
58	17.234	1368	1369	1372	rVB	195094	187328	7.46%	0.508%
59	17.325	1375	1377	1378	rBV	91417	117355	4.67%	0.318%
60	17.360	1378	1380	1384	rBV3	181222	360328	14.35%	0.977%
61	17.485	1389	1391	1392	rVV	94595	137892	5.49%	0.374%
62	17.520	1392	1394	1397	rVV	96171	107909	4.30%	0.293%
63	17.748	1411	1414	1415	rBV3	36264	69825	2.78%	0.189%
64	17.874	1424	1425	1426	rVV	50983	65571	2.61%	0.178%
65	17.908	1426	1428	1433	rVV	206080	306000	12.18%	0.830%
66	18.034	1436	1439	1441	rVV	159920	325312	12.95%	0.882%
67	18.068	1441	1442	1443	rVV	192303	189241	7.53%	0.513%
68	18.091	1443	1444	1446	rVV	118952	175012	6.97%	0.474%
69	18.137	1446	1448	1450	rVV	116971	176729	7.04%	0.479%
70	18.183	1450	1452	1457	rVV	153752	268819	10.70%	0.729%
71	18.263	1457	1459	1461	rVB	41844	58219	2.32%	0.158%

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Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	18.308	1461	1463	1465	rBV2	55168	117256	4.67%	0.318%
73	18.366	1465	1468	1469	rVV	902148	1688238	67.21%	4.577%
74	18.411	1469	1472	1474	rVV2	885777	1647383	65.59%	4.466%
75	18.446	1474	1475	1477	rVV	161351	205673	8.19%	0.558%
76	18.491	1477	1479	1481	rVV2	151952	188128	7.49%	0.510%
77	18.560	1484	1485	1487	rVV2	53670	83653	3.33%	0.227%
78	18.640	1490	1492	1494	rVV2	103180	145278	5.78%	0.394%
79	18.686	1494	1496	1498	rVV2	90149	149056	5.93%	0.404%
80	18.868	1506	1512	1514	rBV2	227138	430237	17.13%	1.166%
81	18.914	1514	1516	1517	rVB2	71007	87355	3.48%	0.237%
82	18.983	1520	1522	1523	rBV	77944	68865	2.74%	0.187%
83	19.017	1523	1525	1528	rBV2	38428	88869	3.54%	0.241%
84	19.280	1546	1548	1553	rVB3	64140	121049	4.82%	0.328%
85	19.463	1562	1564	1567	rBV	116786	178944	7.12%	0.485%
86	19.646	1576	1580	1585	rBV	830327	2146804	85.47%	5.820%
87	19.737	1587	1588	1591	rVB	140947	167571	6.67%	0.454%
88	19.920	1602	1604	1608	rBV	506861	788588	31.40%	2.138%
89	19.989	1608	1610	1612	rVV	742328	926247	36.88%	2.511%
90	20.034	1612	1614	1616	rVV	177081	304485	12.12%	0.825%
91	20.069	1616	1617	1621	rVB2	194374	215805	8.59%	0.585%
92	20.309	1636	1638	1644	rVB	73075	166639	6.63%	0.452%
93	21.086	1702	1706	1709	rBV3	48749	144769	5.76%	0.392%
94	21.223	1715	1718	1722	rBV	373138	643380	25.61%	1.744%
95	21.349	1727	1729	1732	rBV	63280	131393	5.23%	0.356%
96	21.406	1732	1734	1739	rVB	68756	121308	4.83%	0.329%
97	21.566	1744	1748	1756	rVB	262953	554124	22.06%	1.502%
98	21.749	1762	1764	1772	rVB2	60735	149868	5.97%	0.406%
99	23.292	1894	1899	1903	rBV	61759	192962	7.68%	0.523%
100	23.452	1908	1913	1917	rBV	44339	179944	7.16%	0.488%

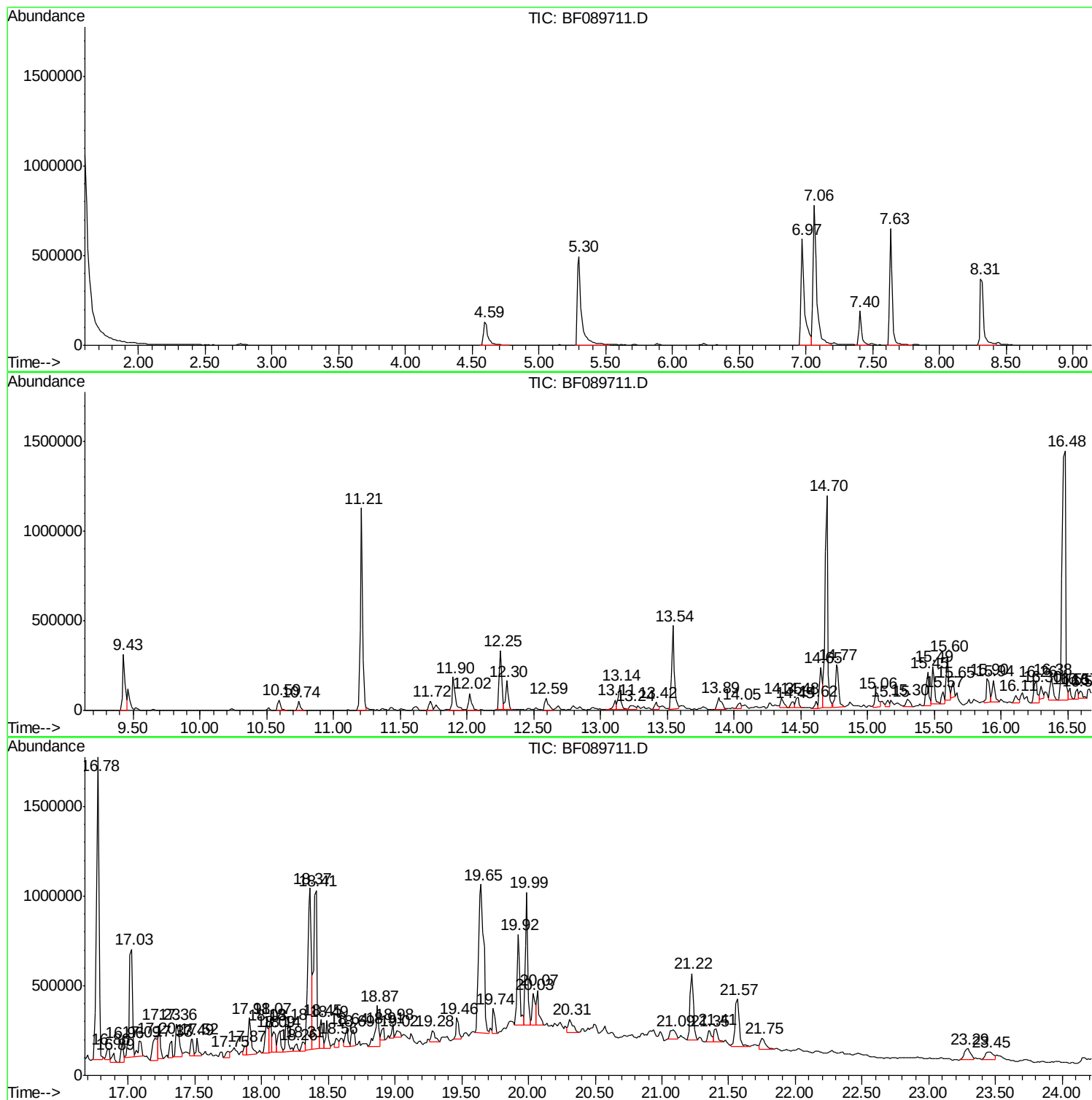
Sum of corrected areas: 36888306

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



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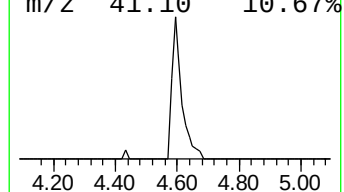
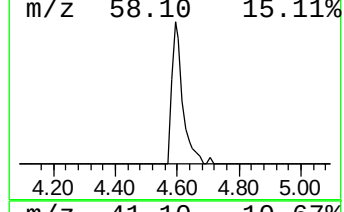
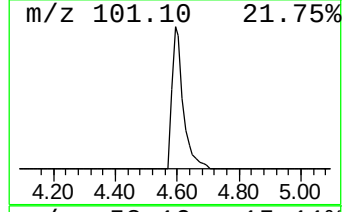
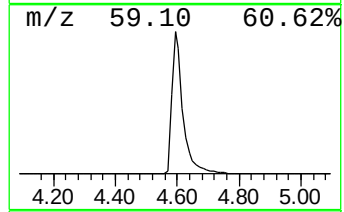
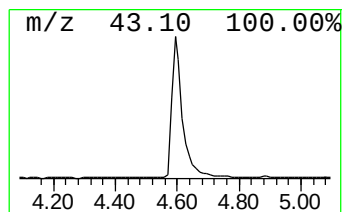
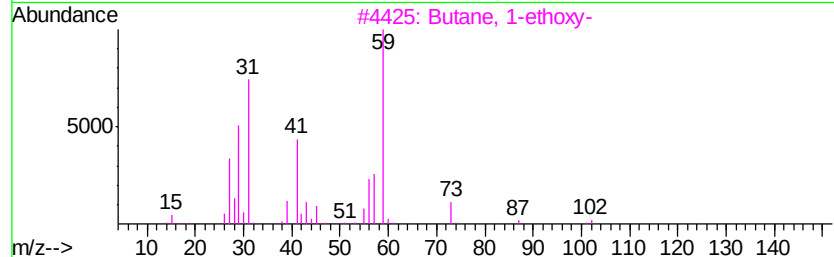
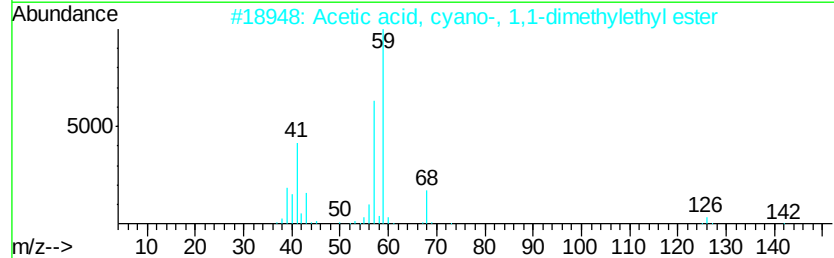
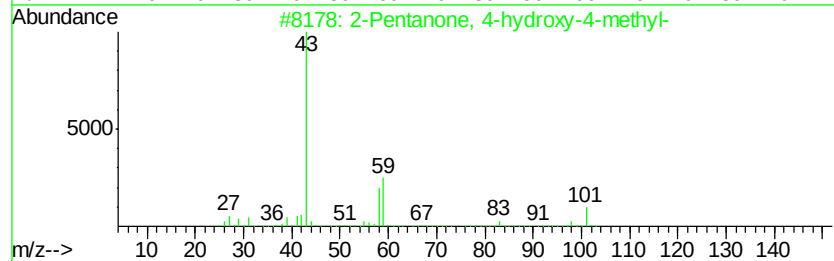
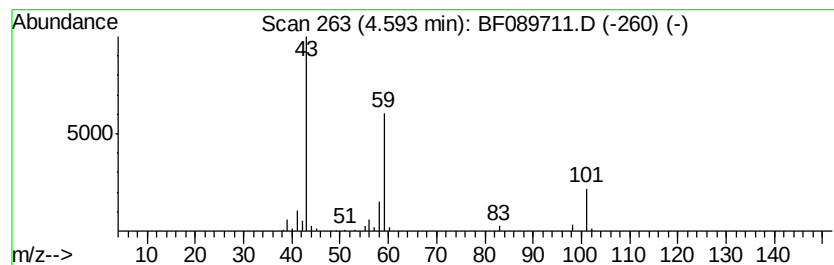
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	22.38 ng	314317	1,4-Dichlorobenzene-d4	7.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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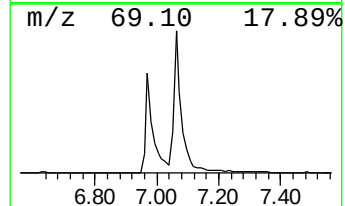
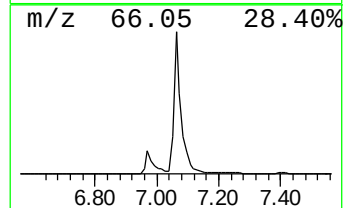
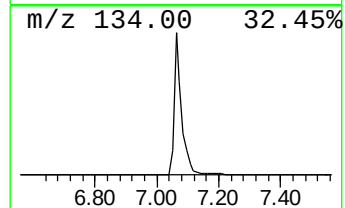
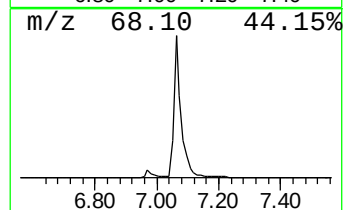
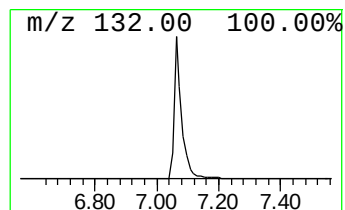
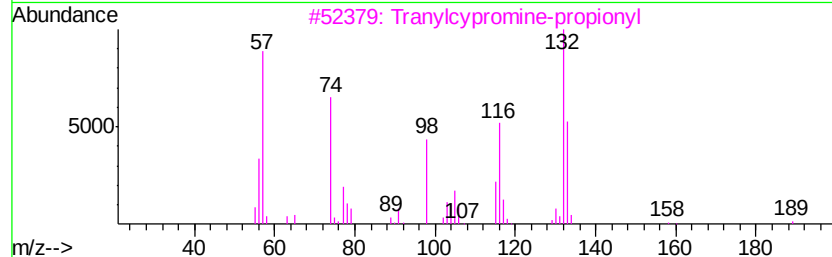
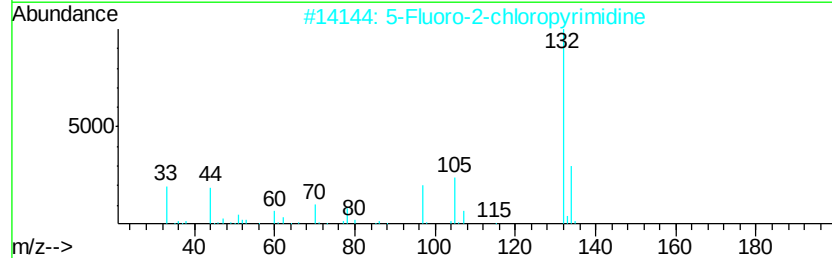
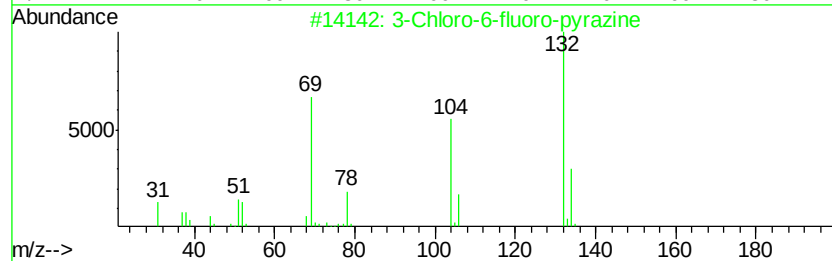
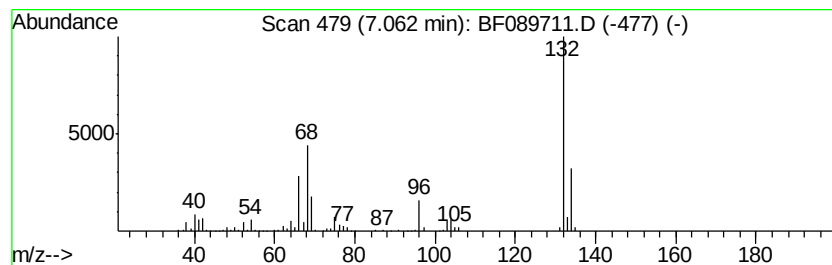
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.06 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	99.32 ng	1395170	1,4-Dichlorobenzene-d4	7.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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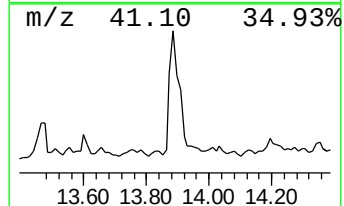
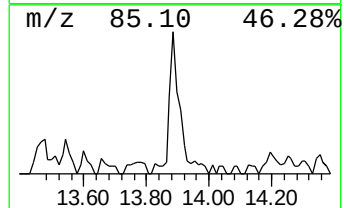
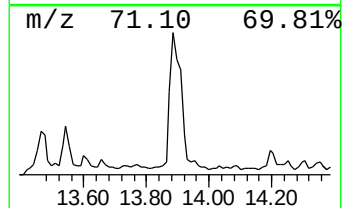
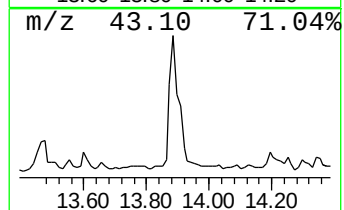
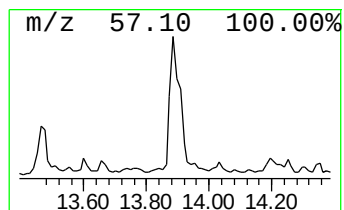
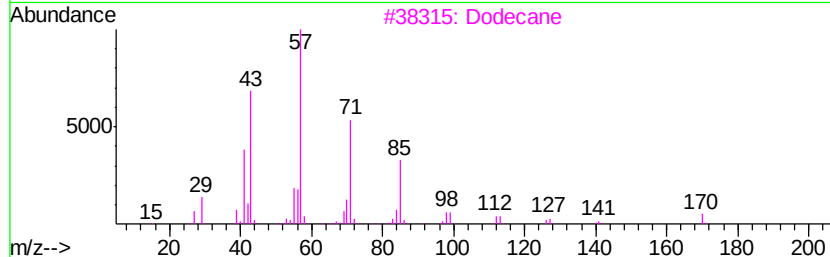
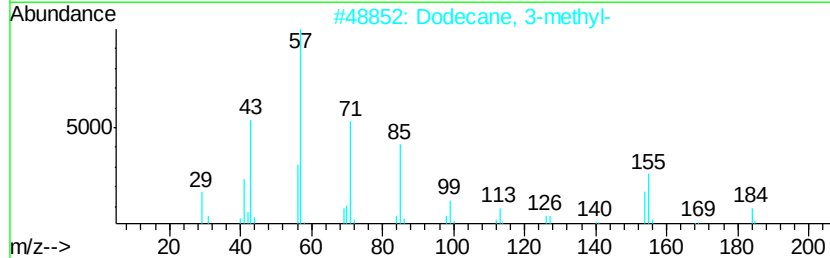
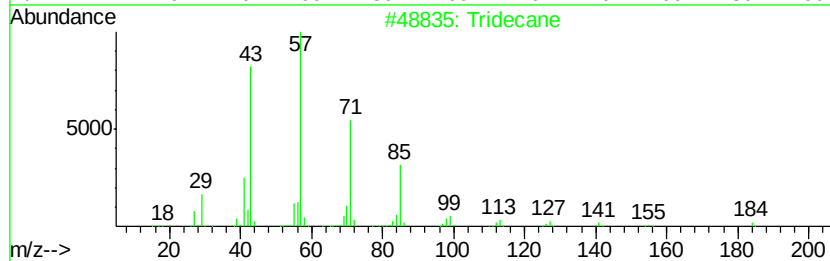
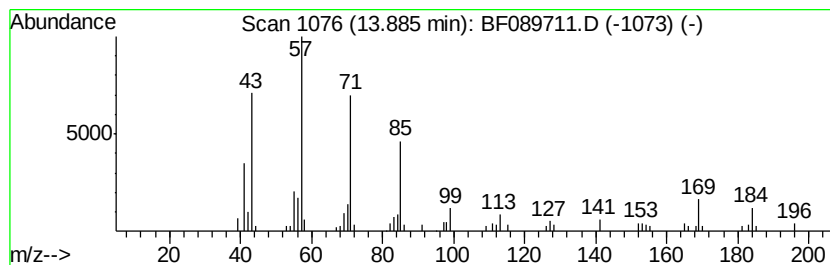
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tridecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	8.22 ng	144561	Phenanthrene-d10	14.65

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	90
2	Dodecane, 3-methyl-		184	C13H28	017312-57-1	90
3	Dodecane		170	C12H26	000112-40-3	76
4	Tetracosane		338	C24H50	000646-31-1	68
5	Heneicosane		296	C21H44	000629-94-7	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089711.D
Acq On : 10 Aug 2016 23:18
Operator : UM/SJ
Sample : H4400-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

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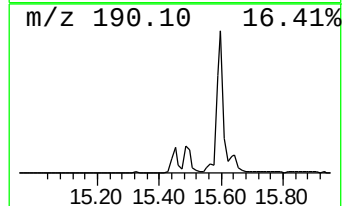
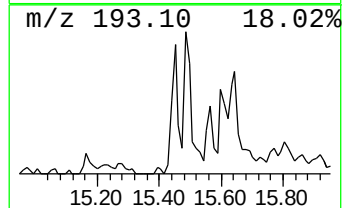
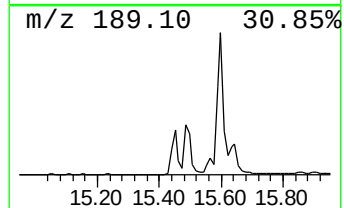
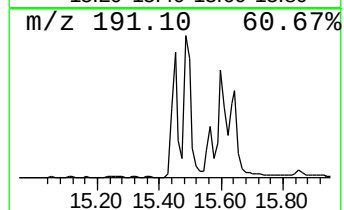
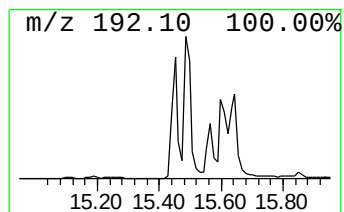
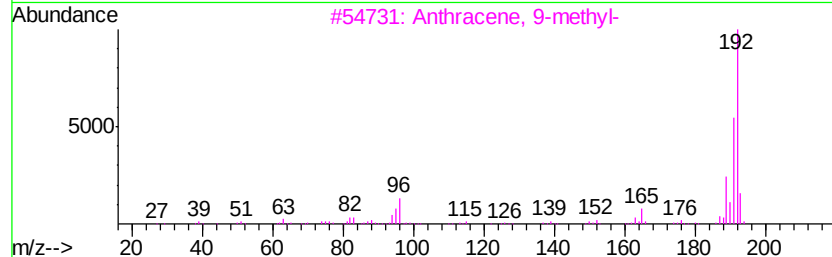
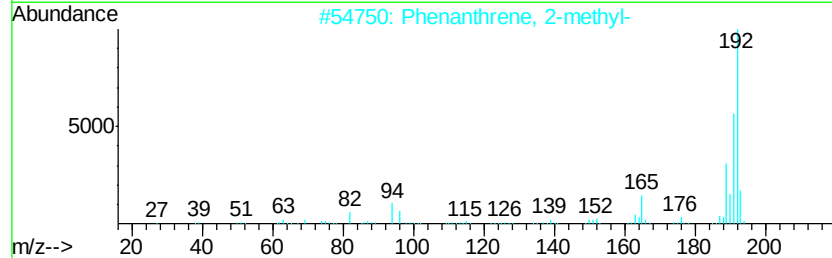
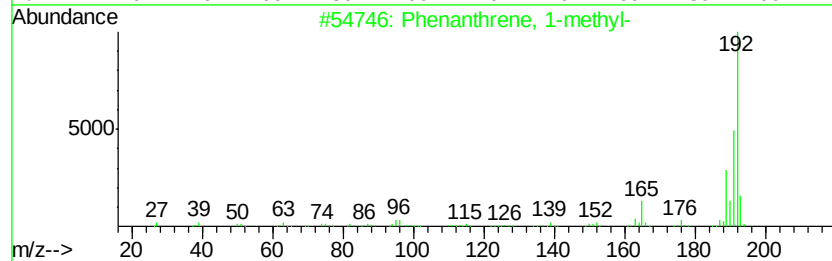
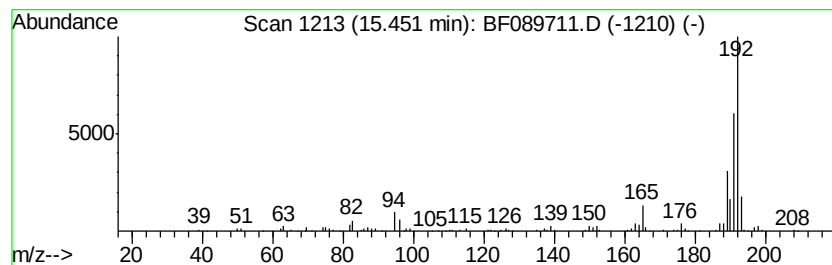
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	15.56 ng	273640	Phenanthrene-d10	14.65

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	93
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
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Operator : UM/SJ
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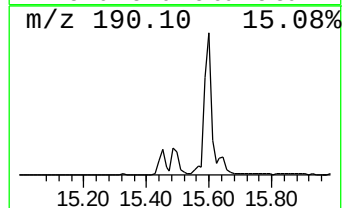
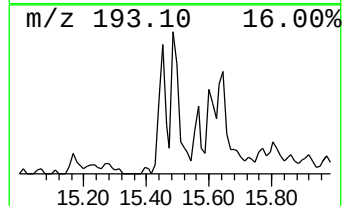
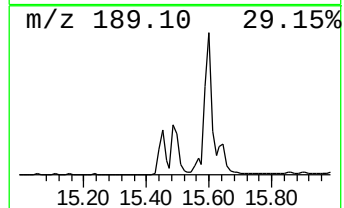
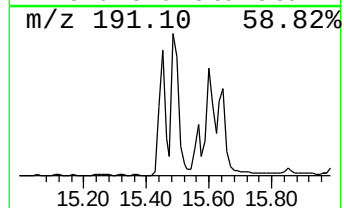
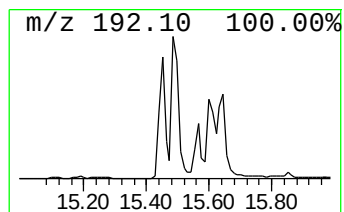
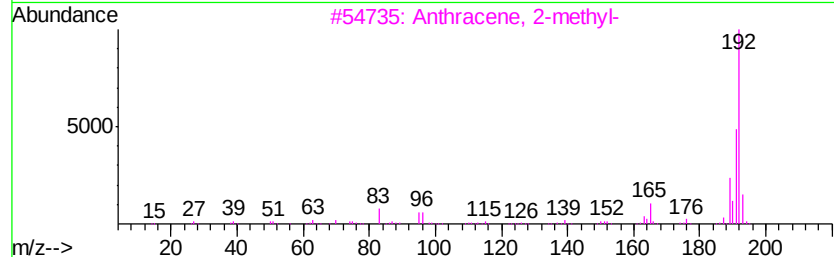
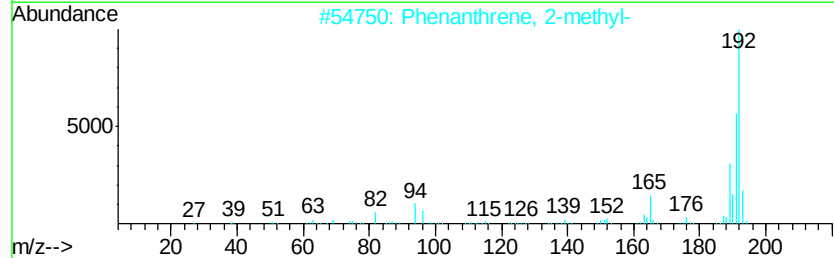
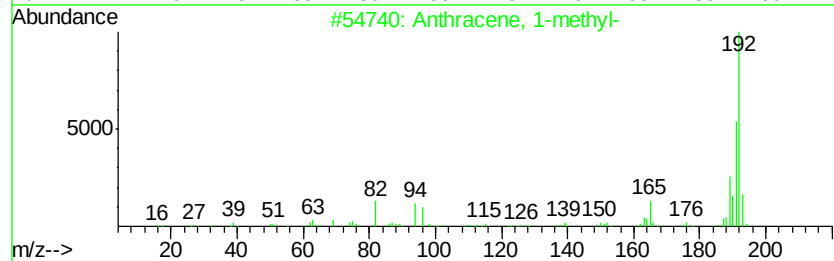
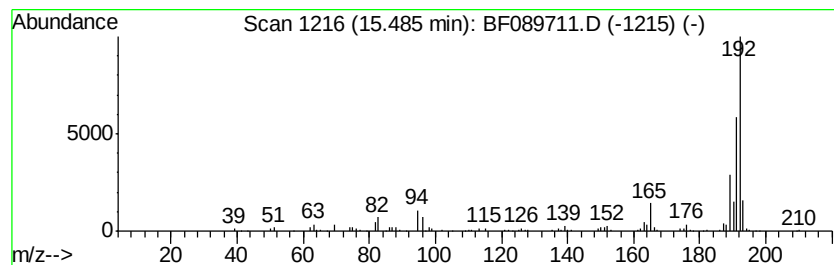
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD			R.T.
15.49	16.49 ng	290099	Phenanthrene-d10			14.65
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	98
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089711.D
Acq On : 10 Aug 2016 23:18
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Sample : H4400-04
Misc :
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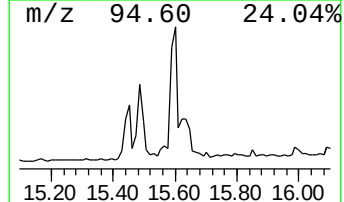
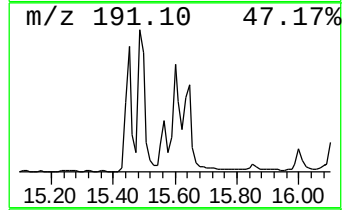
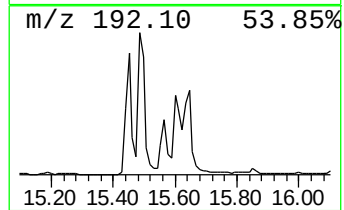
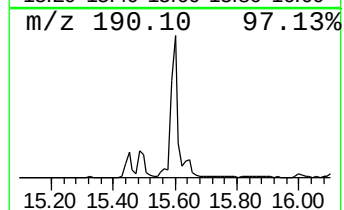
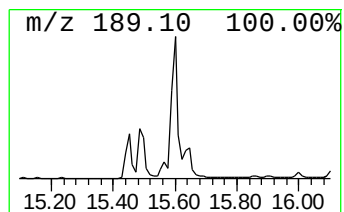
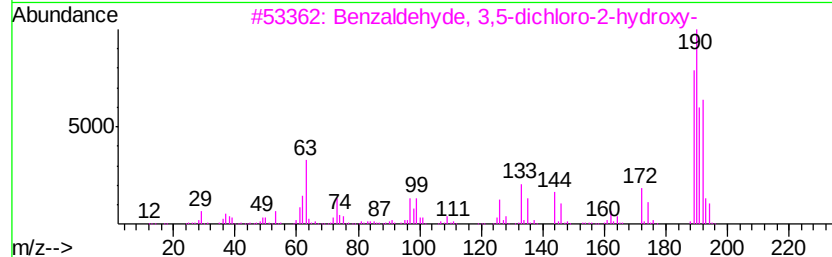
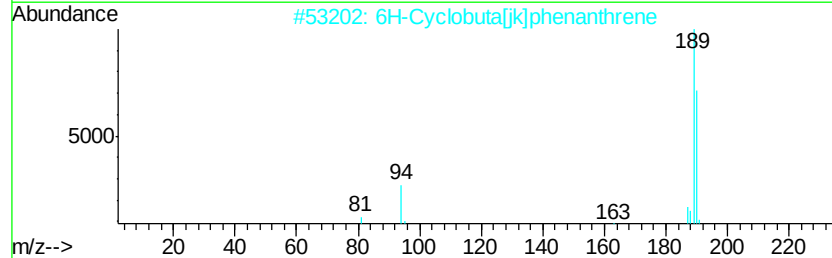
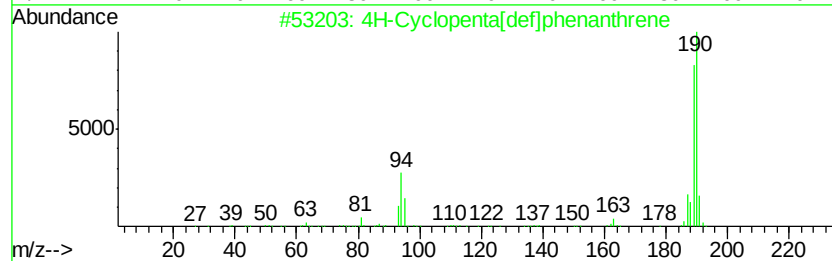
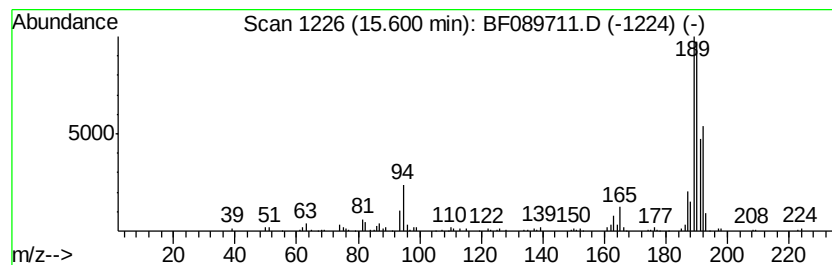
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.60	18.99 ng	333999	Phenanthrene-d10	14.65	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	2,3,5,6-Tetramethylterephthald...	190	C12H14O2	007072-01-7	43
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	20



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089711.D
Acq On : 10 Aug 2016 23:18
Operator : UM/SJ
Sample : H4400-04
Misc :
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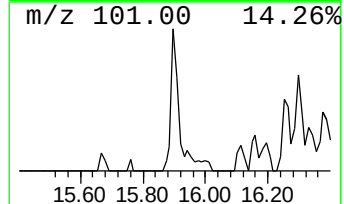
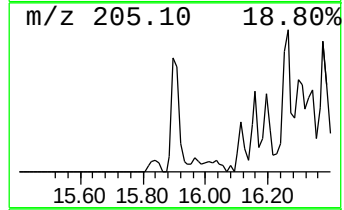
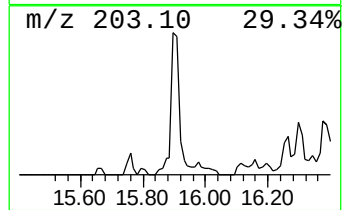
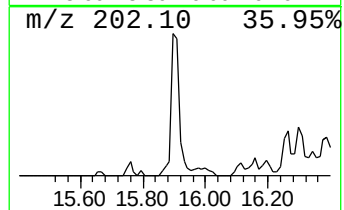
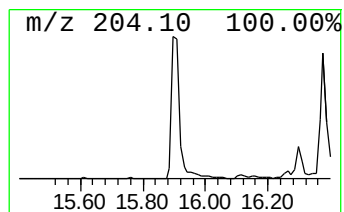
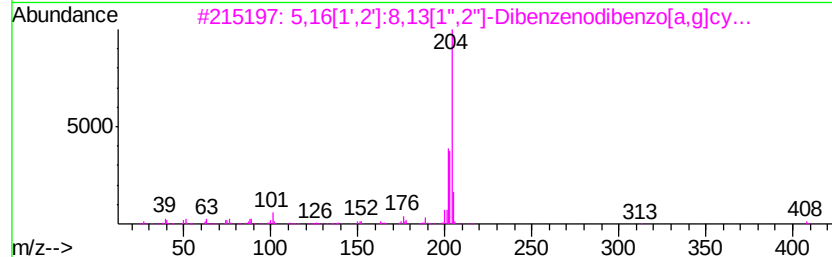
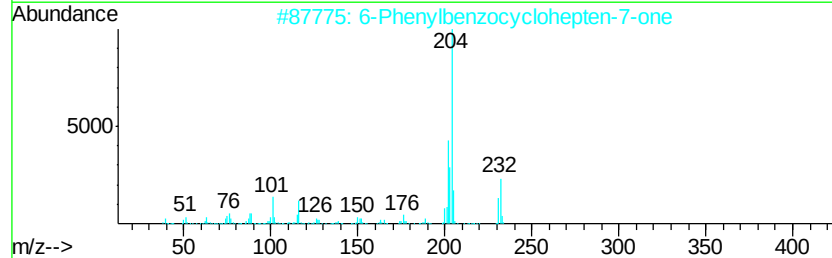
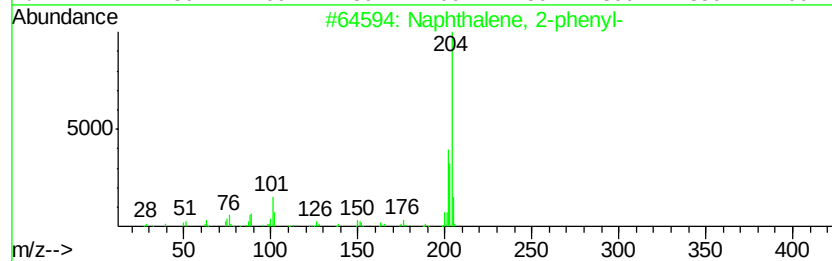
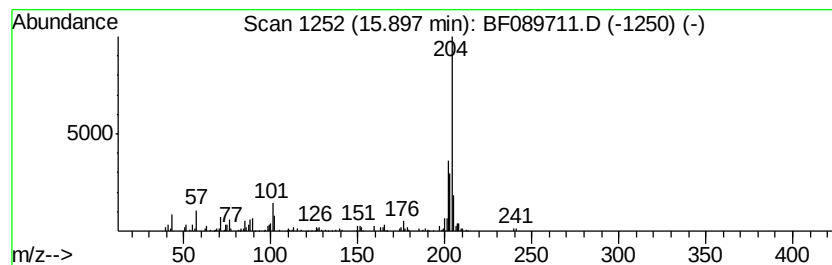
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	11.87 ng	208714	Phenanthrene-d10	14.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089711.D
Acq On : 10 Aug 2016 23:18
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Misc :
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Instrument :
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ClientSampleId :
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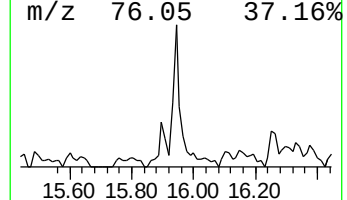
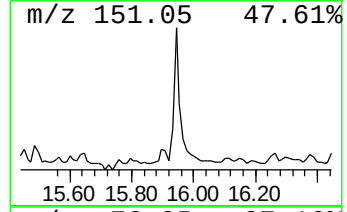
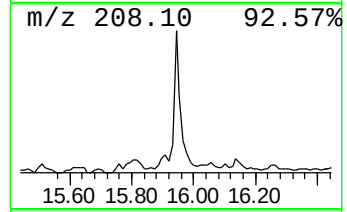
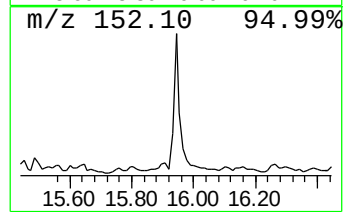
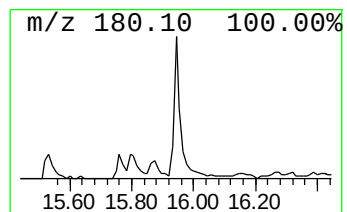
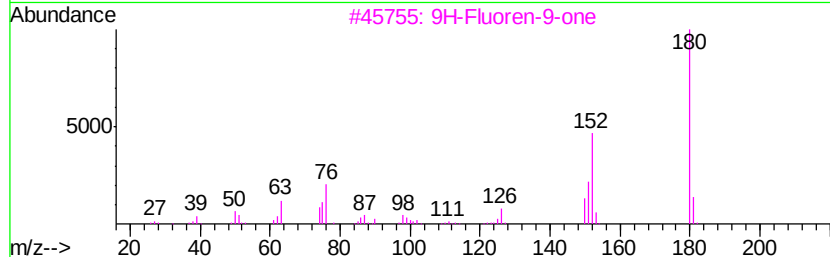
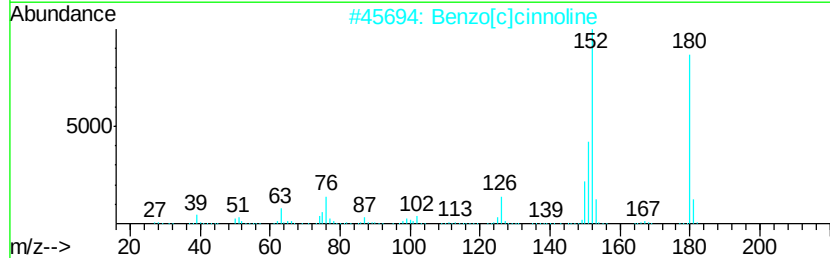
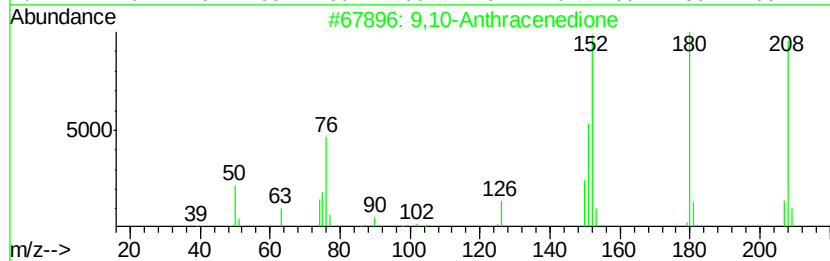
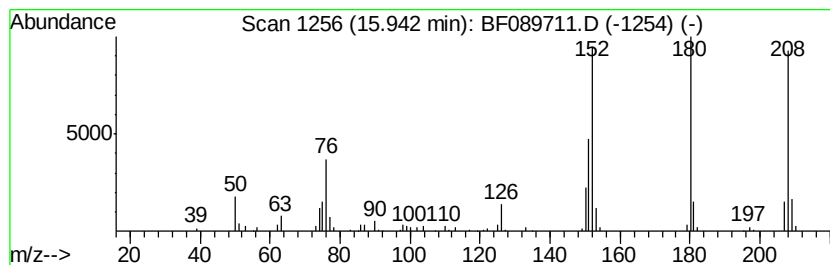
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	9.36 ng	164626	Phenanthrene-d10	14.65

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089711.D
Acq On : 10 Aug 2016 23:18
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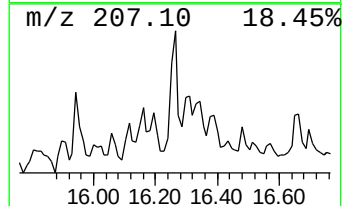
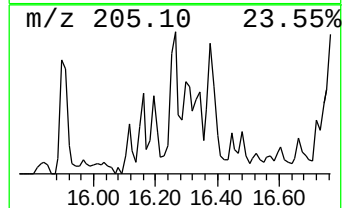
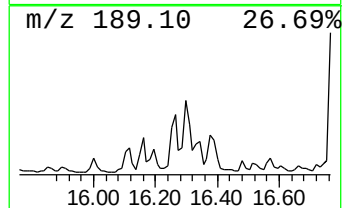
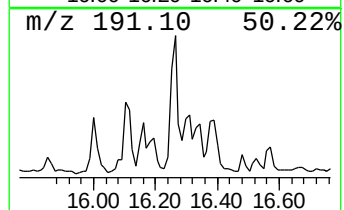
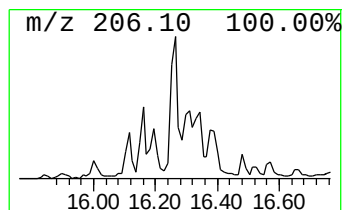
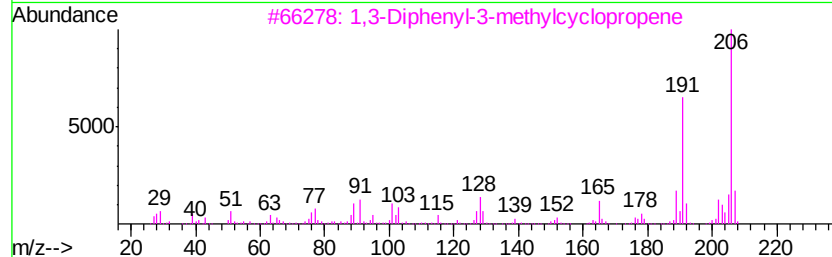
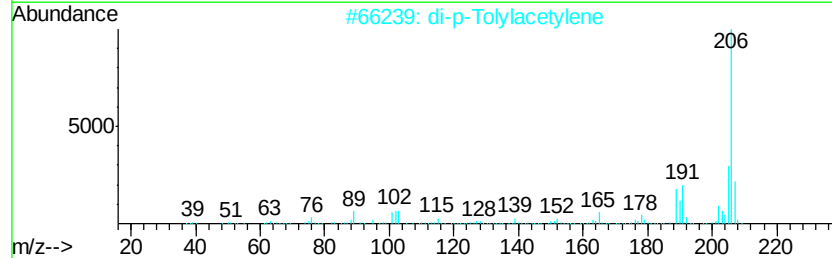
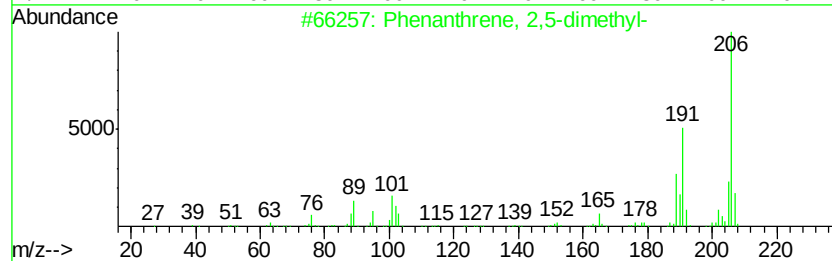
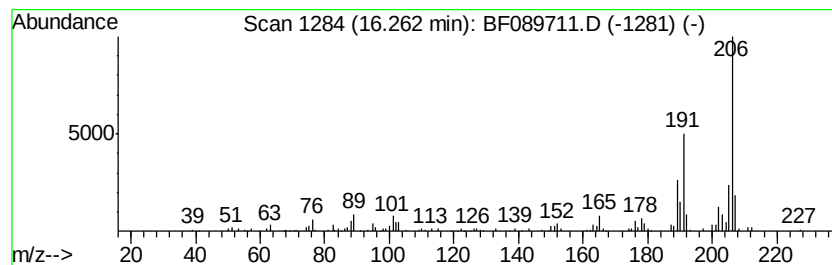
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	12.54 ng	220623	Phenanthrene-d10	14.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3		1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	94
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089711.D
Acq On : 10 Aug 2016 23:18
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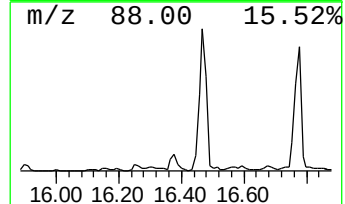
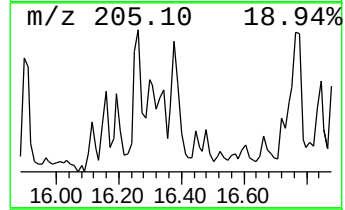
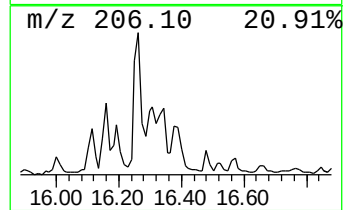
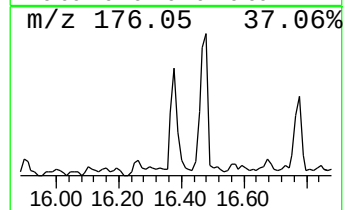
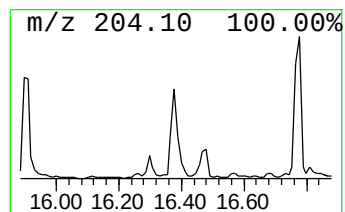
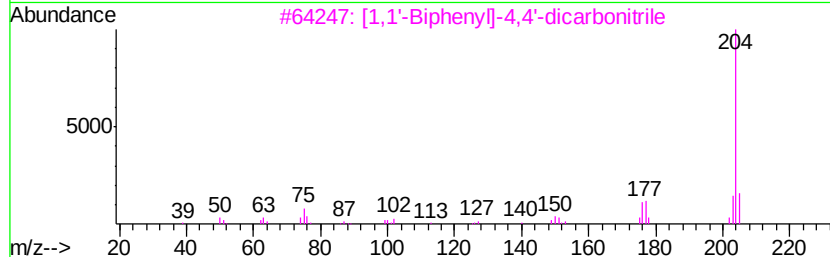
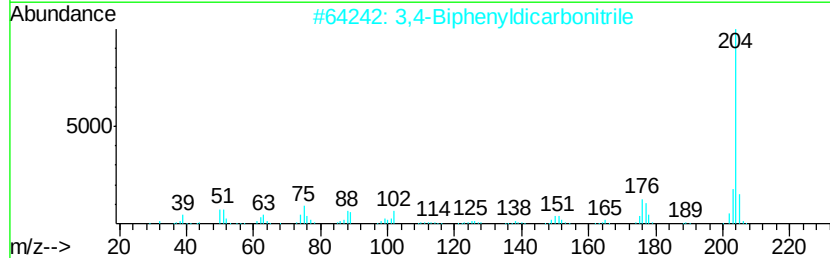
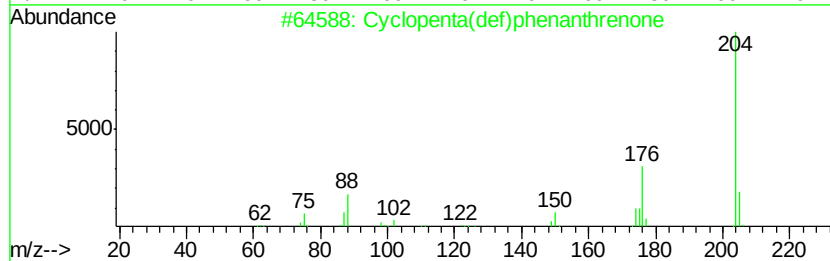
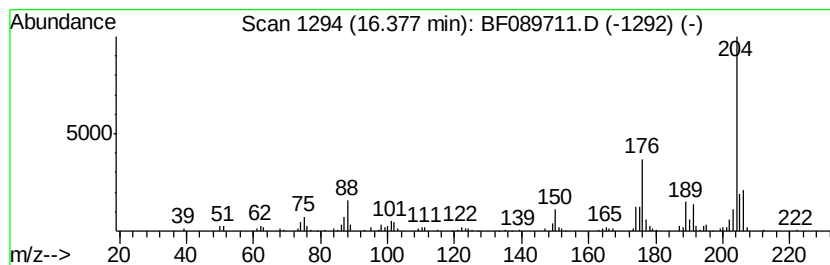
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	10.49 ng	184550	Phenanthrene-d10	14.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4		6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	50
5		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
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Acq On : 10 Aug 2016 23:18
Operator : UM/SJ
Sample : H4400-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

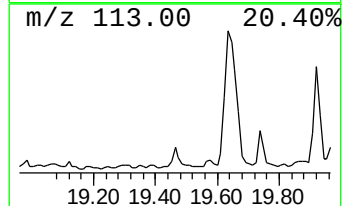
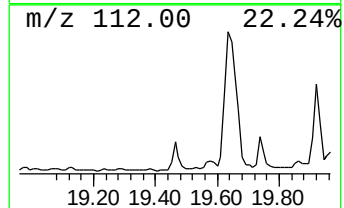
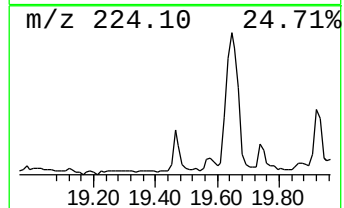
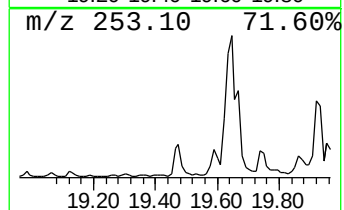
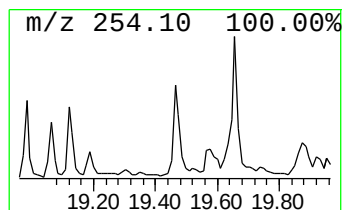
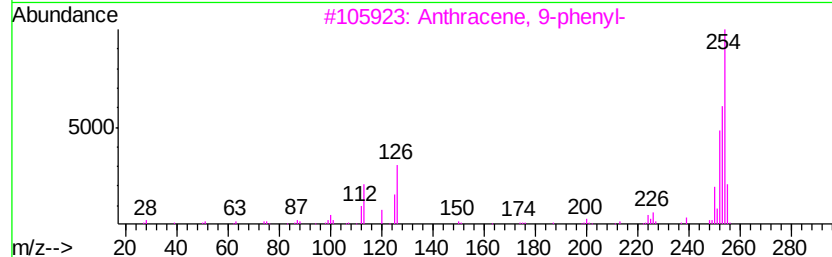
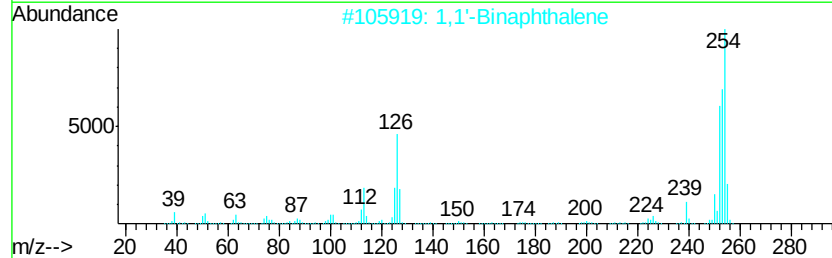
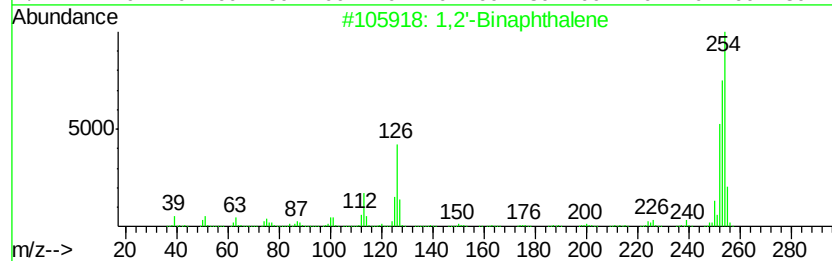
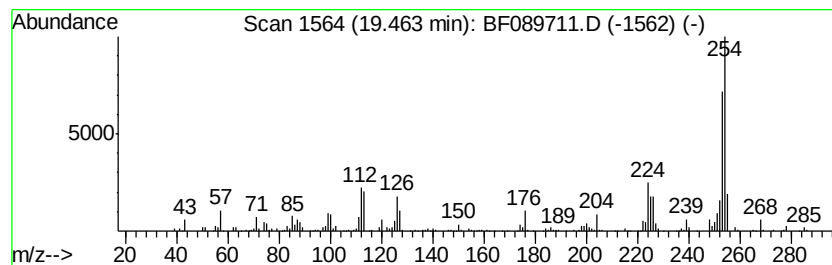
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1,2'-Binaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.46	11.75 ng	178944	Perylene-d12	20.03	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	68
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	68
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	68
4	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	64
5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089711.D
Acq On : 10 Aug 2016 23:18
Operator : UM/SJ
Sample : H4400-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

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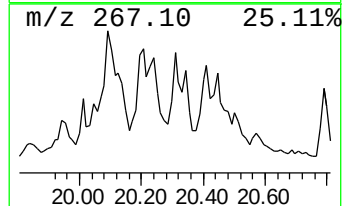
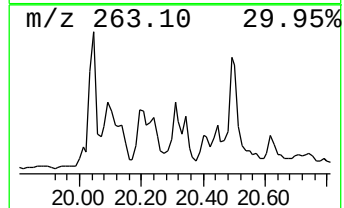
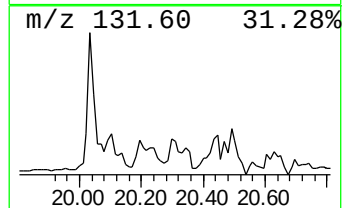
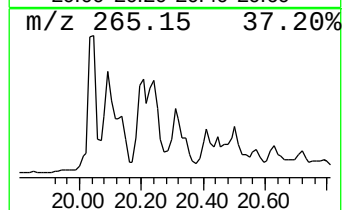
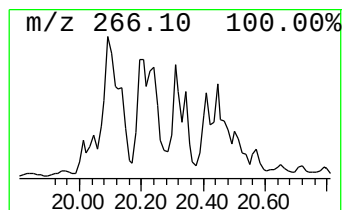
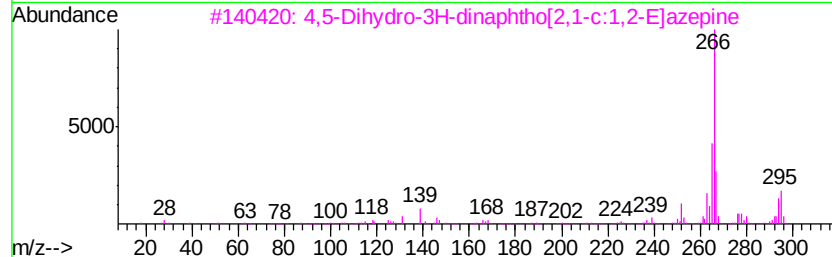
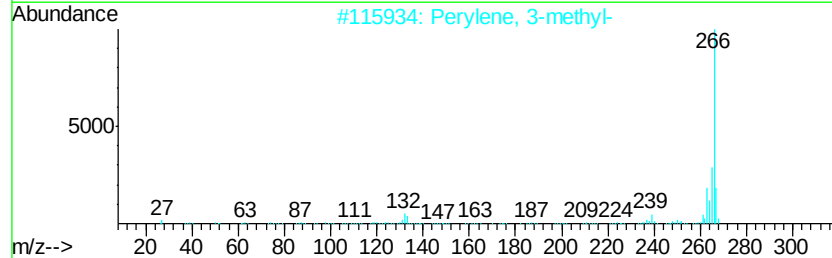
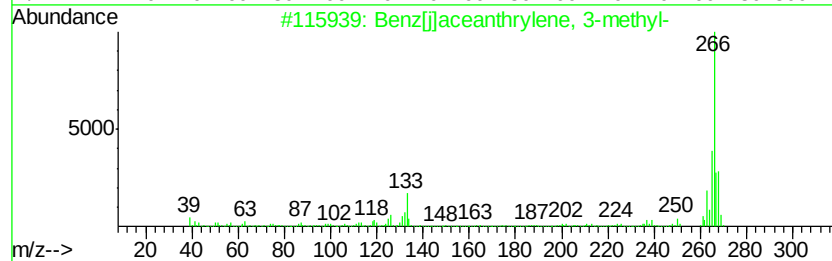
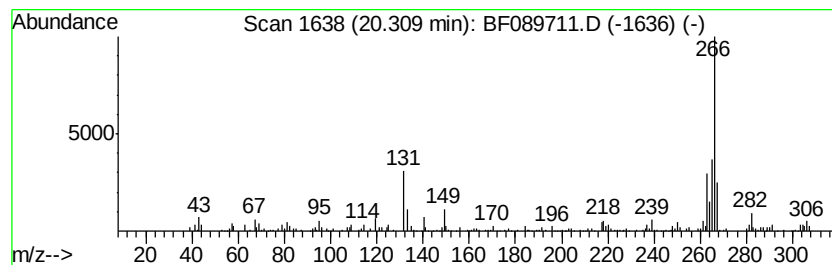
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benz[j]aceanthrylene, 3-met... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	10.95 ng	166639	Perylene-d12	20.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	83
2		Perylene, 3-methyl-	266	C21H14	024471-47-4	64
3		4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	53
4		10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	52
5		Thiazole, 4-(4-methylphenyl)-2-p...	266	C16H14N2S	093020-56-5	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089711.D
Acq On : 10 Aug 2016 23:18
Operator : UM/SJ
Sample : H4400-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DEL2(0-6)

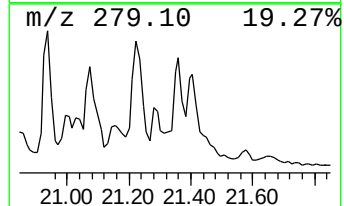
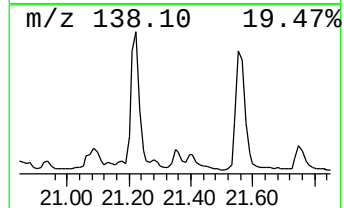
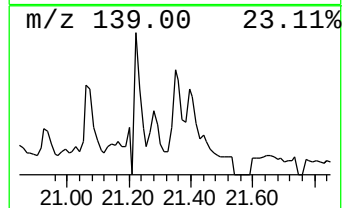
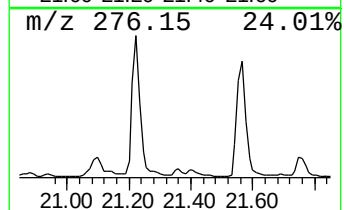
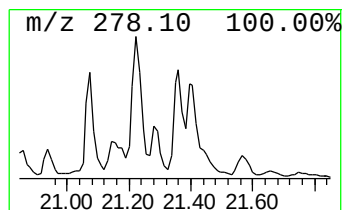
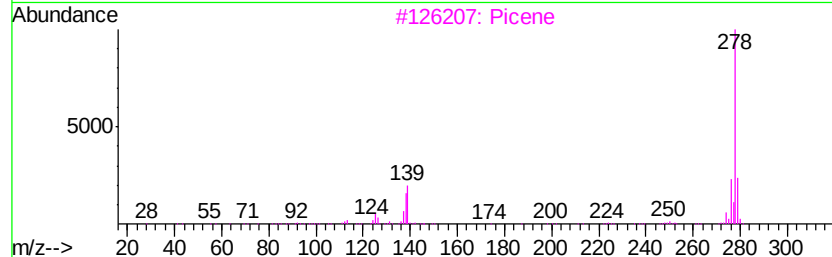
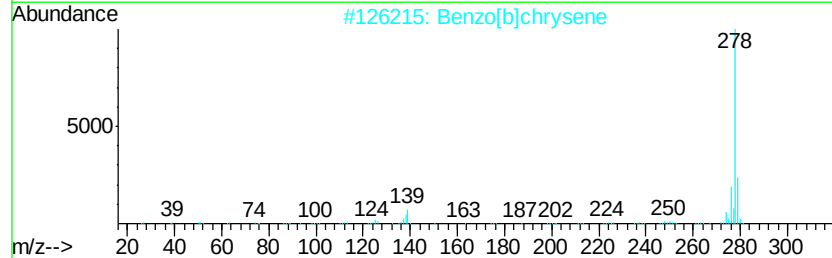
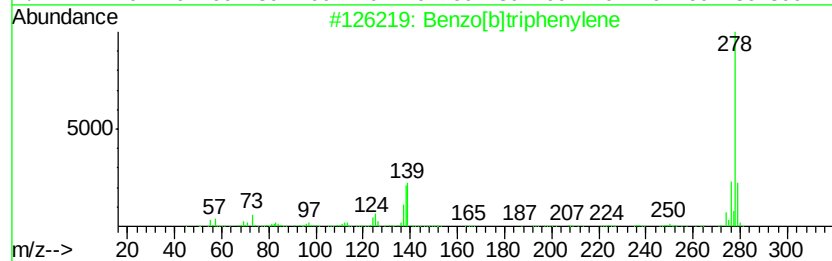
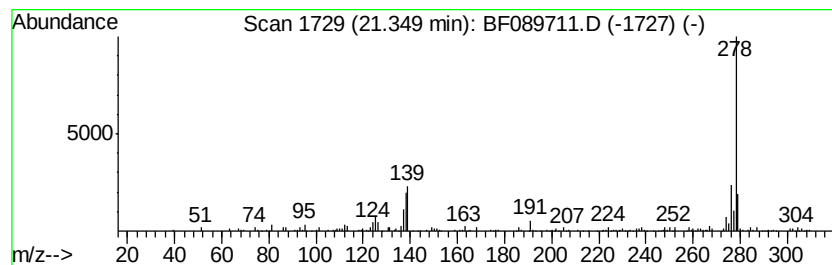
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.35	8.63 ng	131393	Perylene-d12	20.03

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2			Benzo[b]chrysene	278	C22H14	000214-17-5	91
3			Picene	278	C22H14	000213-46-7	91
4			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
5			Pentacene	278	C22H14	000135-48-8	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
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Operator : UM/SJ
Sample : H4400-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DEL2(0-6)

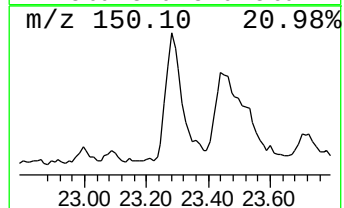
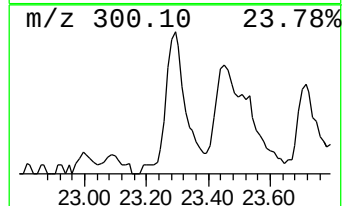
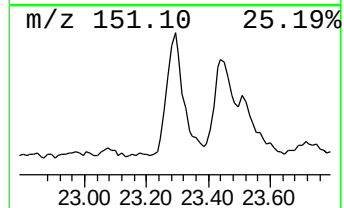
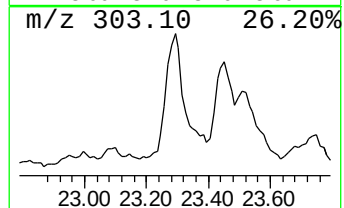
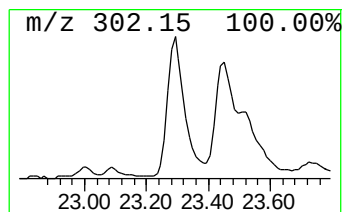
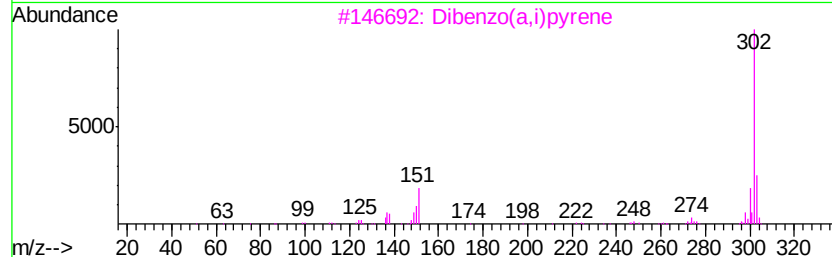
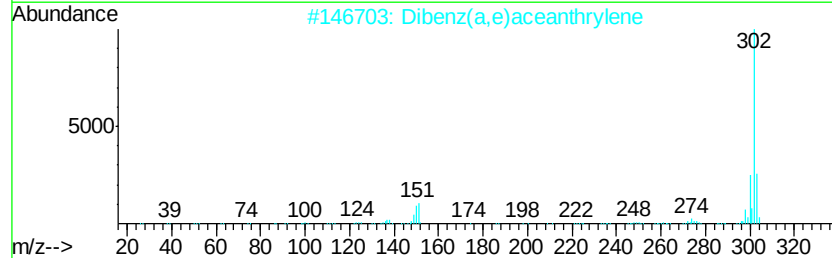
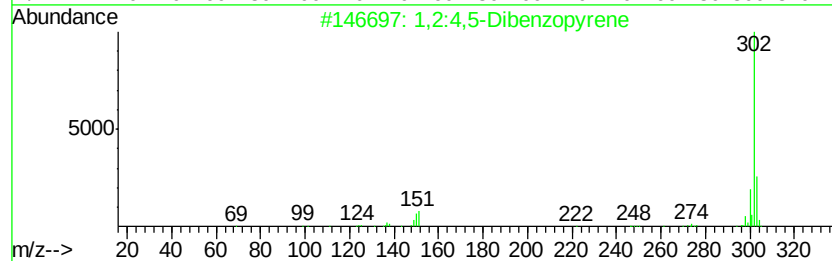
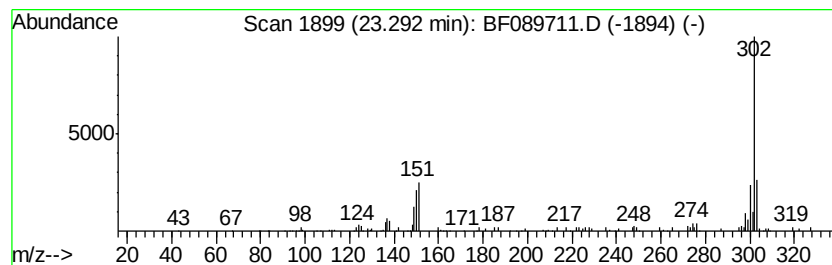
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.29	12.67 ng	192962	Perylene-d12	20.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
3		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	93
4		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	93
5		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
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 Operator : UM/SJ
 Sample : H4400-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.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
2-Pentanone, 4-hy...	4.59	22.4	ng	314317	1	7.40	280941	20.0
unknown7.06	7.06	99.3	ng	1395170	1	7.40	280941	20.0
Tridecane	13.89	8.2	ng	144561	4	14.65	351764	20.0
Phenanthrene, 1-m...	15.45	15.6	ng	273640	4	14.65	351764	20.0
Anthracene, 1-met...	15.49	16.5	ng	290099	4	14.65	351764	20.0
4H-Cyclopenta[def...	15.60	19.0	ng	333999	4	14.65	351764	20.0
Naphthalene, 2-ph...	15.90	11.9	ng	208714	4	14.65	351764	20.0
9,10-Anthracenedione	15.94	9.4	ng	164626	4	14.65	351764	20.0
Phenanthrene, 2,5...	16.26	12.5	ng	220623	4	14.65	351764	20.0
Cyclopenta(def)ph...	16.38	10.5	ng	184550	4	14.65	351764	20.0
1,2'-Binaphthalene	19.46	11.8	ng	178944	6	20.03	304485	20.0
Benz[j]aceanthryl...	20.31	10.9	ng	166639	6	20.03	304485	20.0
Benzo[b]triphenylene	21.35	8.6	ng	131393	6	20.03	304485	20.0
1,2:4,5-Dibenzopy...	23.29	12.7	ng	192962	6	20.03	304485	20.0