

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
 Data File : BF090036.D
 Acq On : 8 Sep 2016 20:46
 Operator : UM/SJ
 Sample : H4704-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7-3.0-4.0

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.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	1.724	11	12	52	rVB	2991128	7318254	50.73%	3.310%
2	4.719	271	274	281	rBV	658819	1041741	7.22%	0.471%
3	5.176	311	314	316	rBV	3165358	3949797	27.38%	1.787%
4	6.250	404	408	410	rBV	3430461	4278824	29.66%	1.935%
5	6.365	415	418	420	rBV	4032889	4032440	27.95%	1.824%
6	6.593	436	438	449	rVB	913696	1144246	7.93%	0.518%
7	6.753	449	452	454	rBV	3422482	3093335	21.44%	1.399%
8	7.165	485	488	491	rBV	2097459	2299013	15.94%	1.040%
9	7.885	549	551	555	rBV2	1630319	1764249	12.23%	0.798%
10	8.971	643	646	648	rBV	3514473	4598062	31.87%	2.080%
11	9.359	678	680	683	rBV	1104796	1125119	7.80%	0.509%
12	9.633	701	704	705	rBV	1508285	1642718	11.39%	0.743%
13	9.668	705	707	709	rVB	1491160	2045137	14.18%	0.925%
14	9.828	719	721	724	rBV	494483	671792	4.66%	0.304%
15	10.171	749	751	754	rVV	1565996	1492378	10.34%	0.675%
16	10.239	754	757	760	rVV2	230242	574415	3.98%	0.260%
17	10.308	760	763	764	rVV2	203210	329634	2.28%	0.149%
18	10.411	769	772	775	rVV	2348420	2669006	18.50%	1.207%
19	10.536	780	783	789	rVB3	154890	375802	2.61%	0.170%
20	10.719	795	799	800	rBV2	217925	393100	2.72%	0.178%
21	10.914	813	816	818	rVB	216686	321089	2.23%	0.145%
22	10.959	818	820	822	rBV	296215	388302	2.69%	0.176%
23	10.994	822	823	828	rVB	783316	956905	6.63%	0.433%
24	11.142	830	836	837	rBV2	7215242	11758420	81.51%	5.319%
25	11.188	837	840	841	rVV	2575228	3706905	25.70%	1.677%
26	11.211	841	842	845	rVB	421084	446507	3.10%	0.202%
27	11.336	849	853	857	rBV2	1853593	2379783	16.50%	1.076%
28	11.599	874	876	877	rBV	1158191	1220260	8.46%	0.552%
29	11.634	877	879	880	rVV	1504796	1553757	10.77%	0.703%
30	11.679	880	883	884	rVV	598828	677265	4.69%	0.306%
31	11.714	884	886	891	rVB2	2847446	3718336	25.78%	1.682%
32	11.805	891	894	895	rBV2	168832	327653	2.27%	0.148%
33	11.897	900	902	903	rBV	997729	965131	6.69%	0.437%
34	11.919	903	904	907	rVB	791211	912411	6.32%	0.413%

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.045	912	915	916	rBV2	376679	490896	3.40%	0.222%
36	12.079	916	918	922	rVB3	399403	857641	5.95%	0.388%
37	12.148	922	924	926	rBV	889660	1246240	8.64%	0.564%
38	12.182	926	927	930	rVB	408194	455553	3.16%	0.206%
39	12.239	930	932	935	rVB2	597892	790604	5.48%	0.358%
40	12.331	935	940	942	rBV	7535170	14414285	99.92%	6.520%
41	12.365	942	943	946	rVB3	382563	491742	3.41%	0.222%
42	12.457	948	951	952	rBV	948309	1000829	6.94%	0.453%
43	12.548	955	959	961	rVV3	6695603	14426117	100.00%	6.525%
44	12.594	961	963	966	rVB3	769671	1398815	9.70%	0.633%
45	12.651	966	968	970	rBV	928993	1666899	11.55%	0.754%
46	12.685	970	971	974	rVB	3305203	3898916	27.03%	1.764%
47	12.754	974	977	981	rBV4	904185	2100178	14.56%	0.950%
48	12.868	983	987	989	rBV	2624198	3749728	25.99%	1.696%
49	12.937	991	993	994	rBV	2012229	2618425	18.15%	1.184%
50	12.971	994	996	999	rVV2	1303548	3021367	20.94%	1.367%
51	13.017	999	1000	1002	rVV2	232861	310140	2.15%	0.140%
52	13.051	1002	1003	1005	rVV	729247	714153	4.95%	0.323%
53	13.085	1005	1006	1008	rVV	1093120	924325	6.41%	0.418%
54	13.120	1008	1009	1011	rVB2	289975	396362	2.75%	0.179%
55	13.177	1011	1014	1015	rVB3	167010	308229	2.14%	0.139%
56	13.280	1017	1023	1027	rBV3	762845	2010938	13.94%	0.910%
57	13.371	1027	1031	1033	rBV2	821159	1711597	11.86%	0.774%
58	13.474	1037	1040	1041	rBV	1779107	2272178	15.75%	1.028%
59	13.508	1041	1043	1045	rVV2	1136981	2536696	17.58%	1.147%
60	13.577	1048	1049	1053	rVB	895416	1222449	8.47%	0.553%
61	13.645	1053	1055	1057	rVB	383753	444156	3.08%	0.201%
62	13.725	1057	1062	1064	rBV2	5007959	12071999	83.68%	5.461%
63	13.771	1064	1066	1068	rVV	5315980	7074059	49.04%	3.200%
64	13.840	1068	1072	1073	rVV2	1828715	2486777	17.24%	1.125%
65	13.874	1073	1075	1077	rVV2	480467	1059635	7.35%	0.479%
66	13.920	1077	1079	1081	rVV2	889366	1410215	9.78%	0.638%
67	13.954	1081	1082	1088	rVB2	1052650	1506417	10.44%	0.681%
68	14.045	1088	1090	1091	rBV	305387	482002	3.34%	0.218%
69	14.068	1091	1092	1093	rBV	369591	433736	3.01%	0.196%
70	14.114	1093	1096	1097	rVV	1473520	1733793	12.02%	0.784%
71	14.148	1097	1099	1100	rVV2	503050	634238	4.40%	0.287%

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Sampling : 1 Min Area: 3 % of largest Peak
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72	14.205	1101	1104	1105	rVV3	850748	1005796	6.97%	0.455%
73	14.251	1105	1108	1110	rVB4	1095709	1980384	13.73%	0.896%
74	14.354	1116	1117	1120	rVB2	268967	299036	2.07%	0.135%
75	14.411	1120	1122	1127	rBV4	714610	1860303	12.90%	0.841%
76	14.480	1127	1128	1130	rVV2	291091	413574	2.87%	0.187%
77	14.514	1130	1131	1133	rVB	421403	430021	2.98%	0.195%
78	14.583	1134	1137	1140	rVV2	457816	806283	5.59%	0.365%
79	14.731	1146	1150	1153	rBV	4219186	10853805	75.24%	4.909%
80	14.811	1155	1157	1159	rVV	1113314	1504019	10.43%	0.680%
81	14.903	1161	1165	1166	rBV3	391892	1035234	7.18%	0.468%
82	14.971	1169	1171	1174	rVV	2328139	4306151	29.85%	1.948%
83	15.040	1174	1177	1178	rVV	3583544	5570871	38.62%	2.520%
84	15.108	1178	1183	1186	rVB3	1465581	2837518	19.67%	1.283%
85	15.440	1209	1212	1214	rBV	212468	396328	2.75%	0.179%
86	15.474	1214	1215	1217	rVV2	219924	415781	2.88%	0.188%
87	15.531	1218	1220	1225	rVV	380099	839809	5.82%	0.380%
88	16.137	1269	1273	1281	rBV3	437244	1611949	11.17%	0.729%
89	16.308	1282	1288	1291	rVV	1889326	4135075	28.66%	1.870%
90	16.434	1296	1299	1301	rBV	457542	857989	5.95%	0.388%
91	16.491	1301	1304	1306	rVB	275438	471648	3.27%	0.213%
92	16.674	1315	1320	1326	rBV	1517447	3780065	26.20%	1.710%
93	16.777	1326	1329	1333	rVV4	157708	514023	3.56%	0.233%
94	16.857	1333	1336	1342	rVB2	589105	1364764	9.46%	0.617%
95	17.611	1399	1402	1409	rVB3	105704	340018	2.36%	0.154%
96	18.503	1473	1480	1486	rVB	434177	1618012	11.22%	0.732%
97	18.652	1487	1493	1497	rBV	334876	1342846	9.31%	0.607%
98	19.189	1536	1540	1548	rVB2	106828	429050	2.97%	0.194%
99	19.429	1555	1561	1562	rBV2	156371	538076	3.73%	0.243%
100	19.497	1563	1567	1571	rVB	289415	975792	6.76%	0.441%

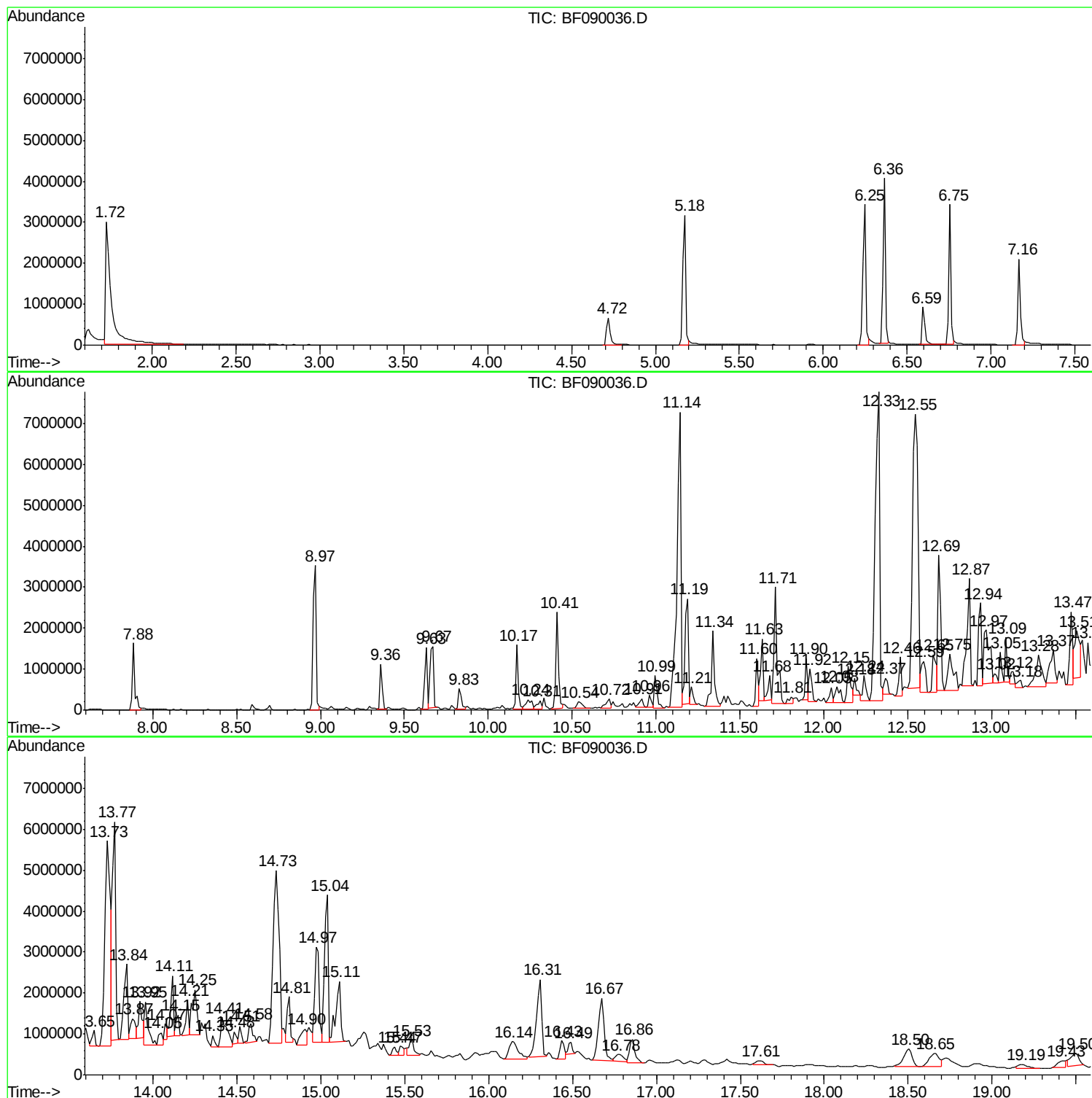
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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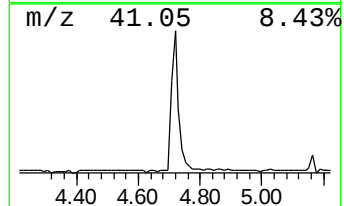
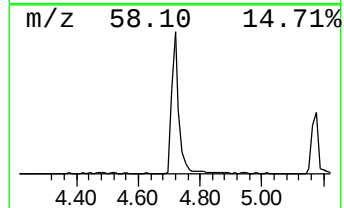
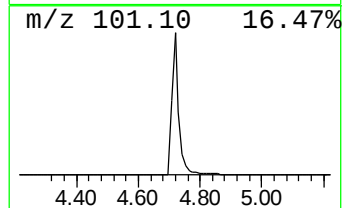
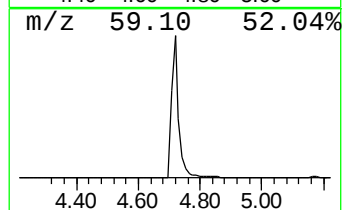
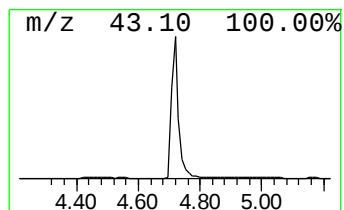
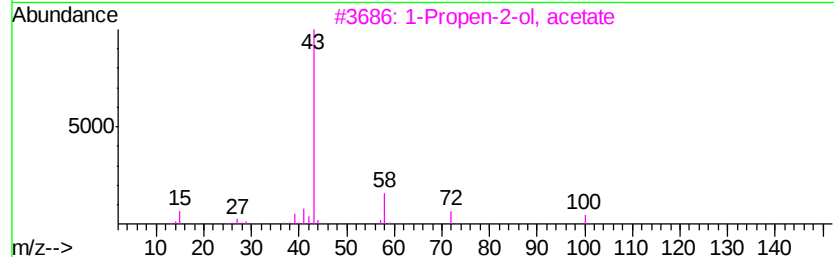
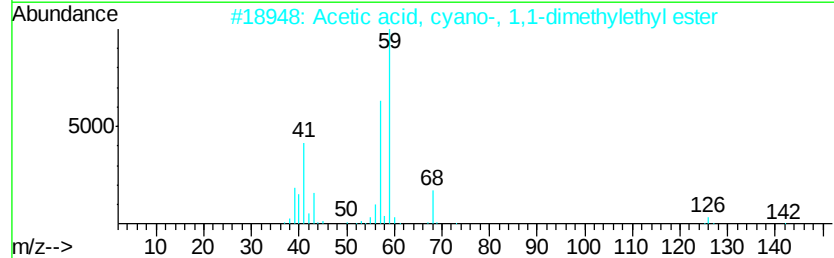
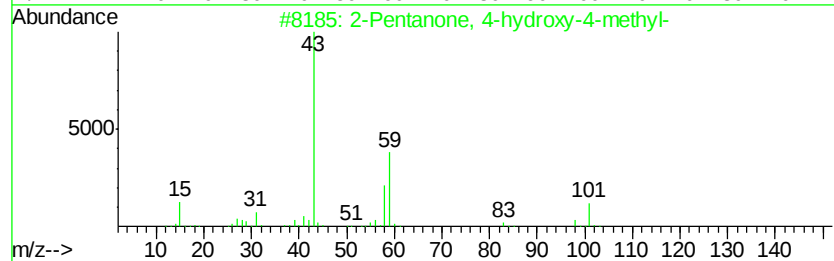
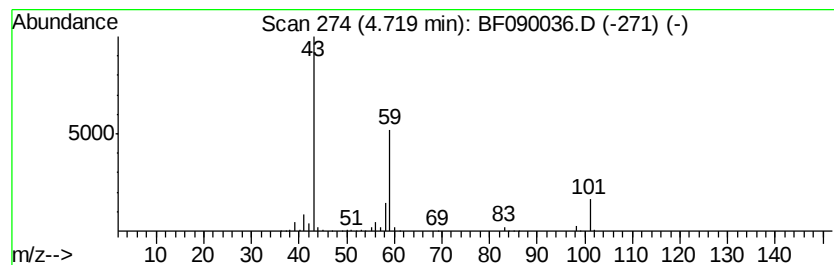
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.72	18.21 ng	1041740	1,4-Dichlorobenzene-d4	6.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4		2-Butanone, 3-ethoxy-3-methyl-	130	C7H14O2	036687-99-7	9
5		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9



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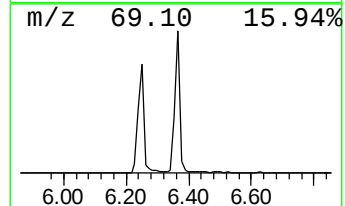
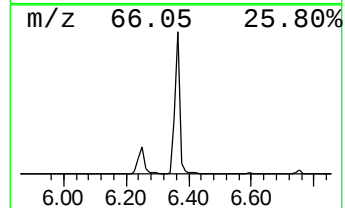
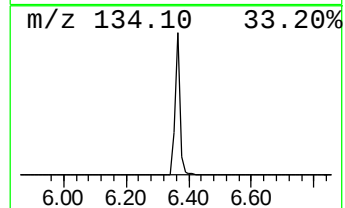
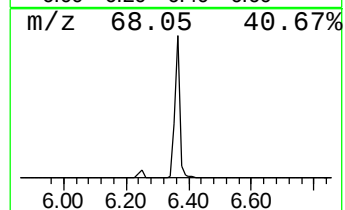
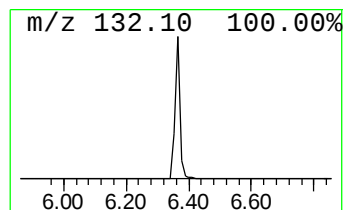
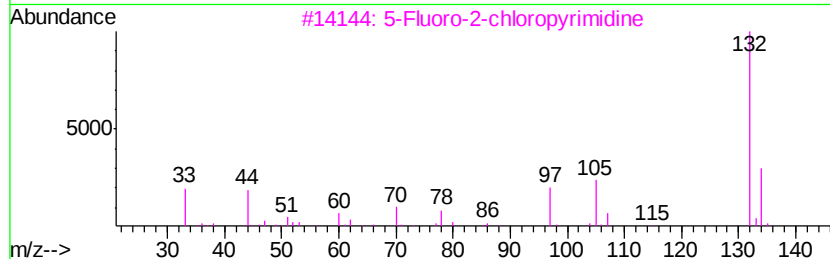
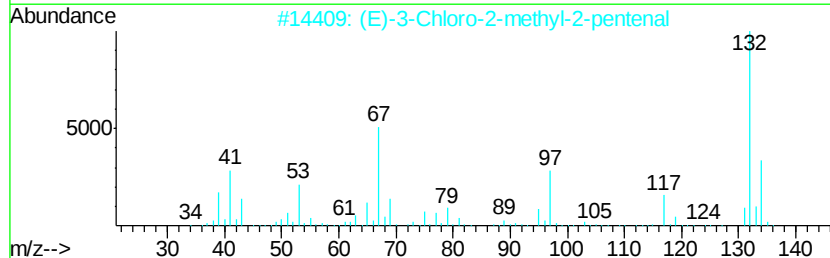
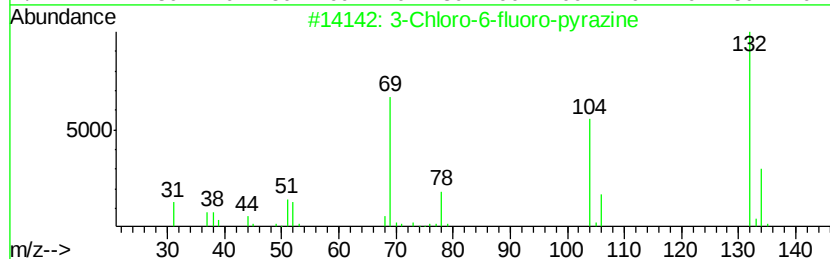
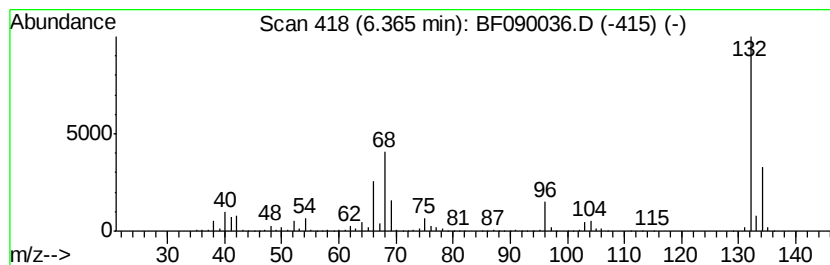
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.36 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	70.48 ng	4032440	1,4-Dichlorobenzene-d4	6.59

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10



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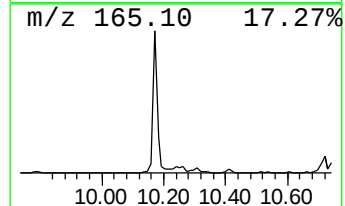
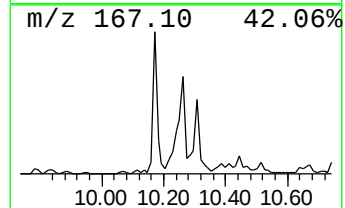
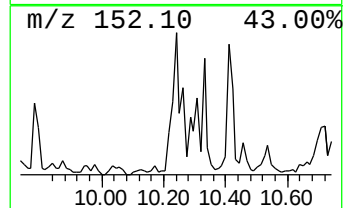
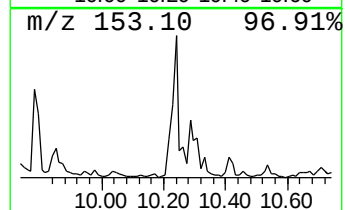
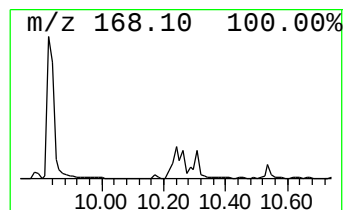
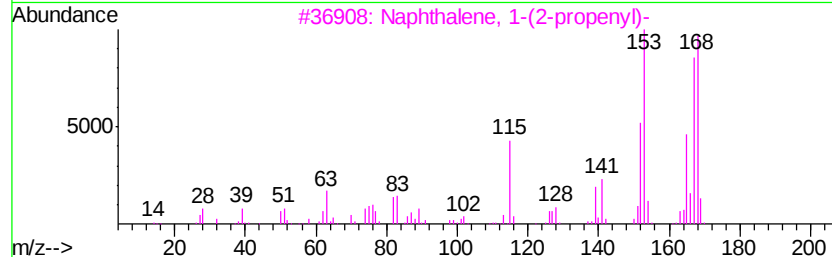
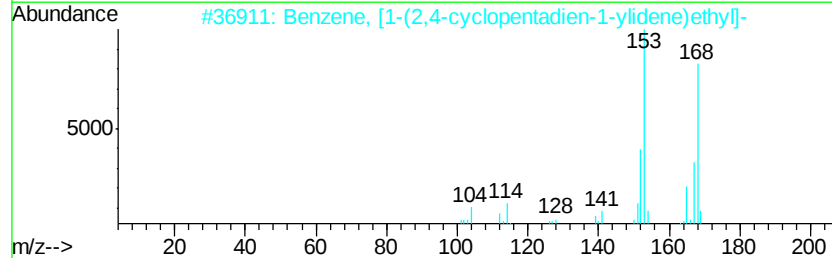
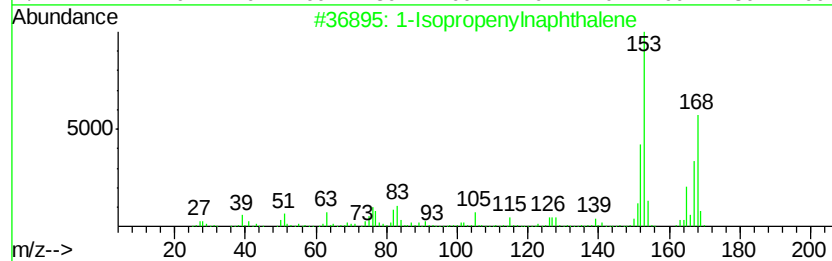
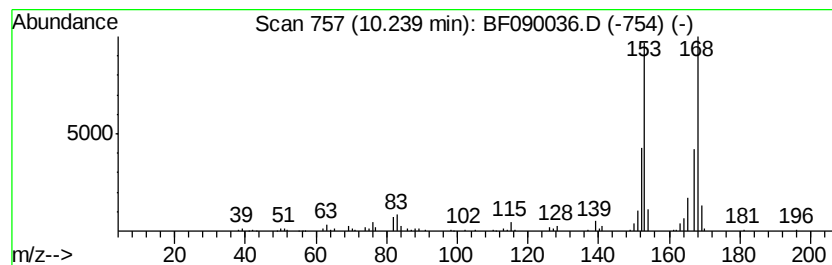
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1-Isopropenylnaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	6.99 ng	574415	Acenaphthene-d10	9.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	94
2		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
3		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64
5		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090036.D
Acq On : 8 Sep 2016 20:46
Operator : UM/SJ
Sample : H4704-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-7-3.0-4.0

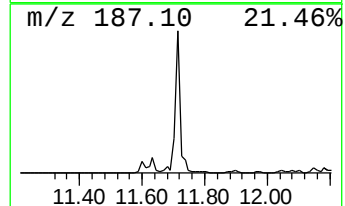
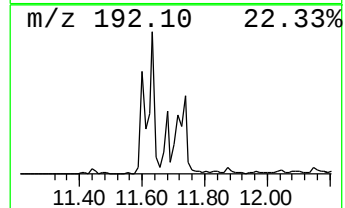
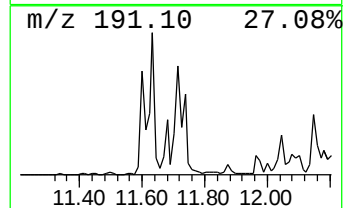
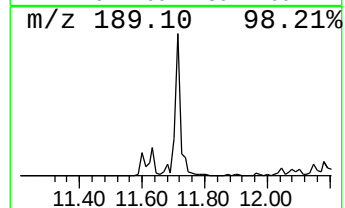
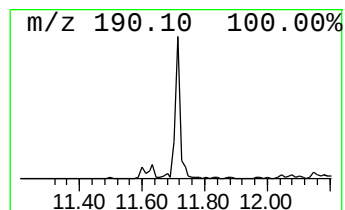
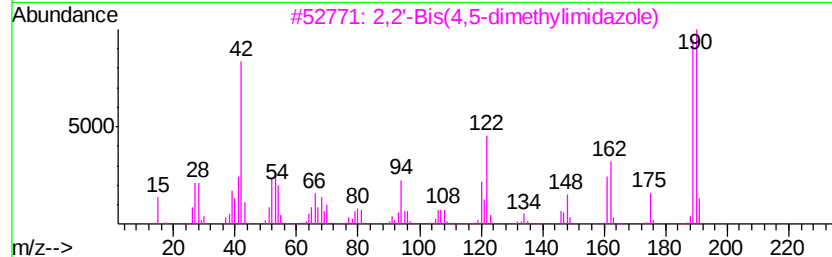
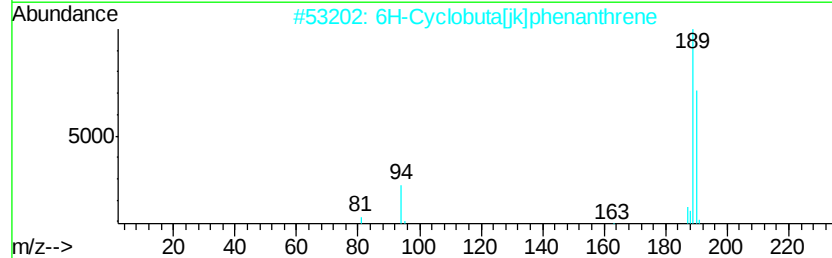
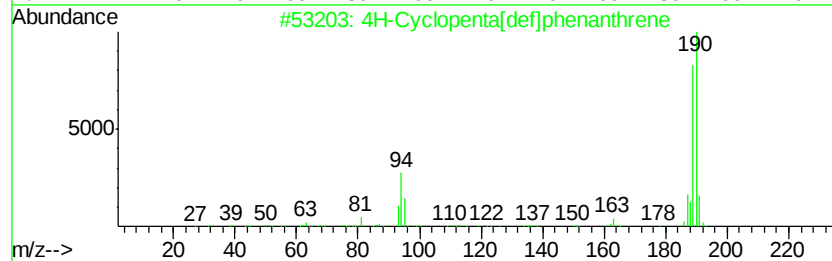
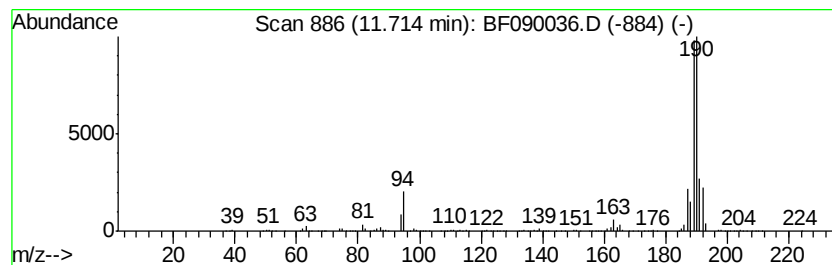
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	6.32 ng	3718340	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	Methyl diselenide	190	C2H6Se2	007101-31-7	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090036.D
Acq On : 8 Sep 2016 20:46
Operator : UM/SJ
Sample : H4704-07
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ClientSampleId :
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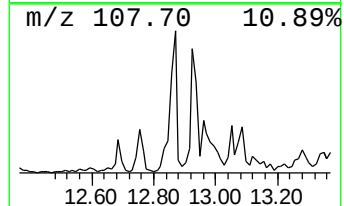
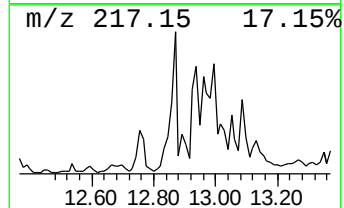
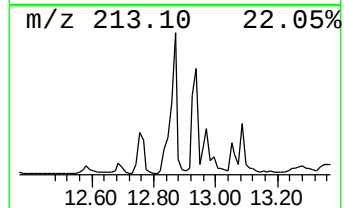
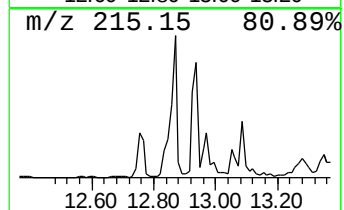
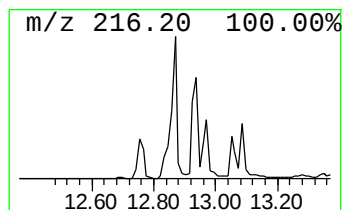
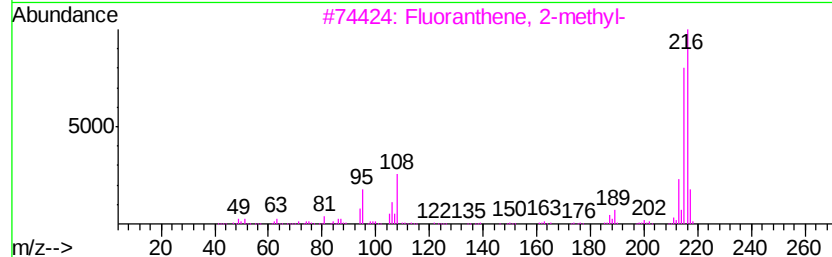
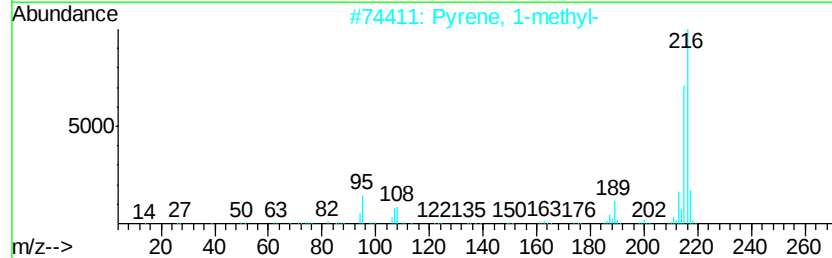
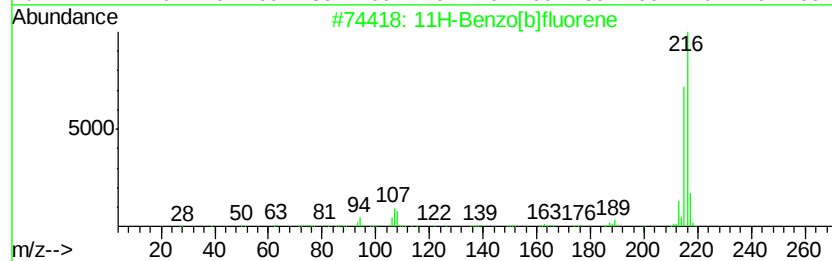
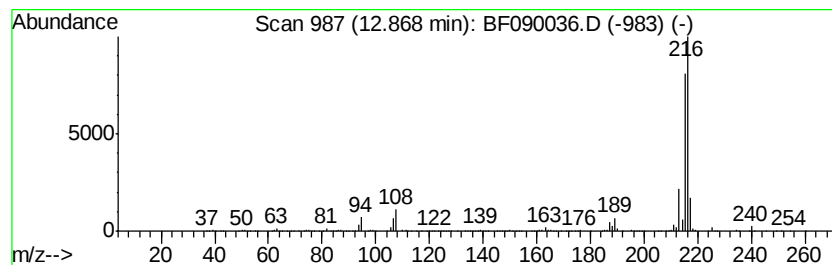
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	6.21 ng	3749730	Chrysene-d12	13.74

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090036.D
Acq On : 8 Sep 2016 20:46
Operator : UM/SJ
Sample : H4704-07
Misc :
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Instrument :
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ClientSampleId :
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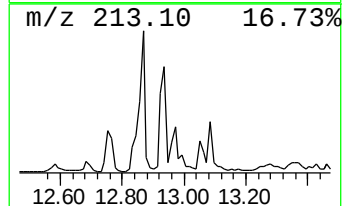
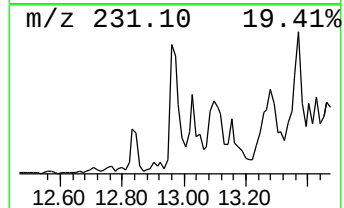
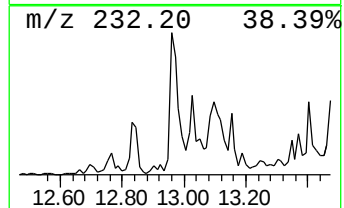
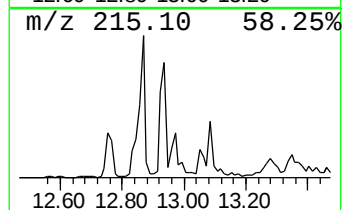
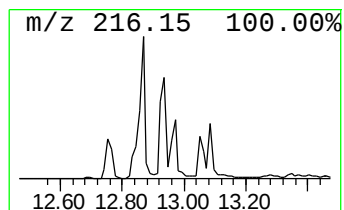
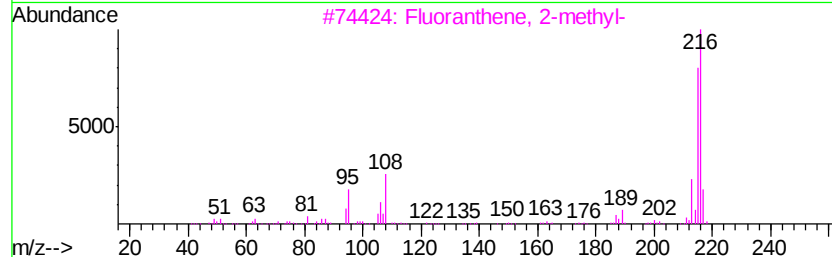
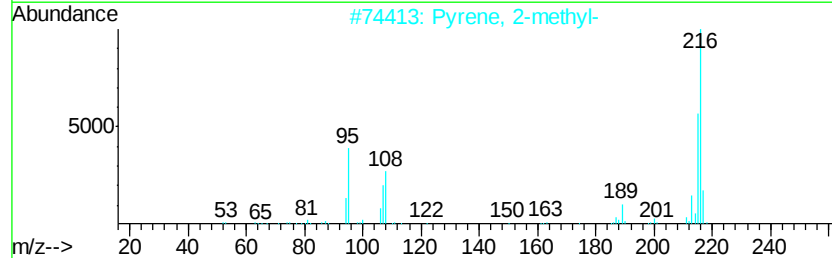
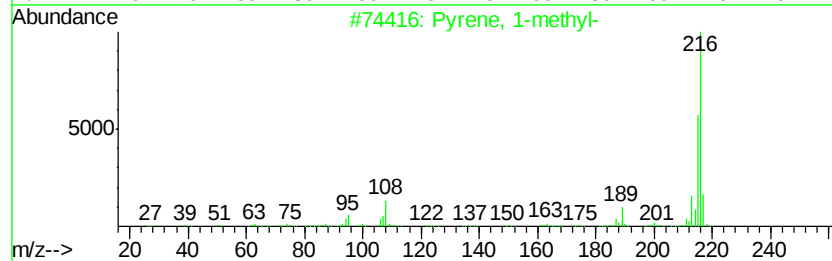
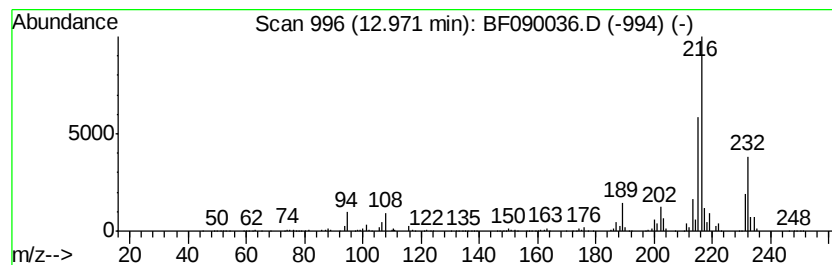
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	5.01 ng	3021370	Chrysene-d12	13.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55
5		1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090036.D
Acq On : 8 Sep 2016 20:46
Operator : UM/SJ
Sample : H4704-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

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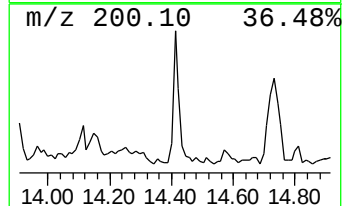
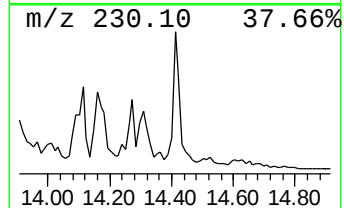
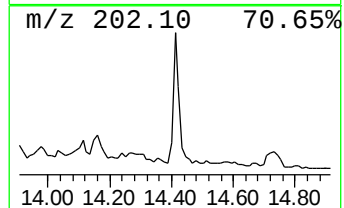
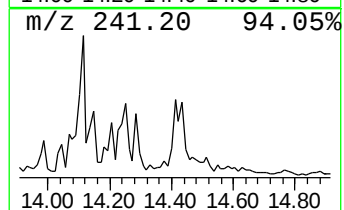
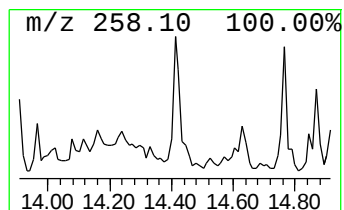
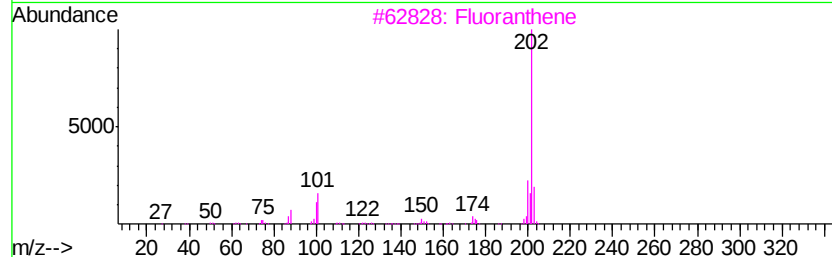
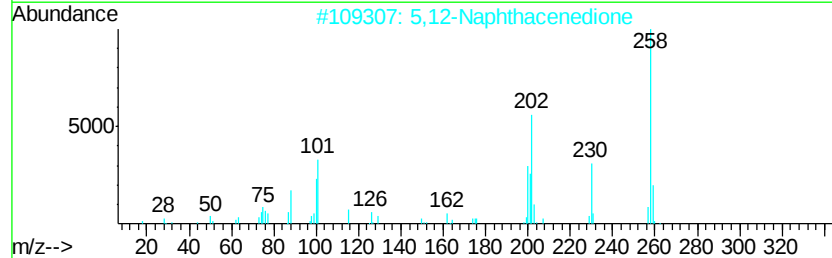
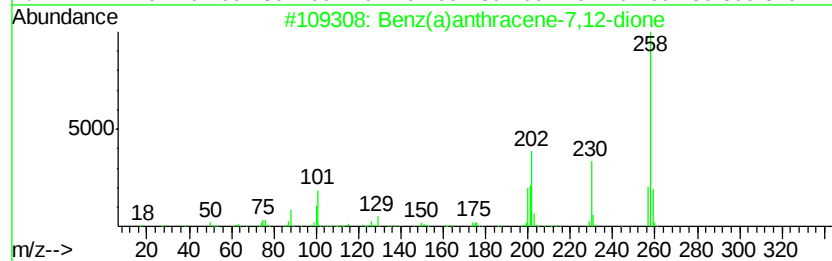
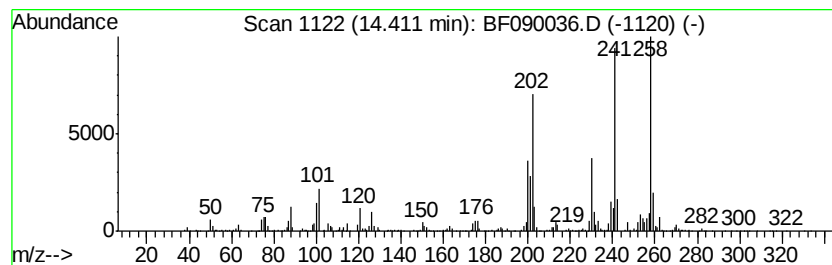
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benz(a)anthracene-7,12-dione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	13.11 ng	1860300	Perylene-d12	15.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3		Fluoranthene	202	C16H10	000206-44-0	59
4		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	53
5		1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090036.D
Acq On : 8 Sep 2016 20:46
Operator : UM/SJ
Sample : H4704-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

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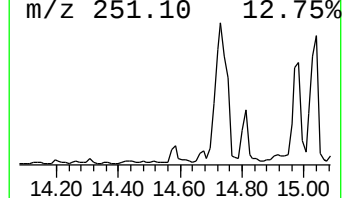
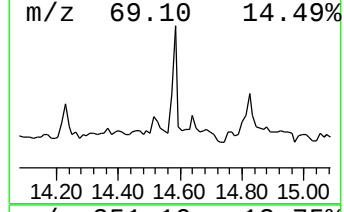
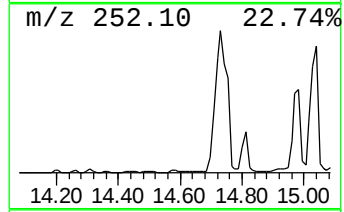
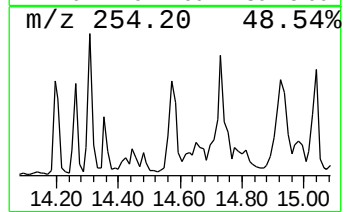
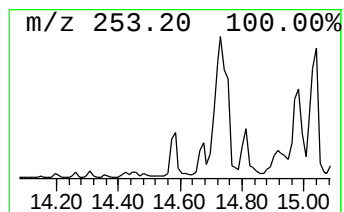
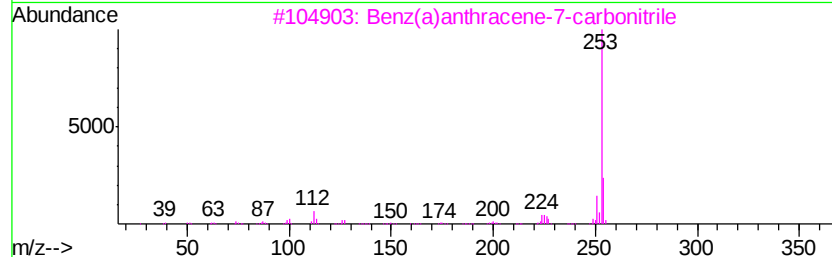
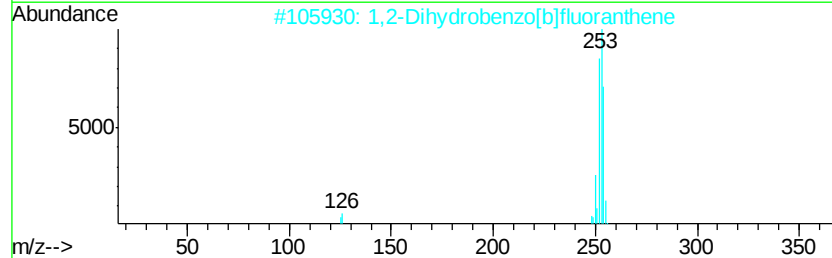
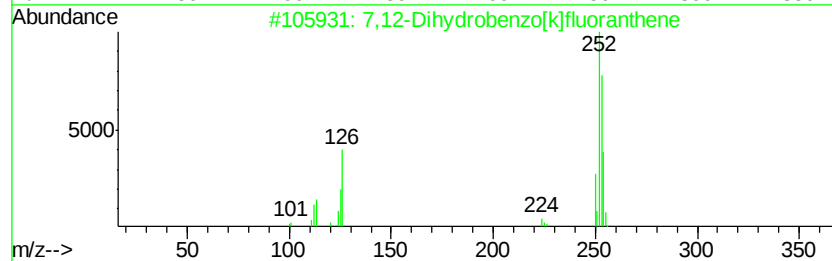
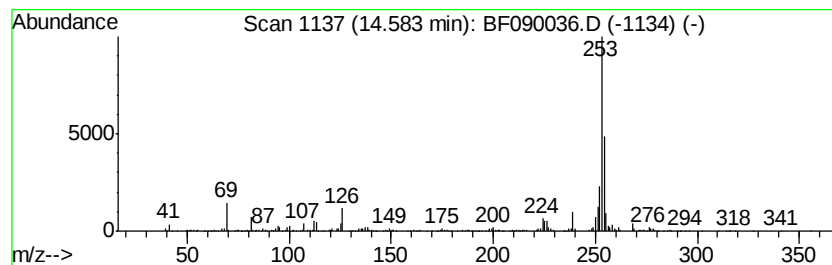
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	5.68 ng	806283	Perylene-d12	15.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
2			1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	59
3			Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
4			2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	50
5			Benzofuran-5,6-diol-3-one, 2-ben...	254	C15H10O4	1000128-65-2	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
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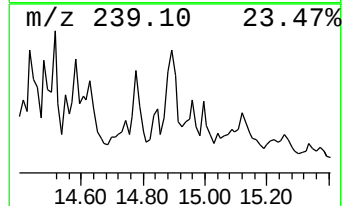
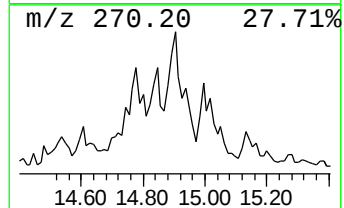
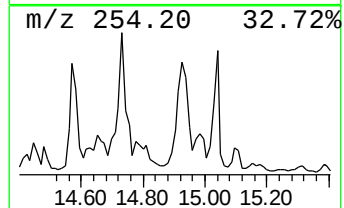
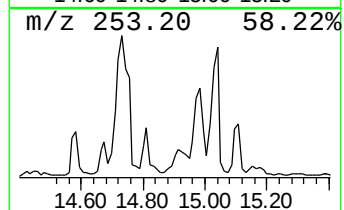
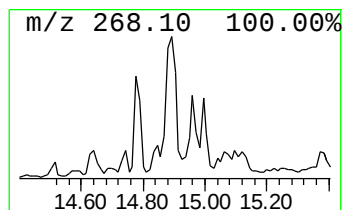
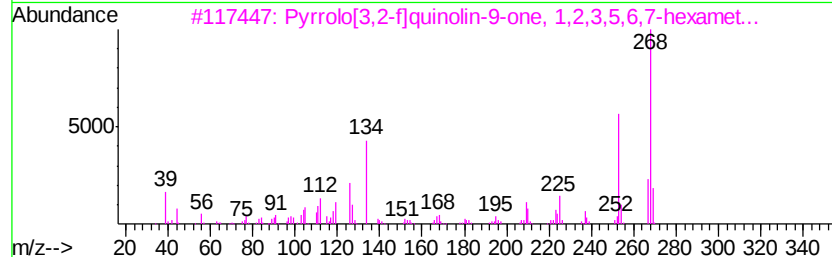
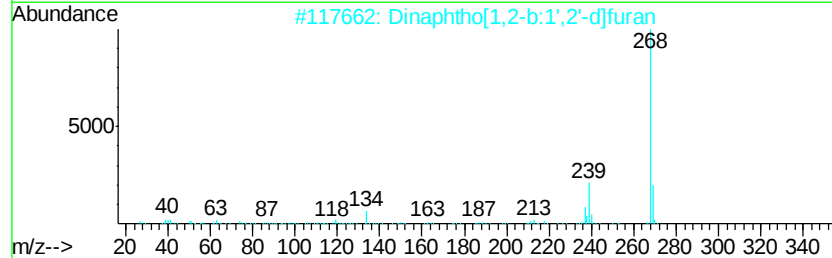
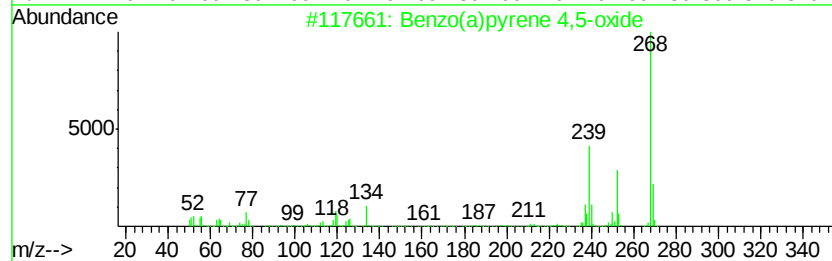
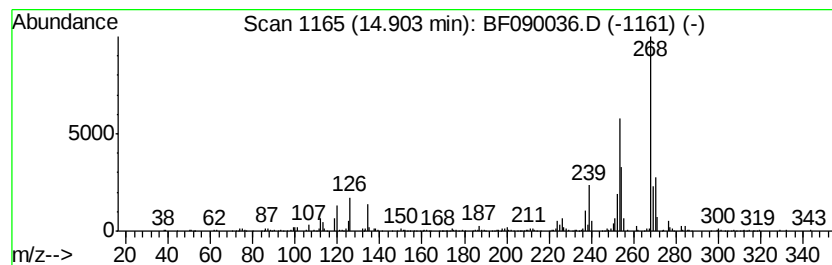
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo(a)pyrene 4,5-oxide Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	7.30 ng	1035230	Perylene-d12	15.07
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo(a)pyrene 4,5-oxide	268 C20H12O	037574-47-3 78
2		Dinaphtho[1,2-b:1',2'-d]furan	268 C20H12O	000207-93-2 50
3		Pyrrolo[3,2-f]quinolin-9-one, 1,...	268 C17H20N2O	1000302-73-3 49
4		(-)-2-Methylcholanthrene	268 C21H16	1000126-56-2 47
5		(+)-2-Methylcholanthrene	268 C21H16	1000126-56-1 47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090036.D
Acq On : 8 Sep 2016 20:46
Operator : UM/SJ
Sample : H4704-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

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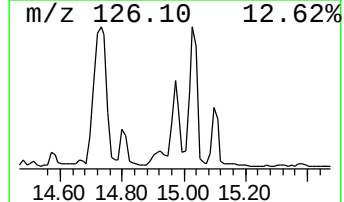
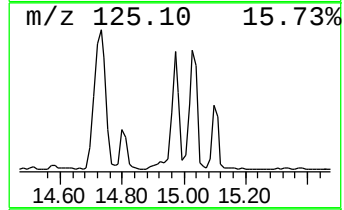
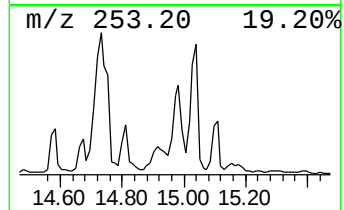
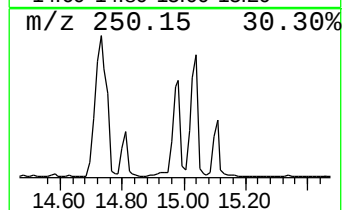
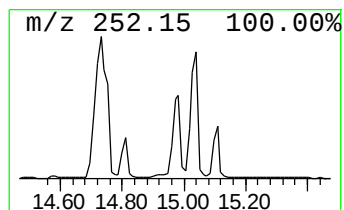
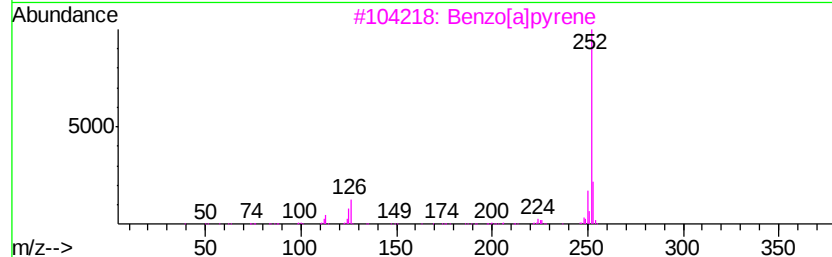
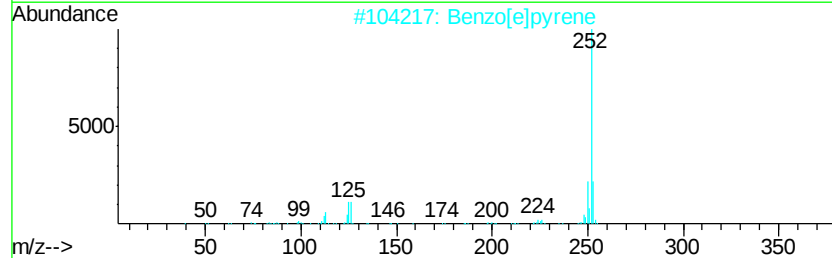
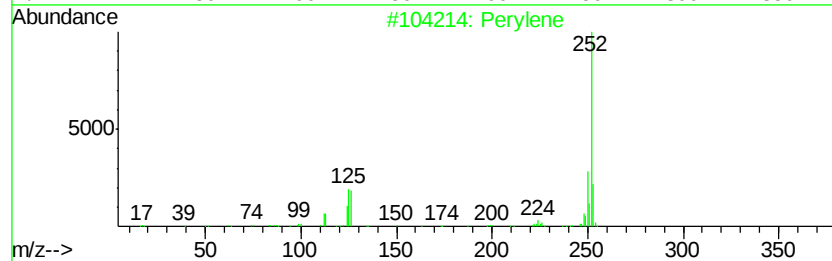
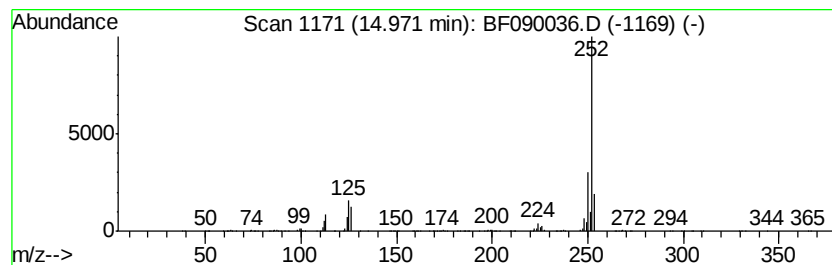
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	30.35 ng	4306150	Perylene-d12	15.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	98
3		Benzo[a]pyrene	252	C20H12	000050-32-8	96
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090036.D
Acq On : 8 Sep 2016 20:46
Operator : UM/SJ
Sample : H4704-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-7-3.0-4.0

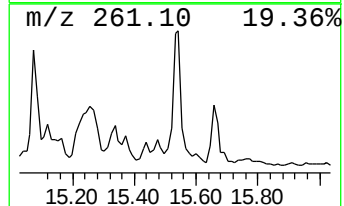
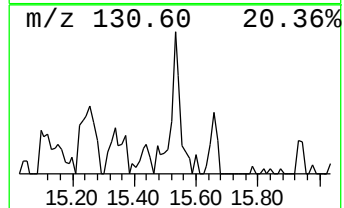
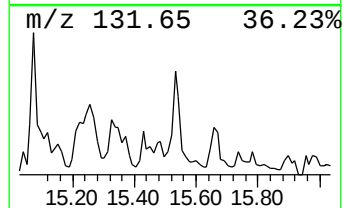
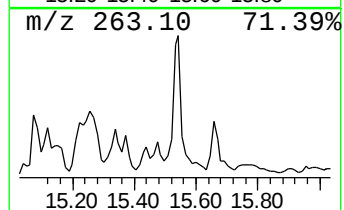
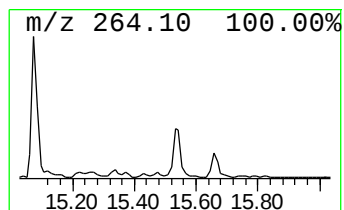
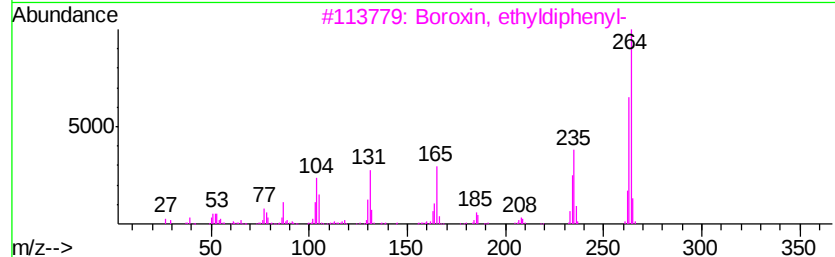
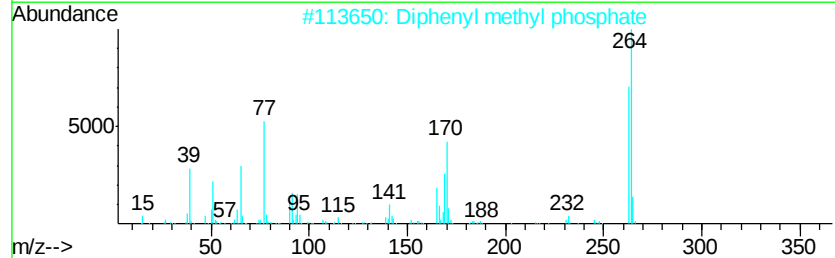
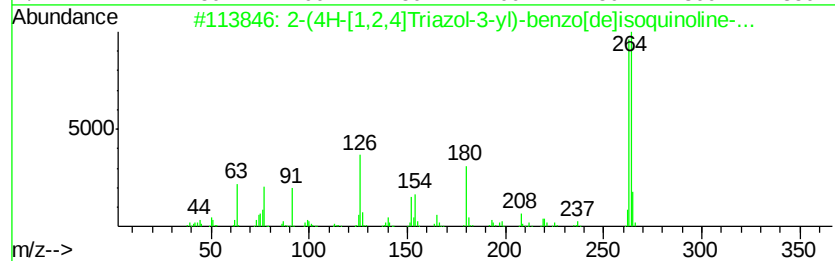
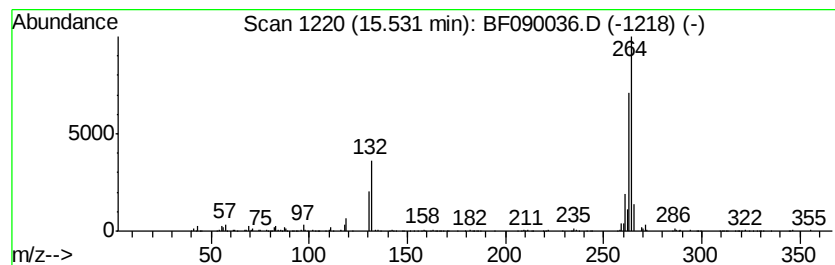
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 2-(4H-[1,2,4]Triazol-3-yl)-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	5.92 ng	839809	Perylene-d12	15.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	50
2		Diphenyl methyl phosphate	264	C13H13O4P	000115-89-9	38
3		Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	33
4		7-Carbomethoxy-5,8-dimethoxy-1-t...	264	C14H16O5	122136-07-6	25
5		2-Oxo-6-phenyl-4-(4-hydroxypheny...	264	C16H12N2O2	161200-20-0	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090036.D
Acq On : 8 Sep 2016 20:46
Operator : UM/SJ
Sample : H4704-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-7-3.0-4.0

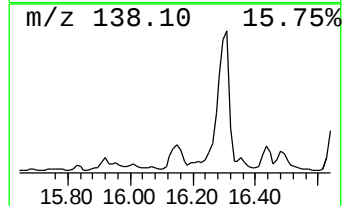
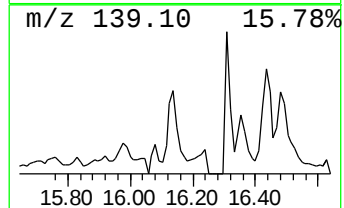
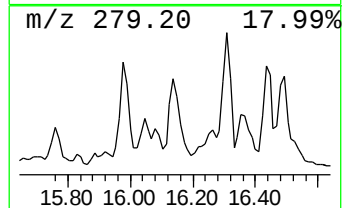
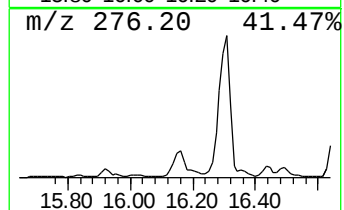
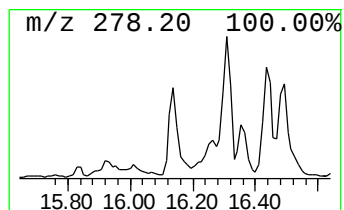
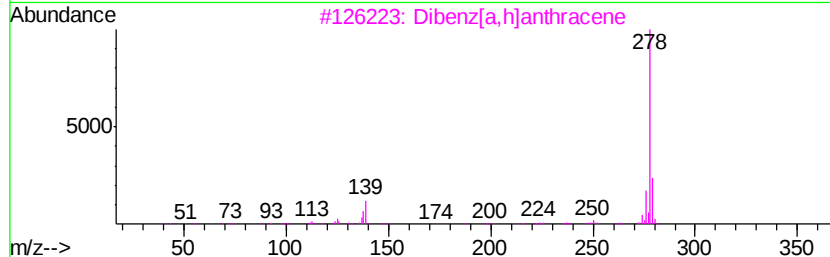
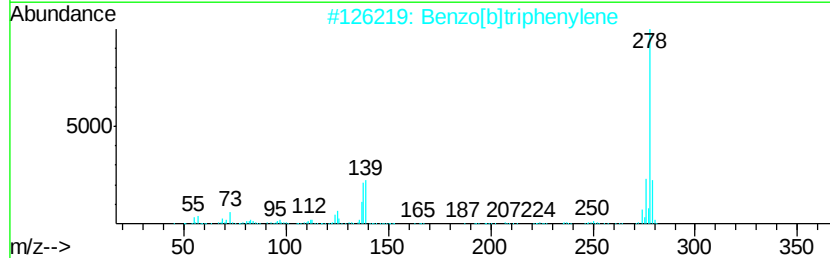
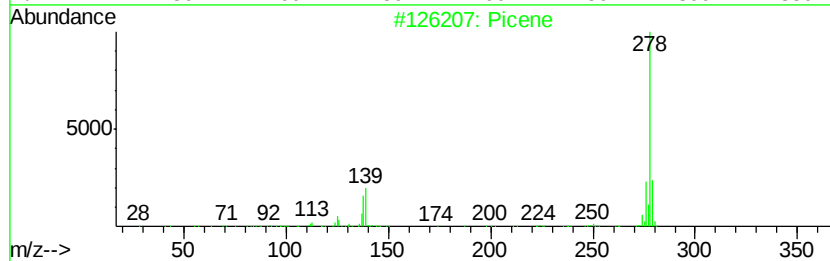
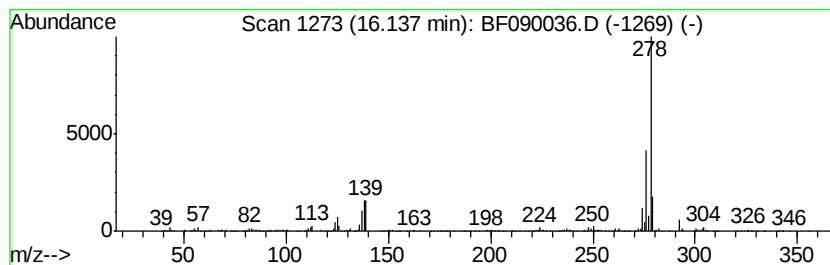
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Picene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	11.36 ng	1611950	Perylene-d12	15.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	91
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	86
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	64
4		Pyrene, 1-phenyl-	278	C22H14	005101-27-9	60
5		Pentaphene	278	C22H14	000222-93-5	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090036.D
Acq On : 8 Sep 2016 20:46
Operator : UM/SJ
Sample : H4704-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-7-3.0-4.0

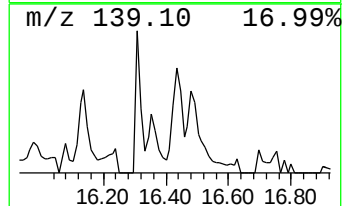
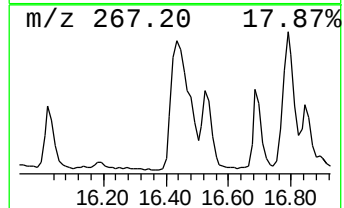
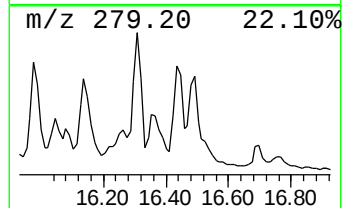
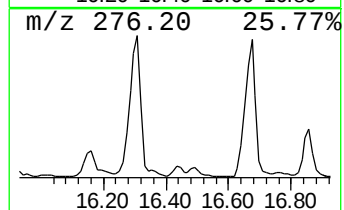
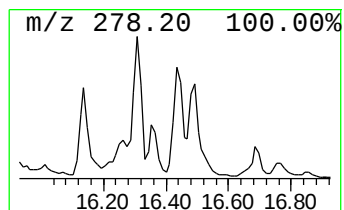
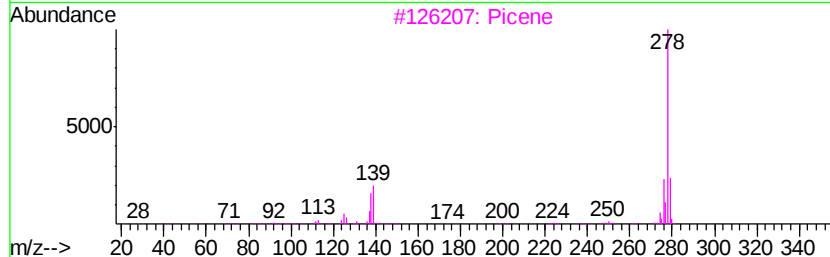
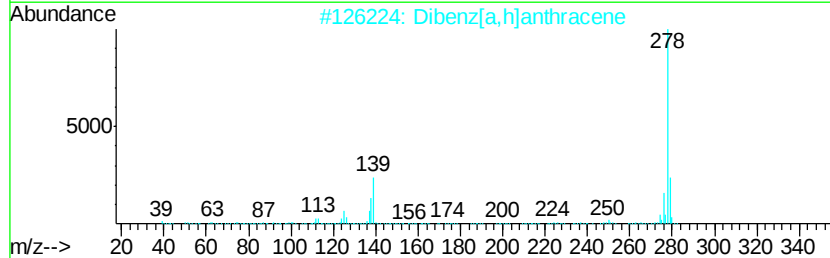
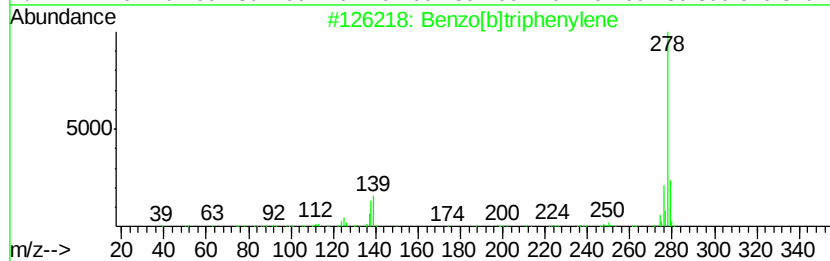
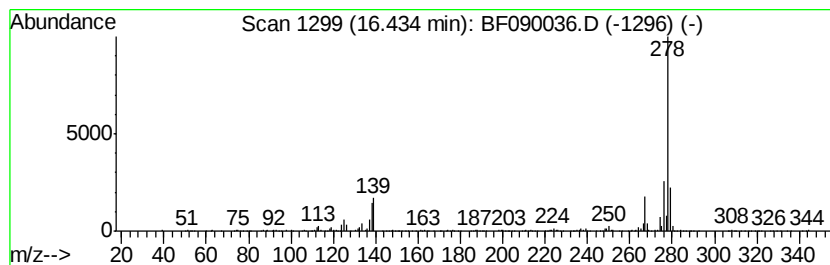
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	6.05 ng	857989	Perylene-d12	15.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3			Picene	278	C22H14	000213-46-7	93
4			Benzo[a]naphthacene	278	C22H14	000226-88-0	93
5			Benzo[b]chrysene	278	C22H14	000214-17-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090036.D
Acq On : 8 Sep 2016 20:46
Operator : UM/SJ
Sample : H4704-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

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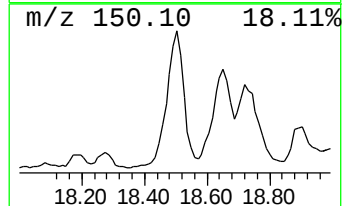
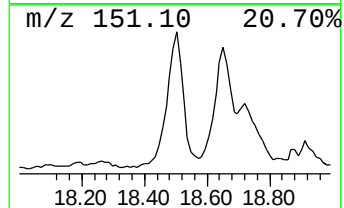
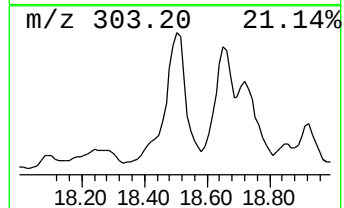
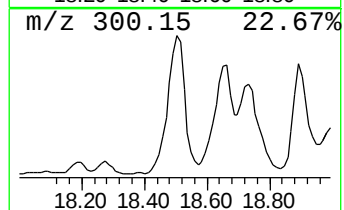
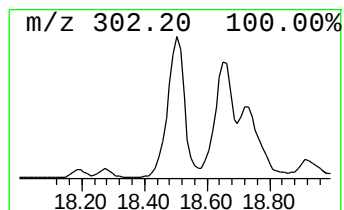
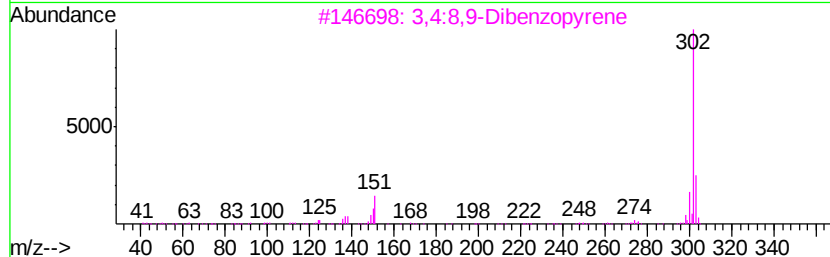
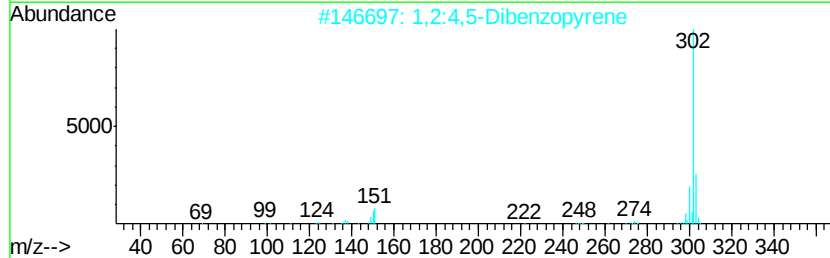
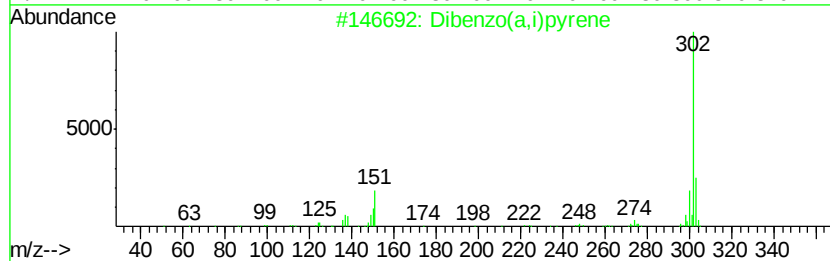
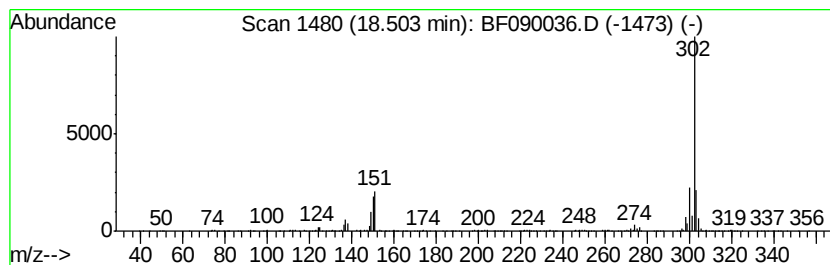
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenzo(a,i)pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	11.40 ng	1618010	Perylene-d12	15.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	98
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	90
5		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
Data File : BF090036.D
Acq On : 8 Sep 2016 20:46
Operator : UM/SJ
Sample : H4704-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

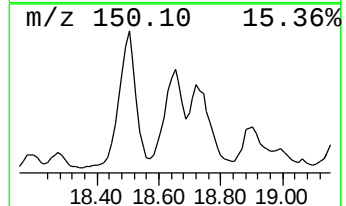
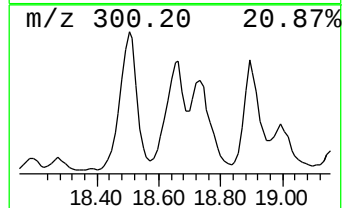
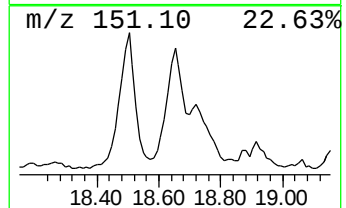
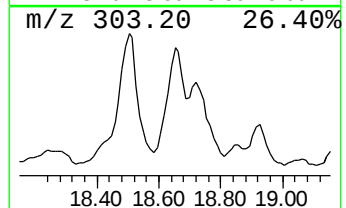
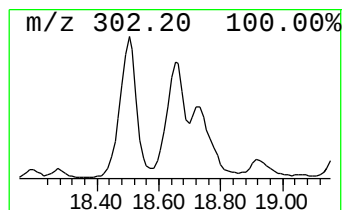
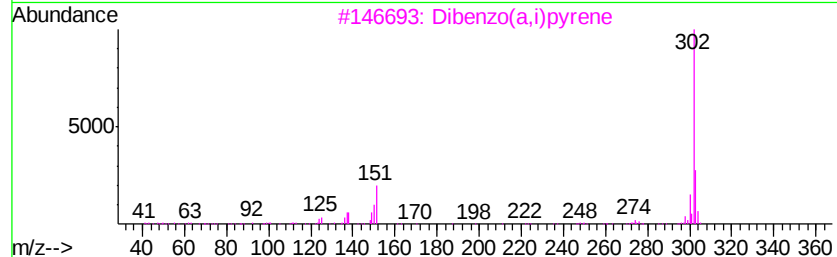
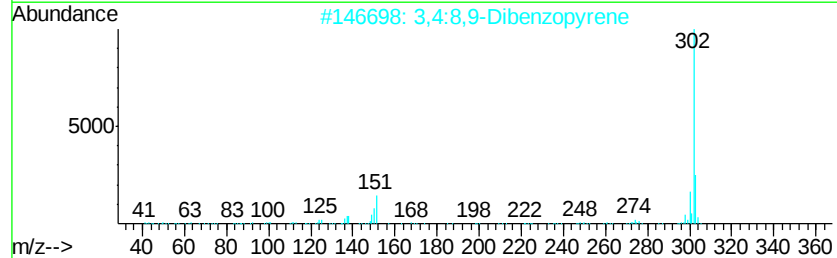
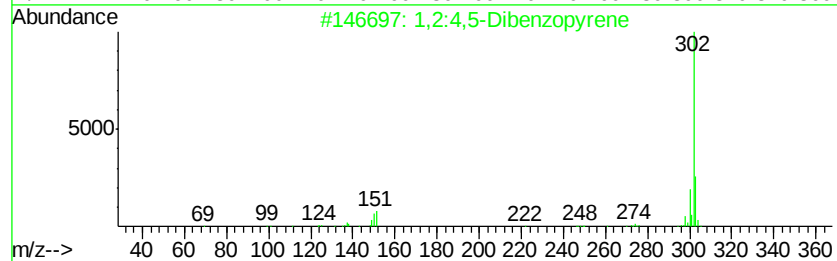
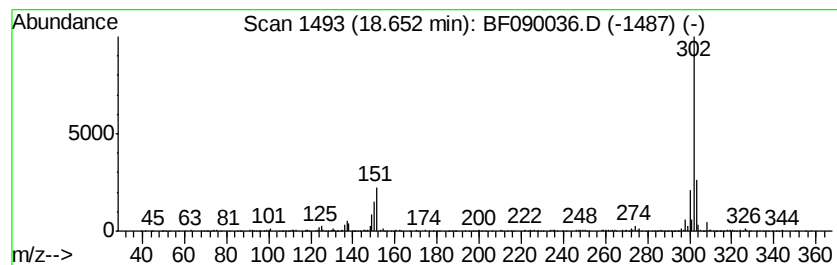
Instrument :
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ClientSampleId :
SB-7-3.0-4.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
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 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.65	9.46 ng	1342850	Perylene-d12	15.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	98
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
3	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	90
4	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	64
5	Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
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Sample : H4704-07
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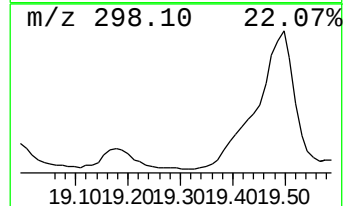
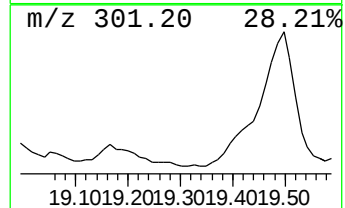
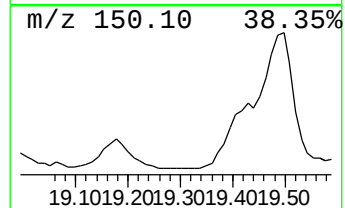
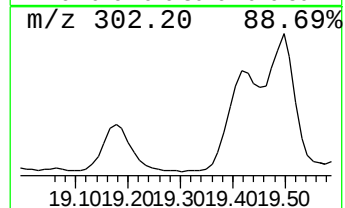
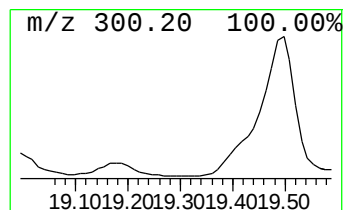
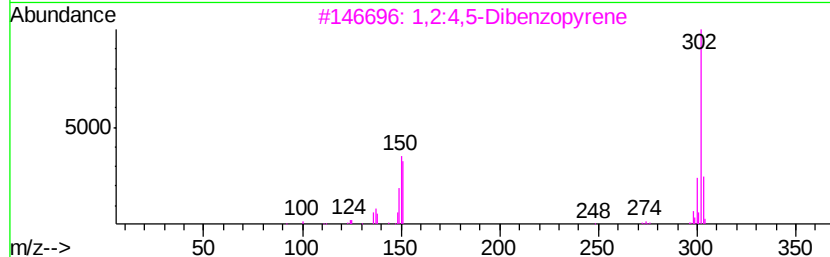
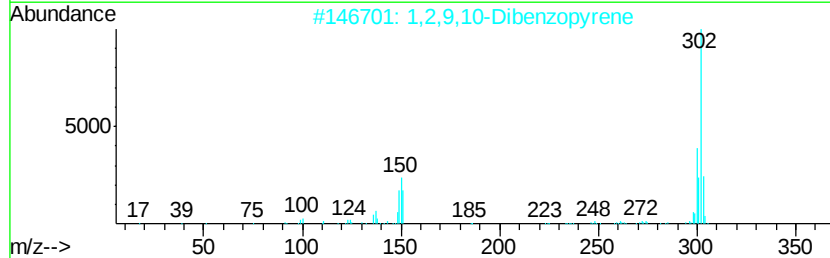
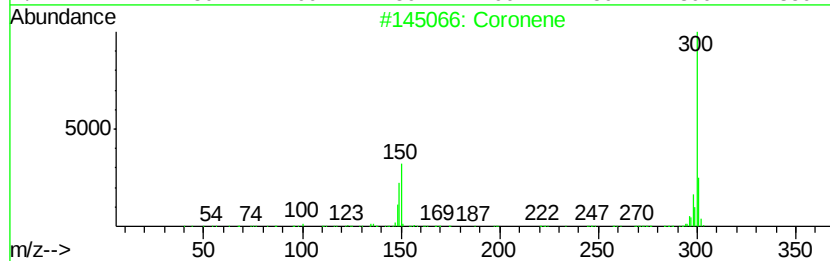
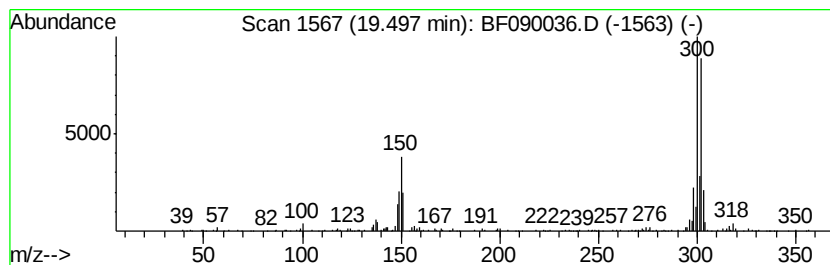
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Coronene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.50	6.88 ng	975792	Perylene-d12	15.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coronene	300	C24H12	000191-07-1	95
2	1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	78
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	43
4	Hesperetin	302	C16H14O6	000520-33-2	43
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
 Data File : BF090036.D
 Acq On : 8 Sep 2016 20:46
 Operator : UM/SJ
 Sample : H4704-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7-3.0-4.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.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...	4.72	18.2	ng	1041740	1	6.59	1144250	20.0
unknown6.36	6.36	70.5	ng	4032440	1	6.59	1144250	20.0
1-Isopropenyl naph...	10.24	7.0	ng	574415	3	9.63	1642720	20.0
4H-Cyclopenta[def...	11.71	6.3	ng	3718340	4	11.11	11758400	20.0
11H-Benzo[b]fluorene	12.87	6.2	ng	3749730	5	13.74	12072000	20.0
Pyrene, 1-methyl-	12.97	5.0	ng	3021370	5	13.74	12072000	20.0
Benz(a)anthracene...	14.41	13.1	ng	1860300	6	15.07	2837520	20.0
7,12-Dihydrobenzo...	14.58	5.7	ng	806283	6	15.07	2837520	20.0
Benzo(a)pyrene 4,...	14.90	7.3	ng	1035230	6	15.07	2837520	20.0
Benzo[e]pyrene	14.97	30.4	ng	4306150	6	15.07	2837520	20.0
2-(4H-[1,2,4]Tria...	15.53	5.9	ng	839809	6	15.07	2837520	20.0
Picene	16.14	11.4	ng	1611950	6	15.07	2837520	20.0
Benzo[b]triphenylene	16.43	6.0	ng	857989	6	15.07	2837520	20.0
Dibenzo(a,i)pyrene	18.50	11.4	ng	1618010	6	15.07	2837520	20.0
1,2:4,5-Dibenzopy...	18.65	9.5	ng	1342850	6	15.07	2837520	20.0
Coronene	19.50	6.9	ng	975792	6	15.07	2837520	20.0