

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086948.D
 Acq On : 12 May 2016 23:48
 Operator : UM/SJ
 Sample : H2994-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CH-STA-1767-00(0-2)

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

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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	1.633	3	4	12	rVB	461672	712197	12.58%	0.826%
2	1.747	12	14	58	rVB	2327007	5660192	100.00%	6.564%
3	4.753	276	277	286	rBV	231923	440450	7.78%	0.511%
4	5.221	315	318	320	rBV	2238532	3058714	54.04%	3.547%
5	6.284	409	411	414	rBV	2288137	3131037	55.32%	3.631%
6	6.399	418	421	423	rVV	2908916	3377219	59.67%	3.917%
7	6.444	423	425	429	rVB3	79814	139211	2.46%	0.161%
8	6.616	438	440	444	rBV	930252	1057410	18.68%	1.226%
9	6.776	452	454	457	rBV	2826858	2551341	45.08%	2.959%
10	7.199	488	491	493	rBV	2109710	2422228	42.79%	2.809%
11	7.907	551	553	557	rBV2	1534672	1722857	30.44%	1.998%
12	8.616	613	615	618	rVV	212351	263935	4.66%	0.306%
13	8.719	619	624	626	rBV	275904	280421	4.95%	0.325%
14	8.993	645	648	650	rBV	2551915	3142297	55.52%	3.644%
15	9.073	653	655	658	rVB2	111278	144552	2.55%	0.168%
16	9.245	668	670	672	rBV	91702	127936	2.26%	0.148%
17	9.313	675	676	678	rBV	155429	239295	4.23%	0.278%
18	9.393	681	683	684	rBV	329431	393799	6.96%	0.457%
19	9.439	684	687	690	rVB2	86838	174136	3.08%	0.202%
20	9.519	691	694	696	rBV	866432	773976	13.67%	0.898%
21	9.599	700	701	703	rBV	184727	187418	3.31%	0.217%
22	9.656	703	706	708	rBV	1499664	1367315	24.16%	1.586%
23	9.862	722	724	725	rVV	285184	254034	4.49%	0.295%
24	9.976	731	734	735	rBV2	89381	136658	2.41%	0.158%
25	10.056	739	741	743	rBV3	87444	145400	2.57%	0.169%
26	10.102	743	745	747	rVV	307246	272417	4.81%	0.316%
27	10.193	752	753	757	rVB2	195534	323535	5.72%	0.375%
28	10.319	761	764	766	rVV2	138873	224451	3.97%	0.260%
29	10.365	766	768	770	rVV	110471	194167	3.43%	0.225%
30	10.445	772	775	777	rVV	1828561	1819185	32.14%	2.110%
31	10.571	784	786	789	rBV	401629	576451	10.18%	0.669%
32	10.742	799	801	807	rVB5	77938	220699	3.90%	0.256%
33	10.879	810	813	817	rBV4	112001	306100	5.41%	0.355%
34	10.948	817	819	821	rVB	159415	193336	3.42%	0.224%

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35	11.016	824	825	829	rVB2	215883	372620	6.58%	0.432%
36	11.154	833	837	839	rBV2	1620019	2597858	45.90%	3.013%
37	11.211	839	842	843	rVB	673560	670505	11.85%	0.778%
38	11.245	843	845	848	rVB	141537	136193	2.41%	0.158%
39	11.371	853	856	860	rBV2	262697	490823	8.67%	0.569%
40	11.634	876	879	880	rBV	374423	345006	6.10%	0.400%
41	11.656	880	881	884	rVV2	381520	624057	11.03%	0.724%
42	11.736	887	888	894	rVB	443516	847438	14.97%	0.983%
43	11.851	896	898	901	rVB2	119470	180436	3.19%	0.209%
44	11.931	901	905	906	rBV2	245938	318187	5.62%	0.369%
45	11.954	906	907	910	rVB	256672	256082	4.52%	0.297%
46	12.079	915	918	919	rBV2	113796	182869	3.23%	0.212%
47	12.182	924	927	928	rBV	410652	449679	7.94%	0.522%
48	12.216	928	930	933	rVB3	223451	469409	8.29%	0.544%
49	12.274	933	935	937	rBV	283257	385034	6.80%	0.447%
50	12.342	939	941	944	rBV	3077135	3145999	55.58%	3.649%
51	12.388	944	945	948	rBV2	84604	169569	3.00%	0.197%
52	12.434	948	949	951	rVB	347167	266153	4.70%	0.309%
53	12.479	951	953	958	rVB5	168111	358151	6.33%	0.415%
54	12.571	958	961	963	rBV	3085375	3576194	63.18%	4.148%
55	12.628	963	966	968	rVB3	209376	410907	7.26%	0.477%
56	12.685	969	971	972	rBV	270825	270396	4.78%	0.314%
57	12.719	972	974	977	rVB	1941428	2056026	36.32%	2.385%
58	12.788	977	980	985	rBV3	430006	881436	15.57%	1.022%
59	12.891	985	989	991	rVB2	448028	1077771	19.04%	1.250%
60	12.959	991	995	997	rBV	324375	521235	9.21%	0.605%
61	12.994	997	998	1002	rVB	559858	677363	11.97%	0.786%
62	13.085	1005	1006	1008	rVB	287392	296186	5.23%	0.344%
63	13.119	1008	1009	1011	rBV	299157	268163	4.74%	0.311%
64	13.302	1023	1025	1028	rVB3	127090	205430	3.63%	0.238%
65	13.405	1030	1034	1038	rBV	734251	868020	15.34%	1.007%
66	13.508	1041	1043	1045	rBV	561052	822013	14.52%	0.953%
67	13.542	1045	1046	1047	rVV2	280797	279156	4.93%	0.324%
68	13.611	1051	1052	1054	rBV	503398	538352	9.51%	0.624%
69	13.759	1062	1065	1067	rBV2	2217742	4084486	72.16%	4.737%
70	13.794	1067	1068	1070	rVV	2069513	1719446	30.38%	1.994%
71	13.862	1072	1074	1075	rBV2	139526	178808	3.16%	0.207%

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72	13.908	1076	1078	1080	rVV2	327766	452090	7.99%	0.524%
73	13.977	1082	1084	1085	rVB2	119048	128967	2.28%	0.150%
74	14.114	1094	1096	1097	rVV	202288	252160	4.45%	0.292%
75	14.148	1097	1099	1101	rVV	671593	852254	15.06%	0.988%
76	14.182	1101	1102	1104	rVV2	404164	482449	8.52%	0.560%
77	14.240	1104	1107	1108	rVV2	242806	458021	8.09%	0.531%
78	14.274	1108	1110	1115	rVV4	441901	777913	13.74%	0.902%
79	14.342	1115	1116	1119	rVB3	184650	221356	3.91%	0.257%
80	14.457	1124	1126	1131	rVB4	185119	405992	7.17%	0.471%
81	14.525	1131	1132	1134	rBV2	134103	233685	4.13%	0.271%
82	14.617	1138	1140	1144	rVB2	312776	483501	8.54%	0.561%
83	14.765	1150	1153	1157	rBV	2193168	4656077	82.26%	5.400%
84	14.857	1157	1161	1163	rVB2	589143	725532	12.82%	0.841%
85	14.948	1166	1169	1171	rBV2	131772	296994	5.25%	0.344%
86	15.028	1173	1176	1178	rVB	1209284	1584741	28.00%	1.838%
87	15.074	1178	1180	1183	rBV	1237236	1767995	31.24%	2.050%
88	15.131	1183	1185	1186	rBV	651425	760355	13.43%	0.882%
89	15.508	1215	1218	1219	rBV	77164	154431	2.73%	0.179%
90	16.011	1259	1262	1264	rBV2	56256	126259	2.23%	0.146%
91	16.068	1264	1267	1268	rBV2	75150	148326	2.62%	0.172%
92	16.217	1277	1280	1281	rBV2	103583	206515	3.65%	0.240%
93	16.388	1291	1295	1298	rBV	643819	1269840	22.43%	1.473%
94	16.525	1304	1307	1309	rBV	135608	305667	5.40%	0.355%
95	16.571	1309	1311	1314	rVB2	105886	210575	3.72%	0.244%
96	16.754	1324	1327	1333	rVB	450037	843996	14.91%	0.979%
97	16.960	1342	1345	1352	rVB2	92817	277890	4.91%	0.322%
98	17.691	1406	1409	1425	rVB6	59631	388522	6.86%	0.451%
99	18.651	1487	1493	1499	rVB	138492	478092	8.45%	0.554%
100	18.800	1502	1506	1510	rBV	75318	242582	4.29%	0.281%

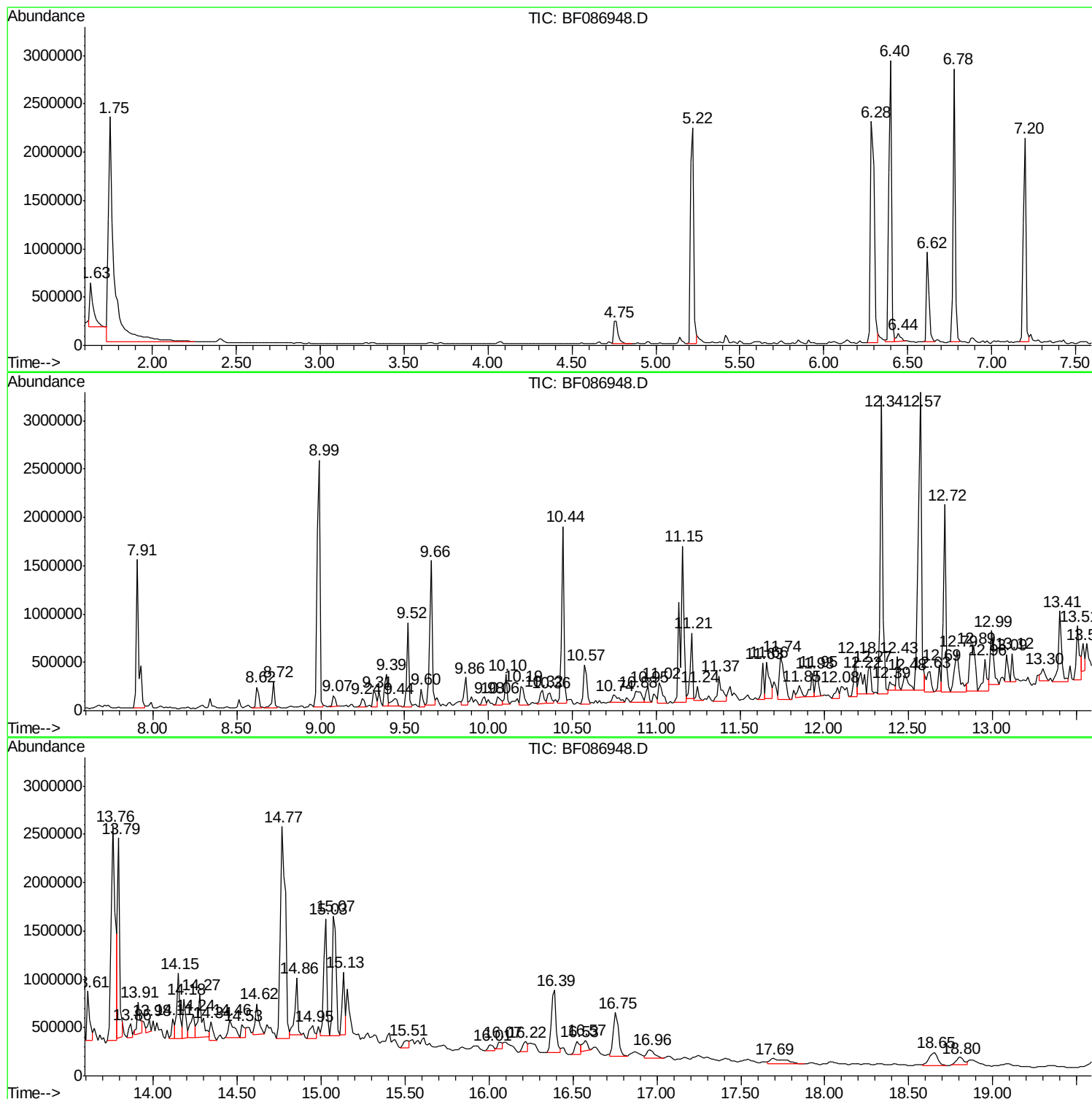
Sum of corrected areas: 86224602

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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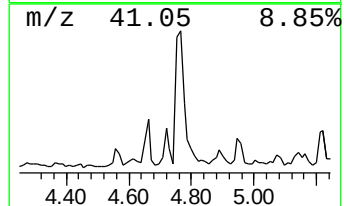
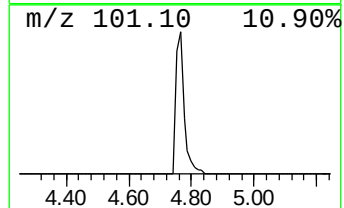
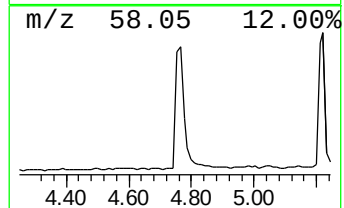
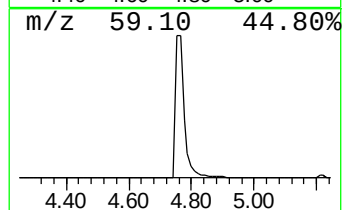
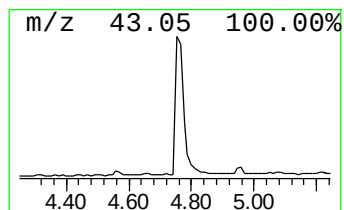
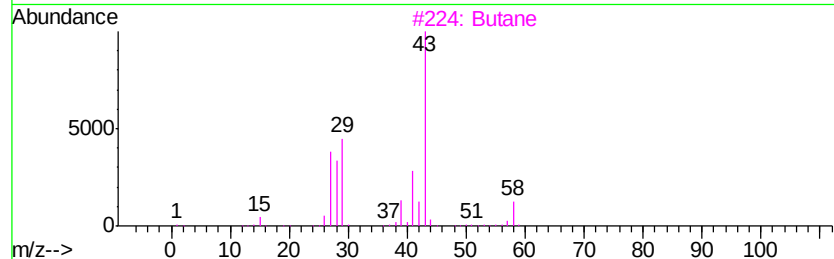
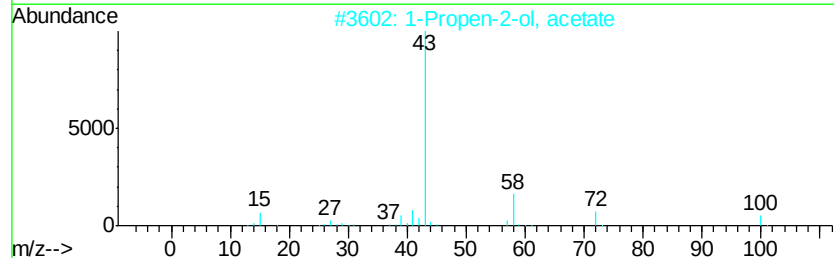
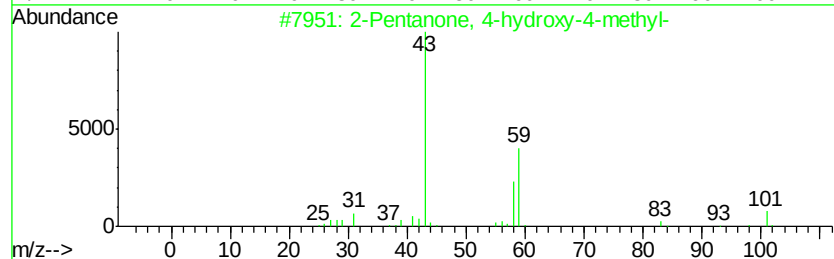
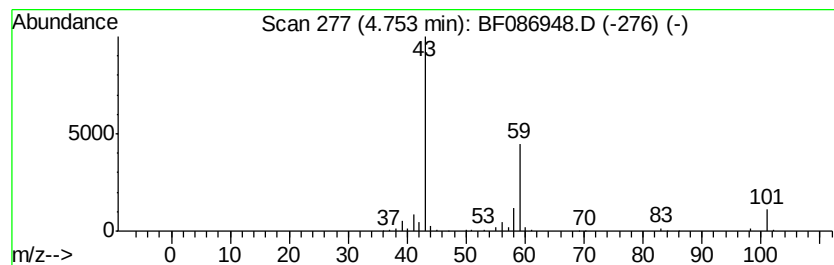
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.75	8.33 ng	440450	1,4-Dichlorobenzene-d4	6.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3		Butane	58	C4H10	000106-97-8	9
4		dl-4-Amino-3-hydroxybutyric acid	119	C4H9NO3	000352-21-6	9
5		Acetic acid, 2-propenyl ester	100	C5H8O2	000591-87-7	9



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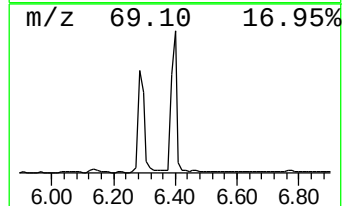
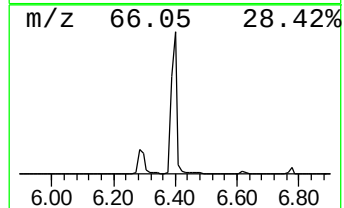
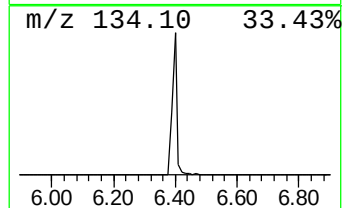
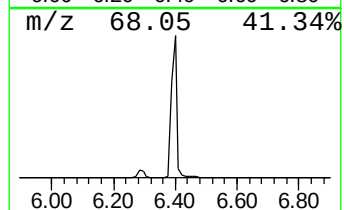
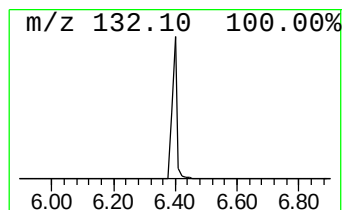
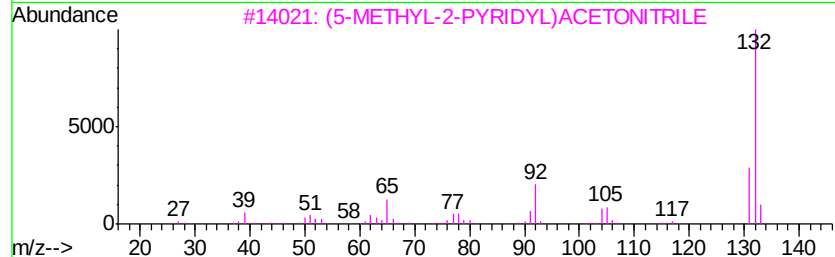
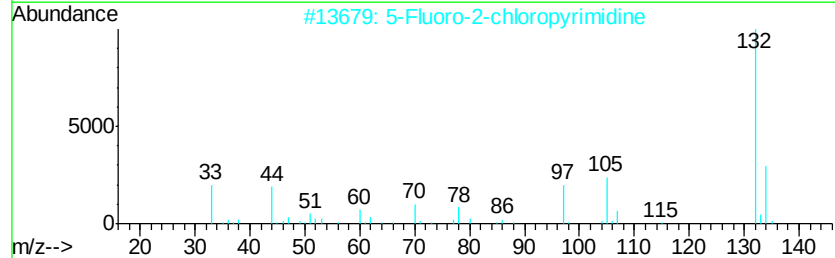
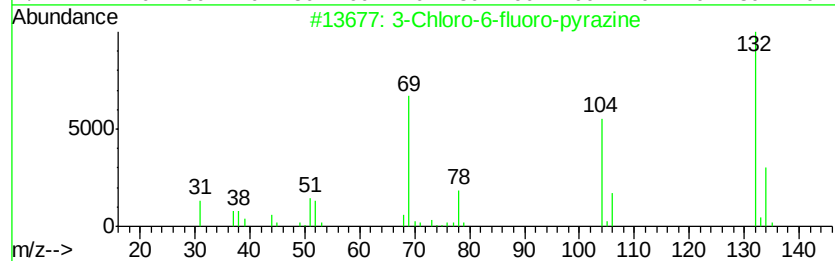
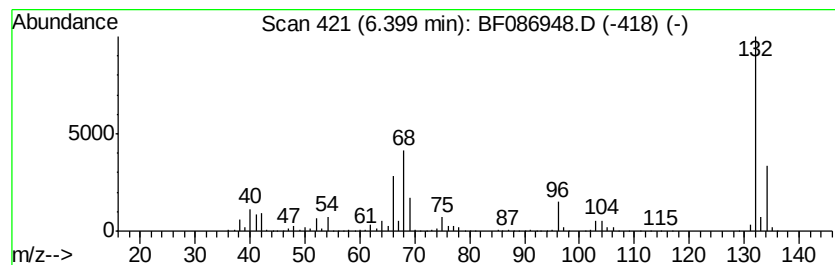
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.40 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	63.88 ng	3377220	1,4-Dichlorobenzene-d4	6.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4		Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



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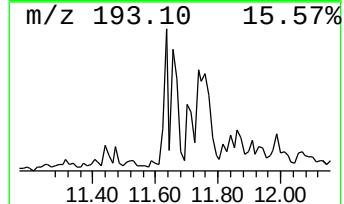
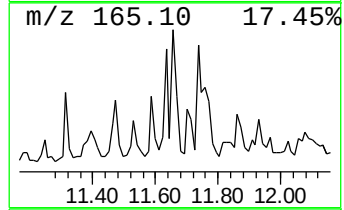
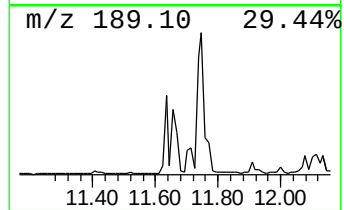
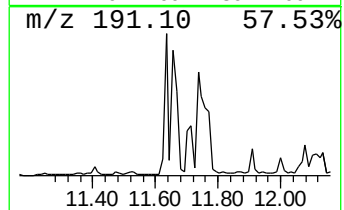
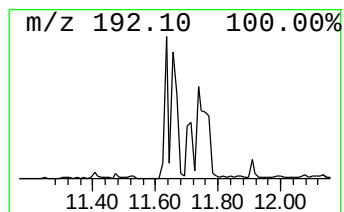
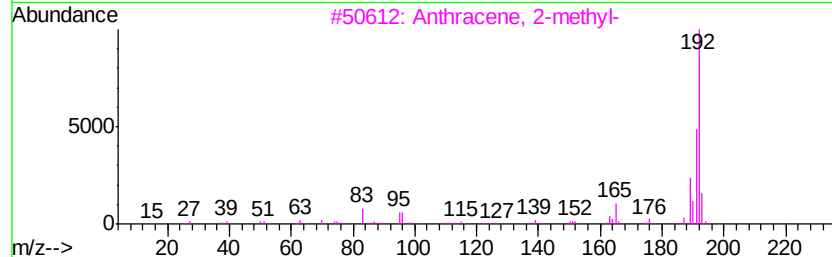
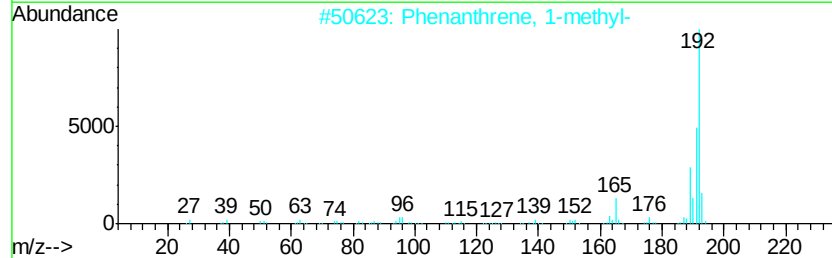
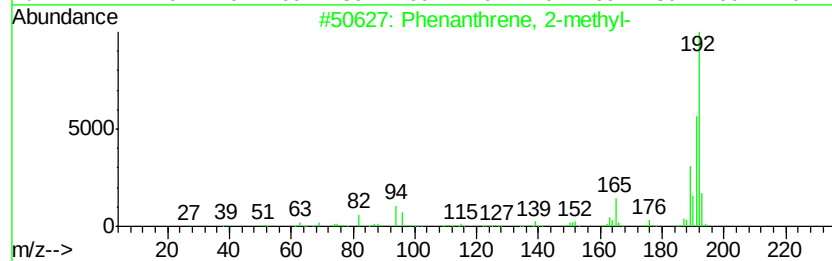
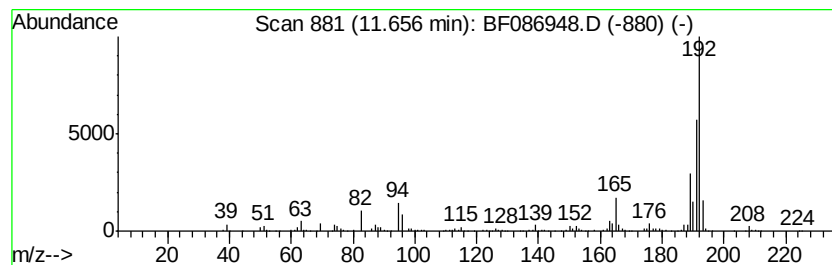
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.66	4.80 ng	624057	Phenanthrene-d10	11.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
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Acq On : 12 May 2016 23:48
Operator : UM/SJ
Sample : H2994-07
Misc :
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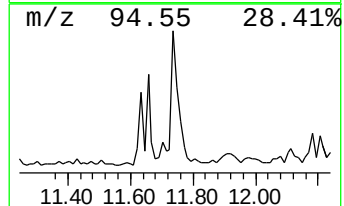
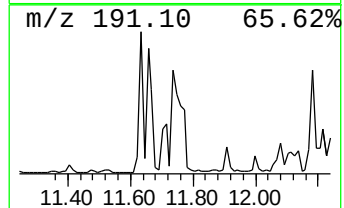
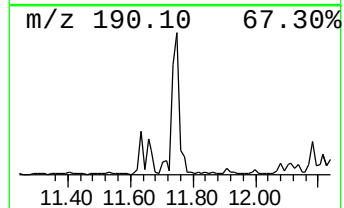
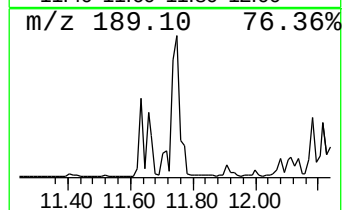
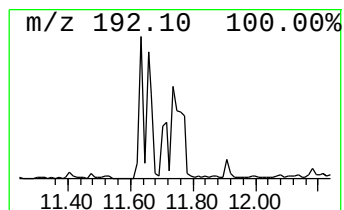
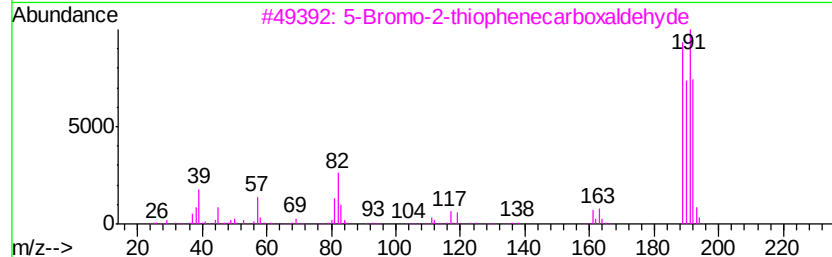
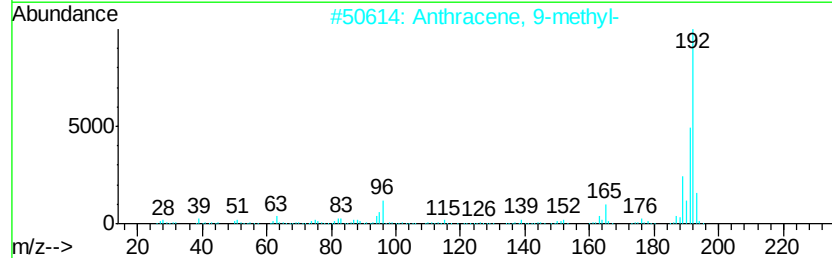
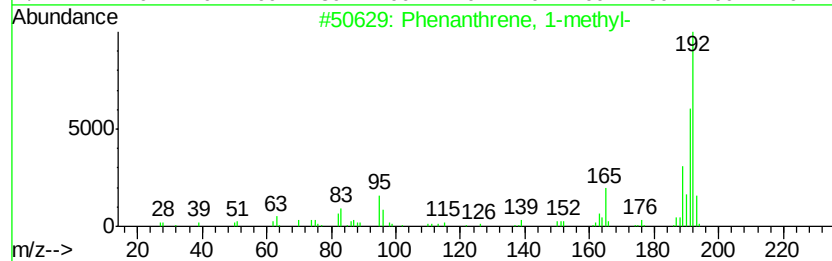
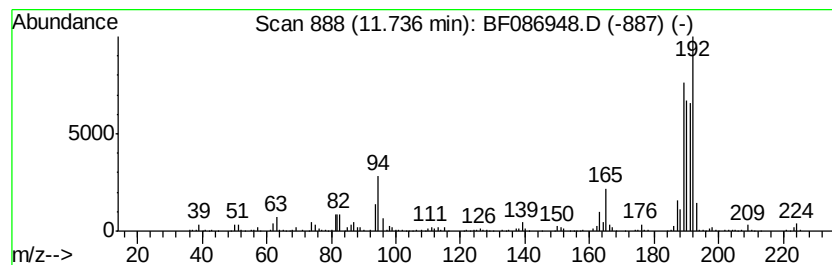
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.74	6.52 ng	847438	Phenanthrene-d10	11.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	50
3	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086948.D
Acq On : 12 May 2016 23:48
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ClientSampleId :
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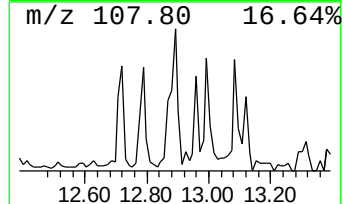
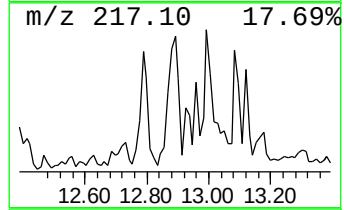
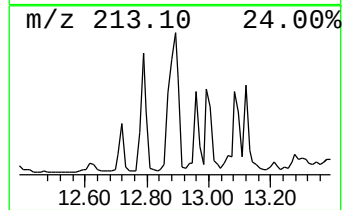
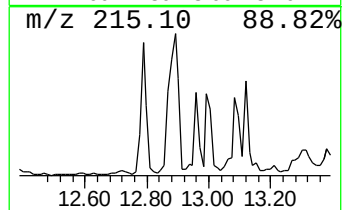
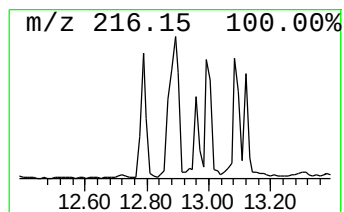
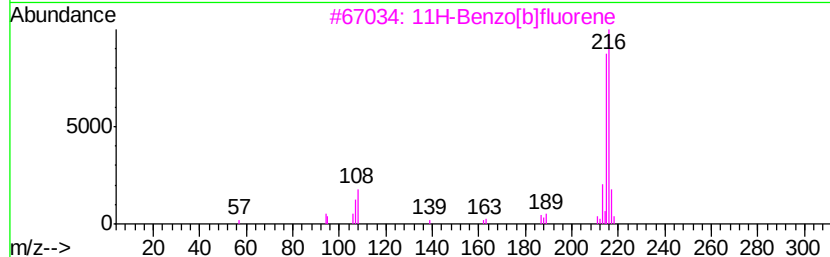
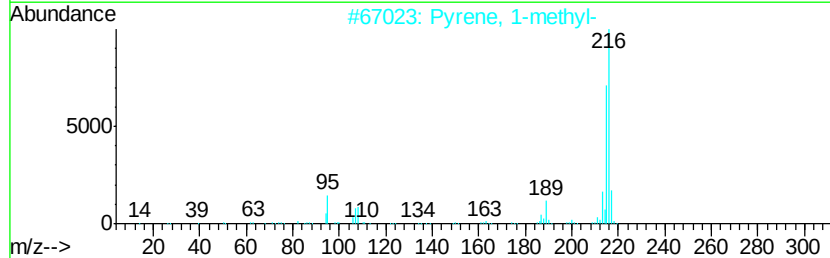
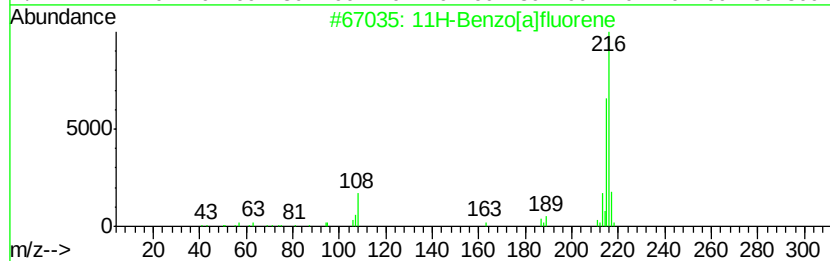
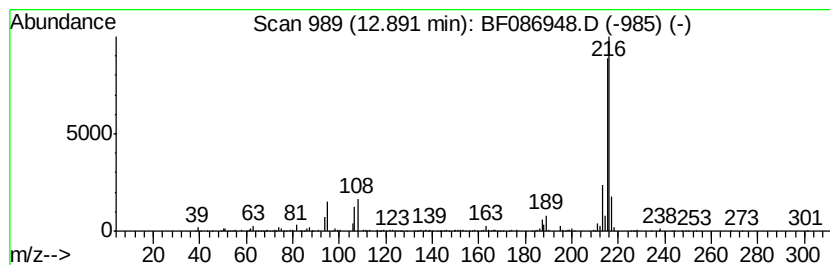
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	5.28 ng	1077770	Chrysene-d12	13.77

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086948.D
Acq On : 12 May 2016 23:48
Operator : UM/SJ
Sample : H2994-07
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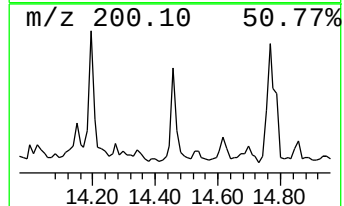
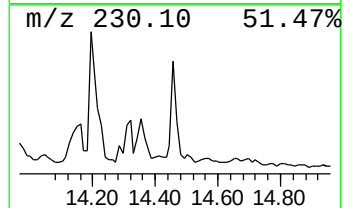
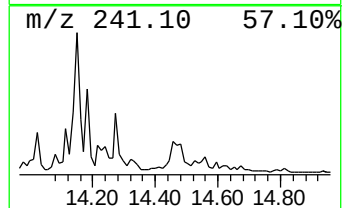
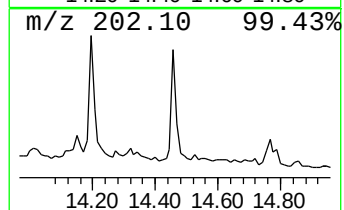
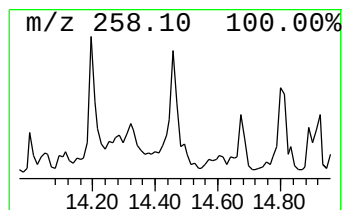
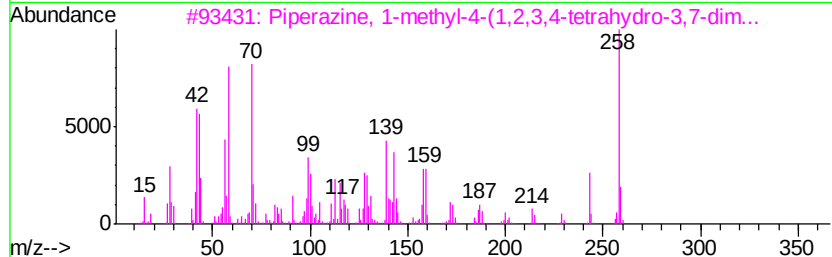
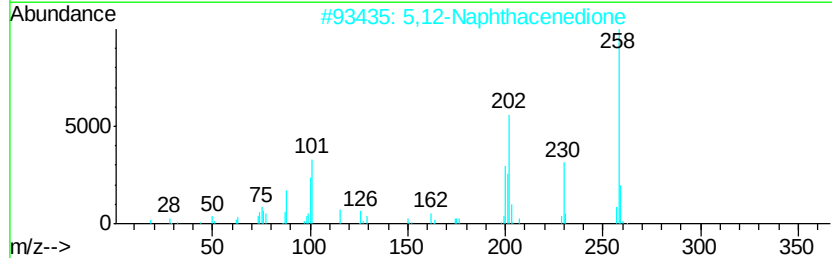
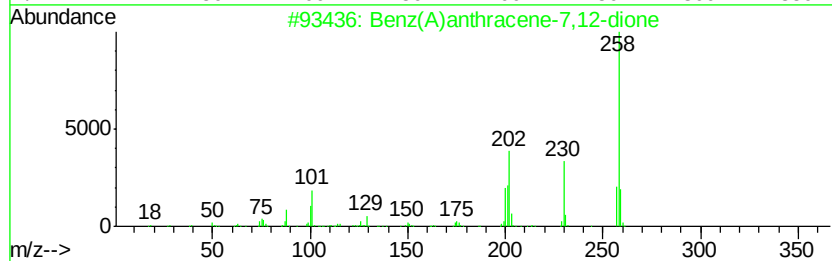
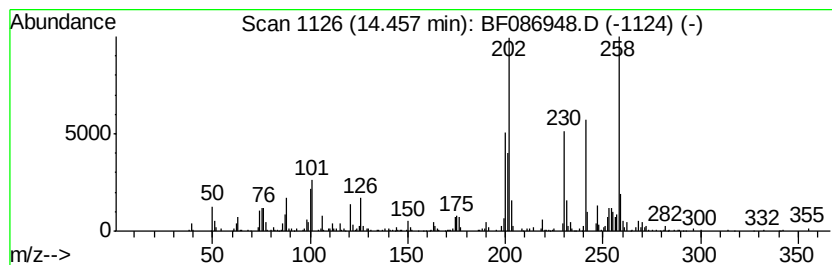
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benz(A)anthracene-7,12-dione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.46	10.68 ng	405992	Perylene-d12	15.13		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	91
3		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	56
4		1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	50
5		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
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Acq On : 12 May 2016 23:48
Operator : UM/SJ
Sample : H2994-07
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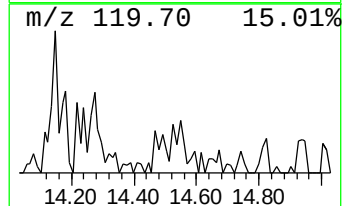
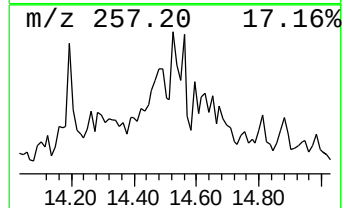
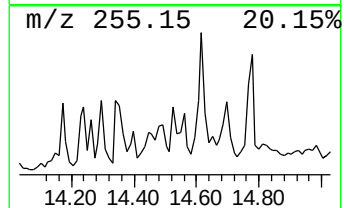
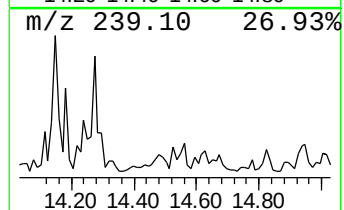
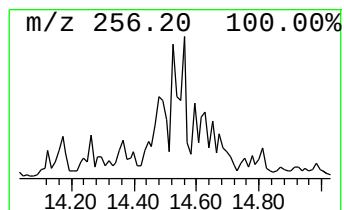
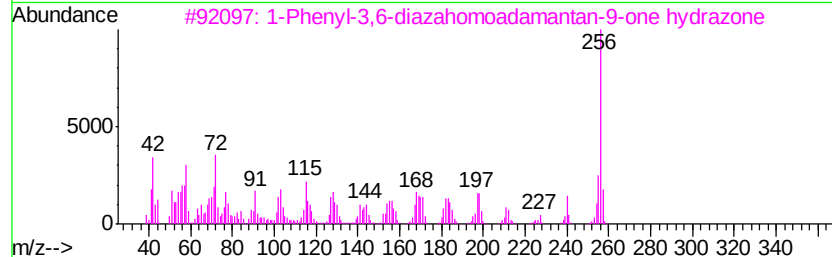
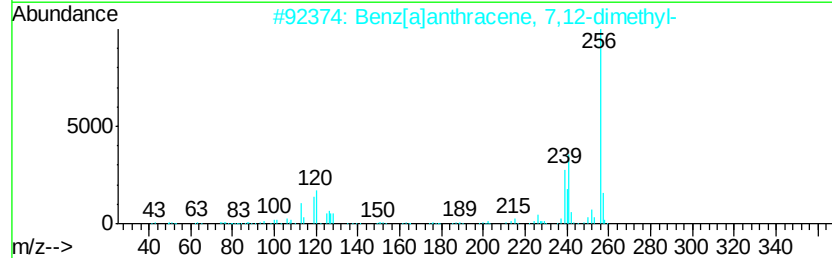
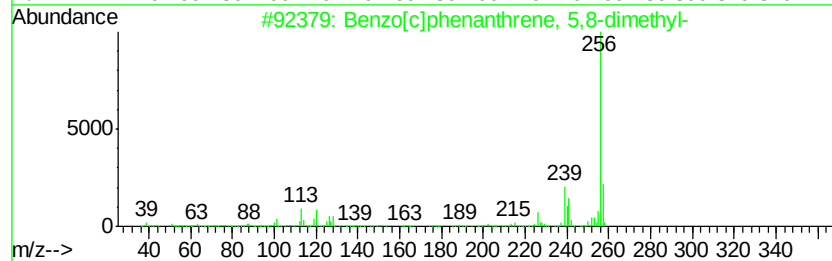
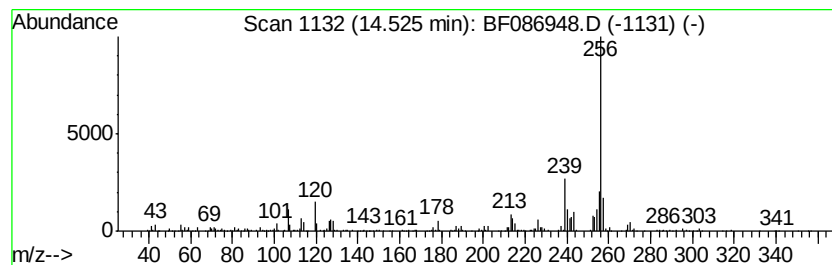
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	6.15 ng	233685	Perylene-d12	15.13
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256 C20H16	054986-63-9	64
2	Benz[a]anthracene, 7,12-dimethyl-	256 C20H16	000057-97-6	52
3	1-Phenyl-3,6-diazahomoadamantan-...	256 C15H20N4	1000216-29-0	50
4	Benz[a]anthracene, 1,12-dimethyl-	256 C20H16	000313-74-6	50
5	Benzene, 1,1',1''-(1-ethenyl-2-y...	256 C20H16	000058-72-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086948.D
Acq On : 12 May 2016 23:48
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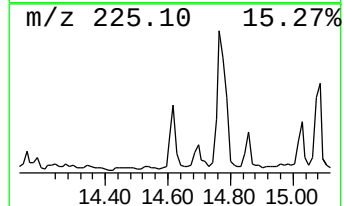
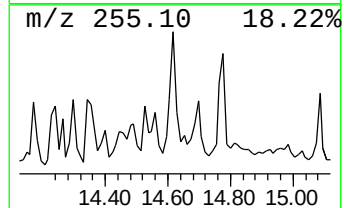
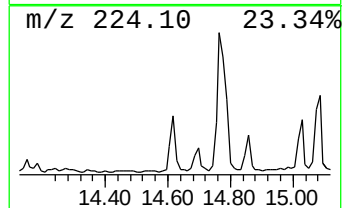
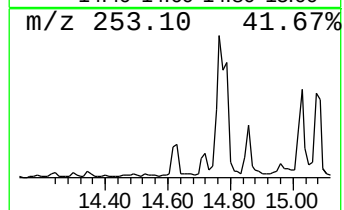
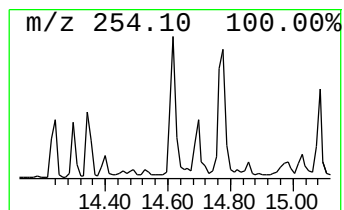
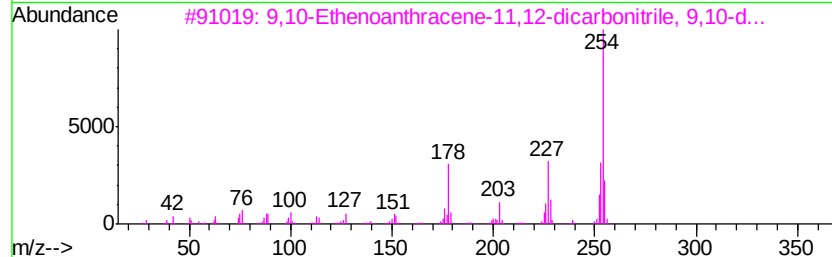
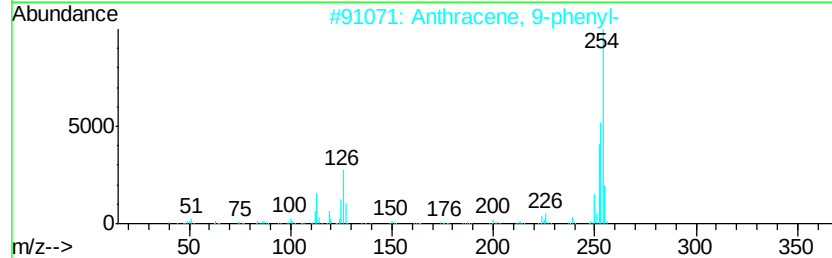
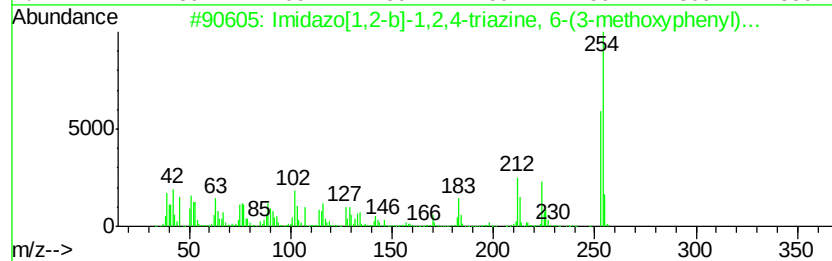
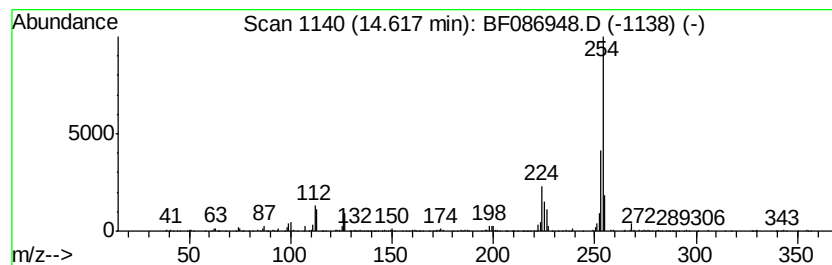
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Imidazo[1,2-b]-1,2,4-triazi... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	12.72 ng	483501	Perylene-d12	15.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	64
2		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
3		9,10-Ethenoanthracene-11,12-dica...	254	C18H10N2	019067-49-3	58
4		Benzenamine, 4-(2-benzothiazolyl...	254	C15H14N2S	010205-56-8	53
5		Benzenamine, 4,4'-methylenebis[N...	254	C17H22N2	000101-61-1	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086948.D
Acq On : 12 May 2016 23:48
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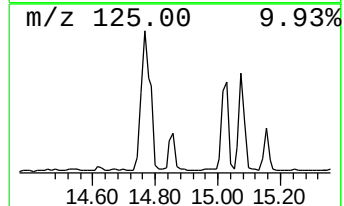
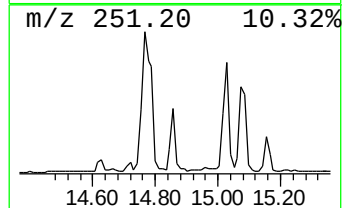
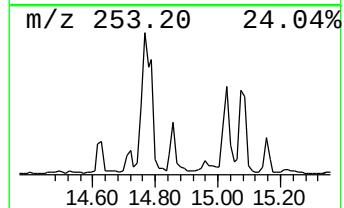
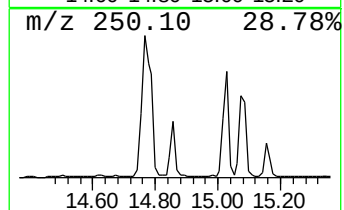
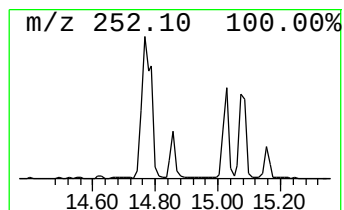
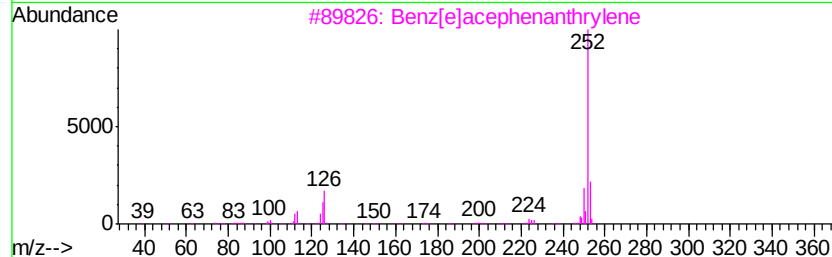
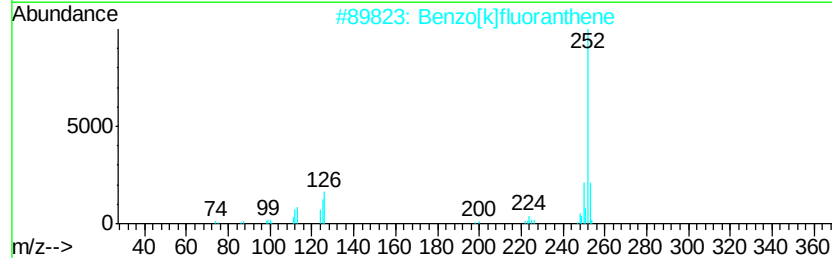
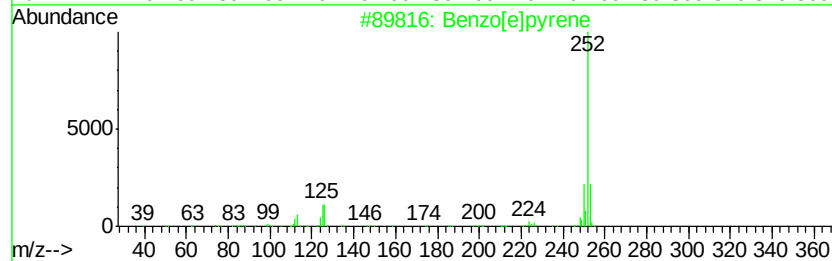
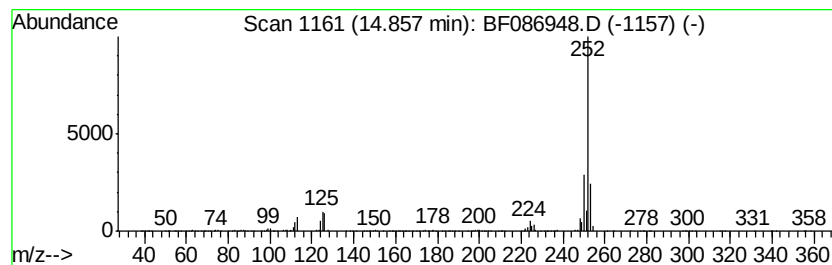
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	19.08 ng	725532	Perylene-d12	15.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086948.D
Acq On : 12 May 2016 23:48
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Misc :
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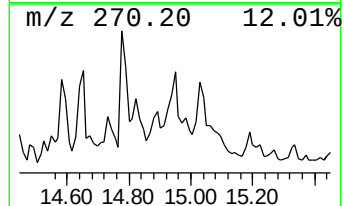
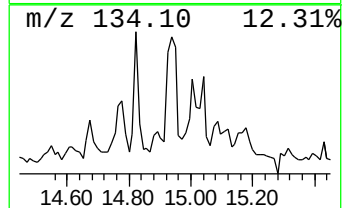
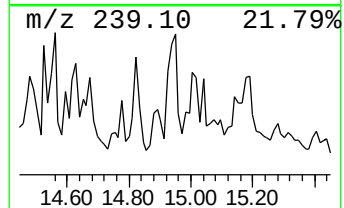
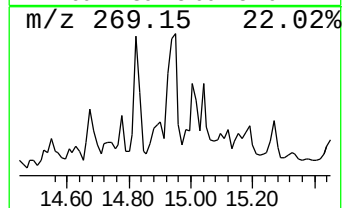
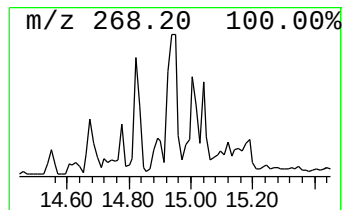
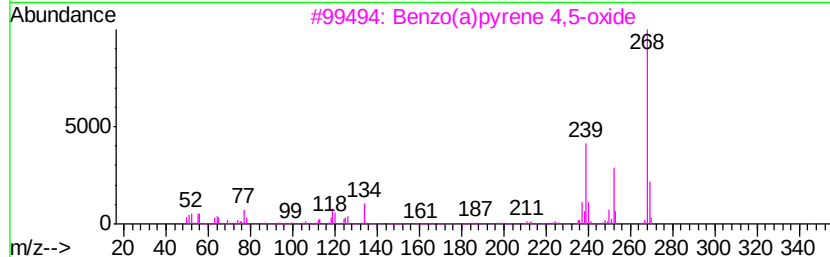
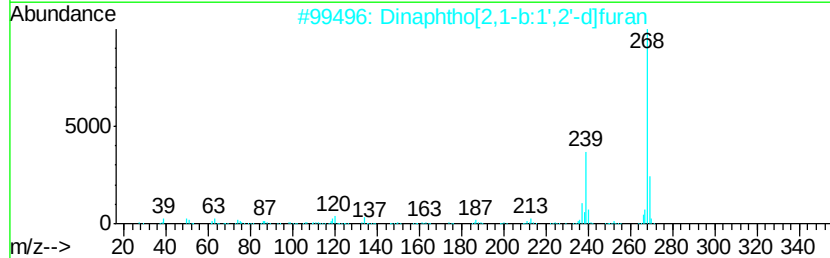
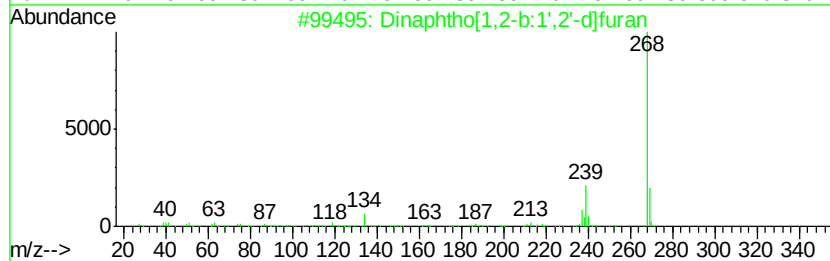
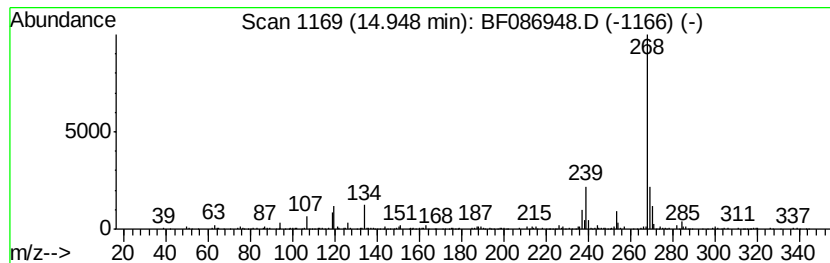
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	7.81 ng	296994	Perylene-d12	15.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	81
3		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
5		10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086948.D
Acq On : 12 May 2016 23:48
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CH-STA-1767-00(0-2)

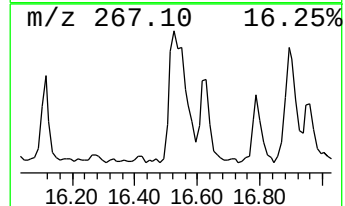
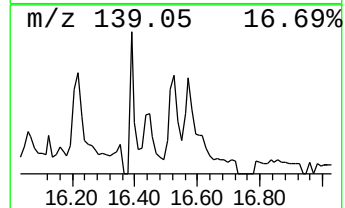
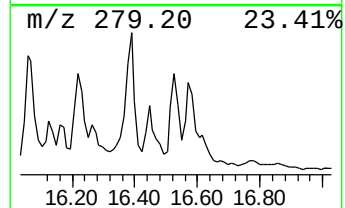
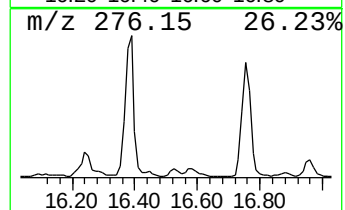
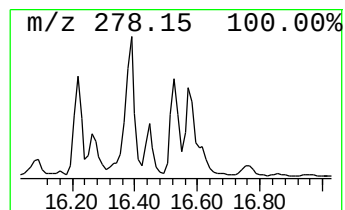
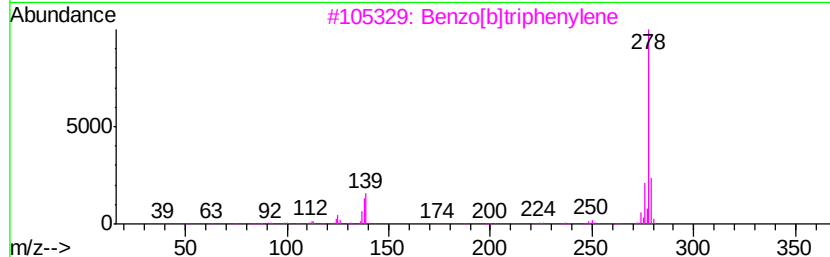
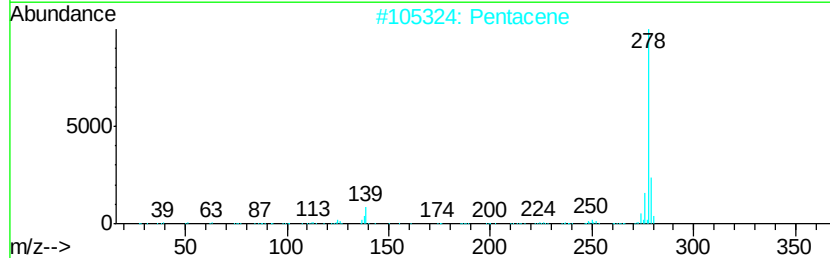
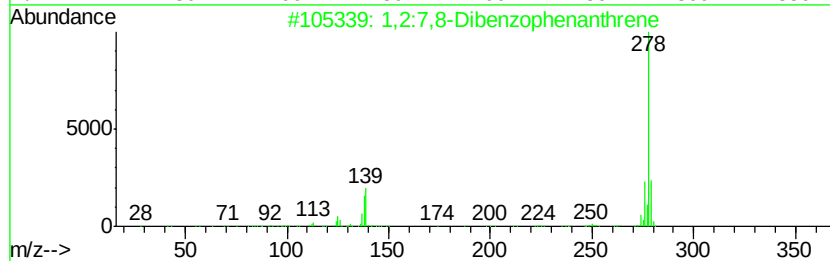
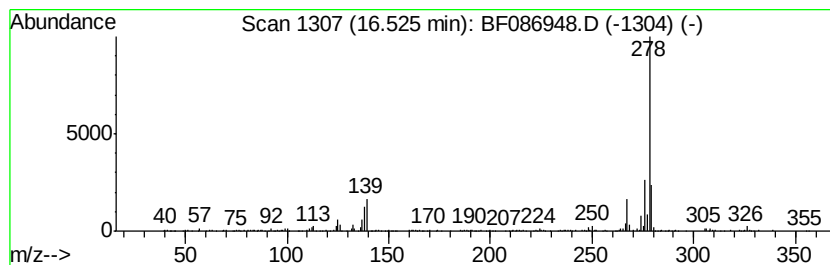
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1,2:7,8-Dibenzophenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	8.04 ng	305667	Perylene-d12	15.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	97
2		Pentacene	278	C22H14	000135-48-8	93
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	93
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
5		Benzo[b]chrysene	278	C22H14	000214-17-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086948.D
Acq On : 12 May 2016 23:48
Operator : UM/SJ
Sample : H2994-07
Misc :
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ClientSampleId :
CH-STA-1767-00(0-2)

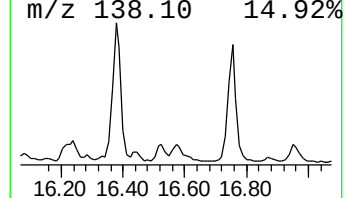
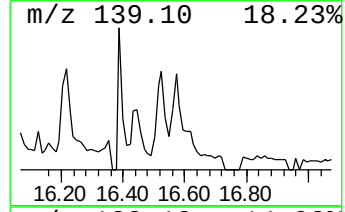
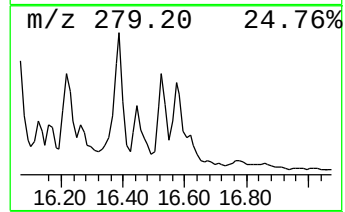
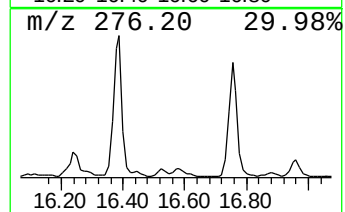
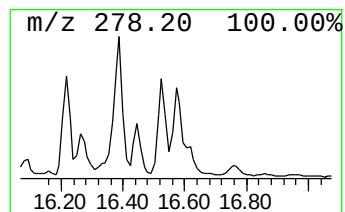
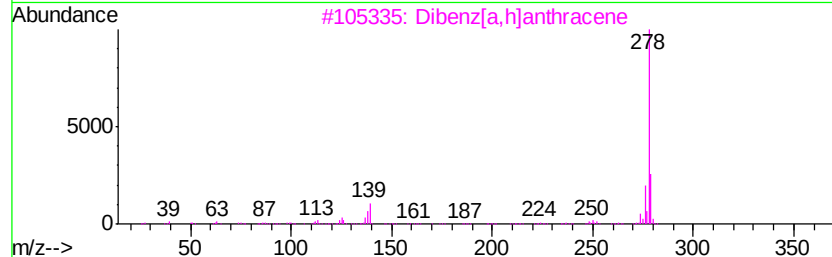
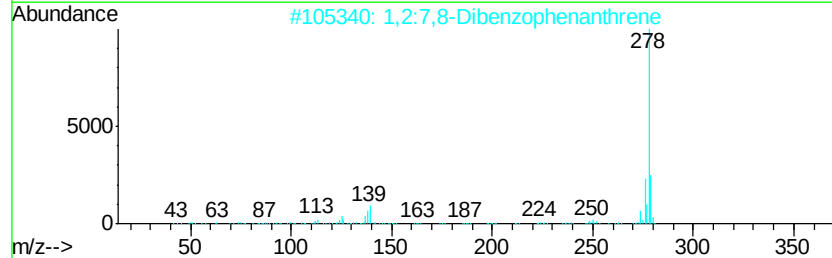
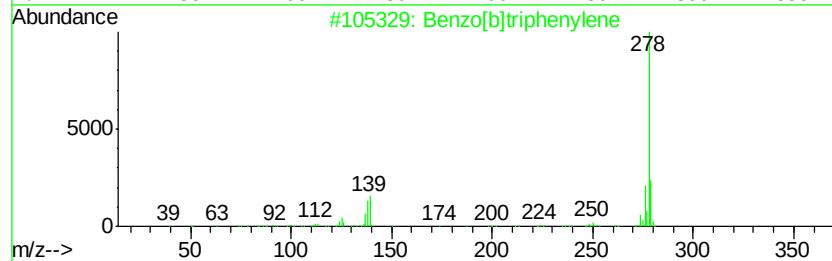
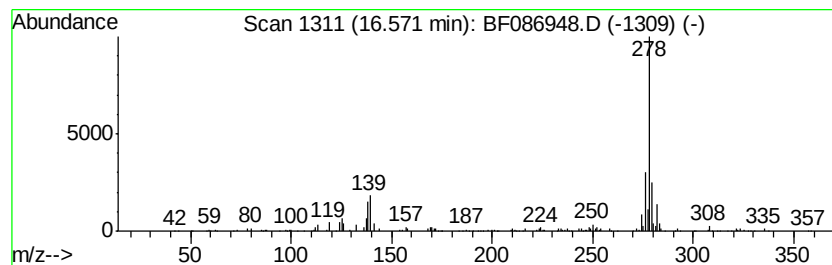
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	5.54 ng	210575	Perylene-d12	15.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2			1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
3			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
4			Benzo[b]chrysene	278	C22H14	000214-17-5	97
5			Pentaphene	278	C22H14	000222-93-5	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086948.D
Acq On : 12 May 2016 23:48
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

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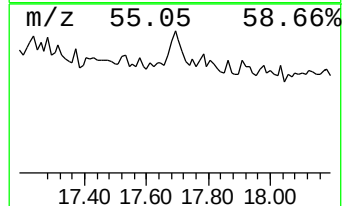
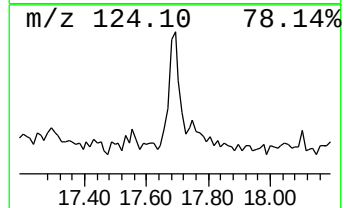
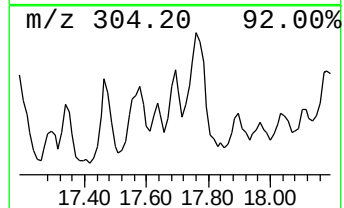
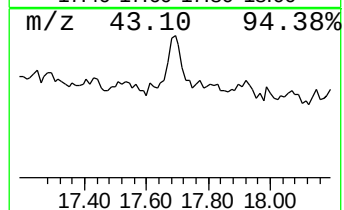
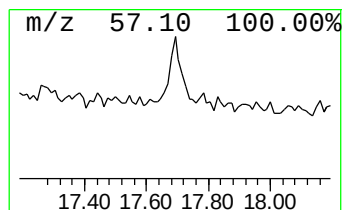
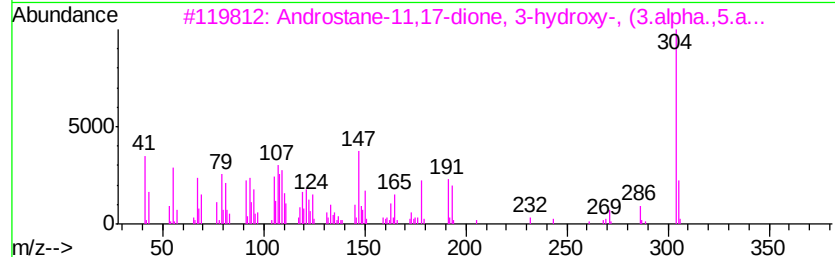
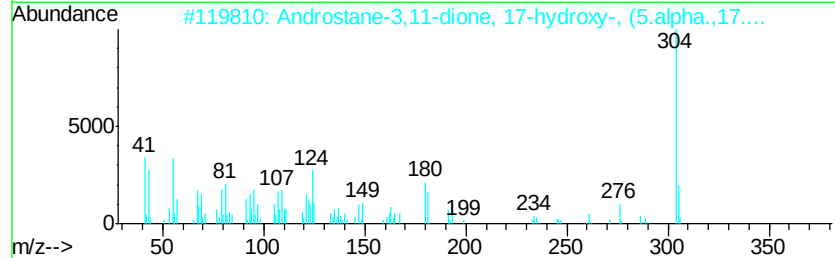
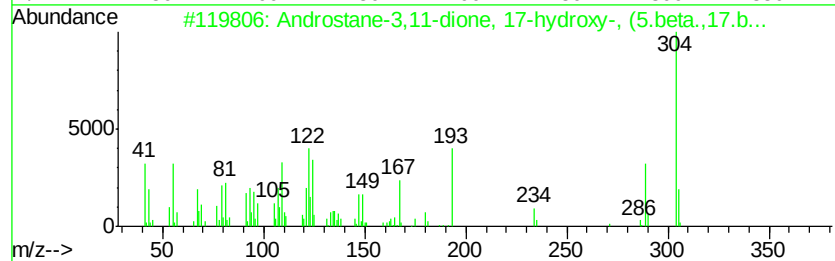
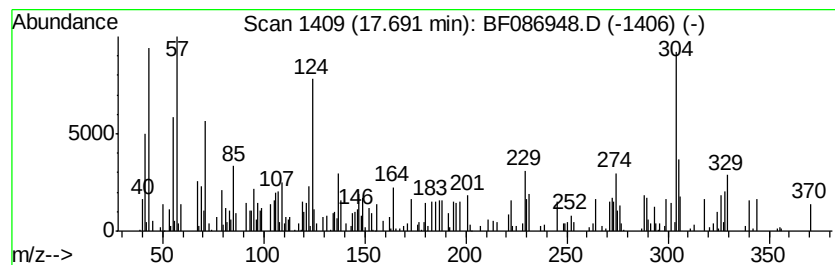
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown17.69 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	10.22 ng	388522	Perylene-d12	15.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Androstane-3,11-dione, 17-hydrox...	304	C19H28O3	001420-71-9	30
2		Androstane-3,11-dione, 17-hydrox...	304	C19H28O3	032694-37-4	30
3		Androstane-11,17-dione, 3-hydrox...	304	C19H28O3	001231-82-9	25
4		Dibenzo[b,E]thiepin-11-ol, 6,11-...	304	C20H16OS	068276-30-2	25
5		Pregn-4-ene-3,20-dione, 16-methy...	328	C22H32O2	001424-09-5	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
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Acq On : 12 May 2016 23:48
Operator : UM/SJ
Sample : H2994-07
Misc :
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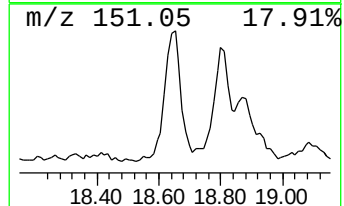
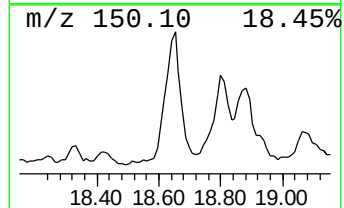
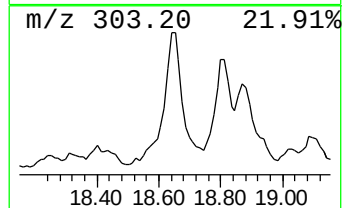
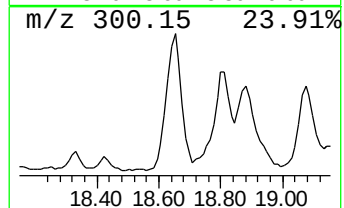
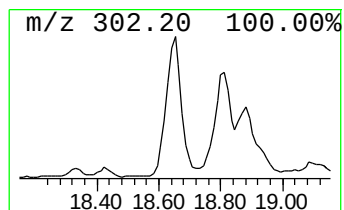
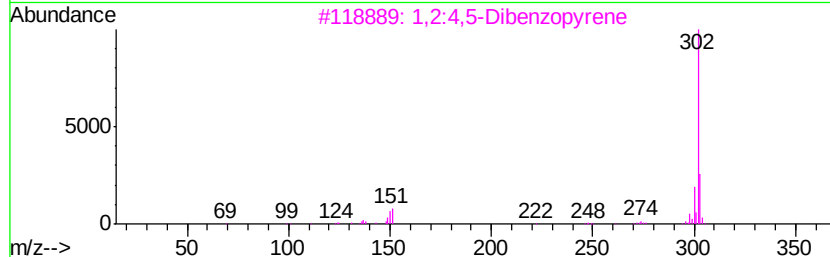
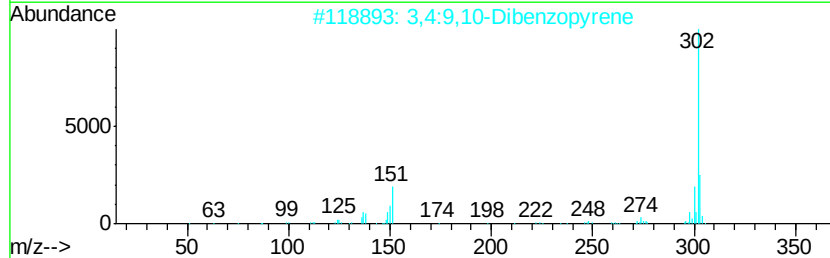
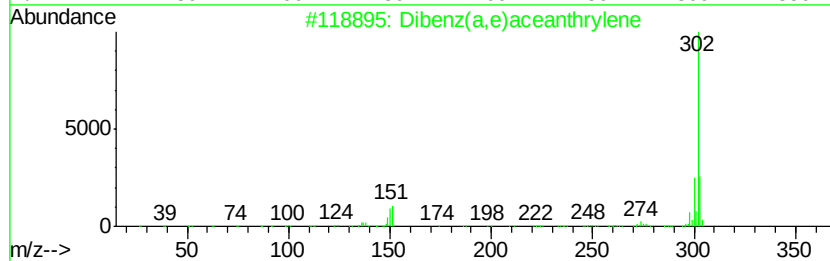
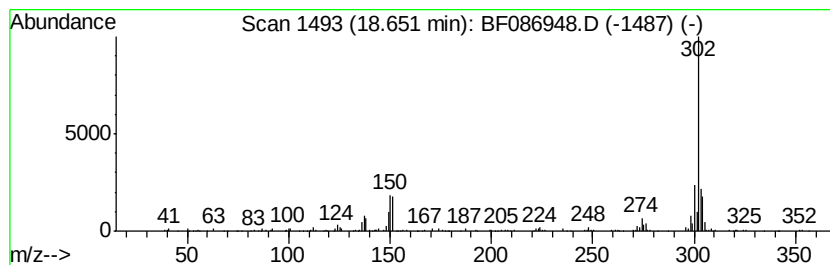
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dibenz(a,e)aceanthrylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.65	12.58 ng	478092	Perylene-d12	15.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	96
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	94
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
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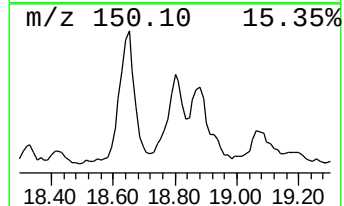
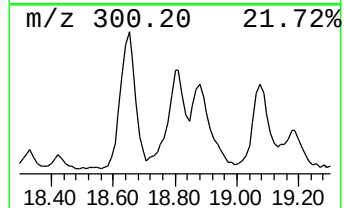
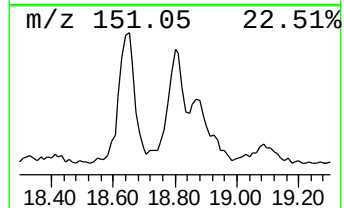
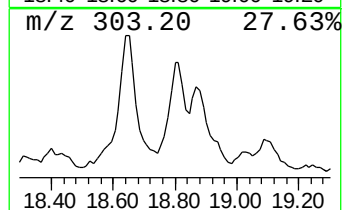
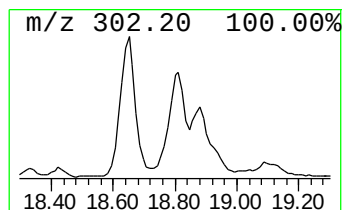
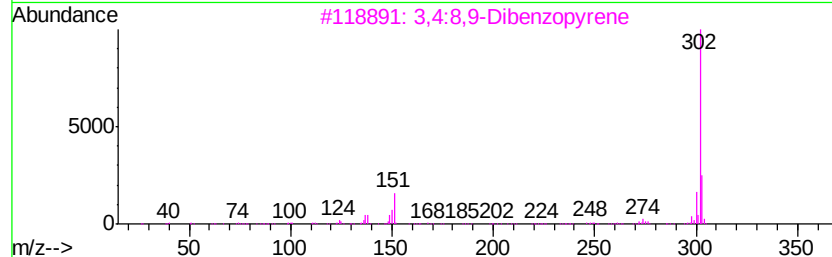
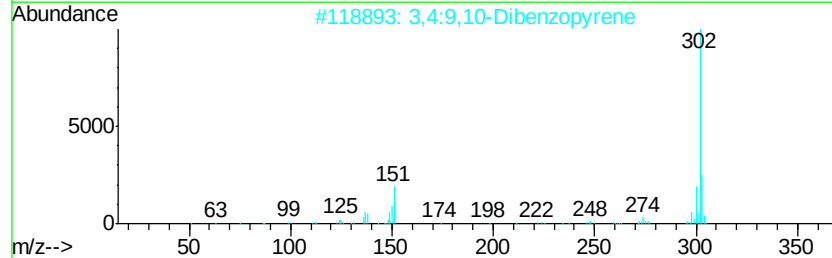
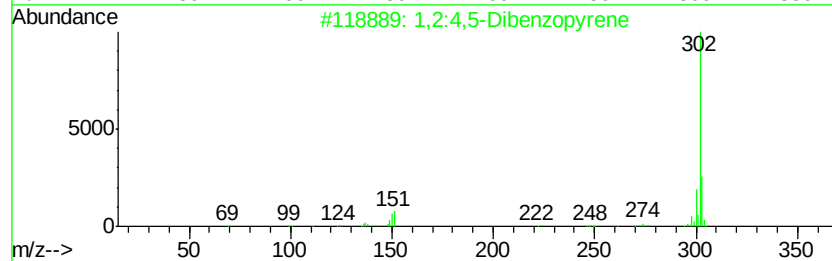
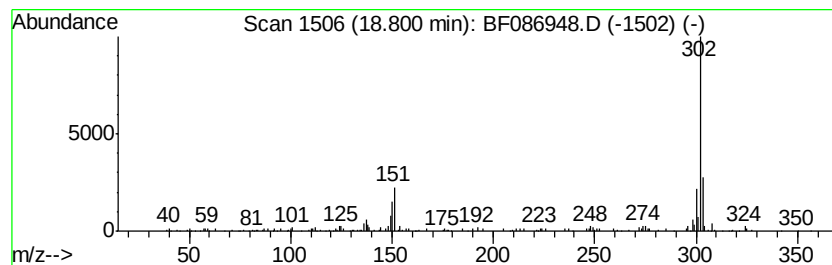
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.		
18.80	6.38 ng	242582	Perylene-d12		15.13		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	96
2			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	94
3			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
4			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
5			1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
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 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.75	8.3	ng	440450	1	6.62	1057410	20.0
unknown6.40	6.40	63.9	ng	3377220	1	6.62	1057410	20.0
Phenanthrene, 2-m...	11.66	4.8	ng	624057	4	11.13	2597860	20.0
Phenanthrene, 1-m...	11.74	6.5	ng	847438	4	11.13	2597860	20.0
11H-Benzo[a]fluorene	12.89	5.3	ng	1077770	5	13.77	4084490	20.0
Benz(A)anthracene...	14.46	10.7	ng	405992	6	15.13	760355	20.0
Benzo[c]phenanthr...	14.53	6.2	ng	233685	6	15.13	760355	20.0
Imidazo[1,2-b]-1,...	14.62	12.7	ng	483501	6	15.13	760355	20.0
Benzo[e]pyrene	14.86	19.1	ng	725532	6	15.13	760355	20.0
Dinaphtho[1,2-b:1...	14.95	7.8	ng	296994	6	15.13	760355	20.0
1,2:7,8-Dibenzoph...	16.53	8.0	ng	305667	6	15.13	760355	20.0
Benzo[b]triphenylene	16.57	5.5	ng	210575	6	15.13	760355	20.0
unknown17.69	17.69	10.2	ng	388522	6	15.13	760355	20.0
Dibenz(a,e)aceant...	18.65	12.6	ng	478092	6	15.13	760355	20.0
1,2:4,5-Dibenzopy...	18.80	6.4	ng	242582	6	15.13	760355	20.0