

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086805.D
 Acq On : 8 May 2016 6:13
 Operator : UM/SJ
 Sample : H2720-15
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EUT01-TD-B3(5-9)-CRE

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-BF050416.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	4.876	241	244	252	rBV	322377	575696	9.48%	0.602%
2	5.310	279	282	285	rBV	4520711	4939968	81.31%	5.167%
3	5.710	312	317	325	rVB2	40188	78244	1.29%	0.082%
4	6.373	372	375	377	rBV	4546268	6075560	100.00%	6.355%
5	6.476	382	384	387	rBV	4835264	5017649	82.59%	5.249%
6	6.704	401	404	406	rBV	1248171	1434644	23.61%	1.501%
7	6.853	415	417	420	rBV	3265847	3929466	64.68%	4.110%
8	7.276	451	454	456	rBV	3436408	3663633	60.30%	3.832%
9	7.985	514	516	527	rBV	1651775	1867051	30.73%	1.953%
10	9.070	608	611	613	rBV	5188472	5586297	91.95%	5.844%
11	9.150	616	618	621	rVB2	56134	67962	1.12%	0.071%
12	9.470	643	646	648	rBV	433414	499042	8.21%	0.522%
13	9.596	655	657	660	rBV	396658	363949	5.99%	0.381%
14	9.676	662	664	666	rVV	223408	180334	2.97%	0.189%
15	9.733	667	669	671	rVV2	1632211	1820431	29.96%	1.904%
16	9.768	671	672	675	rVB	73487	69373	1.14%	0.073%
17	9.905	681	684	686	rBV2	39515	78673	1.29%	0.082%
18	9.939	686	687	690	rVV2	65950	98615	1.62%	0.103%
19	10.179	706	708	710	rBV2	218879	239917	3.95%	0.251%
20	10.282	715	717	720	rVB	80423	106003	1.74%	0.111%
21	10.396	724	727	730	rBV	97120	155225	2.55%	0.162%
22	10.522	736	738	741	rBV2	2235713	3267466	53.78%	3.418%
23	10.648	747	749	753	rBV	298412	356144	5.86%	0.373%
24	10.831	763	765	770	rBV4	66708	164006	2.70%	0.172%
25	10.979	775	778	781	rVB3	75134	131883	2.17%	0.138%
26	11.025	781	782	784	rBV	63771	66762	1.10%	0.070%
27	11.071	784	786	787	rBV	52416	70493	1.16%	0.074%
28	11.093	787	788	789	rBV	95046	67871	1.12%	0.071%
29	11.219	797	799	800	rBV	1679983	1975295	32.51%	2.066%
30	11.242	800	801	803	rVV	1805468	1337906	22.02%	1.400%
31	11.288	803	805	807	rVV	447849	455463	7.50%	0.476%
32	11.334	807	809	810	rVV2	52885	72792	1.20%	0.076%
33	11.459	816	820	823	rBV2	199400	334820	5.51%	0.350%
34	11.516	823	825	826	rVV	170504	181597	2.99%	0.190%

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35	11.551	826	828	832	rVB2	58319	102245	1.68%	0.107%
36	11.631	832	835	837	rBV2	36230	65536	1.08%	0.069%
37	11.711	840	842	844	rBV	369901	558923	9.20%	0.585%
38	11.745	844	845	848	rVV2	647795	942830	15.52%	0.986%
39	11.825	850	852	857	rVB	1023686	1474207	24.26%	1.542%
40	11.928	857	861	864	rBV3	96470	253450	4.17%	0.265%
41	12.008	867	868	870	rVV	415684	466920	7.69%	0.488%
42	12.042	870	871	873	rVB	246880	194699	3.20%	0.204%
43	12.156	878	881	883	rBV2	168875	260260	4.28%	0.272%
44	12.191	883	884	885	rVV	182334	136790	2.25%	0.143%
45	12.271	888	891	892	rBV	384487	597419	9.83%	0.625%
46	12.305	892	894	897	rVB2	243536	458778	7.55%	0.480%
47	12.351	897	898	902	rVB2	419096	517451	8.52%	0.541%
48	12.431	902	905	907	rBV	4472536	4533605	74.62%	4.742%
49	12.476	907	909	912	rVV2	111412	273299	4.50%	0.286%
50	12.522	912	913	914	rVV	215330	178191	2.93%	0.186%
51	12.568	916	917	920	rVV	217133	253531	4.17%	0.265%
52	12.659	922	925	927	rBV	4529166	5386554	88.66%	5.635%
53	12.705	927	929	933	rVB2	233137	315110	5.19%	0.330%
54	12.808	935	938	940	rVB	3172035	4132626	68.02%	4.323%
55	12.877	940	944	946	rBV2	379417	545934	8.99%	0.571%
56	12.979	949	953	955	rVB2	538044	1004281	16.53%	1.051%
57	13.048	955	959	960	rBV2	314252	449747	7.40%	0.470%
58	13.082	960	962	966	rVB	630636	685019	11.27%	0.717%
59	13.174	968	970	971	rBV	351809	288249	4.74%	0.302%
60	13.208	971	973	975	rVB	296240	282892	4.66%	0.296%
61	13.299	979	981	983	rVB	72034	82048	1.35%	0.086%
62	13.379	983	988	991	rBV6	159937	370812	6.10%	0.388%
63	13.482	996	997	1000	rVB	290348	410208	6.75%	0.429%
64	13.597	1004	1007	1008	rBV	436302	507844	8.36%	0.531%
65	13.699	1014	1016	1020	rVB3	451527	690502	11.37%	0.722%
66	13.768	1020	1022	1025	rVB2	73551	120627	1.99%	0.126%
67	13.848	1025	1029	1030	rBV2	2089778	3869630	63.69%	4.048%
68	13.871	1030	1031	1036	rVB	1523873	1989144	32.74%	2.081%
69	13.951	1036	1038	1039	rVB	289727	220603	3.63%	0.231%
70	13.997	1040	1042	1043	rBV	165547	152166	2.50%	0.159%
71	14.237	1060	1063	1064	rVV	408062	568605	9.36%	0.595%

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72	14.271	1064	1066	1068	rVV3	179075	286029	4.71%	0.299%
73	14.328	1068	1071	1072	rVV3	243280	419860	6.91%	0.439%
74	14.351	1072	1073	1077	rVV4	229706	445271	7.33%	0.466%
75	14.431	1078	1080	1083	rVB	129878	166926	2.75%	0.175%
76	14.557	1087	1091	1094	rBV4	97920	270973	4.46%	0.283%
77	14.614	1094	1096	1100	rBV4	105284	211305	3.48%	0.221%
78	14.705	1101	1104	1107	rBV3	161767	265672	4.37%	0.278%
79	14.854	1114	1117	1121	rBV	1940574	3831363	63.06%	4.008%
80	14.945	1123	1125	1127	rVB	408300	418678	6.89%	0.438%
81	15.025	1130	1132	1135	rBV2	78126	215996	3.56%	0.226%
82	15.117	1138	1140	1143	rVB	1128278	1513401	24.91%	1.583%
83	15.174	1143	1145	1148	rBV	1504977	1978164	32.56%	2.069%
84	15.231	1148	1150	1151	rBV	798697	944397	15.54%	0.988%
85	15.505	1172	1174	1176	rVB	53548	71728	1.18%	0.075%
86	15.631	1182	1185	1189	rBV3	75537	233919	3.85%	0.245%
87	15.723	1192	1193	1196	rVB2	92538	116984	1.93%	0.122%
88	16.134	1227	1229	1232	rBV2	47509	104981	1.73%	0.110%
89	16.214	1232	1236	1239	rBV4	52099	190131	3.13%	0.199%
90	16.363	1245	1249	1250	rBV2	110996	251209	4.13%	0.263%
91	16.534	1260	1264	1267	rBV	793832	1479435	24.35%	1.548%
92	16.591	1267	1269	1274	rVB2	91973	172221	2.83%	0.180%
93	16.683	1274	1277	1279	rBV	146509	286795	4.72%	0.300%
94	16.728	1279	1281	1284	rVB2	101797	185946	3.06%	0.195%
95	16.923	1294	1298	1304	rBV	676106	1305619	21.49%	1.366%
96	17.128	1313	1316	1324	rVB2	156567	428796	7.06%	0.449%
97	17.906	1380	1384	1385	rBV3	50304	120488	1.98%	0.126%
98	18.294	1414	1418	1426	rVB4	68903	255292	4.20%	0.267%
99	18.889	1465	1470	1477	rVB	137875	478894	7.88%	0.501%
100	19.060	1480	1485	1488	rBV	85319	276458	4.55%	0.289%

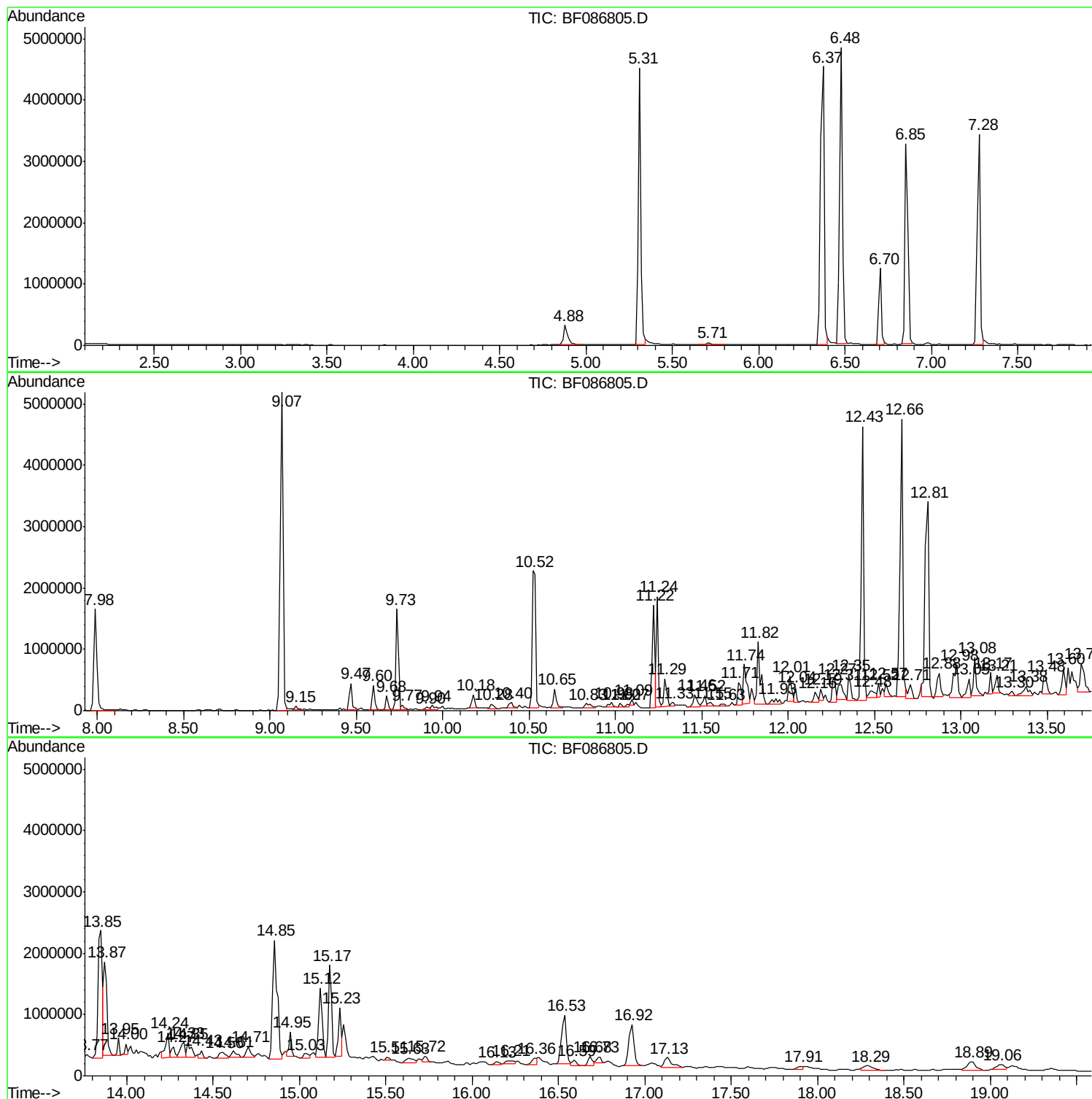
Sum of corrected areas: 95597896

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.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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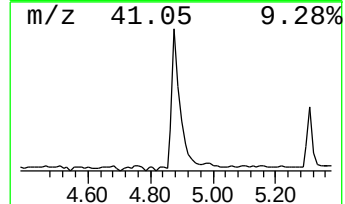
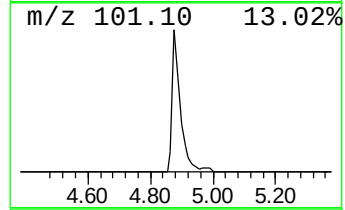
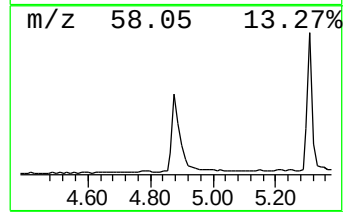
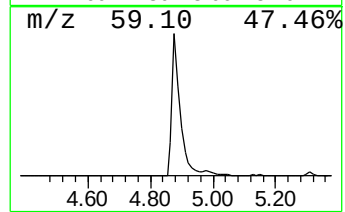
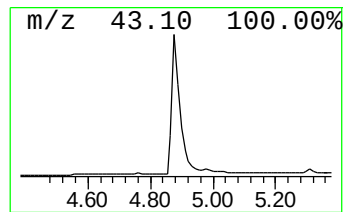
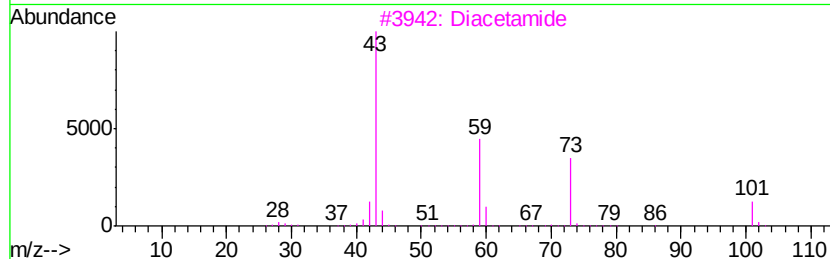
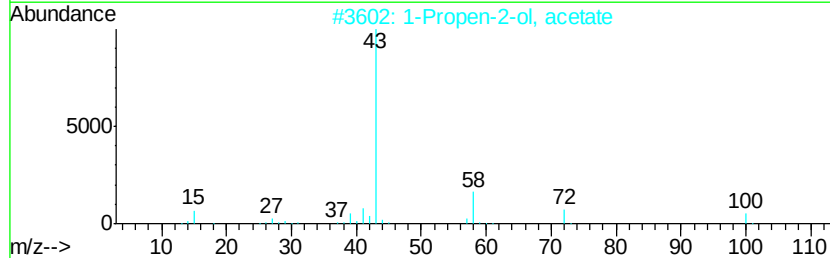
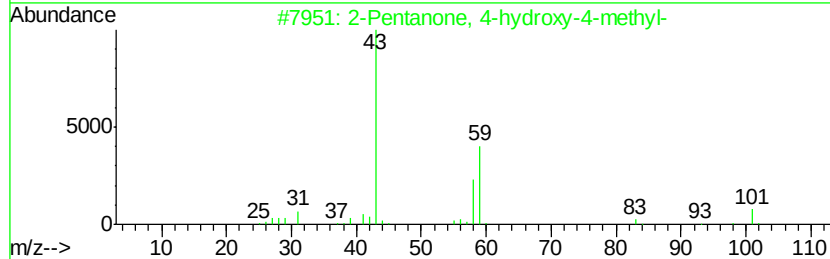
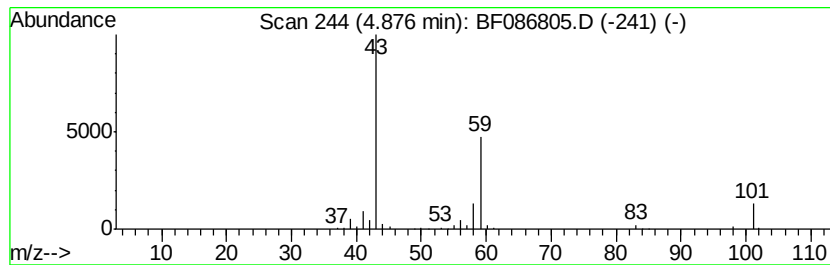
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.88	16.05 ng	575696	1,4-Dichlorobenzene-d4	6.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3		Diacetamide	101	C4H7NO2	000625-77-4	9
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		dl-4-Amino-3-hydroxybutyric acid	119	C4H9NO3	000352-21-6	9



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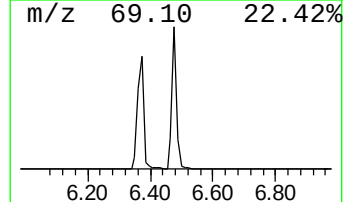
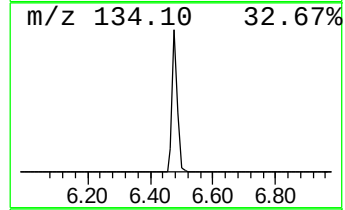
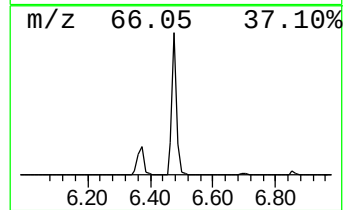
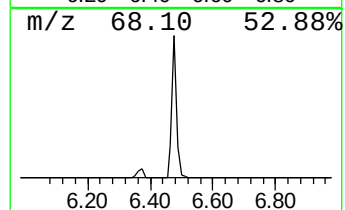
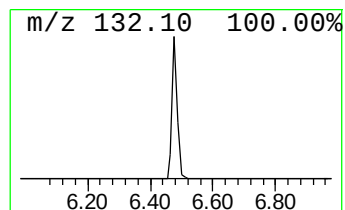
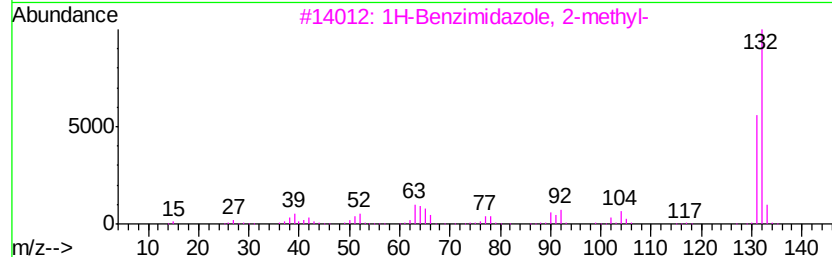
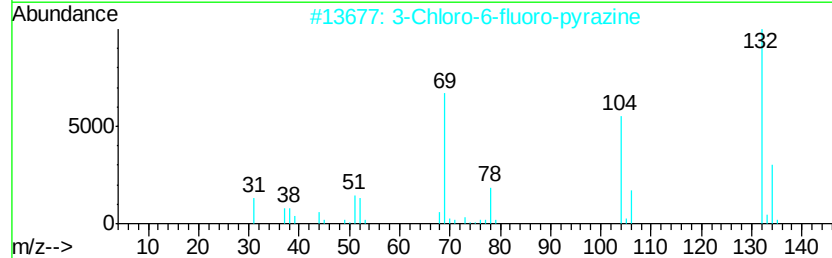
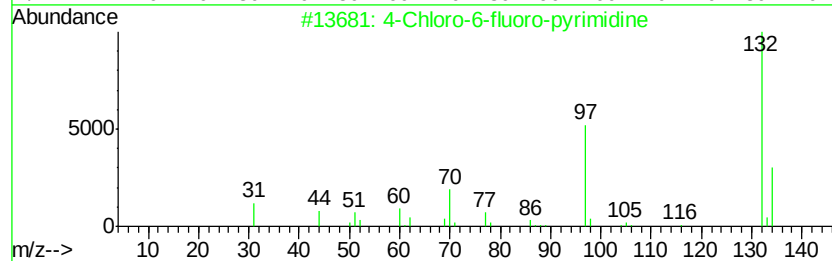
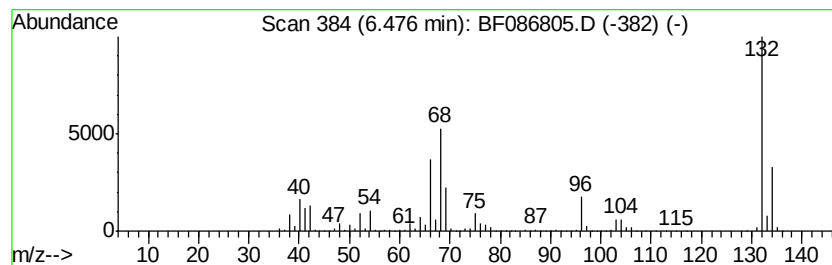
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	139.90 ng	5017650	1,4-Dichlorobenzene-d4	6.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	22
5		Tranlylcypromine-propionyl	189	C12H15NO	1000123-86-3	22



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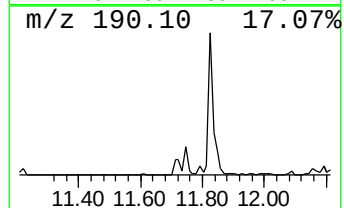
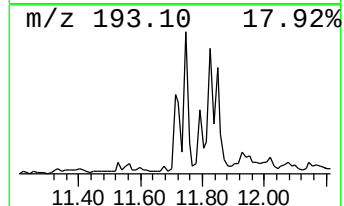
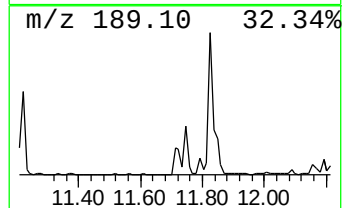
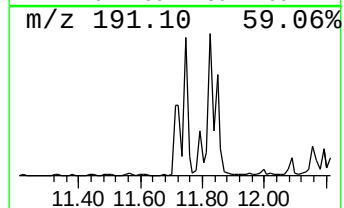
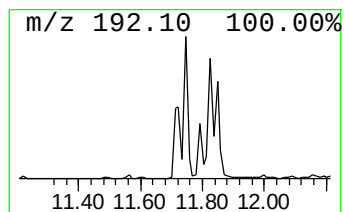
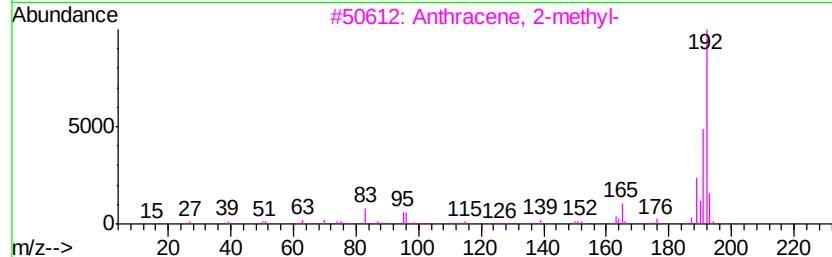
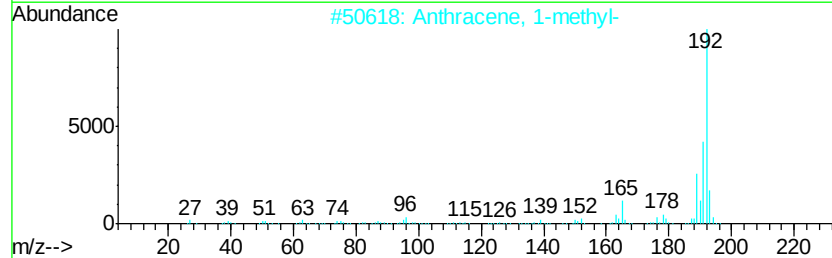
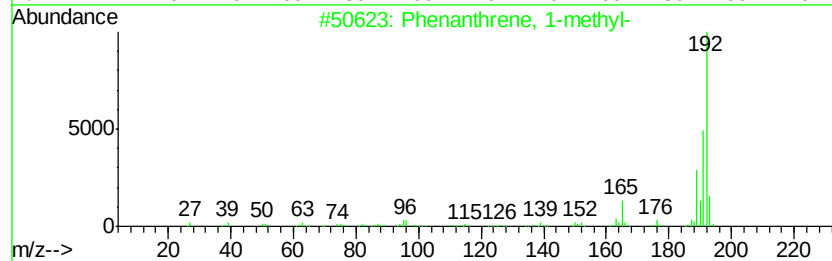
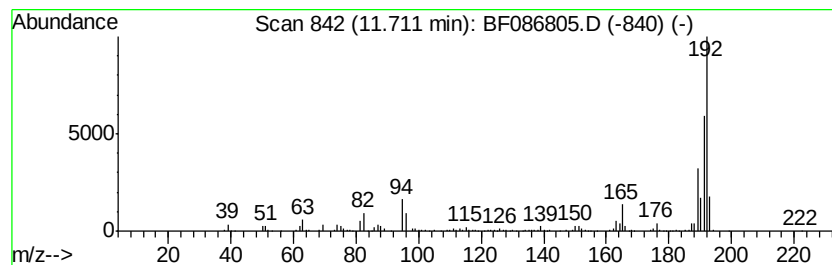
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Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	11.32 ng	558923	Phenanthrene-d10	11.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
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Acq On : 8 May 2016 6:13
Operator : UM/SJ
Sample : H2720-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

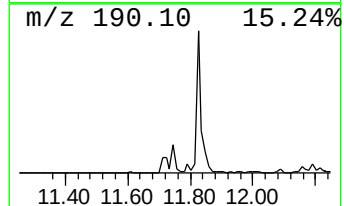
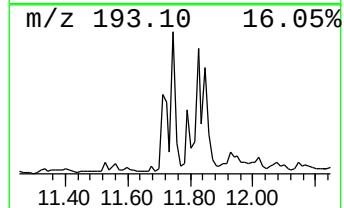
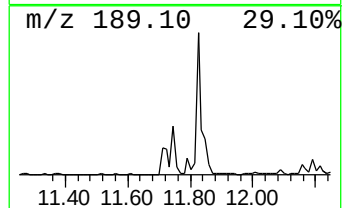
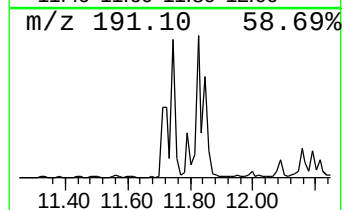
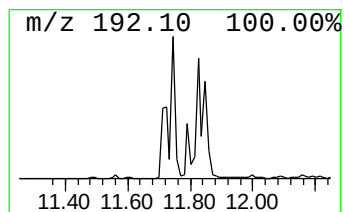
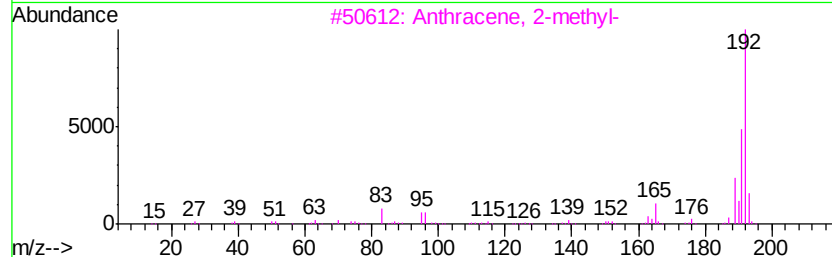
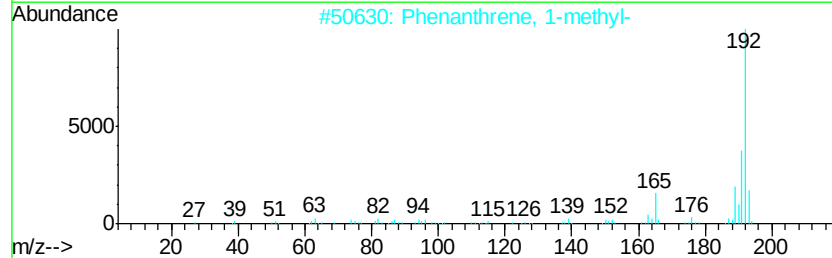
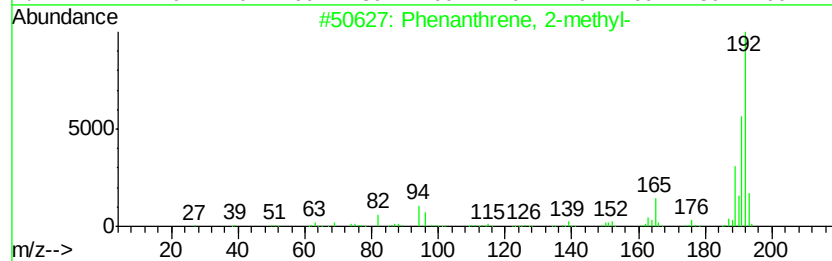
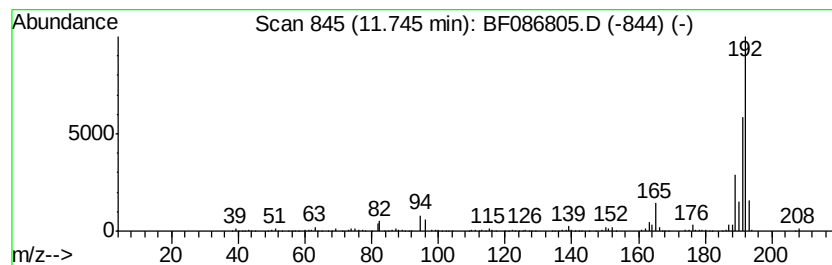
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EUT01-TD-B3(5-9)-CRE

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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 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.75	19.09 ng	942830	Phenanthrene-d10		11.22	
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	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086805.D
Acq On : 8 May 2016 6:13
Operator : UM/SJ
Sample : H2720-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

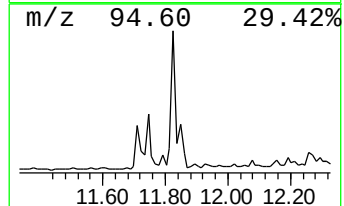
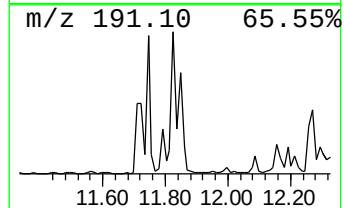
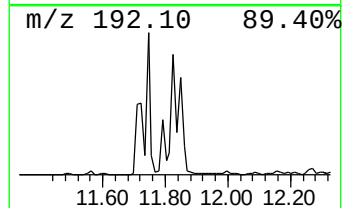
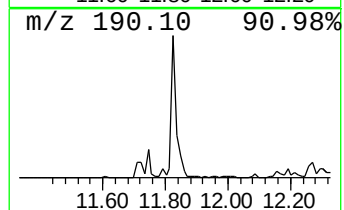
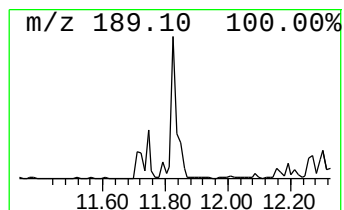
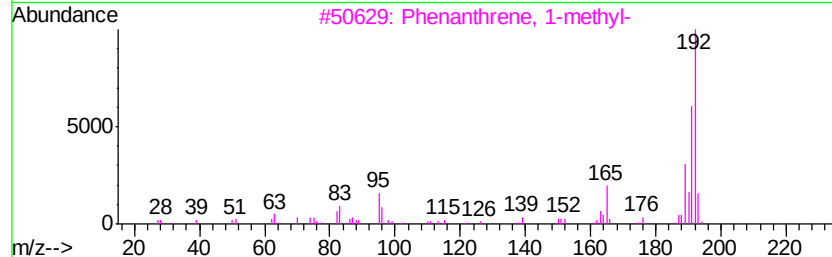
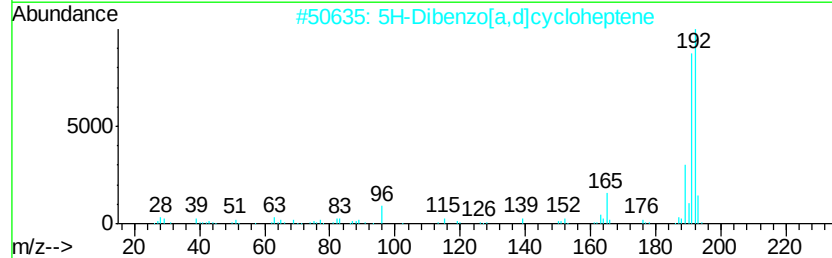
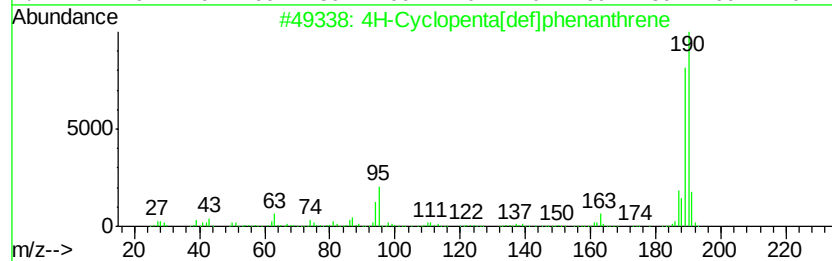
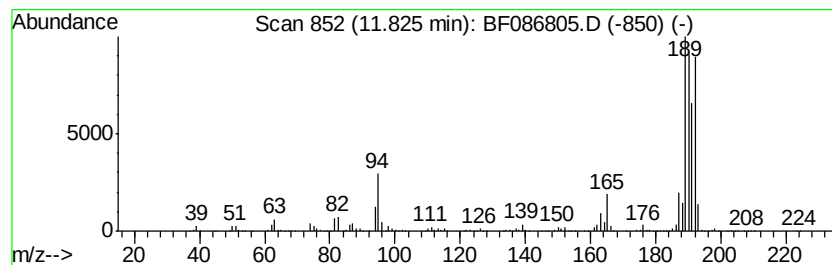
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ClientSampleId :
EUT01-TD-B3(5-9)-CRE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	29.85 ng	1474210	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086805.D
Acq On : 8 May 2016 6:13
Operator : UM/SJ
Sample : H2720-15
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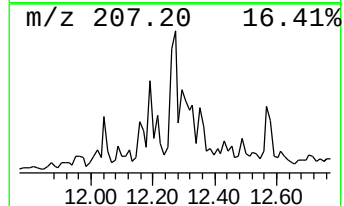
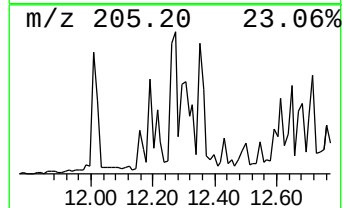
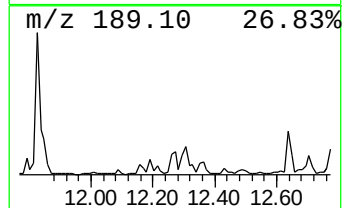
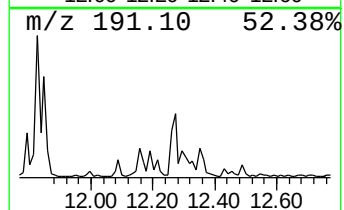
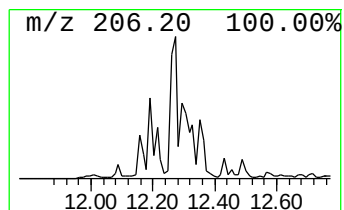
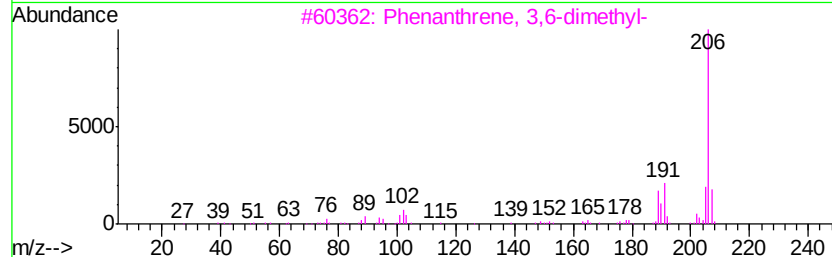
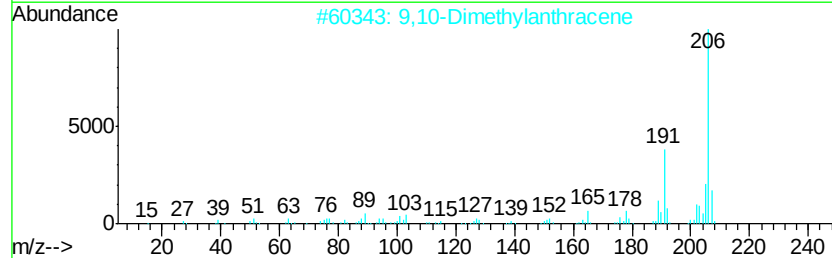
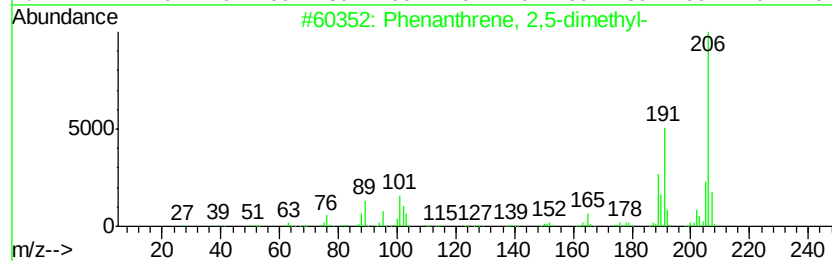
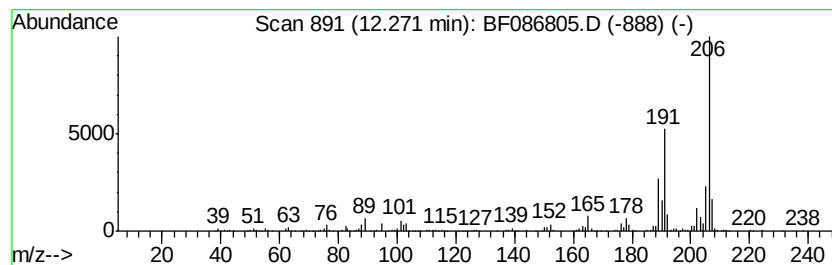
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.27	12.10 ng	597419	Phenanthrene-d10		11.22
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086805.D
Acq On : 8 May 2016 6:13
Operator : UM/SJ
Sample : H2720-15
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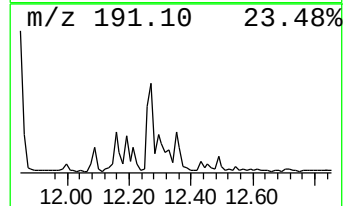
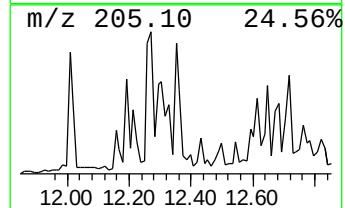
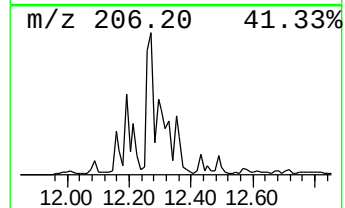
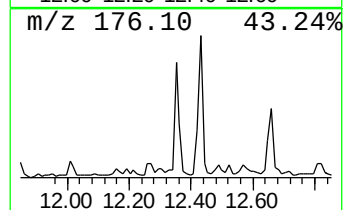
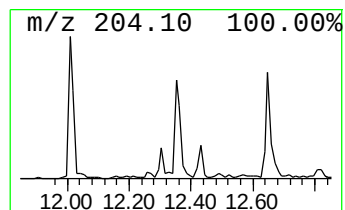
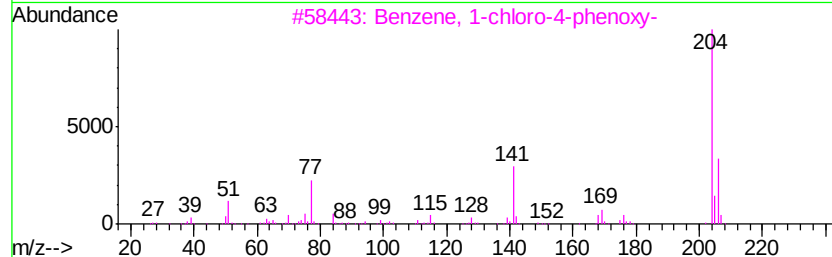
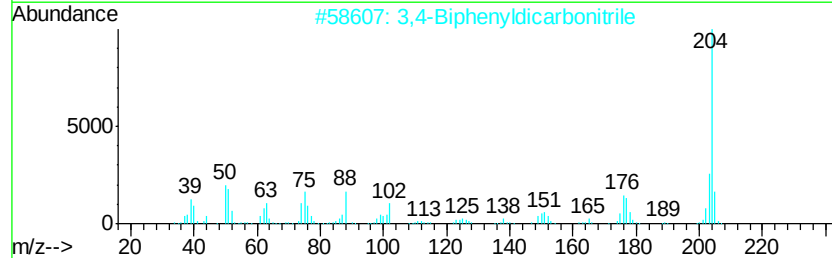
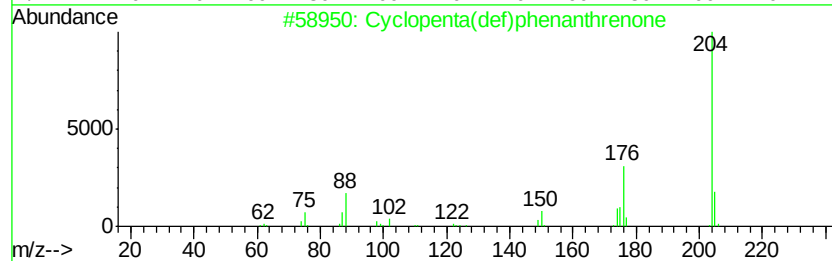
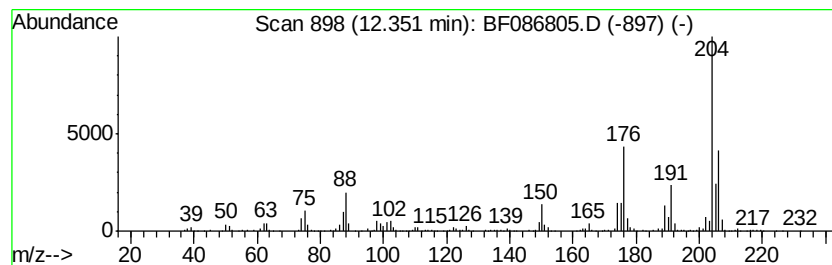
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.35	10.48 ng	517451	Phenanthrene-d10		11.22	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
3		Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	43
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38
5		[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086805.D
Acq On : 8 May 2016 6:13
Operator : UM/SJ
Sample : H2720-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

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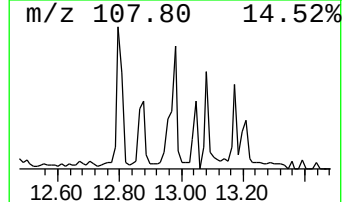
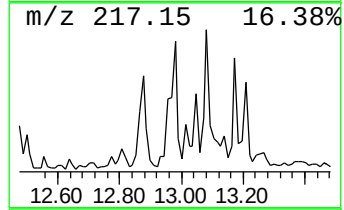
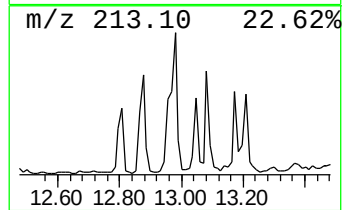
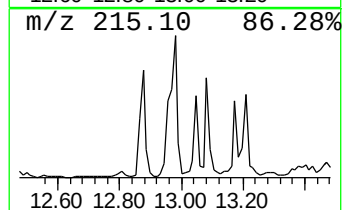
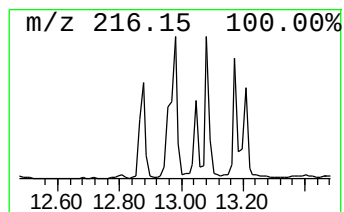
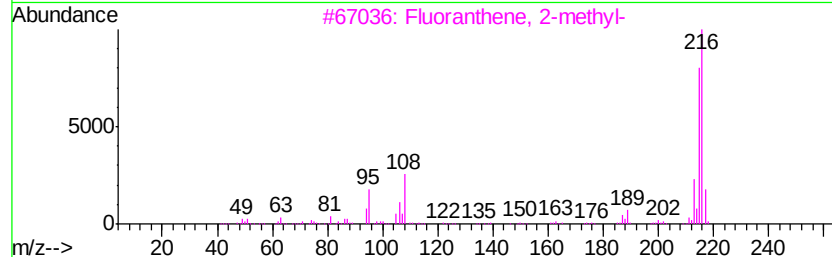
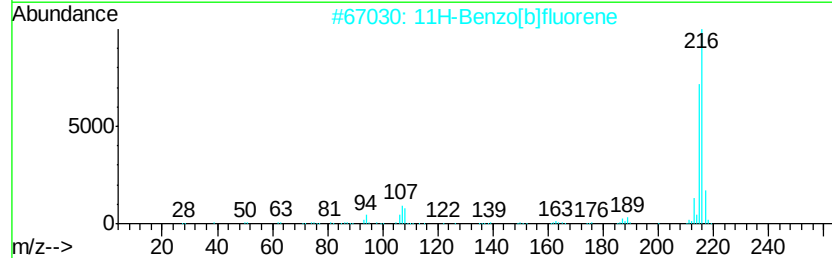
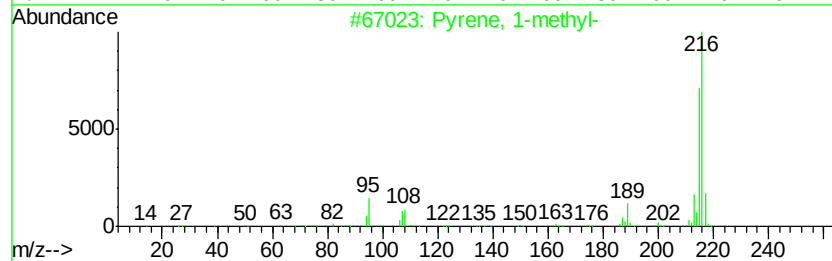
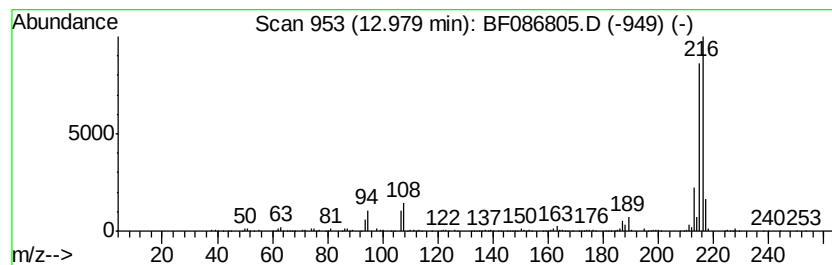
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	10.38 ng	1004280	Chrysene-d12	13.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086805.D
Acq On : 8 May 2016 6:13
Operator : UM/SJ
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EUT01-TD-B3(5-9)-CRE

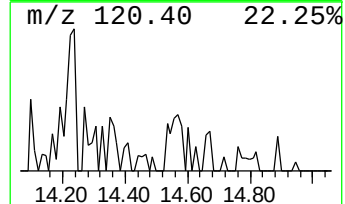
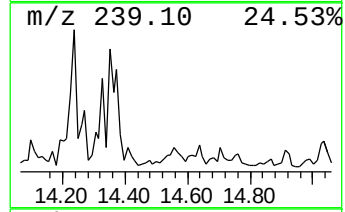
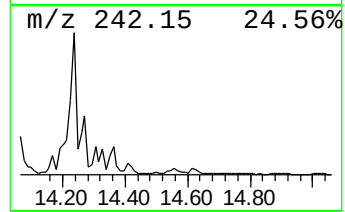
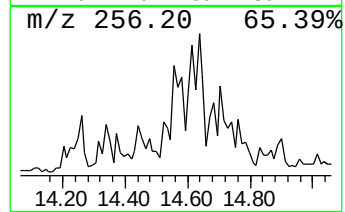
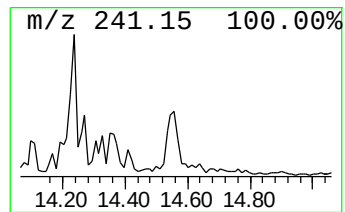
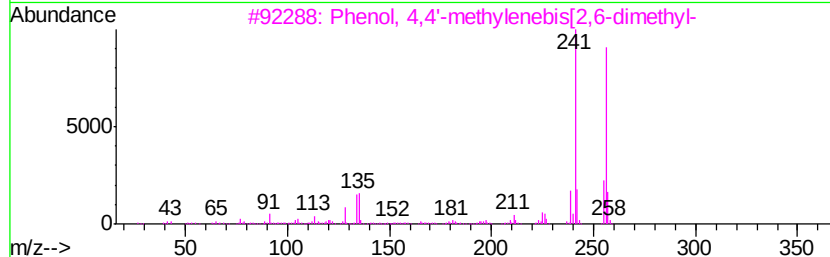
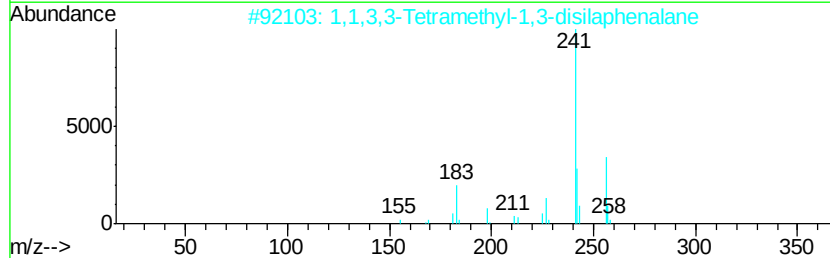
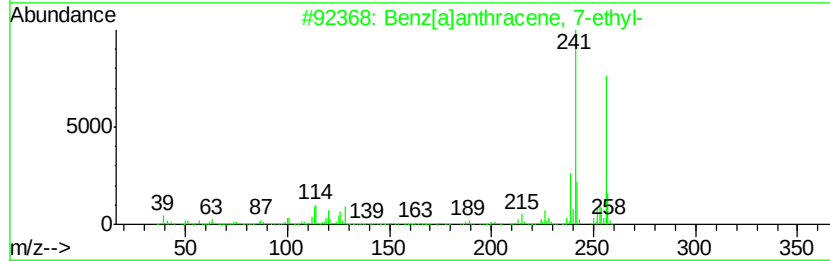
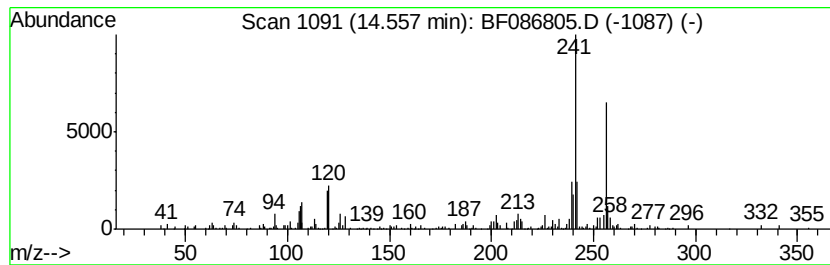
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benz[a]anthracene, 7-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	11.48 ng	270973	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[a]anthracene, 7-ethyl-	256	C20H16	003697-30-1	70
2		1,1,3,3-Tetramethyl-1,3-disilaph...	256	C15H20Si2	032538-51-5	50
3		Phenol, 4,4'-methylenebis[2,6-di...	256	C17H20O2	005384-21-4	49
4		1H-Pyrrole, 3-ethyl-5-[(4-ethyl-...	256	C17H24N2	002407-83-2	46
5		2-(4'-Methoxyphenyl)-2-(2'-metho...	256	C17H20O2	155726-81-1	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
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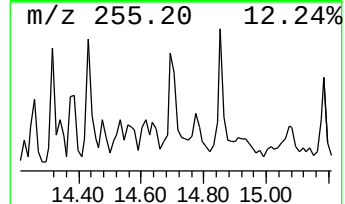
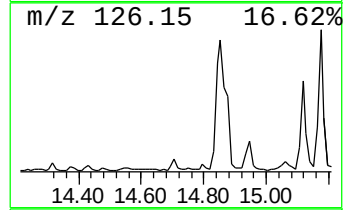
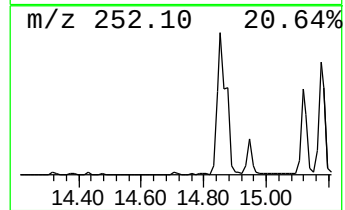
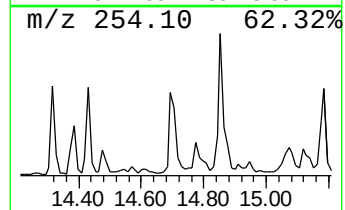
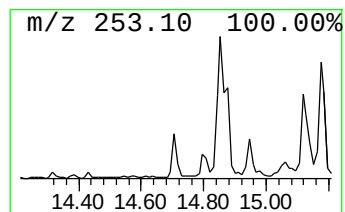
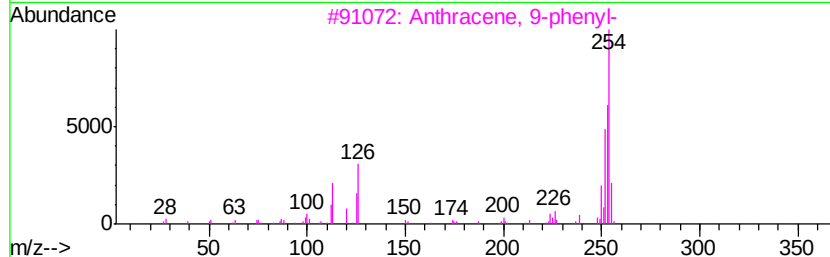
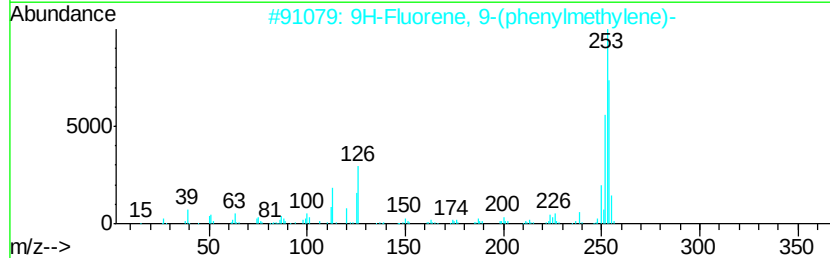
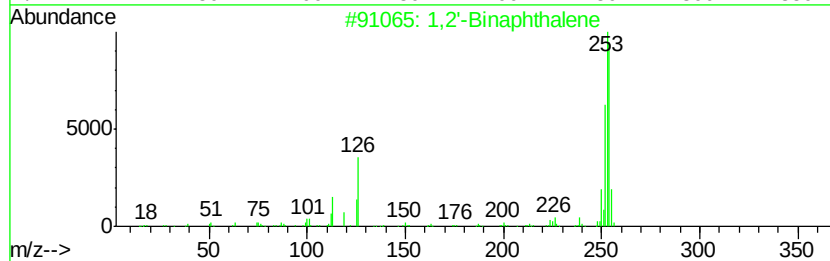
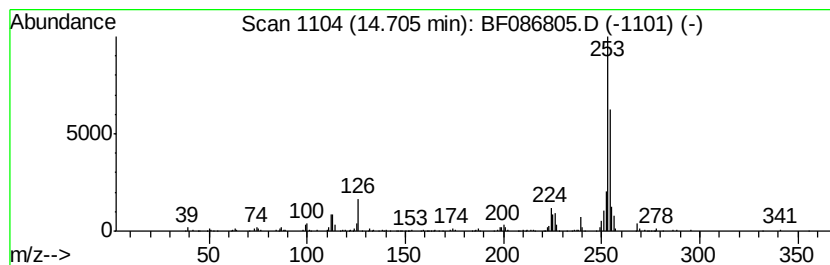
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ClientSampleId :
EUT01-TD-B3(5-9)-CRE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,2'-Binaphthalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.71	11.25 ng	265672	Perylene-d12	15.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	74
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	52
4	(7-Methyl-4,6,6a,7,8,10a-hexahyd...	254	C16H18N2O	1000192-61-1	50
5	4,6'-Biazulenyl	254	C20H14	094154-49-1	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086805.D
Acq On : 8 May 2016 6:13
Operator : UM/SJ
Sample : H2720-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EUT01-TD-B3(5-9)-CRE

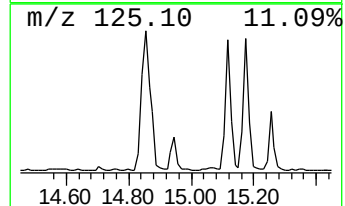
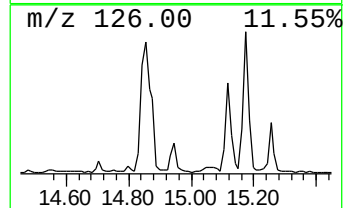
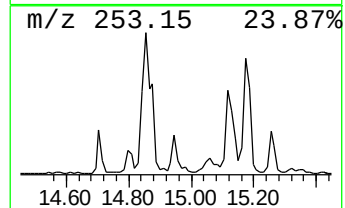
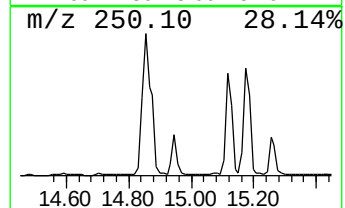
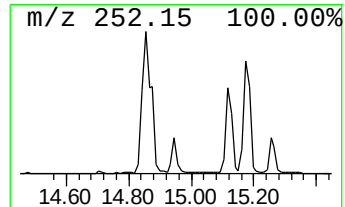
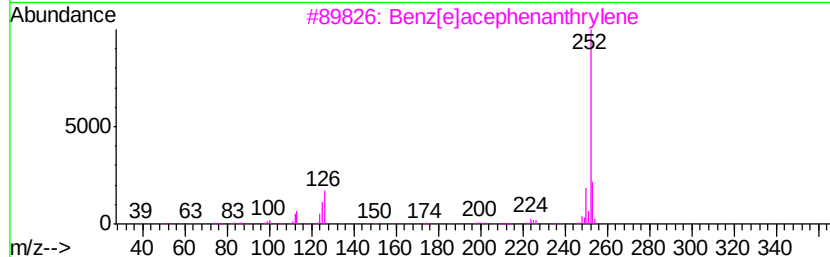
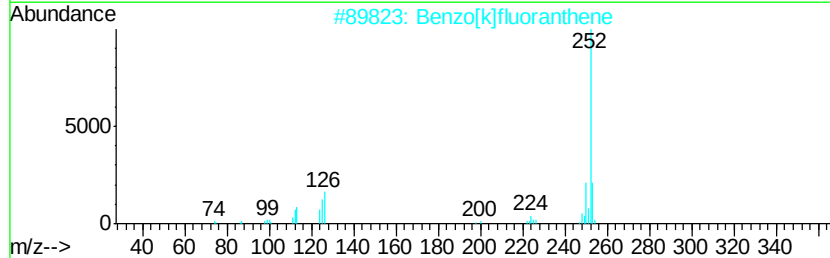
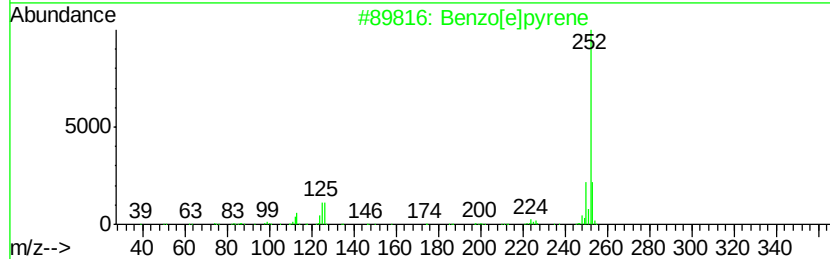
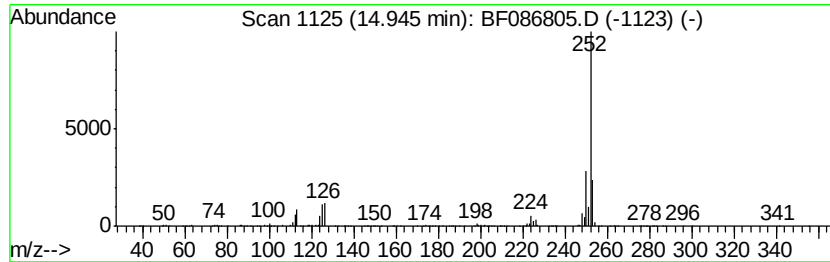
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	17.73 ng	418678	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	91
5		Perylene	252	C20H12	000198-55-0	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086805.D
Acq On : 8 May 2016 6:13
Operator : UM/SJ
Sample : H2720-15
Misc :
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Instrument :
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ClientSampleId :
EUT01-TD-B3(5-9)-CRE

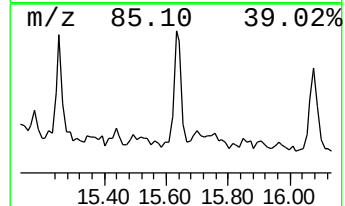
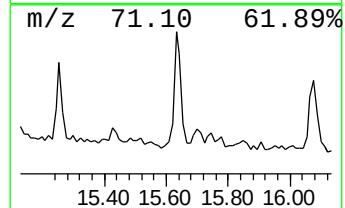
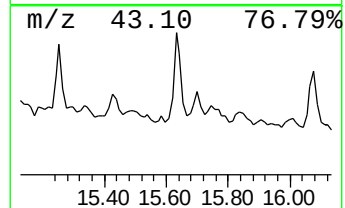
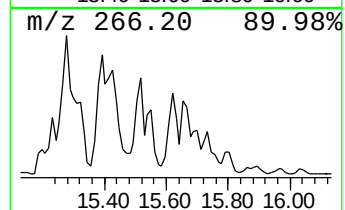
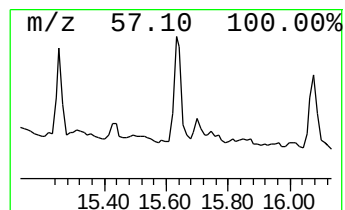
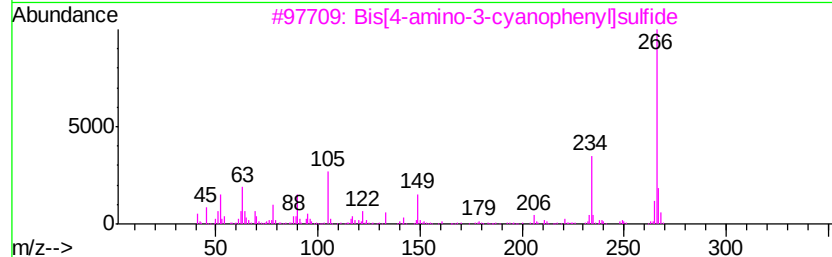
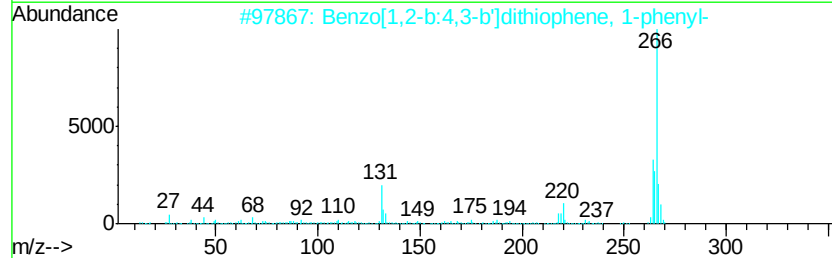
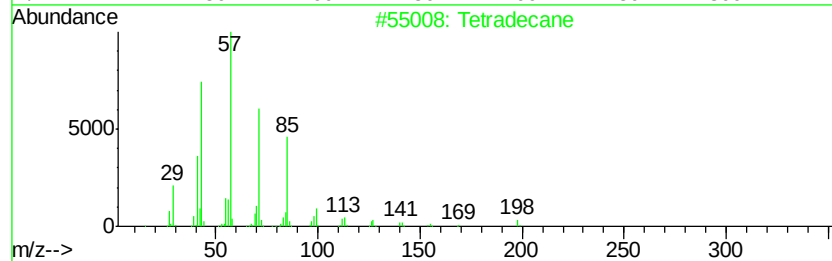
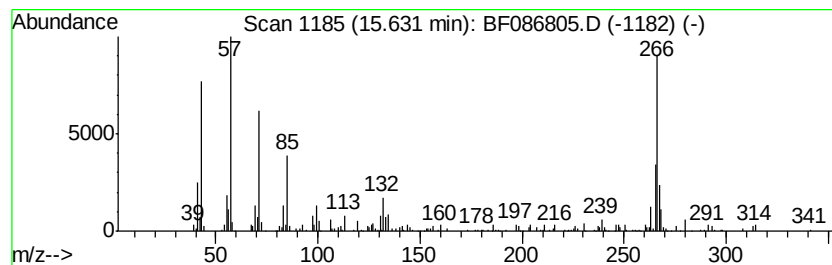
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown15.63 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	9.91 ng	233919	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	48
2		Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	46
3		Bis[4-amino-3-cyanophenyl]sulfide	266	C14H10N4S	061382-02-3	43
4		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	41
5		Nonadecane	268	C19H40	000629-92-5	38



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Acq On : 8 May 2016 6:13
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Sample : H2720-15
Misc :
ALS Vial : 73 Sample Multiplier: 1

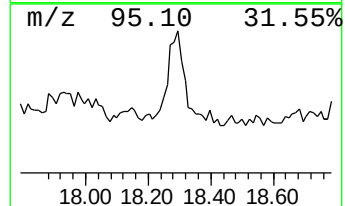
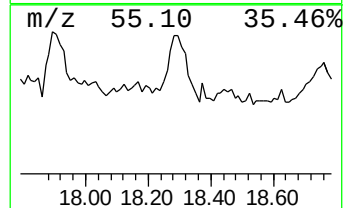
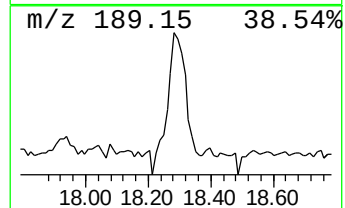
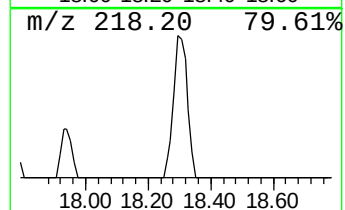
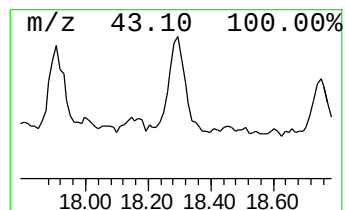
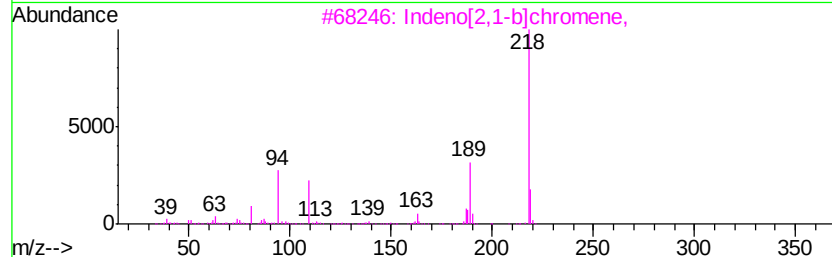
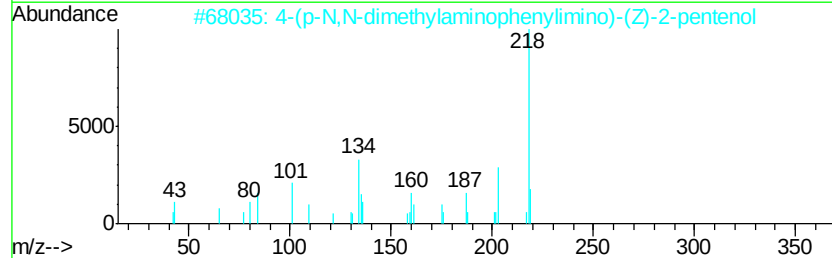
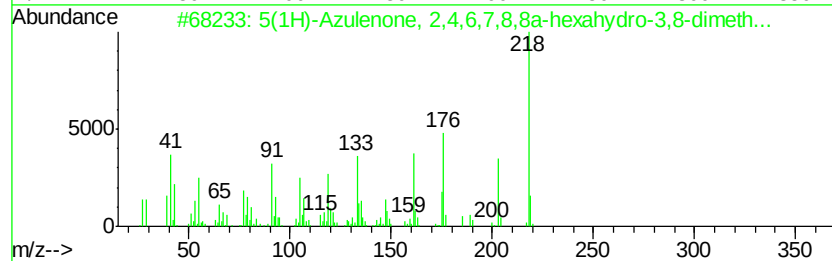
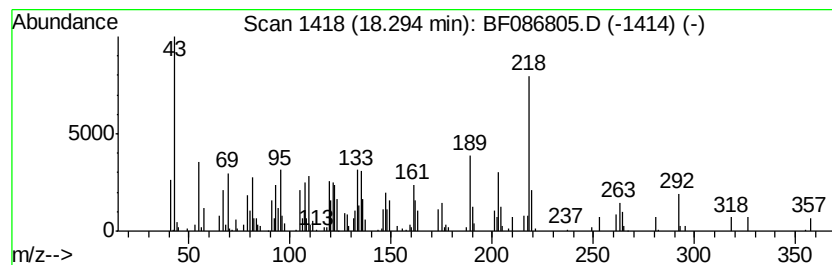
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EUT01-TD-B3(5-9)-CRE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 5(1H)-Azulenone, 2,4,6,7,8,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.29	10.81 ng	255292	Perylene-d12	15.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5(1H)-Azulenone, 2,4,6,7,8,8a-he...	218	C15H22O	006754-66-1	55	
2	4-(p-N,N-dimethylaminophenylimin...	218	C13H18N2O	1000100-07-8	45	
3	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	43	
4	1-Hydroxypyrene	218	C16H10O	005315-79-7	43	
5	1H-Pyrrolo[3,4-c]quinoline-1,3,4...	218	C11H10N2O3	181021-85-2	38	



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Sample : H2720-15
Misc :
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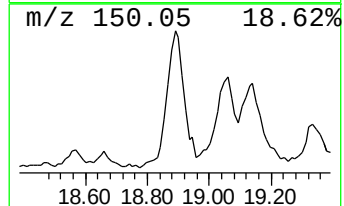
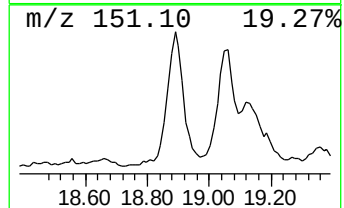
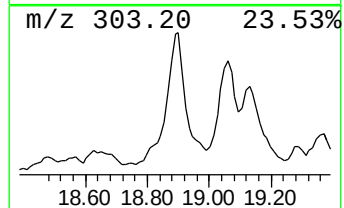
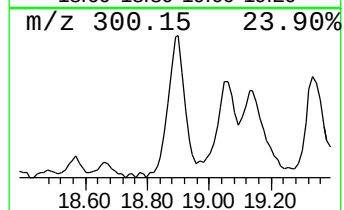
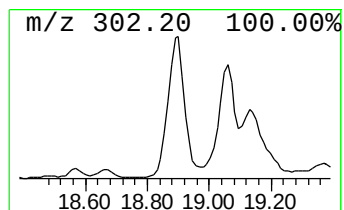
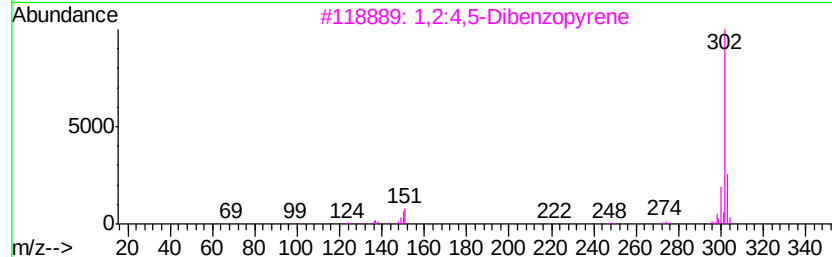
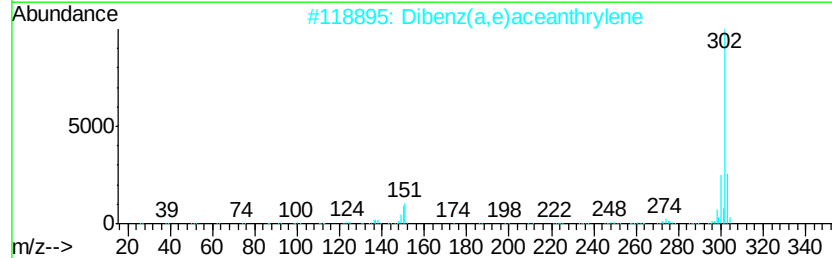
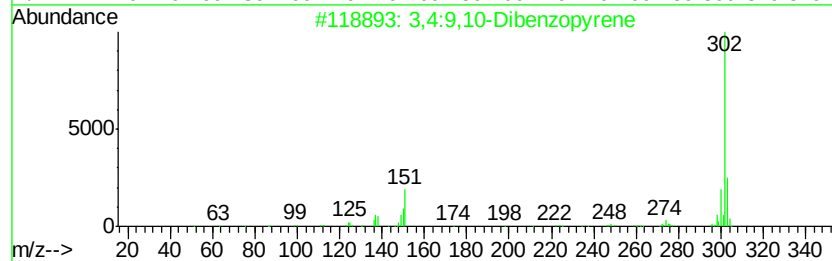
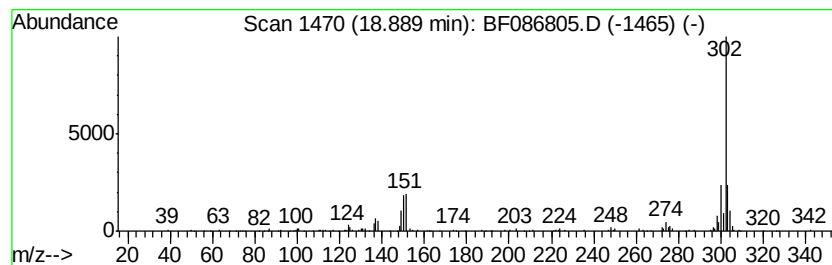
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Peak Number 19 3,4:9,10-Dibenzopyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.89	20.28 ng	478894	Perylene-d12	15.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	99
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	96
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95



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EUT01-TD-B3(5-9)-CRE

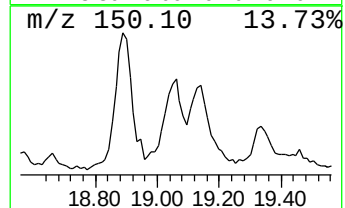
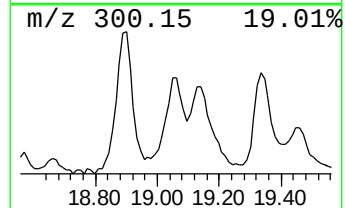
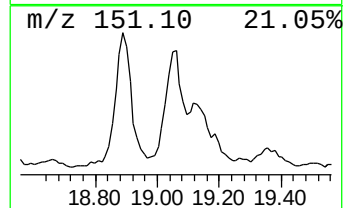
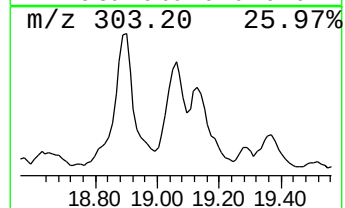
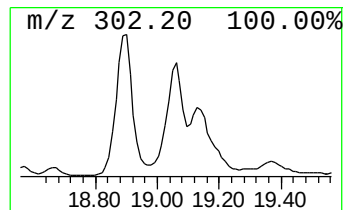
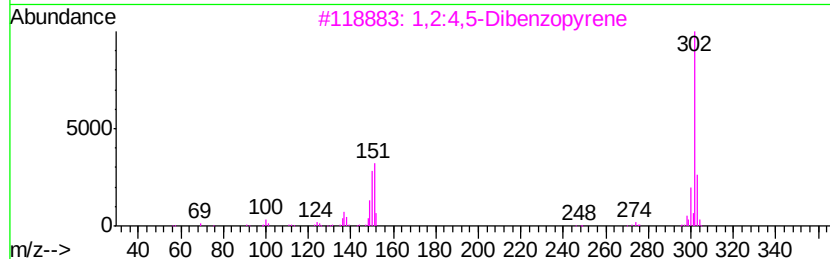
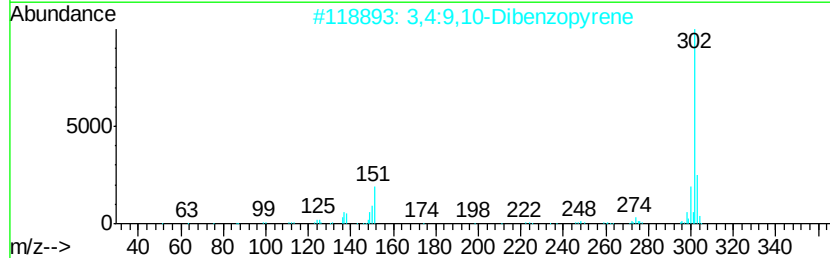
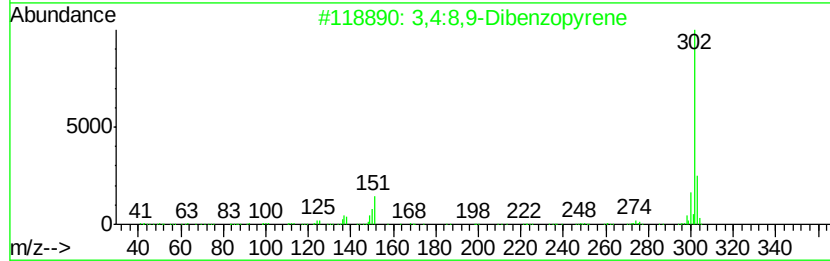
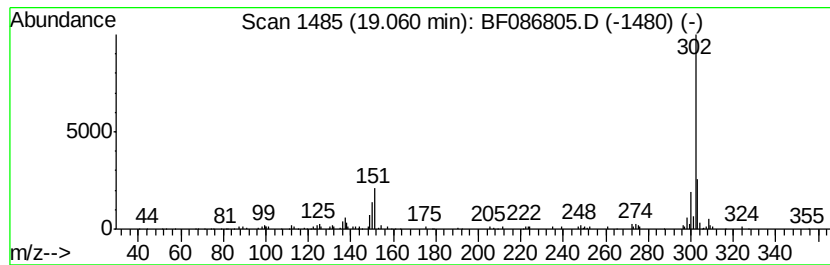
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	11.71 ng	276458	Perylene-d12	15.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
2		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	95
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	89
5		Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	81



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 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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unknown6.48	6.48	139.9	ng	5017650	1	6.70	1434640	40.0
Phenanthrene, 1-m...	11.71	11.3	ng	558923	4	11.22	1975300	40.0
Phenanthrene, 2-m...	11.75	19.1	ng	942830	4	11.22	1975300	40.0
4H-Cyclopenta[def...	11.83	29.9	ng	1474210	4	11.22	1975300	40.0
Phenanthrene, 2,5...	12.27	12.1	ng	597419	4	11.22	1975300	40.0
Cyclopenta(def)ph...	12.35	10.5	ng	517451	4	11.22	1975300	40.0
Pyrene, 1-methyl-	12.98	10.4	ng	1004280	5	13.85	3869630	40.0
Benz[a]anthracene...	14.56	11.5	ng	270973	6	15.23	944397	40.0
1,2'-Binaphthalene	14.71	11.3	ng	265672	6	15.23	944397	40.0
Benzo[e]pyrene	14.95	17.7	ng	418678	6	15.23	944397	40.0
unknown15.63	15.63	9.9	ng	233919	6	15.23	944397	40.0
5(1H)-Azulenone, ...	18.29	10.8	ng	255292	6	15.23	944397	40.0
3,4:9,10-Dibenzop...	18.89	20.3	ng	478894	6	15.23	944397	40.0
3,4:8,9-Dibenzopy...	19.06	11.7	ng	276458	6	15.23	944397	40.0