

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060916\
 Data File : BF087852.D
 Acq On : 9 Jun 2016 15:04
 Operator : UM/SJ
 Sample : H3399-10 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-30

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-BF060716.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	1.884	24	26	88	rVB	1839244	4866279	100.00%	20.022%
2	4.970	294	296	300	rVB	73271	69185	1.42%	0.285%
3	5.404	331	334	336	rVB	306224	407541	8.37%	1.677%
4	6.444	422	425	427	rVB	408615	447994	9.21%	1.843%
5	6.582	434	437	439	rBV	516438	477551	9.81%	1.965%
6	6.822	455	458	460	rBV	599129	662302	13.61%	2.725%
7	6.970	467	471	474	rBV	466503	449125	9.23%	1.848%
8	7.382	504	507	509	rBV	240593	281474	5.78%	1.158%
9	8.102	568	570	574	rBV2	1091640	1220187	25.07%	5.020%
10	8.810	630	632	634	rBV	130930	108745	2.23%	0.447%
11	8.913	638	641	643	rVV	83575	68535	1.41%	0.282%
12	9.176	662	664	666	rBV	814566	640312	13.16%	2.635%
13	9.508	691	693	695	rBV	55757	64164	1.32%	0.264%
14	9.850	721	723	725	rBV	1117016	988116	20.31%	4.066%
15	9.885	725	726	728	rVB	278186	193253	3.97%	0.795%
16	10.056	739	741	743	rBV	204788	190161	3.91%	0.782%
17	10.399	769	771	773	rVB	237426	264320	5.43%	1.088%
18	10.548	783	784	787	rVB	47550	54789	1.13%	0.225%
19	10.628	789	791	794	rBV	166142	186771	3.84%	0.768%
20	10.936	815	818	820	rBV2	46244	81041	1.67%	0.333%
21	11.085	827	831	834	rBV3	24884	72770	1.50%	0.299%
22	11.188	838	840	841	rBV	35877	57753	1.19%	0.238%
23	11.222	841	843	847	rVB	104887	120668	2.48%	0.496%
24	11.325	850	852	853	rBV	748666	898975	18.47%	3.699%
25	11.359	853	855	856	rVV	1182839	1410663	28.99%	5.804%
26	11.405	856	859	860	rVV	434174	397387	8.17%	1.635%
27	11.553	869	872	877	rBV2	173709	198534	4.08%	0.817%
28	11.828	894	896	897	rBV	196970	162718	3.34%	0.670%
29	11.851	897	898	901	rVB	182317	206789	4.25%	0.851%
30	11.896	901	902	904	rBV	68226	87818	1.80%	0.361%
31	11.942	904	906	910	rVB2	245553	376092	7.73%	1.547%
32	12.125	919	922	927	rVB	129086	157097	3.23%	0.646%
33	12.319	936	939	942	rVB3	29316	58003	1.19%	0.239%
34	12.376	942	944	945	rBV	89984	96190	1.98%	0.396%

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35	12.411	945	947	950	rVB2	54691	84576	1.74%	0.348%
36	12.456	950	951	956	rVB2	51185	64775	1.33%	0.267%
37	12.536	956	958	960	rBV	1272263	1088077	22.36%	4.477%
38	12.594	960	963	967	rVB4	28428	64111	1.32%	0.264%
39	12.685	967	971	973	rBV2	44733	78565	1.61%	0.323%
40	12.765	975	978	980	rBV	874417	1107028	22.75%	4.555%
41	12.811	980	982	985	rVB2	54029	73486	1.51%	0.302%
42	12.879	985	988	989	rBV	69327	72799	1.50%	0.300%
43	12.902	989	990	993	rVB	370875	503476	10.35%	2.072%
44	12.982	993	997	998	rBV2	62678	88473	1.82%	0.364%
45	13.085	1001	1006	1008	rBV2	159888	234575	4.82%	0.965%
46	13.154	1010	1012	1013	rBV	162206	133023	2.73%	0.547%
47	13.188	1013	1015	1017	rBV	92439	88148	1.81%	0.363%
48	13.485	1039	1041	1047	rVB2	26767	64386	1.32%	0.265%
49	13.588	1047	1050	1053	rBV2	42823	82326	1.69%	0.339%
50	13.702	1057	1060	1061	rBV2	68632	84988	1.75%	0.350%
51	13.737	1061	1063	1067	rBV3	31074	76291	1.57%	0.314%
52	13.954	1078	1082	1083	rBV2	838354	1177111	24.19%	4.843%
53	14.057	1087	1091	1092	rBV	72557	75027	1.54%	0.309%
54	14.137	1092	1098	1099	rVV4	37809	60907	1.25%	0.251%
55	14.331	1113	1115	1117	rVV	56794	85143	1.75%	0.350%
56	14.434	1120	1124	1125	rBV4	41785	71610	1.47%	0.295%
57	14.582	1136	1137	1140	rVB	37139	49419	1.02%	0.203%
58	14.960	1167	1170	1175	rBV	309018	573935	11.79%	2.361%
59	15.062	1177	1179	1181	rVB	58970	72209	1.48%	0.297%
60	15.142	1184	1186	1189	rBV2	22513	54340	1.12%	0.224%
61	15.245	1192	1195	1198	rVV	160019	215521	4.43%	0.887%
62	15.302	1198	1200	1202	rVV	240200	292009	6.00%	1.201%
63	15.360	1202	1205	1212	rVB	552901	785637	16.14%	3.233%
64	15.508	1216	1218	1221	rBV2	19448	60912	1.25%	0.251%
65	16.022	1261	1263	1269	rVB4	30452	59729	1.23%	0.246%
66	16.560	1306	1310	1314	rBV3	20900	58224	1.20%	0.240%
67	16.708	1320	1323	1328	rVB2	109890	235908	4.85%	0.971%
68	17.120	1355	1359	1367	rVB	88392	200193	4.11%	0.824%
69	17.337	1375	1378	1385	rVB	26771	68904	1.42%	0.284%
70	19.188	1535	1540	1548	rVB	22103	95046	1.95%	0.391%

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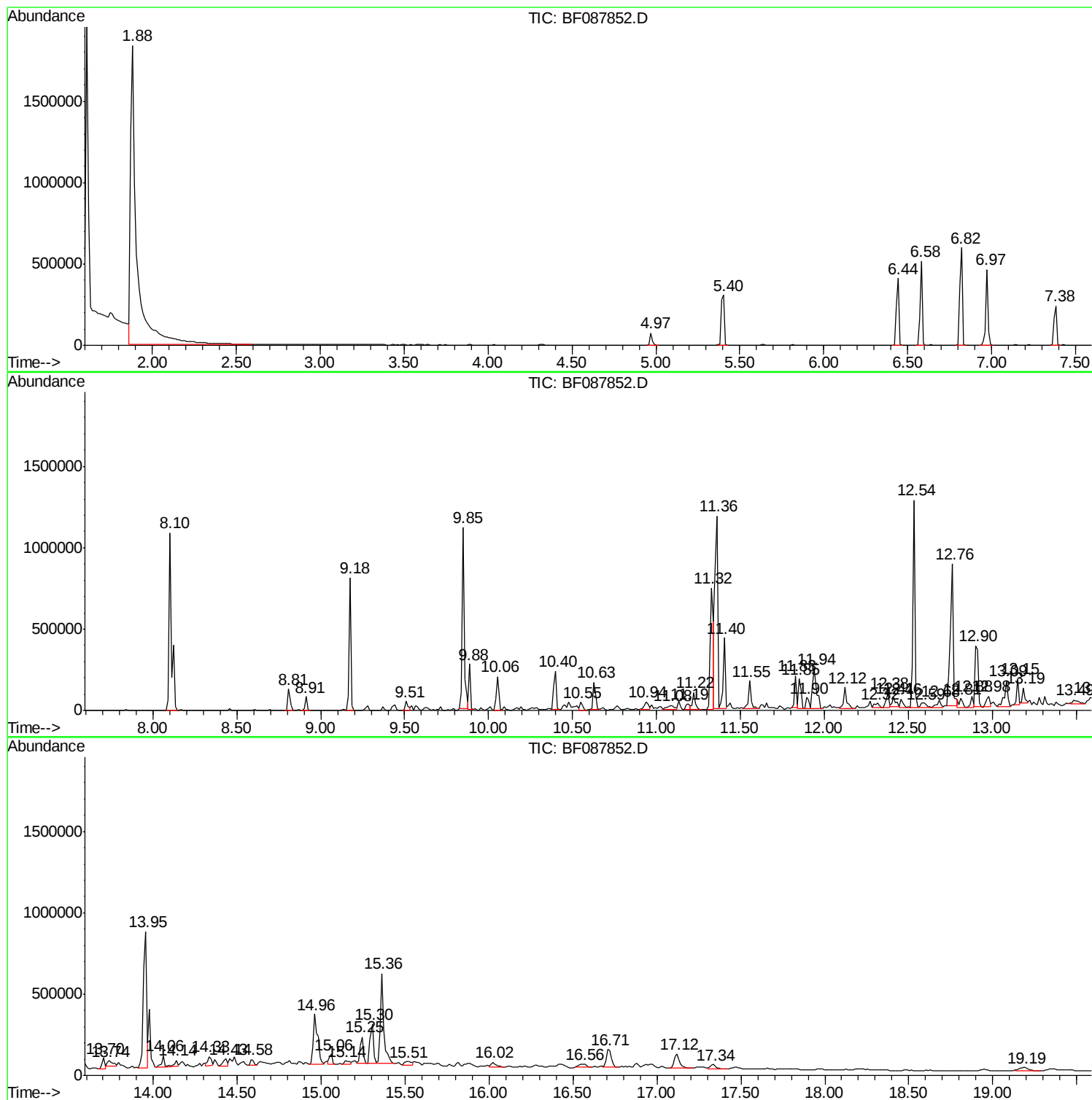
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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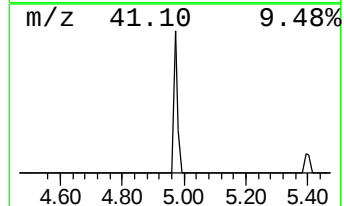
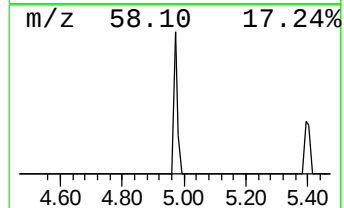
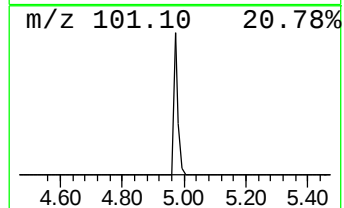
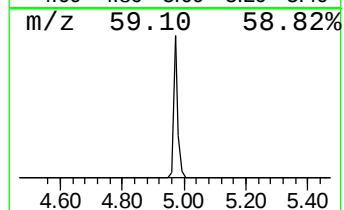
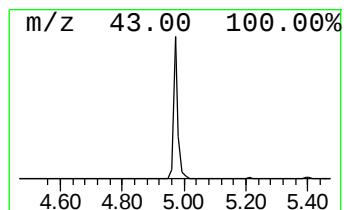
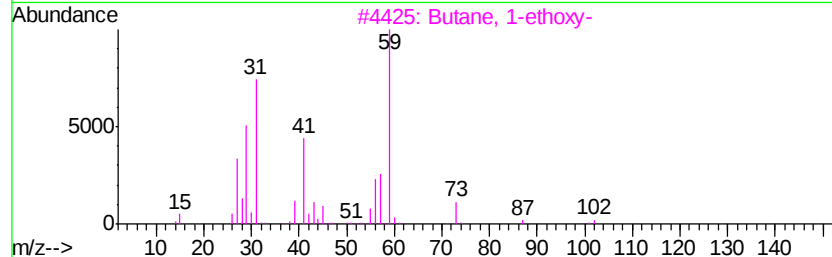
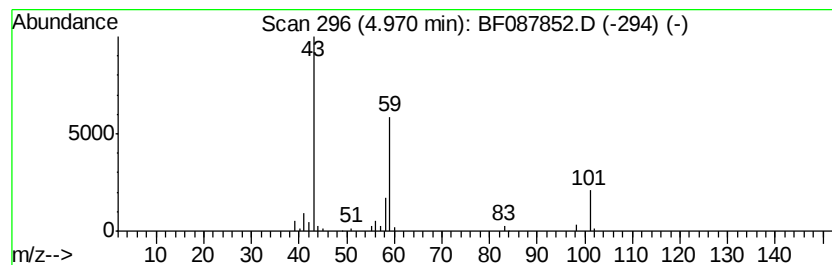
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	2.09 ng	69185	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
3		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		5-Hexen-2-one	98	C6H10O	000109-49-9	9



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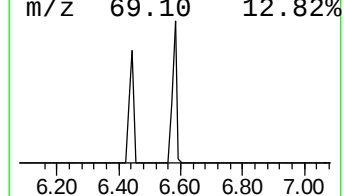
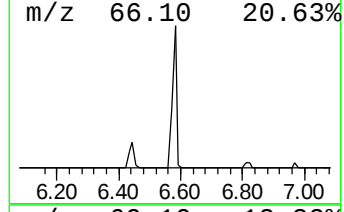
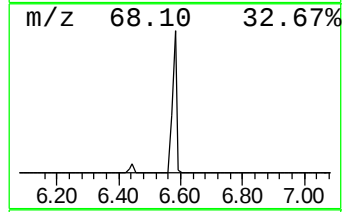
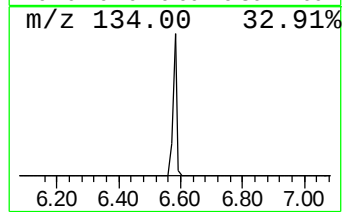
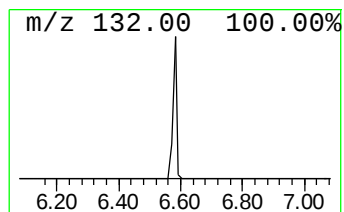
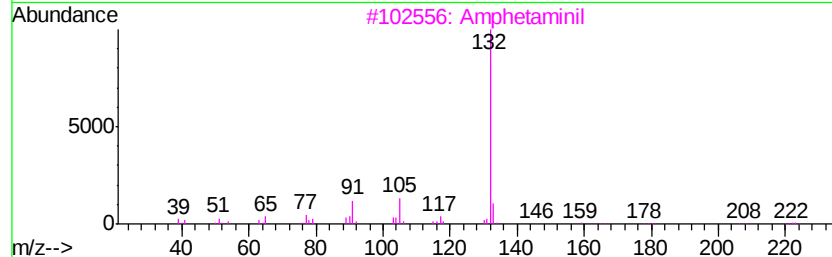
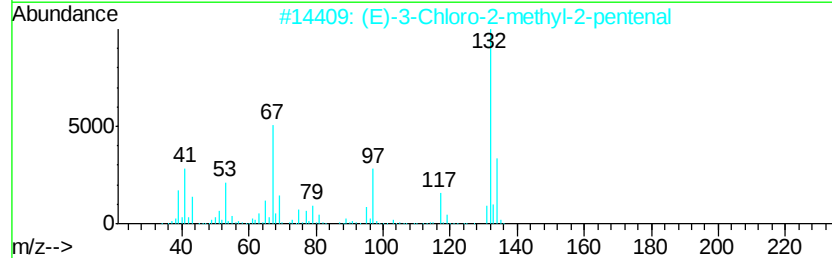
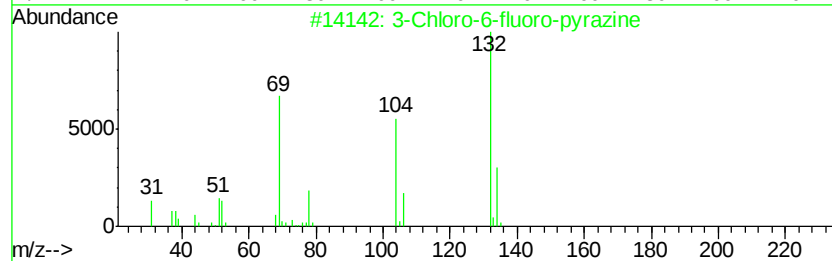
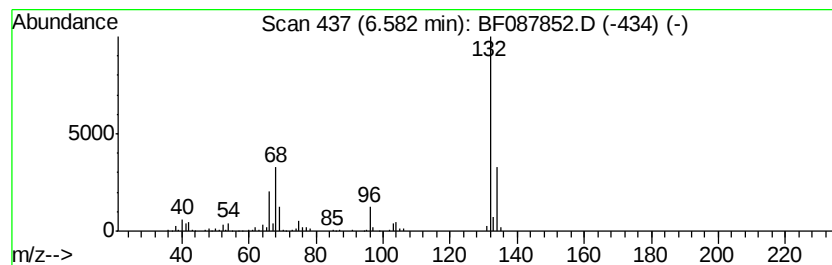
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Peak Number 3 unknown6.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	14.42 ng	477551	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Amphetaminil	250	C17H18N2	017590-01-1	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Xenon	132	Xe	007440-63-3	9



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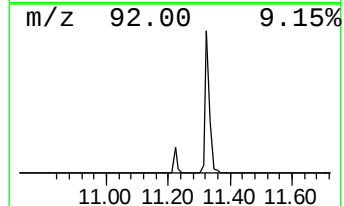
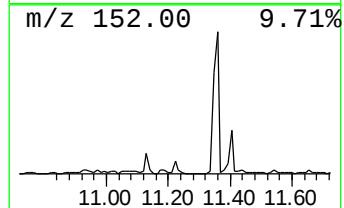
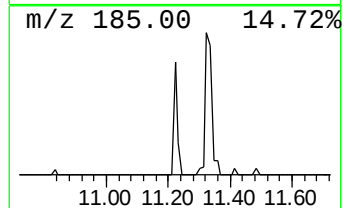
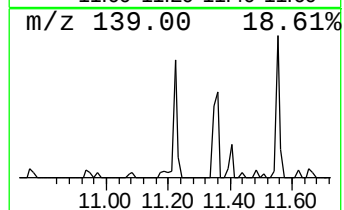
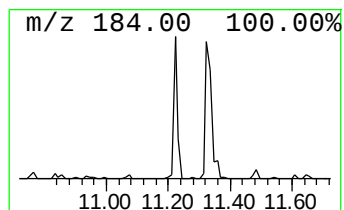
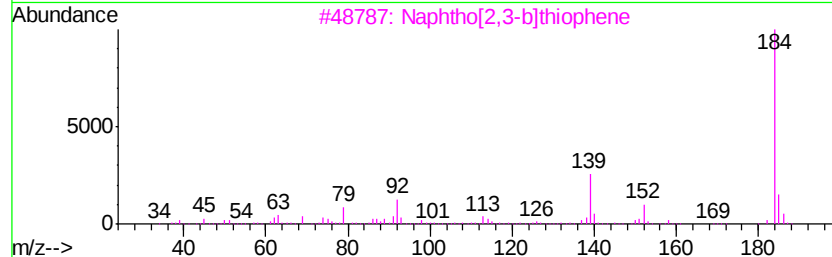
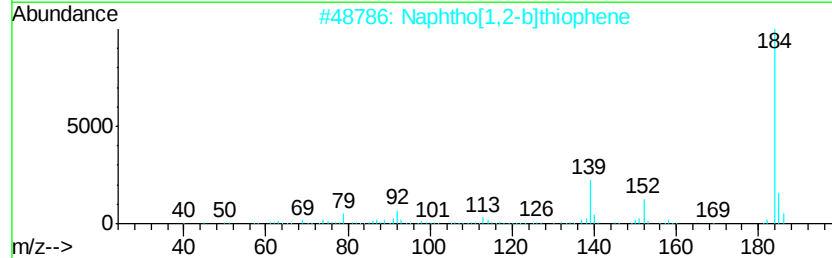
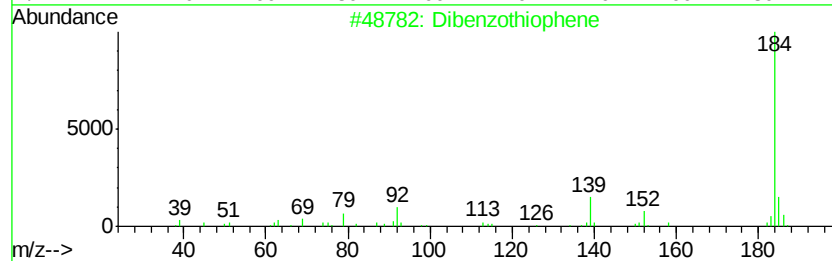
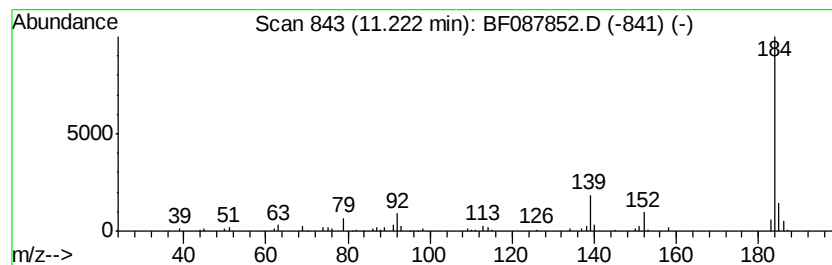
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Peak Number 5 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	2.68 ng	120668	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



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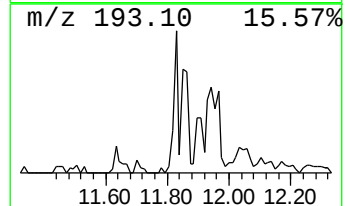
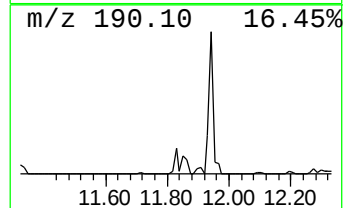
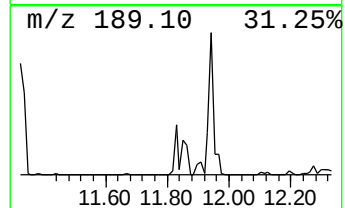
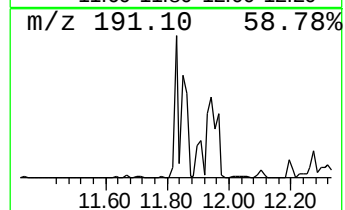
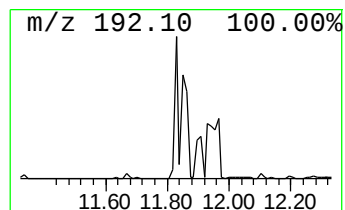
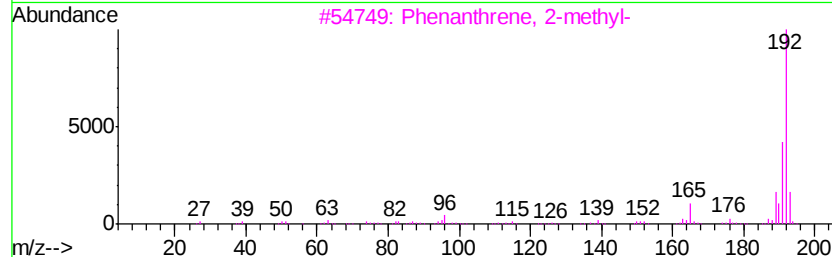
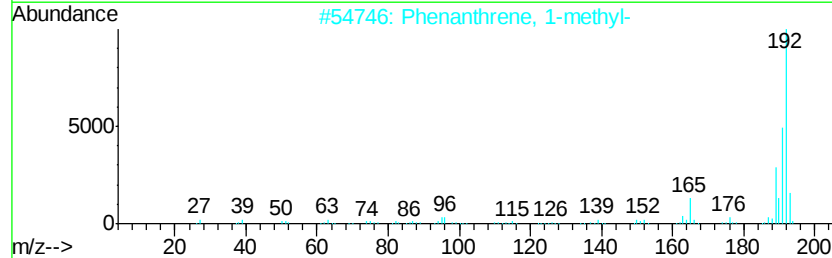
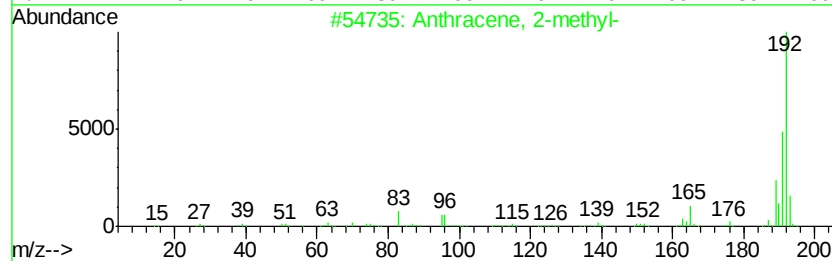
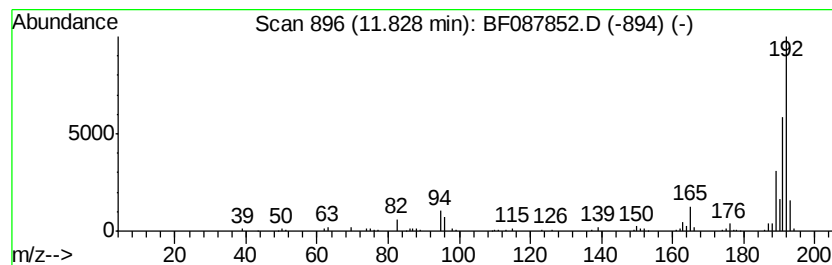
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Peak Number 6 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.62 ng	162718	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



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Sample : H3399-10 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SS-30

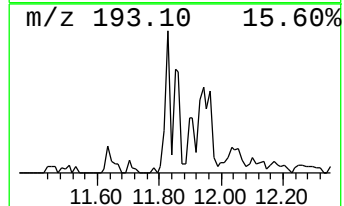
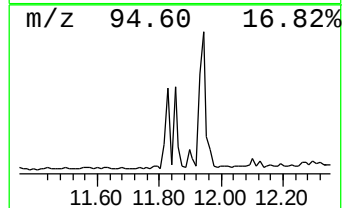
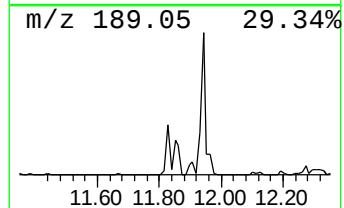
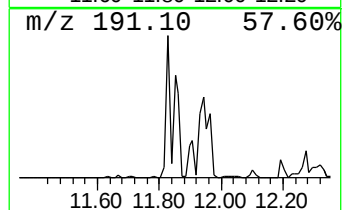
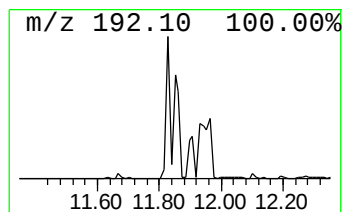
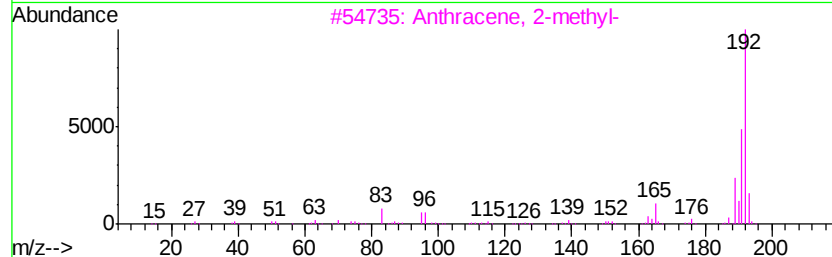
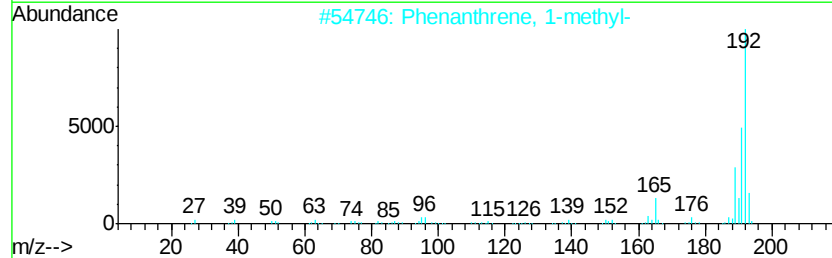
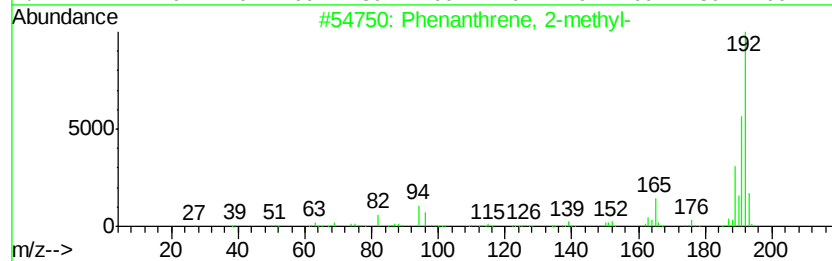
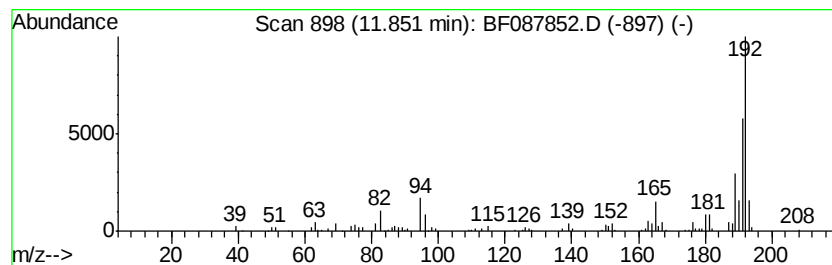
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	4.60 ng	206789	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087852.D
Acq On : 9 Jun 2016 15:04
Operator : UM/SJ
Sample : H3399-10 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SS-30

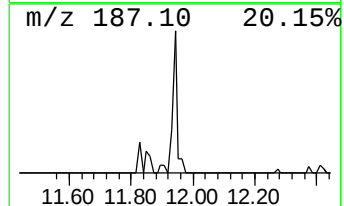
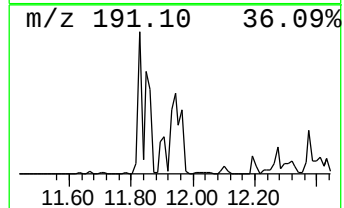
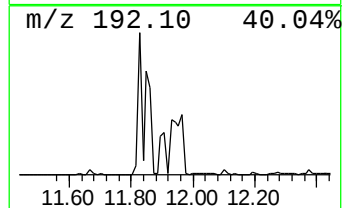
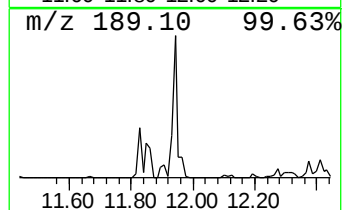
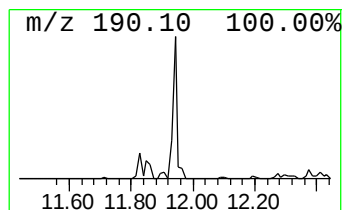
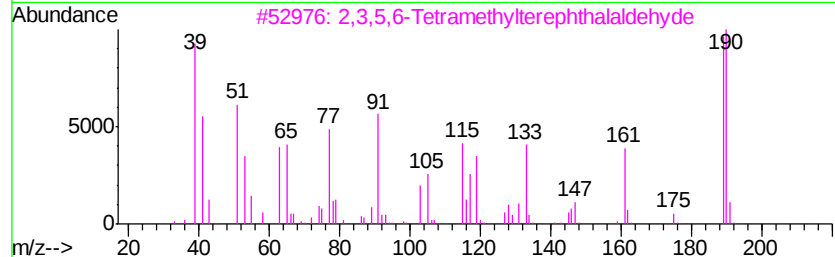
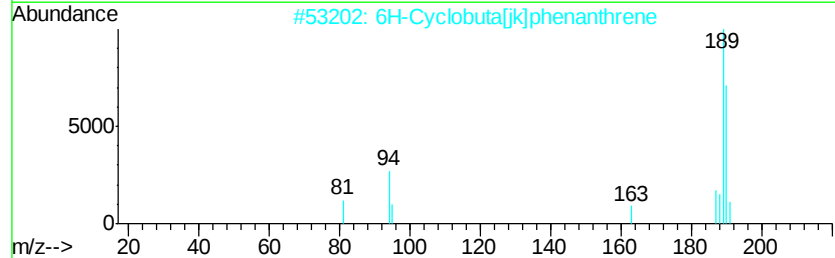
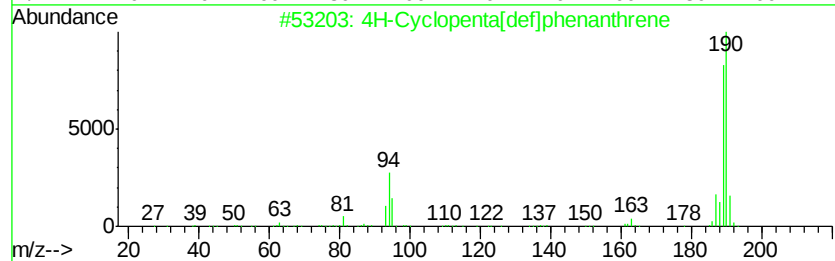
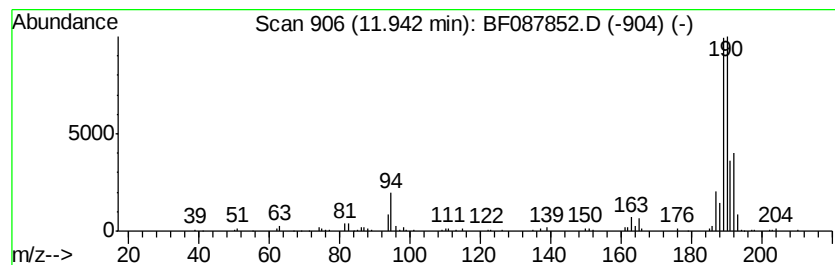
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	8.37 ng	376092	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	59
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4		Methyl diselenide	190	C2H6Se2	007101-31-7	45
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087852.D
Acq On : 9 Jun 2016 15:04
Operator : UM/SJ
Sample : H3399-10 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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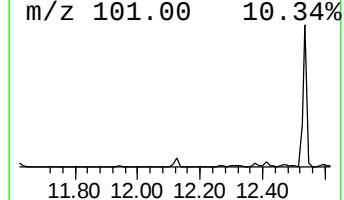
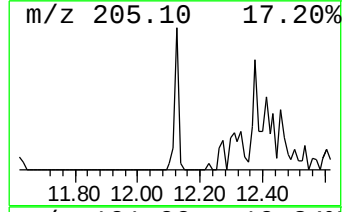
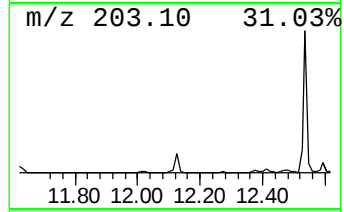
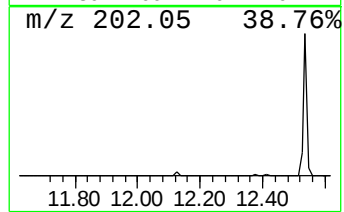
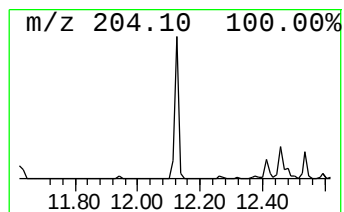
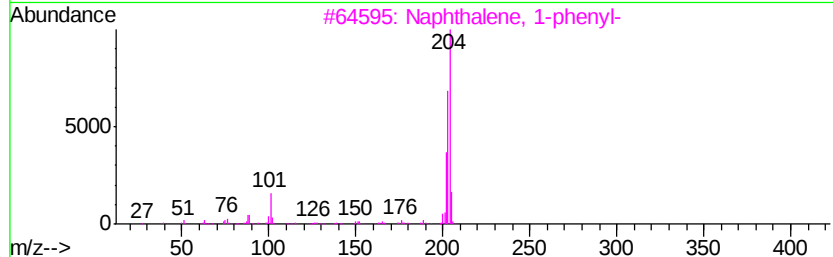
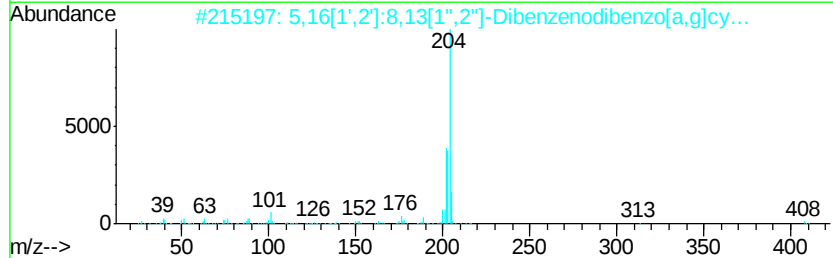
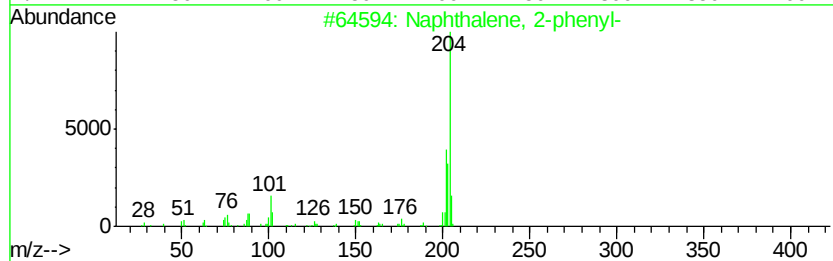
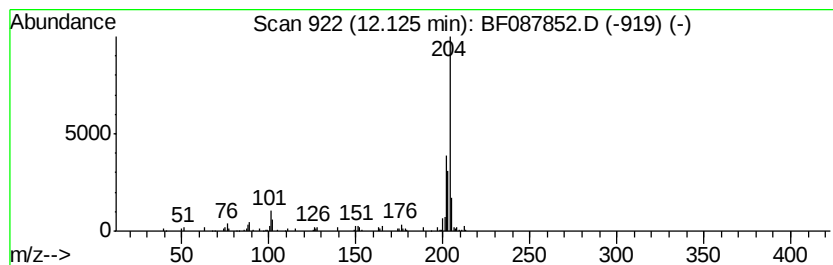
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.50 ng	157097	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		5,16[1',2']: ^{8,13} [1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060916\
Data File : BF087852.D
Acq On : 9 Jun 2016 15:04
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Sample : H3399-10 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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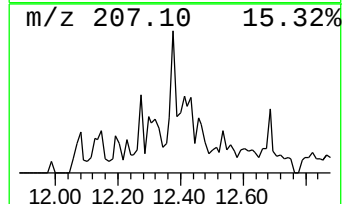
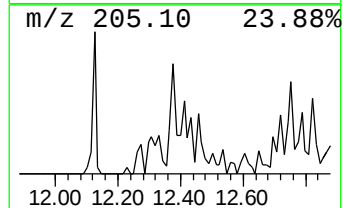
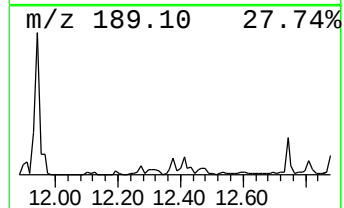
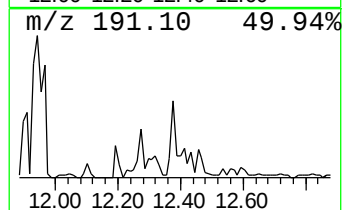
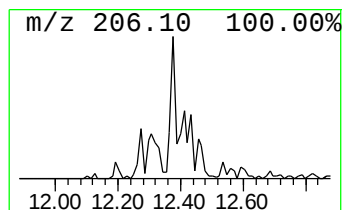
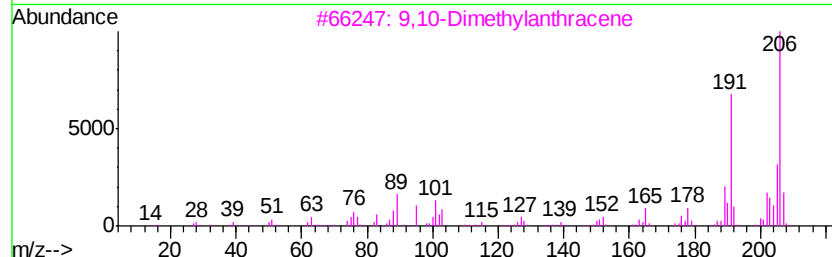
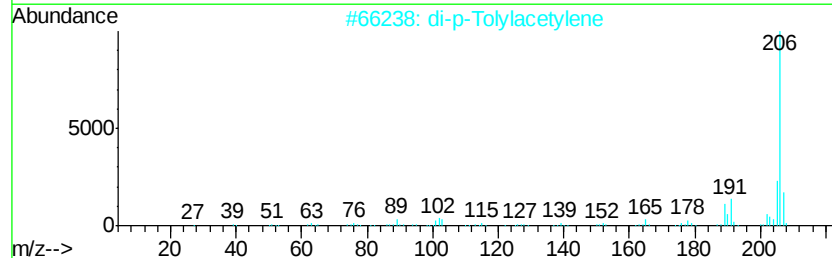
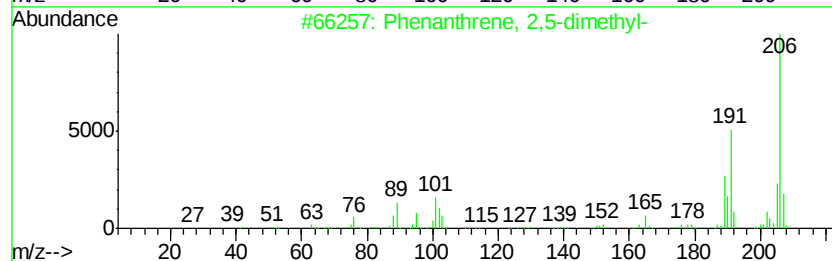
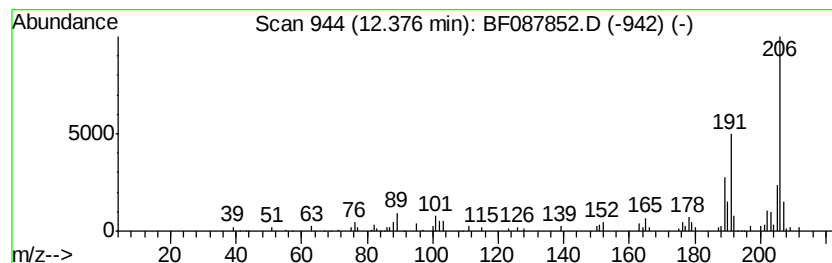
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.14 ng	96190	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
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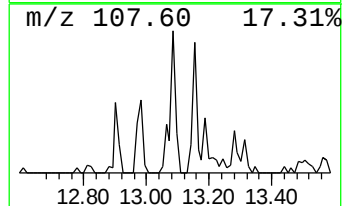
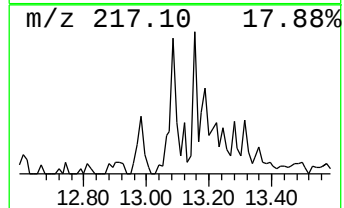
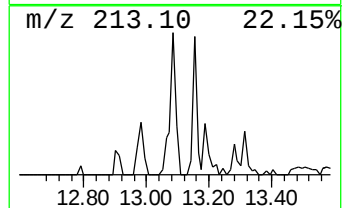
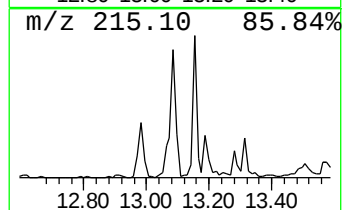
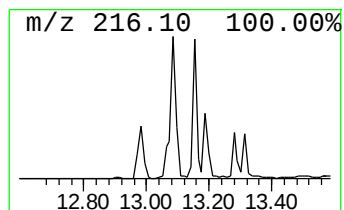
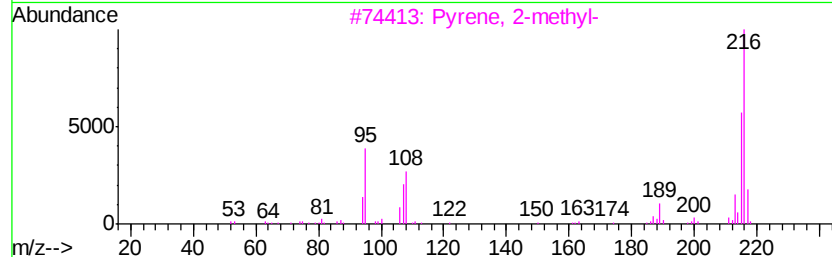
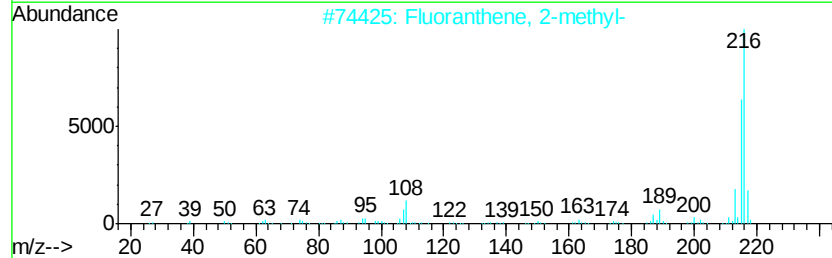
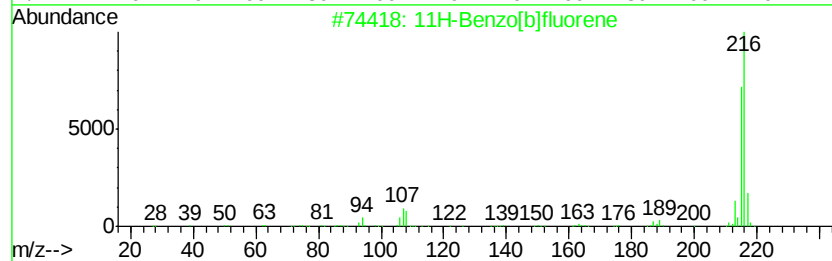
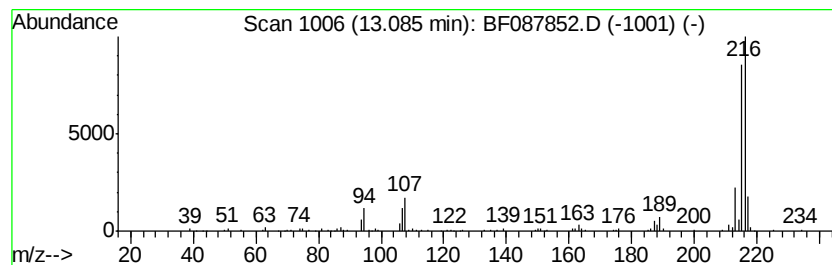
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.09	3.99 ng	234575	Chrysene-d12	13.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
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Sample : H3399-10 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

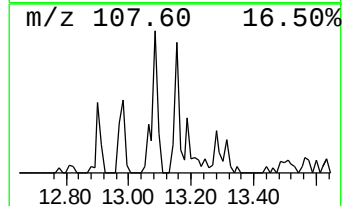
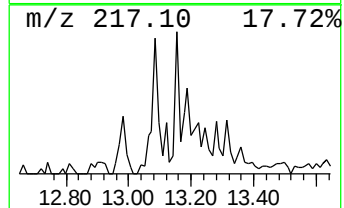
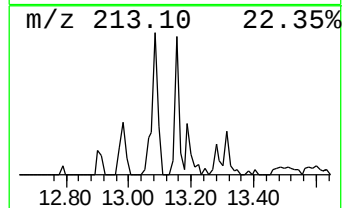
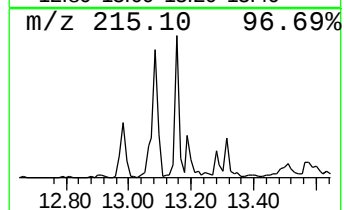
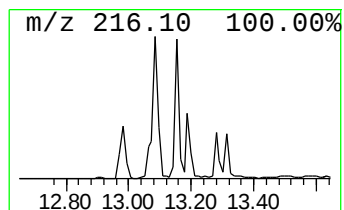
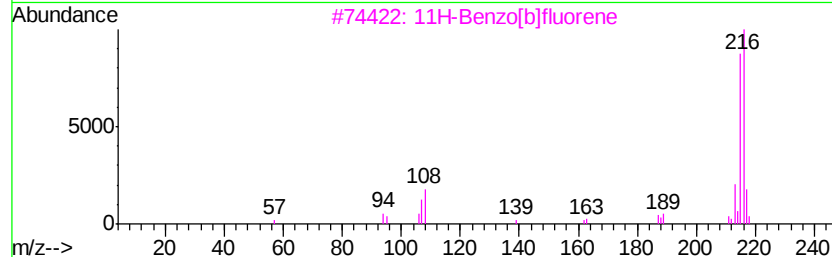
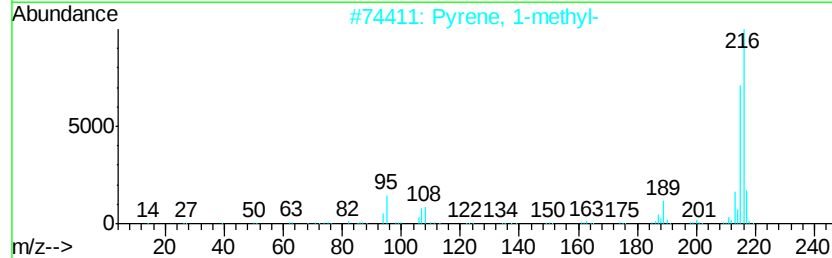
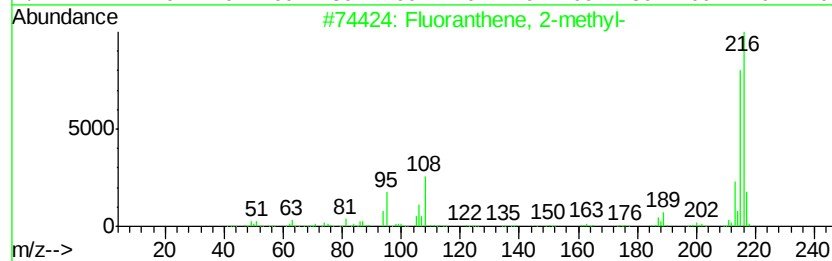
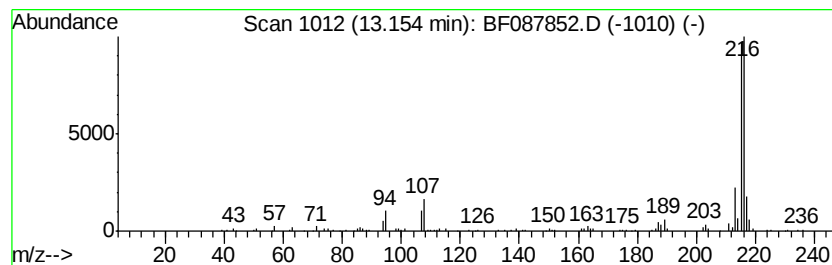
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.15	2.26 ng	133023	Chrysene-d12		13.95
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
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Misc :
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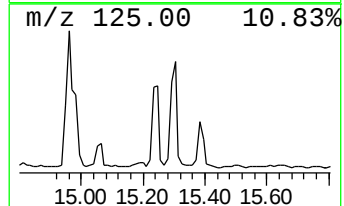
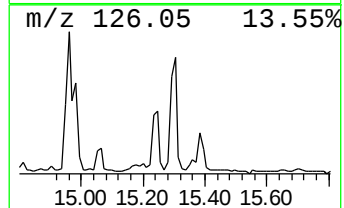
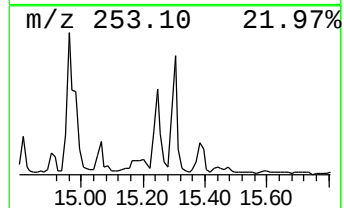
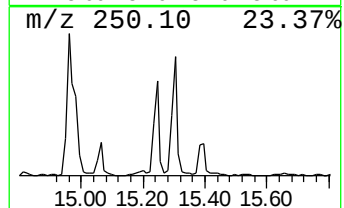
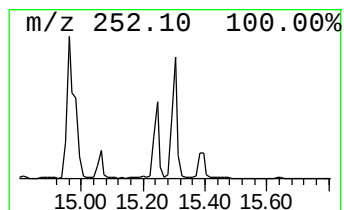
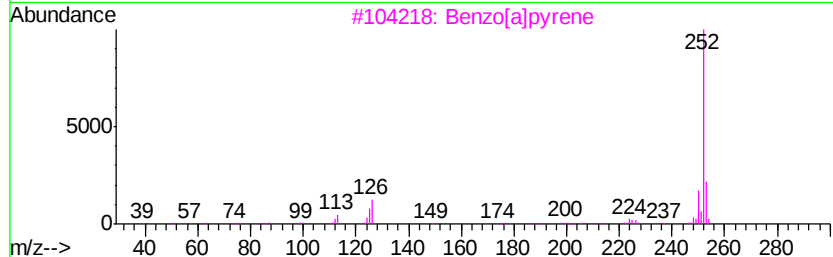
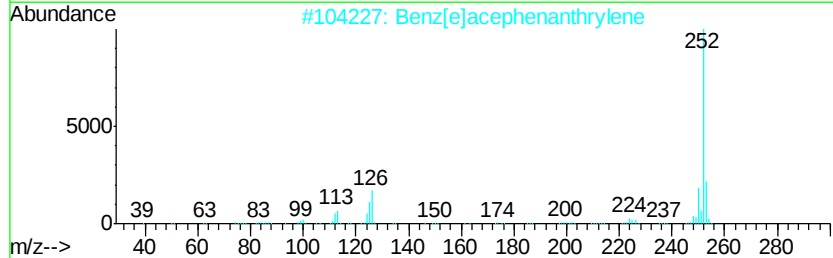
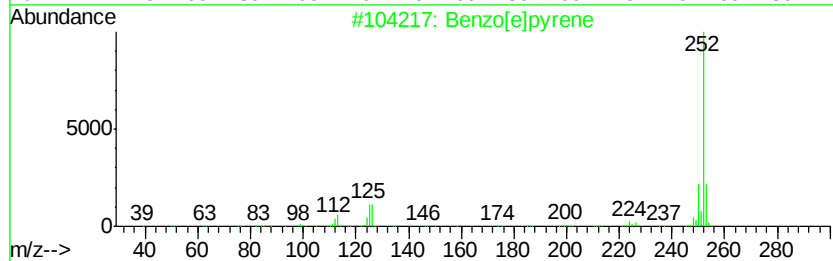
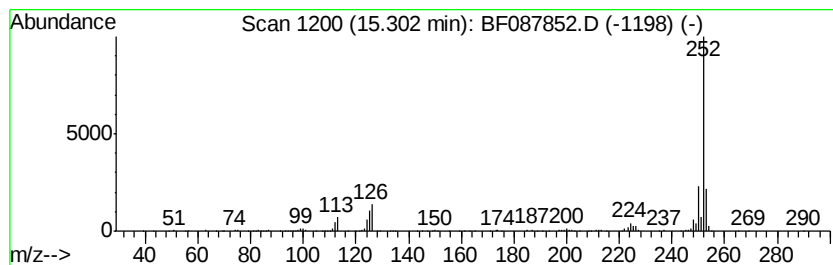
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\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.	
15.30	7.43 ng	292009	Perylene-d12	15.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	98
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Perylene	252	C20H12	000198-55-0	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087852.D
Acq On : 9 Jun 2016 15:04
Operator : UM/SJ
Sample : H3399-10 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-30

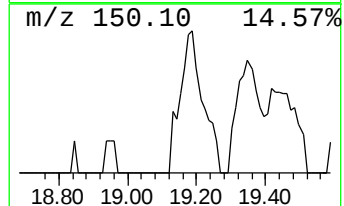
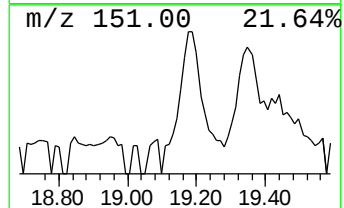
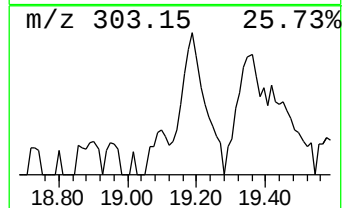
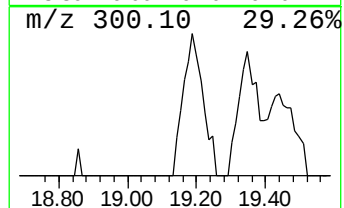
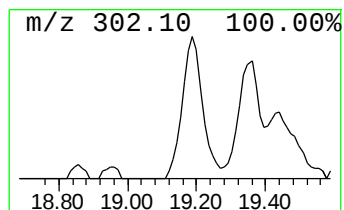
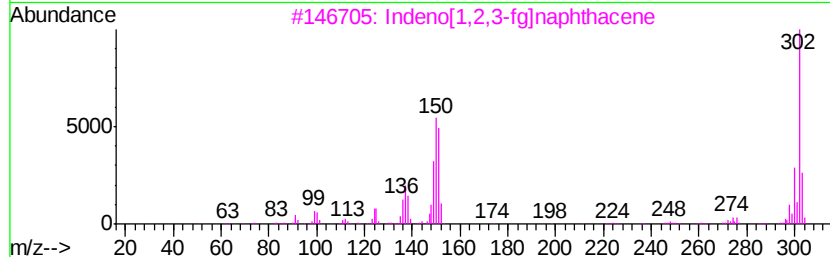
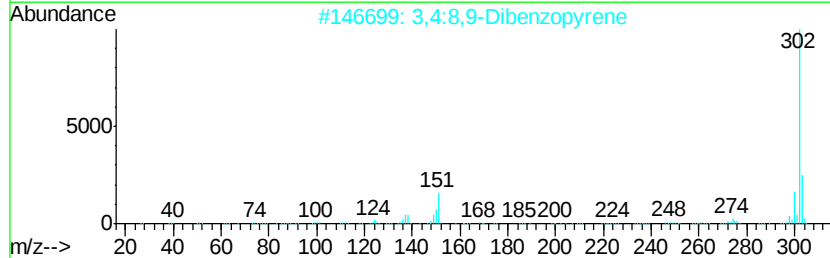
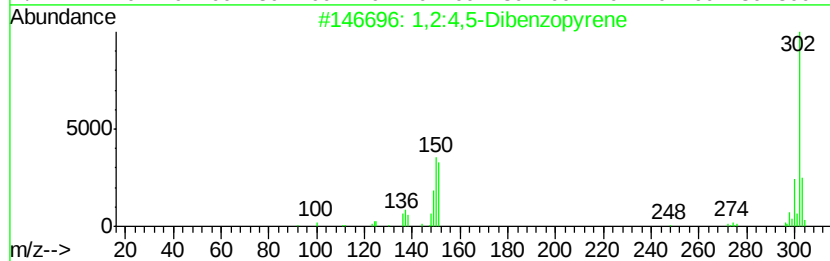
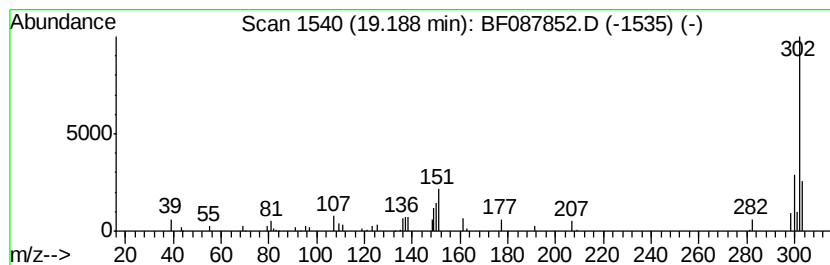
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,2:4,5-Dibenzopyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	2.42 ng	95046	Perylene-d12	15.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	70
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	64
3		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	53
4		Benzo[alanthracene, 5,6-dihydro-...	302	C18H10F4	1000116-65-8	47
5		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060916\
 Data File : BF087852.D
 Acq On : 9 Jun 2016 15:04
 Operator : UM/SJ
 Sample : H3399-10 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-30

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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...	4.97	2.1 ng		69185	1	6.82	662302	20.0
unknown6.58	6.58	14.4 ng		477551	1	6.82	662302	20.0
Dibenzothiophene	11.22	2.7 ng		120668	4	11.32	898975	20.0
Anthracene, 2-met...	11.83	3.6 ng		162718	4	11.32	898975	20.0
Phenanthrene, 2-m...	11.85	4.6 ng		206789	4	11.32	898975	20.0
4H-Cyclopenta[def...	11.94	8.4 ng		376092	4	11.32	898975	20.0
Naphthalene, 2-ph...	12.12	3.5 ng		157097	4	11.32	898975	20.0
Phenanthrene, 2,5...	12.38	2.1 ng		96190	4	11.32	898975	20.0
11H-Benzo[b]fluorene	13.09	4.0 ng		234575	5	13.95	1177110	20.0
Fluoranthene, 2-m...	13.15	2.3 ng		133023	5	13.95	1177110	20.0
Benzo[e]pyrene	15.30	7.4 ng		292009	6	15.36	785637	20.0
1,2:4,5-Dibenzopy...	19.19	2.4 ng		95046	6	15.36	785637	20.0