

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079636.D
 Acq On : 31 May 2015 16:43
 Operator : TP/IZ
 Sample : G2408-14 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20S

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-BF052615.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	1.541	29	31	38	rVV	190292	443069	4.79%	1.652%
2	1.633	38	39	76	rVB	3940291	9242816	100.00%	34.453%
3	5.165	346	348	359	rBV	381065	578640	6.26%	2.157%
4	6.502	463	465	473	rBV	517715	623862	6.75%	2.325%
5	6.616	473	475	478	rBV	601037	657342	7.11%	2.450%
6	6.902	498	500	503	rBV	351001	345332	3.74%	1.287%
7	7.085	514	516	519	rBV	468669	506750	5.48%	1.889%
8	7.610	560	562	564	rBV	290979	365268	3.95%	1.362%
9	8.479	636	638	640	rBV	472937	493709	5.34%	1.840%
10	9.828	754	756	759	rVB	953728	854883	9.25%	3.187%
11	10.228	789	791	793	rVB2	158458	153574	1.66%	0.572%
12	10.342	800	801	808	rVB	86053	126453	1.37%	0.471%
13	10.468	810	812	815	rBV	228647	270798	2.93%	1.009%
14	10.651	825	828	830	rVV	426179	592246	6.41%	2.208%
15	11.622	911	913	917	rVB	510633	566461	6.13%	2.112%
16	12.480	985	988	989	rBV	618151	604069	6.54%	2.252%
17	12.502	989	990	993	rVV	396109	455207	4.92%	1.697%
18	12.571	993	996	999	rVB	230115	240183	2.60%	0.895%
19	13.142	1044	1046	1048	rVV	92627	101481	1.10%	0.378%
20	13.234	1052	1054	1061	rVB2	140780	284801	3.08%	1.062%
21	13.794	1100	1103	1104	rBV	68749	97084	1.05%	0.362%
22	13.977	1117	1119	1121	rVV	652789	635644	6.88%	2.369%
23	14.091	1128	1129	1133	rVB	94940	110838	1.20%	0.413%
24	14.251	1141	1143	1145	rVV	734330	794958	8.60%	2.963%
25	14.468	1159	1162	1165	rVV	948054	1032363	11.17%	3.848%
26	14.674	1174	1180	1182	rVB	107741	236101	2.55%	0.880%
27	14.800	1189	1191	1196	rVB	98096	149240	1.61%	0.556%
28	14.914	1196	1201	1202	rBV	70829	163416	1.77%	0.609%
29	15.451	1243	1248	1253	rBV4	139741	345501	3.74%	1.288%
30	15.646	1263	1265	1270	rVV2	89103	145703	1.58%	0.543%
31	15.748	1270	1274	1276	rVV2	733929	1284533	13.90%	4.788%
32	15.783	1276	1277	1279	rVV	294369	256966	2.78%	0.958%
33	15.874	1282	1285	1287	rBV2	61417	93571	1.01%	0.349%
34	16.240	1315	1317	1319	rVB	73506	108299	1.17%	0.404%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.017	1382	1385	1391	rBV	388943	773345	8.37%	2.883%
36	17.131	1393	1395	1398	rVB	92529	122881	1.33%	0.458%
37	17.326	1410	1412	1416	rBV	261870	300734	3.25%	1.121%
38	17.394	1416	1418	1421	rVB	353540	464575	5.03%	1.732%
39	17.451	1421	1423	1428	rBV2	600270	827802	8.96%	3.086%
40	18.720	1531	1534	1539	rVB2	194025	373204	4.04%	1.391%
41	18.880	1545	1548	1550	rBV	52193	111969	1.21%	0.417%
42	19.086	1563	1566	1574	rVB	209249	417655	4.52%	1.557%
43	19.223	1575	1578	1582	rVV5	44510	131430	1.42%	0.490%
44	19.303	1582	1585	1592	rVB2	55343	161521	1.75%	0.602%
45	20.972	1727	1731	1737	rVB2	54634	181043	1.96%	0.675%

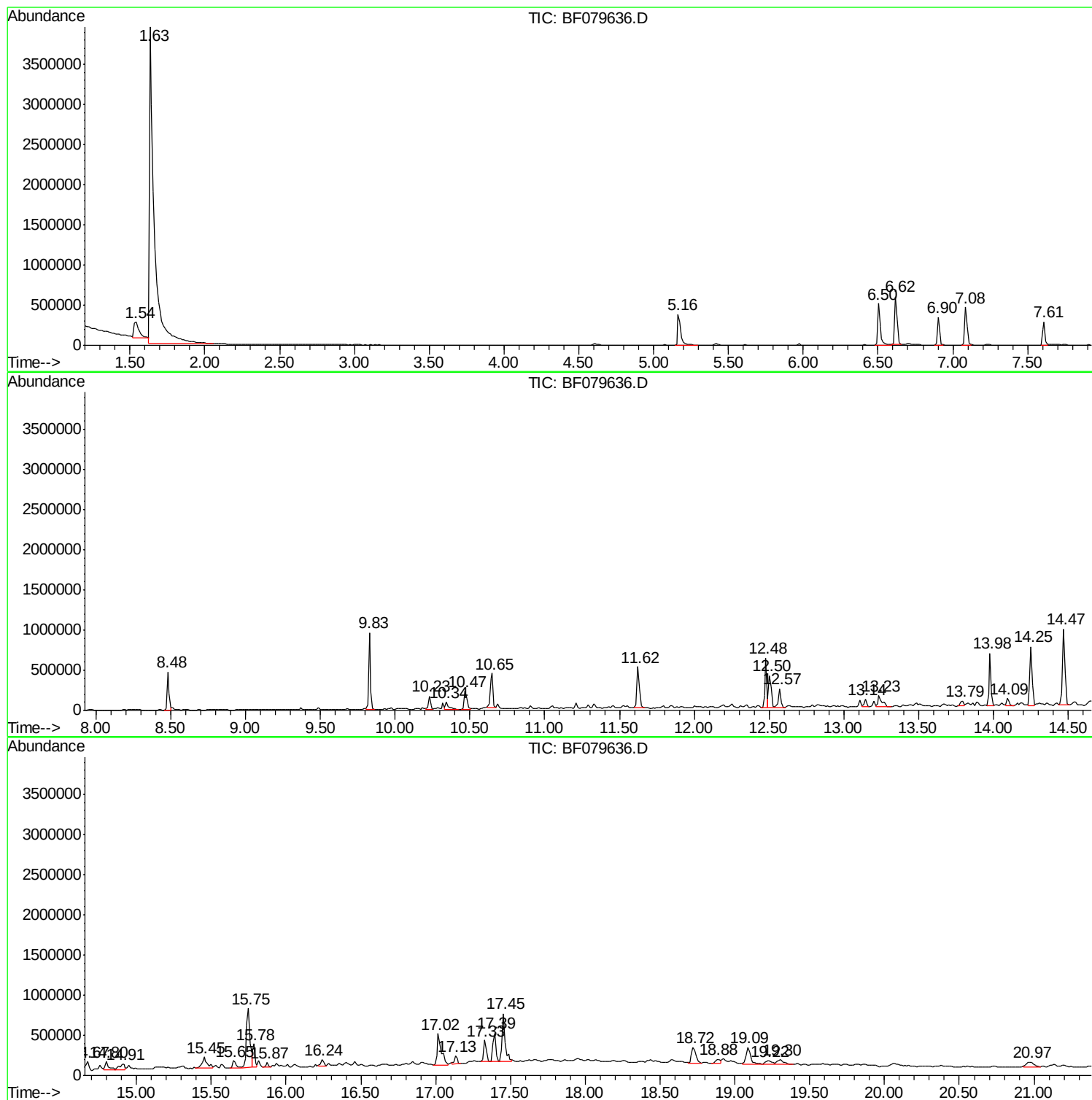
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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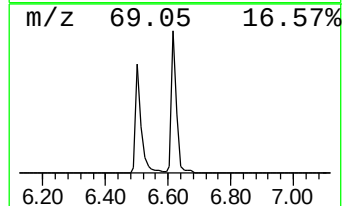
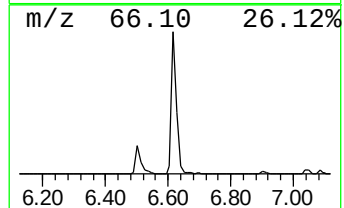
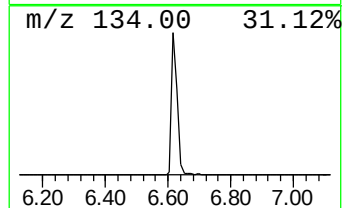
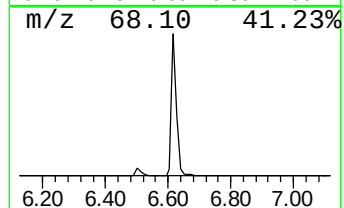
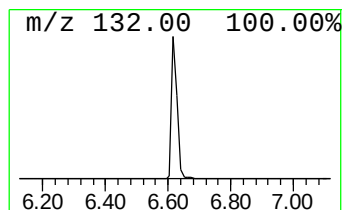
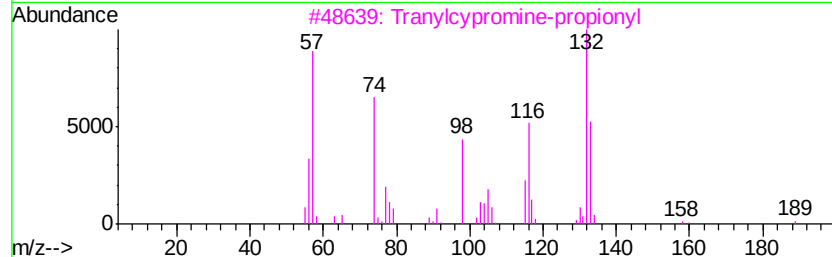
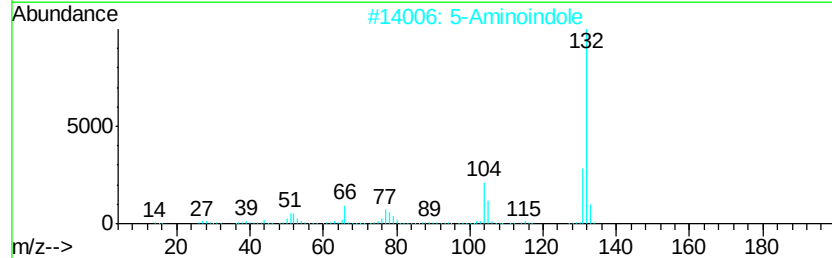
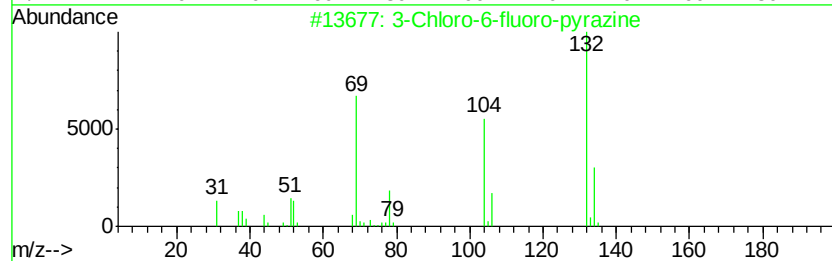
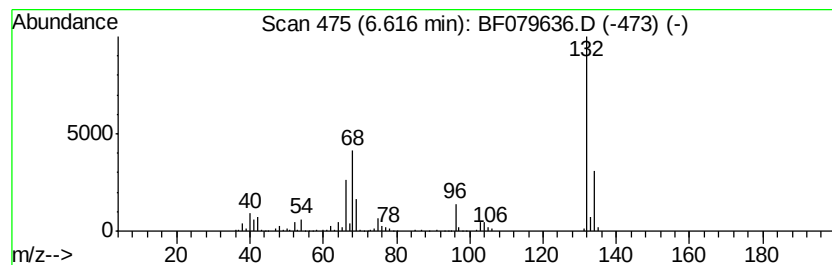
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	38.07 ng	657342	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3	Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5	Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9



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Instrument :
BNA_F
ClientSampled :
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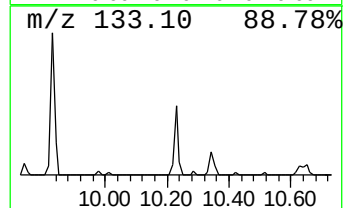
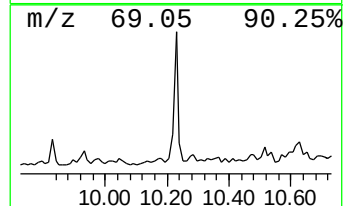
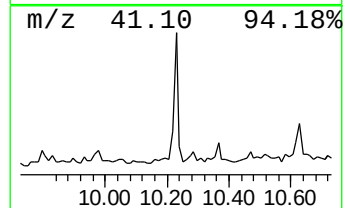
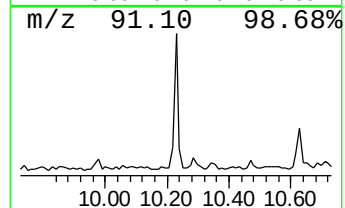
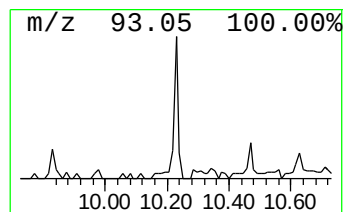
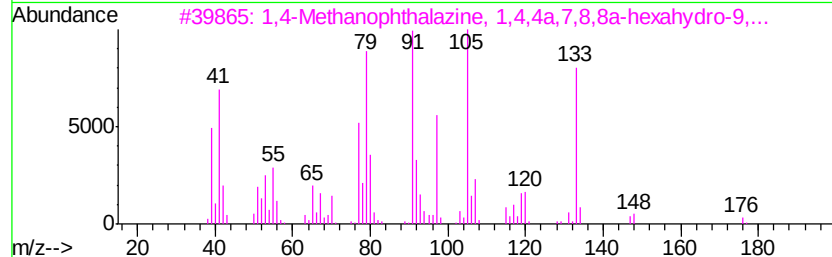
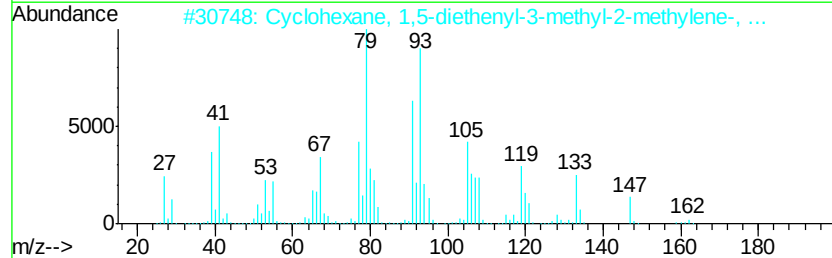
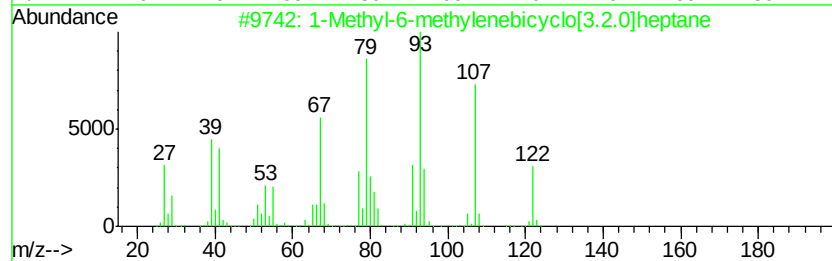
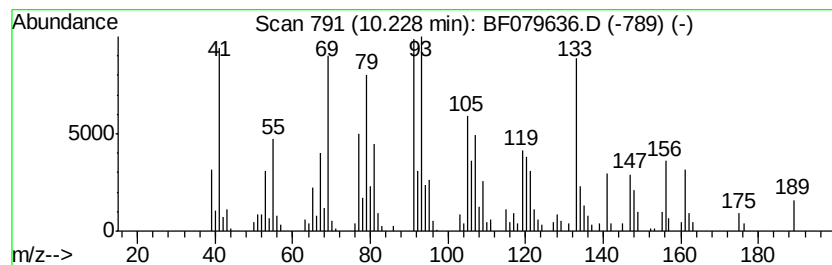
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 5 unknown10.23 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	5.19 ng	153574	Acenaphthene-d10	10.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyl-6-methylenebicyclo[3.2....	122	C9H14	1000210-90-0	42
2		Cyclohexane, 1,5-diethenyl-3-met...	162	C12H18	074742-35-1	41
3		1,4-Methanophthalazine, 1,4,4a,7...	176	C11H16N2	1000221-84-9	30
4		1,3,7-Cyclodecatriene, 1,7-dimet...	162	C12H18	020082-17-1	30
5		Santolina triene	136	C10H16	002153-66-4	25



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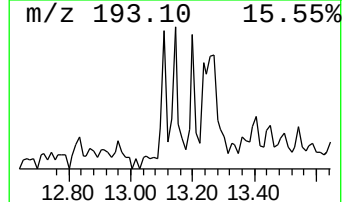
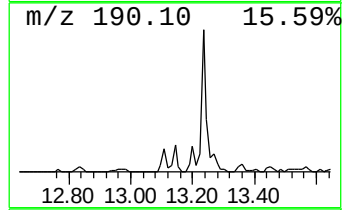
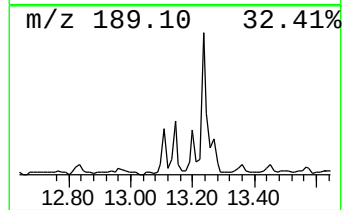
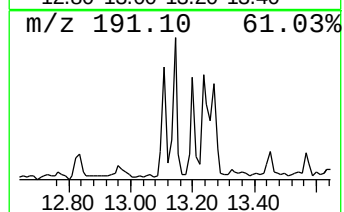
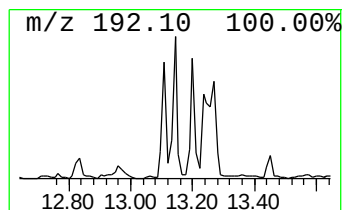
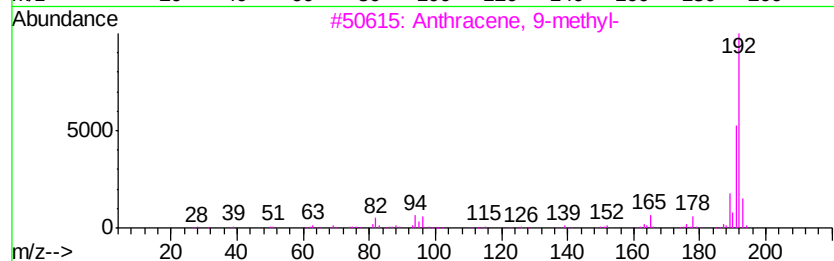
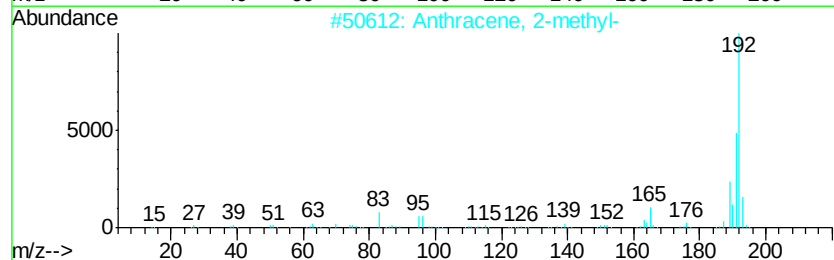
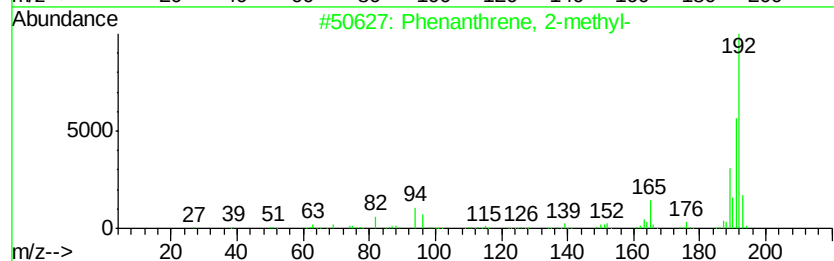
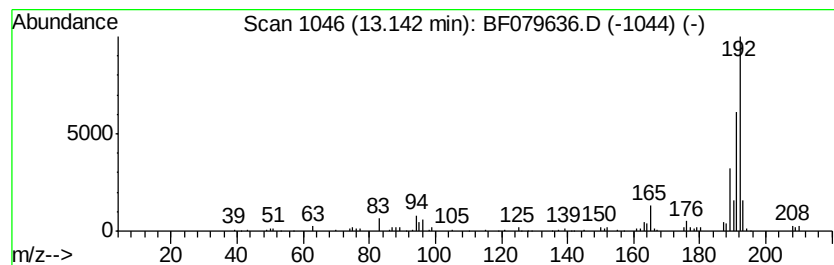
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	3.36 ng	101481	Phenanthrene-d10	12.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



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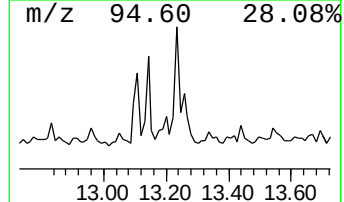
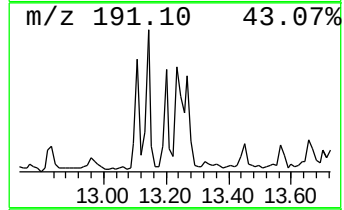
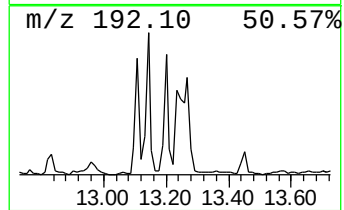
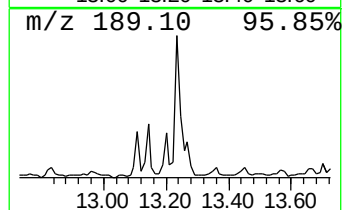
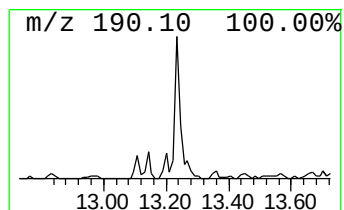
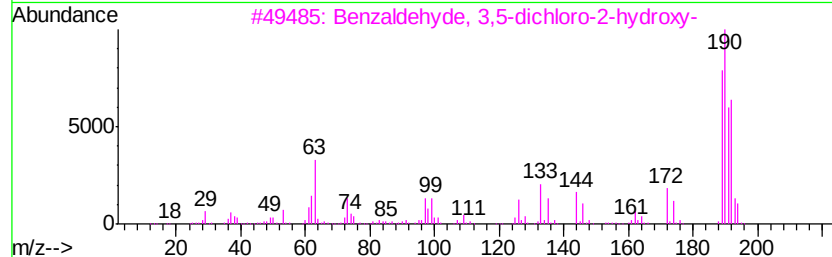
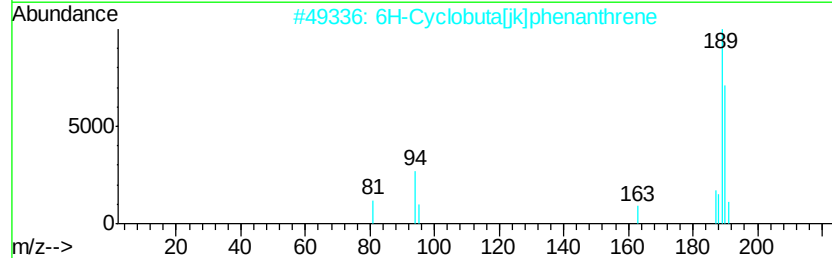
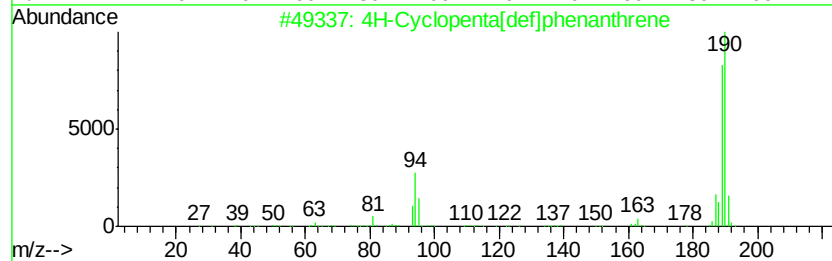
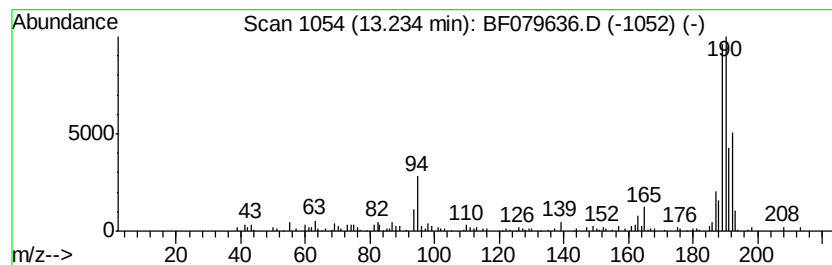
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	9.43 ng	284801	Phenanthrene-d10	12.48

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
3		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	38
4		3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	22
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18



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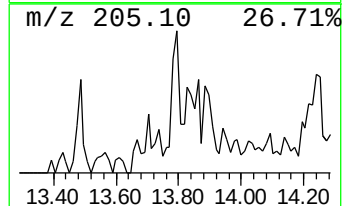
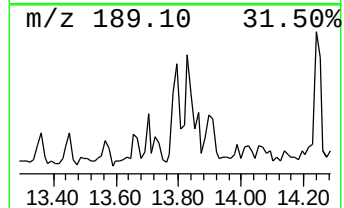
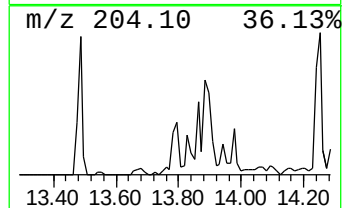
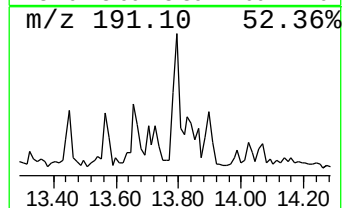
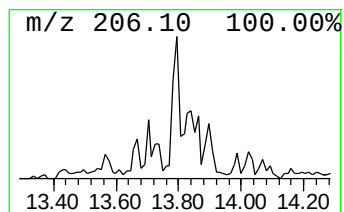
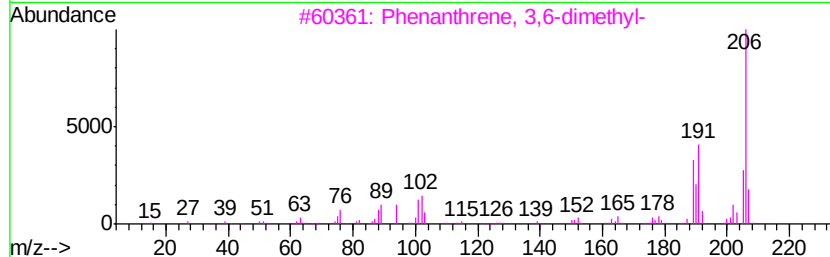
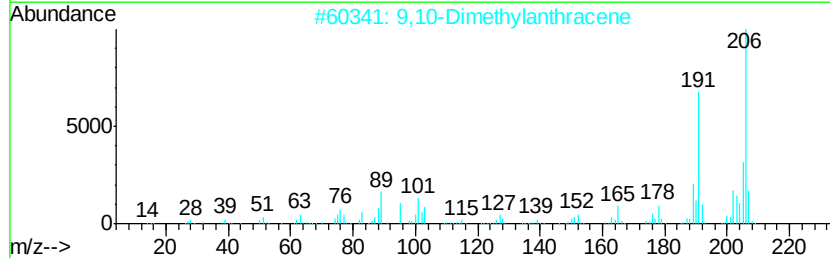
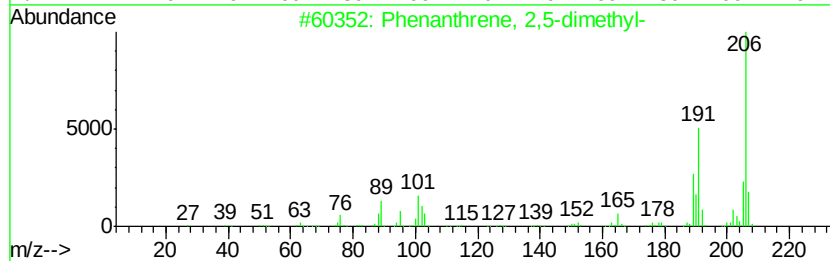
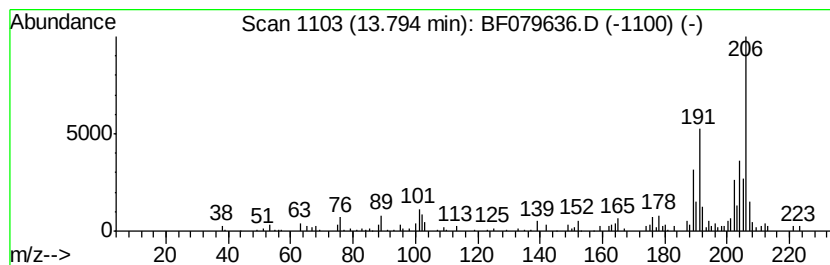
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	3.21 ng	97084	Phenanthrene-d10	12.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	89
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
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Operator : TP/IZ
Sample : G2408-14 2X
Misc :
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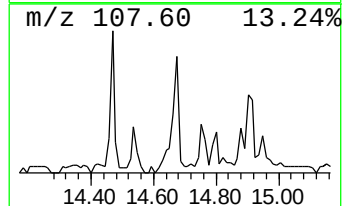
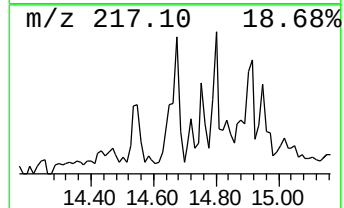
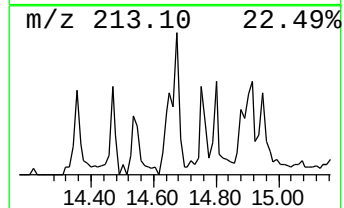
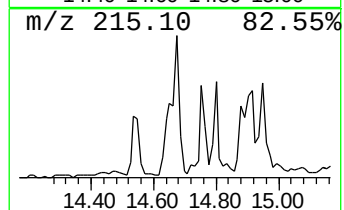
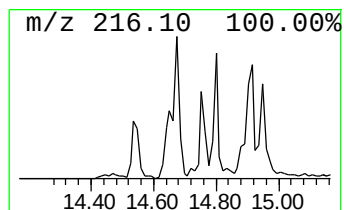
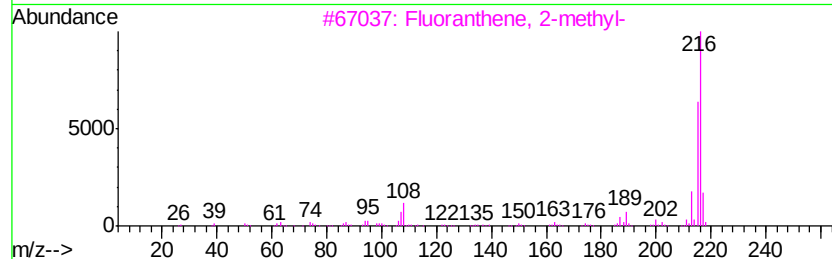
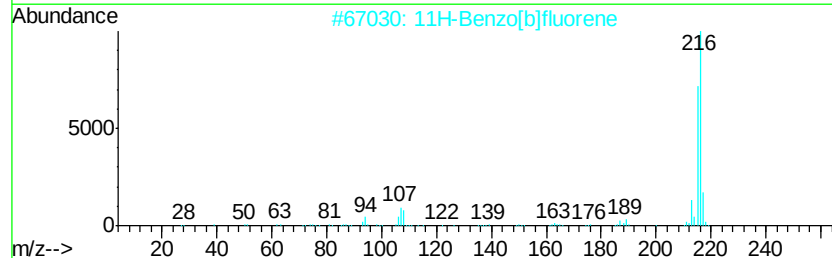
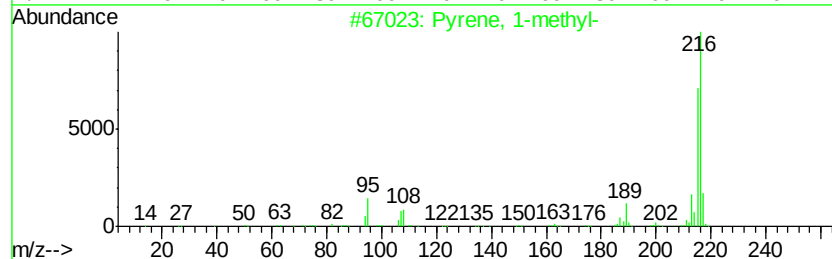
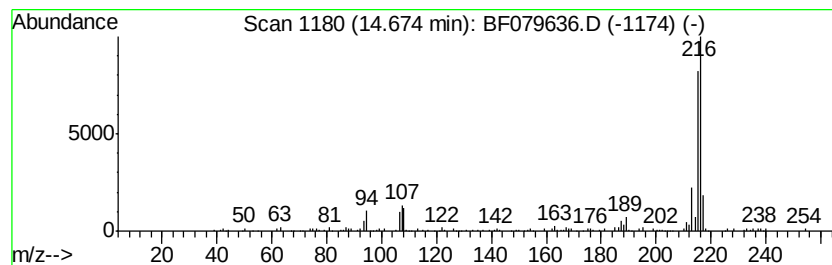
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.67	3.68 ng	236101	Chrysene-d12	15.75	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
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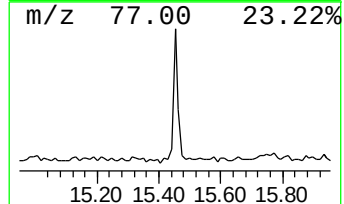
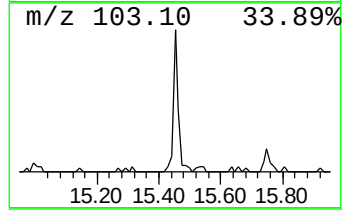
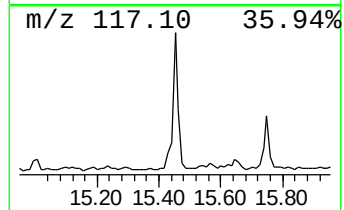
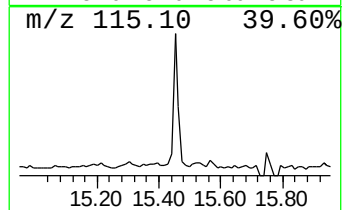
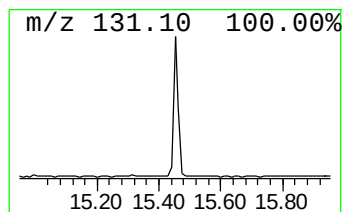
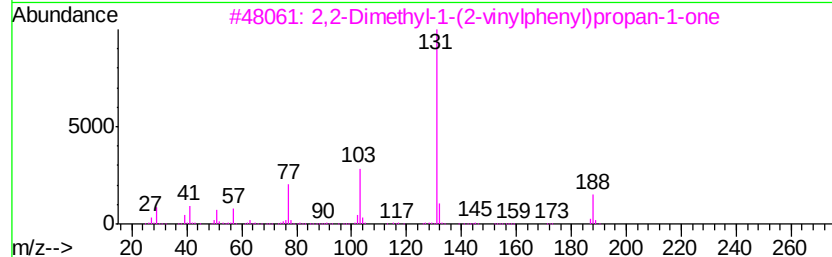
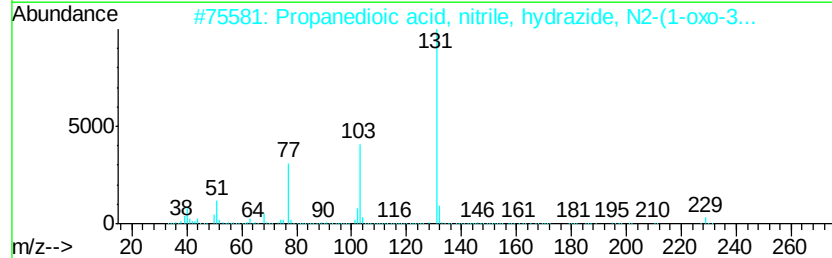
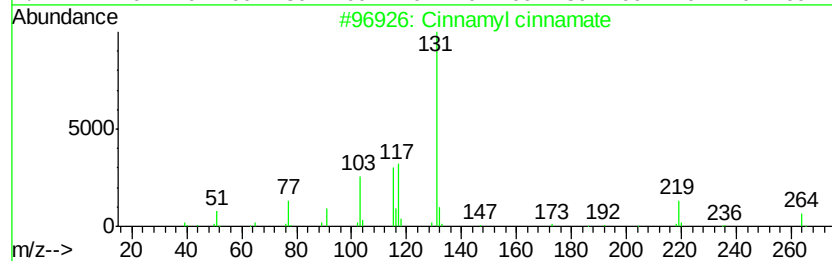
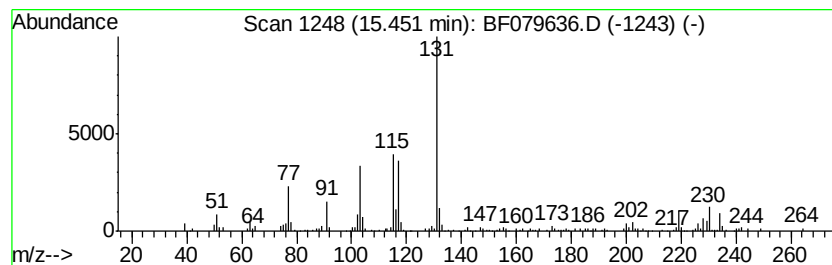
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cinnamyl cinnamate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	5.38 ng	345501	Chrysene-d12	15.75
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Cinnamyl cinnamate	264 C18H16O2	000122-69-0 64	
2	Propanedioic acid, nitrile, hydr...	229 C12H11N3O2	294878-35-6 55	
3	2,2-Dimethyl-1-(2-vinylphenyl)pr...	188 C13H16O	1000210-99-9 49	
4	1-Phenyl-1-hexyn-3-ol	174 C12H14O	001817-51-2 47	
5	3-Hydroxy-2-p-tolyl-2-butenenitrile	173 C11H11NO	1000243-87-8 46	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
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Operator : TP/IZ
Sample : G2408-14 2X
Misc :
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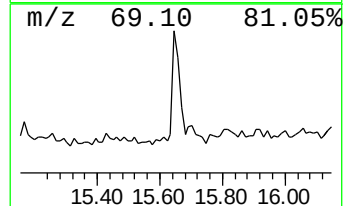
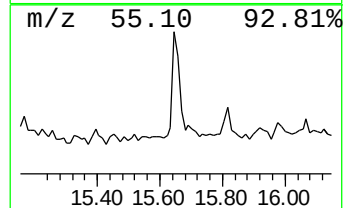
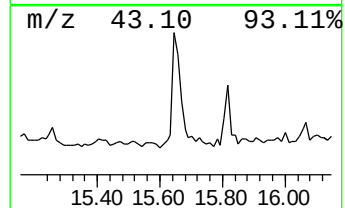
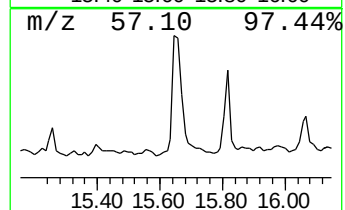
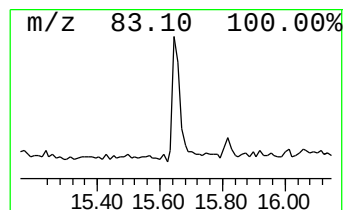
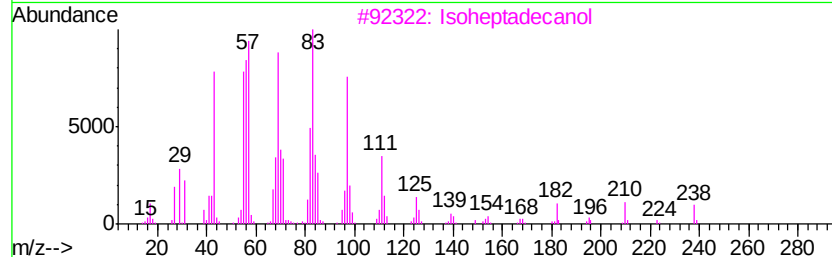
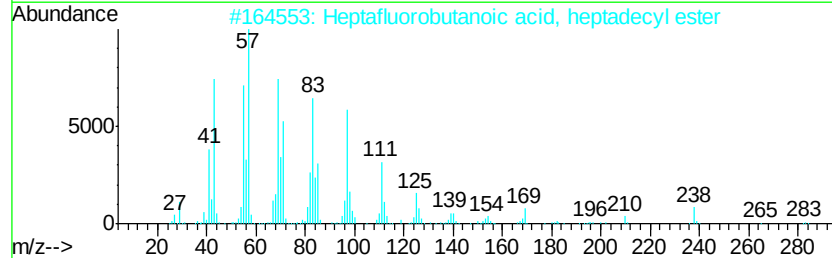
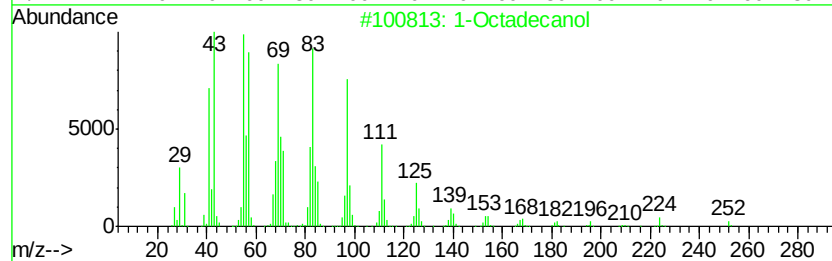
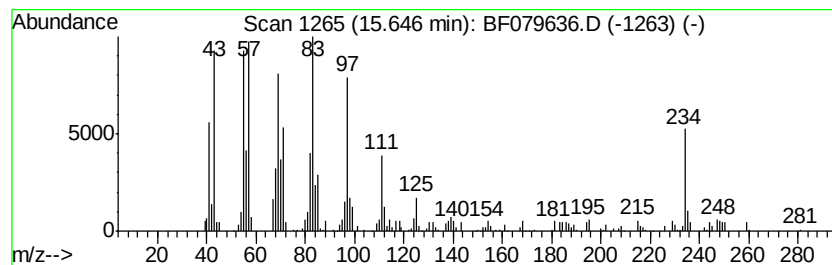
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1-Octadecanol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	2.27 ng	145703	Chrysene-d12	15.75
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Octadecanol	270 C18H38O	000112-92-5	81
2	Heptafluorobutanoic acid, heptad...	452 C21H35F7O2	1000282-97-3	76
3	Isoheptadecanol	256 C17H36O	057289-07-3	74
4	Trichloroacetic acid, hexadecyl ...	386 C18H33Cl3O2	074339-54-1	74
5	Trifluoroacetic acid, n-octadecy...	366 C20H37F3O2	079392-43-1	64



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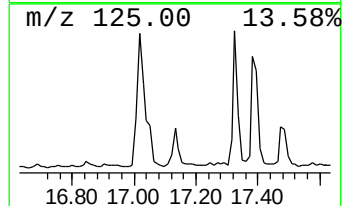
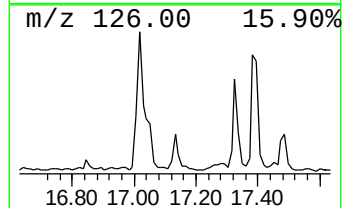
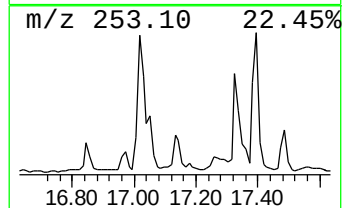
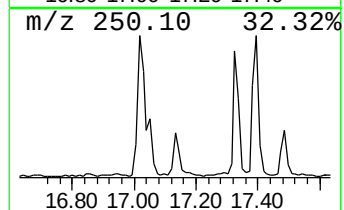
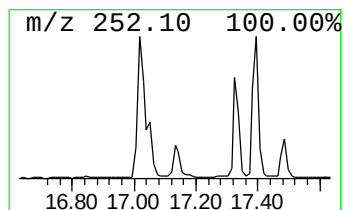
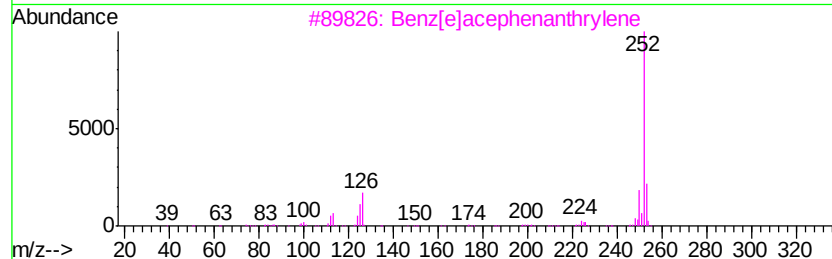
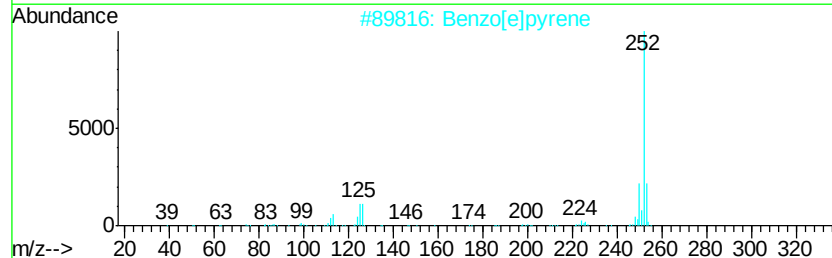
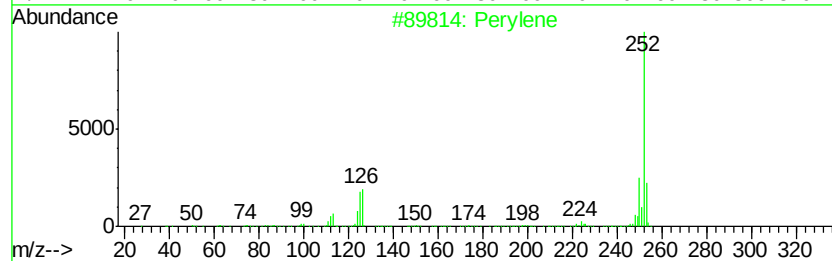
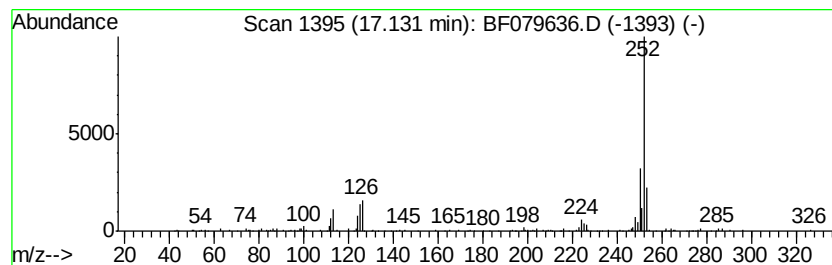
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Perylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	2.97 ng	122881	Perylene-d12	17.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	94
2		Benzo[e]pyrene	252	C20H12	000192-97-2	93
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
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Acq On : 31 May 2015 16:43
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Sample : G2408-14 2X
Misc :
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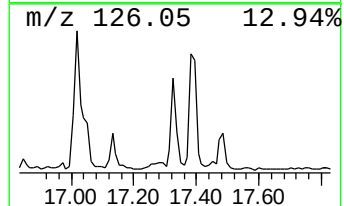
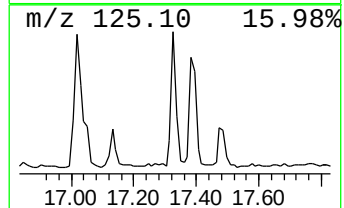
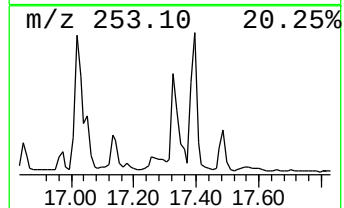
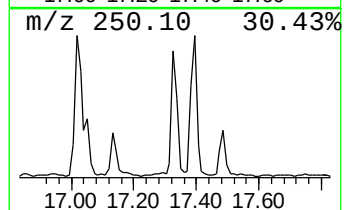
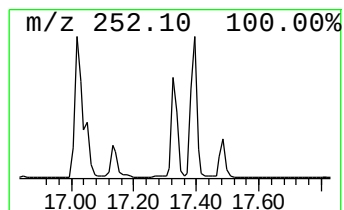
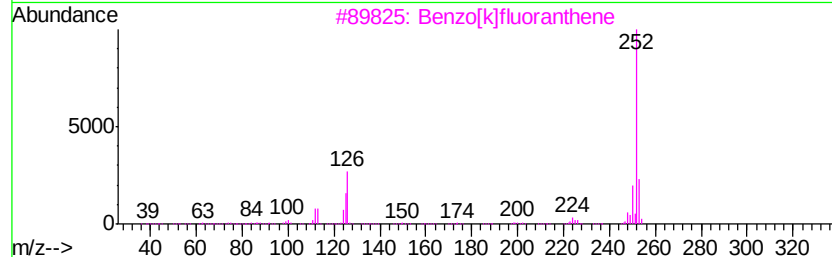
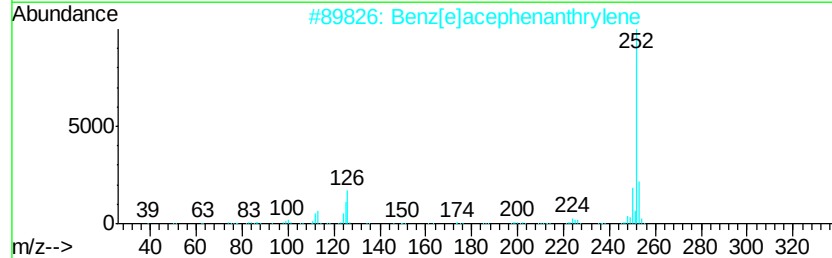
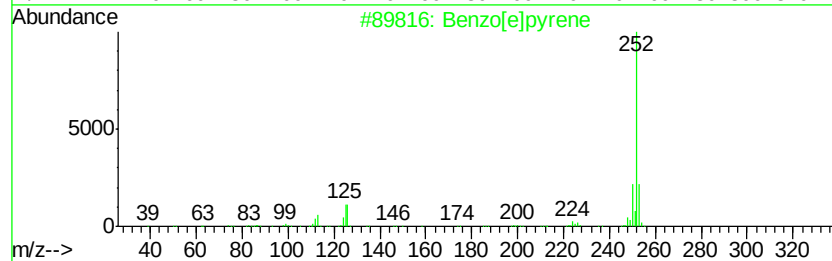
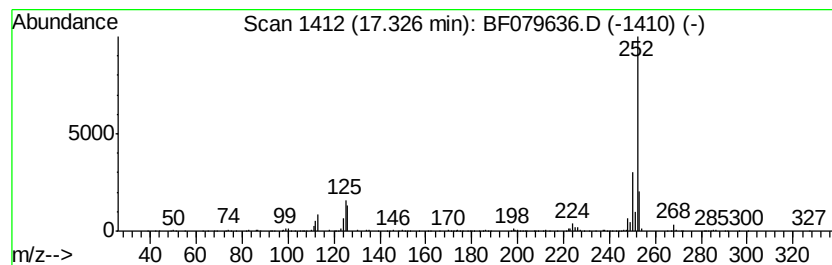
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.33	7.27 ng	300734	Perylene-d12	17.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Perylene	252	C20H12	000198-55-0	90
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
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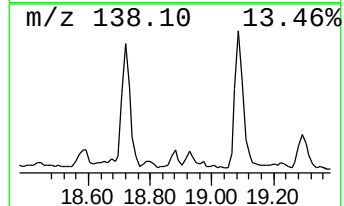
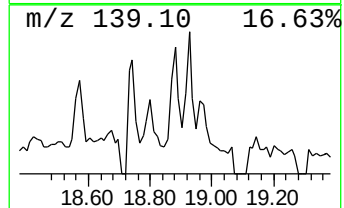
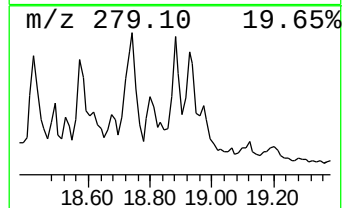
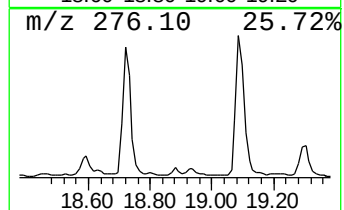
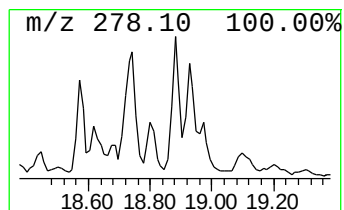
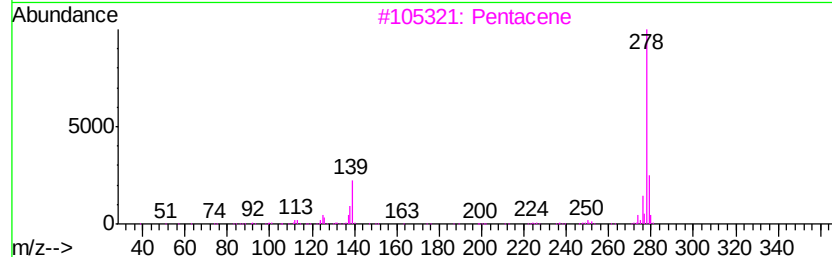
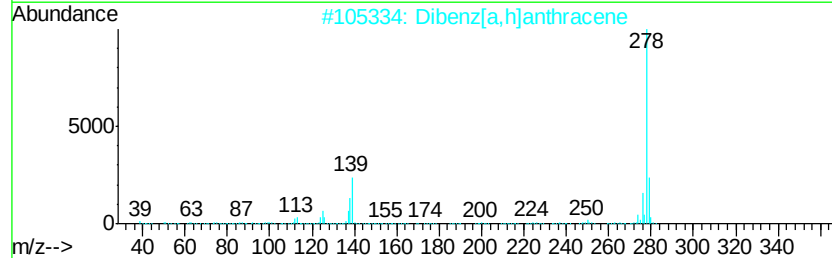
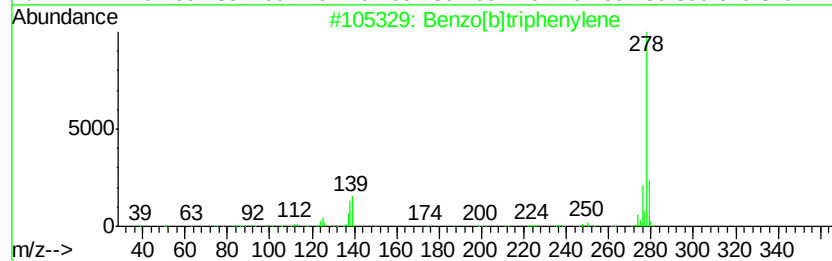
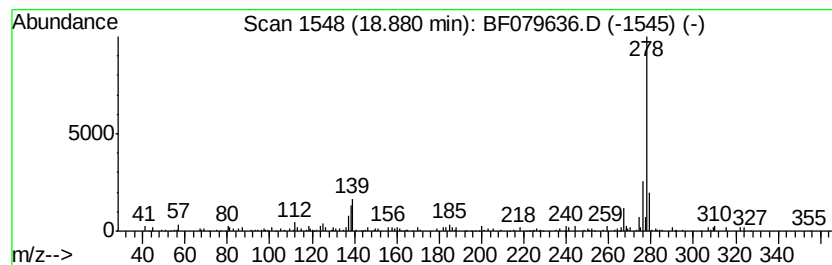
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	2.71 ng	111969	Perylene-d12	17.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
3		Pentacene	278	C22H14	000135-48-8	89
4		Pentaphene	278	C22H14	000222-93-5	68
5		Dibenzo-1,2,7,8-anthracene	278	C22H14	000224-41-9	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
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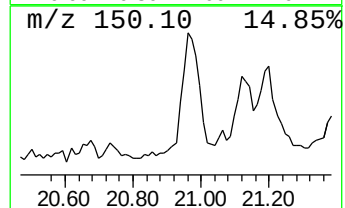
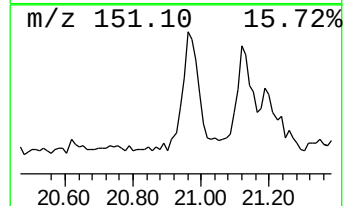
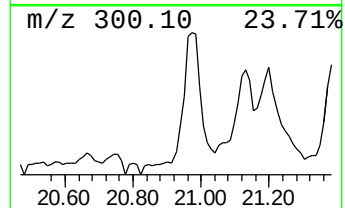
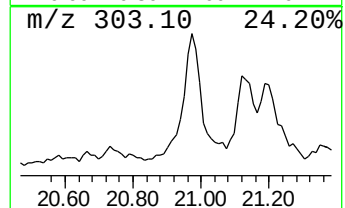
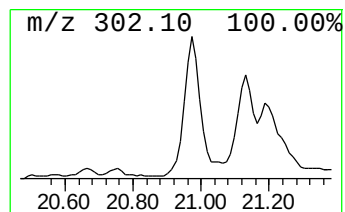
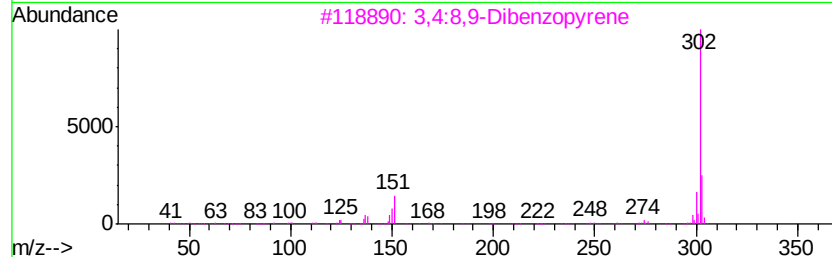
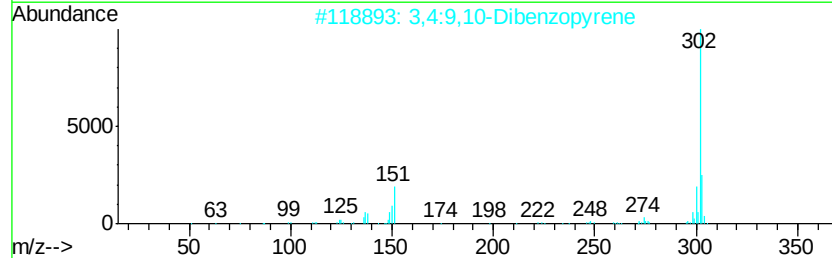
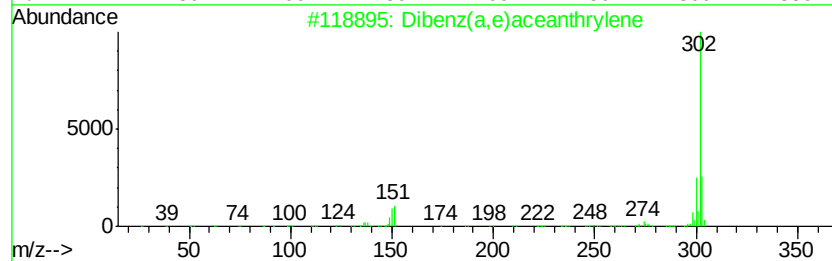
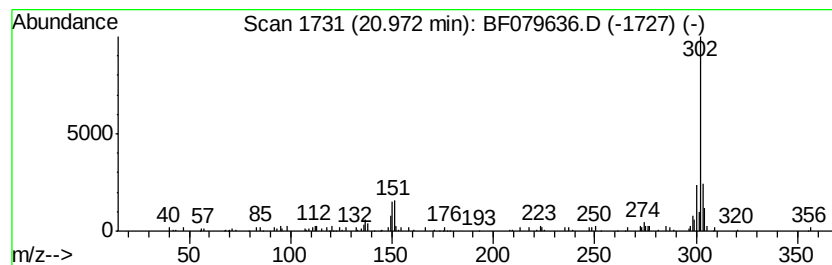
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	4.37 ng	181043	Perylene-d12	17.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	96
2		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	95
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	94
4		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	93
5		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079636.D
Acq On : 31 May 2015 16:43
Operator : TP/IZ
Sample : G2408-14 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-20S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.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
unknown6.62	6.62	38.1	ng	657342	1	6.90	345332	20.0
unknown10.23	10.23	5.2	ng	153574	3	10.65	592246	20.0
Phenanthrene, 2-m...	13.14	3.4	ng	101481	4	12.48	604069	20.0
4H-Cyclopenta[def...	13.23	9.4	ng	284801	4	12.48	604069	20.0
Phenanthrene, 2,5...	13.79	3.2	ng	97084	4	12.48	604069	20.0
Pyrene, 1-methyl-	14.67	3.7	ng	236101	5	15.75	1284530	20.0
Cinnamyl cinnamate	15.45	5.4	ng	345501	5	15.75	1284530	20.0
1-Octadecanol	15.65	2.3	ng	145703	5	15.75	1284530	20.0
Perylene	17.13	3.0	ng	122881	6	17.45	827802	20.0
Benzo[e]pyrene	17.33	7.3	ng	300734	6	17.45	827802	20.0
Benzo[b]triphenylene	18.88	2.7	ng	111969	6	17.45	827802	20.0
Dibenz(a,e)aceant...	20.97	4.4	ng	181043	6	17.45	827802	20.0