

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084033.D
 Acq On : 23 Dec 2015 12:11
 Operator : UM/SJ
 Sample : G4913-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4

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-BF122215.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	5.013	253	256	263	rVB	162498	222616	15.79%	1.571%
2	5.447	292	294	306	rBB	1038445	1001840	71.04%	7.070%
3	6.476	382	384	387	rBV	983642	952263	67.53%	6.720%
4	6.602	393	395	397	rBV	1345964	1144764	81.18%	8.078%
5	6.830	413	415	417	rBV	263667	246352	17.47%	1.738%
6	6.979	426	428	431	rBV	691646	941295	66.75%	6.642%
7	7.390	462	464	467	rBV	724107	677824	48.07%	4.783%
8	8.110	525	527	530	rBV	417449	352306	24.98%	2.486%
9	9.196	619	622	624	rBV	1084016	1410163	100.00%	9.951%
10	9.585	654	656	658	rBV	203718	164935	11.70%	1.164%
11	9.733	667	669	671	rBB	24763	26675	1.89%	0.188%
12	9.870	678	681	683	rBV	370862	383985	27.23%	2.710%
13	10.305	718	719	721	rVB	27757	19423	1.38%	0.137%
14	10.522	735	738	741	rBV	11024	18204	1.29%	0.128%
15	10.659	747	750	752	rBV	877863	915865	64.95%	6.463%
16	10.773	759	760	764	rBV	34542	51454	3.65%	0.363%
17	11.231	796	800	805	rVB2	14411	37433	2.65%	0.264%
18	11.356	809	811	815	rBV2	300967	528542	37.48%	3.730%
19	11.425	815	817	819	rVB	18134	22964	1.63%	0.162%
20	11.539	822	827	829	rBV3	5277	17302	1.23%	0.122%
21	11.585	829	831	834	rBV2	10381	15836	1.12%	0.112%
22	11.768	842	847	849	rVB2	7426	14200	1.01%	0.100%
23	11.859	852	855	856	rBV	32700	46826	3.32%	0.330%
24	11.882	856	857	859	rVV	67163	56939	4.04%	0.402%
25	11.962	862	864	869	rVB	63308	95453	6.77%	0.674%
26	12.054	869	872	874	rBV3	8320	18023	1.28%	0.127%
27	12.145	879	880	881	rBV	27888	23773	1.69%	0.168%
28	12.179	881	883	886	rVB	39829	39288	2.79%	0.277%
29	12.225	886	887	891	rBV3	7408	16664	1.18%	0.118%
30	12.294	891	893	895	rBV3	10616	21950	1.56%	0.155%
31	12.408	900	903	904	rBV2	44102	58078	4.12%	0.410%
32	12.442	904	906	909	rVB2	32250	52569	3.73%	0.371%
33	12.488	909	910	914	rVB	28356	46684	3.31%	0.329%
34	12.568	914	917	919	rBV	262127	302244	21.43%	2.133%

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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

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Peak separation: 5

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35	12.625	919	922	924	rVB3	9392	22093	1.57%	0.156%
36	12.659	924	925	927	rBV	19971	19917	1.41%	0.141%
37	12.705	927	929	932	rBV3	19019	37654	2.67%	0.266%
38	12.797	932	937	938	rBV	203207	329817	23.39%	2.327%
39	12.842	938	941	944	rVB4	22655	50267	3.56%	0.355%
40	12.934	946	949	952	rBV	1207194	1153170	81.78%	8.137%
41	13.014	954	956	960	rBV3	24966	53483	3.79%	0.377%
42	13.117	961	965	967	rVB3	33280	82908	5.88%	0.585%
43	13.185	967	971	973	rBV2	29621	69511	4.93%	0.491%
44	13.231	973	975	977	rBV2	41221	48307	3.43%	0.341%
45	13.322	978	983	984	rBV2	26160	50845	3.61%	0.359%
46	13.345	984	985	987	rBV	24839	29872	2.12%	0.211%
47	13.414	989	991	994	rBV2	11092	14452	1.02%	0.102%
48	13.459	994	995	997	rVB2	51432	66443	4.71%	0.469%
49	13.551	997	1003	1004	rBV5	32551	99478	7.05%	0.702%
50	13.585	1004	1006	1007	rVV	28456	35768	2.54%	0.252%
51	13.631	1008	1010	1012	rVB	48490	57503	4.08%	0.406%
52	13.745	1017	1020	1023	rBV2	34399	86121	6.11%	0.608%
53	13.837	1025	1028	1031	rBV4	100393	148934	10.56%	1.051%
54	13.985	1038	1041	1046	rBV2	348621	594916	42.19%	4.198%
55	14.465	1080	1083	1085	rBV3	27540	59652	4.23%	0.421%
56	15.014	1129	1131	1135	rVB	127086	211089	14.97%	1.490%
57	15.300	1155	1156	1160	rVB	72615	92951	6.59%	0.656%
58	15.368	1160	1162	1165	rVV2	118862	191330	13.57%	1.350%
59	15.425	1165	1167	1173	rVB	195072	335614	23.80%	2.368%
60	16.694	1276	1278	1280	rBV	13642	24514	1.74%	0.173%
61	16.843	1288	1291	1296	rVB	53439	107659	7.63%	0.760%
62	17.266	1325	1328	1333	rVB	68009	152244	10.80%	1.074%

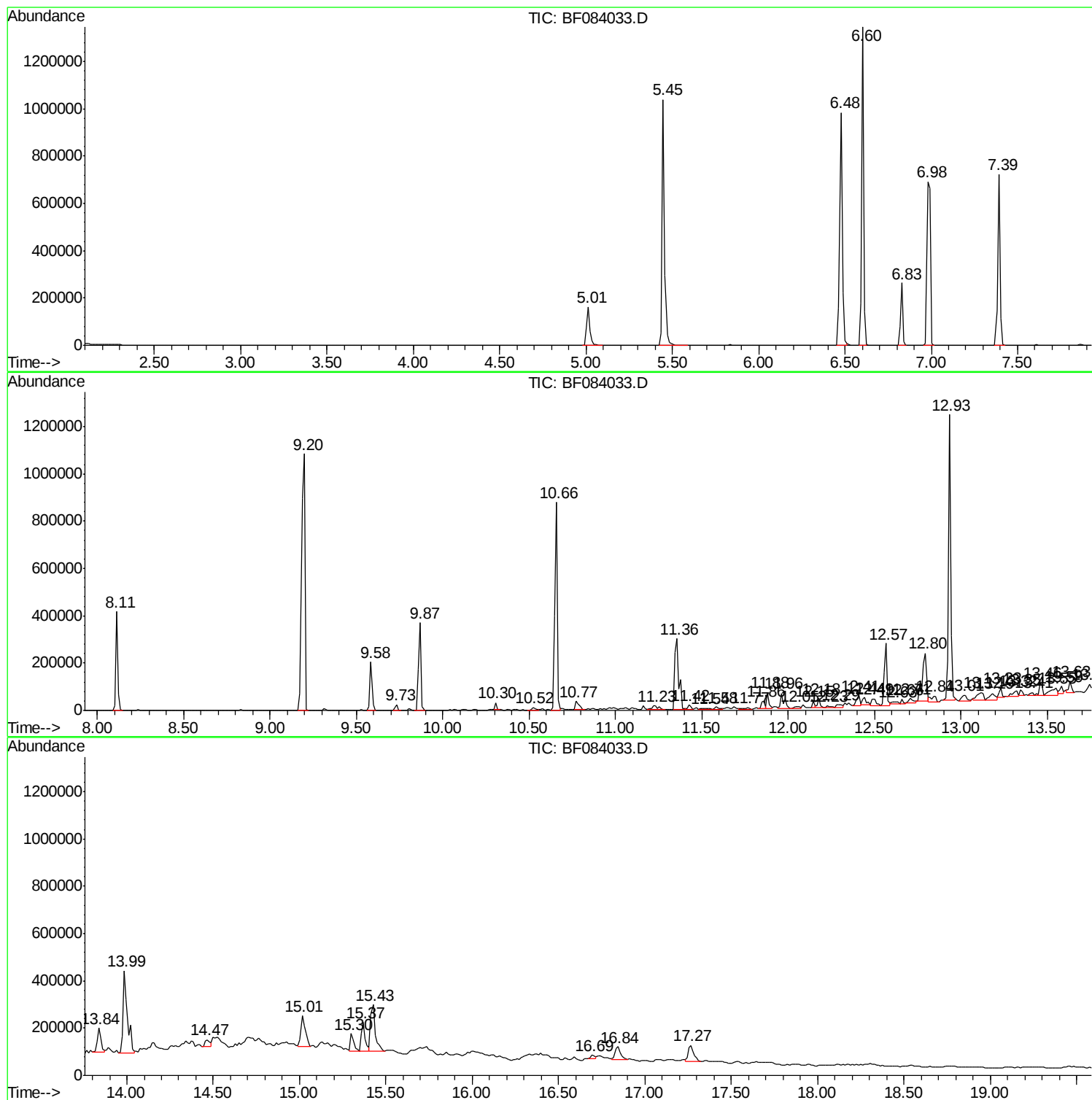
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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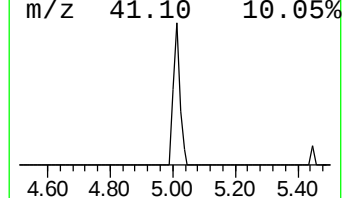
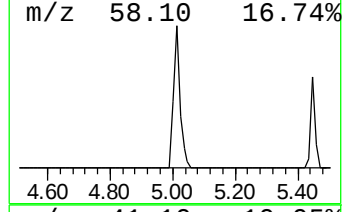
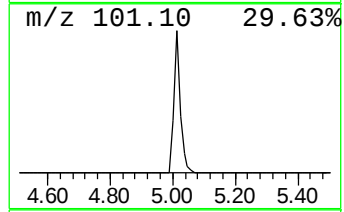
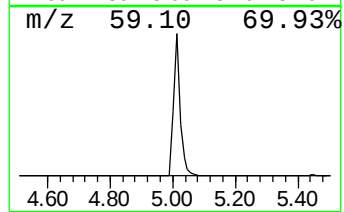
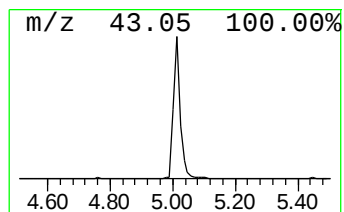
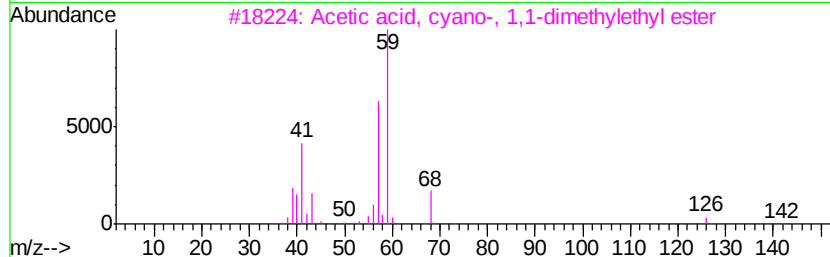
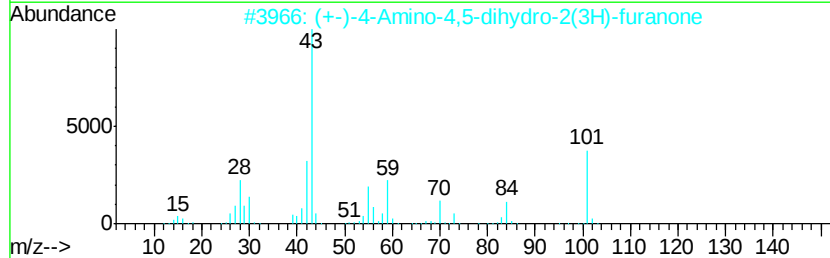
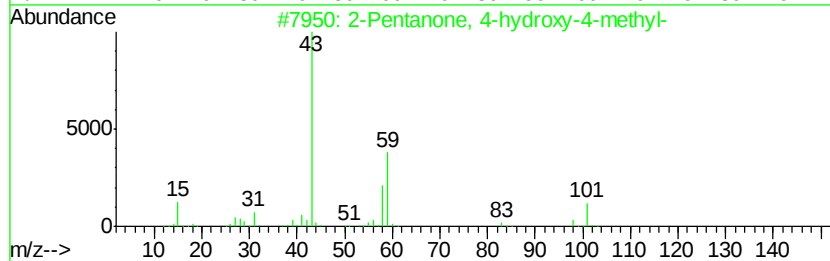
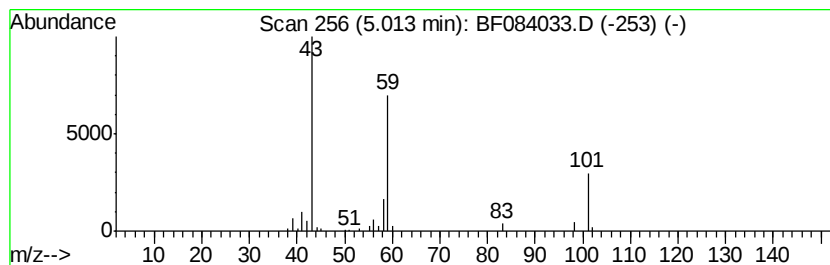
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	18.07 ng	222616	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		(+)-4-Amino-4,5-dihydro-2(3H)-furanone	101	C4H7NO2	016504-58-8	47
3		Acetic acid, cyano-, 1,1-dimethyl-	141	C7H11NO2	001116-98-9	17
4		Acetone	58	C3H6O	000067-64-1	10
5		Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9



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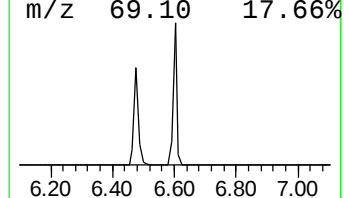
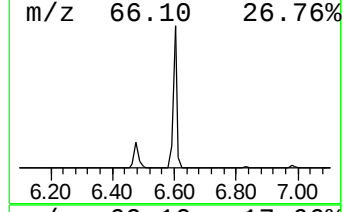
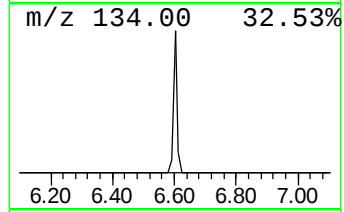
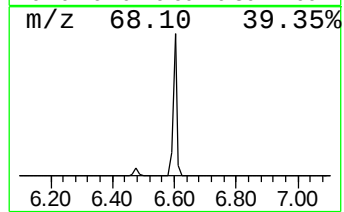
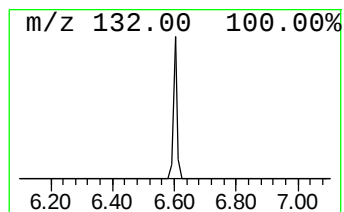
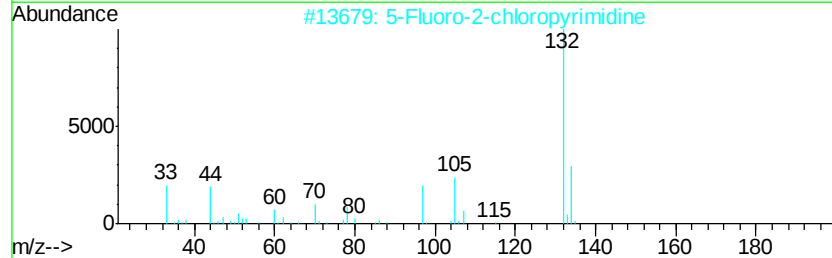
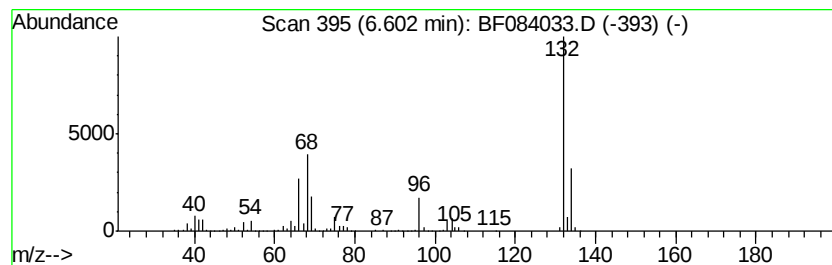
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	92.94 ng	1144760	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9



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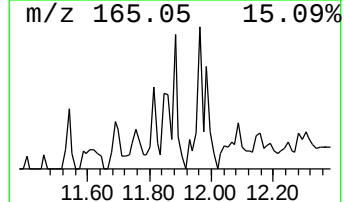
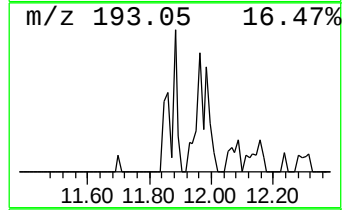
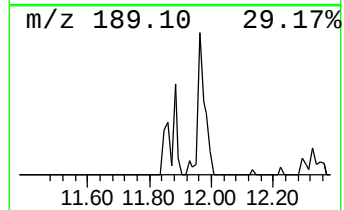
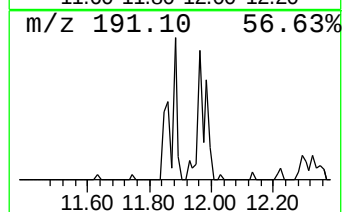
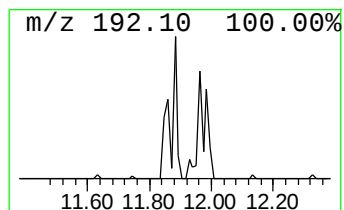
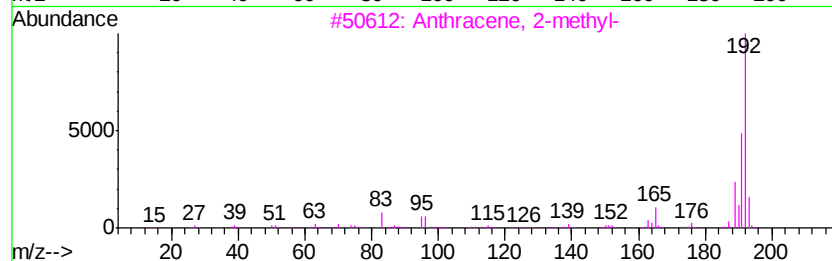
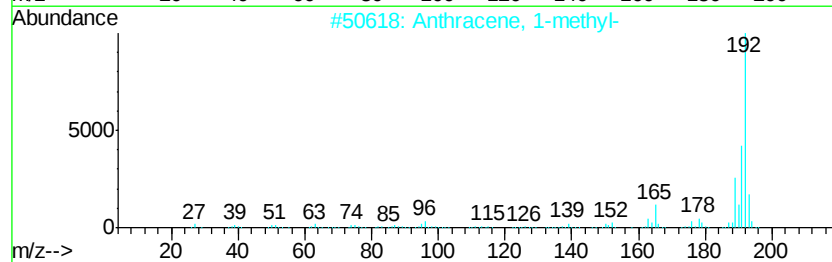
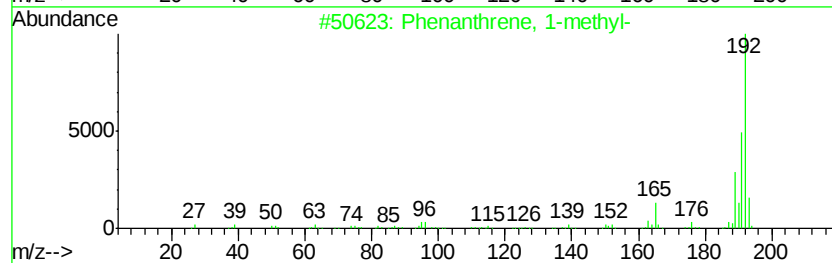
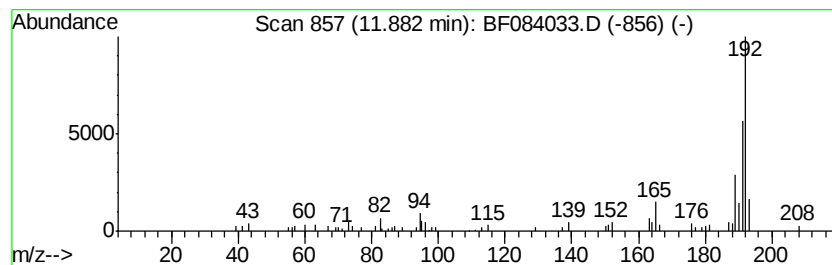
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.15 ng	56939	Phenanthrene-d10	11.36

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	95
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94



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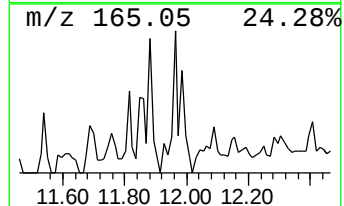
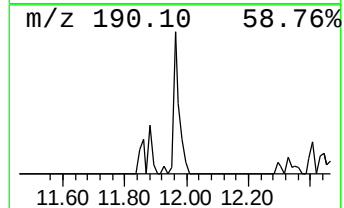
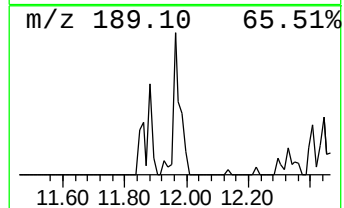
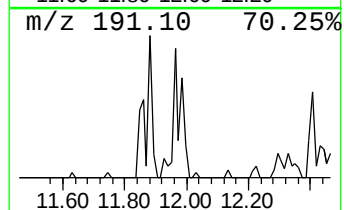
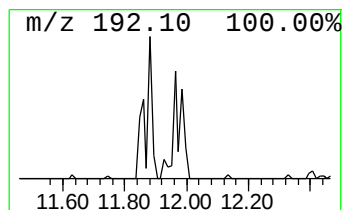
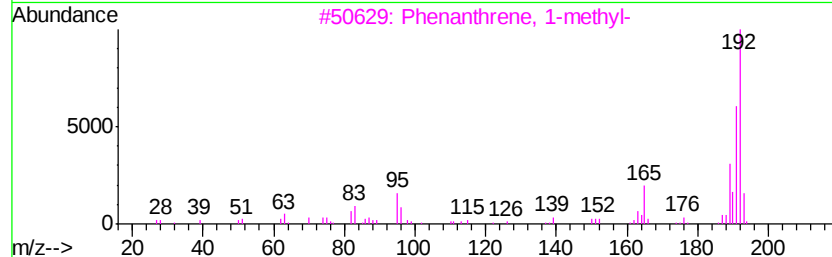
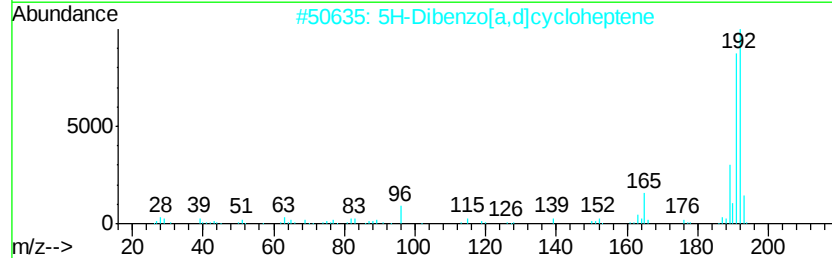
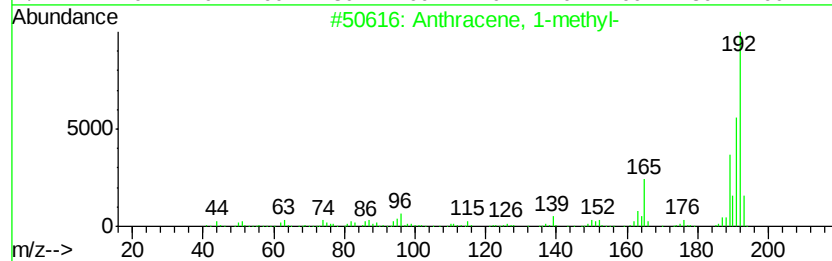
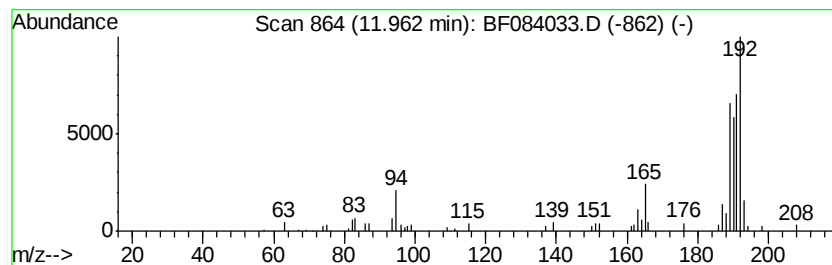
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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Peak Number 5 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.61 ng	95453	Phenanthrene-d10	11.36

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	78
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
4		1a,9b-Dihydro-1H-cyclopropa[alan...	192	C15H12	006109-24-6	60
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60



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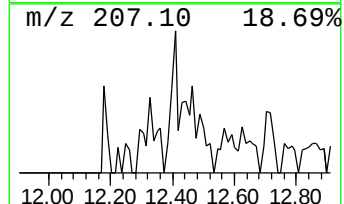
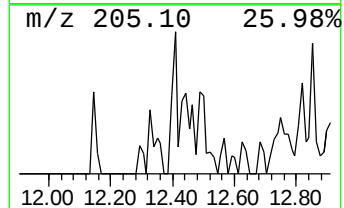
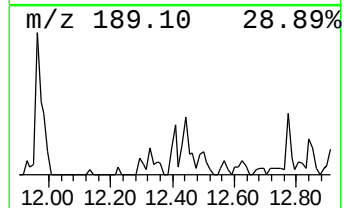
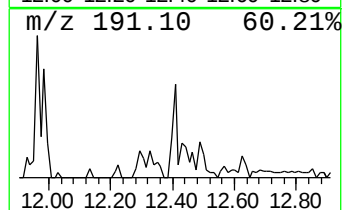
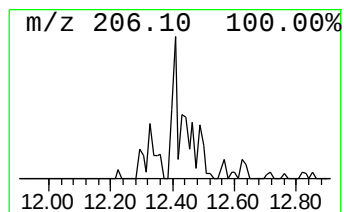
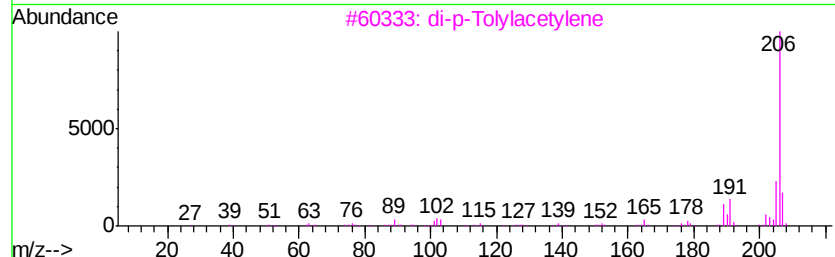
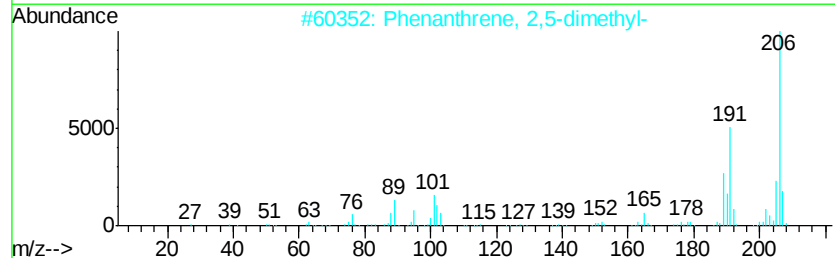
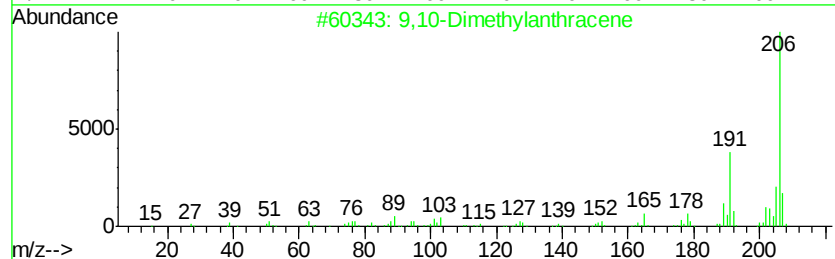
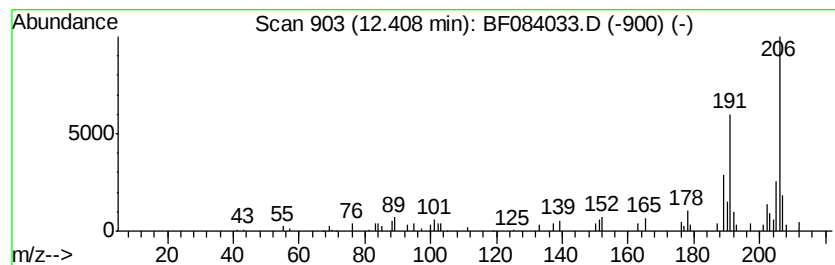
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9,10-Dimethylantracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	2.20 ng	58078	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		di-p-Tolylacetvlene	206	C16H14	002789-88-0	83
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084033.D
Acq On : 23 Dec 2015 12:11
Operator : UM/SJ
Sample : G4913-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

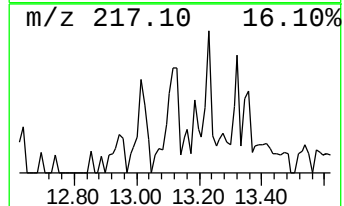
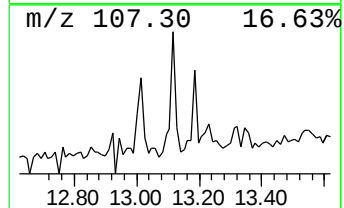
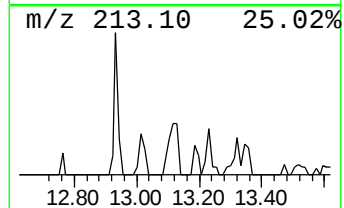
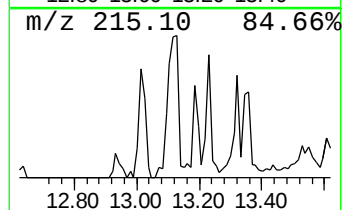
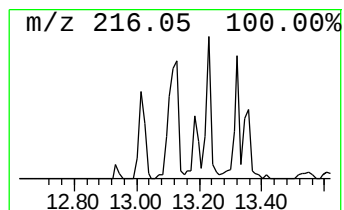
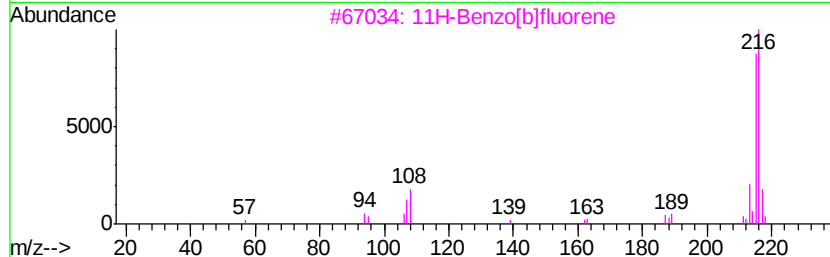
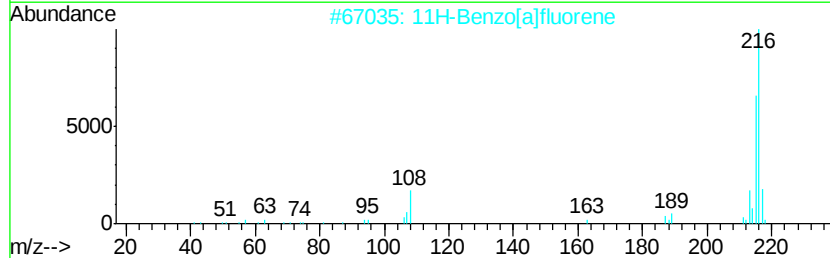
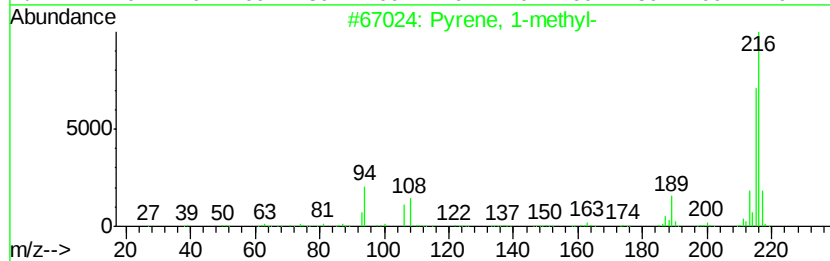
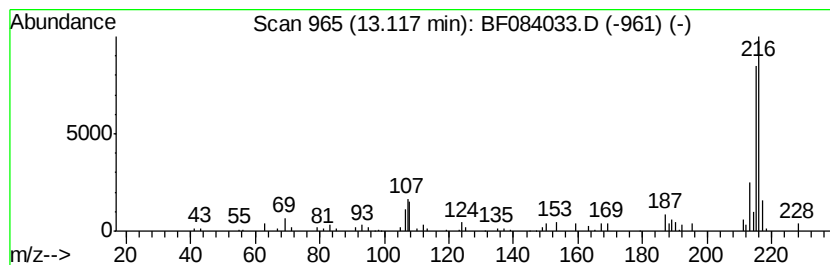
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.12	2.79 ng	82908	Chrysene-d12	13.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
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Acq On : 23 Dec 2015 12:11
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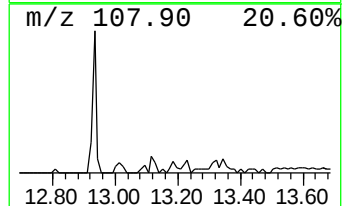
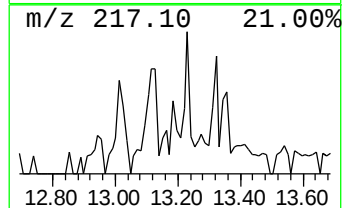
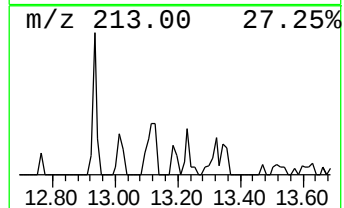
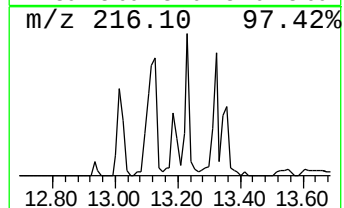
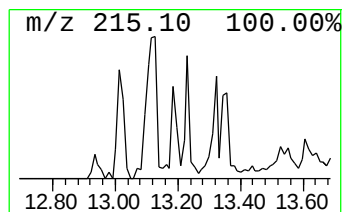
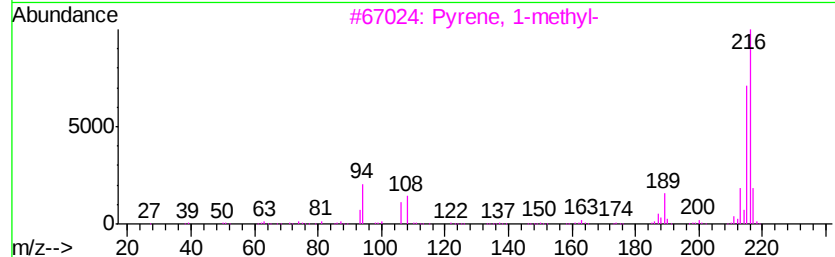
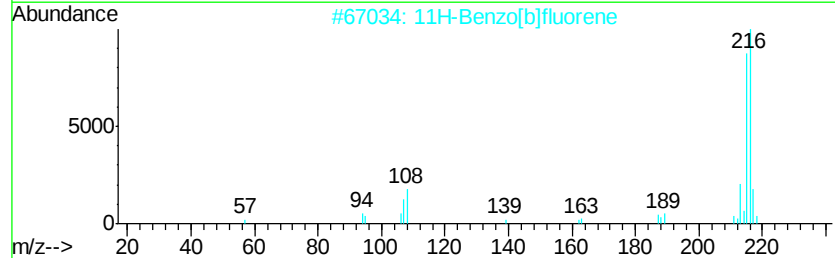
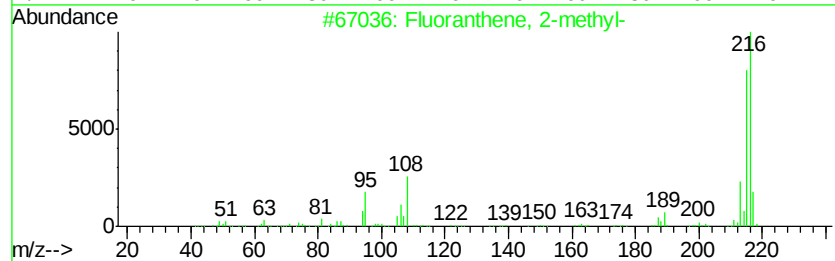
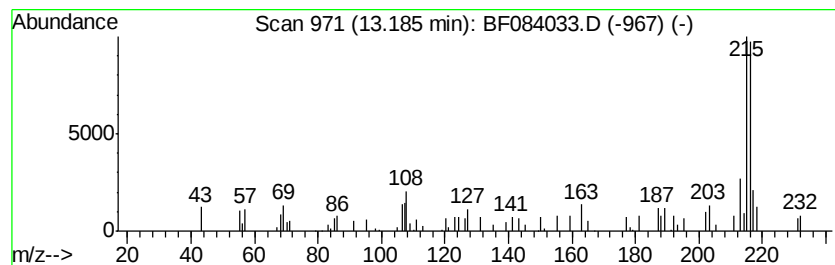
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.34 ng	69511	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	58



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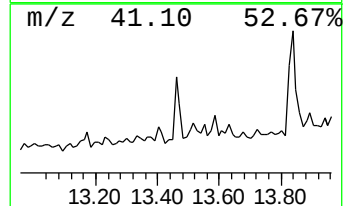
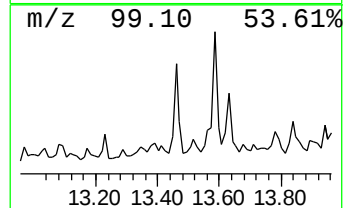
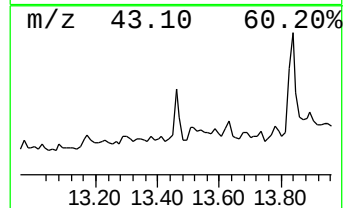
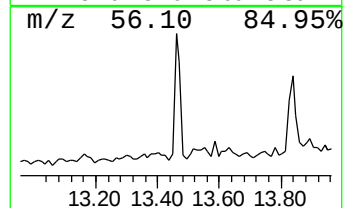
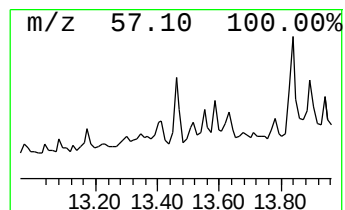
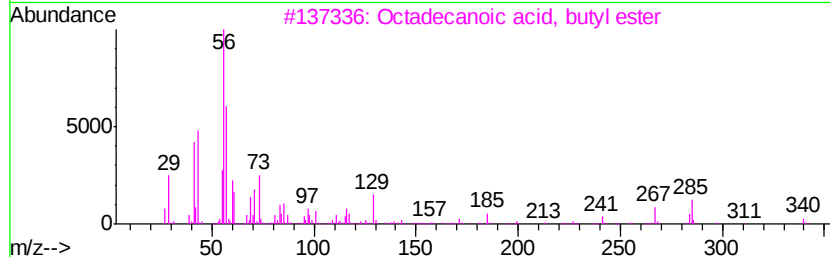
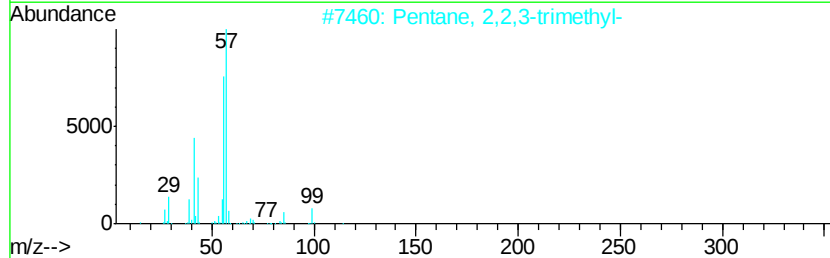
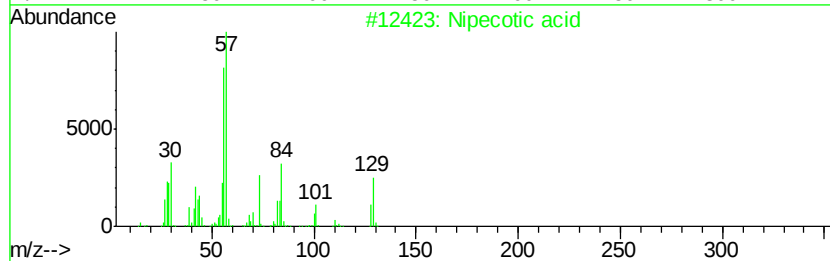
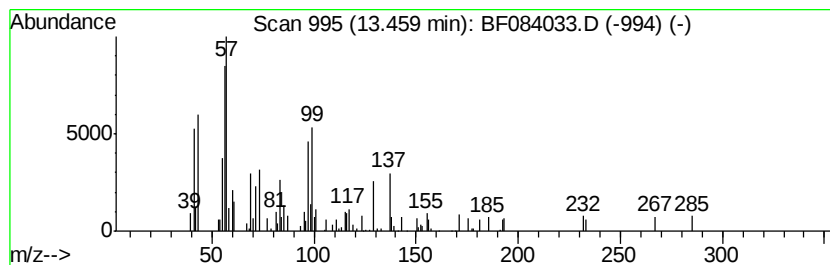
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown13.46 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	2.23 ng	66443	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nipecotic acid	129	C6H11NO2	000498-95-3	35
2		Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	35
3		Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	35
4		1-Piperazineethanamine	129	C6H15N3	000140-31-8	35
5		Piperidin-4-carboxylic acid	129	C6H11NO2	000498-94-2	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
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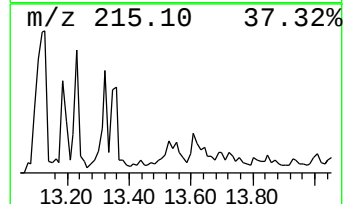
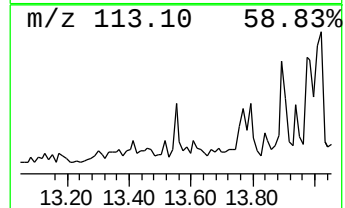
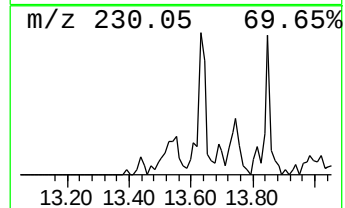
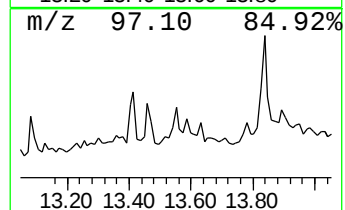
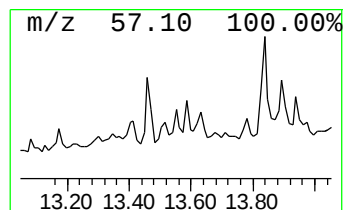
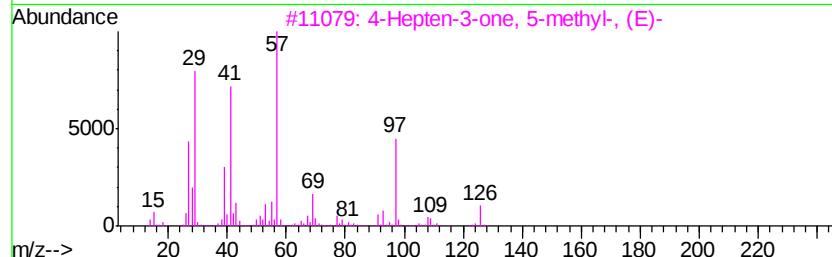
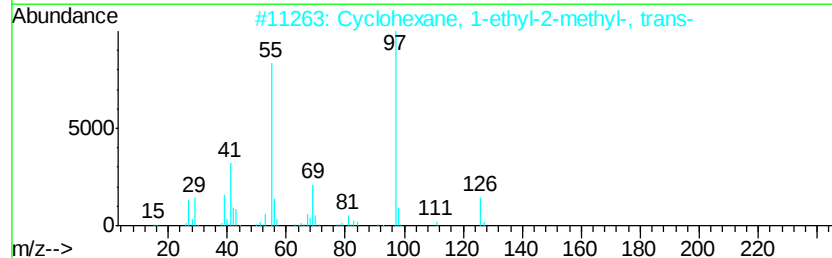
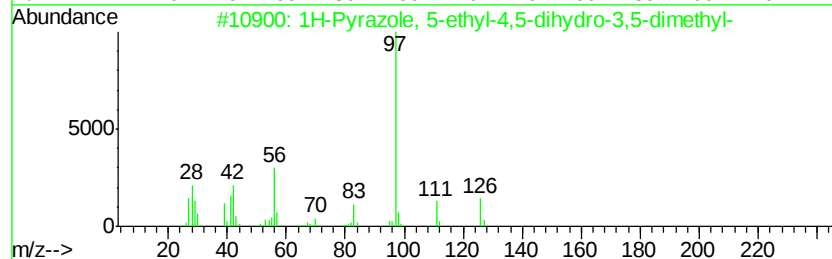
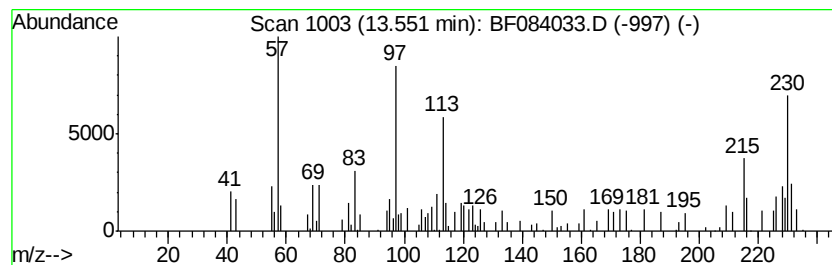
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown13.55 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	3.34 ng	99478	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Pyrazole, 5-ethyl-4,5-dihydro...	126	C7H14N2	021981-22-6	18
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	18
3		4-Hepten-3-one, 5-methyl-, (E)-	126	C8H14O	020685-44-3	14
4		4-Hepten-3-one, 5-methyl-, (Z)-	126	C8H14O	020685-43-2	14
5		2-Chloro-3,6-dimethoxybenzoic ac...	230	C10H11ClO4	1000188-25-5	14



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
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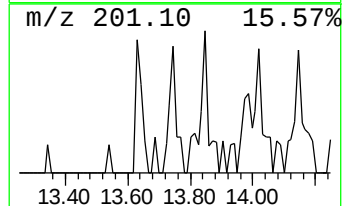
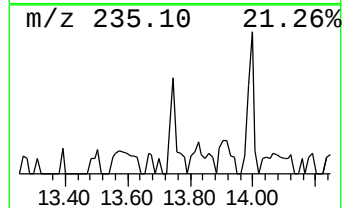
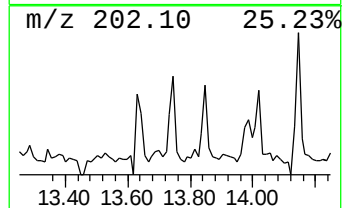
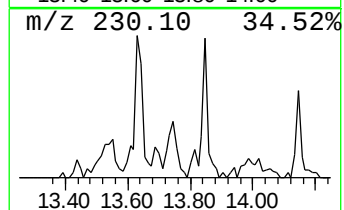
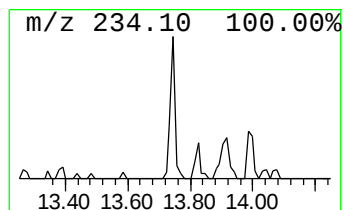
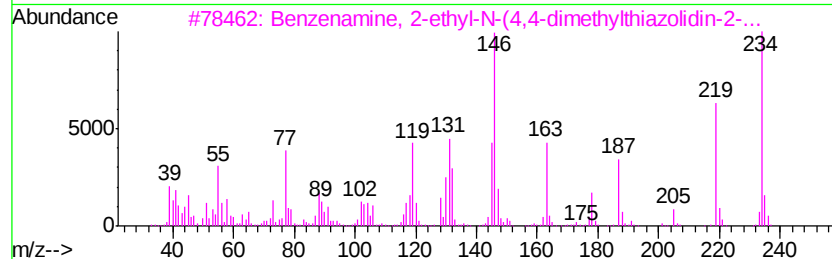
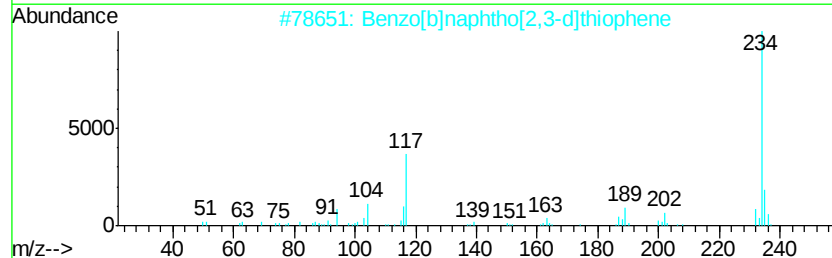
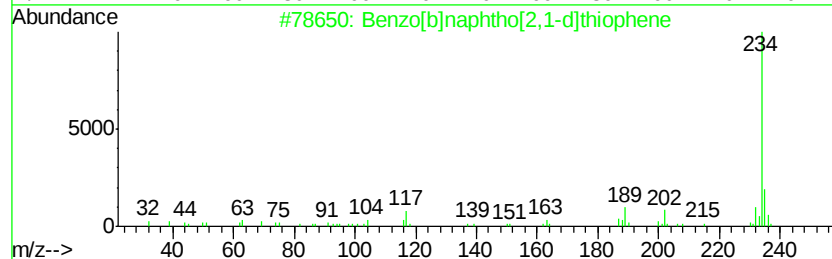
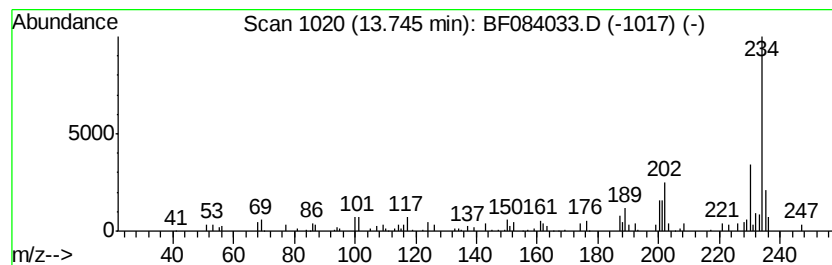
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.90 ng	86121	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
3		Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	49
4		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	49
5		Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
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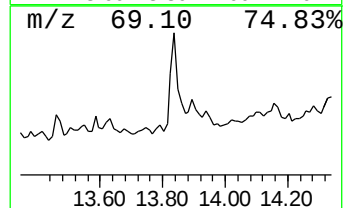
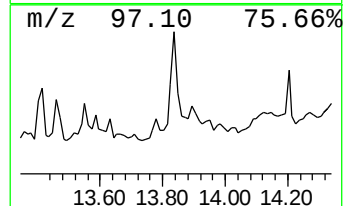
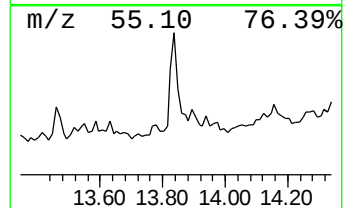
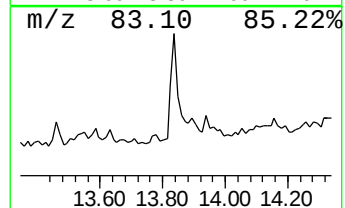
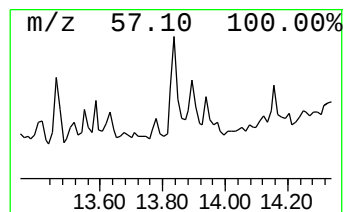
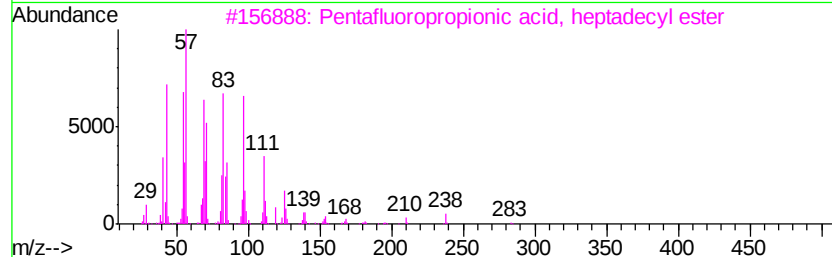
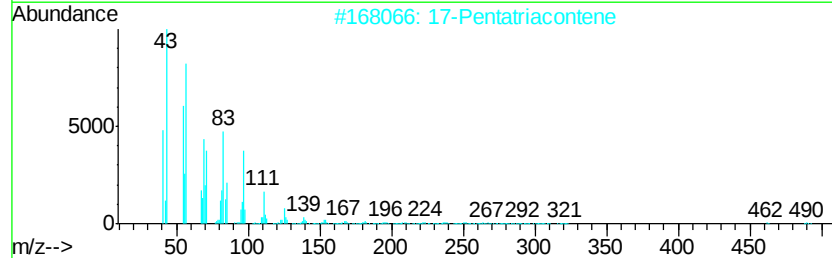
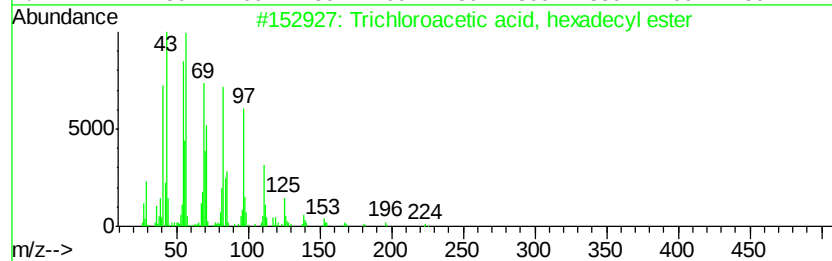
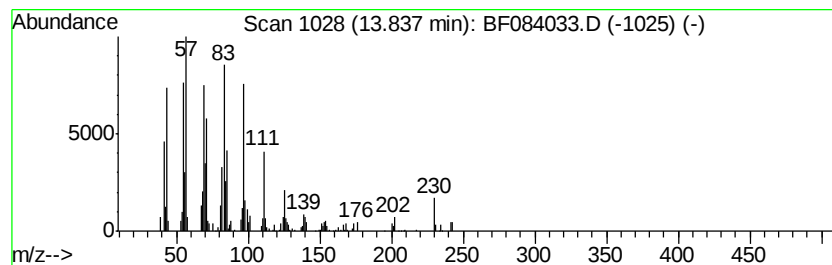
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Trichloroacetic acid, hexad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	5.01 ng	148934	Chrysene-d12	13.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	83
2			17-Pentatriacontene	491	C35H70	006971-40-0	80
3			Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	76
4			1-Octadecanol	270	C18H38O	000112-92-5	72
5			1-Docosene	308	C22H44	001599-67-3	62



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ALS Vial : 39 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-4

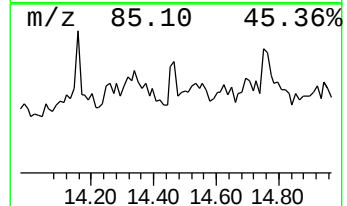
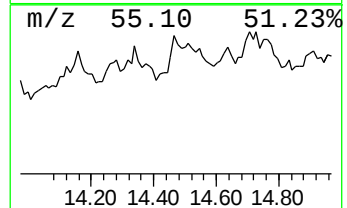
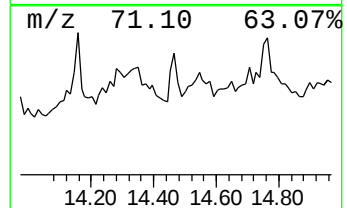
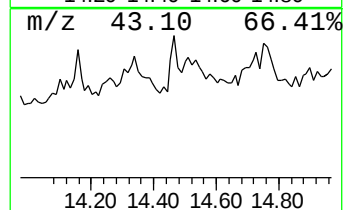
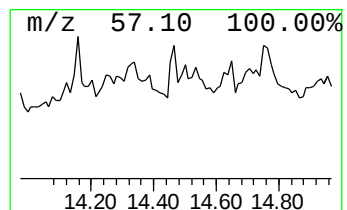
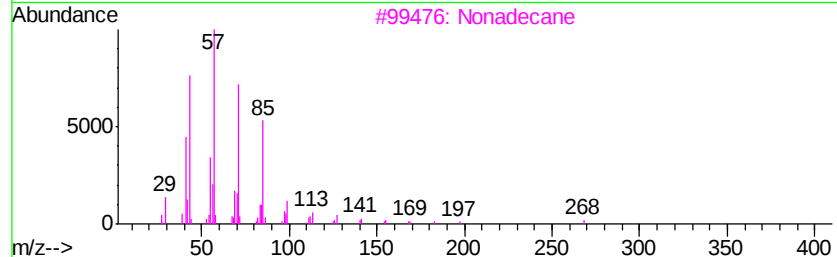
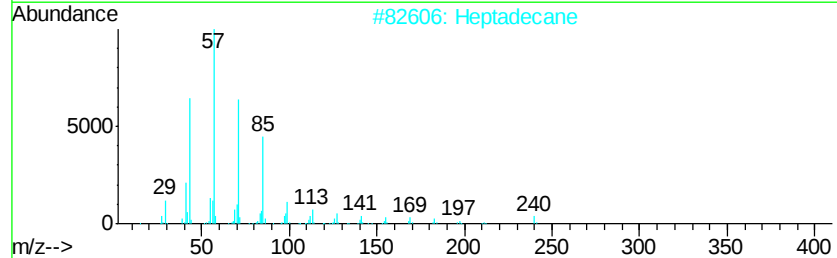
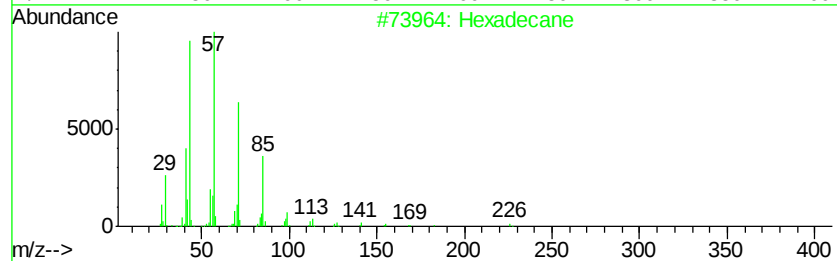
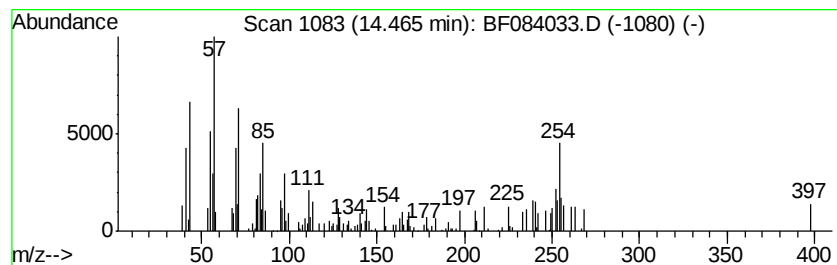
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown14.47 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	2.01 ng	59652	Chrysene-d12	13.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	25
2			Heptadecane	240	C17H36	000629-78-7	15
3			Nonadecane	268	C19H40	000629-92-5	14
4			Nonane	128	C9H20	000111-84-2	11
5			Pentane-2,4-dione, 3-(5-phenyl-2...	254	C16H14O3	116626-23-4	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
 Data File : BF084033.D
 Acq On : 23 Dec 2015 12:11
 Operator : UM/SJ
 Sample : G4913-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.01	18.1	ng	222616	1	6.83	246352	20.0
unknown6.60	6.60	92.9	ng	1144760	1	6.83	246352	20.0
Phenanthrene, 1-m...	11.88	2.1	ng	56939	4	11.36	528542	20.0
Anthracene, 1-met...	11.96	3.6	ng	95453	4	11.36	528542	20.0
9,10-Dimethylanthe...	12.41	2.2	ng	58078	4	11.36	528542	20.0
Pyrene, 1-methyl-	13.12	2.8	ng	82908	5	13.99	594916	20.0
Fluoranthene, 2-m...	13.19	2.3	ng	69511	5	13.99	594916	20.0
unknown13.46	13.46	2.2	ng	66443	5	13.99	594916	20.0
unknown13.55	13.55	3.3	ng	99478	5	13.99	594916	20.0
Benzo[b]naphtho[2...	13.75	2.9	ng	86121	5	13.99	594916	20.0
Trichloroacetic a...	13.84	5.0	ng	148934	5	13.99	594916	20.0
unknown14.47	14.47	2.0	ng	59652	5	13.99	594916	20.0