

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084036.D
 Acq On : 23 Dec 2015 13:36
 Operator : UM/SJ
 Sample : G4862-05
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-WEST

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	254	256	265	rBB	248328	407399	20.33%	2.372%
2	5.447	292	294	297	rBV	1205324	1349991	67.36%	7.858%
3	6.476	382	384	387	rBV	1014724	1438836	71.79%	8.376%
4	6.602	392	395	398	rBV	1534258	1449255	72.31%	8.436%
5	6.830	413	415	417	rBV	268453	268873	13.42%	1.565%
6	6.990	426	429	431	rBV	1065897	1295074	64.62%	7.539%
7	7.390	462	464	467	rBV	774303	888134	44.32%	5.170%
8	7.859	503	505	507	rBV	25755	21297	1.06%	0.124%
9	8.110	525	527	530	rBV	439209	376316	18.78%	2.191%
10	9.196	619	622	624	rBV	1725882	2004122	100.00%	11.666%
11	9.585	654	656	658	rVB	393171	319331	15.93%	1.859%
12	9.870	678	681	683	rBV	394631	432215	21.57%	2.516%
13	10.305	718	719	721	rVB	28672	21666	1.08%	0.126%
14	10.659	747	750	752	rBV	1221385	1188864	59.32%	6.921%
15	10.773	758	760	764	rBV	34099	45975	2.29%	0.268%
16	11.219	798	799	804	rVB2	22693	41762	2.08%	0.243%
17	11.345	808	810	814	rVV	292895	525974	26.24%	3.062%
18	11.425	814	817	819	rVB	27489	29651	1.48%	0.173%
19	11.585	828	831	835	rBV2	17138	26949	1.34%	0.157%
20	11.848	852	854	856	rBV2	28833	36365	1.81%	0.212%
21	11.882	856	857	859	rVV	47286	40903	2.04%	0.238%
22	11.962	862	864	868	rVB2	51123	74281	3.71%	0.432%
23	12.134	877	879	882	rBV2	19924	32594	1.63%	0.190%
24	12.396	900	902	904	rBV	24110	35477	1.77%	0.207%
25	12.431	904	905	909	rVV	23354	42685	2.13%	0.248%
26	12.488	909	910	914	rVB2	20229	22791	1.14%	0.133%
27	12.556	914	916	919	rBV	150015	190205	9.49%	1.107%
28	12.785	932	936	939	rBV2	152318	240176	11.98%	1.398%
29	12.842	939	941	944	rVB2	21277	27777	1.39%	0.162%
30	12.934	946	949	952	rVB	1427233	1530697	76.38%	8.910%
31	13.014	953	956	957	rBV	17532	26807	1.34%	0.156%
32	13.036	957	958	960	rVB2	33396	38430	1.92%	0.224%
33	13.116	962	965	967	rBV	27984	53127	2.65%	0.309%
34	13.185	967	971	973	rVB2	23181	30393	1.52%	0.177%

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35	13.219	973	974	978	rVB	23766	39045	1.95%	0.227%
36	13.311	978	982	984	rBV	21144	33610	1.68%	0.196%
37	13.345	984	985	989	rBV	21913	28586	1.43%	0.166%
38	13.437	989	993	994	rVV	34521	37262	1.86%	0.217%
39	13.459	994	995	997	rVB	25783	31325	1.56%	0.182%
40	13.517	997	1000	1004	rBV3	12869	34500	1.72%	0.201%
41	13.631	1006	1010	1012	rVB2	25136	29265	1.46%	0.170%
42	13.734	1017	1019	1020	rBV2	18644	24658	1.23%	0.144%
43	13.768	1020	1022	1023	rVB2	19076	23120	1.15%	0.135%
44	13.837	1025	1028	1033	rVB2	107215	152316	7.60%	0.887%
45	13.985	1038	1041	1046	rVV2	371634	492633	24.58%	2.868%
46	14.157	1052	1056	1059	rBV2	32012	56139	2.80%	0.327%
47	14.374	1073	1075	1077	rVB	21865	24302	1.21%	0.141%
48	14.465	1080	1083	1085	rBV3	104889	137163	6.84%	0.798%
49	14.637	1095	1098	1107	rVV8	9809	43934	2.19%	0.256%
50	14.751	1107	1108	1113	rVB3	15804	25753	1.29%	0.150%
51	15.014	1128	1131	1134	rBV	68619	129021	6.44%	0.751%
52	15.071	1134	1136	1138	rVV	32414	51522	2.57%	0.300%
53	15.105	1138	1139	1142	rVB2	14469	20786	1.04%	0.121%
54	15.300	1153	1156	1159	rBV	41010	53680	2.68%	0.312%
55	15.357	1159	1161	1164	rVB	45977	62098	3.10%	0.361%
56	15.414	1164	1166	1174	rBV	212632	296687	14.80%	1.727%
57	15.631	1182	1185	1190	rVB4	16509	34590	1.73%	0.201%
58	15.848	1199	1204	1206	rBV2	31347	57394	2.86%	0.334%
59	15.894	1206	1208	1212	rVB3	14238	34013	1.70%	0.198%
60	16.591	1266	1269	1272	rVB3	13232	24213	1.21%	0.141%
61	16.843	1285	1291	1298	rBV2	23416	74073	3.70%	0.431%
62	16.957	1298	1301	1303	rBV2	11967	27801	1.39%	0.162%
63	17.083	1308	1312	1318	rVB4	14866	53828	2.69%	0.313%
64	17.265	1325	1328	1332	rBV	16445	34907	1.74%	0.203%
65	17.345	1332	1335	1338	rVV3	16227	42302	2.11%	0.246%
66	17.414	1338	1341	1346	rVB2	22296	52781	2.63%	0.307%
67	17.654	1358	1362	1366	rBV4	19665	53604	2.67%	0.312%
68	17.871	1378	1381	1386	rVB7	6935	20414	1.02%	0.119%
69	18.088	1396	1400	1409	rBV9	9996	49667	2.48%	0.289%
70	18.317	1415	1420	1424	rBV5	10415	30708	1.53%	0.179%
71	19.289	1500	1505	1514	rVB3	61467	206729	10.32%	1.203%

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Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

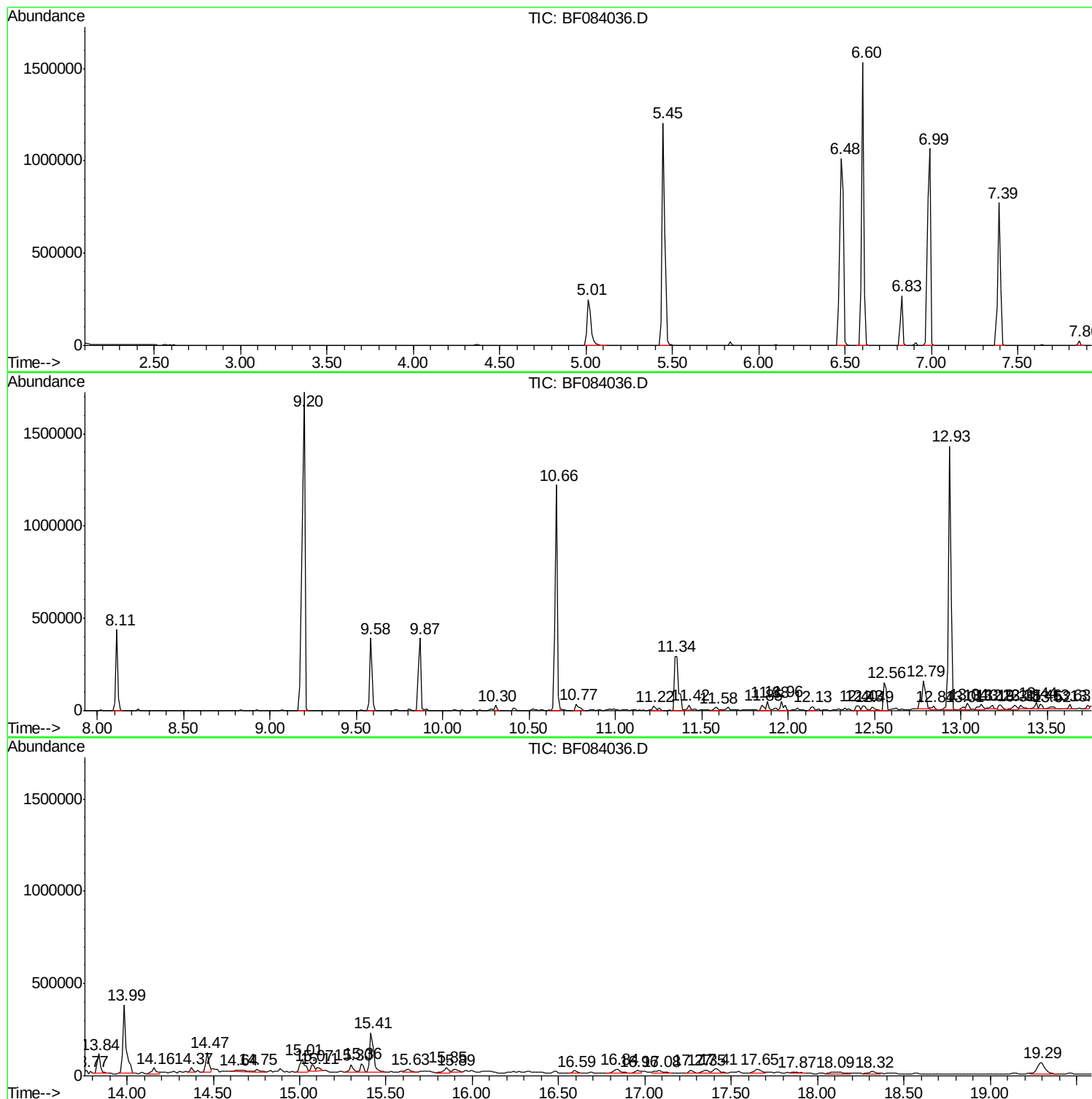
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Instrument :
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ClientSampled :
AST-HC-WEST

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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Sample : G4862-05
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Instrument :
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ClientSampleId :
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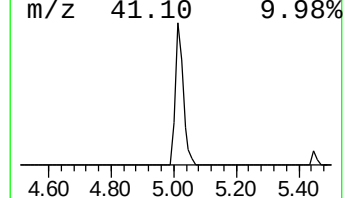
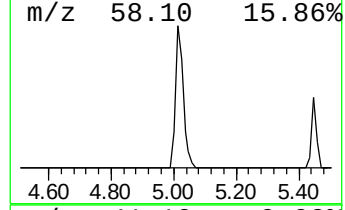
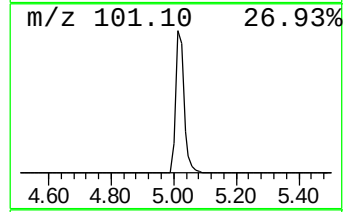
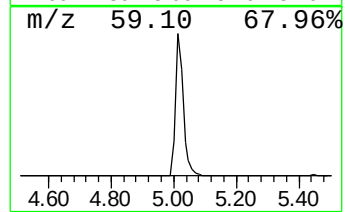
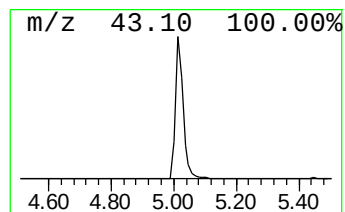
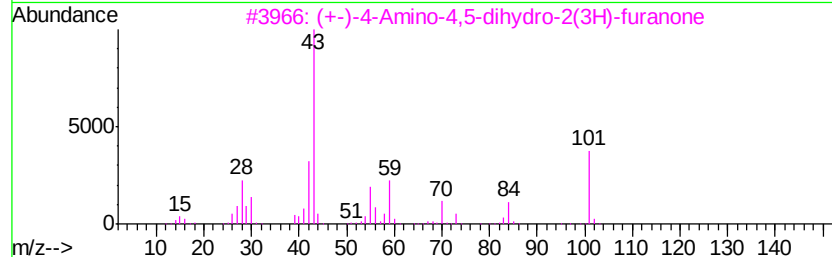
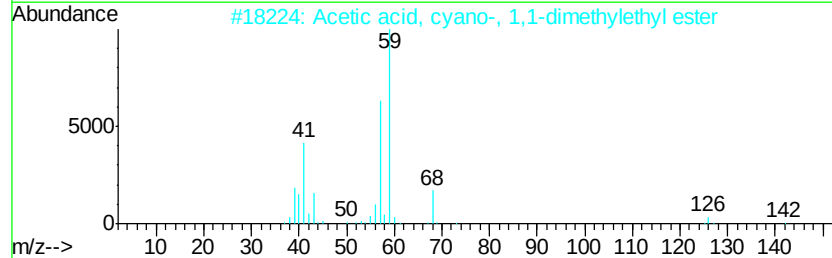
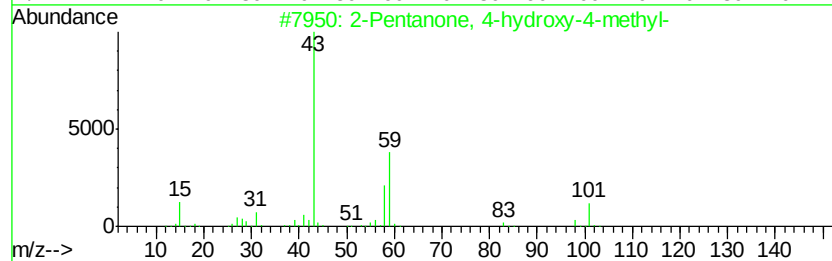
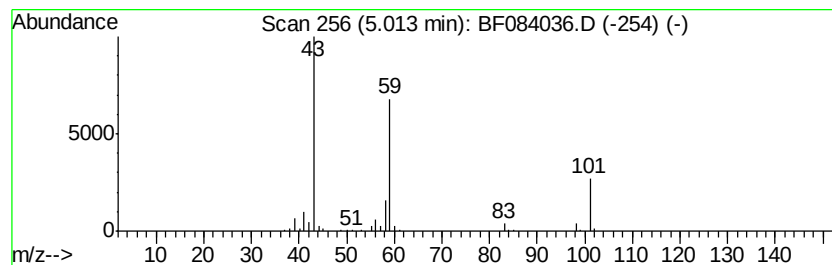
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	30.30 ng	407399	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	50
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
3		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



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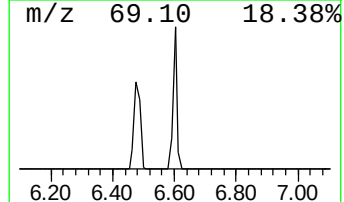
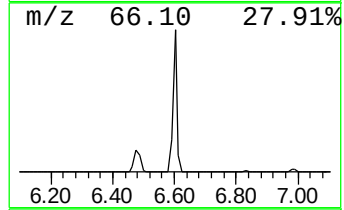
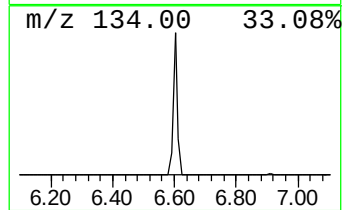
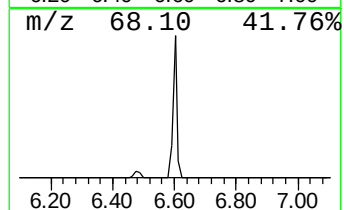
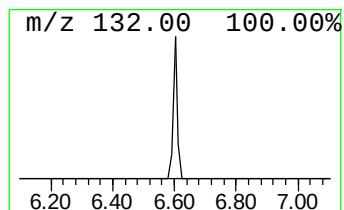
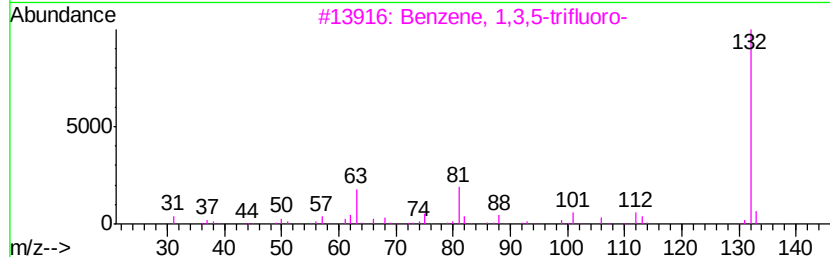
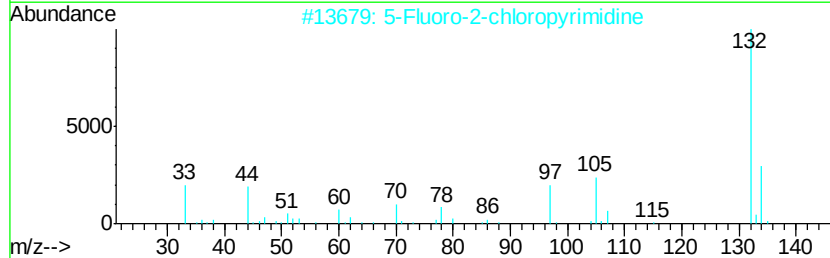
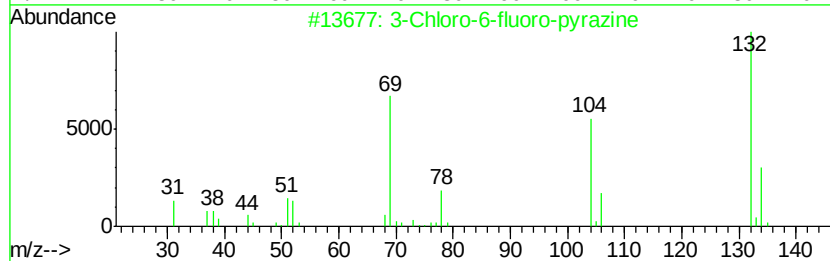
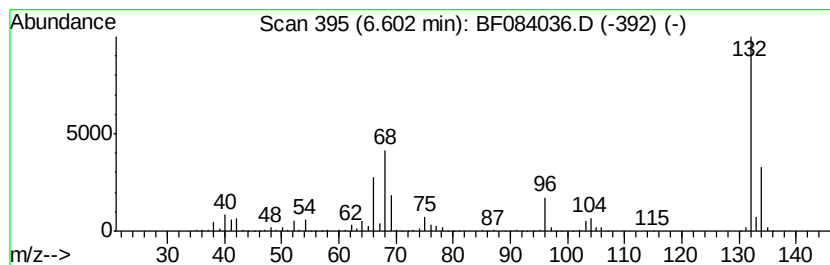
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	107.80 ng	1449260	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	27
3		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	14
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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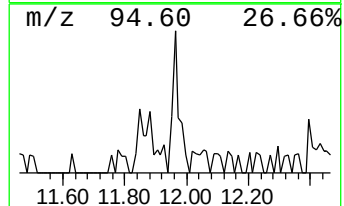
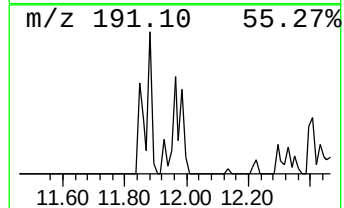
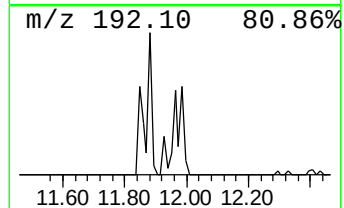
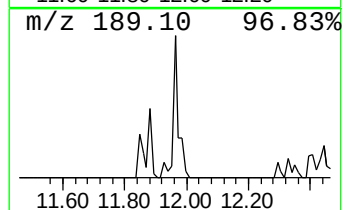
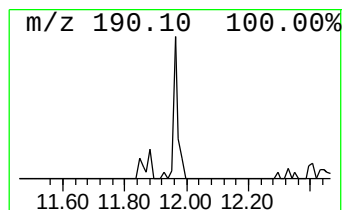
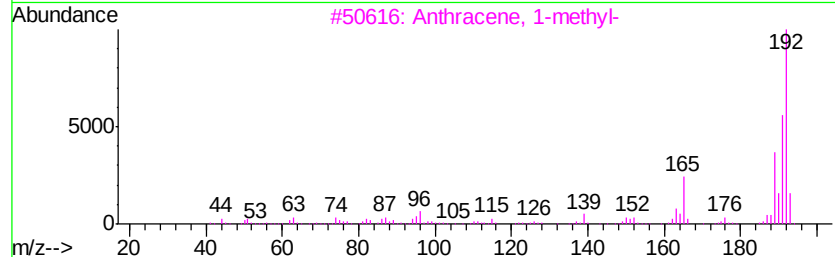
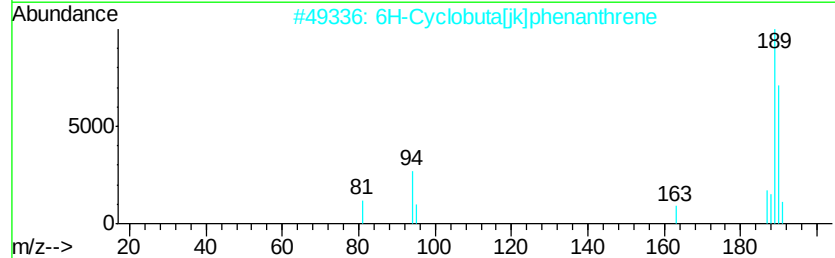
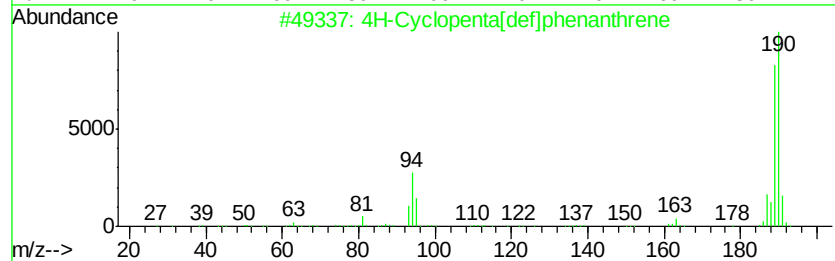
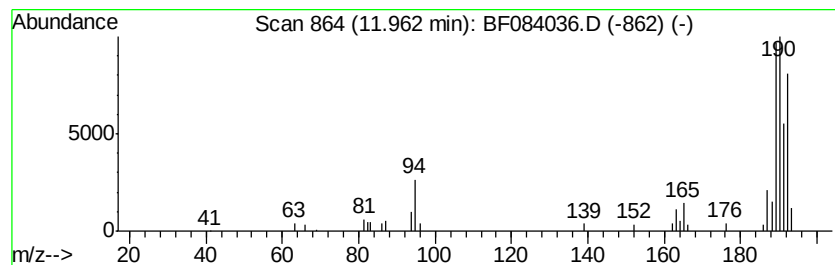
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.96	2.82 ng	74281	Phenanthrene-d10		11.36
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38



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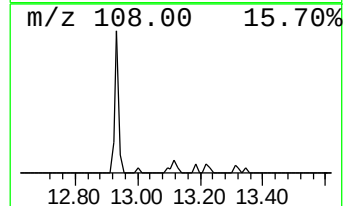
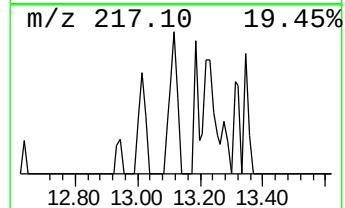
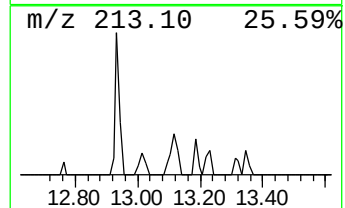
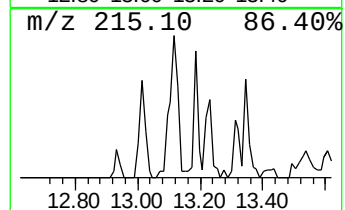
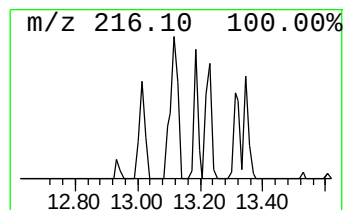
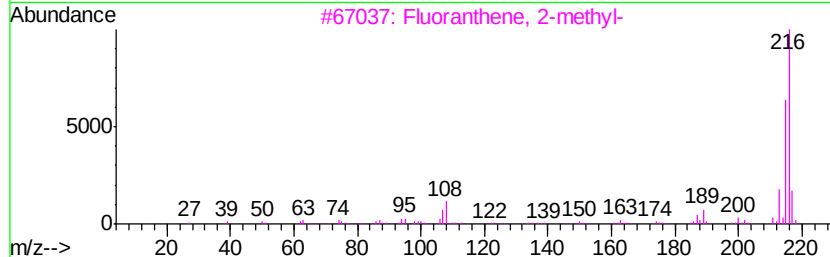
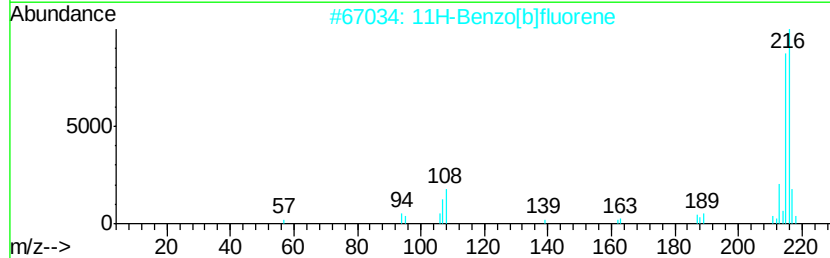
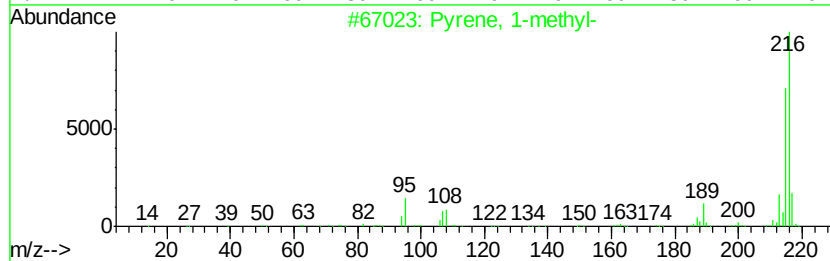
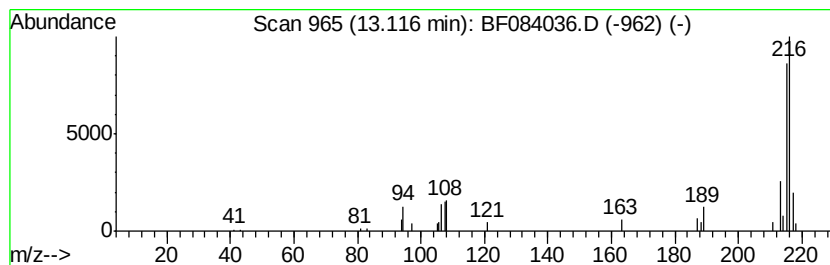
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.16 ng	53127	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
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Operator : UM/SJ
Sample : G4862-05
Misc :
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ClientSampleId :
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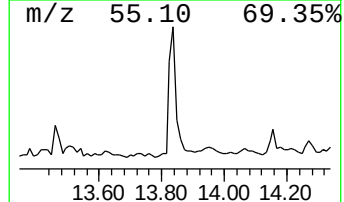
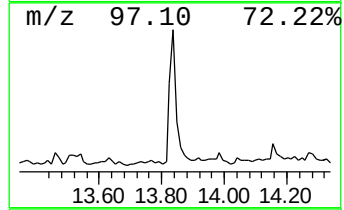
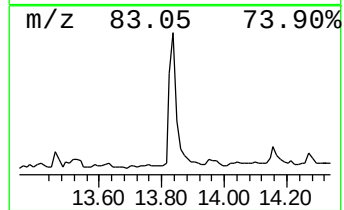
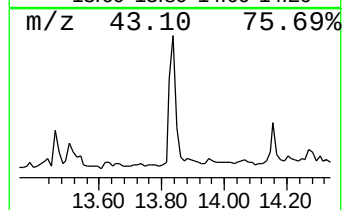
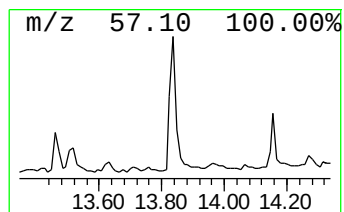
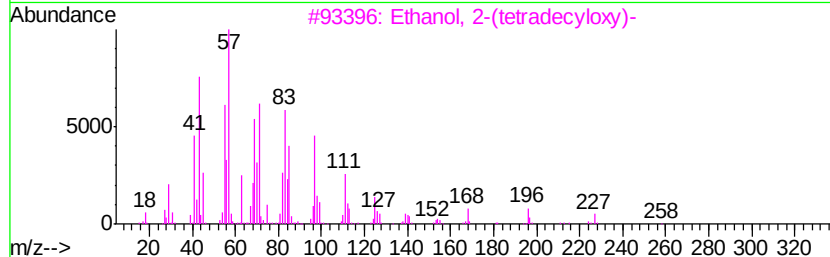
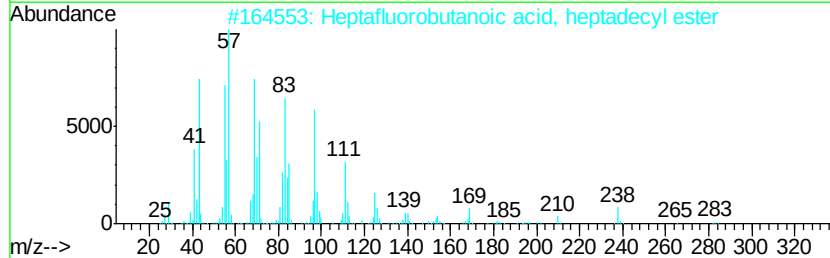
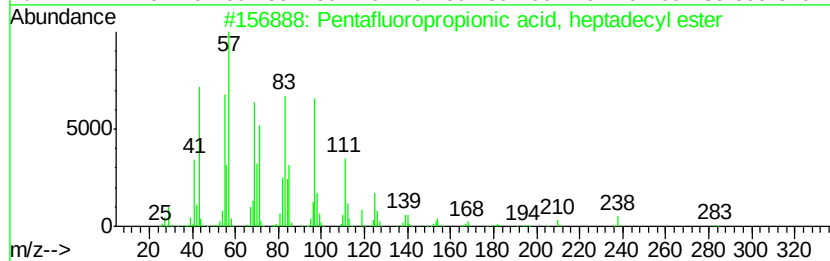
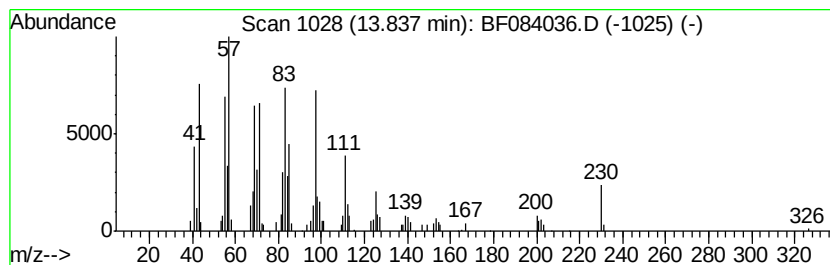
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Pentafluoropropionic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	6.18 ng	152316	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	93
2		Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	93
3		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90
4		1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	83
5		1-Docosene	308	C22H44	001599-67-3	83



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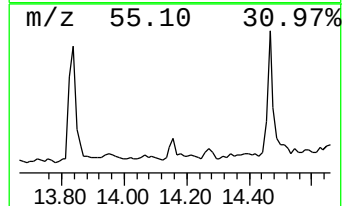
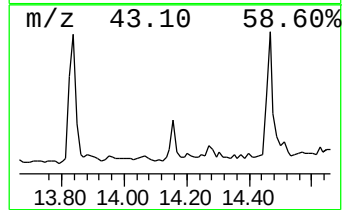
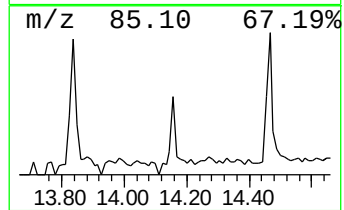
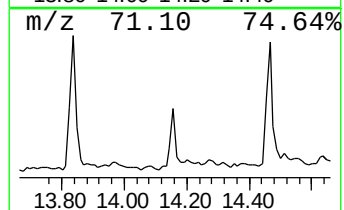
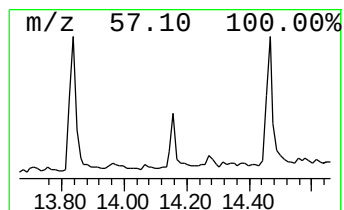
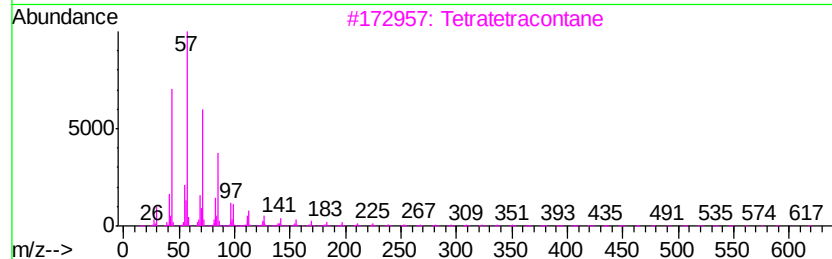
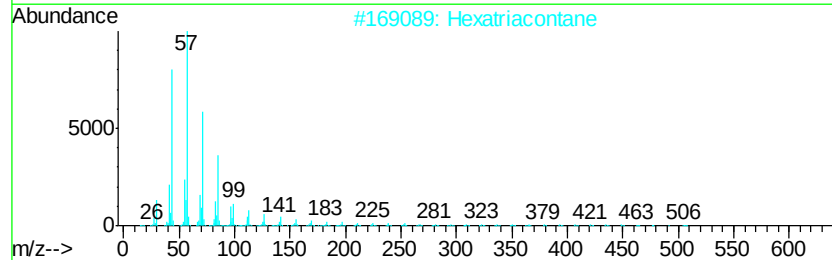
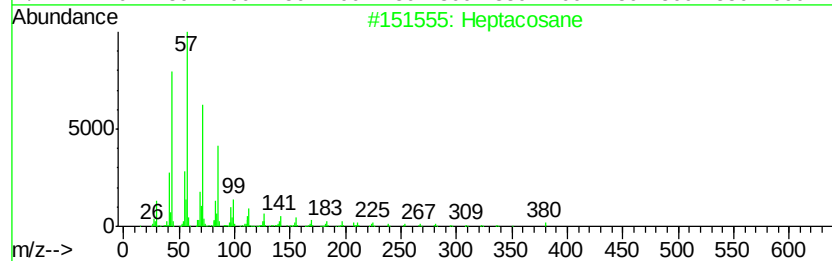
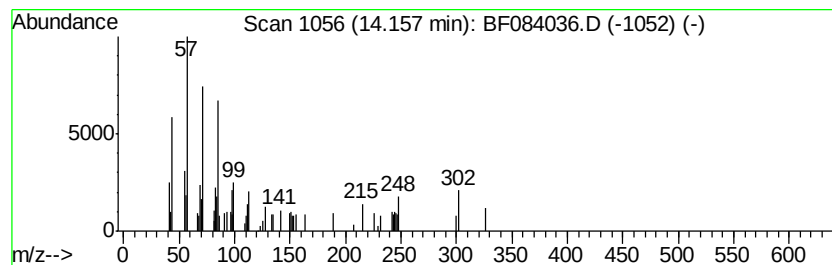
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	2.28 ng	56139	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	68
2		Hexatriacontane	507	C36H74	000630-06-8	68
3		Tetratetracontane	619	C44H90	007098-22-8	64
4		Tetratriacontane	479	C34H70	014167-59-0	64
5		Hexadecane	226	C16H34	000544-76-3	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084036.D
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Sample : G4862-05
Misc :
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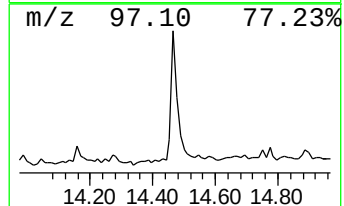
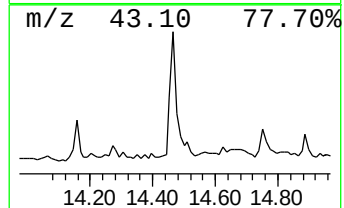
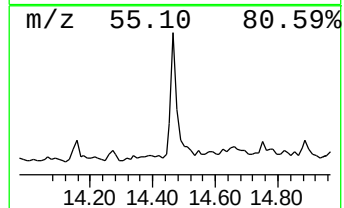
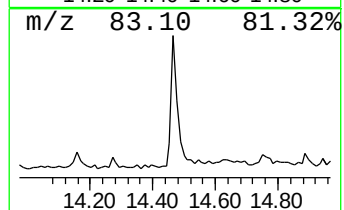
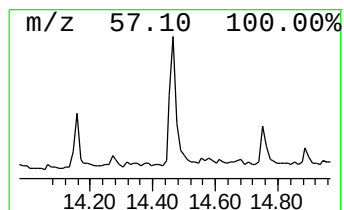
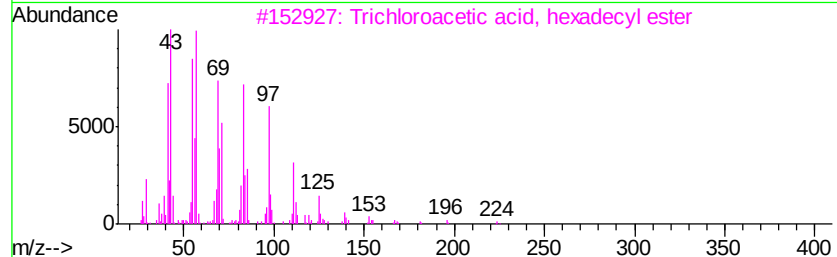
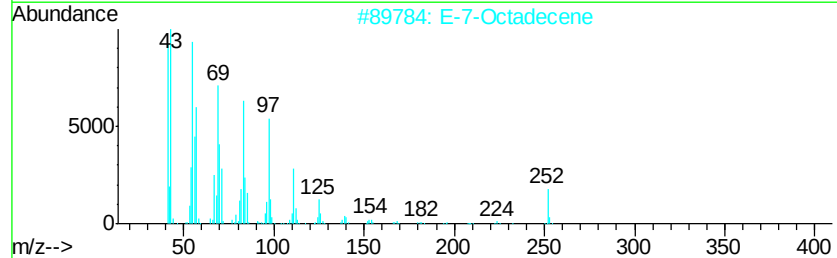
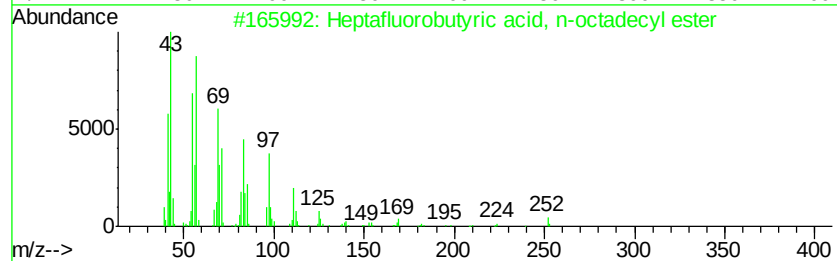
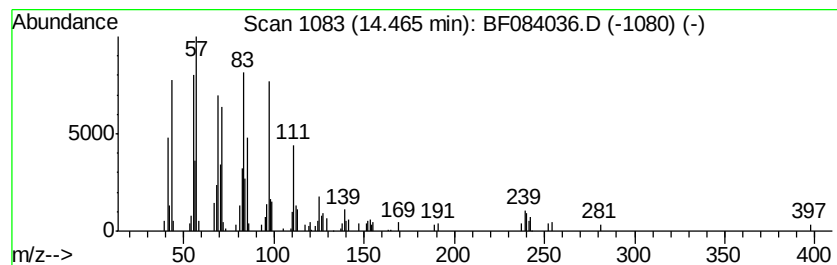
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptafluorobutyric acid, n-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	5.57 ng	137163	Chrysene-d12	13.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptafluorobutyric acid, n-octadecyl...	466	C22H37F7O2	000400-57-7	90
2		E-7-Octadecene	252	C18H36	1000130-92-0	90
3		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	87
4		1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	87
5		Cyclooctacosane	392	C28H56	000297-24-5	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
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Acq On : 23 Dec 2015 13:36
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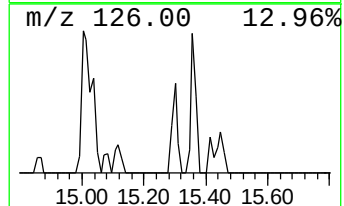
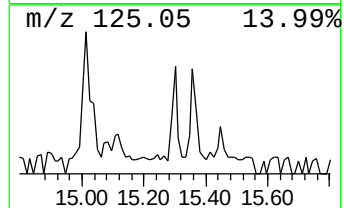
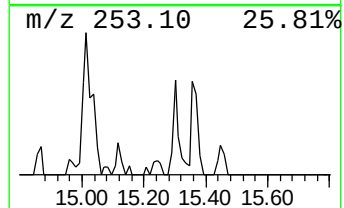
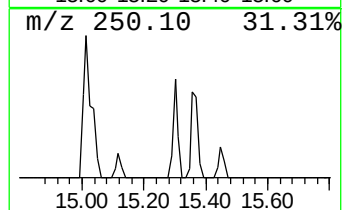
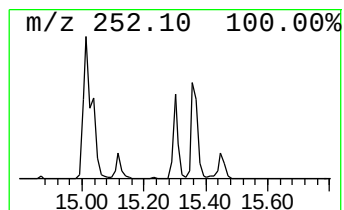
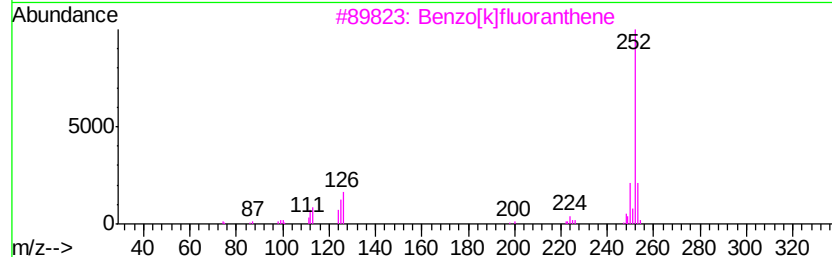
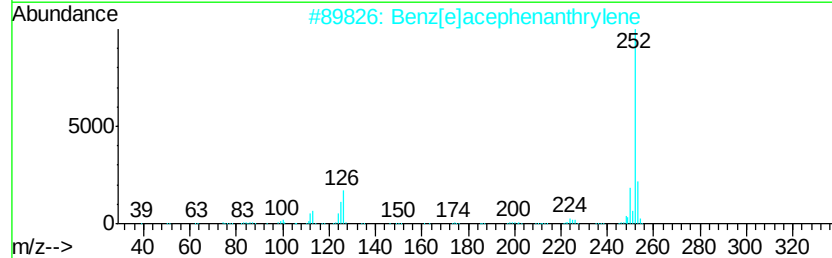
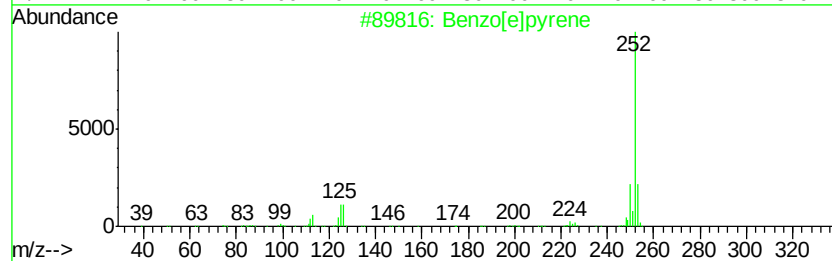
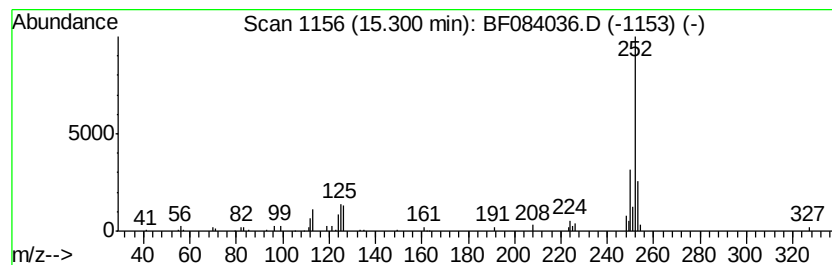
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	3.62 ng	53680	Perylene-d12	15.41

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4		Benzo[a]pyrene	252	C20H12	000050-32-8	87
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
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Acq On : 23 Dec 2015 13:36
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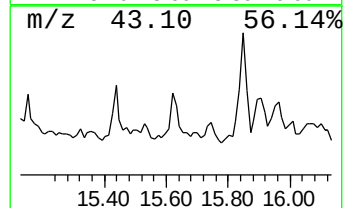
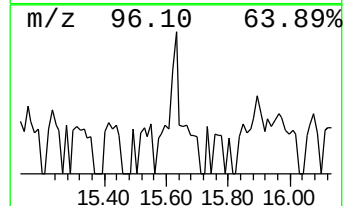
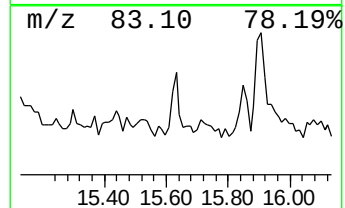
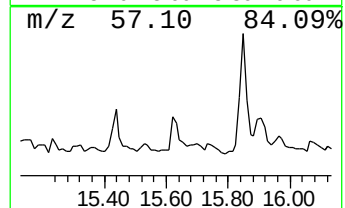
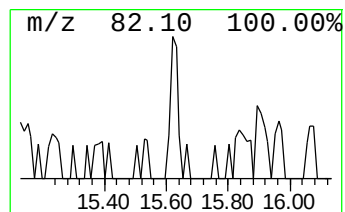
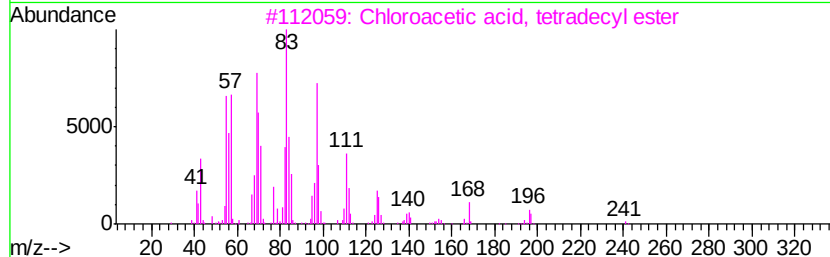
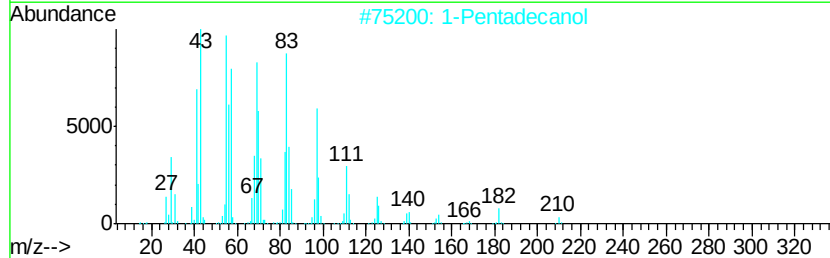
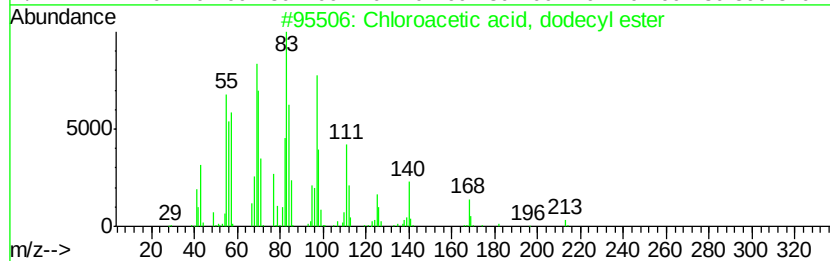
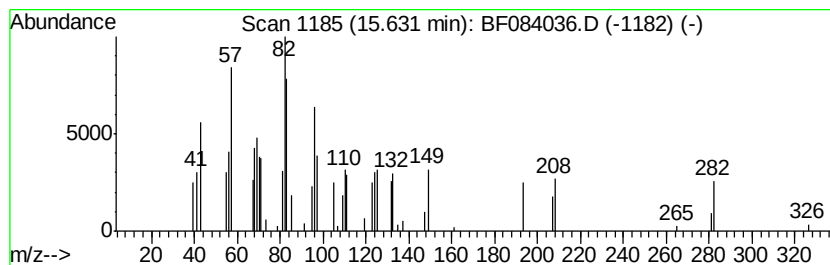
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown15.63 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	2.33 ng	34590	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Chloroacetic acid, dodecyl ester	262	C14H27ClO2	006316-04-7	27
2		1-Pentadecanol	228	C15H32O	000629-76-5	27
3		Chloroacetic acid, tetradecyl ester	290	C16H31ClO2	018277-86-6	27
4		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	22
5		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	22



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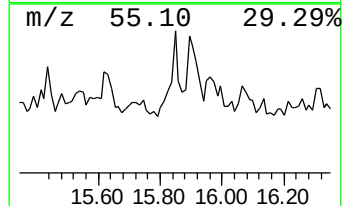
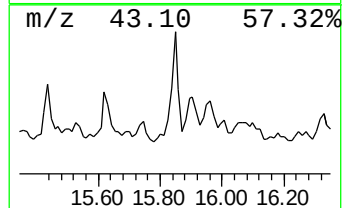
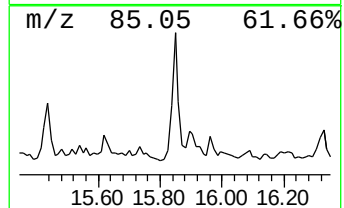
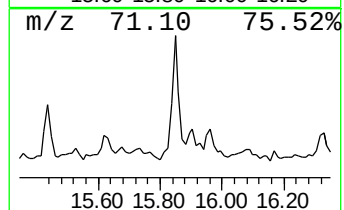
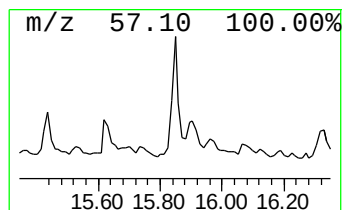
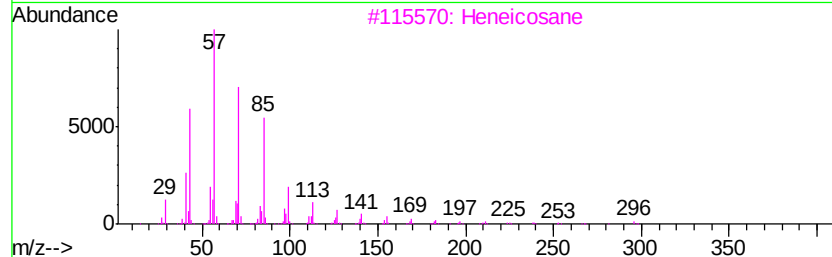
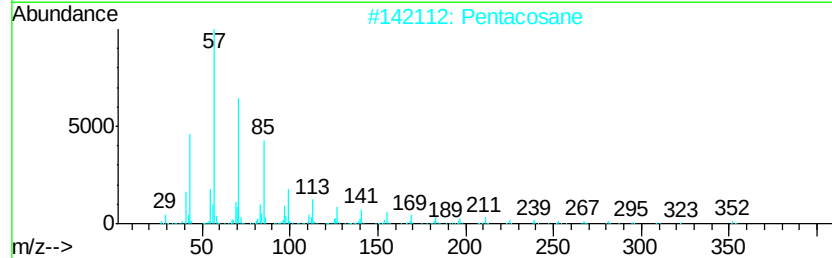
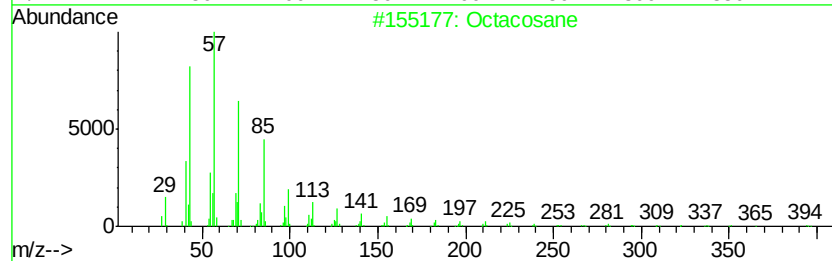
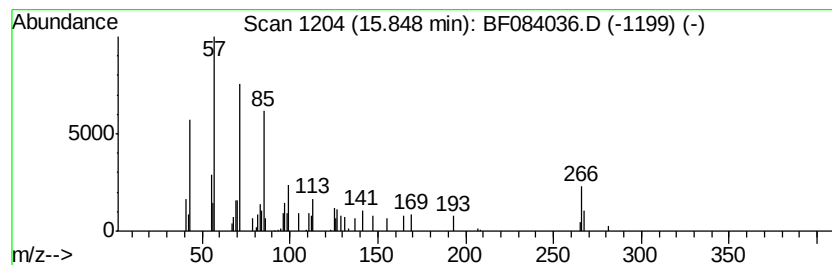
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	3.87 ng	57394	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	81
2		Pentacosane	352	C25H52	000629-99-2	74
3		Heneicosane	296	C21H44	000629-94-7	74
4		Eicosane	282	C20H42	000112-95-8	74
5		Hentriacontane	437	C31H64	000630-04-6	74



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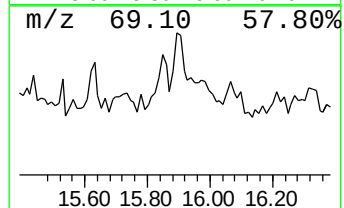
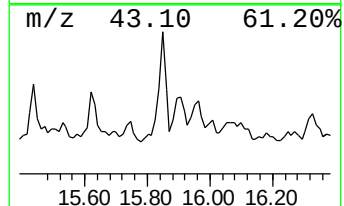
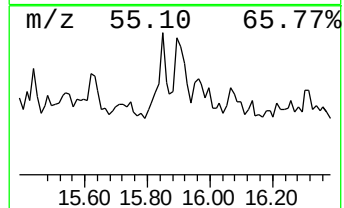
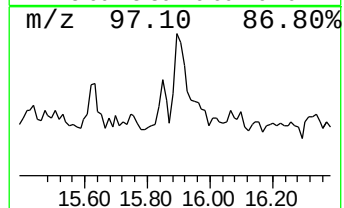
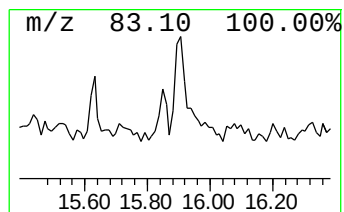
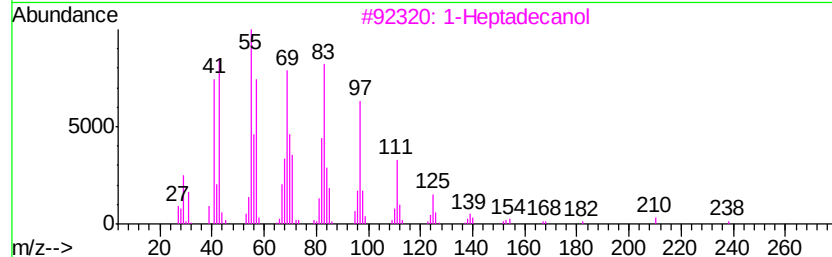
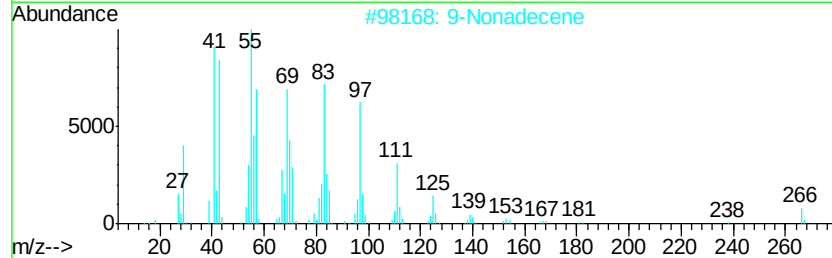
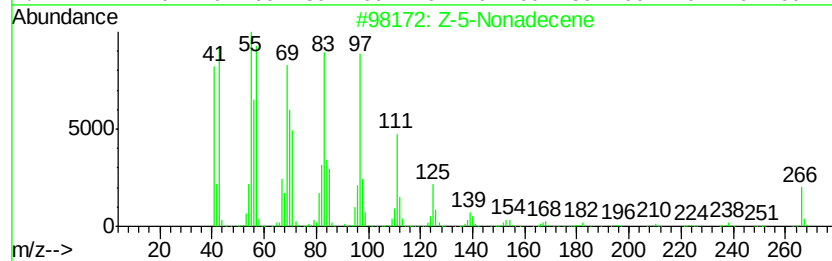
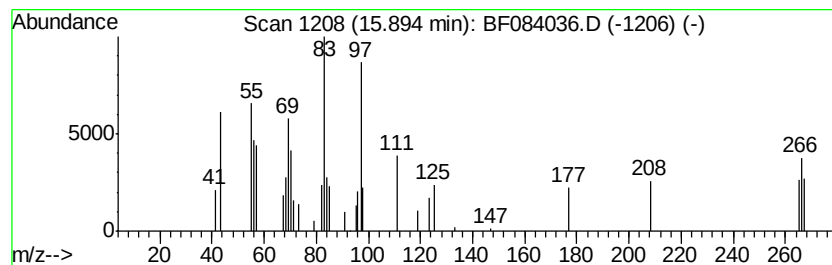
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Z-5-Nonadecene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	2.29 ng	34013	Perylene-d12	15.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Z-5-Nonadecene	266 C19H38	1000131-11-8 92
2		9-Nonadecene	266 C19H38	031035-07-1 64
3		1-Heptadecanol	256 C17H36O	001454-85-9 53
4		Bacteriochlorophyll-c-stearyl	841 C52H72MnN4O4	1000164-49-7 53
5		E-15-Heptadecenal	252 C17H32O	1000130-97-9 50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084036.D
Acq On : 23 Dec 2015 13:36
Operator : UM/SJ
Sample : G4862-05
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AST-HC-WEST

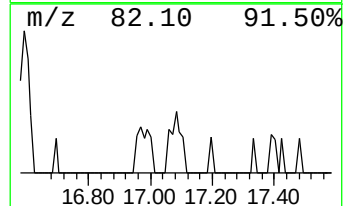
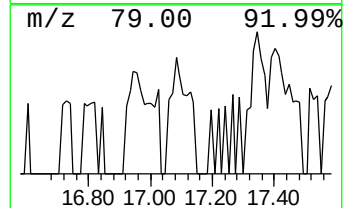
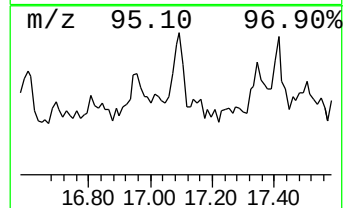
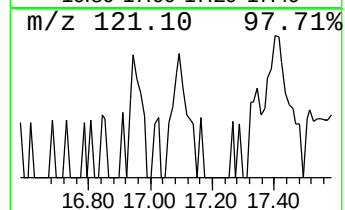
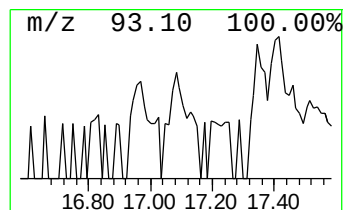
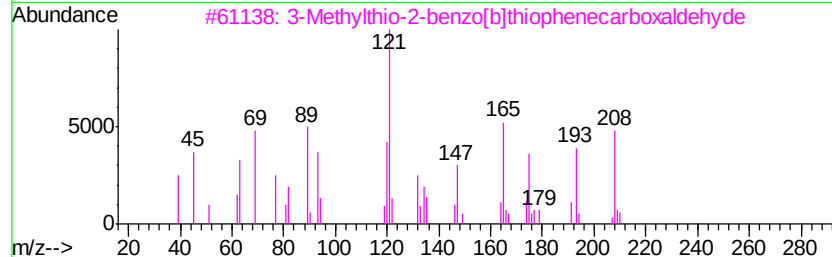
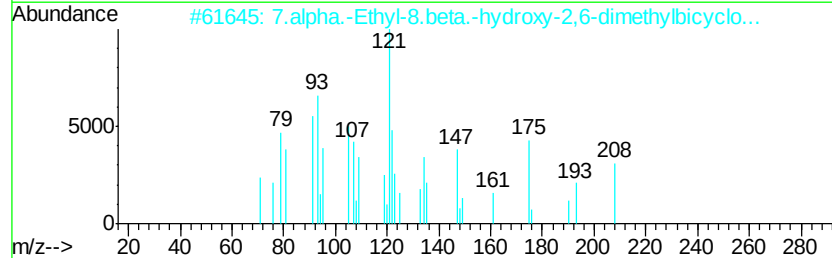
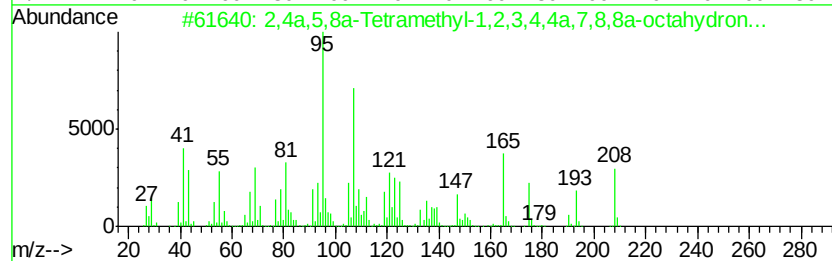
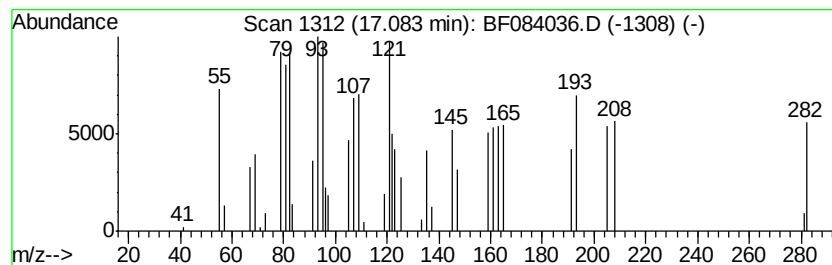
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown17.08 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	3.63 ng	53828	Perylene-d12	15.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4a,5,8a-Tetramethyl-1,2,3,4,4a...	208	C14H24O	020558-22-9	38		
2	7.alpha.-Ethyl-8.beta.-hydroxy-2...	208	C14H24O	1000077-92-4	38		
3	3-Methylthio-2-benzo[b]thiophene...	208	C10H8OS2	050451-79-1	27		
4	1H-3a,7-Methanoazulene, octahydr...	206	C15H26	013567-54-9	12		
5	1-Oxaspiro[4.5]dec-3-en-2-one, 6...	208	C13H20O2	1000157-61-6	11		



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
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Acq On : 23 Dec 2015 13:36
Operator : UM/SJ
Sample : G4862-05
Misc :
ALS Vial : 42 Sample Multiplier: 1

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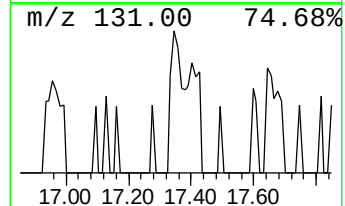
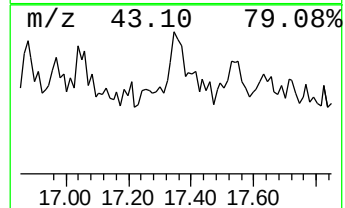
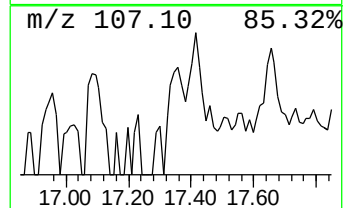
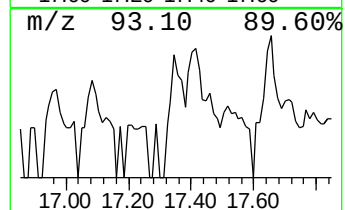
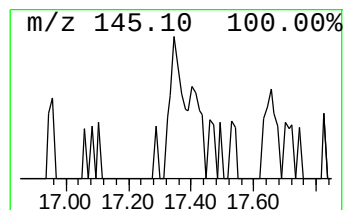
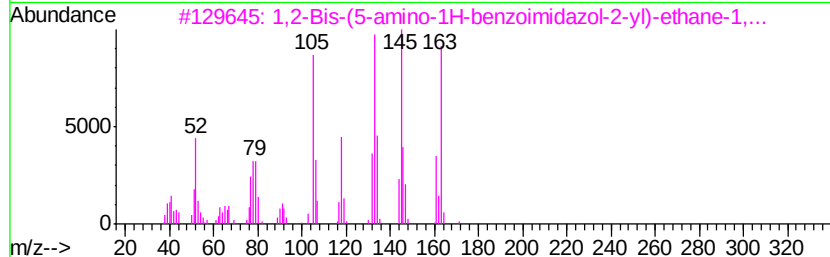
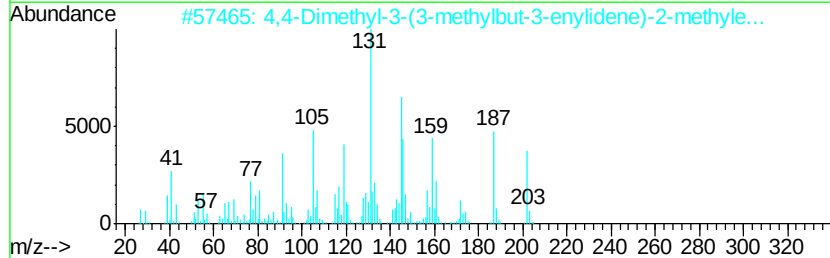
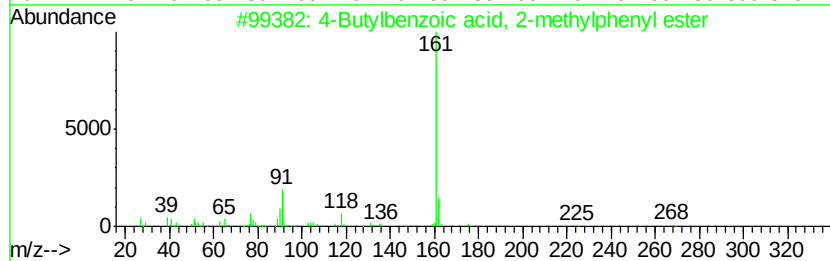
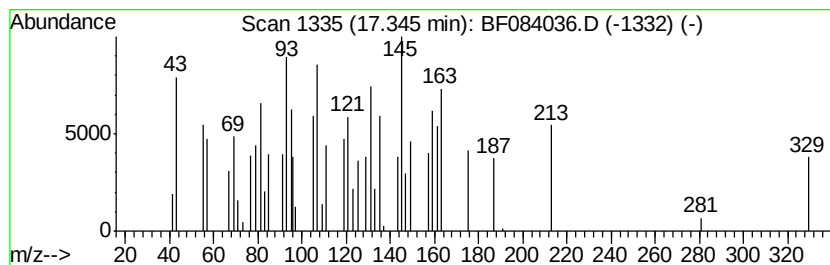
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown17.35 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	2.85 ng	42302	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Butylbenzoic acid, 2-methylphe...	268	C18H20O2	1000293-58-3	25
2		4,4-Dimethyl-3-(3-methylbut-3-en...	202	C15H22	079718-83-5	14
3		1,2-Bis-(5-amino-1H-benzoimidazo...	324	C16H16N6O2	031545-09-2	10
4		2-Methyl-5-benzimidazolecarboxamide	175	C9H9N3O	093192-50-8	9
5		4-[3-n-Hexyloxypropylamino]benzo...	288	C16H24N4O	025465-42-3	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
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Acq On : 23 Dec 2015 13:36
Operator : UM/SJ
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Misc :
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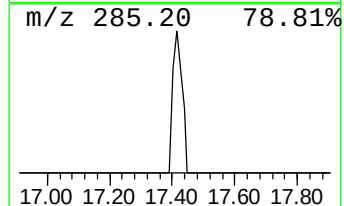
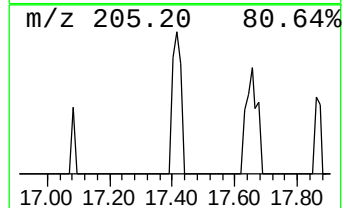
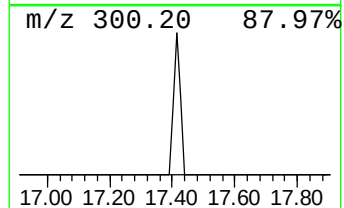
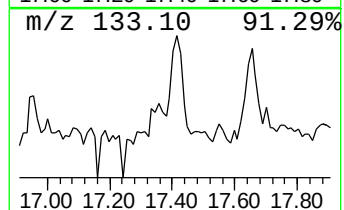
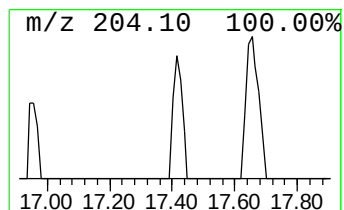
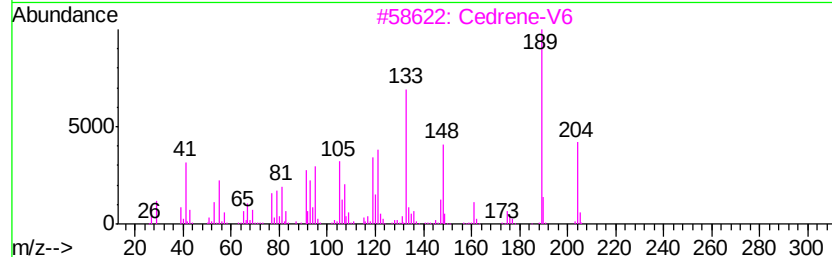
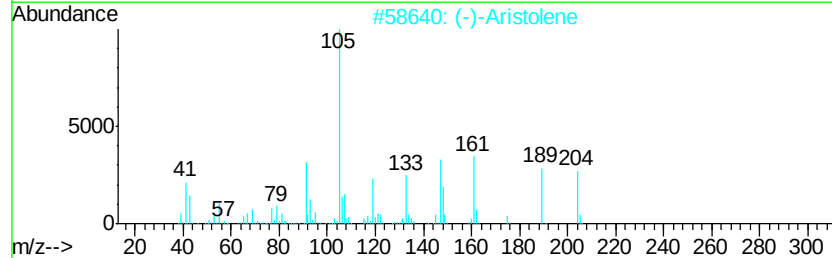
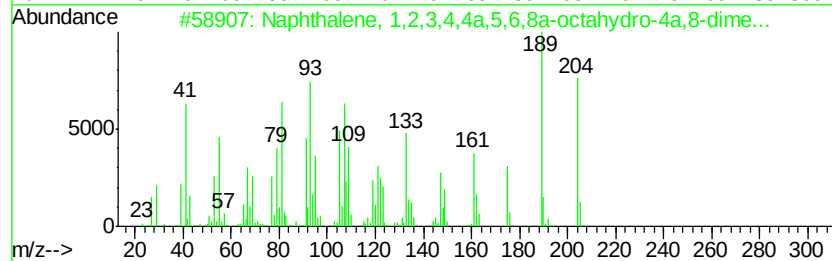
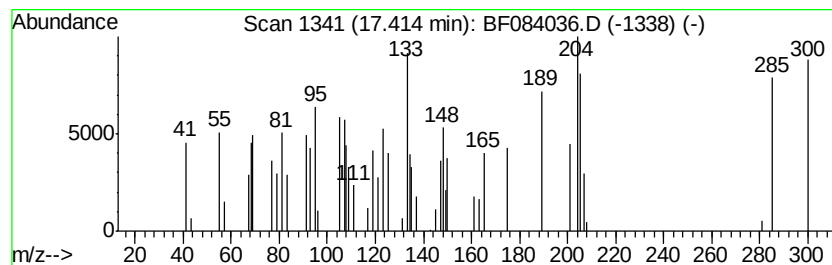
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown17.41 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	3.56 ng	52781	Perylene-d12	15.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	30
2			(-)-Aristolene	204	C15H24	006831-16-9	30
3			Cedrene-V6	204	C15H24	1000162-76-8	25
4			2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	22
5			1H-Cycloprop[e]azulene, 1a,2,3,5...	204	C15H24	021747-46-6	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
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Sample : G4862-05
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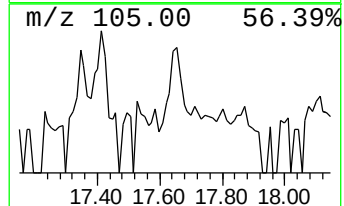
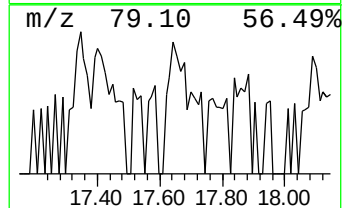
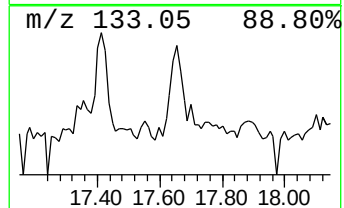
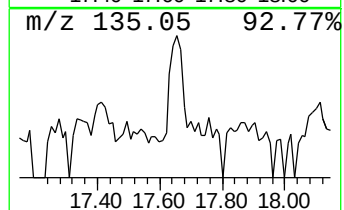
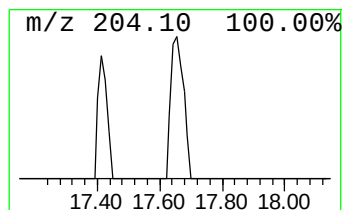
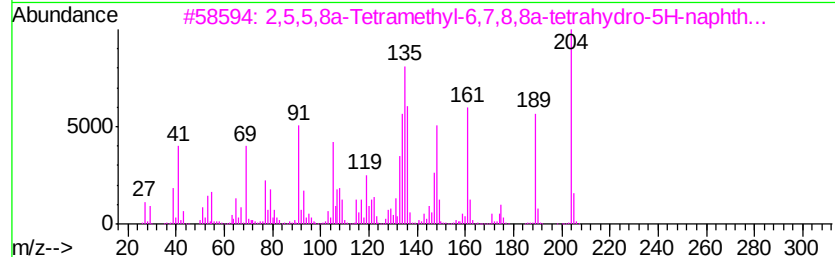
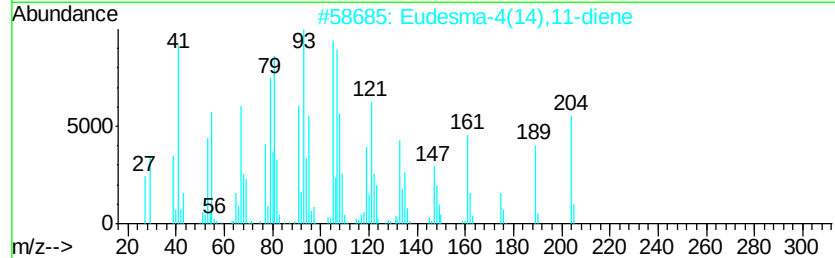
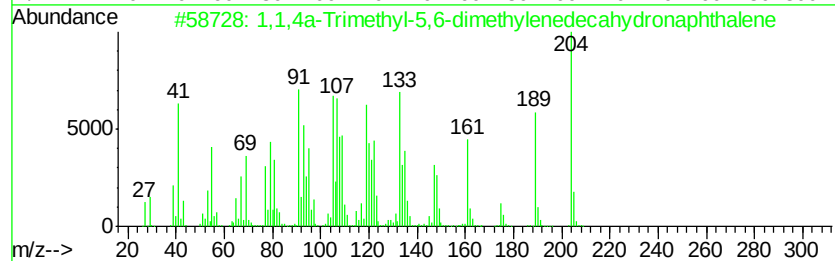
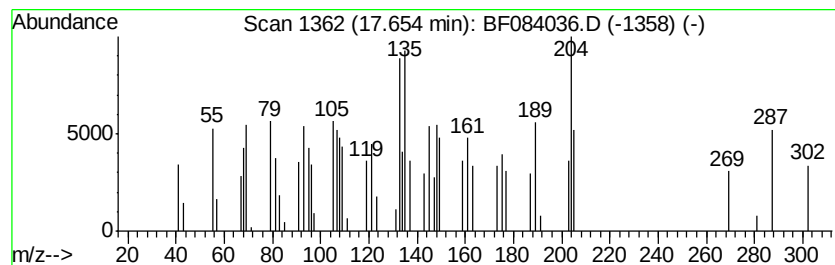
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	3.61 ng	53604	Perylene-d12	15.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	64
2			Eudesma-4(14),11-diene	204	C15H24	1000152-04-3	49
3			2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	46
4			Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	43
5			2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084036.D
Acq On : 23 Dec 2015 13:36
Operator : UM/SJ
Sample : G4862-05
Misc :
ALS Vial : 42 Sample Multiplier: 1

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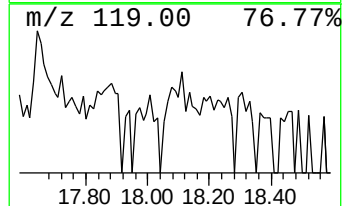
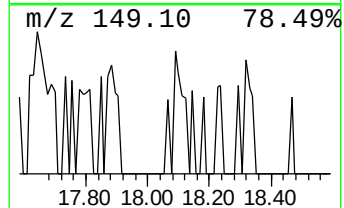
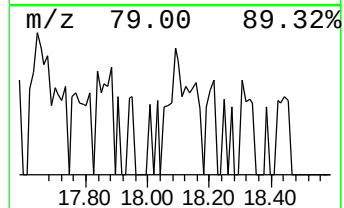
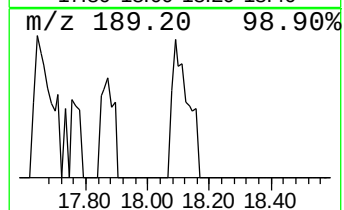
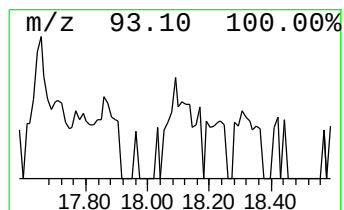
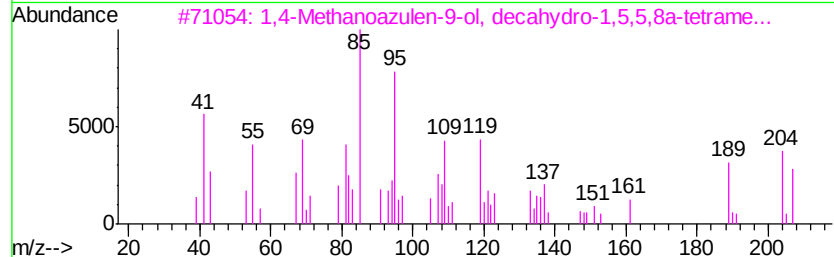
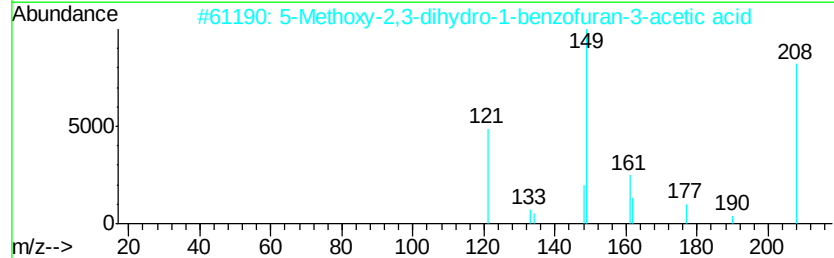
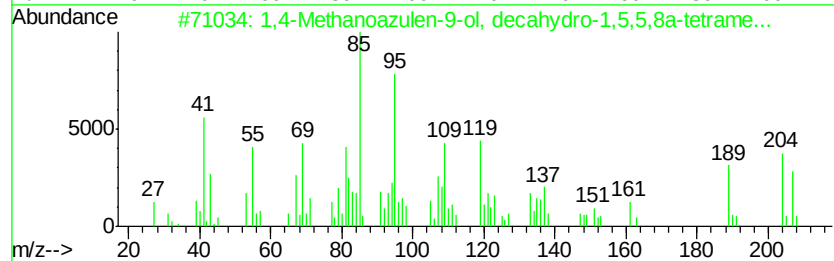
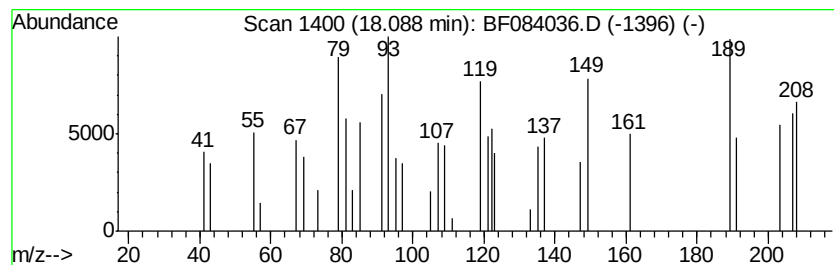
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown18.09 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	3.35 ng	49667	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Methanoazulen-9-ol, decahydr...	222	C15H26O	027551-75-3	32
2		5-Methoxy-2,3-dihydro-1-benzofur...	208	C11H12O4	093198-71-1	18
3		1,4-Methanoazulen-9-ol, decahydr...	222	C15H26O	000465-24-7	17
4		Humulen-(v1)	204	C15H24	1000159-39-4	12
5		Spiro[5.5]undec-2-ene, 3,7,7-tri...	204	C15H24	018431-82-8	12



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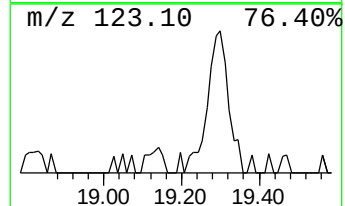
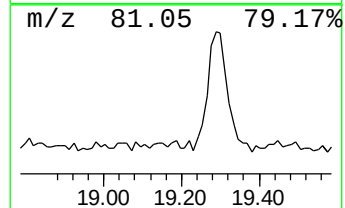
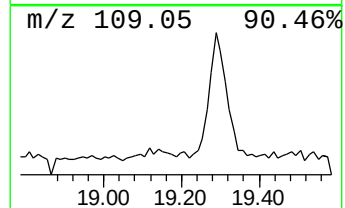
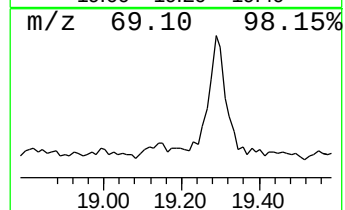
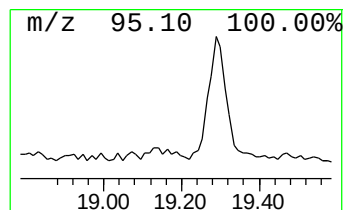
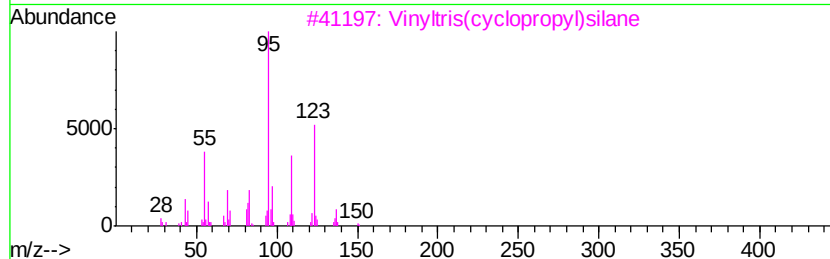
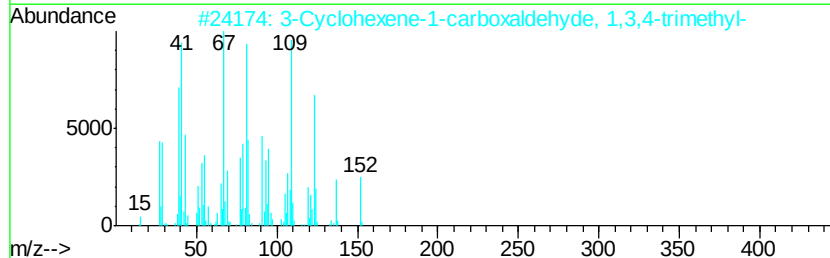
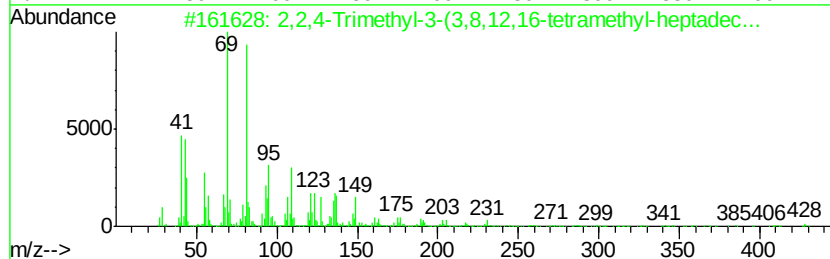
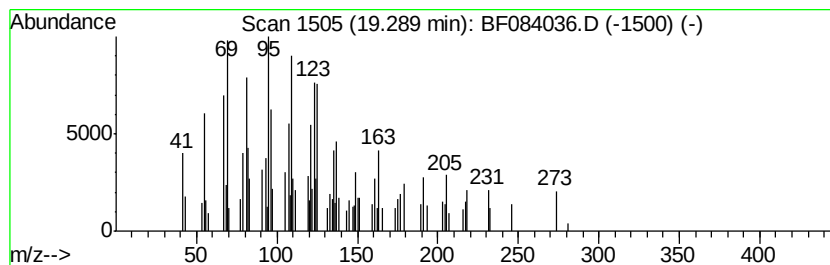
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 2,2,4-Trimethyl-3-(3,8,12,1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	13.94 ng	206729	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2,4-Trimethyl-3-(3,8,12,16-tet...	428	C30H52O	1000194-01-4	52
2		3-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	040702-26-9	27
3		Vinyltris(cyclopropyl)silane	178	C11H18Si	1000109-97-3	27
4		Ethyl methyl ethylphosphonate	152	C5H13O3P	005301-65-5	25
5		2,6,10,14,18-Pentamethyl-2,6,10,...	342	C25H42	075581-03-2	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
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 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-WEST

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	30.3	ng	407399	1	6.83	268873	20.0
unknown6.60	6.60	107.8	ng	1449260	1	6.83	268873	20.0
4H-Cyclopenta[def...	11.96	2.8	ng	74281	4	11.36	525974	20.0
Pyrene, 1-methyl-	13.12	2.2	ng	53127	5	13.99	492633	20.0
Pentafluoropropio...	13.84	6.2	ng	152316	5	13.99	492633	20.0
Heptacosane	14.16	2.3	ng	56139	5	13.99	492633	20.0
Heptafluorobutyri...	14.47	5.6	ng	137163	5	13.99	492633	20.0
Benzo[e]pyrene	15.30	3.6	ng	53680	6	15.41	296687	20.0
unknown15.63	15.63	2.3	ng	34590	6	15.41	296687	20.0
Octacosane	15.85	3.9	ng	57394	6	15.41	296687	20.0
Z-5-Nonadecene	15.89	2.3	ng	34013	6	15.41	296687	20.0
unknown17.08	17.08	3.6	ng	53828	6	15.41	296687	20.0
unknown17.35	17.35	2.9	ng	42302	6	15.41	296687	20.0
unknown17.41	17.41	3.6	ng	52781	6	15.41	296687	20.0
1,1,4a-Trimethyl-...	17.65	3.6	ng	53604	6	15.41	296687	20.0
unknown18.09	18.09	3.4	ng	49667	6	15.41	296687	20.0
2,2,4-Trimethyl-3...	19.29	13.9	ng	206729	6	15.41	296687	20.0