

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084035.D
 Acq On : 23 Dec 2015 13:08
 Operator : UM/SJ
 Sample : G4862-01
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-EAST

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	262399	380556	19.59%	1.891%
2	5.447	292	294	297	rBV	1235920	1258229	64.78%	6.252%
3	6.476	382	384	387	rBV	957495	1338204	68.90%	6.649%
4	6.602	393	395	398	rBV	1491267	1353852	69.71%	6.727%
5	6.830	413	415	417	rBV	250014	245579	12.64%	1.220%
6	6.990	426	429	431	rBV	985982	1234652	63.57%	6.134%
7	7.390	462	464	467	rBV	791572	815997	42.01%	4.054%
8	8.110	525	527	530	rBV	406090	345049	17.77%	1.714%
9	9.196	619	622	624	rBV	1726097	1942177	100.00%	9.650%
10	9.585	654	656	658	rVB	388924	317157	16.33%	1.576%
11	9.871	678	681	683	rBV	304272	376001	19.36%	1.868%
12	10.659	747	750	752	rBV	1137376	1135549	58.47%	5.642%
13	10.774	759	760	765	rVB	39644	51127	2.63%	0.254%
14	11.219	795	799	801	rBV	96633	96210	4.95%	0.478%
15	11.276	803	804	806	rVB	48182	34109	1.76%	0.169%
16	11.345	808	810	814	rVV	311544	516567	26.60%	2.567%
17	11.425	814	817	819	rVB	43768	46381	2.39%	0.230%
18	11.585	828	831	835	rBV	19444	28917	1.49%	0.144%
19	11.848	852	854	856	rBV2	45155	58470	3.01%	0.291%
20	11.882	856	857	859	rVV	65481	51124	2.63%	0.254%
21	11.962	862	864	868	rVB2	81675	116112	5.98%	0.577%
22	12.145	877	880	881	rBV2	24292	30211	1.56%	0.150%
23	12.397	900	902	904	rBV	44038	57438	2.96%	0.285%
24	12.442	904	906	909	rVV	30844	54647	2.81%	0.272%
25	12.488	909	910	912	rVV2	45904	43218	2.23%	0.215%
26	12.557	914	916	919	rBV	238494	288707	14.87%	1.434%
27	12.625	919	922	924	rVB	26907	36410	1.87%	0.181%
28	12.785	931	936	939	rBV	291347	383781	19.76%	1.907%
29	12.842	939	941	943	rVB3	23263	33699	1.74%	0.167%
30	12.934	946	949	952	rVB	1508471	1613125	83.06%	8.015%
31	13.014	953	956	959	rBV2	29362	53446	2.75%	0.266%
32	13.117	962	965	967	rBV	48794	85905	4.42%	0.427%
33	13.185	967	971	972	rVV2	39088	67526	3.48%	0.336%
34	13.219	972	974	978	rVB2	46327	66252	3.41%	0.329%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.311	981	982	984	rBV	30481	35302	1.82%	0.175%
36	13.345	984	985	987	rVB	34727	28725	1.48%	0.143%
37	13.517	997	1000	1006	rBV3	18351	58729	3.02%	0.292%
38	13.631	1006	1010	1012	rBV2	50266	64597	3.33%	0.321%
39	13.734	1016	1019	1023	rVV3	31156	73171	3.77%	0.364%
40	13.791	1023	1024	1026	rVV2	18888	27184	1.40%	0.135%
41	13.837	1026	1028	1037	rVB3	181396	304725	15.69%	1.514%
42	13.985	1037	1041	1046	rBV2	390695	651317	33.54%	3.236%
43	14.088	1048	1050	1051	rBV2	16005	22846	1.18%	0.114%
44	14.157	1052	1056	1059	rVV3	43492	83661	4.31%	0.416%
45	14.271	1065	1066	1071	rBV4	26930	73842	3.80%	0.367%
46	14.374	1073	1075	1077	rVB	40492	47638	2.45%	0.237%
47	14.408	1077	1078	1081	rBV	20625	24686	1.27%	0.123%
48	14.465	1081	1083	1085	rVV	269283	313194	16.13%	1.556%
49	14.500	1085	1086	1090	rVB3	31649	66811	3.44%	0.332%
50	14.694	1101	1103	1107	rBV3	10295	20718	1.07%	0.103%
51	14.751	1107	1108	1113	rVV3	20611	48125	2.48%	0.239%
52	14.865	1116	1118	1119	rBV	16743	25966	1.34%	0.129%
53	14.888	1119	1120	1124	rVV3	49411	63361	3.26%	0.315%
54	15.014	1128	1131	1135	rBV	115074	244450	12.59%	1.215%
55	15.083	1135	1137	1138	rVV	98592	152345	7.84%	0.757%
56	15.105	1138	1139	1142	rVV2	70685	105769	5.45%	0.526%
57	15.151	1142	1143	1145	rVB	26738	27161	1.40%	0.135%
58	15.300	1153	1156	1159	rVB	73013	90906	4.68%	0.452%
59	15.357	1159	1161	1164	rVB	78414	106232	5.47%	0.528%
60	15.414	1164	1166	1174	rBV2	185382	317037	16.32%	1.575%
61	15.528	1174	1176	1179	rVB4	13841	22417	1.15%	0.111%
62	15.631	1182	1185	1188	rVV2	65600	98757	5.08%	0.491%
63	15.745	1192	1195	1200	rVB3	18128	52175	2.69%	0.259%
64	15.848	1201	1204	1206	rBV	50764	78518	4.04%	0.390%
65	15.905	1206	1209	1212	rBV2	35780	76612	3.94%	0.381%
66	15.963	1212	1214	1216	rVB2	26696	35232	1.81%	0.175%
67	16.100	1224	1226	1229	rVB2	14061	24895	1.28%	0.124%
68	16.603	1266	1270	1272	rBV	48105	94778	4.88%	0.471%
69	16.683	1275	1277	1284	rVB4	13057	45070	2.32%	0.224%
70	16.831	1284	1290	1294	rBV	52096	132016	6.80%	0.656%
71	16.957	1298	1301	1307	rVV5	37855	132777	6.84%	0.660%

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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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72	17.060	1307	1310	1319	rVB7	26586	109972	5.66%	0.546%
73	17.266	1325	1328	1332	rBV	30423	69876	3.60%	0.347%
74	17.357	1332	1336	1338	rVV3	20316	49001	2.52%	0.243%
75	17.414	1338	1341	1348	rVB5	39635	97748	5.03%	0.486%
76	17.654	1358	1362	1365	rBV3	40482	98531	5.07%	0.490%
77	17.871	1377	1381	1385	rVB4	36183	86640	4.46%	0.430%
78	18.100	1396	1401	1415	rVV	193239	619816	31.91%	3.080%
79	18.317	1416	1420	1425	rVB5	14327	45381	2.34%	0.225%
80	18.569	1439	1442	1448	rVB6	9172	30737	1.58%	0.153%
81	19.140	1487	1492	1497	rBV7	8227	32713	1.68%	0.163%
82	19.300	1499	1506	1515	rVV2	126964	419970	21.62%	2.087%
83	19.460	1515	1520	1527	rVB4	9729	37989	1.96%	0.189%

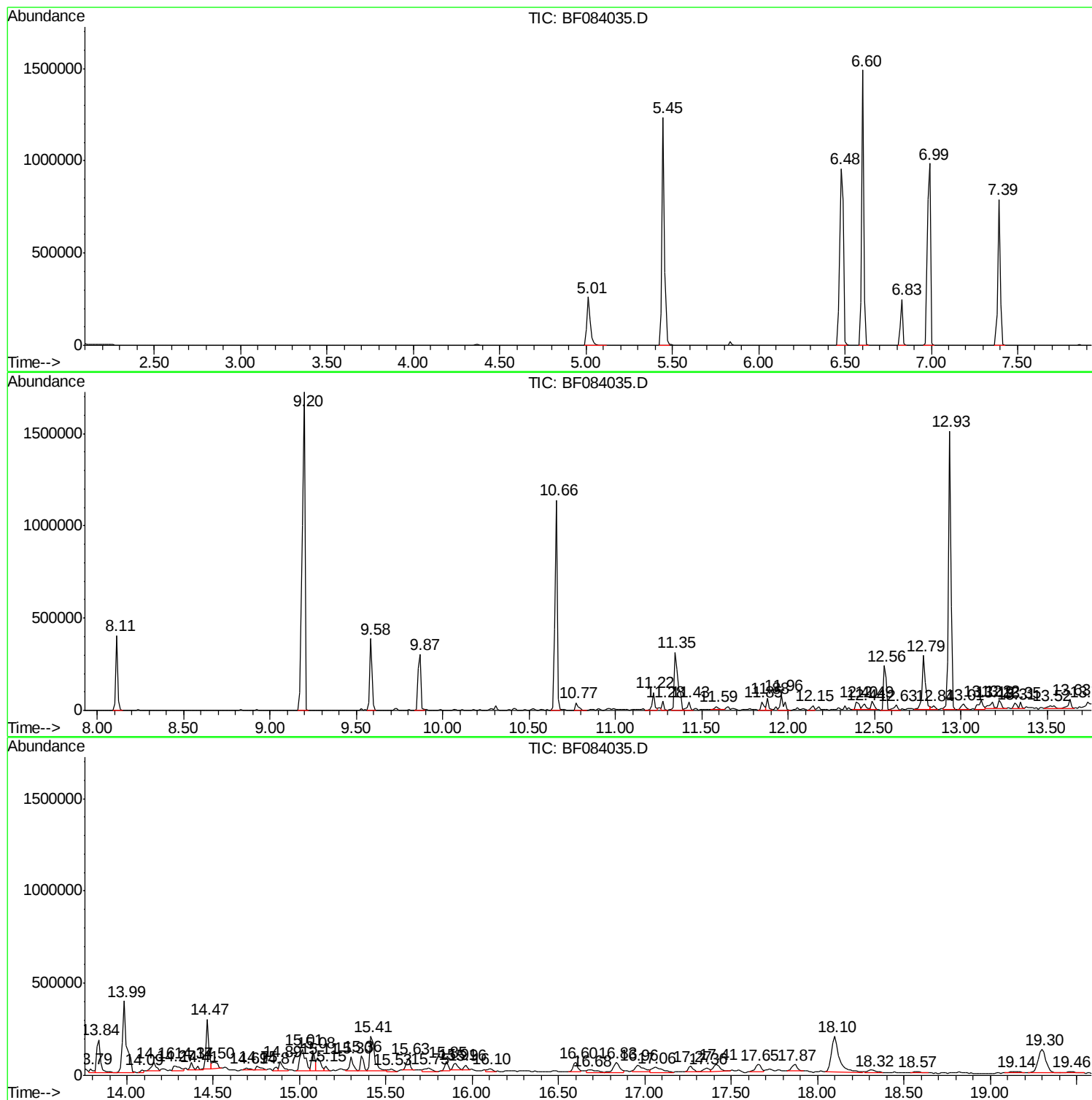
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Instrument :
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ClientSampled :
AST-HC-EAST

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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Data File : BF084035.D
Acq On : 23 Dec 2015 13:08
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Misc :
ALS Vial : 41 Sample Multiplier: 1

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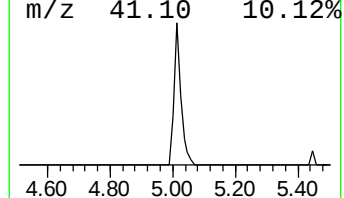
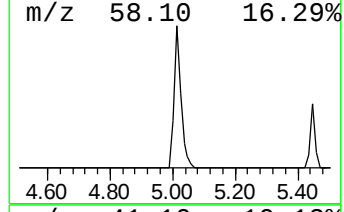
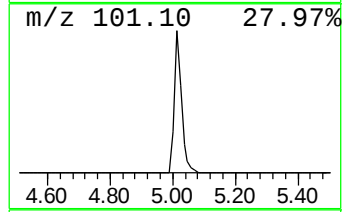
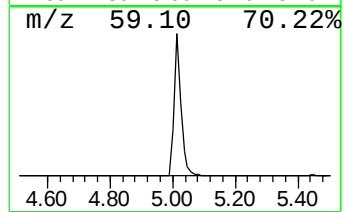
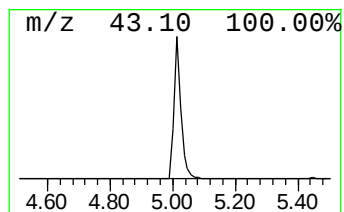
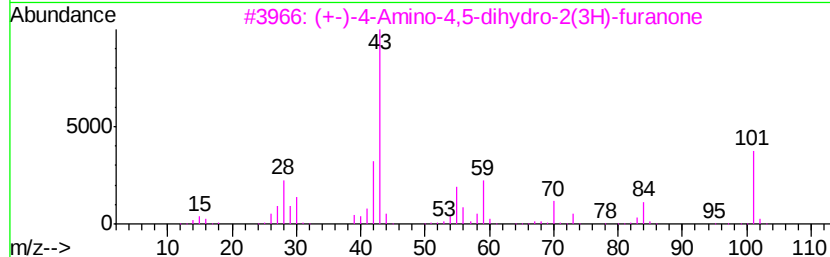
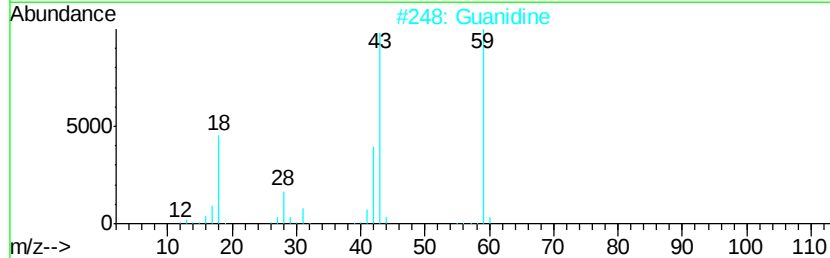
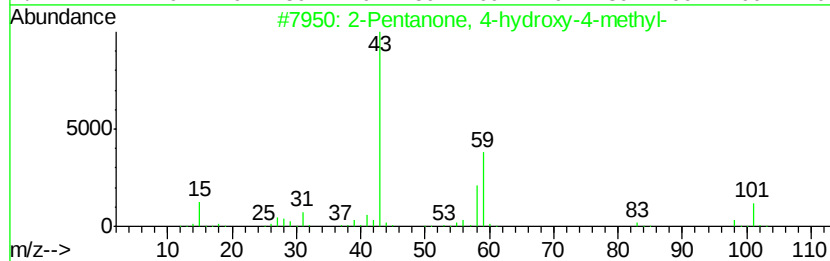
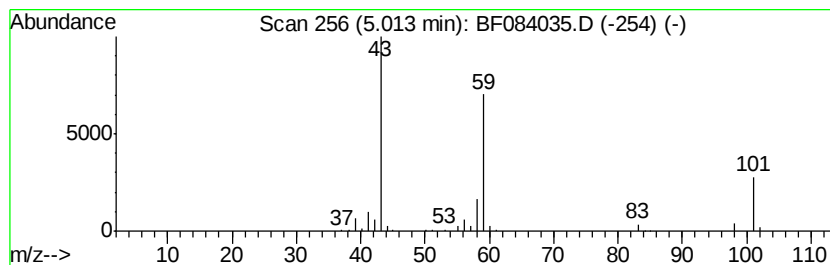
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	30.99 ng	380556	1,4-Dichlorobenzene-d4	6.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Guanidine	59	CH5N3	000113-00-8	43
3			(+)-4-Amino-4,5-dihydro-2(3H)-furanone	101	C4H7NO2	016504-58-8	38
4			Acetic acid, cyano-, 1,1-dimethyl-	141	C7H11NO2	001116-98-9	25
5			Acetone	58	C3H6O	000067-64-1	10



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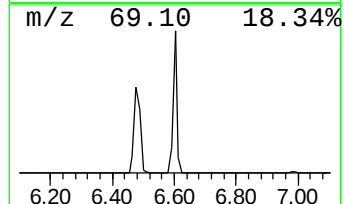
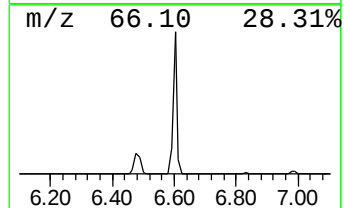
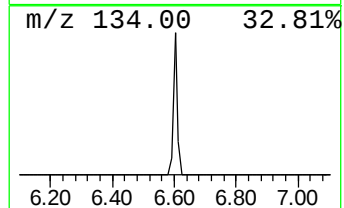
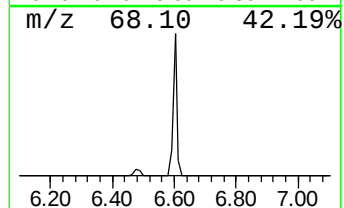
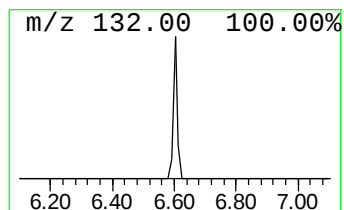
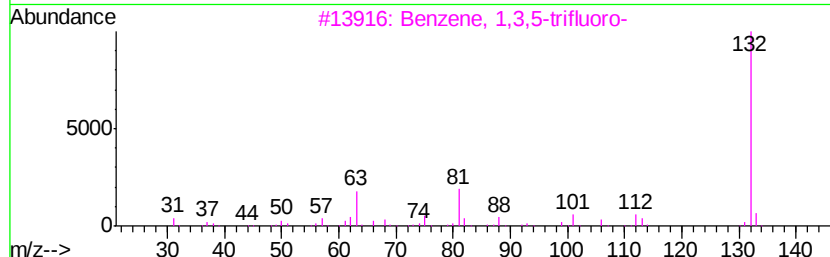
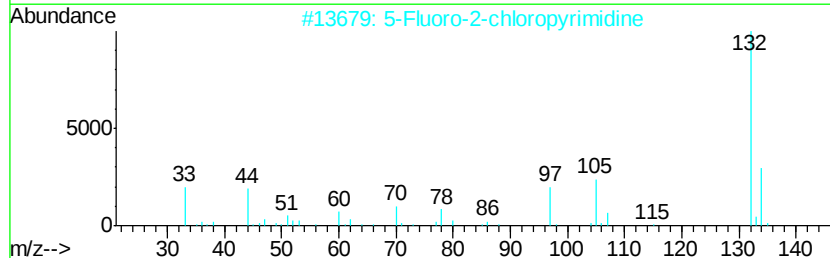
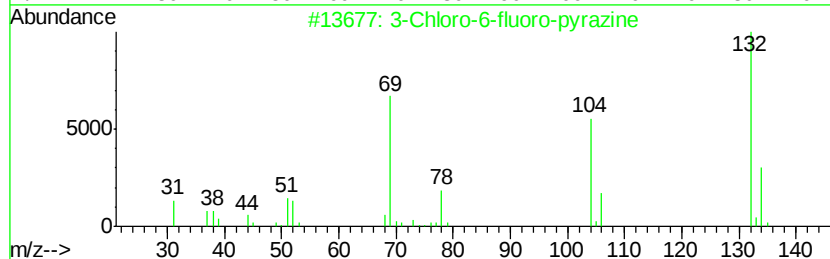
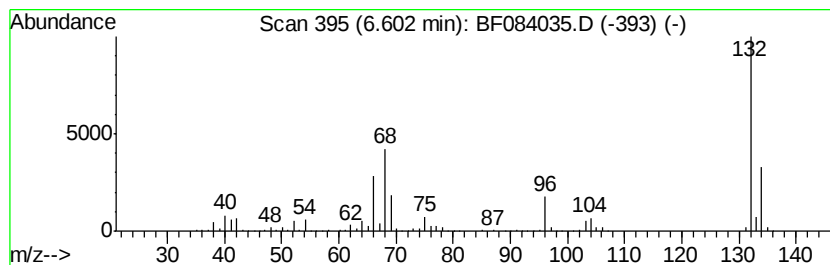
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	110.26 ng	1353850	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		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	14
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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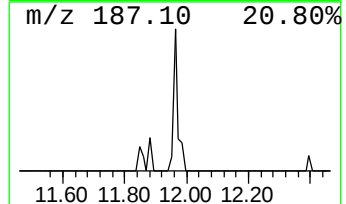
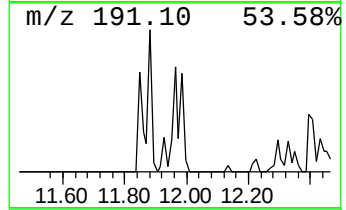
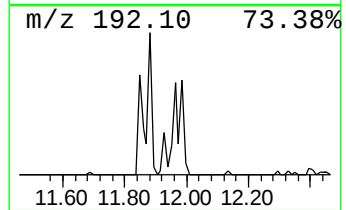
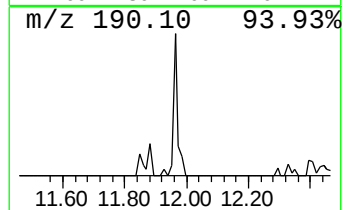
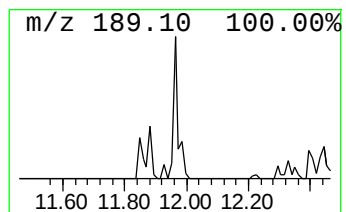
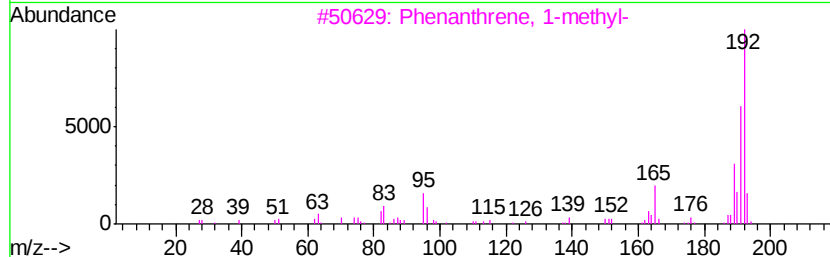
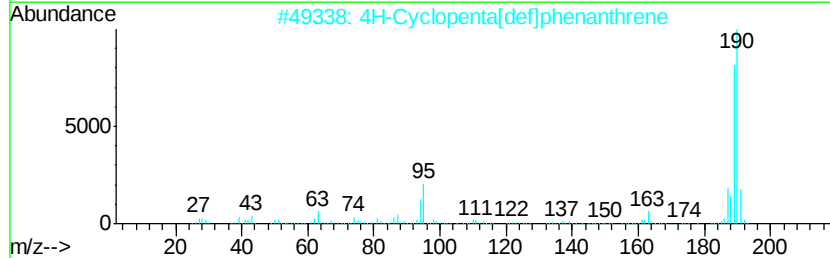
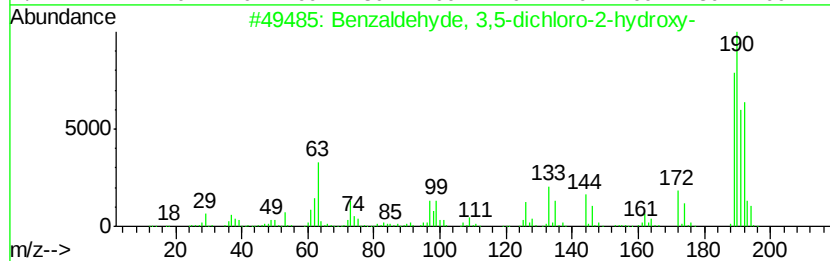
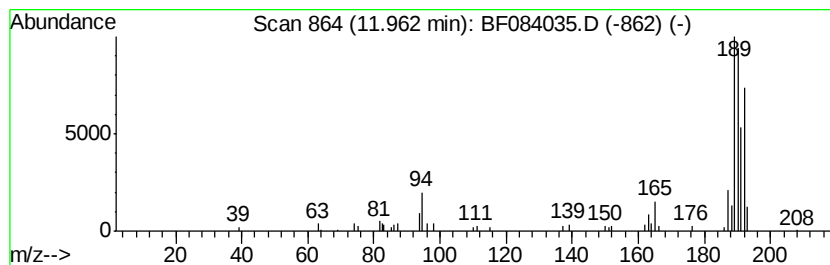
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzaldehyde, 3,5-dichloro-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	4.50 ng	116112	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehydve, 3,5-dichloro-2-hvd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	30



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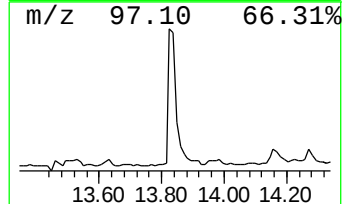
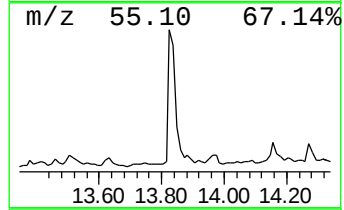
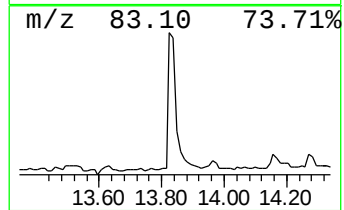
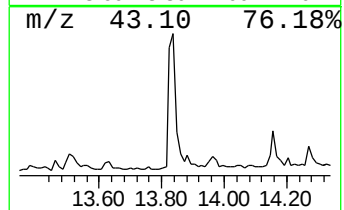
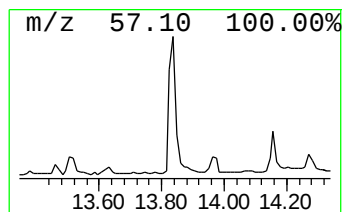
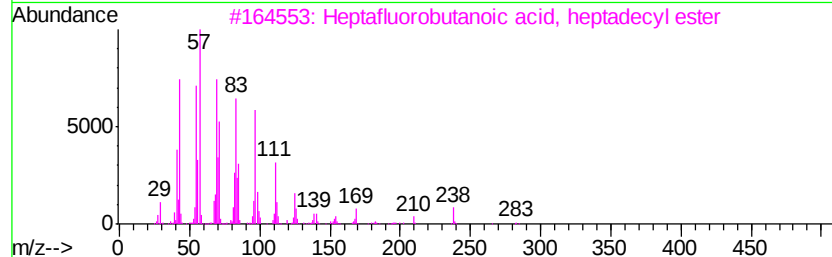
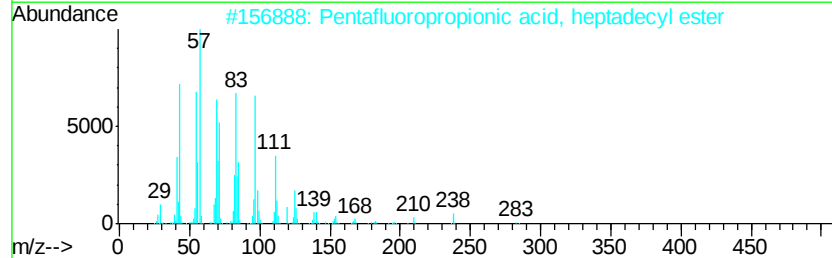
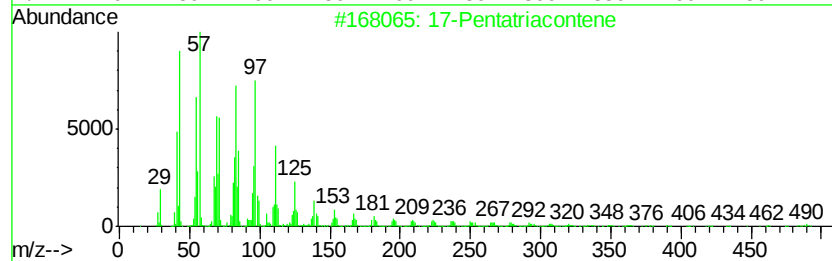
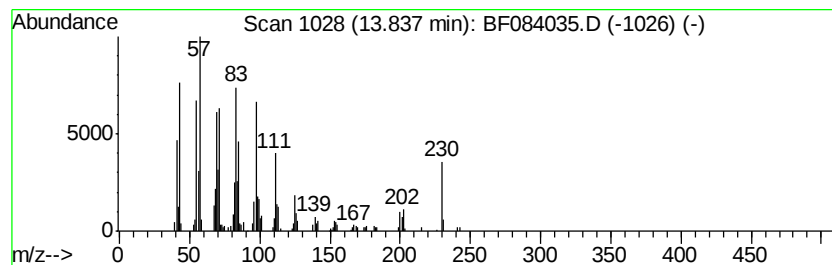
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 17-Pentatriacontene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	9.36 ng	304725	Chrysene-d12	13.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		17-Pentatriacontene	491	C35H70	006971-40-0	81
2		Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	81
3		Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	76
4		Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	76
5		1-Nonadecene	266	C19H38	018435-45-5	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
Data File : BF084035.D
Acq On : 23 Dec 2015 13:08
Operator : UM/SJ
Sample : G4862-01
Misc :
ALS Vial : 41 Sample Multiplier: 1

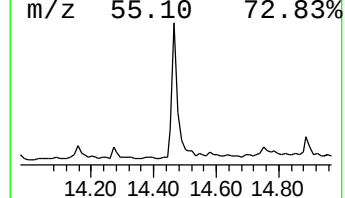
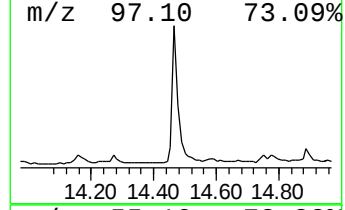
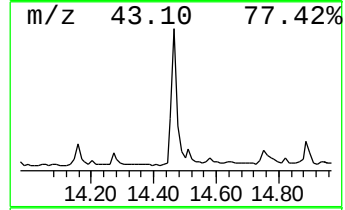
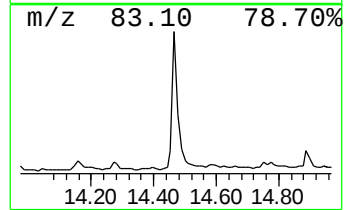
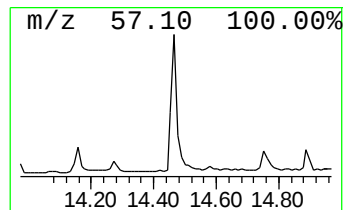
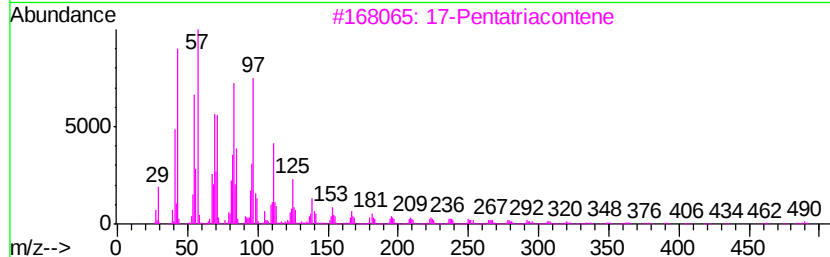
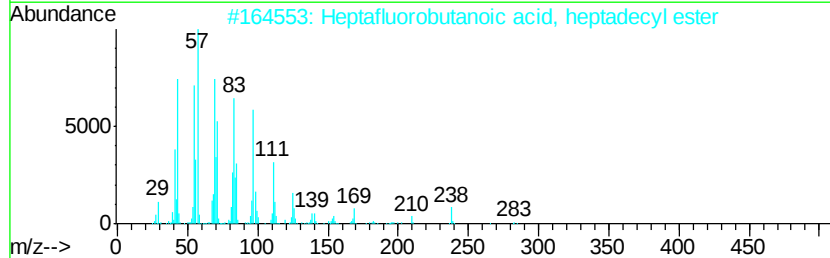
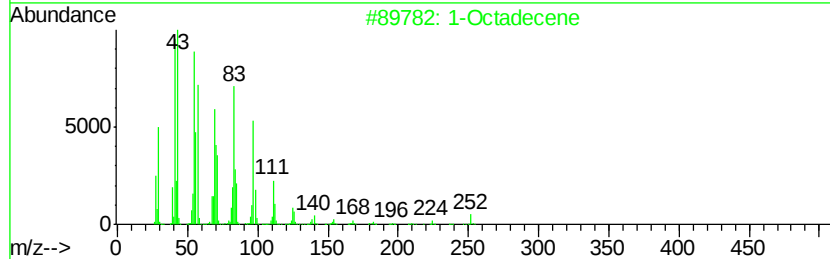
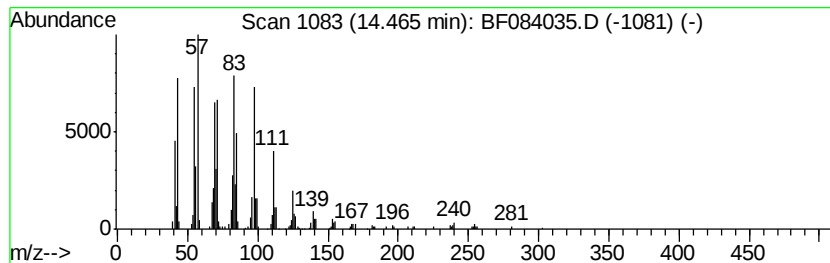
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Octadecene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	9.62 ng	313194	Chrysene-d12	13.99
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Octadecene	252 C18H36	000112-88-9	91
2	Heptafluorobutanoic acid, heptad...	452 C21H35F7O2	1000282-97-3	91
3	17-Pentatriacontene	491 C35H70	006971-40-0	91
4	13-Tetradecen-1-ol acetate	254 C16H30O2	056221-91-1	90
5	1-Hexadecanesulfonyl chloride	324 C16H33ClO2S	038775-38-1	90



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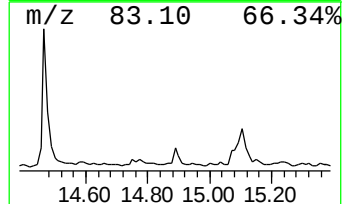
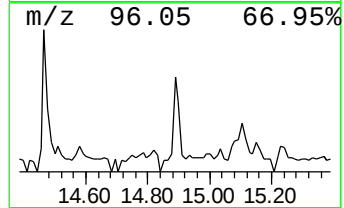
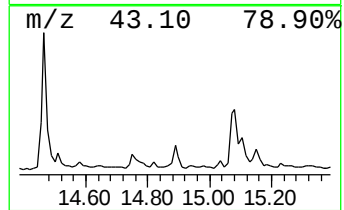
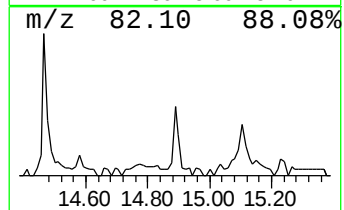
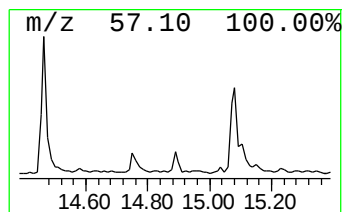
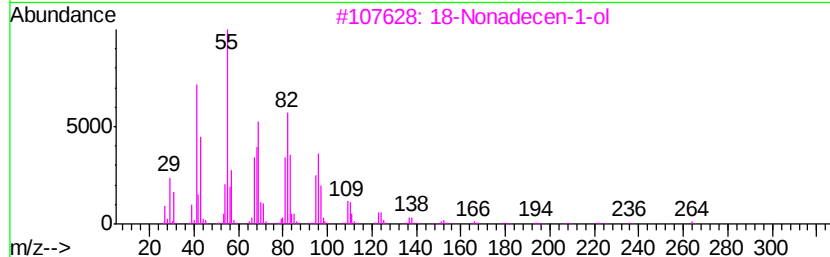
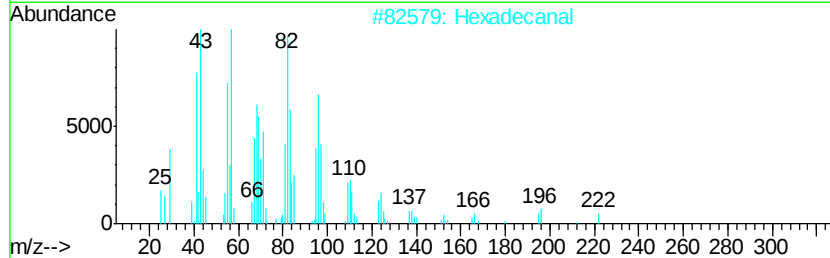
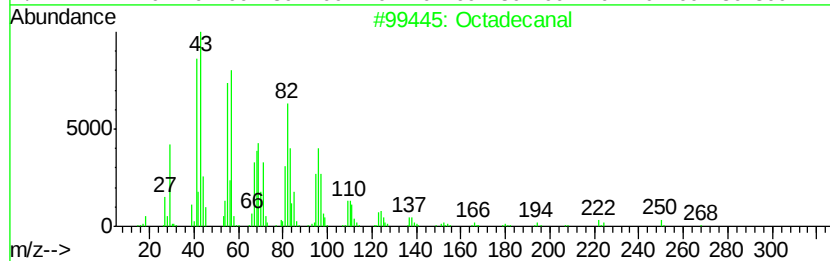
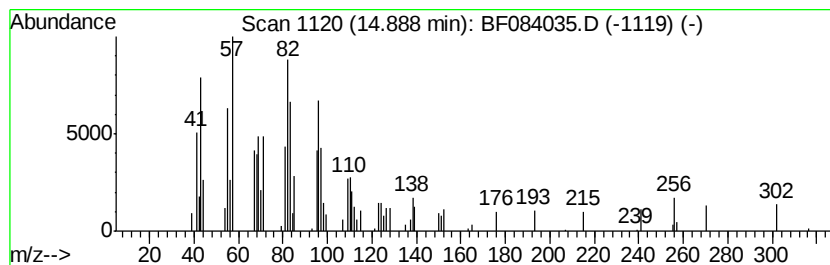
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecanal Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	4.00 ng	63361	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanal	268	C18H36O	000638-66-4	91
2		Hexadecanal	240	C16H32O	000629-80-1	91
3		18-Nonadecen-1-ol	282	C19H38O	1000142-89-2	87
4		1,19-Eicosadiene	278	C20H38	014811-95-1	87
5		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
Data File : BF084035.D
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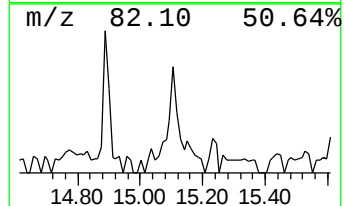
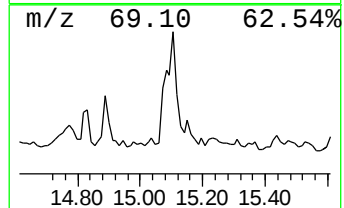
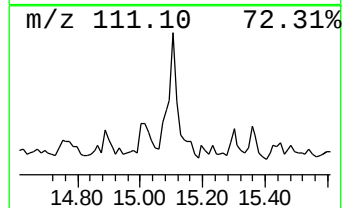
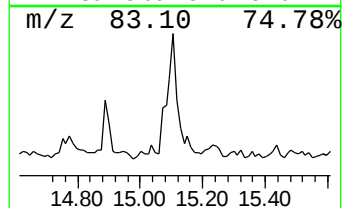
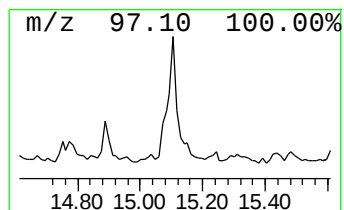
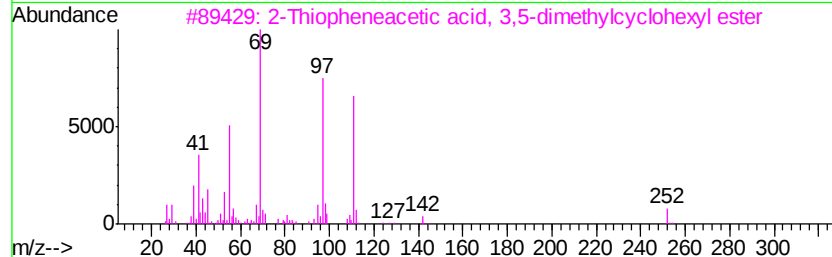
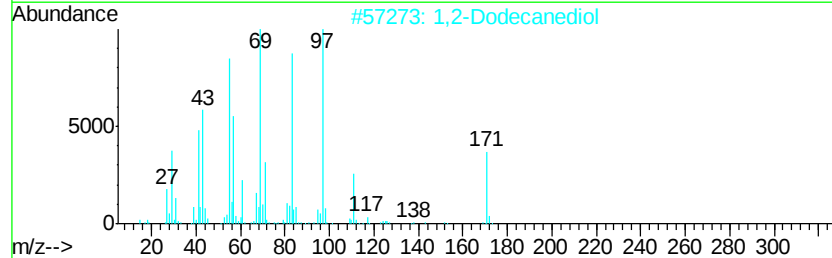
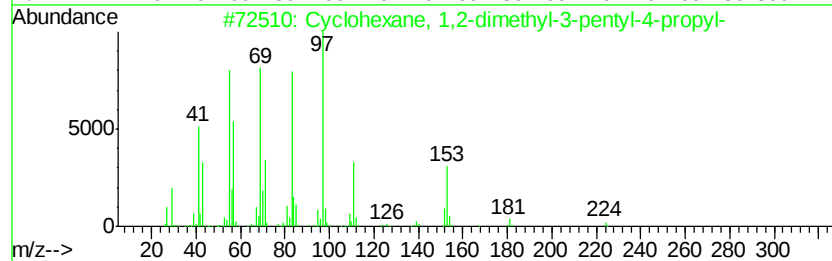
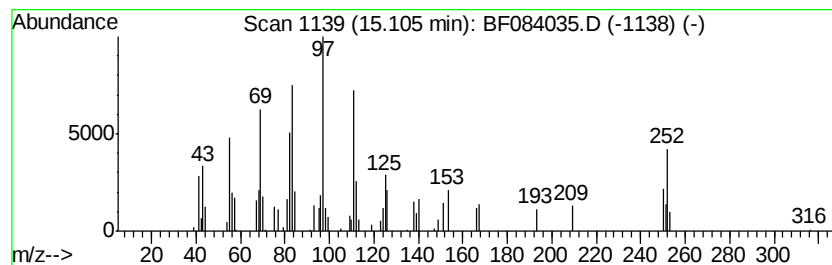
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown15.11 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	6.67 ng	105769	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	43
2		1,2-Dodecanediol	202	C12H26O2	001119-87-5	38
3		2-Thiopheneacetic acid, 3,5-dime...	252	C14H20O2S	1000278-92-2	38
4		2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	35
5		Cyclohexanecarboxylic acid, 2-tr...	310	C20H38O2	1000280-59-3	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
Data File : BF084035.D
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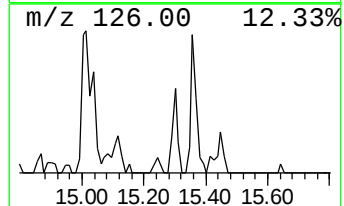
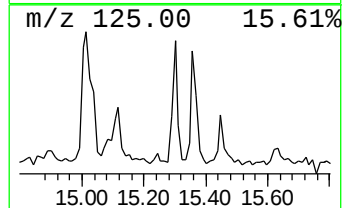
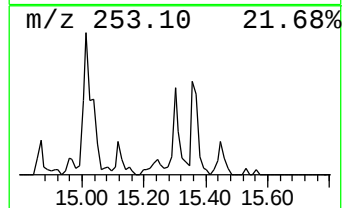
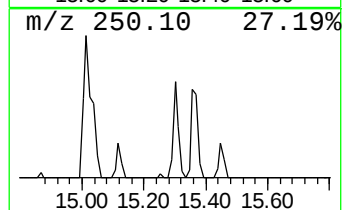
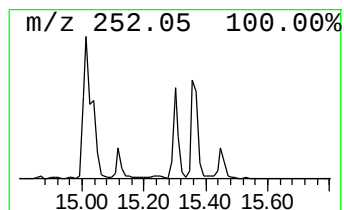
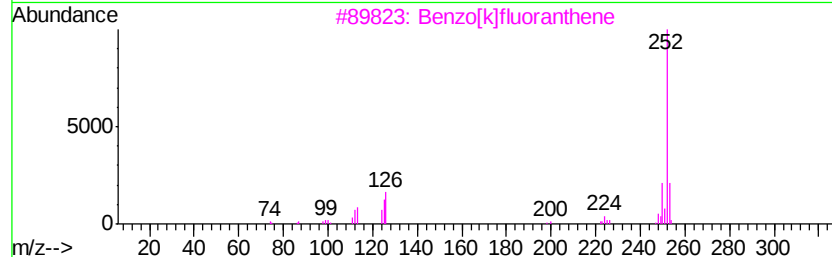
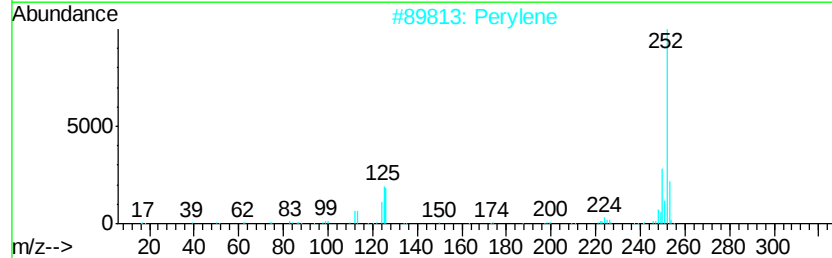
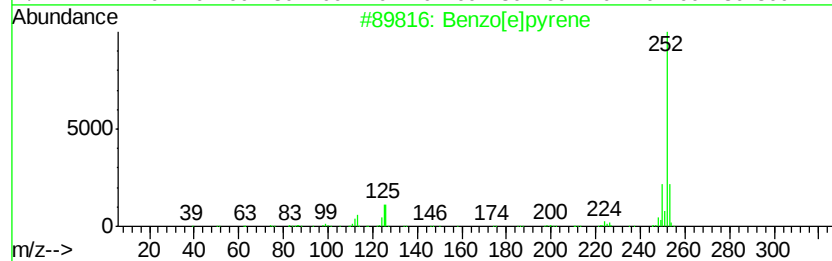
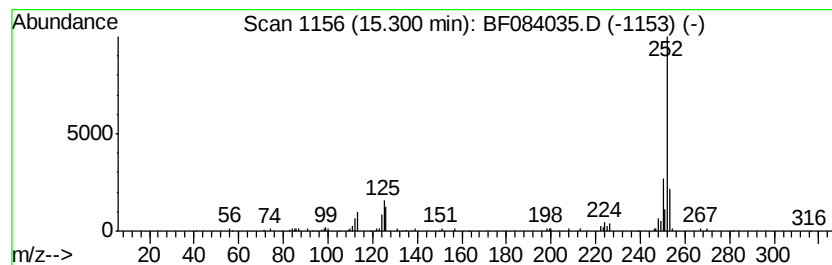
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	5.73 ng	90906	Perylene-d12	15.41

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
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Acq On : 23 Dec 2015 13:08
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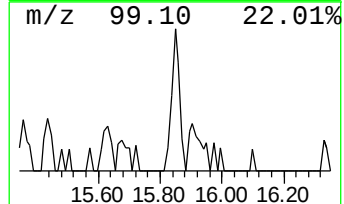
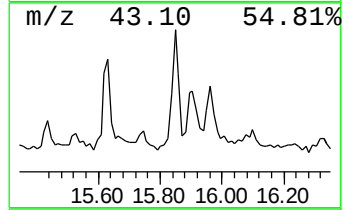
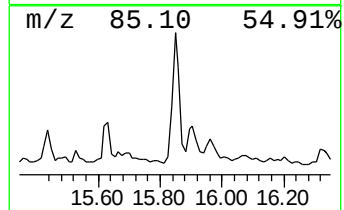
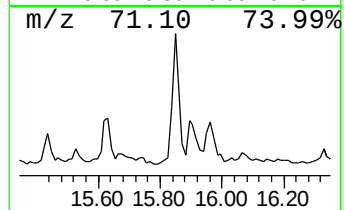
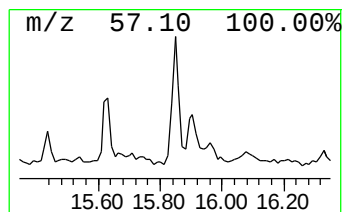
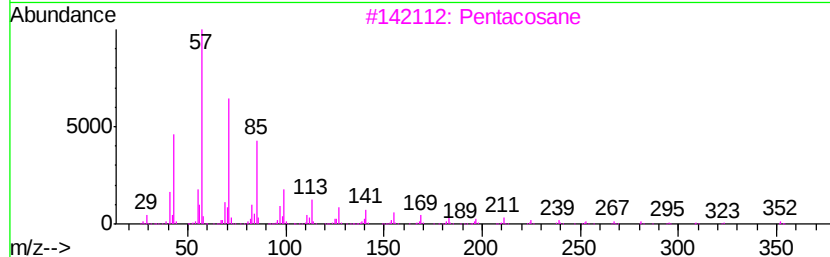
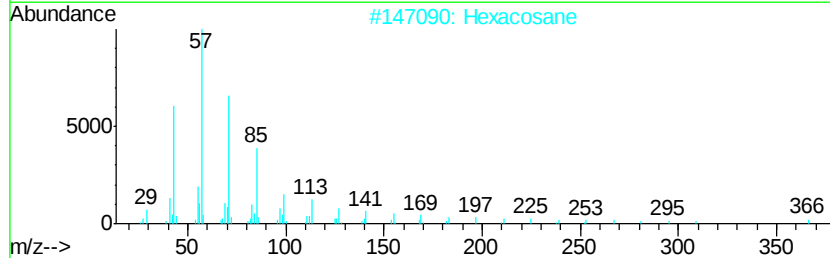
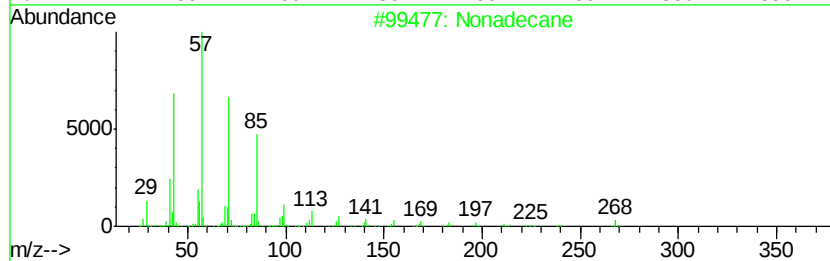
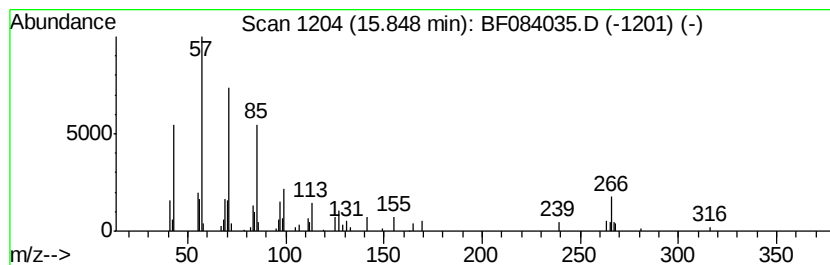
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Nonadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	4.95 ng	78518	Perylene-d12	15.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	93
2			Hexacosane	366	C26H54	000630-01-3	87
3			Pentacosane	352	C25H52	000629-99-2	87
4			Heneicosane	296	C21H44	000629-94-7	87
5			Octacosane	394	C28H58	000630-02-4	87



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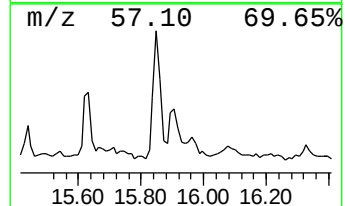
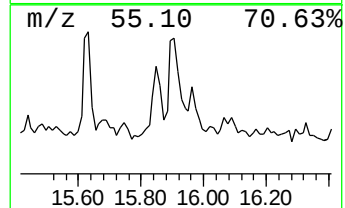
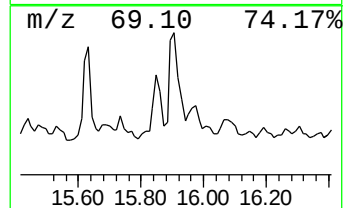
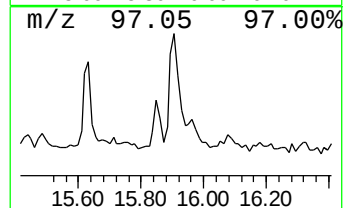
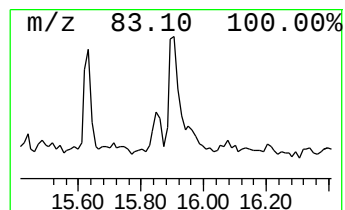
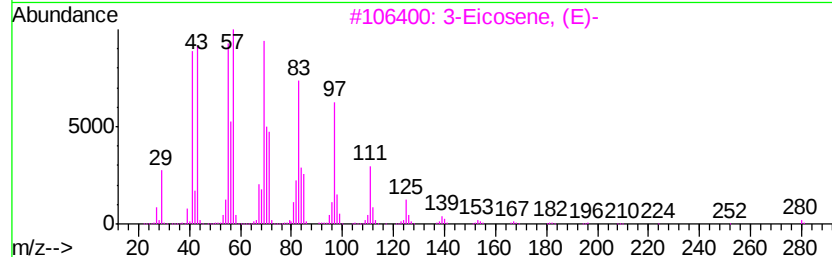
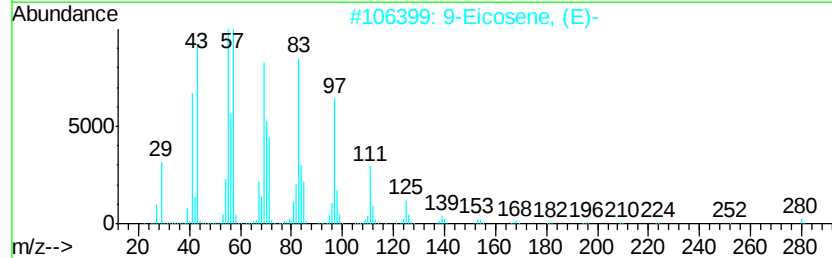
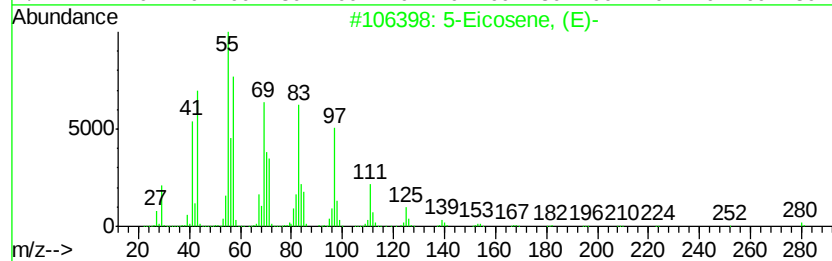
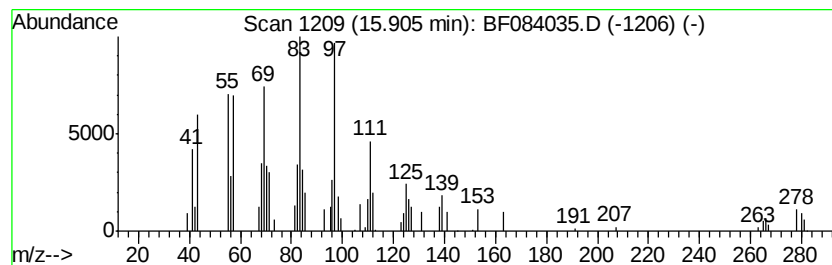
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 5-Eicosene, (E)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	4.83 ng	76612	Perylene-d12	15.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Eicosene, (E)-	280	C20H40	074685-30-6	96
2			9-Eicosene, (E)-	280	C20H40	074685-29-3	95
3			3-Eicosene, (E)-	280	C20H40	074685-33-9	93
4			Bacteriochlorophyll-c-stearyl	841	C52H72MnN4O4	1000164-49-7	90
5			1-Eicosene	280	C20H40	003452-07-1	89



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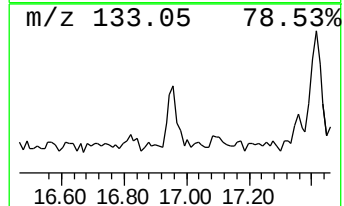
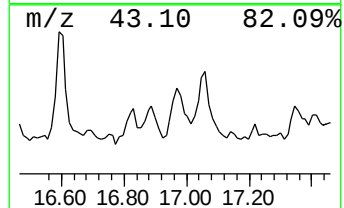
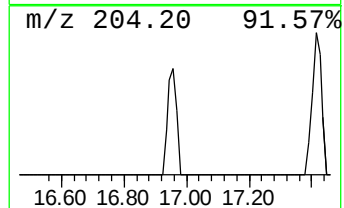
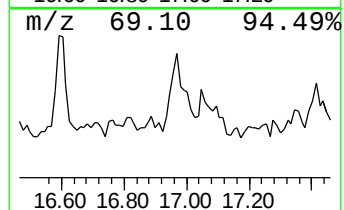
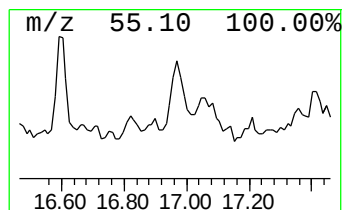
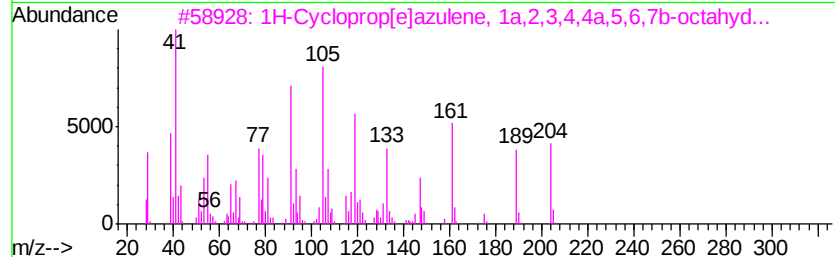
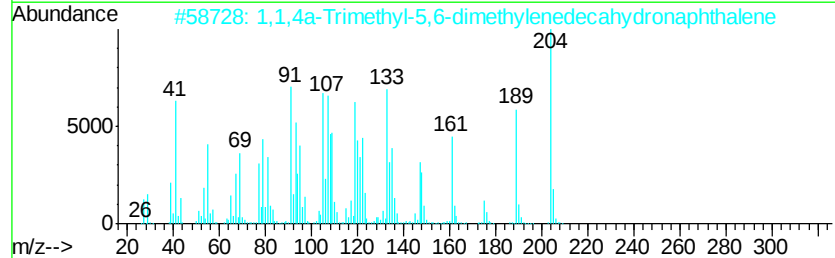
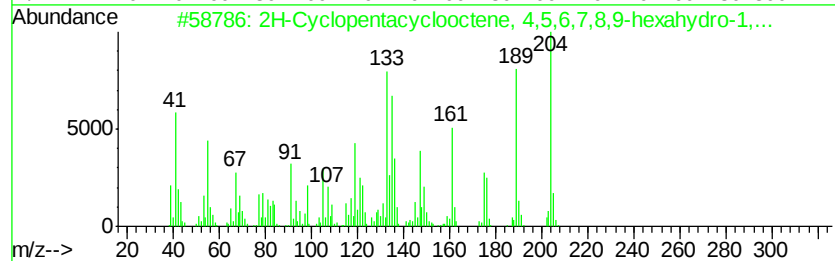
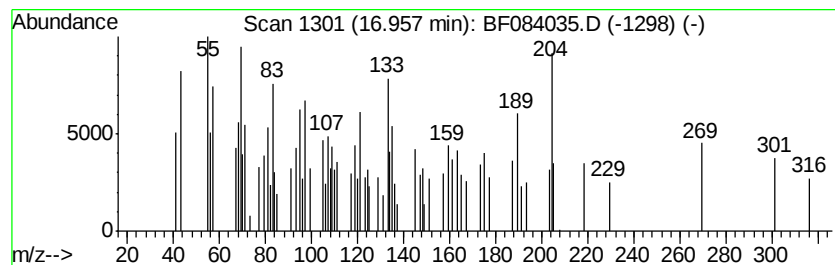
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 2H-Cyclopentacyclooctene, 4... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	8.38 ng	132777	Perylene-d12	15.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	90
2			1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	64
3			1H-Cycloprop[elazulene, 1a,2,3,4...	204	C15H24	000489-40-7	46
4			1H-3a,7-Methanoazulene, octahydr...	204	C15H24	000508-55-4	38
5			1H-Cycloprop[e]azulene, decahydr...	204	C15H24	000489-39-4	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
Data File : BF084035.D
Acq On : 23 Dec 2015 13:08
Operator : UM/SJ
Sample : G4862-01
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AST-HC-EAST

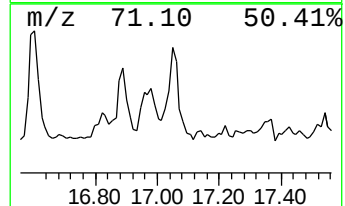
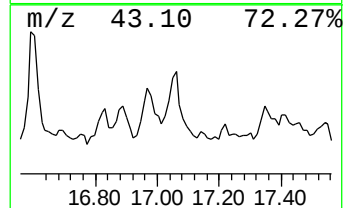
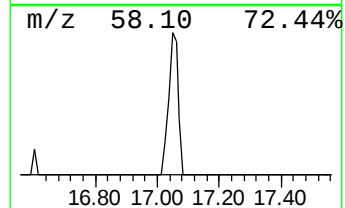
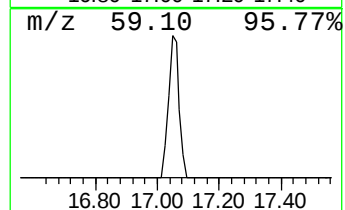
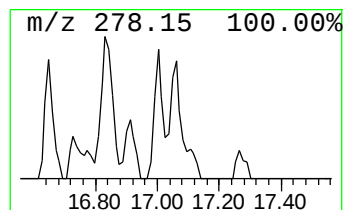
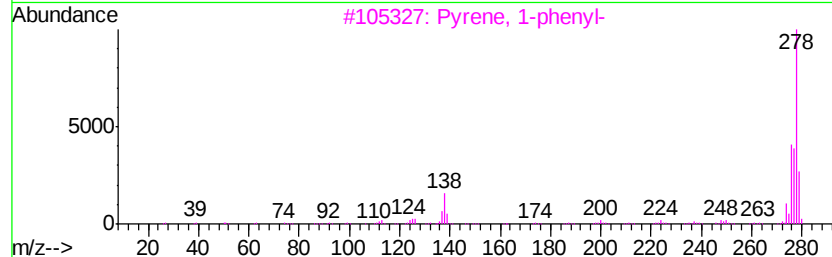
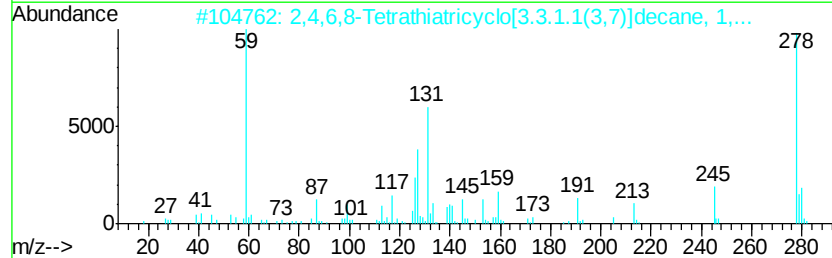
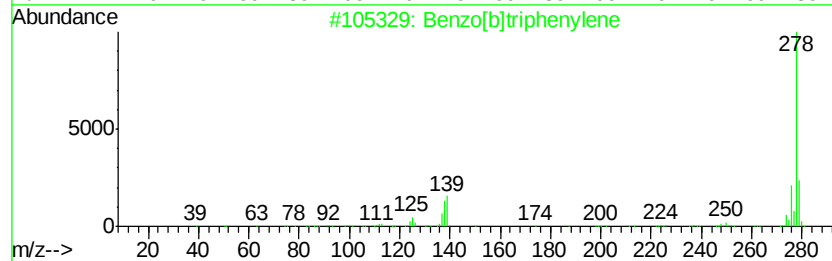
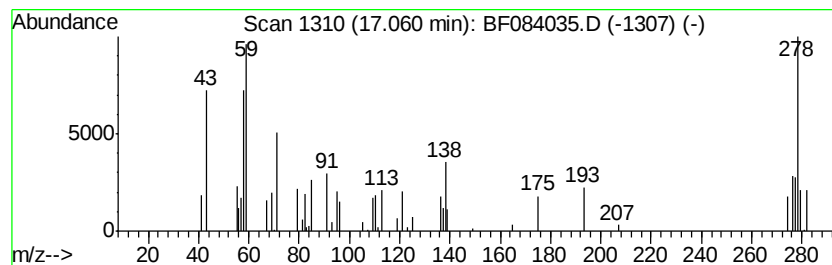
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown17.06 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	6.94 ng	109972	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	38
2		2,4,6,8-Tetrathiatricyclo[3.3.1....	278	C11H18S4	017749-59-6	37
3		Pvrene, 1-phenyl-	278	C22H14	005101-27-9	35
4		1-Butaneboronic acid, cyclic dip...	278	C18H19B02	024371-99-1	27
5		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	23



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084035.D
Acq On : 23 Dec 2015 13:08
Operator : UM/SJ
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Misc :
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Instrument :
BNA_F
ClientSampleId :
AST-HC-EAST

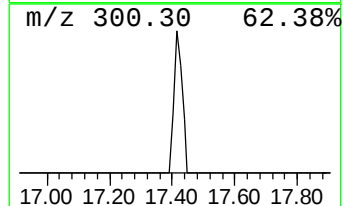
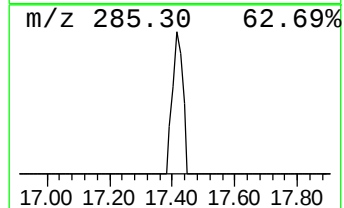
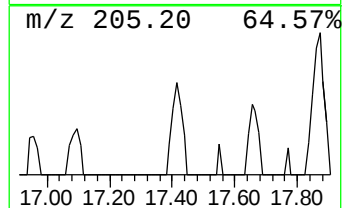
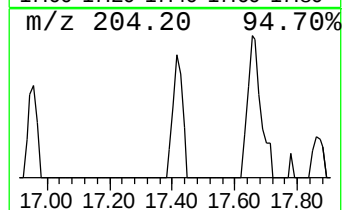
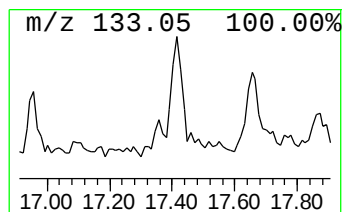
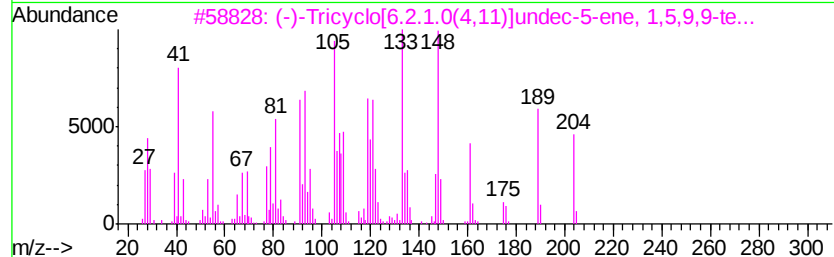
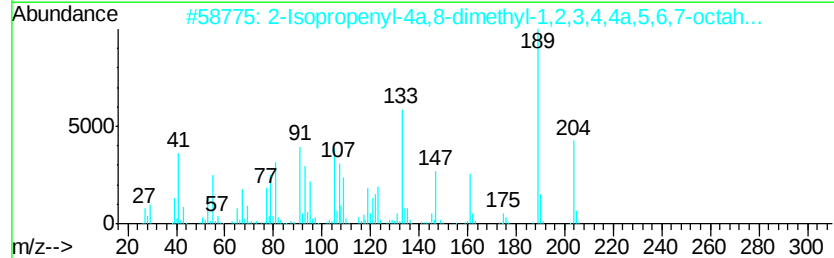
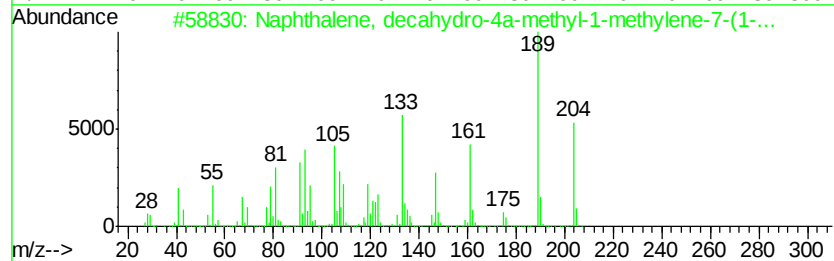
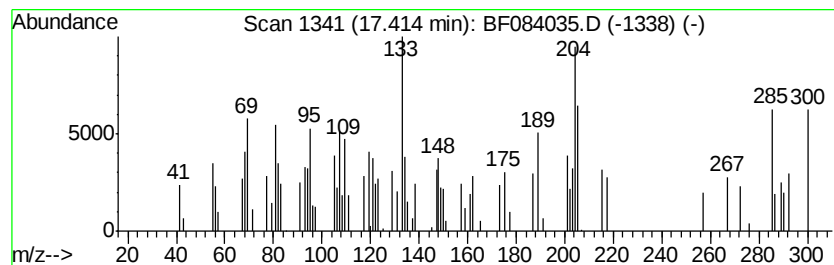
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown17.41 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	6.17 ng	97748	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-4a-methyl...	204	C15H24	000515-17-3	42
2		2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000192-43-5	41
3		(-)-Tricyclo[6.2.1.0(4,11)]undec...	204	C15H24	1000154-06-7	27
4		.delta.-Selinene	204	C15H24	028624-23-9	25
5		2-Methylthio-1,4-naphthoquinone	204	C11H8O2S	026037-60-5	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
Data File : BF084035.D
Acq On : 23 Dec 2015 13:08
Operator : UM/SJ
Sample : G4862-01
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AST-HC-EAST

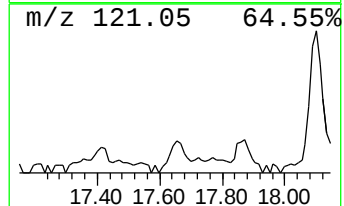
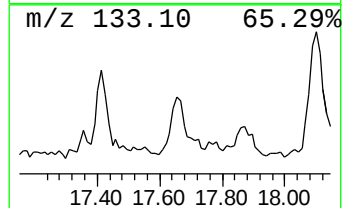
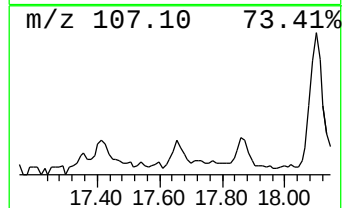
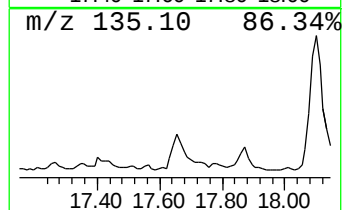
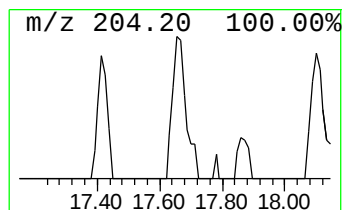
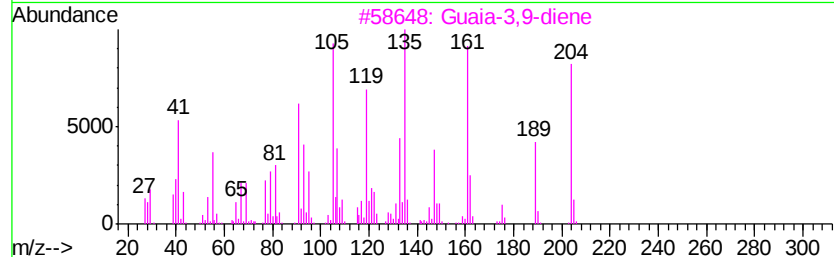
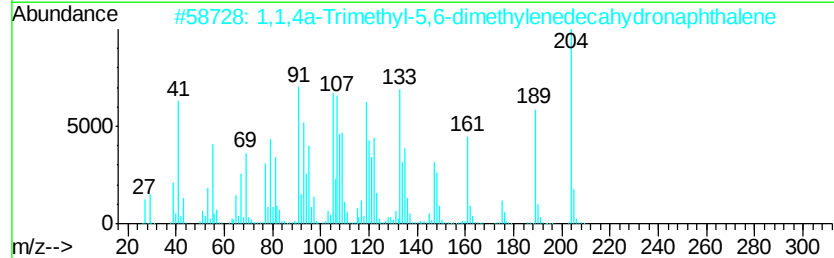
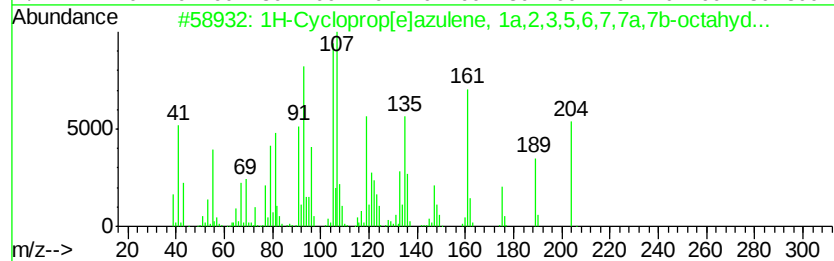
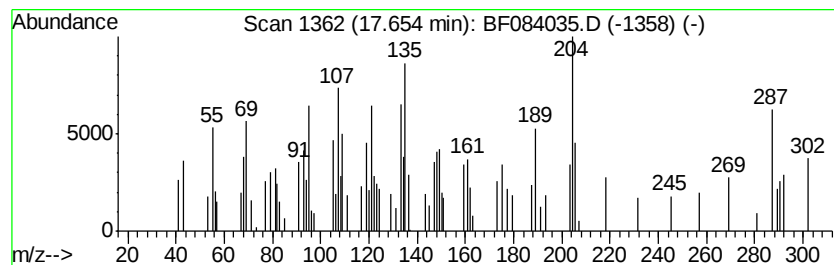
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1H-Cycloprop[e]azulene, 1a,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	6.22 ng	98531	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cycloprop[elazulene, 1a,2,3,5...	204	C15H24	021747-46-6	70
2		1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	45
3		Guaia-3,9-diene	204	C15H24	000489-83-8	45
4		Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	45
5		2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084035.D
Acq On : 23 Dec 2015 13:08
Operator : UM/SJ
Sample : G4862-01
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
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AST-HC-EAST

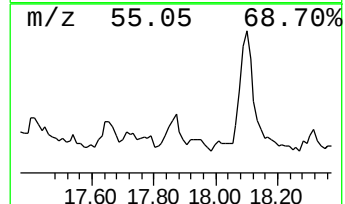
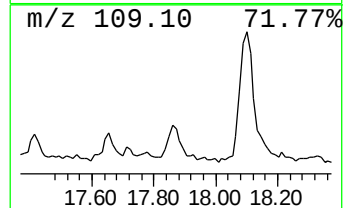
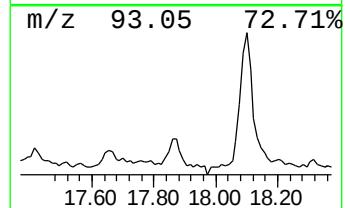
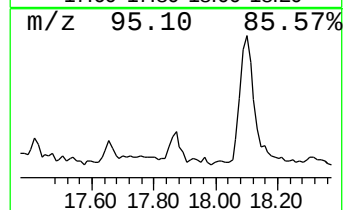
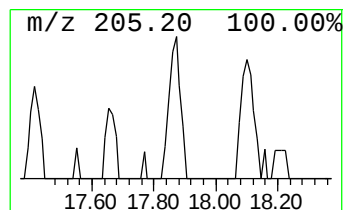
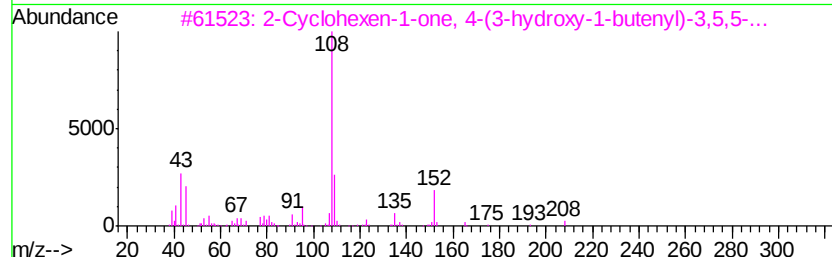
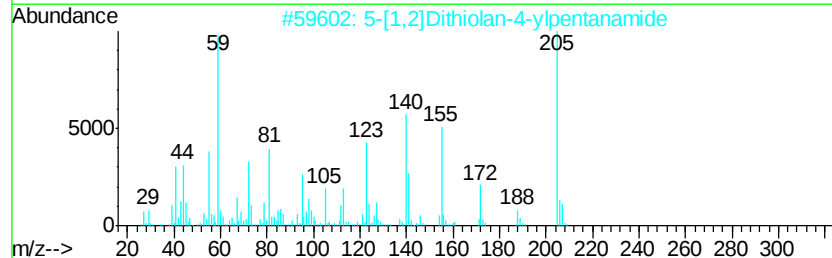
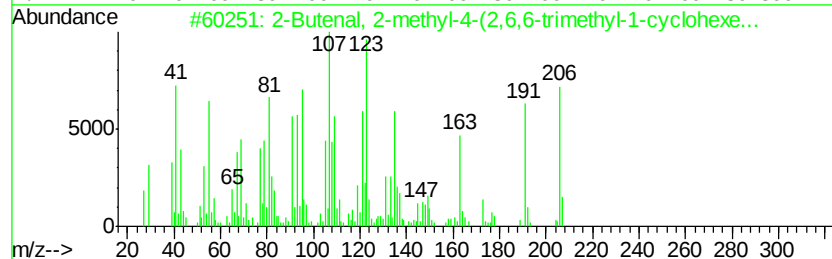
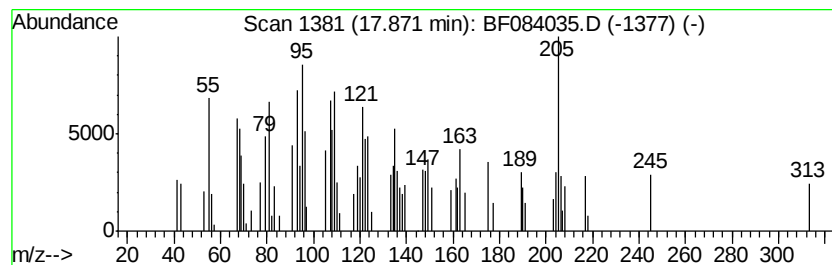
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown17.87 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	5.47 ng	86640	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Butenal, 2-methyl-4-(2,6,6-tri...	206	C14H22O	003155-71-3	43
2		5-[1,2]Dithiolan-4-ylpentanamide	205	C8H15NOS2	1000195-38-7	25
3		2-Cyclohexen-1-one, 4-(3-hydroxy...	208	C13H20O2	034318-21-3	25
4		1-Ethyl-3,5-di-n-propyladamantane	248	C18H32	1000215-00-4	22
5		(4R*,5R*,9S*)-5,9-Dimethylspiro[...	166	C11H18O	063088-19-7	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
Data File : BF084035.D
Acq On : 23 Dec 2015 13:08
Operator : UM/SJ
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Misc :
ALS Vial : 41 Sample Multiplier: 1

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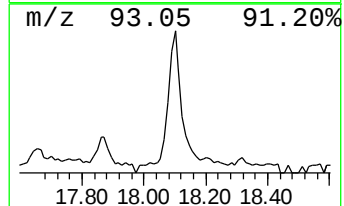
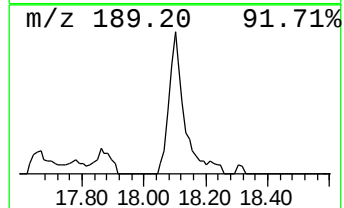
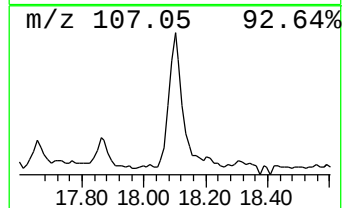
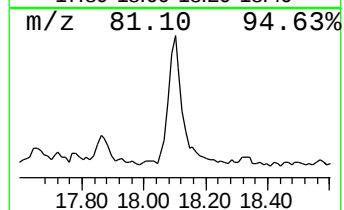
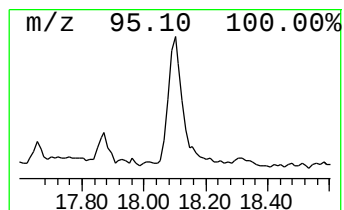
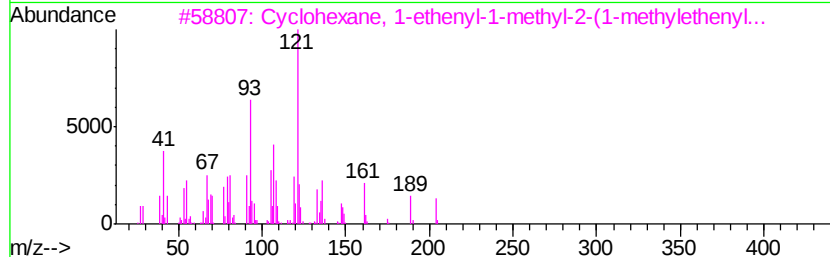
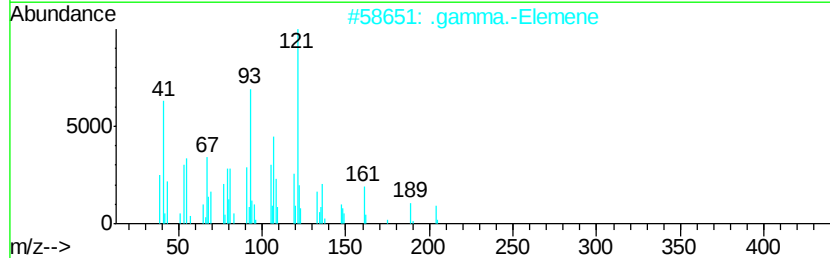
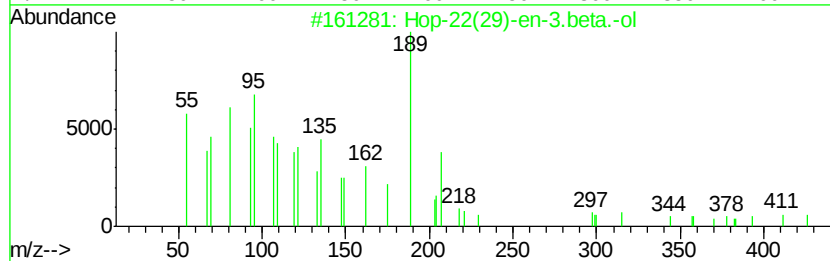
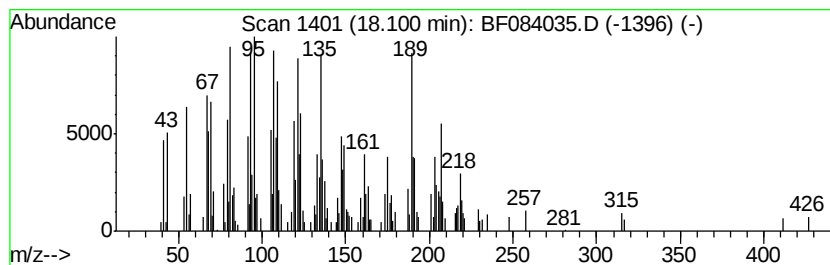
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hop-22(29)-en-3.beta.-ol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	39.10 ng	619816	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	64
2		.gamma.-Elemene	204	C15H24	030824-67-0	46
3		Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	003242-08-8	45
4		1,5-Cyclodecadiene, 1,5-dimethyl...	204	C15H24	015423-57-1	44
5		2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084035.D
Acq On : 23 Dec 2015 13:08
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Sample : G4862-01
Misc :
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ClientSampleId :
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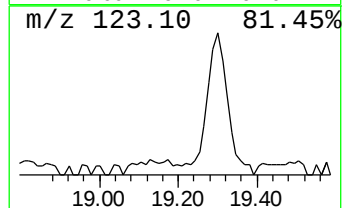
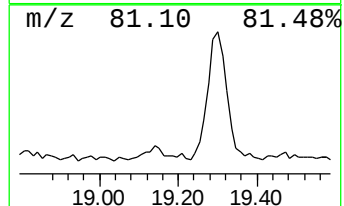
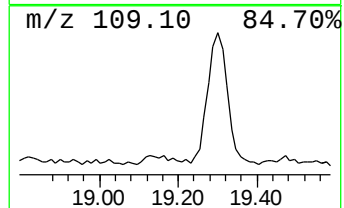
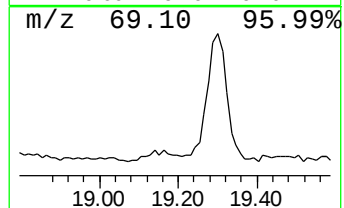
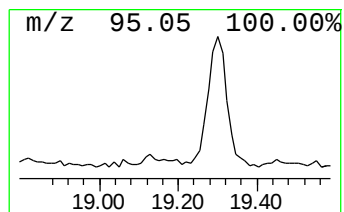
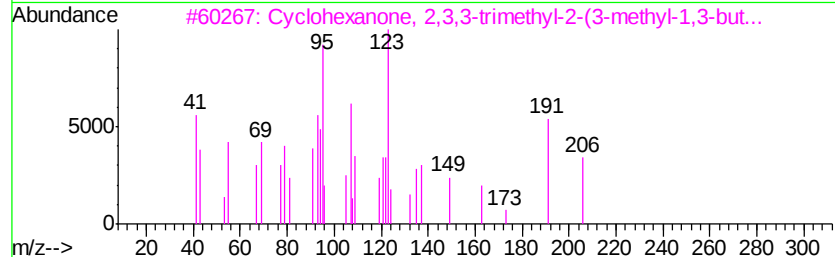
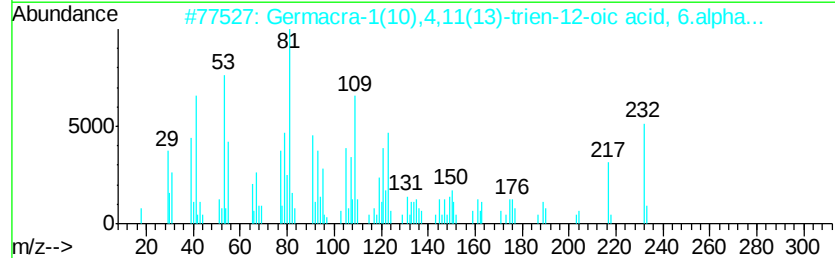
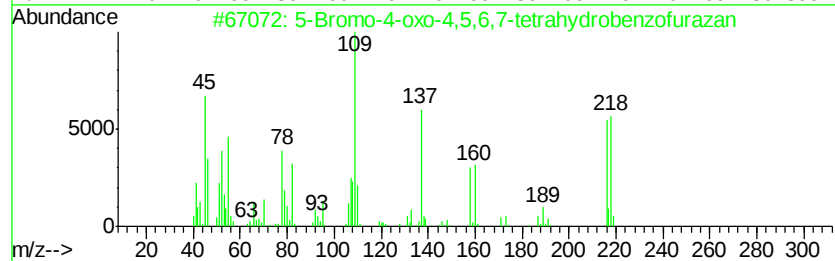
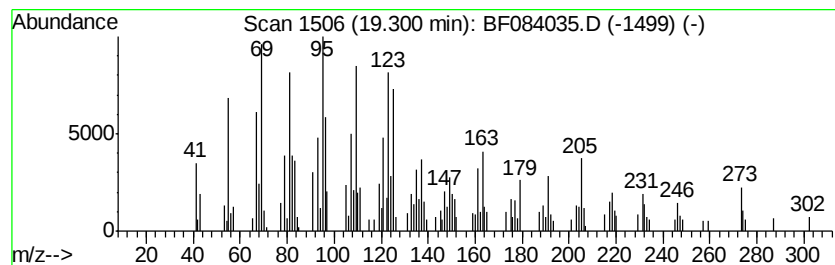
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 5-Bromo-4-oxo-4,5,6,7-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	26.49 ng	419970	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	53
2		Germacra-1(10),4,11(13)-trien-12...	232	C15H20O2	000553-21-9	50
3		Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-90-8	42
4		6.beta.Bicyclo[4.3.0]nonane, 5.b...	332	C15H25I	1000195-85-9	38
5		2,4a,8,8-Tetramethyldecahydrocyc...	206	C15H26	074022-04-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122215\
 Data File : BF084035.D
 Acq On : 23 Dec 2015 13:08
 Operator : UM/SJ
 Sample : G4862-01
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-EAST

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	31.0	ng	380556	1	6.83	245579	20.0
unknown6.60	6.60	110.3	ng	1353850	1	6.83	245579	20.0
Benzaldehyde, 3,5...	11.96	4.5	ng	116112	4	11.35	516567	20.0
17-Pentatriacontene	13.84	9.4	ng	304725	5	13.99	651317	20.0
1-Octadecene	14.47	9.6	ng	313194	5	13.99	651317	20.0
Octadecanal	14.89	4.0	ng	63361	6	15.41	317037	20.0
unknown15.11	15.11	6.7	ng	105769	6	15.41	317037	20.0
Benzo[e]pyrene	15.30	5.7	ng	90906	6	15.41	317037	20.0
Nonadecane	15.85	5.0	ng	78518	6	15.41	317037	20.0
5-Eicosene, (E)-	15.91	4.8	ng	76612	6	15.41	317037	20.0
2H-Cyclopentacycl...	16.96	8.4	ng	132777	6	15.41	317037	20.0
unknown17.06	17.06	6.9	ng	109972	6	15.41	317037	20.0
unknown17.41	17.41	6.2	ng	97748	6	15.41	317037	20.0
1H-Cycloprop[e]az...	17.65	6.2	ng	98531	6	15.41	317037	20.0
unknown17.87	17.87	5.5	ng	86640	6	15.41	317037	20.0
Hop-22(29)-en-3.b...	18.10	39.1	ng	619816	6	15.41	317037	20.0
5-Bromo-4-oxo-4,5...	19.30	26.5	ng	419970	6	15.41	317037	20.0