

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
 Data File : BF083462.D
 Acq On : 3 Dec 2015 16:09
 Operator : UM/IZ
 Sample : G4585-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)

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-BF113015.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	4.647	257	259	273	rVB	935710	1815491	26.36%	1.500%
2	5.116	298	300	303	rBV	3764539	5664896	82.24%	4.682%
3	6.202	393	395	398	rBV	4691754	5710546	82.90%	4.720%
4	6.304	401	404	406	rVV	5950392	6000603	87.11%	4.959%
5	6.522	421	423	425	rBV	1012344	1152507	16.73%	0.953%
6	6.682	434	437	440	rBV	4052851	4235826	61.49%	3.501%
7	7.105	471	474	476	rVV	3706951	4052053	58.82%	3.349%
8	7.150	476	478	480	rVV	252771	291911	4.24%	0.241%
9	7.253	484	487	490	rVV3	129823	245620	3.57%	0.203%
10	7.345	493	495	497	rVB	180821	231448	3.36%	0.191%
11	7.447	502	504	506	rBV2	124432	214613	3.12%	0.177%
12	7.596	515	517	519	rVV2	168831	203924	2.96%	0.169%
13	7.642	519	521	524	rVB2	108602	196291	2.85%	0.162%
14	7.813	534	536	539	rVV2	1696947	2175615	31.58%	1.798%
15	8.099	559	561	565	rVV3	63598	195648	2.84%	0.162%
16	8.430	588	590	592	rBV	233921	227236	3.30%	0.188%
17	8.899	628	631	633	rBV	6132730	6273687	91.07%	5.185%
18	9.299	664	666	668	rBV	1437123	1378994	20.02%	1.140%
19	9.425	675	677	679	rVB	275757	359949	5.23%	0.297%
20	9.516	683	685	687	rBV	262070	292852	4.25%	0.242%
21	9.562	687	689	691	rBV	1726998	1712979	24.87%	1.416%
22	10.019	722	729	730	rBV2	267444	446558	6.48%	0.369%
23	10.236	744	748	749	rBV2	155510	225802	3.28%	0.187%
24	10.351	755	758	761	rVB	3529963	3737327	54.25%	3.089%
25	10.488	767	770	774	rBV2	358965	628068	9.12%	0.519%
26	10.979	811	813	815	rVV	264839	320364	4.65%	0.265%
27	11.094	820	823	824	rBV	1543843	1653848	24.01%	1.367%
28	11.128	824	826	828	rVV	1418766	1931328	28.04%	1.596%
29	11.185	828	831	833	rVB	259289	363307	5.27%	0.300%
30	11.494	856	858	861	rVB2	199147	257648	3.74%	0.213%
31	11.699	873	876	877	rBV	285848	335069	4.86%	0.277%
32	11.734	877	879	882	rVB	391581	402266	5.84%	0.332%
33	11.802	882	885	886	rBV2	578296	772823	11.22%	0.639%
34	11.836	886	888	889	rVV	496402	705612	10.24%	0.583%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
 Data File : BF083462.D
 Acq On : 3 Dec 2015 16:09
 Operator : UM/IZ
 Sample : G4585-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)

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-BF113015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.859	889	890	893	rVB	207388	265701	3.86%	0.220%
36	12.076	907	909	911	rVV	271601	463042	6.72%	0.383%
37	12.111	911	912	917	rVB	620275	654526	9.50%	0.541%
38	12.419	936	939	941	rBV	222640	351239	5.10%	0.290%
39	12.522	947	948	953	rVB3	288564	528598	7.67%	0.437%
40	12.637	954	958	960	rVV	3871831	5562933	80.76%	4.598%
41	12.751	966	968	972	rVB	309535	422205	6.13%	0.349%
42	12.831	972	975	976	rBV2	232319	364180	5.29%	0.301%
43	12.865	976	978	981	rVV	287504	418647	6.08%	0.346%
44	12.945	981	985	987	rVV	4366907	6888584	100.00%	5.693%
45	12.991	987	989	992	rVB3	123324	272861	3.96%	0.226%
46	13.185	1002	1006	1009	rBV	3866765	5591114	81.16%	4.621%
47	13.265	1009	1013	1016	rBV2	224788	405228	5.88%	0.335%
48	13.391	1020	1024	1025	rBV3	259553	606110	8.80%	0.501%
49	13.414	1025	1026	1029	rVB	373421	407442	5.91%	0.337%
50	13.517	1032	1035	1036	rBV	158574	202049	2.93%	0.167%
51	13.562	1036	1039	1041	rBV	445282	540657	7.85%	0.447%
52	13.688	1048	1050	1052	rBV	311740	396590	5.76%	0.328%
53	13.734	1052	1054	1058	rVB	270271	363232	5.27%	0.300%
54	14.168	1087	1092	1097	rVB	375000	603757	8.76%	0.499%
55	14.328	1102	1106	1108	rBV	427361	720261	10.46%	0.595%
56	14.374	1108	1110	1111	rVV	289930	518818	7.53%	0.429%
57	14.397	1111	1112	1114	rVB	497787	404410	5.87%	0.334%
58	14.431	1114	1115	1118	rVB2	143375	211087	3.06%	0.174%
59	14.488	1118	1120	1123	rVB	339200	435781	6.33%	0.360%
60	14.614	1129	1131	1135	rBV	345700	547102	7.94%	0.452%
61	14.705	1135	1139	1141	rBV2	1969712	4306671	62.52%	3.559%
62	14.762	1141	1144	1146	rVB	1988707	3123052	45.34%	2.581%
63	14.865	1151	1153	1155	rVB	249670	330309	4.80%	0.273%
64	14.934	1156	1159	1161	rBV	392382	523865	7.60%	0.433%
65	15.025	1165	1167	1170	rVB2	163063	242829	3.53%	0.201%
66	15.083	1170	1172	1176	rBV3	116449	233799	3.39%	0.193%
67	15.323	1189	1193	1195	rBV	276465	456378	6.63%	0.377%
68	15.391	1195	1199	1201	rVB2	150820	321754	4.67%	0.266%
69	15.505	1207	1209	1213	rVB3	121288	278440	4.04%	0.230%
70	15.643	1218	1221	1225	rVB2	201882	341261	4.95%	0.282%
71	15.814	1231	1236	1238	rBV3	110377	268526	3.90%	0.222%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
 Data File : BF083462.D
 Acq On : 3 Dec 2015 16:09
 Operator : UM/IZ
 Sample : G4585-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)

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-BF113015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.043	1253	1256	1259	rBV2	85103	207098	3.01%	0.171%
73	16.283	1272	1277	1283	rBV	2213484	5998083	87.07%	4.957%
74	16.408	1283	1288	1290	rVB2	276793	497439	7.22%	0.411%
75	16.580	1296	1303	1305	rBV6	126995	442104	6.42%	0.365%
76	16.637	1305	1308	1311	rBV	1575112	2505330	36.37%	2.071%
77	16.717	1311	1315	1318	rVB	1800448	2673349	38.81%	2.209%
78	16.786	1318	1321	1322	rBV	762239	1052220	15.27%	0.870%
79	16.820	1322	1324	1326	rVB	454512	598394	8.69%	0.495%
80	16.991	1335	1339	1340	rBV2	82176	223543	3.25%	0.185%
81	17.140	1347	1352	1353	rBV2	114891	297643	4.32%	0.246%
82	17.346	1367	1370	1376	rVB3	199988	463785	6.73%	0.383%
83	17.483	1380	1382	1387	rVB4	118409	250472	3.64%	0.207%
84	17.780	1405	1408	1412	rBV2	98392	226693	3.29%	0.187%
85	18.020	1425	1429	1431	rBV2	322314	765120	11.11%	0.632%
86	18.169	1437	1442	1446	rBV2	1417004	2857521	41.48%	2.362%
87	18.317	1452	1455	1457	rBV	219530	392847	5.70%	0.325%
88	18.363	1457	1459	1463	rVV	263460	528666	7.67%	0.437%
89	18.443	1463	1466	1469	rVV2	96130	215641	3.13%	0.178%
90	18.546	1470	1475	1482	rVB	1294244	2751856	39.95%	2.274%
91	18.740	1489	1492	1500	rVB2	143847	499693	7.25%	0.413%
92	19.517	1555	1560	1564	rBV4	70539	295545	4.29%	0.244%
93	20.420	1632	1639	1645	rBV2	318495	1028840	14.94%	0.850%
94	20.569	1647	1652	1655	rVV	196314	640157	9.29%	0.529%
95	20.626	1655	1657	1669	rVB2	134142	515284	7.48%	0.426%
96	20.820	1669	1674	1682	rBV3	93452	362102	5.26%	0.299%
97	21.095	1694	1698	1706	rVB2	56595	230290	3.34%	0.190%
98	21.335	1713	1719	1721	rBV	113357	373353	5.42%	0.309%
99	21.415	1721	1726	1731	rVV	238778	905291	13.14%	0.748%
100	21.677	1744	1749	1760	rVB6	41207	212408	3.08%	0.176%

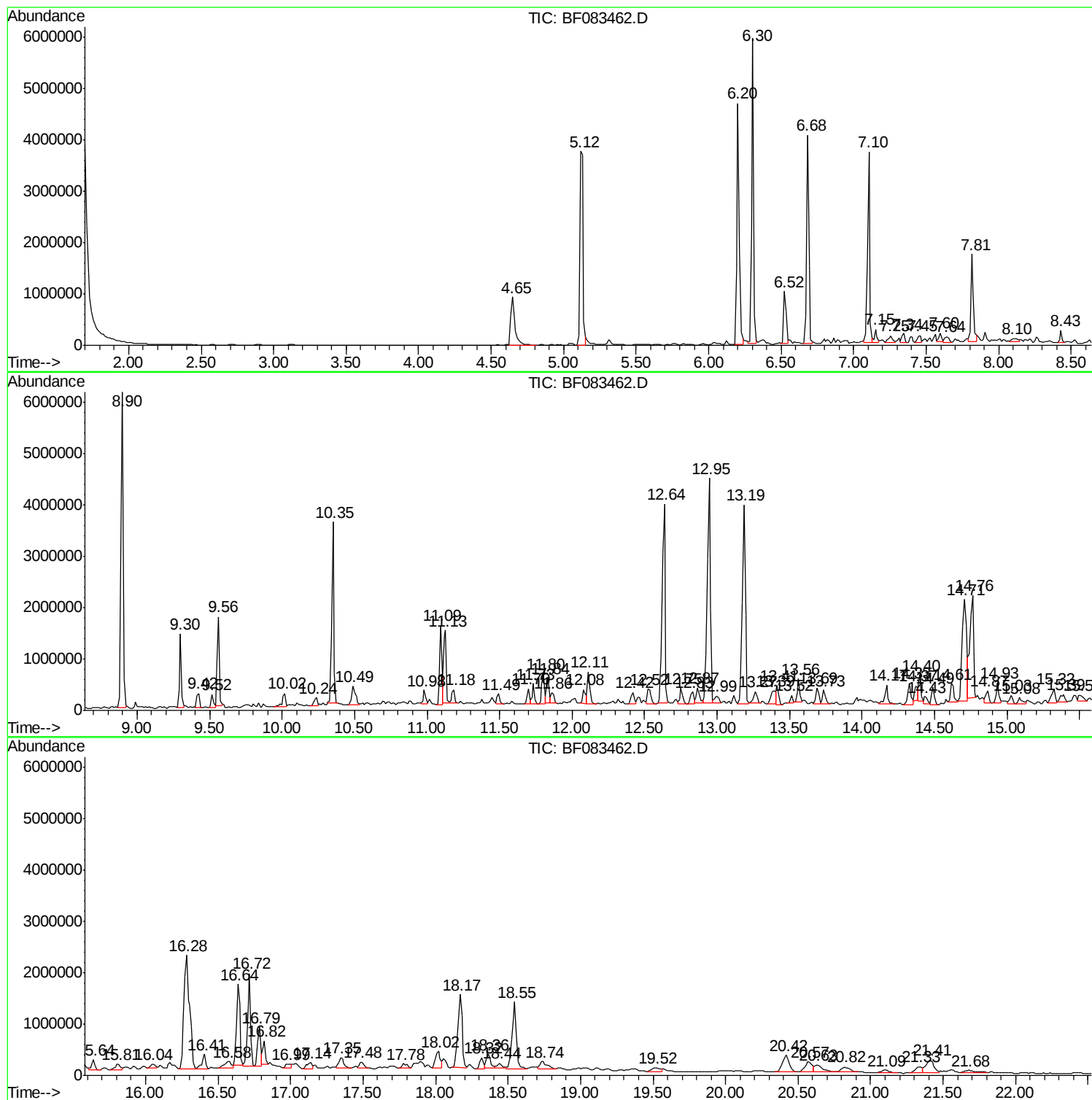
Sum of corrected areas: 120996514

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

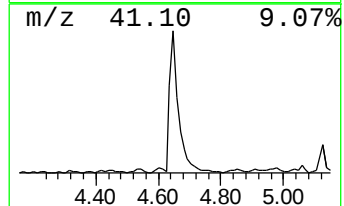
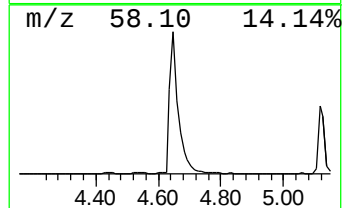
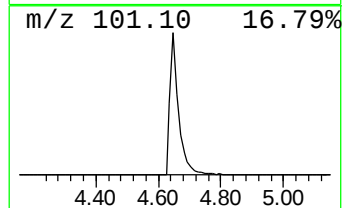
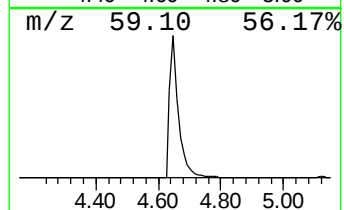
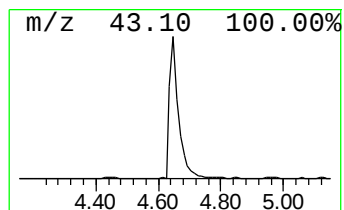
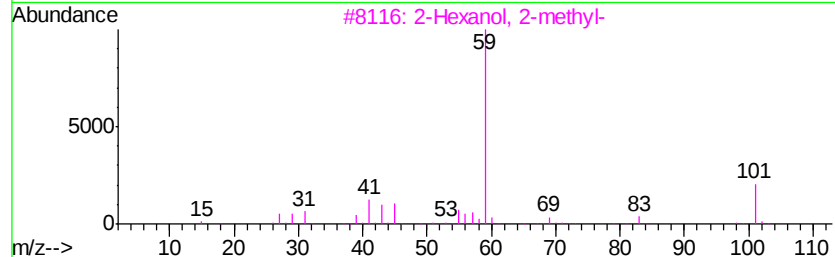
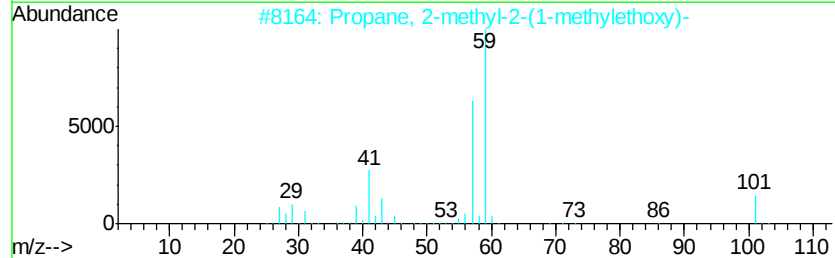
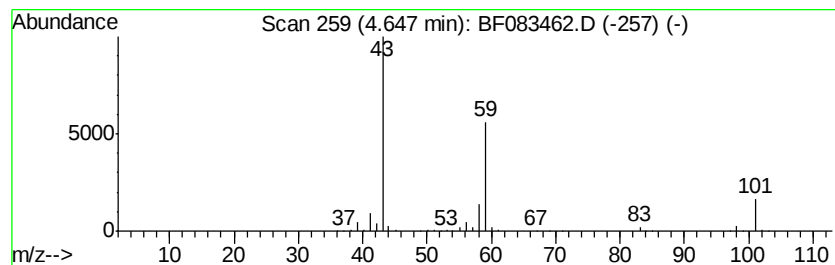
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
4.65	31.51 ng	1815490	1,4-Dichlorobenzene-d4	6.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Propane, 2-methyl-2-(1-methylethoxy)-	116	C7H16O	017348-59-3	36
3		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5		Acetic acid, cyano-, 1,1-dimethyl-	141	C7H11NO2	001116-98-9	32



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

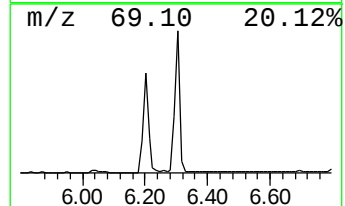
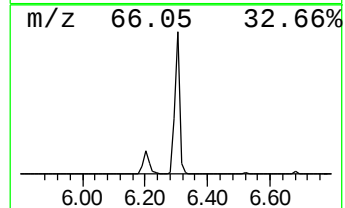
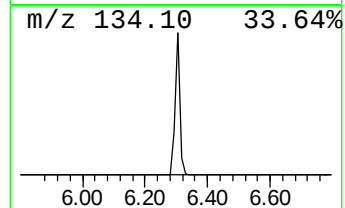
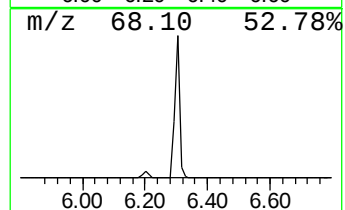
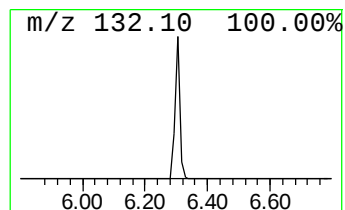
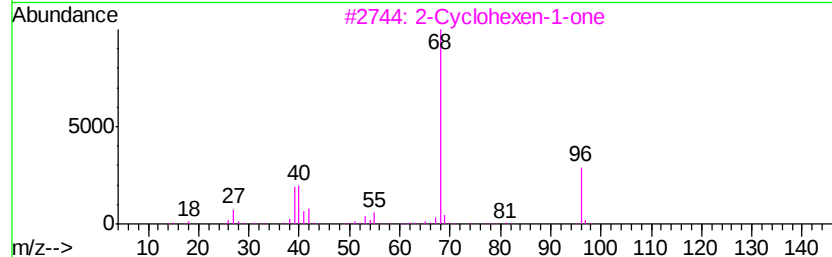
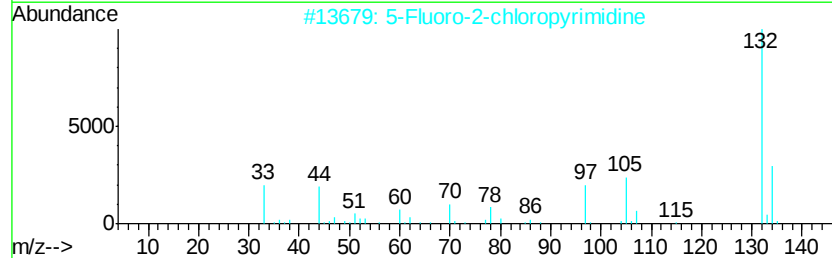
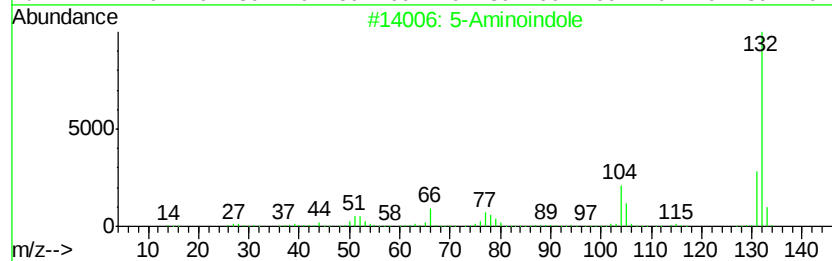
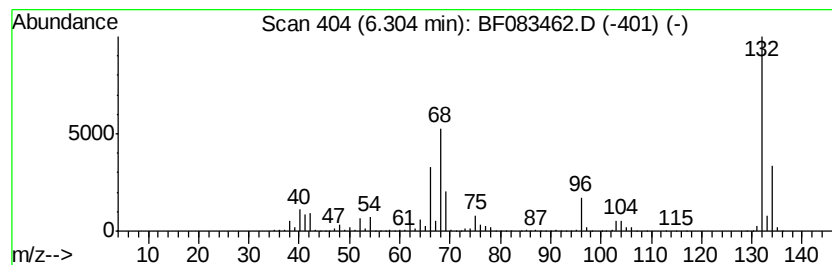
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.30 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	104.13 ng	6000600	1,4-Dichlorobenzene-d4	6.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Aminoindole	132	C8H8N2	005192-03-0	22
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

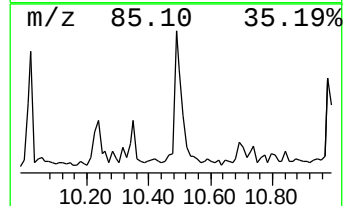
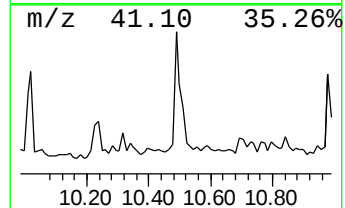
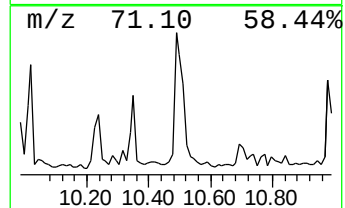
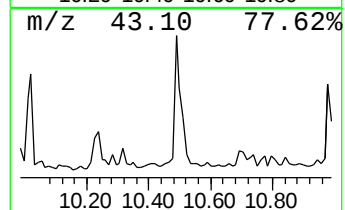
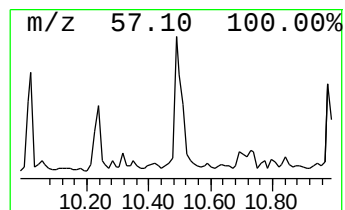
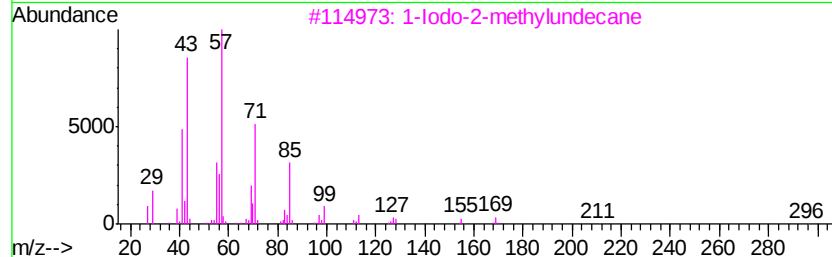
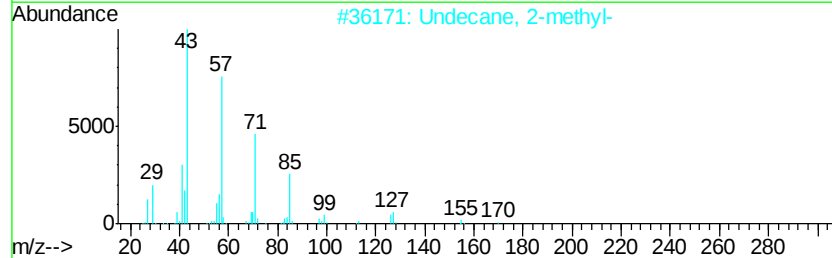
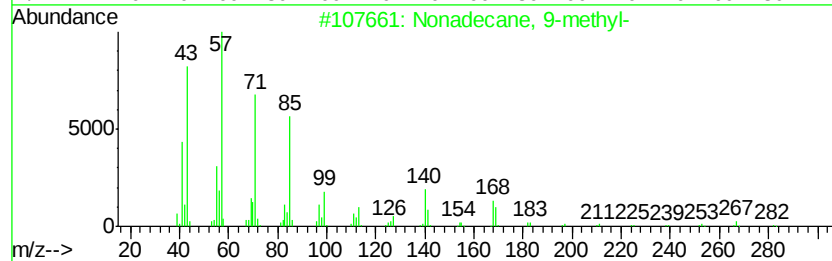
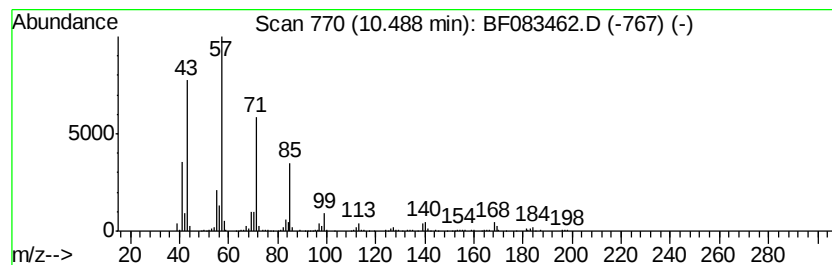
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Nonadecane, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	7.60 ng	628068	Phenanthrene-d10	11.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	86
2		Undecane, 2-methyl-	170	C12H26	007045-71-8	80
3		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	80
4		Heptacosane	380	C27H56	000593-49-7	80
5		Hexadecane	226	C16H34	000544-76-3	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

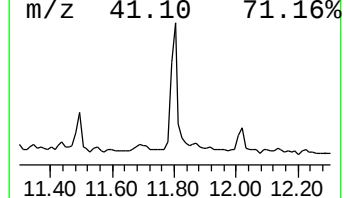
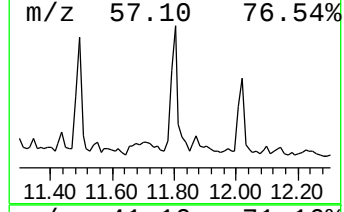
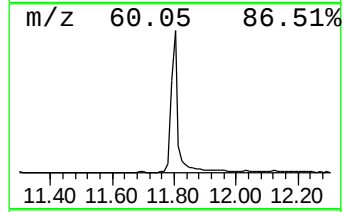
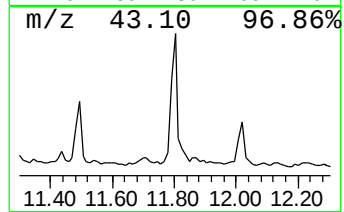
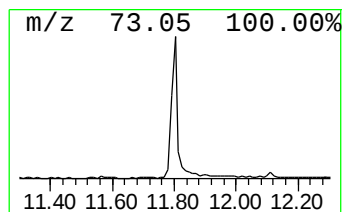
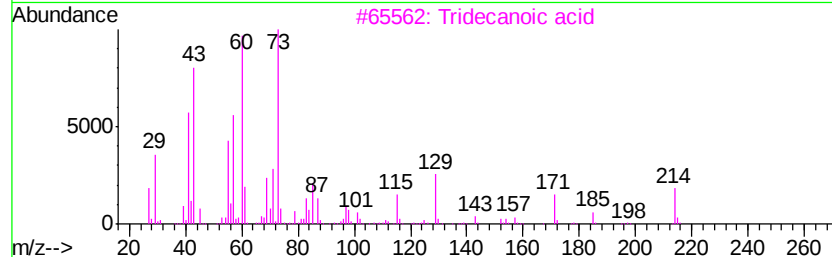
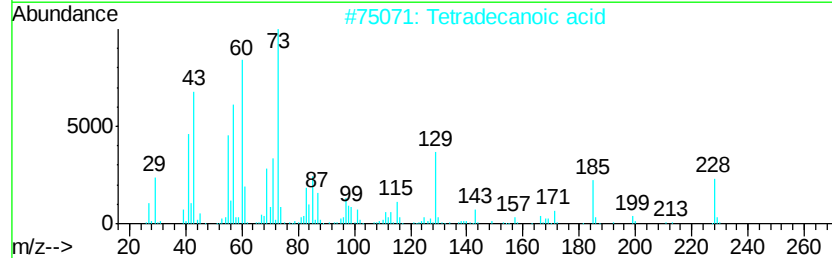
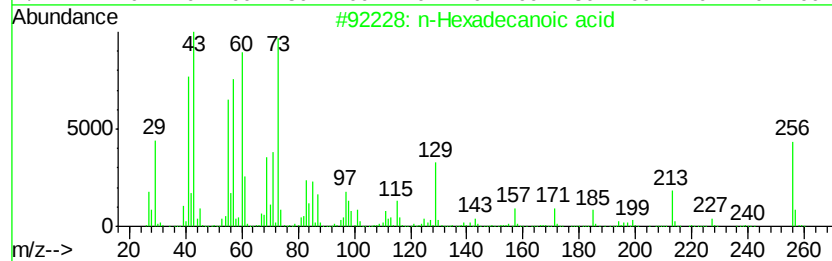
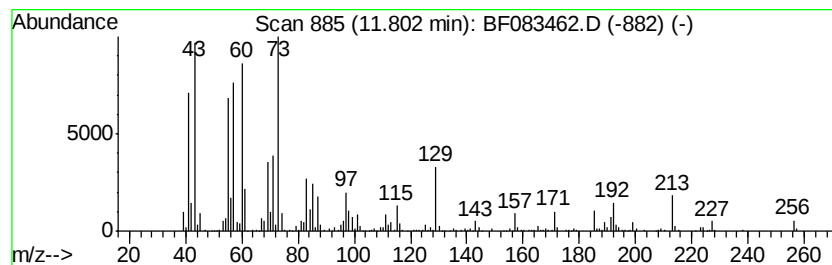
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	9.35 ng	772823	Phenanthrene-d10	11.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3		Tridecanoic acid	214	C13H26O2	000638-53-9	87
4		Undecane, 2-methyl-	170	C12H26	007045-71-8	15
5		Butoxyacetic acid	132	C6H12O3	002516-93-0	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

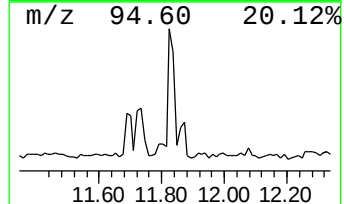
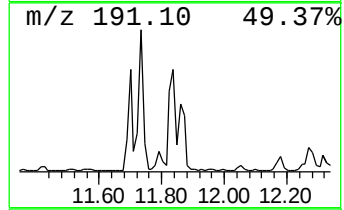
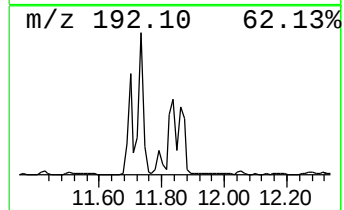
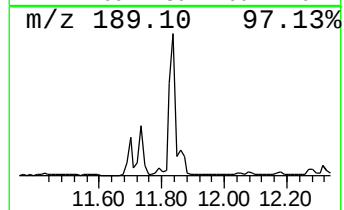
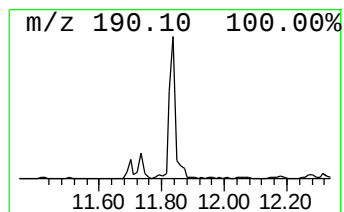
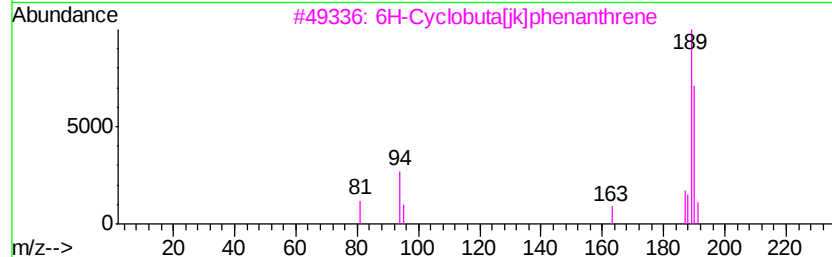
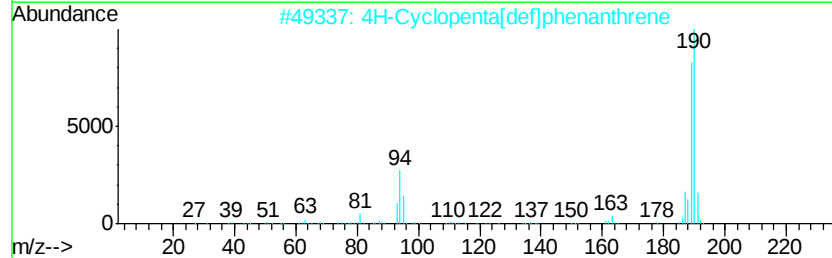
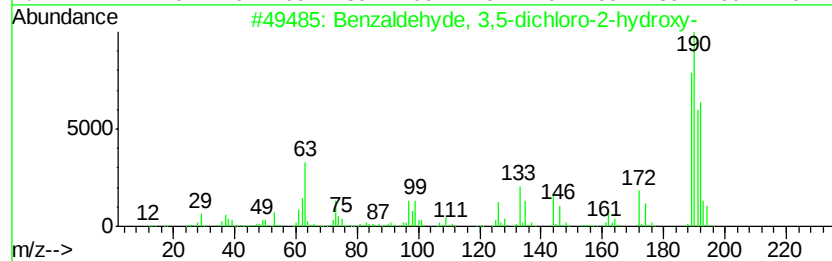
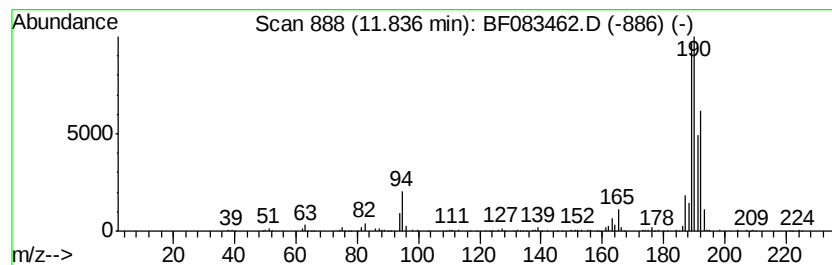
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	8.53 ng	705612	Phenanthrene-d10	11.09

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3			6H-Cyclobuta[fik]phenanthrene	190	C15H10	083469-43-6	53
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	35
5			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

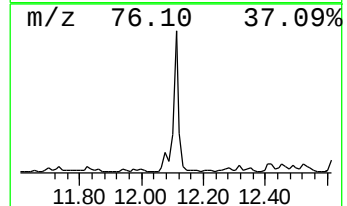
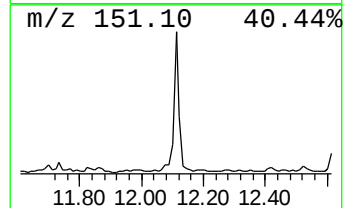
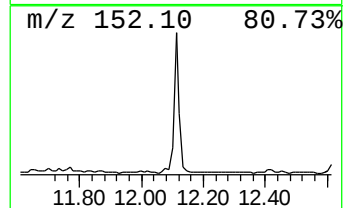
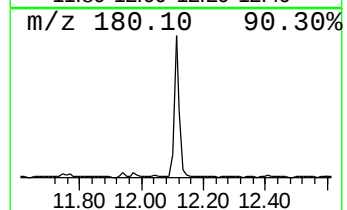
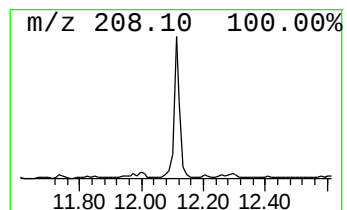
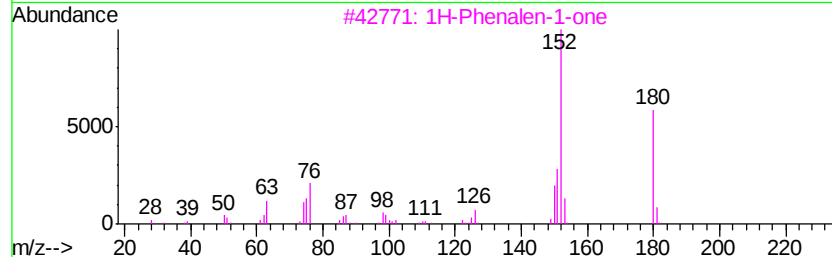
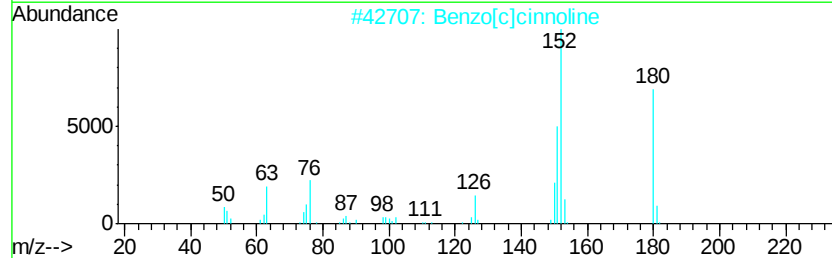
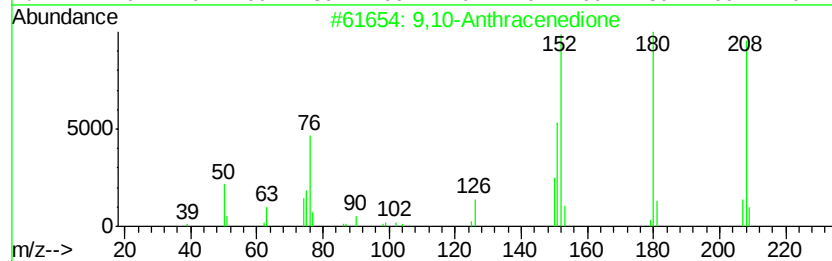
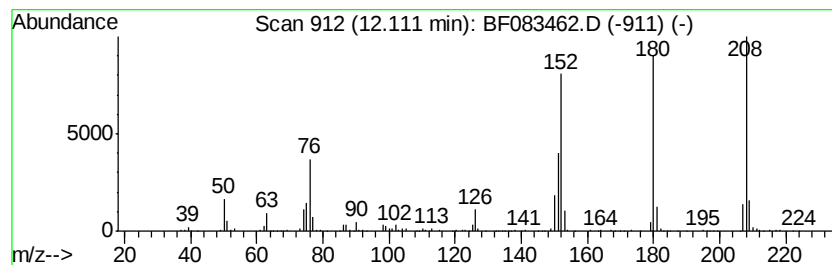
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	7.92 ng	654526	Phenanthrene-d10	11.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4		1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
5		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

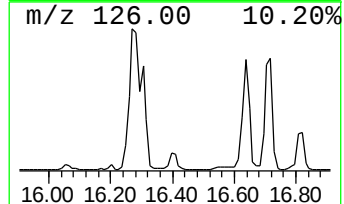
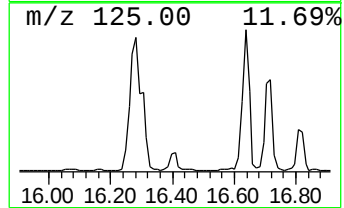
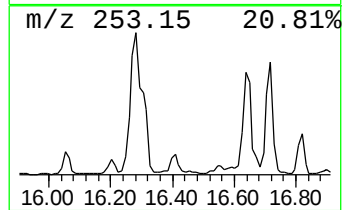
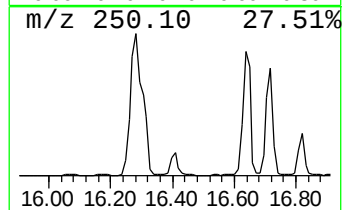
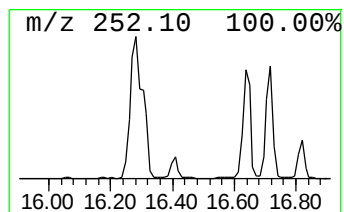
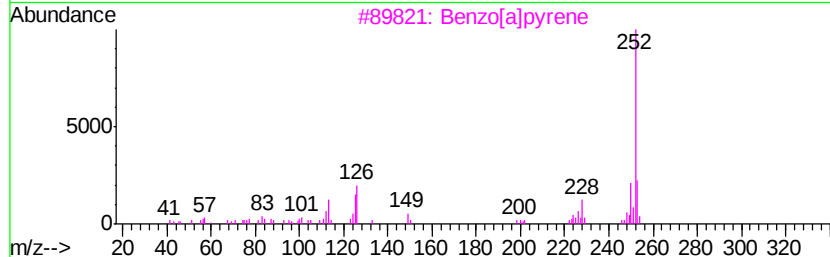
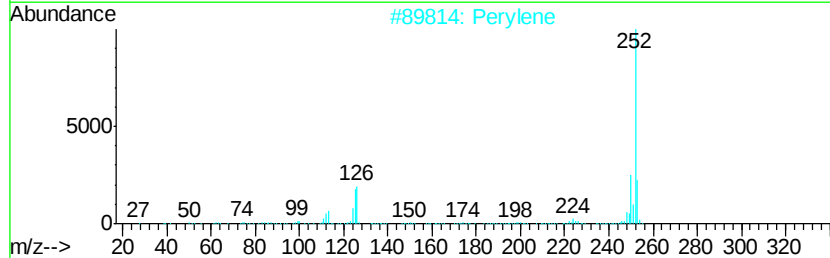
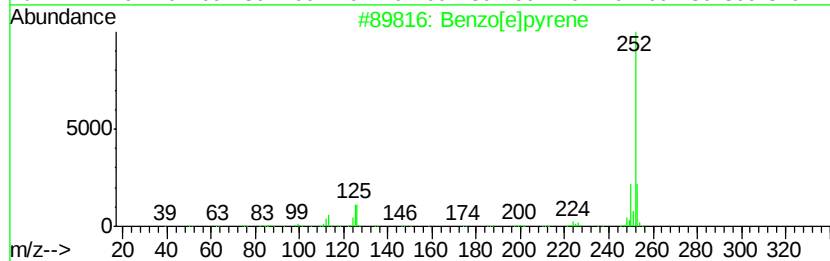
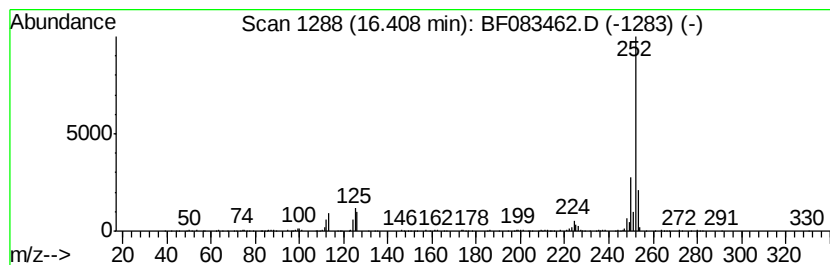
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	9.46 ng	497439	Perylene-d12	16.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[a]pyrene	252	C20H12	000050-32-8	91
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

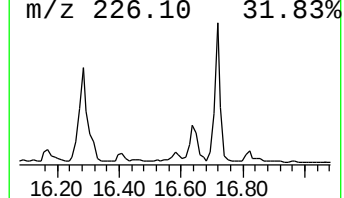
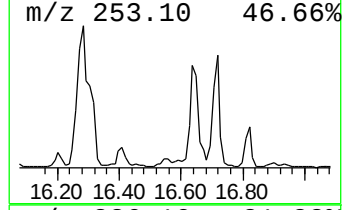
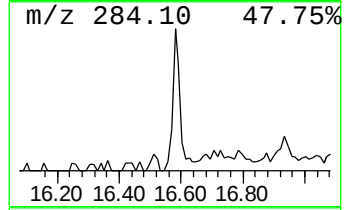
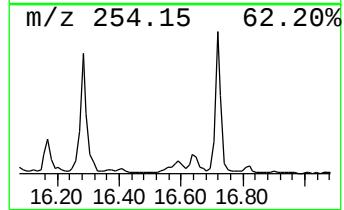
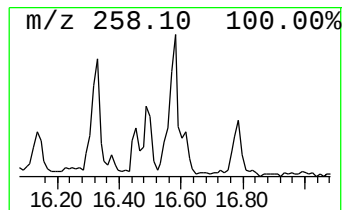
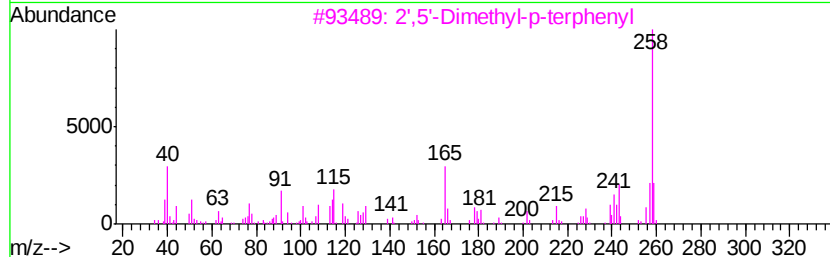
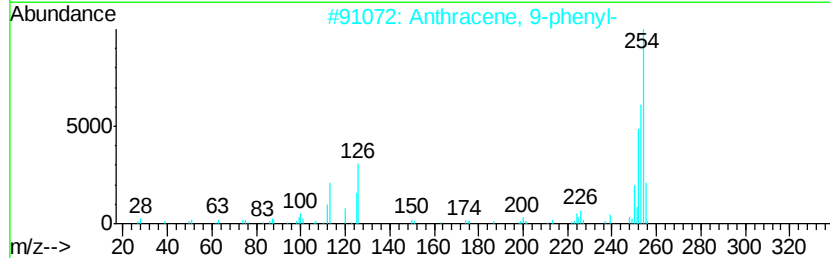
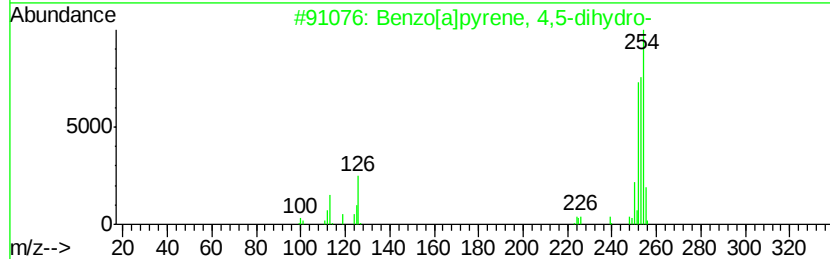
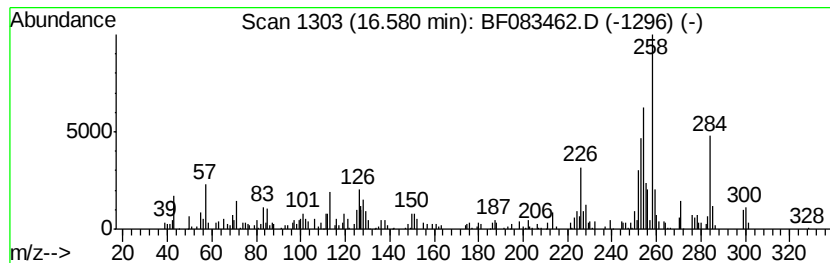
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown16.58 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	8.40 ng	442104	Perylene-d12	16.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	35
2		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	35
3		2',5'-Dimethyl-p-terphenyl	258	C20H18	020260-22-4	22
4		9,10[1',2'-l]-Benzoanthracene, 9...	254	C20H14	000477-75-8	20
5		Benzo[1,2-b:5,4-b']bisbenzofuran	258	C18H10O2	000241-36-1	20



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

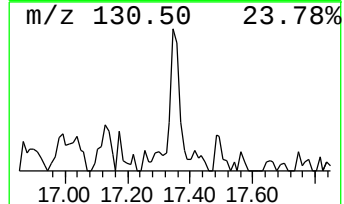
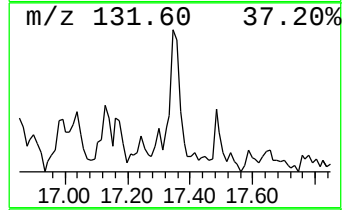
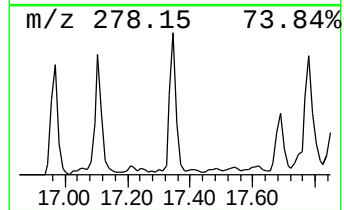
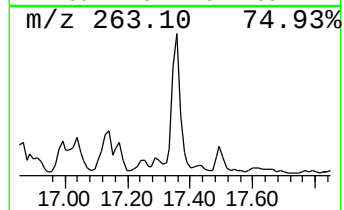
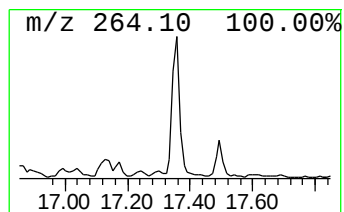
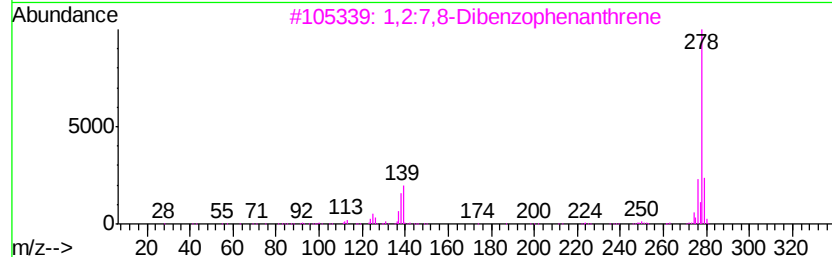
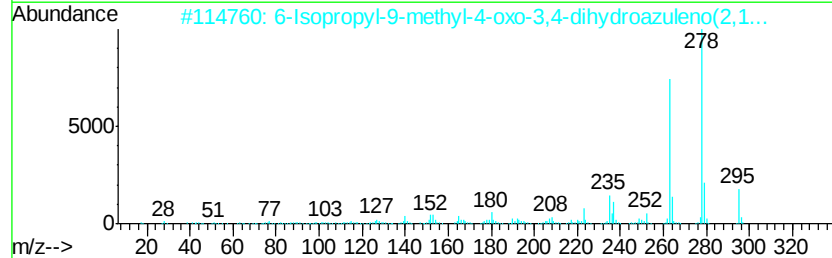
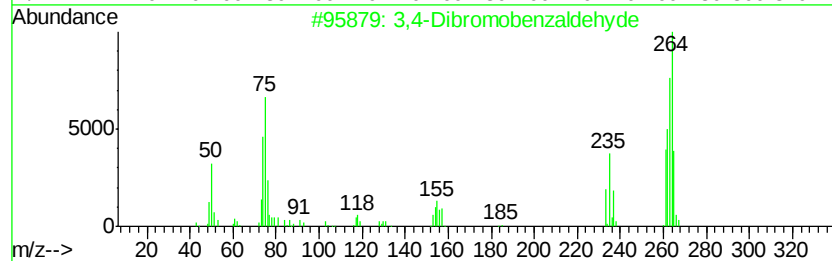
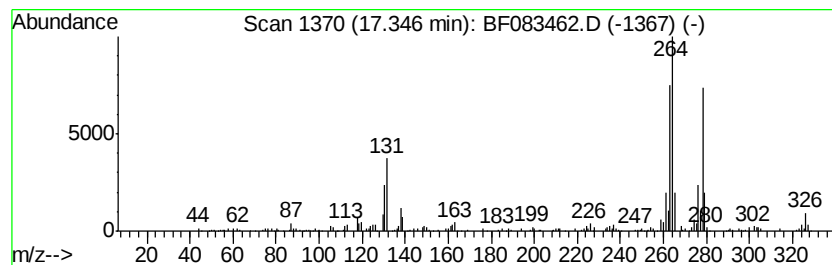
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown17.35 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	8.82 ng	463785	Perylene-d12	16.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde			262	C7H4Br2O	074003-55-7	46
2	6-Isopropyl-9-methyl-4-oxo-3,4-dihydroazuleno(2,1-b)indole			295	C17H17N3O2	098308-93-1	43
3	1,2:7,8-Dibenzophenanthrene			278	C22H14	000213-46-7	35
4	Vanadium, (eta-5-2,4-cyclopentadienyl)tris(isopropyl)			278	C17H23V	126948-97-8	25
5	Estra-1,3,5,7,9,15-hexaen-17-one			278	C19H18O2	056588-53-5	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

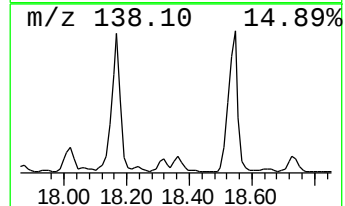
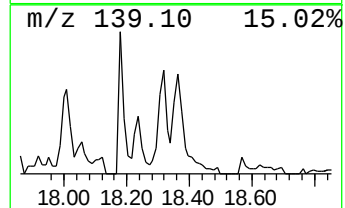
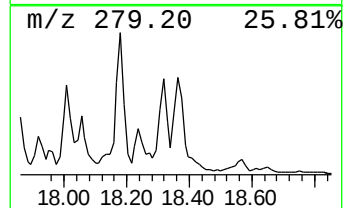
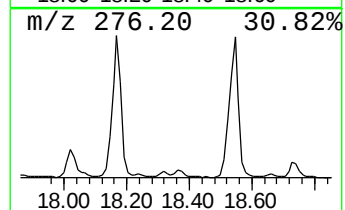
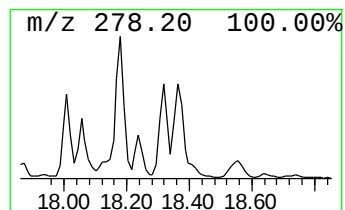
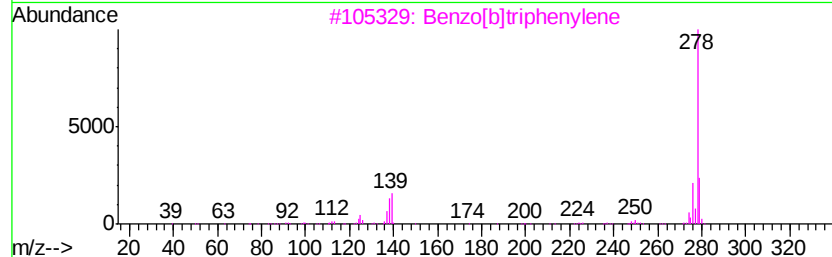
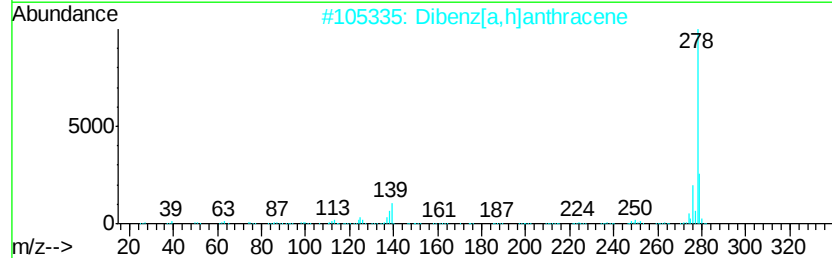
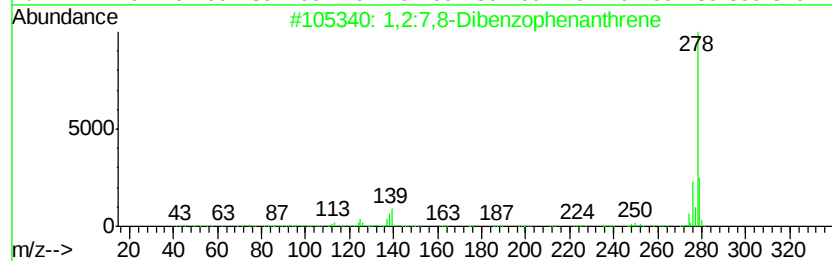
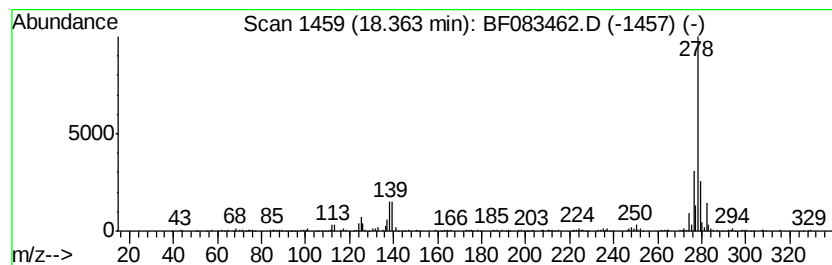
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,2:7,8-Dibenzophenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	10.05 ng	528666	Perylene-d12	16.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	98
4		Benzo[b]chrysene	278	C22H14	000214-17-5	95
5		Pentaphene	278	C22H14	000222-93-5	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

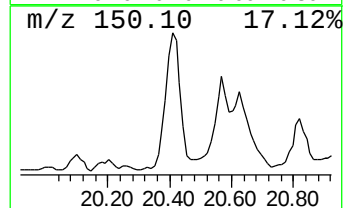
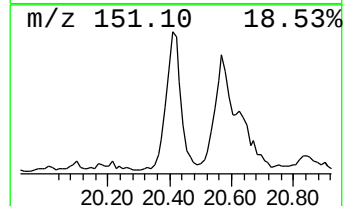
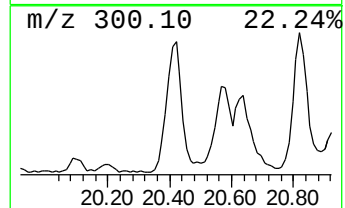
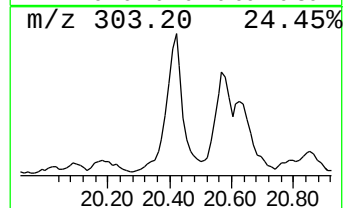
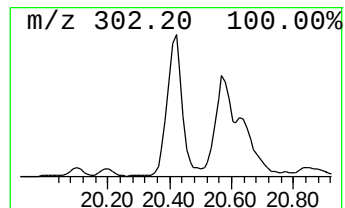
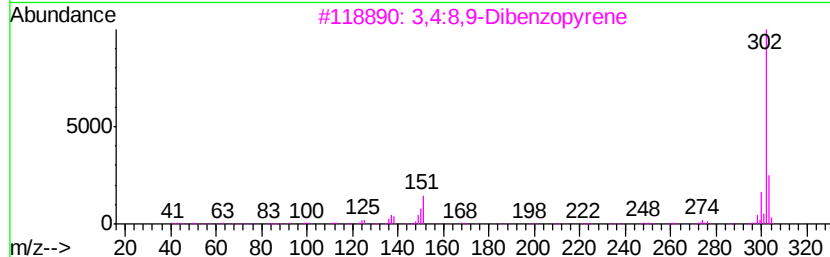
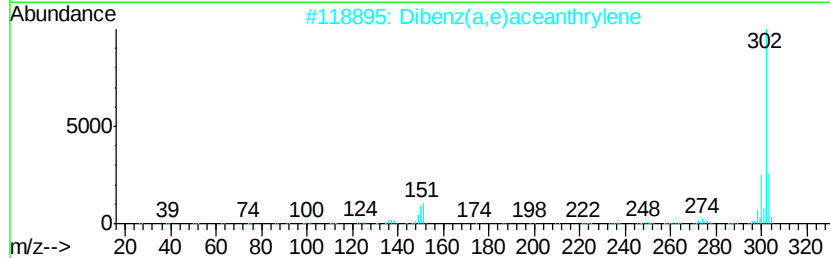
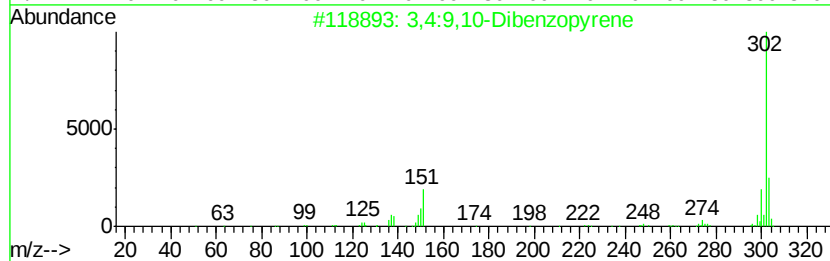
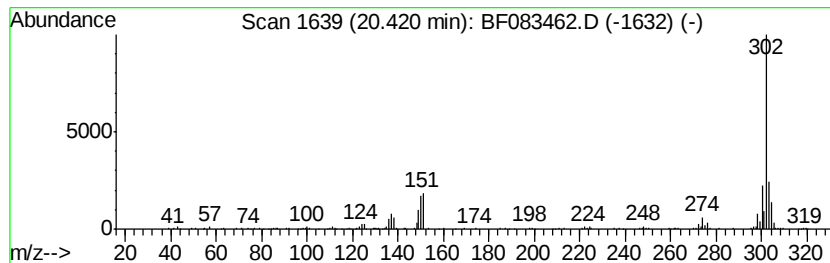
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 3,4:9,10-Dibenzopyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	19.56 ng	1028840	Perylene-d12	16.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	98
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
5		Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

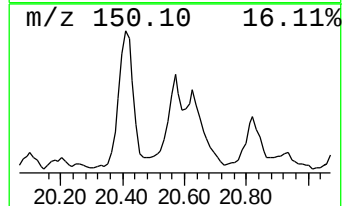
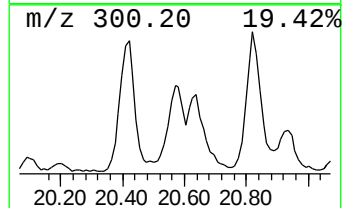
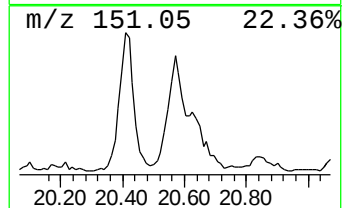
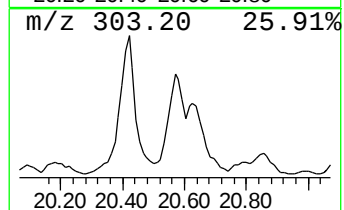
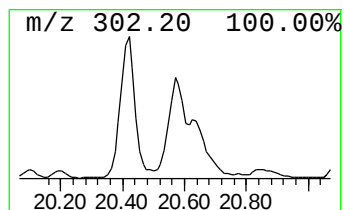
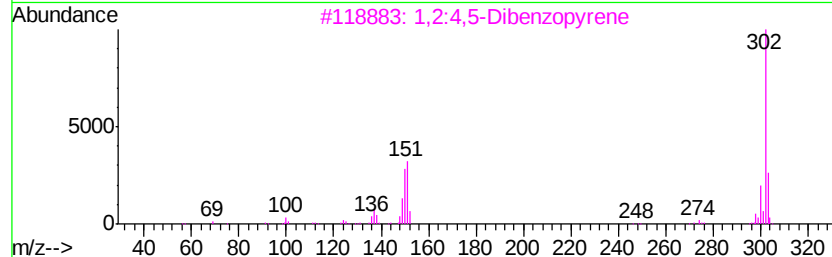
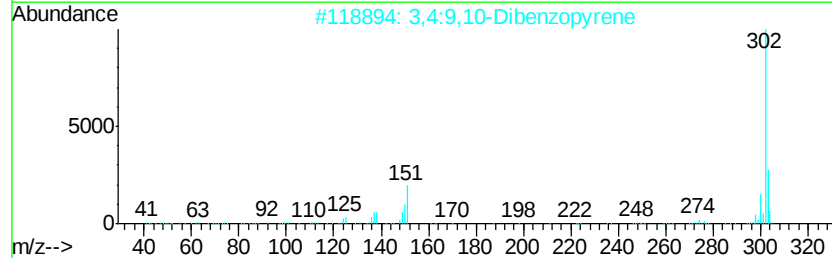
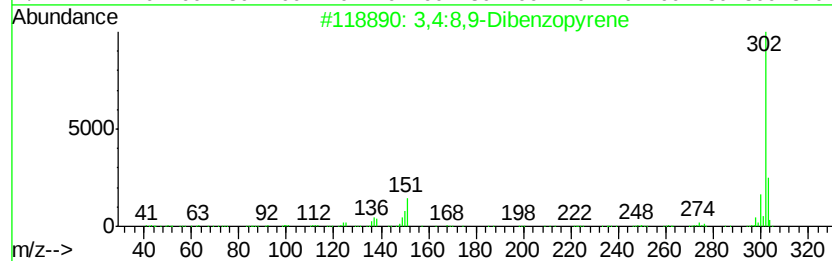
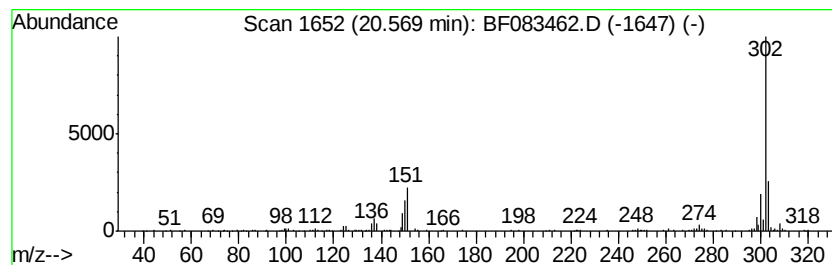
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 3,4:8,9-Dibenzopyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.57	12.17 ng	640157	Perylene-d12	16.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	97
2		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	91
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	89
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	86
5		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

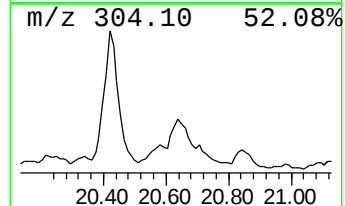
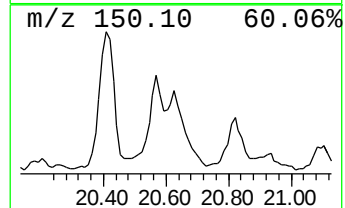
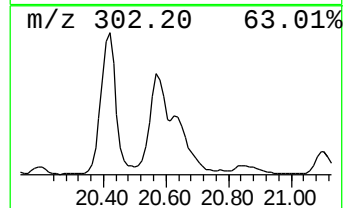
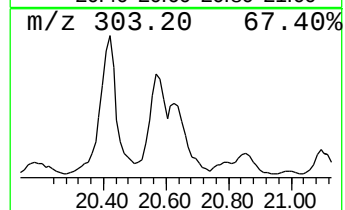
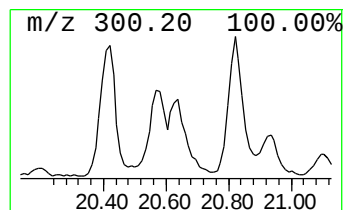
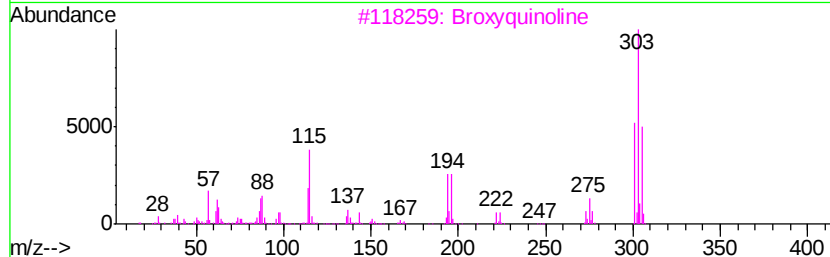
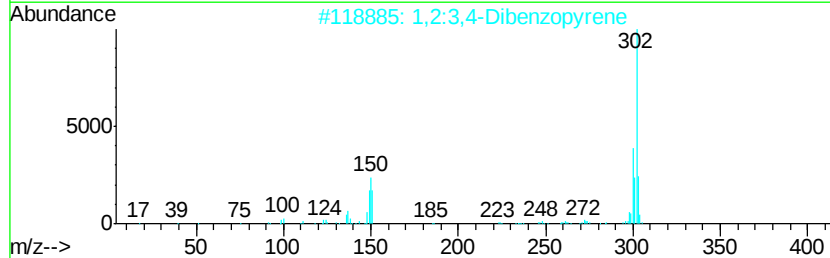
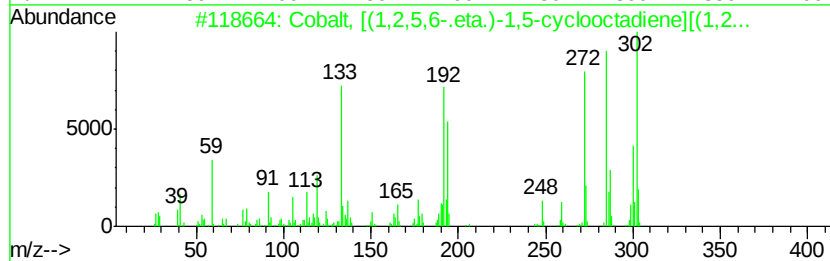
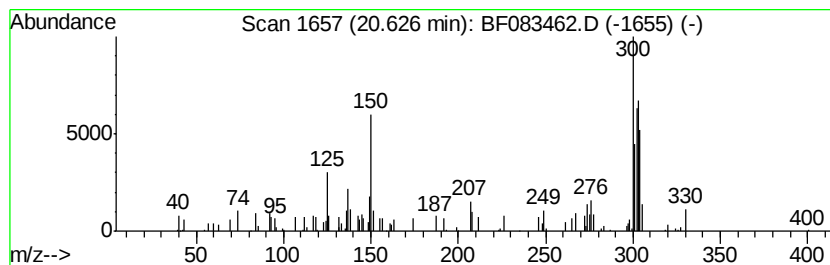
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown20.63 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.63	9.79 ng	515284	Perylene-d12	16.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cobalt, [(1,2,5,6-.eta.)-1,5-cvc...	302	C18H27Co	082595-75-3	38
2		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	16
3		Broxyquinoline	301	C9H5Br2NO	000521-74-4	14
4		Benzofuro[3,2-clpyridine, 8-meth...	303	C20H17NO2	1000259-18-5	14
5		2-Naphthalenol, 1,6-dibromo-	300	C10H6Br2O	016239-18-2	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

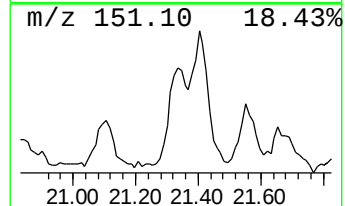
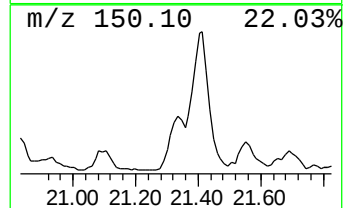
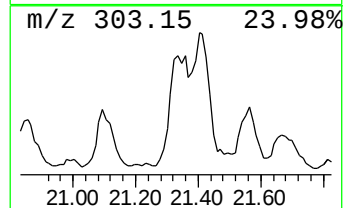
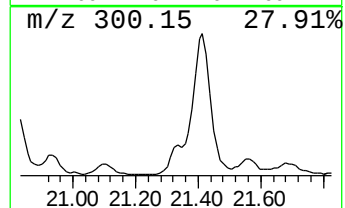
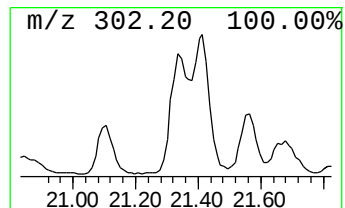
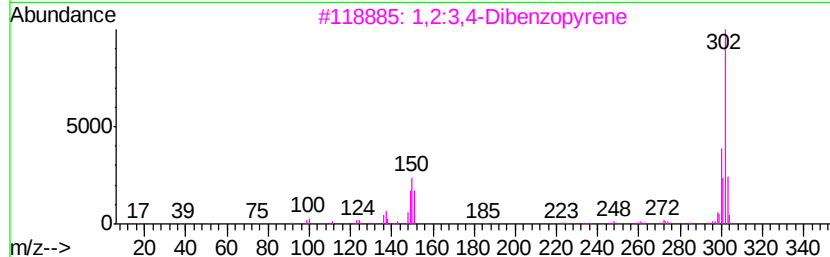
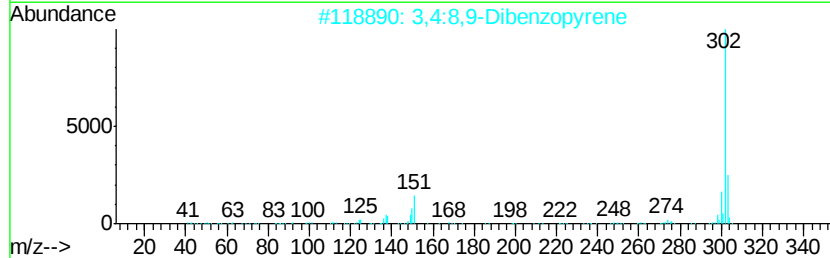
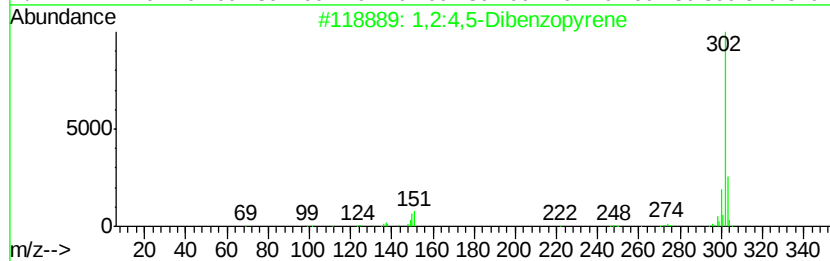
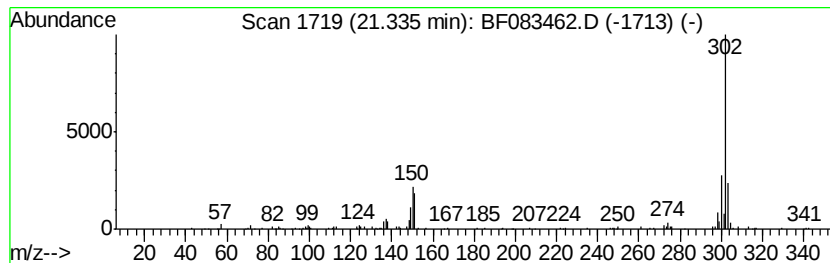
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.33	7.10 ng	373353	Perylene-d12	16.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	98
2			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	97
3			1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	93
4			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	89
5			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083462.D
Acq On : 3 Dec 2015 16:09
Operator : UM/IZ
Sample : G4585-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

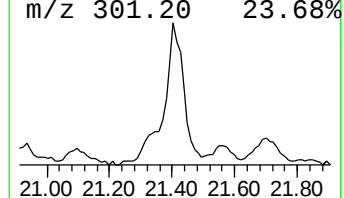
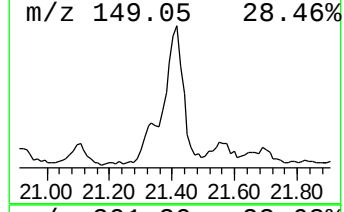
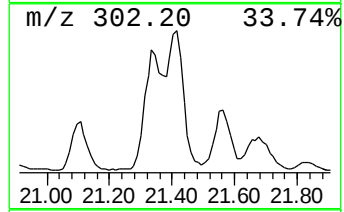
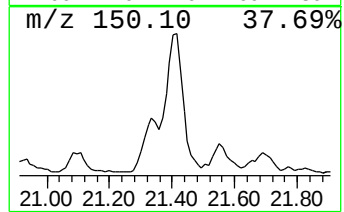
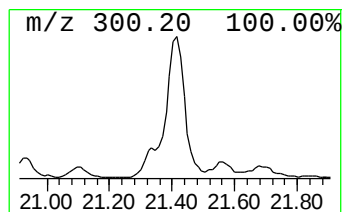
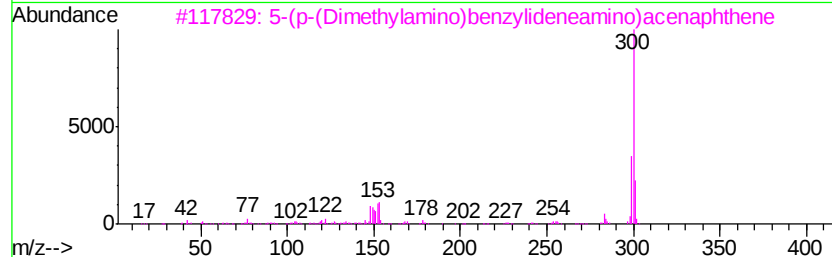
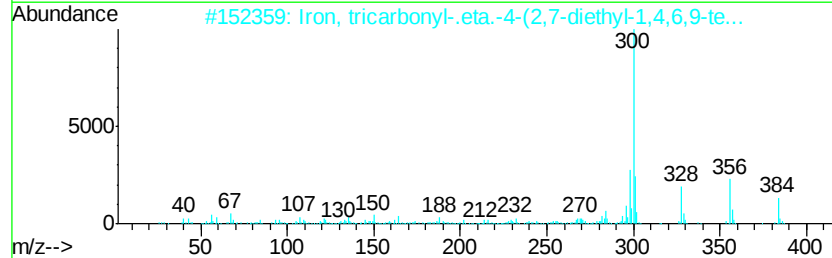
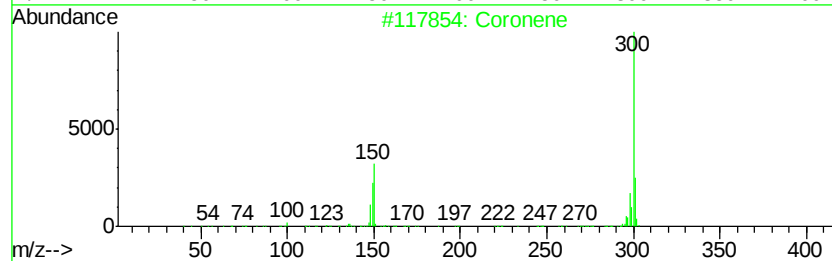
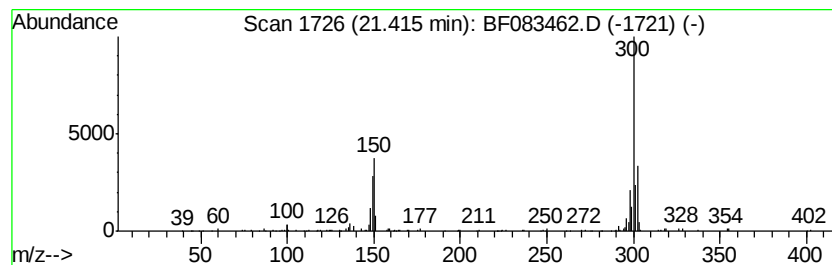
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Coronene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	17.21 ng	905291	Perylene-d12	16.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Coronene	300	C24H12	000191-07-1	94
2		Iron, tricarbonyl-.eta.-4-(2,7-d...	384	C19H24FeO3Si	1000160-16-4	50
3		5-(p-(Dimethylamino)benzylideneamino)acenaphthene	300	C21H20N2	006256-22-0	43
4		4-[p-Chlorophenoxy]-6-methoxy-8-...	300	C16H13ClN2O2	063456-90-6	37
5		Retinoic acid	300	C20H28O2	000302-79-4	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
 Data File : BF083462.D
 Acq On : 3 Dec 2015 16:09
 Operator : UM/IZ
 Sample : G4585-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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...	4.65	31.5	ng	1815490	1	6.52	1152510	20.0
unknown6.30	6.30	104.1	ng	6000600	1	6.52	1152510	20.0
Nonadecane, 9-met...	10.49	7.6	ng	628068	4	11.09	1653850	20.0
n-Hexadecanoic acid	11.80	9.3	ng	772823	4	11.09	1653850	20.0
Benzaldehyde, 3,5...	11.84	8.5	ng	705612	4	11.09	1653850	20.0
9,10-Anthracenedione	12.11	7.9	ng	654526	4	11.09	1653850	20.0
Benzo[e]pyrene	16.41	9.5	ng	497439	6	16.79	1052220	20.0
unknown16.58	16.58	8.4	ng	442104	6	16.79	1052220	20.0
unknown17.35	17.35	8.8	ng	463785	6	16.79	1052220	20.0
1,2:7,8-Dibenzoph...	18.36	10.1	ng	528666	6	16.79	1052220	20.0
3,4:9,10-Dibenzop...	20.42	19.6	ng	1028840	6	16.79	1052220	20.0
3,4:8,9-Dibenzopy...	20.57	12.2	ng	640157	6	16.79	1052220	20.0
unknown20.63	20.63	9.8	ng	515284	6	16.79	1052220	20.0
1,2:4,5-Dibenzopy...	21.33	7.1	ng	373353	6	16.79	1052220	20.0
Coronene	21.41	17.2	ng	905291	6	16.79	1052220	20.0