

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083438.D
 Acq On : 3 Dec 2015 2:19
 Operator : UM/IZ
 Sample : G4582-14 20X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP1-112415

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	4.910	280	282	287	rBV	195458	300478	3.55%	0.312%
2	5.139	300	302	309	rBV	82919	167845	1.98%	0.174%
3	5.322	316	318	324	rVB	96283	142938	1.69%	0.148%
4	6.224	395	397	400	rVV	125180	204704	2.42%	0.212%
5	6.316	403	405	408	rVV	172935	250117	2.96%	0.260%
6	6.362	408	409	413	rVB2	164887	219966	2.60%	0.228%
7	6.533	423	424	426	rBV	703413	817474	9.66%	0.848%
8	6.716	436	440	443	rVB	719925	946021	11.18%	0.982%
9	6.807	445	448	449	rBV	154887	181869	2.15%	0.189%
10	7.093	465	473	474	rBV2	118834	373440	4.41%	0.387%
11	7.116	474	475	478	rVV2	153655	214479	2.54%	0.223%
12	7.185	478	481	485	rVB5	56705	192978	2.28%	0.200%
13	7.356	494	496	498	rBV	184848	228451	2.70%	0.237%
14	7.459	503	505	508	rBV	188770	270527	3.20%	0.281%
15	7.573	513	515	517	rBV3	187698	276599	3.27%	0.287%
16	7.607	517	518	521	rVB2	139785	150469	1.78%	0.156%
17	7.653	521	522	525	rVB3	105486	170571	2.02%	0.177%
18	7.733	525	529	531	rBV3	187049	329978	3.90%	0.342%
19	7.859	535	540	542	rBV2	5619911	8459109	100.00%	8.777%
20	7.916	542	545	548	rVB2	614066	569681	6.73%	0.591%
21	8.008	551	553	554	rBV	134283	211876	2.50%	0.220%
22	8.042	554	556	558	rVB2	310193	319677	3.78%	0.332%
23	8.122	558	563	565	rBV5	282969	626827	7.41%	0.650%
24	8.156	565	566	568	rBV2	140882	204905	2.42%	0.213%
25	8.202	568	570	571	rBV	255749	281005	3.32%	0.292%
26	8.236	571	573	574	rVB2	182711	243011	2.87%	0.252%
27	8.282	574	577	580	rBV	1122934	1778849	21.03%	1.846%
28	8.339	580	582	583	rVB	207307	254790	3.01%	0.264%
29	8.385	583	586	589	rBV2	330176	557482	6.59%	0.578%
30	8.442	589	591	593	rBV2	264291	527124	6.23%	0.547%
31	8.499	594	596	598	rBV3	216485	231359	2.74%	0.240%
32	8.545	598	600	601	rVB	1943858	1771828	20.95%	1.838%
33	8.613	604	606	607	rBV2	164522	189412	2.24%	0.197%
34	8.636	607	608	612	rVB	1249749	1350099	15.96%	1.401%

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35	8.728	613	616	617	rBV2	282772	529919	6.26%	0.550%
36	8.819	622	624	625	rBV	312645	381466	4.51%	0.396%
37	8.876	625	629	631	rBV	2026269	2163600	25.58%	2.245%
38	8.910	631	632	635	rVB	236428	217501	2.57%	0.226%
39	9.002	638	640	643	rBV3	814933	1546904	18.29%	1.605%
40	9.105	646	649	652	rVB2	412346	1008265	11.92%	1.046%
41	9.173	652	655	656	rBV	519677	840895	9.94%	0.872%
42	9.242	660	661	664	rBV3	402362	592225	7.00%	0.614%
43	9.333	666	669	670	rBV2	2278744	2622084	31.00%	2.721%
44	9.436	677	678	679	rVB	932074	638937	7.55%	0.663%
45	9.539	685	687	688	rBV	277830	375025	4.43%	0.389%
46	9.573	688	690	692	rVV	1560375	2140680	25.31%	2.221%
47	9.608	692	693	697	rVB	2389262	2181752	25.79%	2.264%
48	9.802	704	710	713	rBV4	709439	2098171	24.80%	2.177%
49	9.859	713	715	717	rBV	1261912	1121875	13.26%	1.164%
50	9.893	717	718	722	rBV4	219345	486118	5.75%	0.504%
51	9.985	724	726	727	rVB	624123	617521	7.30%	0.641%
52	10.031	727	730	731	rBV3	399064	728823	8.62%	0.756%
53	10.122	737	738	739	rBV	940806	745622	8.81%	0.774%
54	10.259	747	750	752	rBV	3012222	3531832	41.75%	3.665%
55	10.362	758	759	761	rVB	823266	812507	9.61%	0.843%
56	10.533	771	774	777	rVB	4336895	4914950	58.10%	5.100%
57	10.728	789	791	792	rBV2	514348	718323	8.49%	0.745%
58	10.762	792	794	797	rVB2	715053	965355	11.41%	1.002%
59	11.048	817	819	822	rVB	2976394	3562255	42.11%	3.696%
60	11.151	823	828	829	rVV2	3395001	4756121	56.22%	4.935%
61	11.208	831	833	835	rVB	1206144	1106803	13.08%	1.148%
62	11.459	853	855	857	rBV	897961	1195532	14.13%	1.240%
63	11.859	888	890	892	rBV	1156153	1362351	16.11%	1.414%
64	12.111	910	912	917	rVB3	484911	1011791	11.96%	1.050%
65	12.431	937	940	943	rBV2	391158	835705	9.88%	0.867%
66	12.659	957	960	962	rVB	1738461	2410523	28.50%	2.501%
67	12.785	968	971	975	rVB	513504	842331	9.96%	0.874%
68	12.968	984	987	990	rVB	2791483	3619477	42.79%	3.755%
69	13.288	1012	1015	1019	rVB4	265454	623894	7.38%	0.647%
70	13.414	1023	1026	1027	rBV2	202674	438676	5.19%	0.455%
71	13.539	1035	1037	1039	rVB	307355	369910	4.37%	0.384%

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72	13.585	1039	1041	1044	rVB	270613	354018	4.19%	0.367%
73	13.722	1051	1053	1055	rVB	326674	445030	5.26%	0.462%
74	13.768	1055	1057	1061	rVB	201438	345754	4.09%	0.359%
75	14.351	1105	1108	1110	rBV3	154765	306155	3.62%	0.318%
76	14.397	1110	1112	1113	rBV	174840	243516	2.88%	0.253%
77	14.728	1137	1141	1144	rBV3	1252835	2941971	34.78%	3.053%
78	14.774	1144	1145	1148	rVB	874835	874481	10.34%	0.907%
79	14.957	1159	1161	1165	rVB	366719	489260	5.78%	0.508%
80	15.345	1192	1195	1198	rVB	190263	315944	3.73%	0.328%
81	15.665	1221	1223	1227	rVB	96039	146539	1.73%	0.152%
82	16.294	1274	1278	1284	rBV	996639	2431861	28.75%	2.523%
83	16.431	1287	1290	1293	rVB	252805	374749	4.43%	0.389%
84	16.660	1307	1310	1313	rVB	907491	1250678	14.78%	1.298%
85	16.728	1313	1316	1320	rVB2	1247581	2112488	24.97%	2.192%
86	16.808	1320	1323	1324	rBV	519410	839407	9.92%	0.871%
87	16.831	1324	1325	1328	rVB	174451	234884	2.78%	0.244%
88	17.380	1370	1373	1378	rVB	204170	402655	4.76%	0.418%
89	18.043	1428	1431	1434	rBV2	169298	371178	4.39%	0.385%
90	18.180	1440	1443	1448	rBV2	677004	1310339	15.49%	1.360%
91	18.340	1455	1457	1459	rBV	104691	169978	2.01%	0.176%
92	18.386	1459	1461	1465	rVV	103927	199373	2.36%	0.207%
93	18.557	1472	1476	1480	rVB	713257	1281278	15.15%	1.329%
94	18.751	1490	1493	1503	rVB	154303	378084	4.47%	0.392%
95	19.552	1559	1563	1566	rBV3	60079	161627	1.91%	0.168%
96	20.443	1637	1641	1649	rVB	125199	388927	4.60%	0.404%
97	20.603	1651	1655	1658	rBV2	60432	190827	2.26%	0.198%
98	20.855	1674	1677	1683	rBV	39528	129015	1.53%	0.134%
99	21.369	1718	1722	1724	rBV	51697	154859	1.83%	0.161%
100	21.437	1724	1728	1734	rVB	113183	402160	4.75%	0.417%

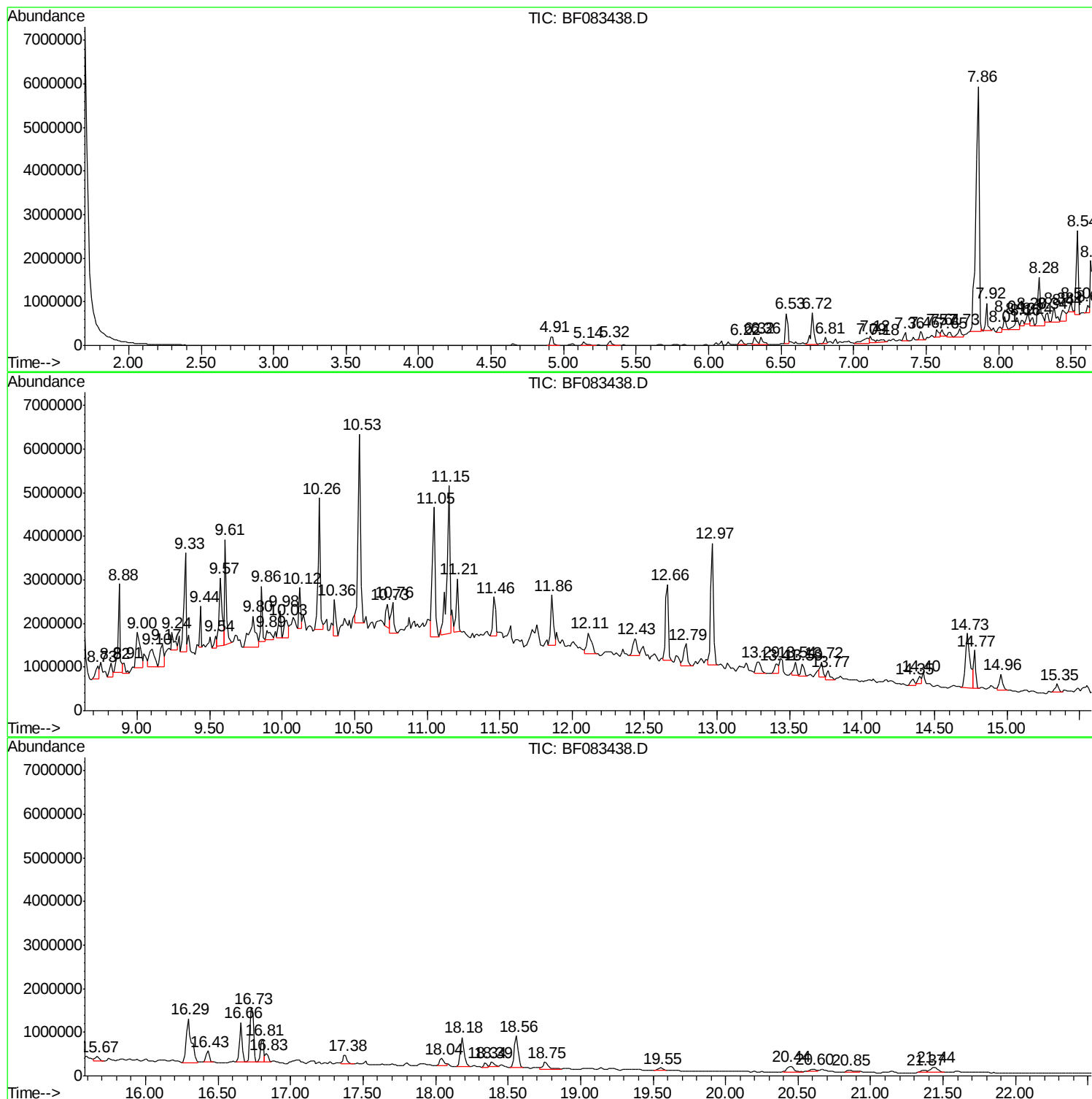
Sum of corrected areas: 96378692

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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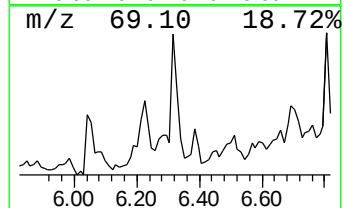
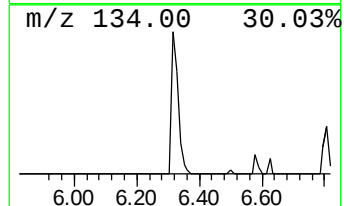
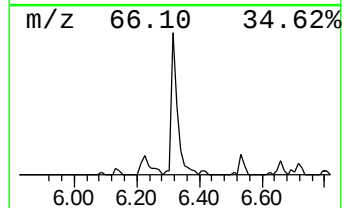
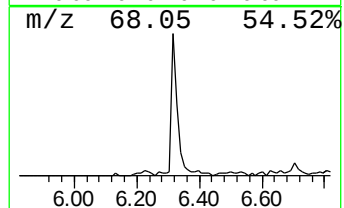
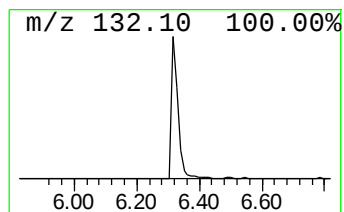
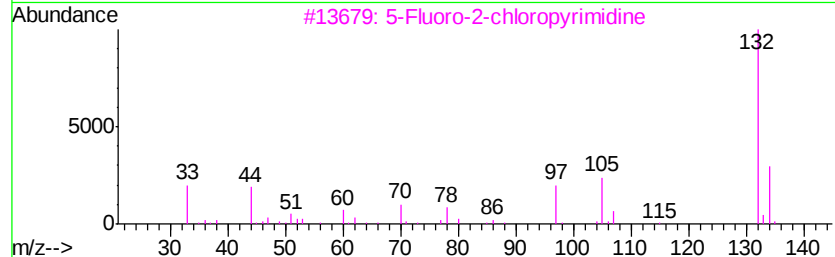
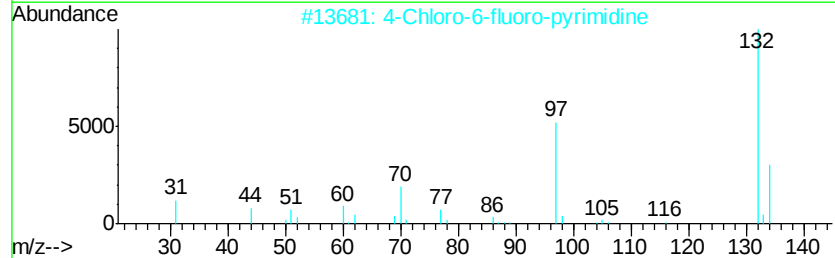
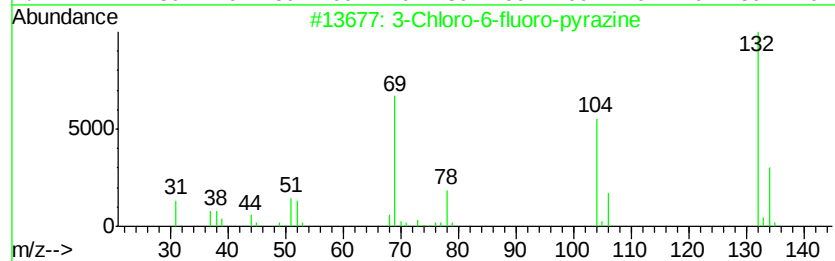
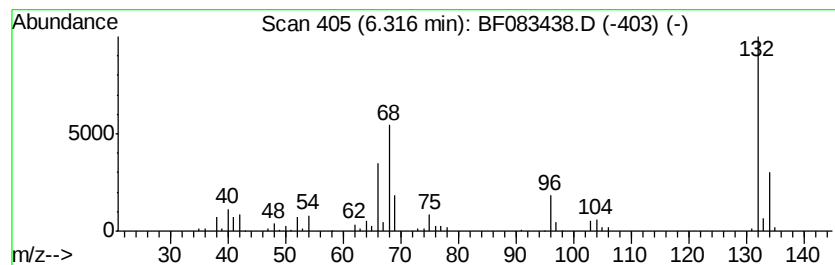
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.32 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	6.12 ng	250117	1,4-Dichlorobenzene-d4	6.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	12
5		5-Aminoindole	132	C8H8N2	005192-03-0	10



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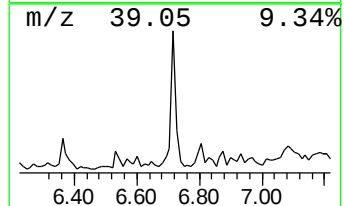
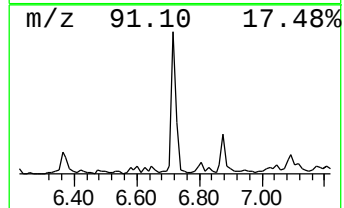
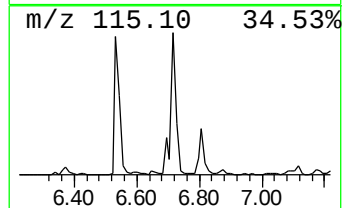
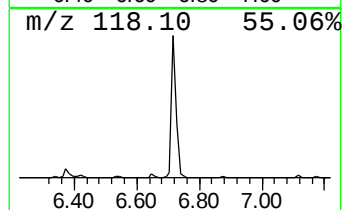
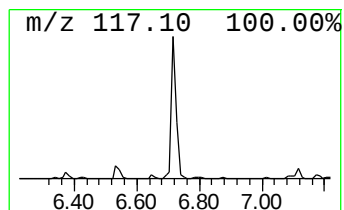
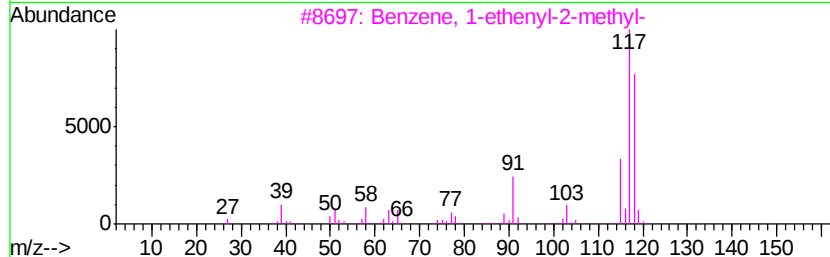
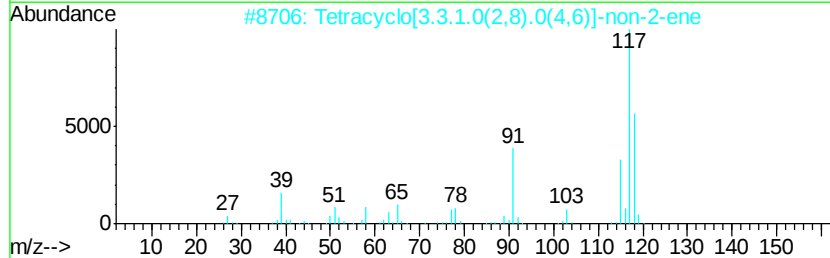
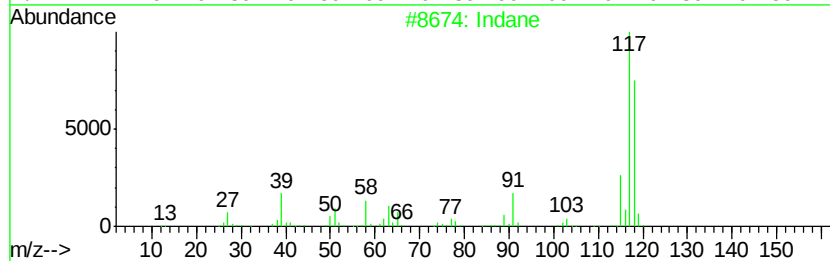
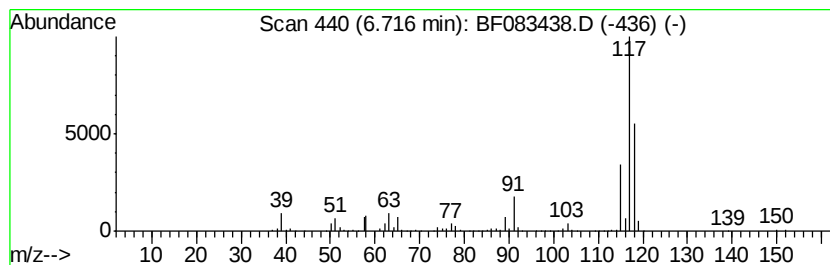
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	23.15 ng	946021	1,4-Dichlorobenzene-d4	6.53

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	93
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-	...	118	C9H10	1000191-13-7	80
3	Benzene, 1-ethenyl-2-methyl-		118	C9H10	000611-15-4	64
4	Benzene, 1-ethenyl-4-methyl-		118	C9H10	000622-97-9	64
5	Benzene, cyclopropyl-		118	C9H10	000873-49-4	64



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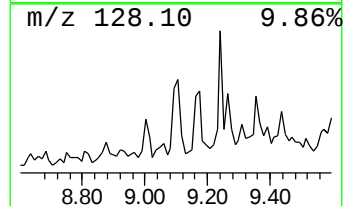
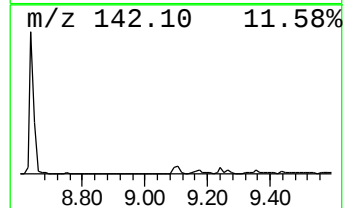
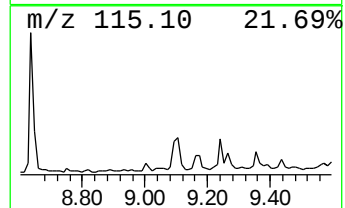
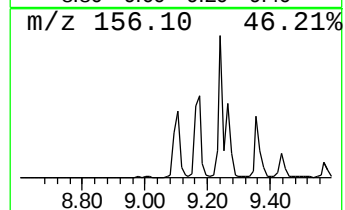
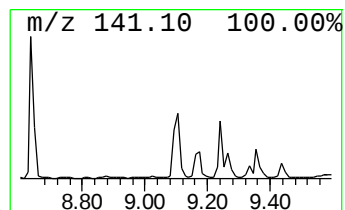
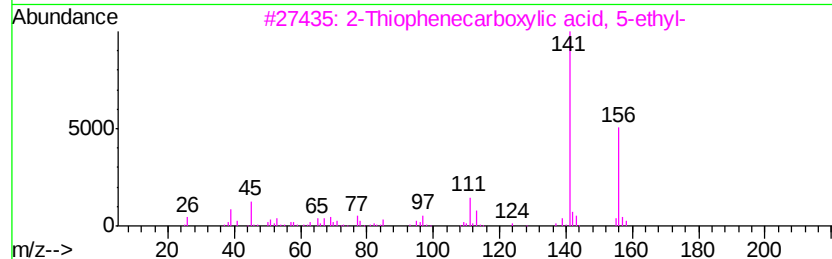
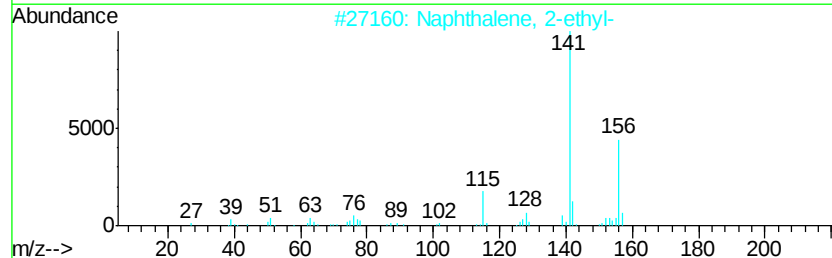
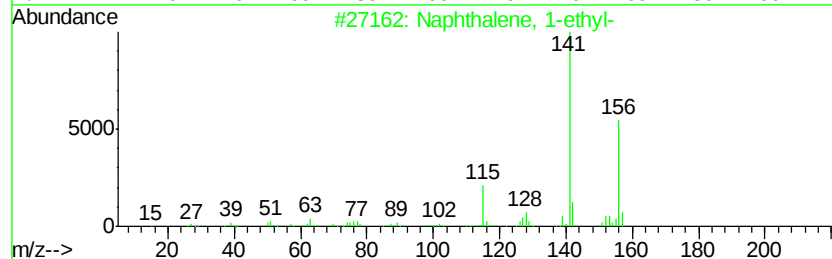
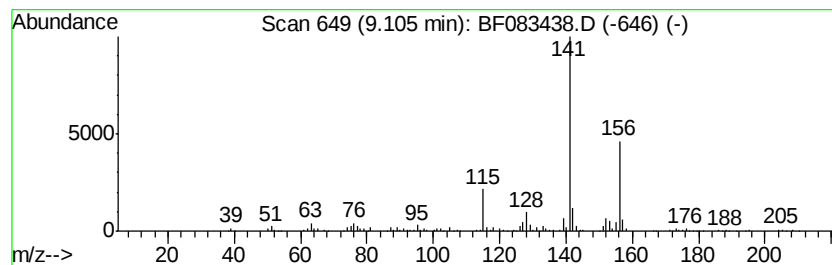
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Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	9.42 ng	1008270	Acenaphthene-d10	9.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3		2-Thiophenecarboxylic acid, 5-ethyl-	156	C7H8O2S	023229-72-3	59
4		Naphthalene, 1-propyl-	170	C13H14	002765-18-6	53
5		Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
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Acq On : 3 Dec 2015 2:19
Operator : UM/IZ
Sample : G4582-14 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP1-112415

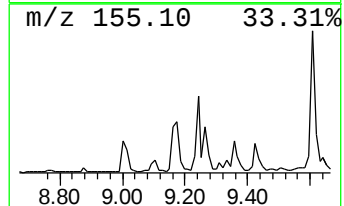
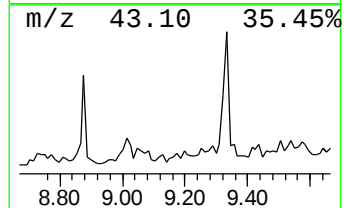
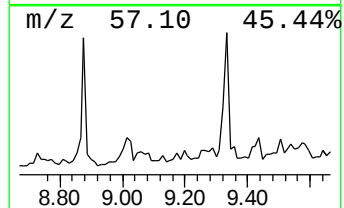
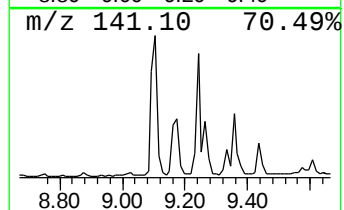
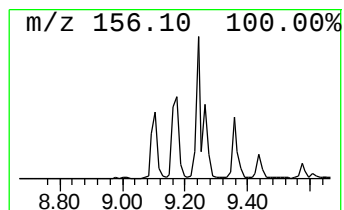
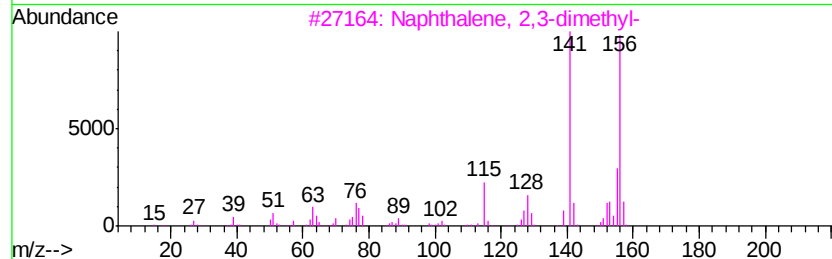
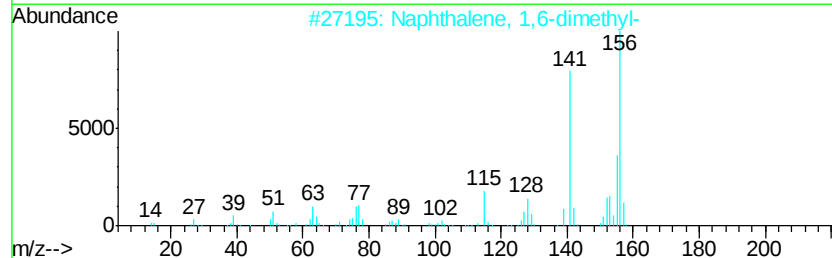
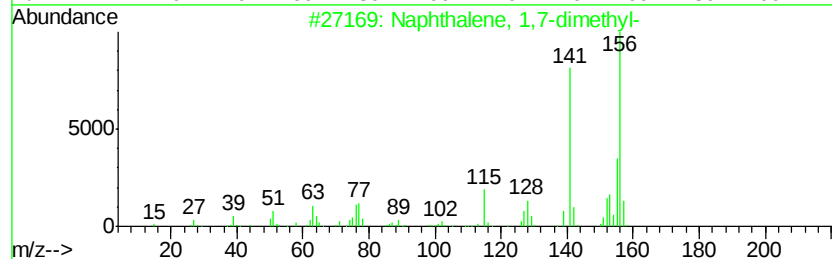
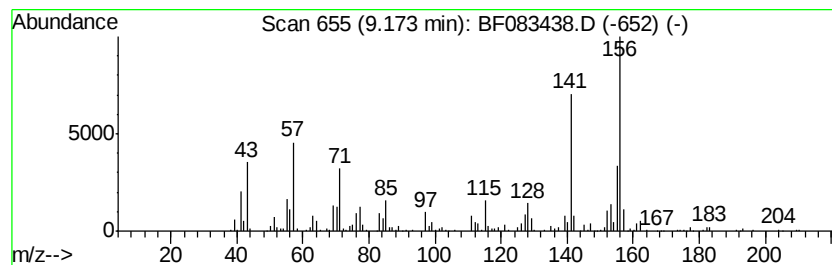
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	7.86 ng	840895	Acenaphthene-d10	9.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083438.D
Acq On : 3 Dec 2015 2:19
Operator : UM/IZ
Sample : G4582-14 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP1-112415

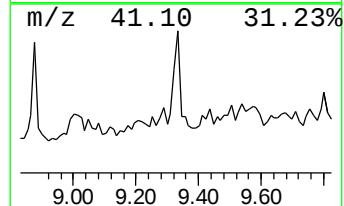
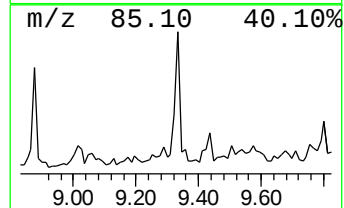
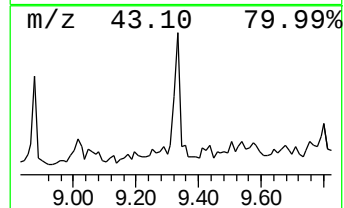
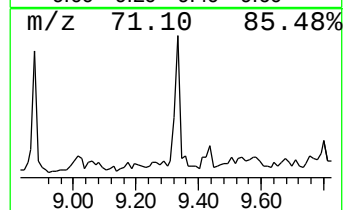
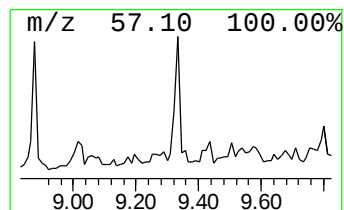
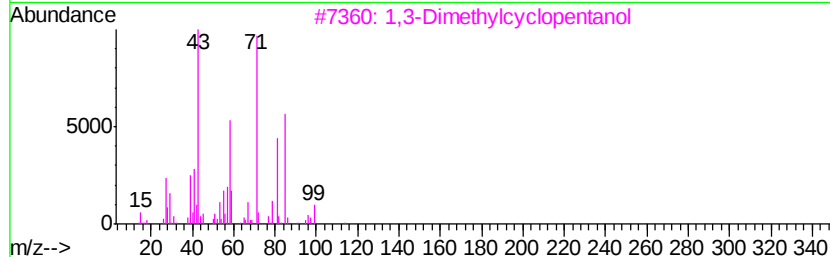
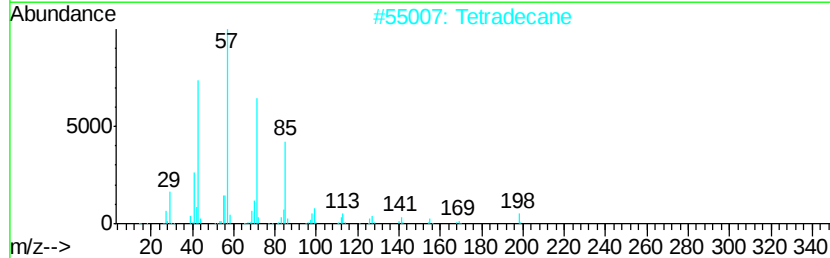
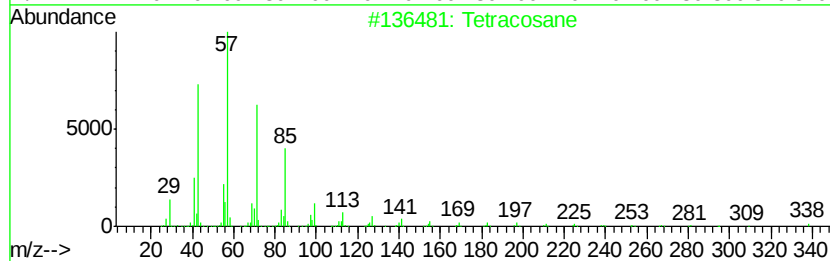
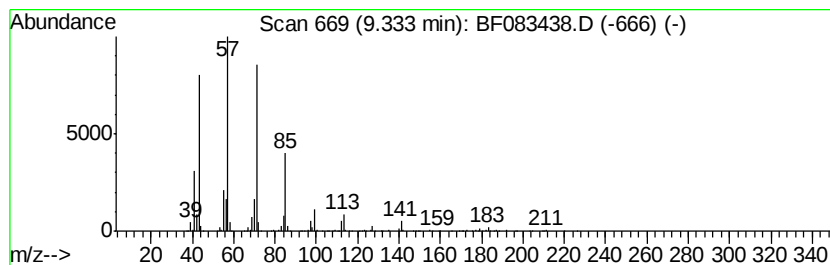
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	24.50 ng	2622080	Acenaphthene-d10	9.57

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetracosane	338	C24H50	000646-31-1	83
2		Tetradecane	198	C14H30	000629-59-4	83
3		1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	72
4		Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	70
5		Eicosane	282	C20H42	000112-95-8	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083438.D
Acq On : 3 Dec 2015 2:19
Operator : UM/IZ
Sample : G4582-14 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP1-112415

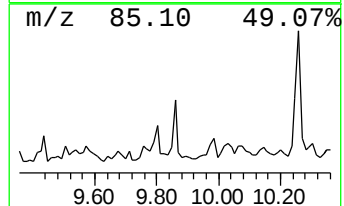
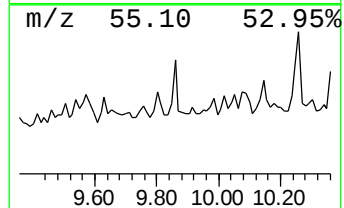
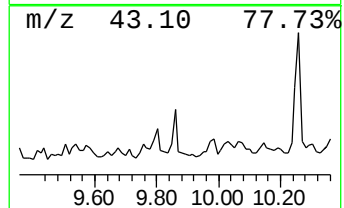
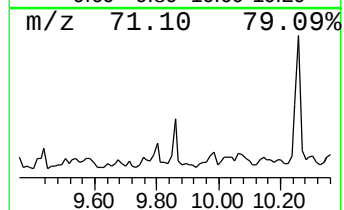
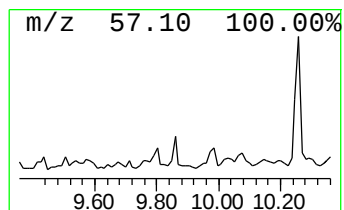
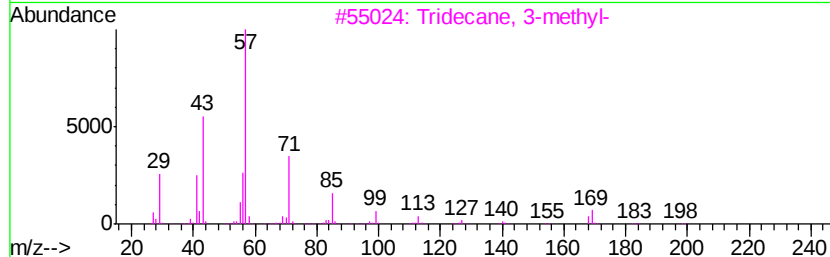
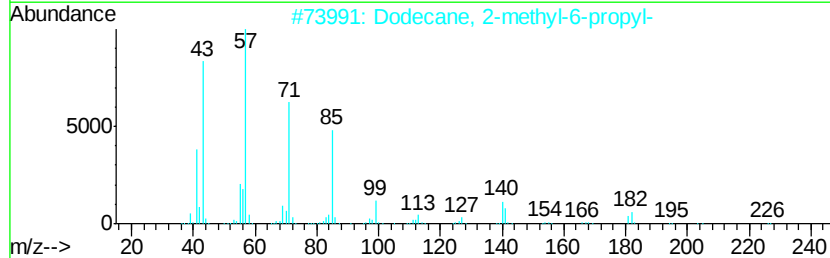
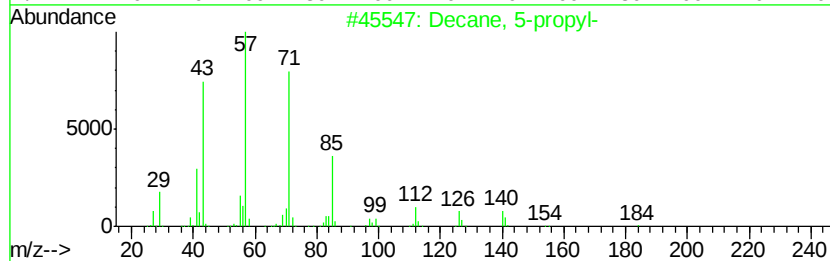
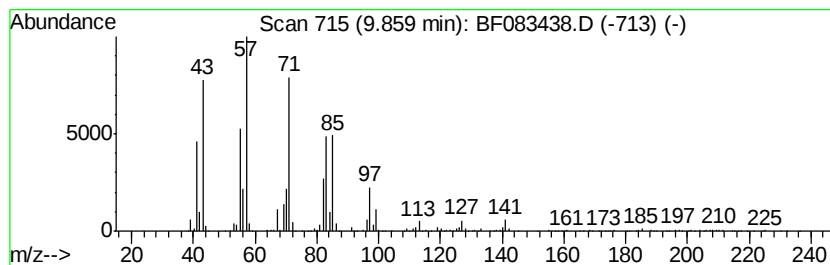
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Decane, 5-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	10.48 ng	1121880	Acenaphthene-d10	9.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-propyl-	184	C13H28	017312-62-8	53
2		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	52
3		Tridecane, 3-methyl-	198	C14H30	006418-41-3	52
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	50
5		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083438.D
Acq On : 3 Dec 2015 2:19
Operator : UM/IZ
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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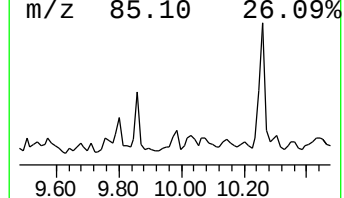
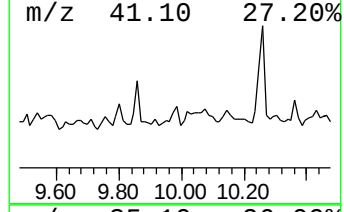
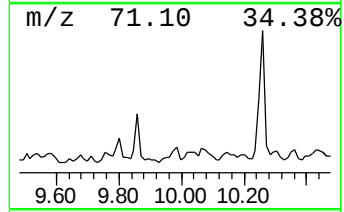
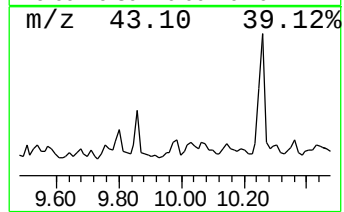
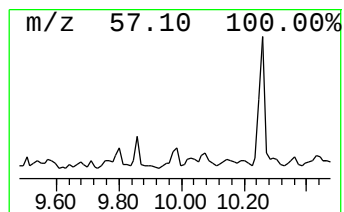
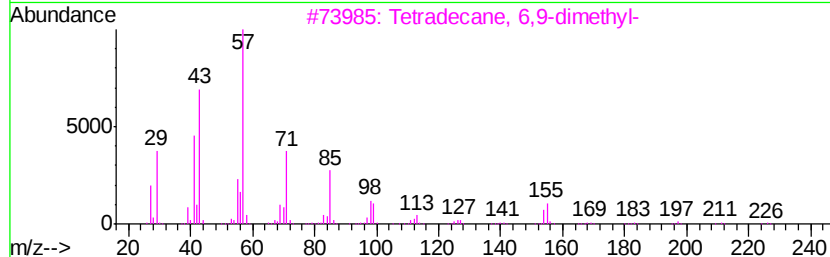
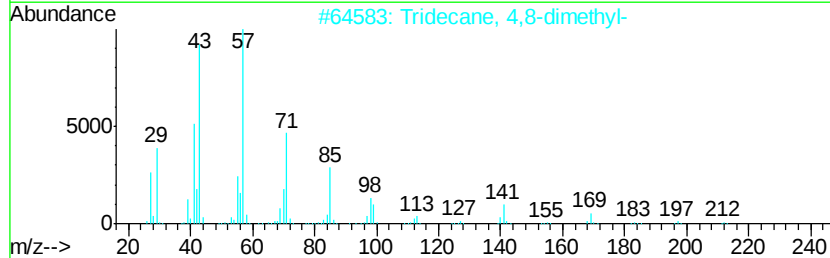
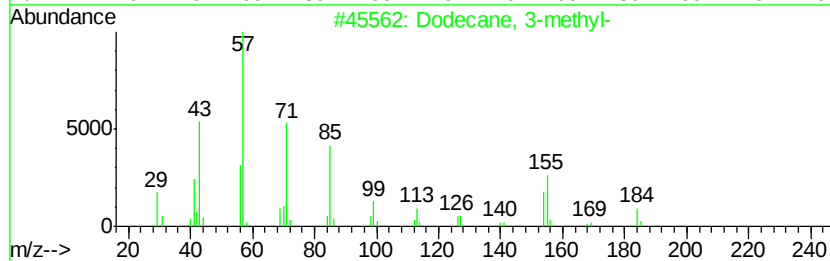
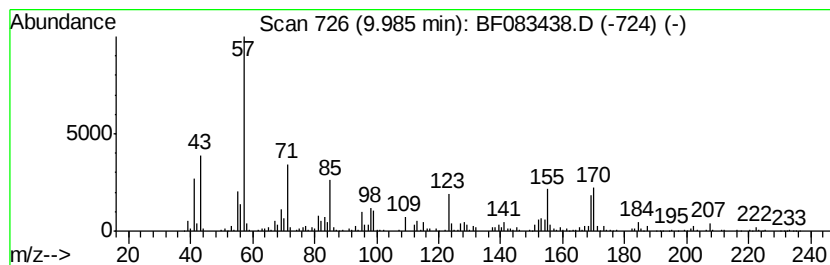
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown9.98 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	5.77 ng	617521	Acenaphthene-d10	9.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	41
2		Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	38
3		Tetradecane, 6,9-dimethyl-	226	C16H34	055045-13-1	35
4		Octacosane	394	C28H58	000630-02-4	30
5		Dodecane	170	C12H26	000112-40-3	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083438.D
Acq On : 3 Dec 2015 2:19
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ClientSampleId :
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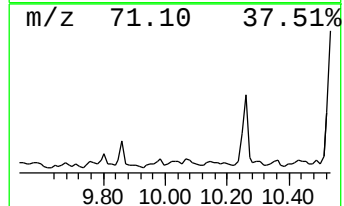
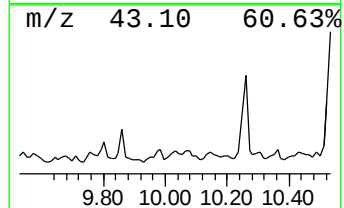
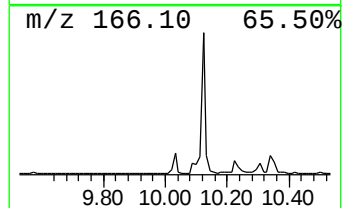
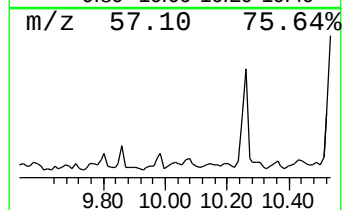
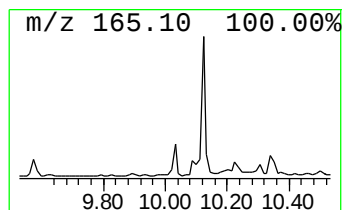
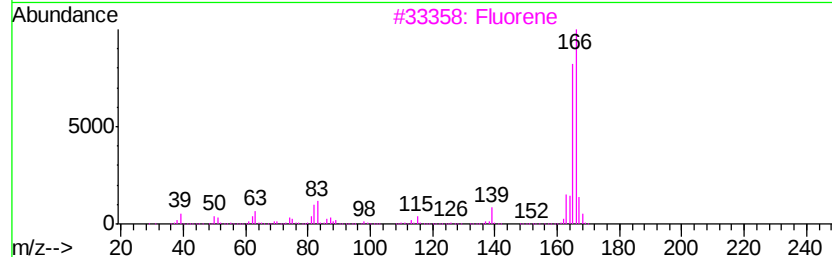
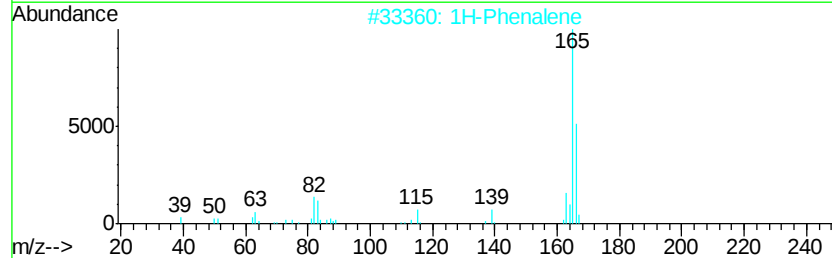
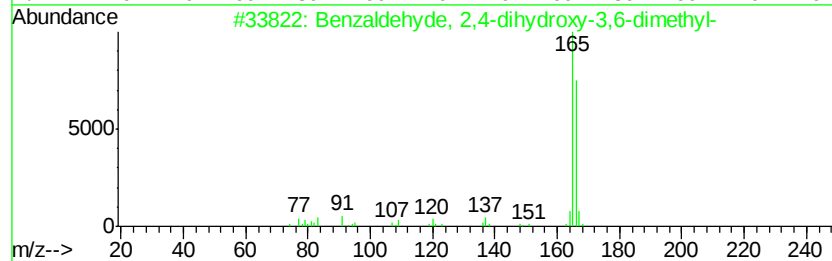
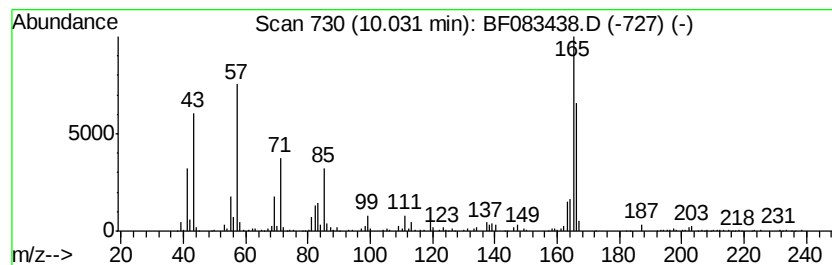
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzaldehyde, 2,4-dihydroxy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	6.81 ng	728823	Acenaphthene-d10	9.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzaldehydve, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	59
2		1H-Phenylene	166	C13H10	000203-80-5	49
3		Fluorene	166	C13H10	000086-73-7	35
4		Benzaldehydve, 2-hydroxy-4-methoxy...	166	C9H10O3	034883-08-4	30
5		Benzaldehyde, 4,6-dihydroxy-2,3-...	166	C9H10O3	002990-31-0	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083438.D
Acq On : 3 Dec 2015 2:19
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ClientSampleId :
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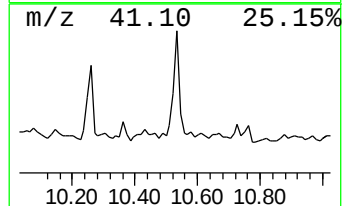
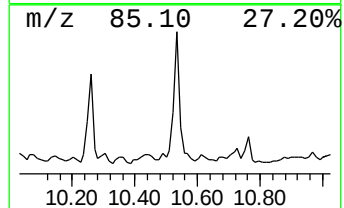
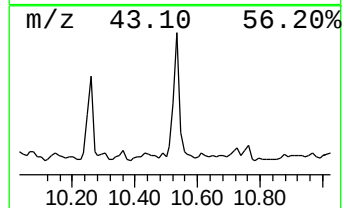
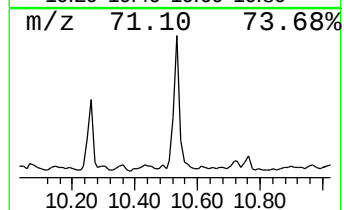
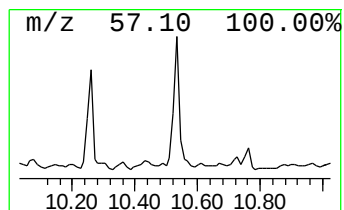
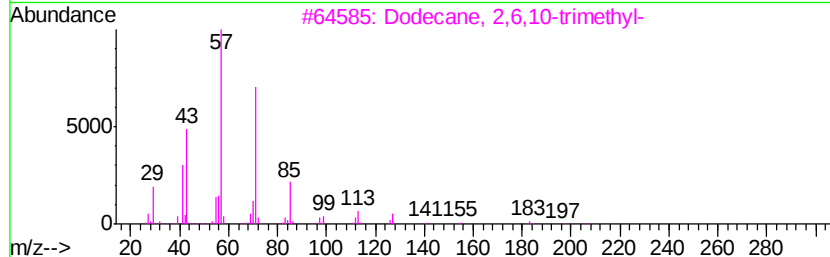
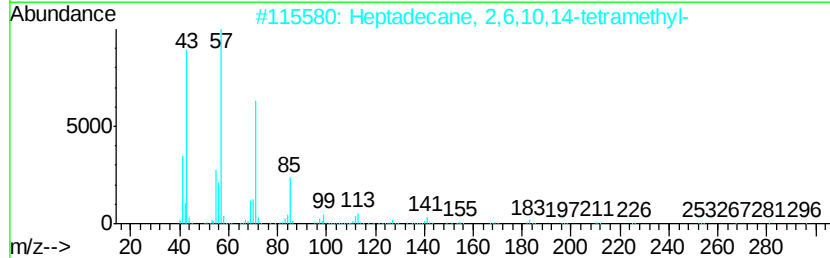
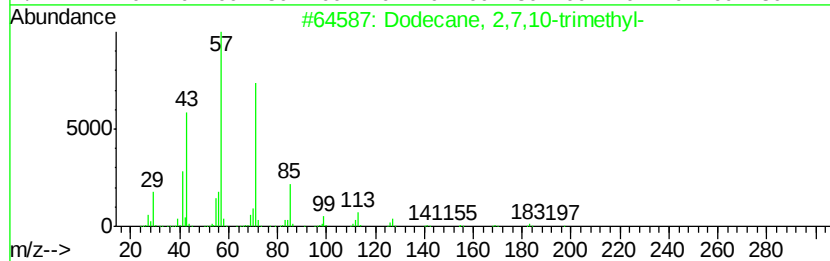
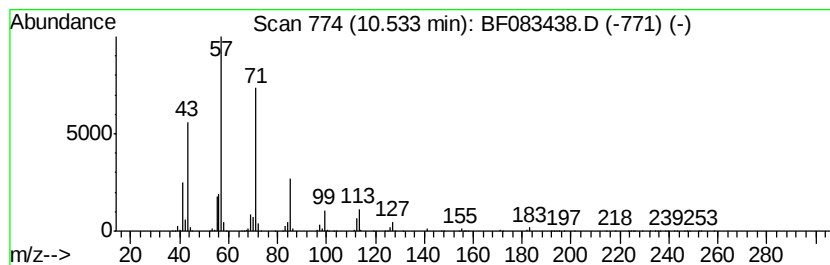
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dodecane, 2,7,10-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	20.67 ng	4914950	Phenanthrene-d10	11.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	83
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083438.D
Acq On : 3 Dec 2015 2:19
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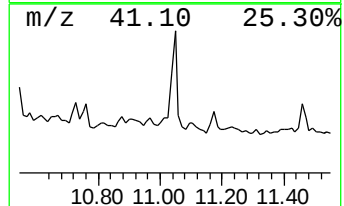
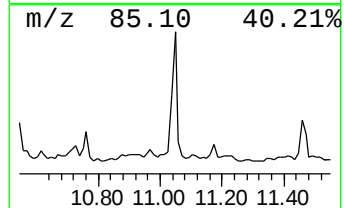
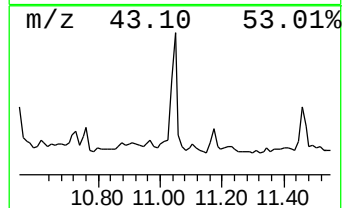
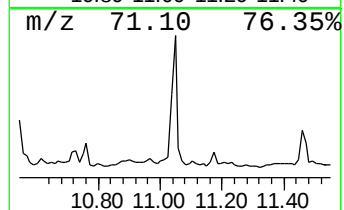
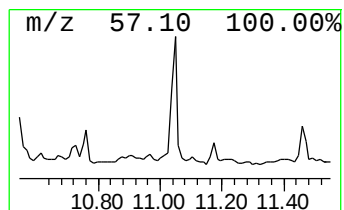
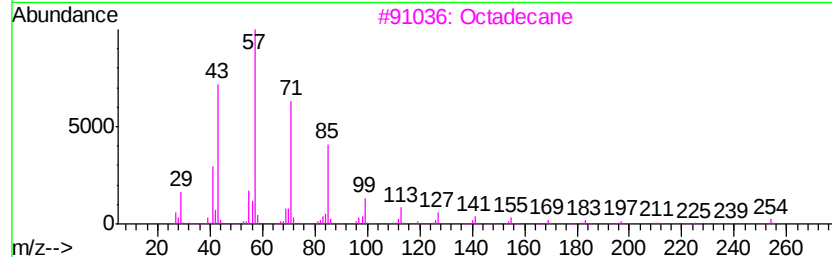
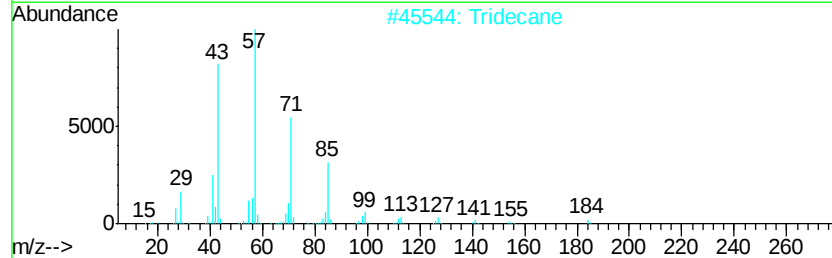
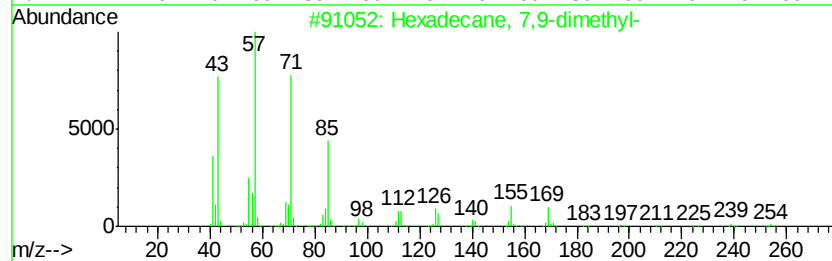
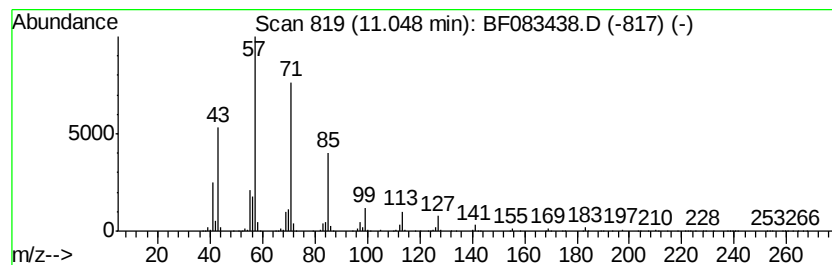
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexadecane, 7,9-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	14.98 ng	3562260	Phenanthrene-d10	11.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	90
2		Tridecane	184	C13H28	000629-50-5	87
3		Octadecane	254	C18H38	000593-45-3	87
4		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	87
5		Tridecane, 6-propyl-	226	C16H34	055045-10-8	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083438.D
Acq On : 3 Dec 2015 2:19
Operator : UM/IZ
Sample : G4582-14 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP1-112415

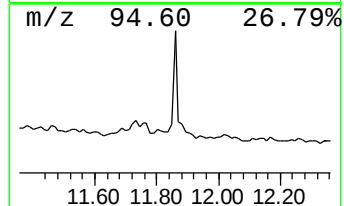
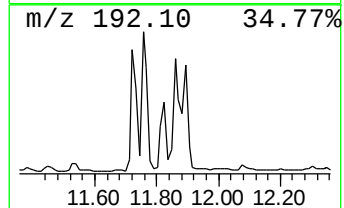
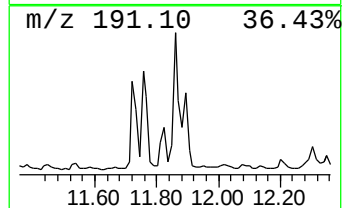
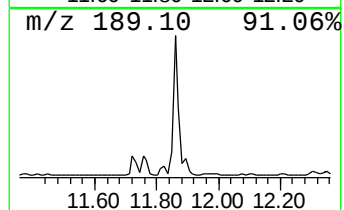
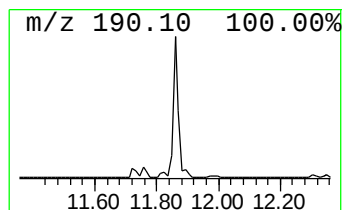
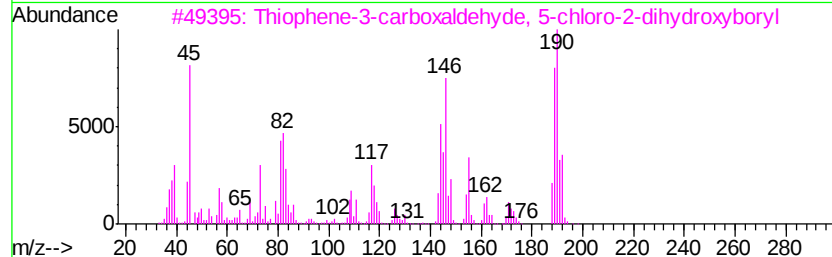
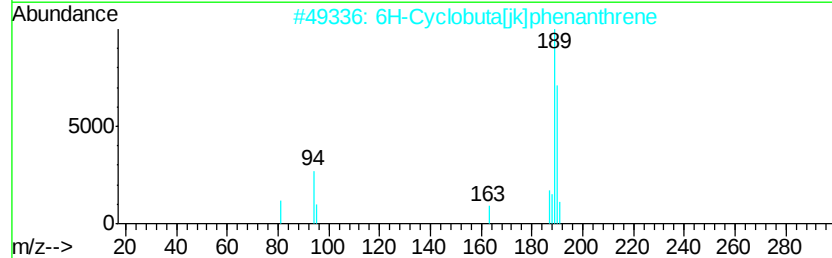
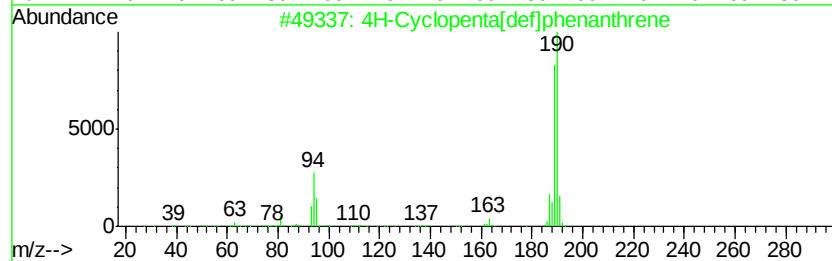
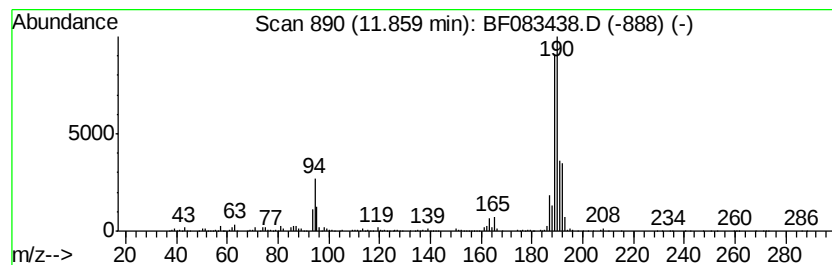
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.73 ng	1362350	Phenanthrene-d10	11.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3		Thiophene-3-carboxaldehyde, 5-chloro-2-dihydroxyboryl	190	C5H4BClO3S	036155-87-0	53
4		2,3,5,6-Tetramethylterephthalaldehyde	190	C12H14O2	007072-01-7	50
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083438.D
Acq On : 3 Dec 2015 2:19
Operator : UM/IZ
Sample : G4582-14 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP1-112415

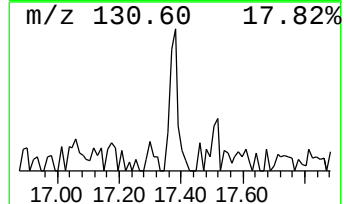
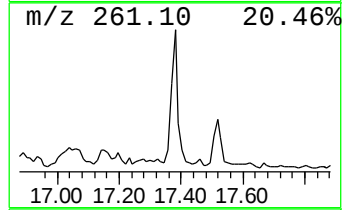
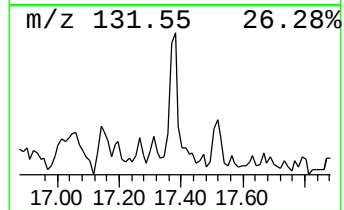
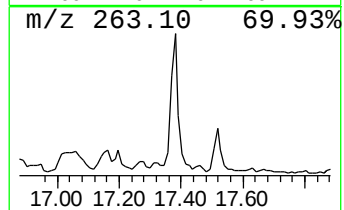
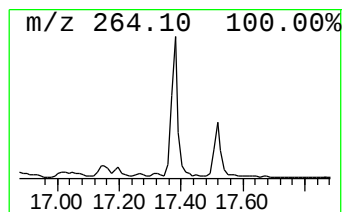
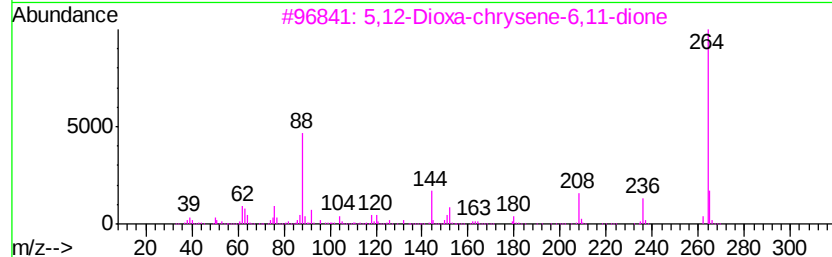
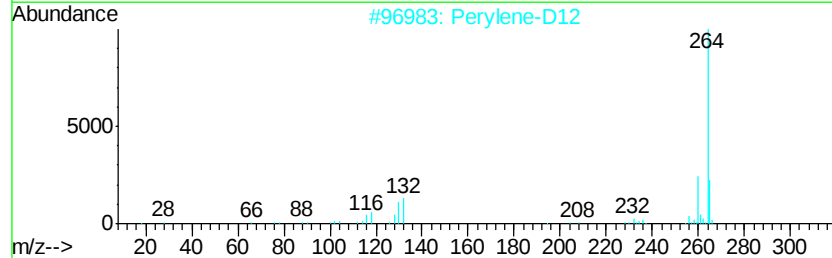
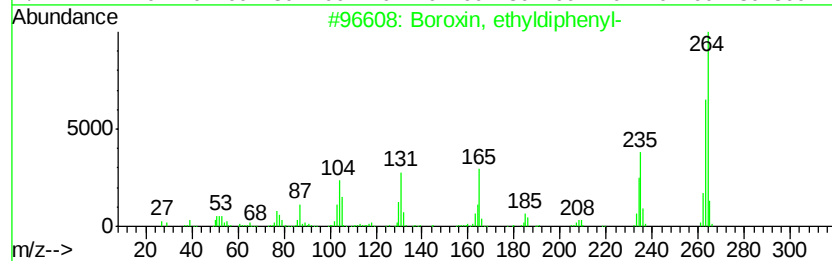
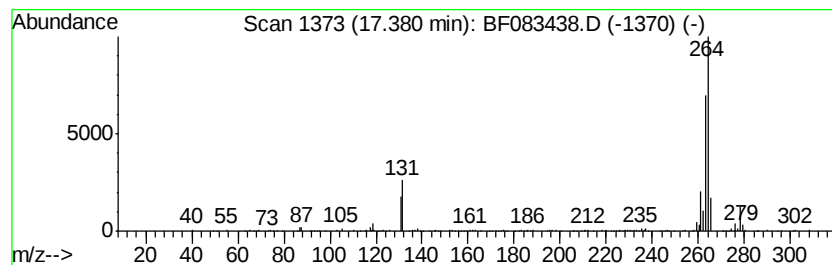
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown17.38 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	9.59 ng	402655	Perylene-d12	16.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	45
2		Perylene-D12	264	C20D12	001520-96-3	23
3		5,12-Dioxo-chrysene-6,11-dione	264	C16H8O4	002288-98-4	17
4		2,3,5,6-Tetrachlorophenylmethyls...	276	C7H4Cl4OS	107409-52-9	10
5		7-Carbomethoxy-5,8-dimethoxy-1-t...	264	C14H16O5	122136-07-6	10



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083438.D
Acq On : 3 Dec 2015 2:19
Operator : UM/IZ
Sample : G4582-14 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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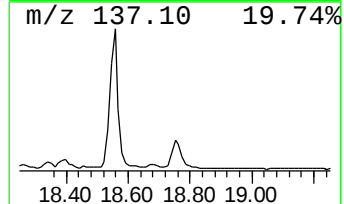
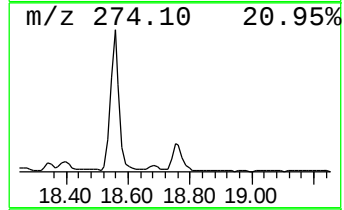
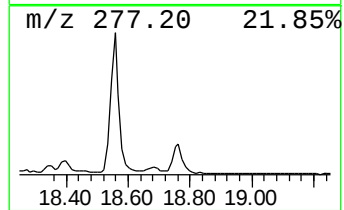
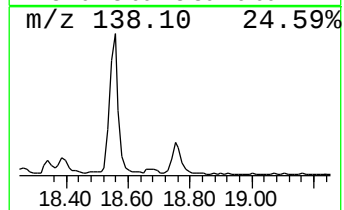
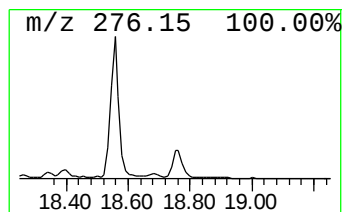
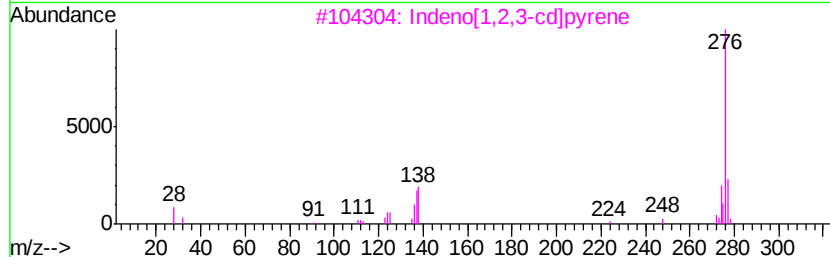
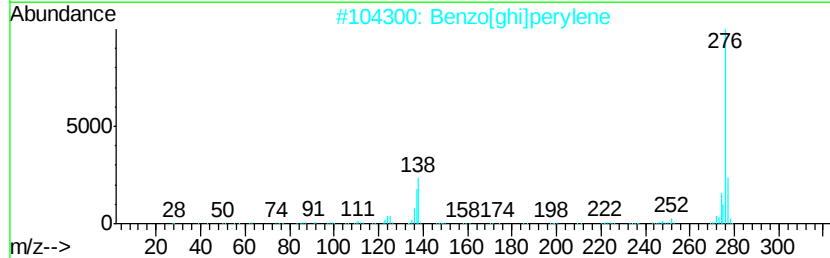
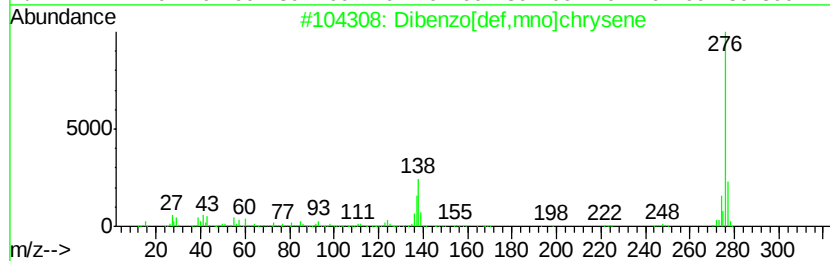
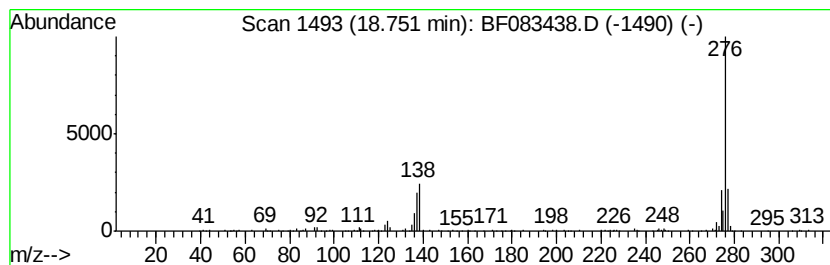
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	9.01 ng	378084	Perylene-d12	16.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5		3-[(2-Fluoro-4-nitro-phenylimino...	276	C13H9FN2O4	1000295-49-7	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083438.D
Acq On : 3 Dec 2015 2:19
Operator : UM/IZ
Sample : G4582-14 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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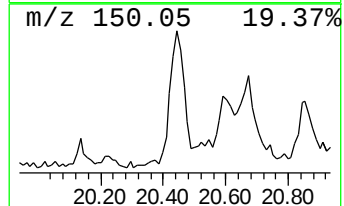
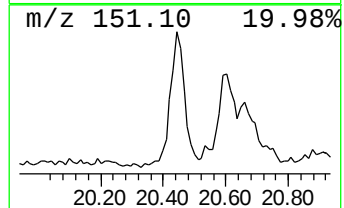
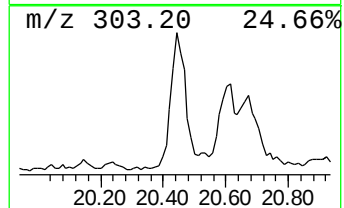
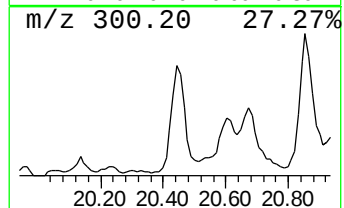
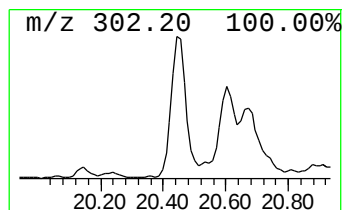
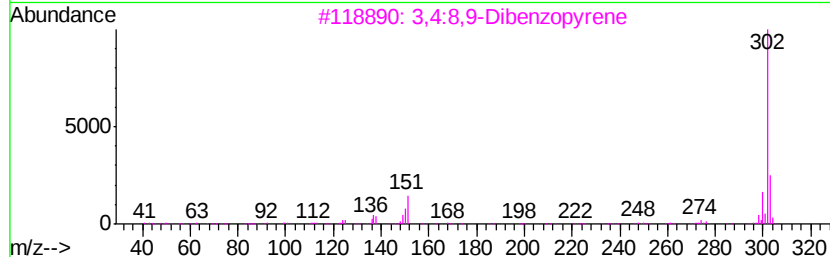
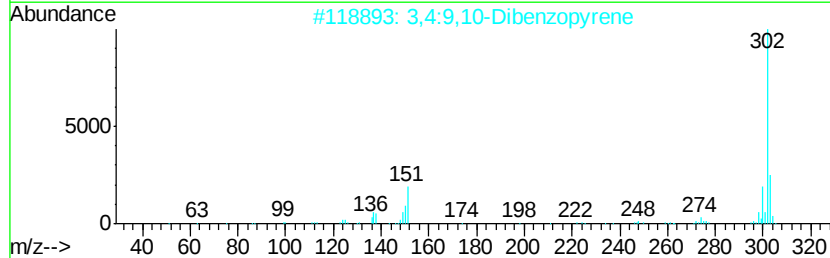
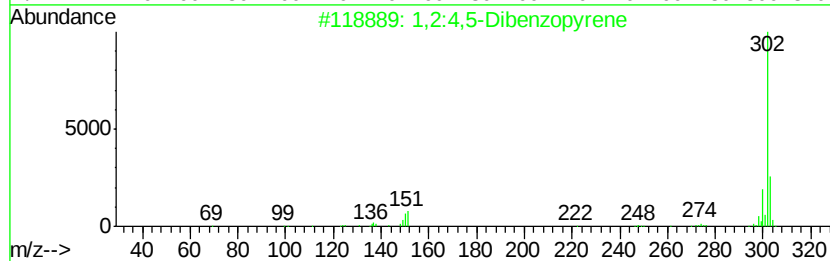
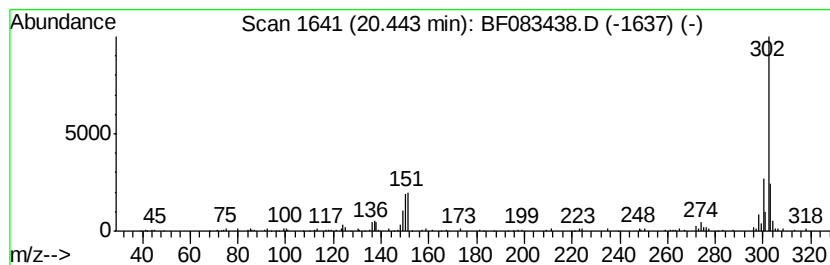
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	9.27 ng	388927	Perylene-d12	16.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	98
2			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
3			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	97
4			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
5			Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
Data File : BF083438.D
Acq On : 3 Dec 2015 2:19
Operator : UM/IZ
Sample : G4582-14 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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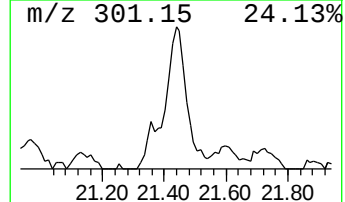
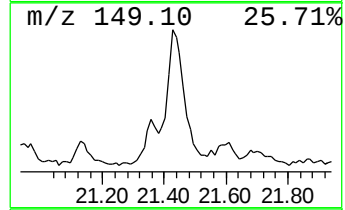
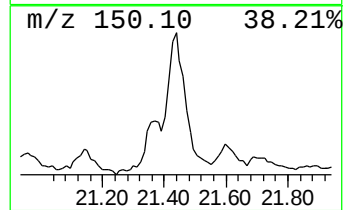
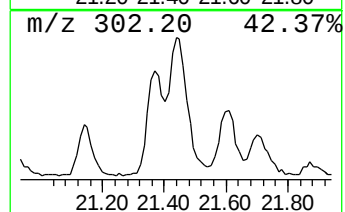
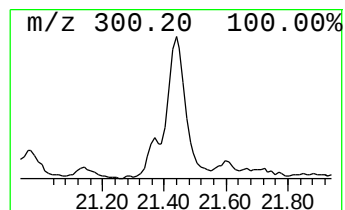
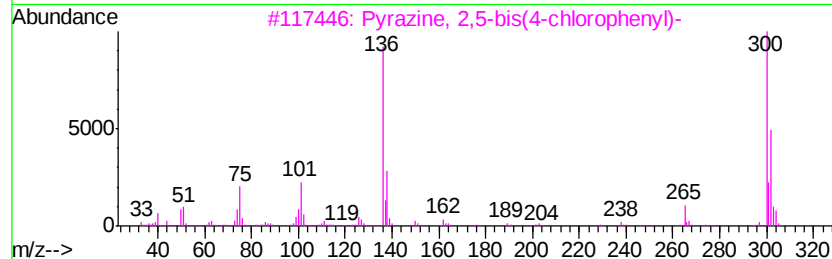
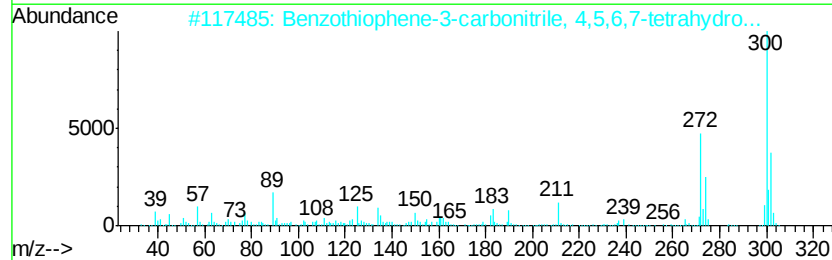
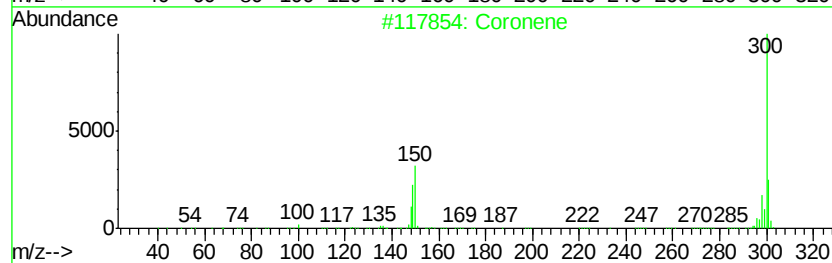
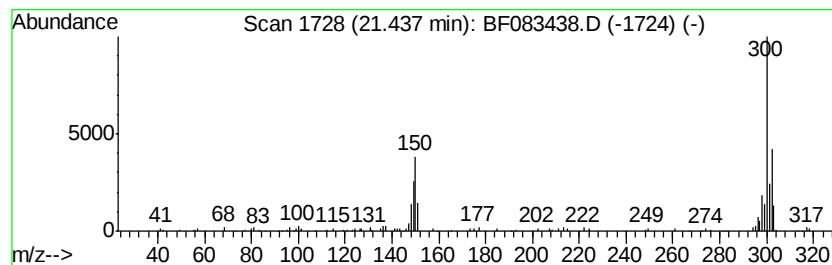
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Coronene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	9.58 ng	402160	Perylene-d12	16.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Coronene	300	C24H12	000191-07-1	96
2		Benzothiophene-3-carbonitrile, 4...	300	C16H13ClN2S	069438-07-9	50
3		Pvrazine, 2,5-bis(4-chlorophenvl)-	300	C16H10Cl2N2	074376-33-3	47
4		4-[p-Chlorophenoxy]-6-methoxy-8-...	300	C16H13ClN2O2	063456-90-6	47
5		Androst-4-ene-3,6,17-trione	300	C19H24O3	002243-06-3	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120215\
 Data File : BF083438.D
 Acq On : 3 Dec 2015 2:19
 Operator : UM/IZ
 Sample : G4582-14 20X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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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
unknown6.32	6.32	6.1 ng		250117	1	6.53	817474	20.0
Indane	6.72	23.1 ng		946021	1	6.53	817474	20.0
Naphthalene, 1-et...	9.10	9.4 ng		1008270	3	9.57	2140680	20.0
Naphthalene, 1,7-...	9.17	7.9 ng		840895	3	9.57	2140680	20.0
Tetracosane	9.33	24.5 ng		2622080	3	9.57	2140680	20.0
Decane, 5-propyl-	9.86	10.5 ng		1121880	3	9.57	2140680	20.0
unknown9.98	9.98	5.8 ng		617521	3	9.57	2140680	20.0
Benzaldehyde, 2,4...	10.03	6.8 ng		728823	3	9.57	2140680	20.0
Dodecane, 2,7,10-...	10.53	20.7 ng		4914950	4	11.12	4756120	20.0
Hexadecane, 7,9-d...	11.05	15.0 ng		3562260	4	11.12	4756120	20.0
4H-Cyclopenta[def...	11.86	5.7 ng		1362350	4	11.12	4756120	20.0
unknown17.38	17.38	9.6 ng		402655	6	16.81	839407	20.0
Dibenzo[def,mno]c...	18.75	9.0 ng		378084	6	16.81	839407	20.0
1,2:4,5-Dibenzopy...	20.44	9.3 ng		388927	6	16.81	839407	20.0
Coronene	21.44	9.6 ng		402160	6	16.81	839407	20.0