

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
 Data File : BF090523.D
 Acq On : 12 Oct 2016 1:24
 Operator : UM/SJ
 Sample : H5146-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0618

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-BF101116.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	3.091	49	66	70	rBV	105880	456529	1.34%	0.194%
2	3.263	76	81	85	rBV	216119	437021	1.29%	0.186%
3	4.040	142	149	151	rBV	7075268	13451325	39.60%	5.711%
4	4.566	190	195	197	rBV	861127	1275246	3.75%	0.541%
5	5.114	240	243	245	rVV3	268108	392148	1.15%	0.167%
6	5.183	245	249	251	rVV	2538836	5006998	14.74%	2.126%
7	5.457	269	273	275	rBV	10336588	16744822	49.30%	7.110%
8	5.572	278	283	287	rVB	11195917	33964939	100.00%	14.422%
9	5.812	301	304	307	rBV	7827052	9943298	29.28%	4.222%
10	6.017	316	322	324	rBV2	617504	1166064	3.43%	0.495%
11	6.132	329	332	333	rVB	1765504	2458296	7.24%	1.044%
12	6.166	333	335	337	rBV3	248818	363245	1.07%	0.154%
13	6.280	342	345	349	rBV4	212685	488248	1.44%	0.207%
14	6.417	354	357	359	rVB	2736519	2467798	7.27%	1.048%
15	6.486	360	363	364	rBV	7146708	6794383	20.00%	2.885%
16	6.509	364	365	367	rVB	2283415	2564386	7.55%	1.089%
17	6.554	367	369	371	rBV	4141139	4673872	13.76%	1.985%
18	6.600	371	373	375	rVB2	674928	861314	2.54%	0.366%
19	6.646	375	377	379	rVB	2820869	3237748	9.53%	1.375%
20	6.726	379	384	386	rBV2	2353364	2937919	8.65%	1.247%
21	6.783	386	389	391	rVB	8193472	10402616	30.63%	4.417%
22	6.909	398	400	402	rBV3	447078	580931	1.71%	0.247%
23	6.955	402	404	406	rBV	1633539	1591232	4.68%	0.676%
24	6.989	406	407	408	rVV	585956	556087	1.64%	0.236%
25	7.012	408	409	413	rVB	4682038	5986732	17.63%	2.542%
26	7.115	415	418	419	rBV	4264745	4631978	13.64%	1.967%
27	7.137	419	420	424	rVB3	1688531	2030041	5.98%	0.862%
28	7.206	424	426	427	rBV	437725	460147	1.35%	0.195%
29	7.229	427	428	430	rVB2	734428	668773	1.97%	0.284%
30	7.275	430	432	437	rVB3	1600431	3081490	9.07%	1.308%
31	7.355	437	439	440	rBV	609232	735052	2.16%	0.312%
32	7.400	440	443	444	rBV2	344320	628780	1.85%	0.267%
33	7.446	446	447	448	rBV	500828	396261	1.17%	0.168%
34	7.515	448	453	457	rVV4	2454150	6498453	19.13%	2.759%

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 Integrator: RTE
 Smoothing : ON
 Sampling : 1
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 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.606	459	461	462	rVV	1254957	2025989	5.96%	0.860%
36	7.640	462	464	465	rVV	1680237	2838257	8.36%	1.205%
37	7.675	465	467	470	rVB3	1736217	4005539	11.79%	1.701%
38	7.732	470	472	477	rVB3	968004	2482328	7.31%	1.054%
39	7.835	477	481	484	rBV3	859908	1914916	5.64%	0.813%
40	7.892	484	486	487	rBV	730841	873067	2.57%	0.371%
41	7.983	491	494	498	rBV	2272984	4037843	11.89%	1.714%
42	8.075	498	502	504	rVB4	764949	1354748	3.99%	0.575%
43	8.109	504	505	508	rVB3	424444	707765	2.08%	0.301%
44	8.189	508	512	513	rBV3	396655	701185	2.06%	0.298%
45	8.269	514	519	520	rVV2	5158444	7584909	22.33%	3.221%
46	8.292	520	521	525	rVB4	581951	881947	2.60%	0.374%
47	8.418	525	532	533	rBV4	855318	2348571	6.91%	0.997%
48	8.486	537	538	540	rVV	537409	958157	2.82%	0.407%
49	8.532	540	542	544	rVB2	1052450	1376929	4.05%	0.585%
50	8.612	544	549	555	rBV8	847982	3634934	10.70%	1.543%
51	8.692	555	556	557	rVV	674328	643735	1.90%	0.273%
52	8.726	557	559	563	rVV5	786280	1795469	5.29%	0.762%
53	8.840	566	569	571	rBV4	540333	1124266	3.31%	0.477%
54	8.955	576	579	581	rVV2	1951675	2809697	8.27%	1.193%
55	9.023	583	585	586	rBV	851624	1056307	3.11%	0.449%
56	9.058	586	588	589	rVV	2264219	1969569	5.80%	0.836%
57	9.080	589	590	592	rVB2	552911	583226	1.72%	0.248%
58	9.126	592	594	596	rBV2	684152	1273007	3.75%	0.541%
59	9.183	596	599	601	rVB3	761099	1335844	3.93%	0.567%
60	9.263	603	606	608	rBV3	1084816	1949831	5.74%	0.828%
61	9.320	608	611	613	rVB	5211809	5598951	16.48%	2.377%
62	9.423	618	620	621	rVV2	382822	643583	1.89%	0.273%
63	9.480	624	625	627	rVV2	540318	915039	2.69%	0.389%
64	9.515	627	628	630	rVB2	481023	649279	1.91%	0.276%
65	9.663	638	641	644	rBV5	660240	1447778	4.26%	0.615%
66	9.720	644	646	647	rVB	888233	826215	2.43%	0.351%
67	9.823	652	655	656	rVB3	594658	1050510	3.09%	0.446%
68	9.892	660	661	664	rVB3	409760	662589	1.95%	0.281%
69	9.949	664	666	668	rBV2	606553	956594	2.82%	0.406%
70	10.006	668	671	673	rVB	1729136	2230288	6.57%	0.947%
71	10.086	676	678	681	rVB3	397885	624724	1.84%	0.265%

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72	10.155	681	684	685	rBV2	439484	828063	2.44%	0.352%
73	10.246	690	692	695	rBV2	719147	1328964	3.91%	0.564%
74	10.326	695	699	701	rBV3	646151	1528214	4.50%	0.649%
75	10.441	706	709	714	rVB5	567659	1017047	2.99%	0.432%
76	10.795	737	740	742	rVB	1826334	1896609	5.58%	0.805%
77	11.046	760	762	765	rVB3	307041	577928	1.70%	0.245%
78	11.366	786	790	792	rBV3	188002	459422	1.35%	0.195%
79	11.492	798	801	803	rBV	2203558	2007918	5.91%	0.853%
80	12.029	846	848	850	rBV	1047376	972136	2.86%	0.413%
81	12.818	914	917	919	rBV	376130	540278	1.59%	0.229%
82	13.081	937	940	942	rBV	5677943	5227315	15.39%	2.220%
83	13.972	1016	1018	1026	rVB	624794	652880	1.92%	0.277%
84	14.132	1030	1032	1035	rVB	1692035	1499107	4.41%	0.637%
85	15.607	1159	1161	1164	rBV	778112	1171592	3.45%	0.497%

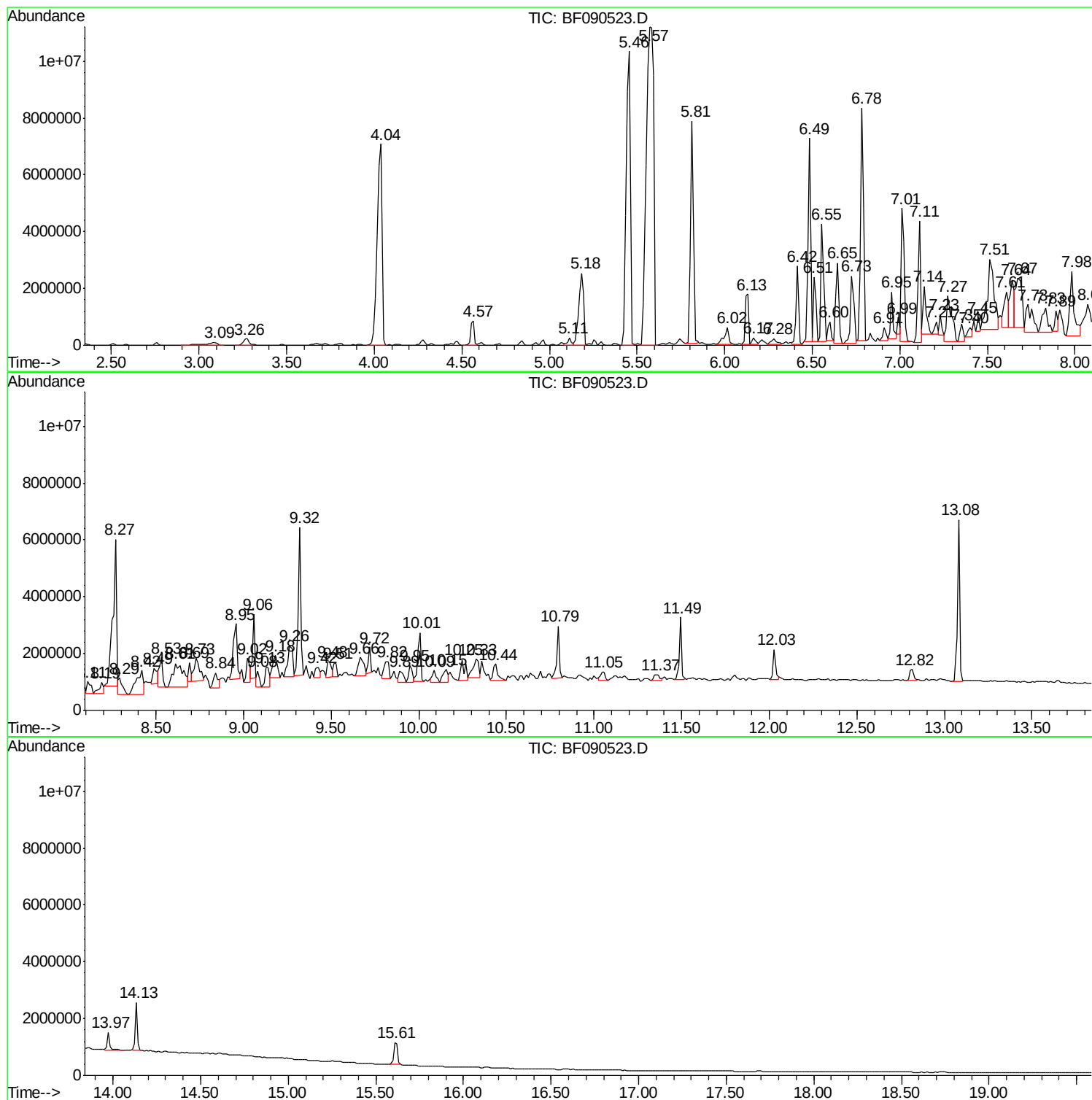
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Instrument :
BNA_F
ClientSampled :
S8-0618

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
Data File : BF090523.D
Acq On : 12 Oct 2016 1:24
Operator : UM/SJ
Sample : H5146-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0618

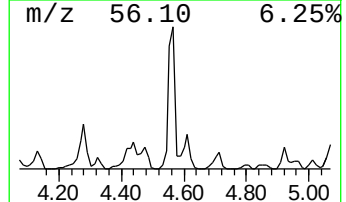
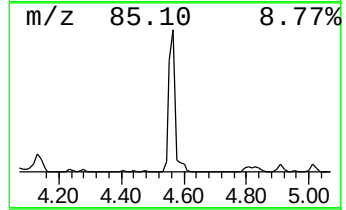
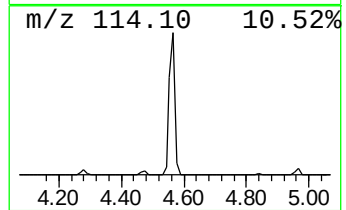
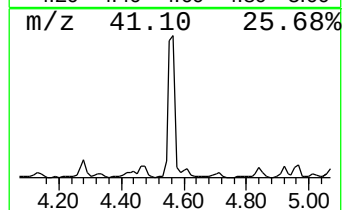
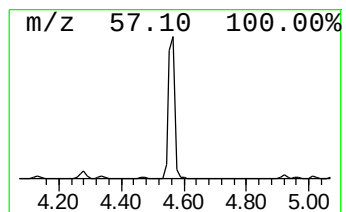
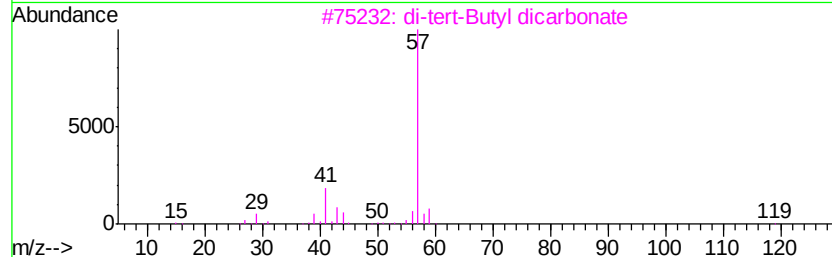
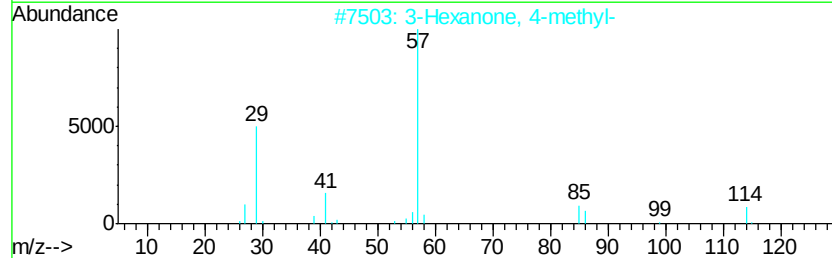
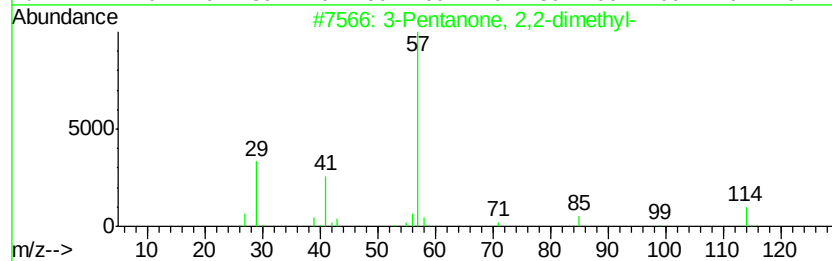
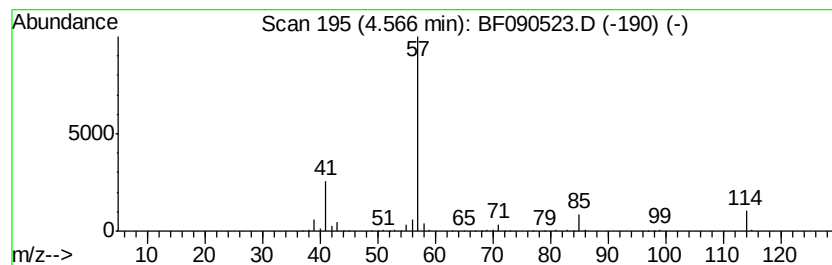
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 3-Pentanone, 2,2-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	16.03 ng	1275250	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Pentanone, 2,2-dimethyl-	114	C7H14O	000564-04-5	91
2		3-Hexanone, 4-methyl-	114	C7H14O	017042-16-9	80
3		di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	43
4		3-Heptanone	114	C7H14O	000106-35-4	42
5		3,4-Hexanedione	114	C6H10O2	004437-51-8	40



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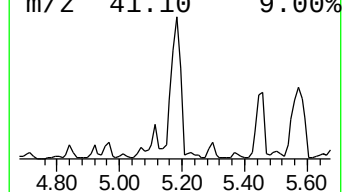
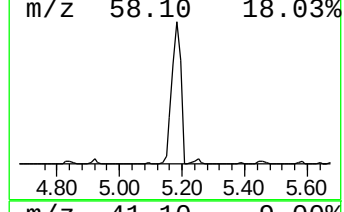
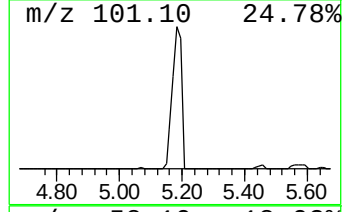
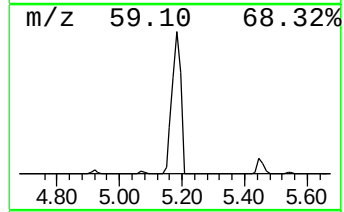
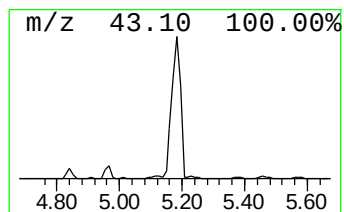
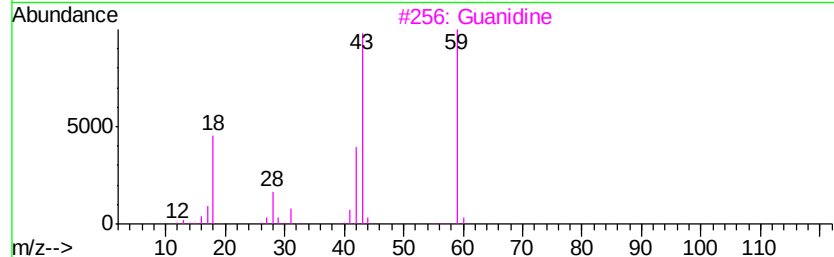
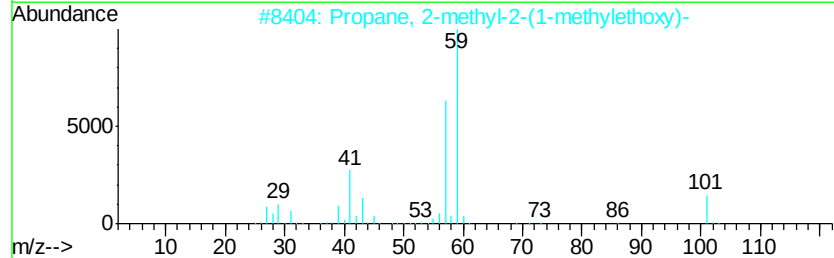
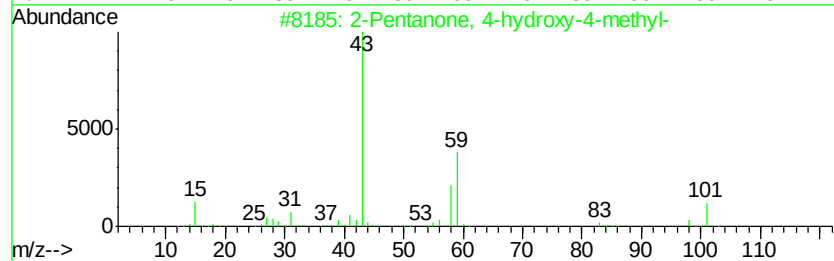
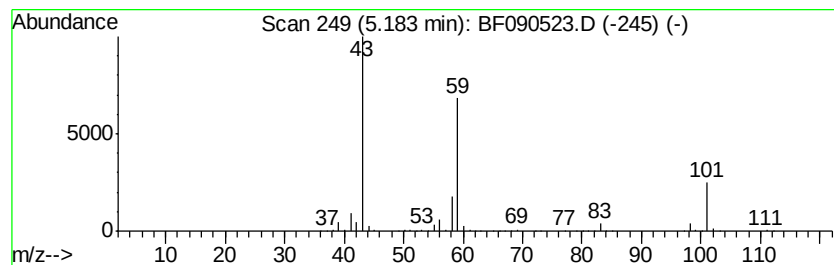
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	62.93 ng	5007000	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	50
3		Guanidine	59	CH5N3	000113-00-8	43
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5		Acetone	58	C3H6O	000067-64-1	9



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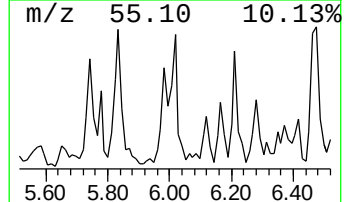
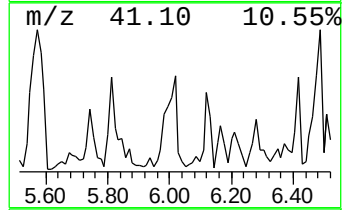
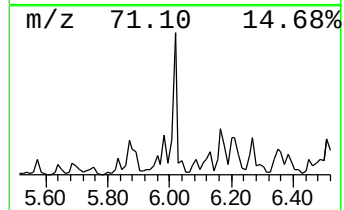
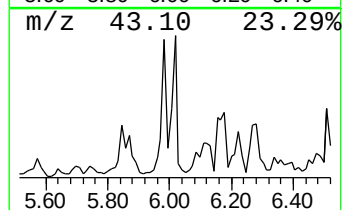
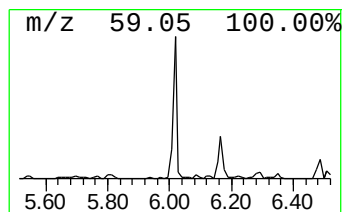
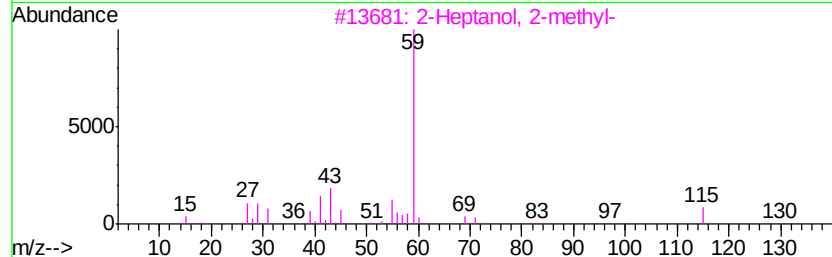
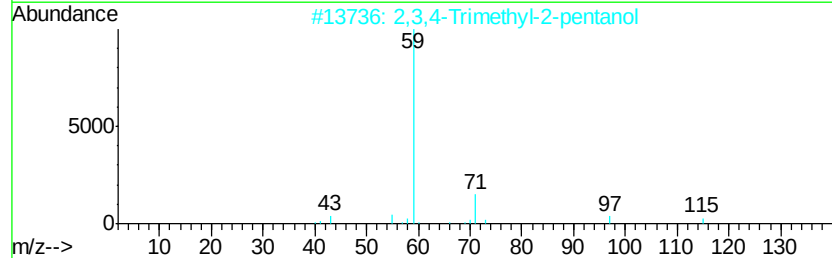
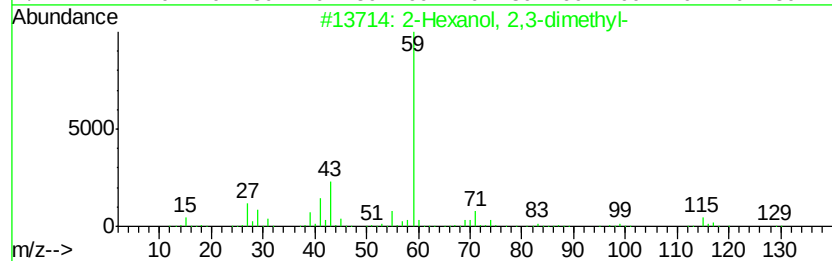
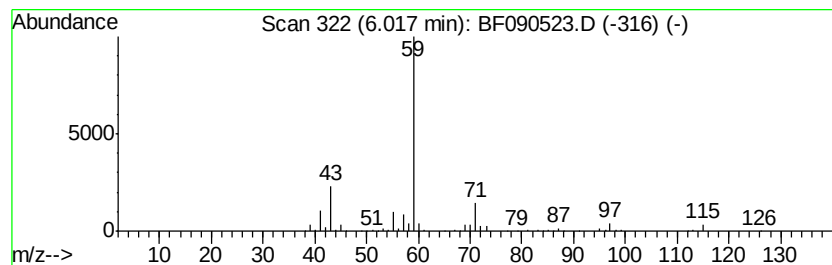
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 2-Hexanol, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.02	14.66 ng	1166060	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	56
2		2,3,4-Trimethyl-2-pentanol	130	C8H18O	066576-26-9	56
3		2-Heptanol, 2-methyl-	130	C8H18O	000625-25-2	50
4		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	45
5		2-Hydroxy-2,5-dimethyl-hept-6-en...	156	C9H16O2	1000192-55-8	42



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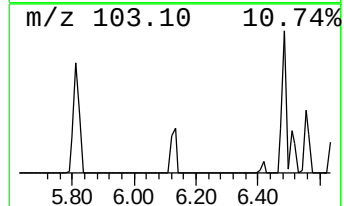
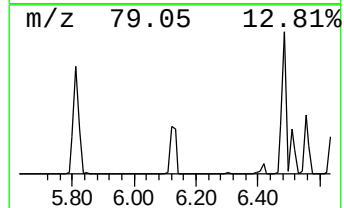
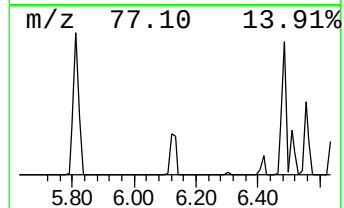
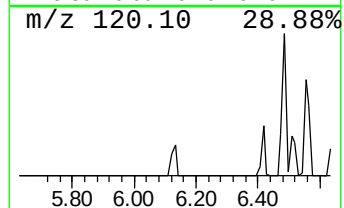
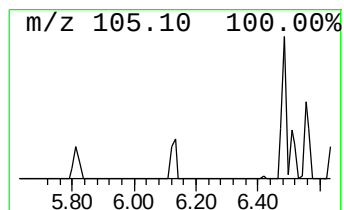
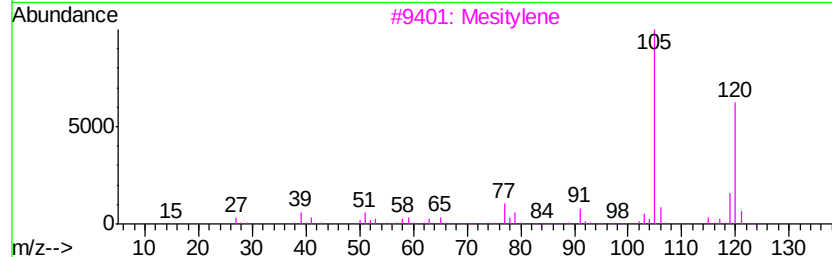
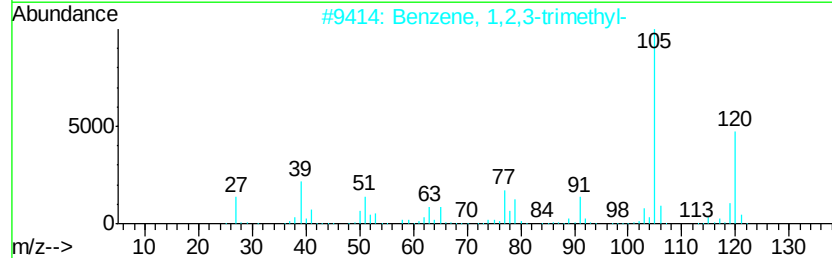
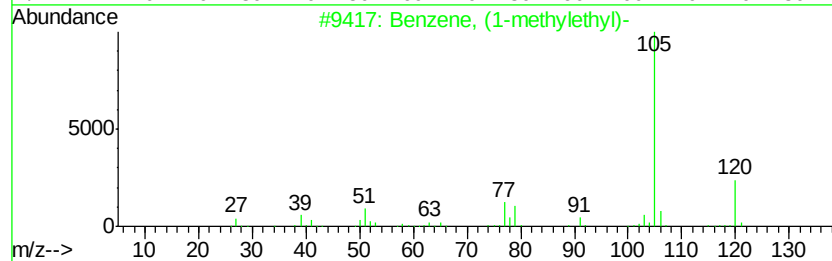
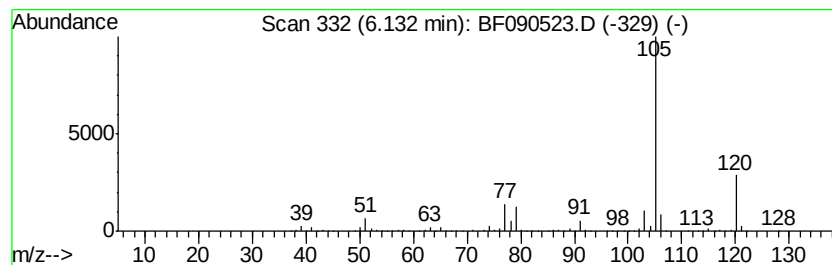
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, (1-methylethyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.13	30.90 ng	2458300	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3		Mesitylene	120	C9H12	000108-67-8	83
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090523.D
Acq On : 12 Oct 2016 1:24
Operator : UM/SJ
Sample : H5146-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0618

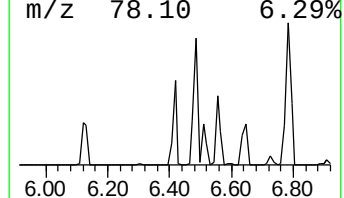
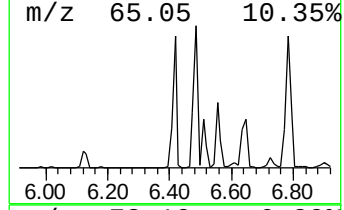
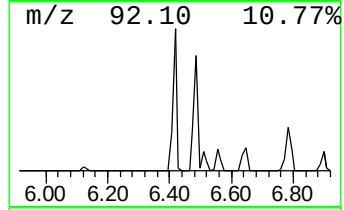
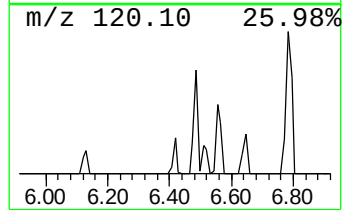
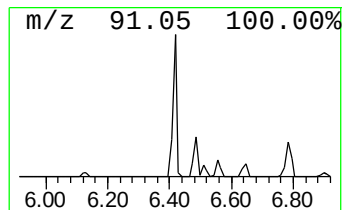
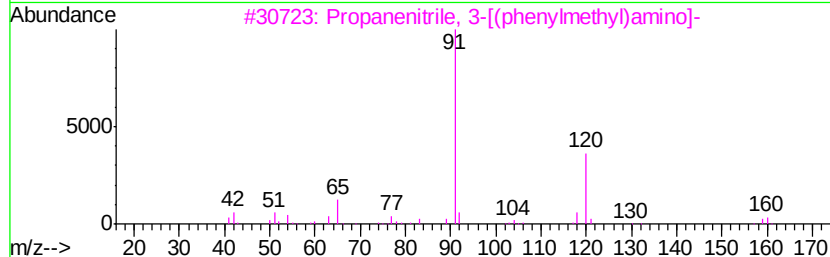
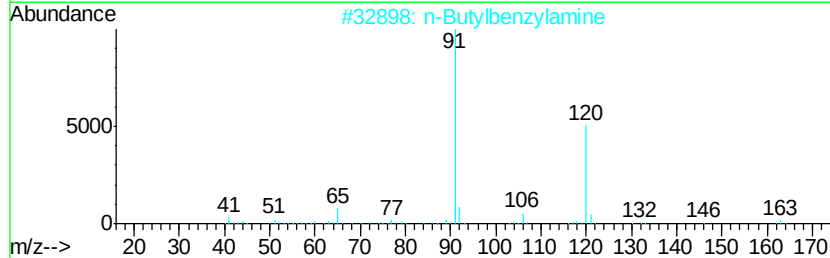
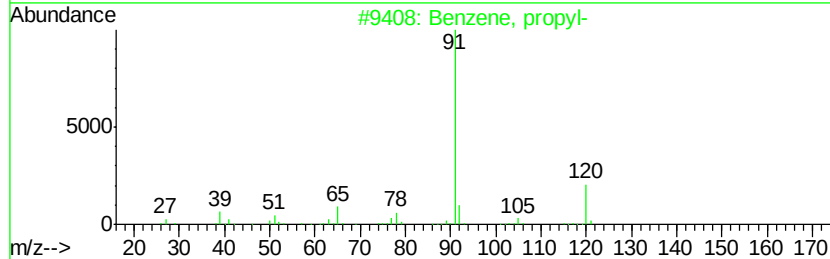
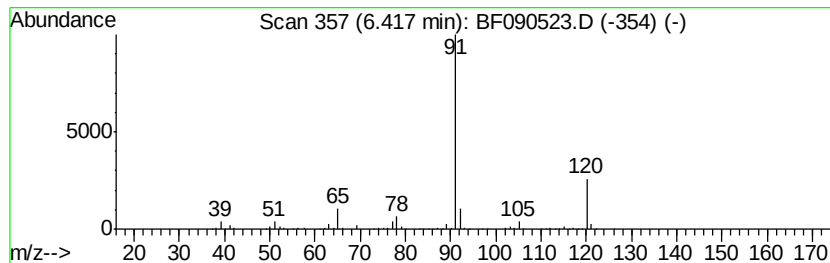
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	31.02 ng	2467800	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, propyl-	120	C9H12	000103-65-1	91
2		n-Butylbenzylamine	163	C11H17N	002403-22-7	72
3		Propanenitrile, 3-[(phenylmethyl)amino]-	160	C10H12N2	000706-03-6	72
4		1,2-Ethanediamine, N-(phenylmethyl)-	150	C9H14N2	004152-09-4	64
5		N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
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ClientSampleId :
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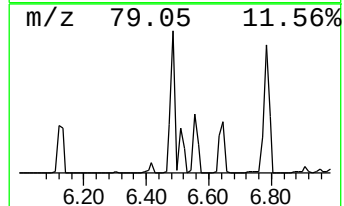
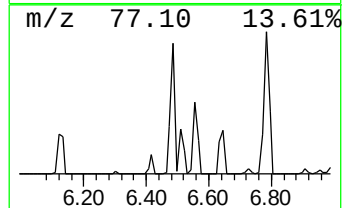
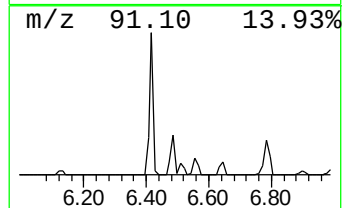
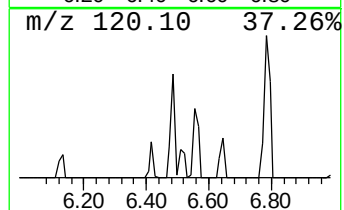
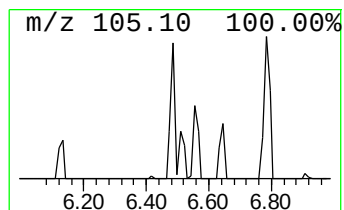
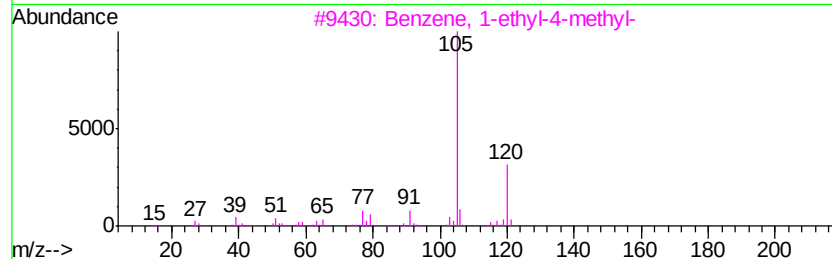
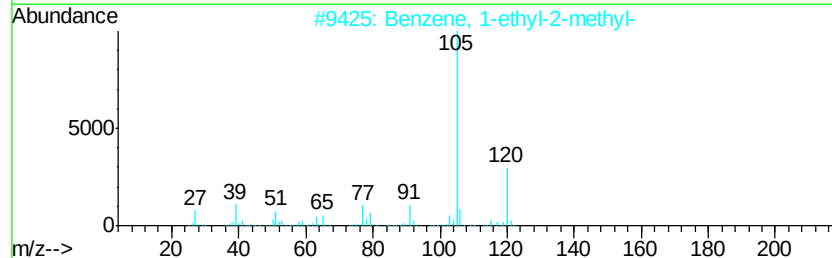
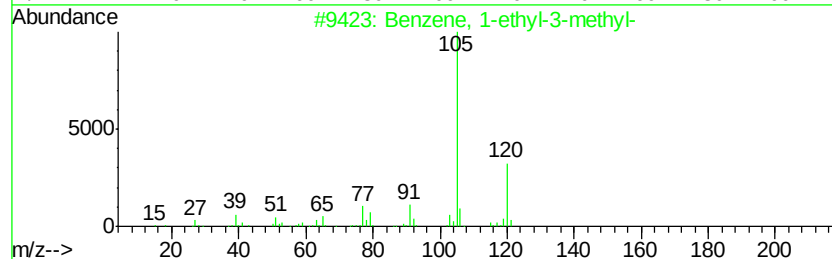
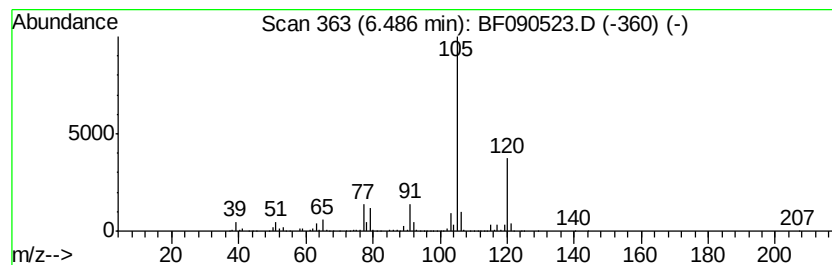
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	85.40 ng	6794380	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4		Mesitylene	120	C9H12	000108-67-8	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
Data File : BF090523.D
Acq On : 12 Oct 2016 1:24
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Sample : H5146-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

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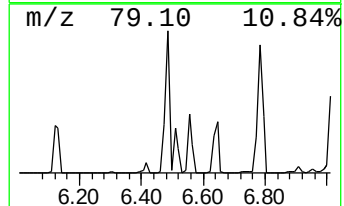
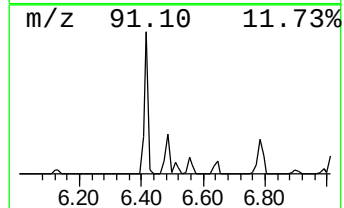
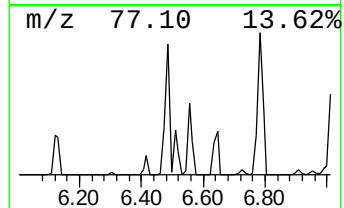
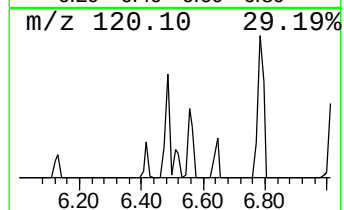
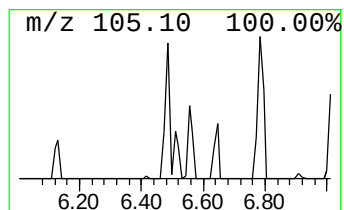
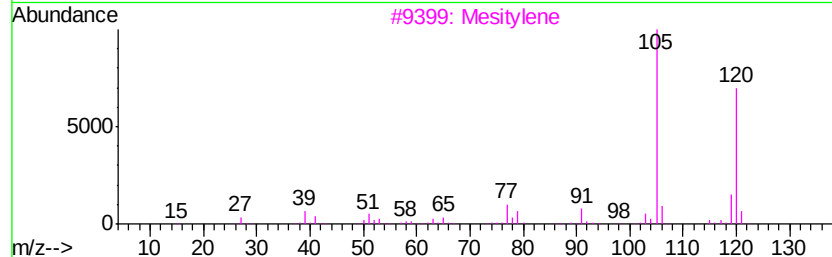
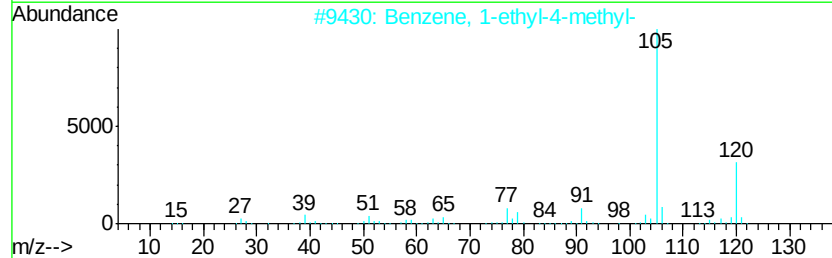
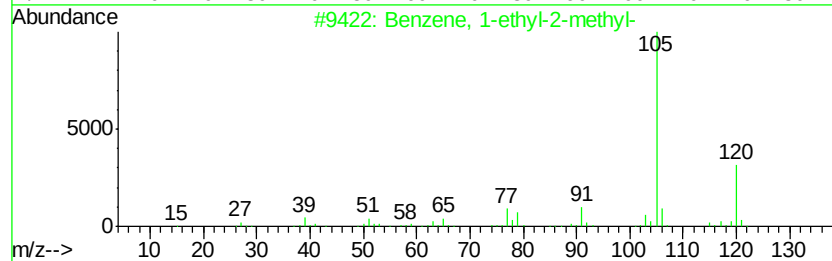
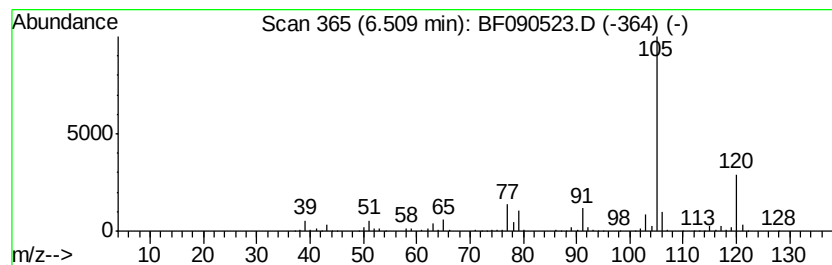
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	32.23 ng	2564390	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
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Acq On : 12 Oct 2016 1:24
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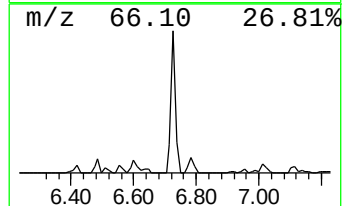
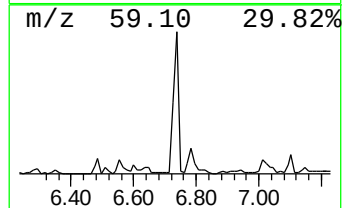
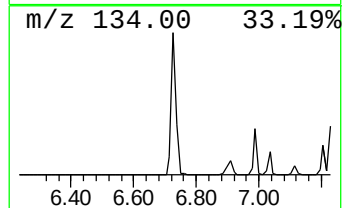
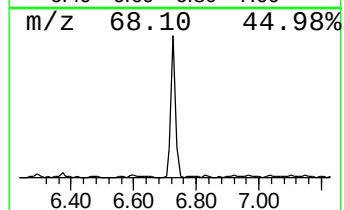
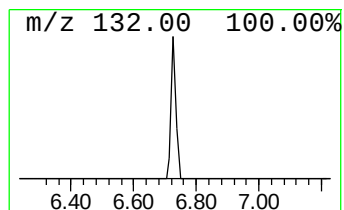
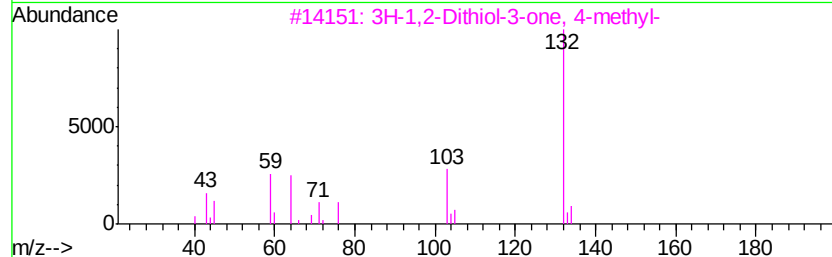
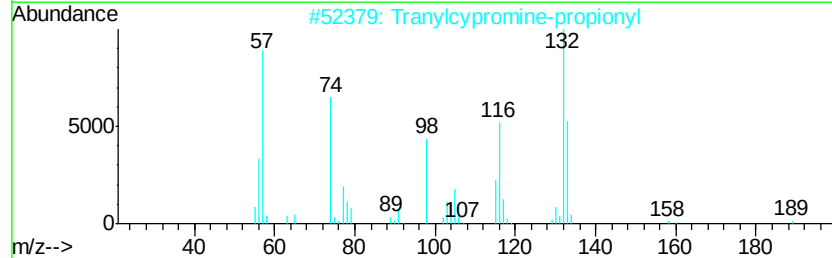
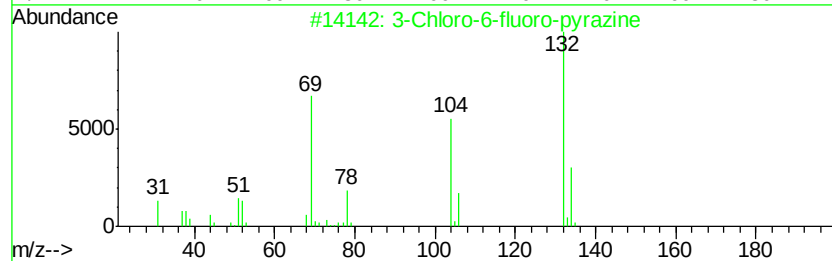
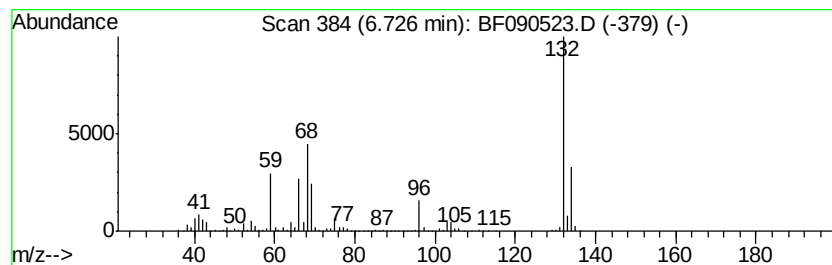
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 unknown6.73 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	36.93 ng	2937920	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	14
3		3H-1,2-Dithiol-3-one, 4-methyl-	132	C4H4OS2	003620-10-8	12
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090523.D
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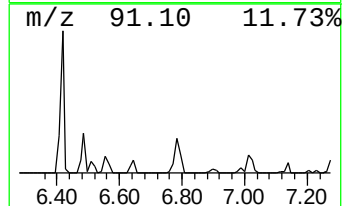
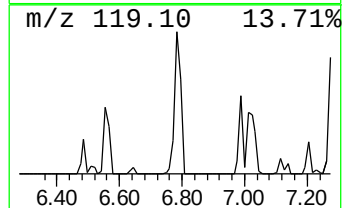
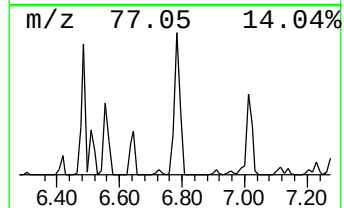
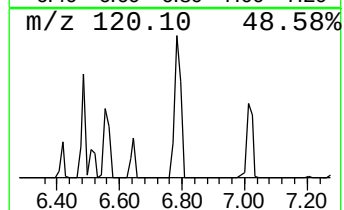
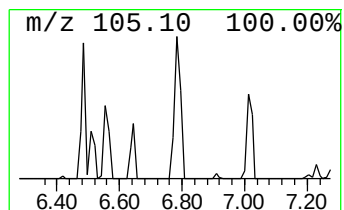
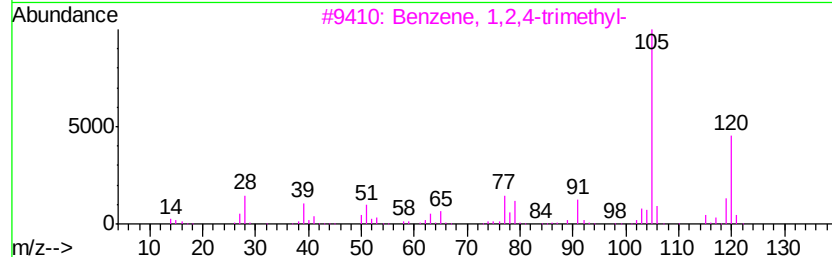
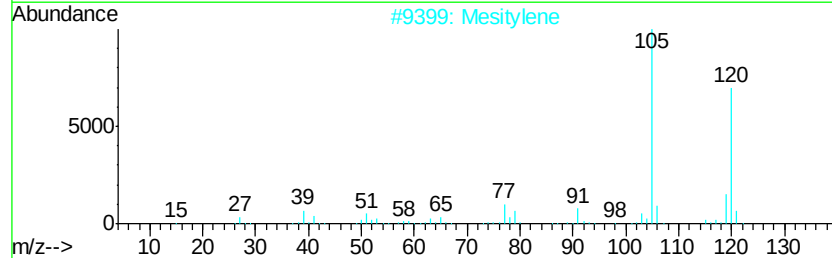
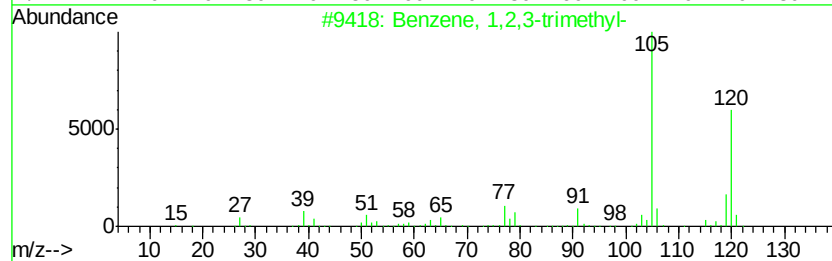
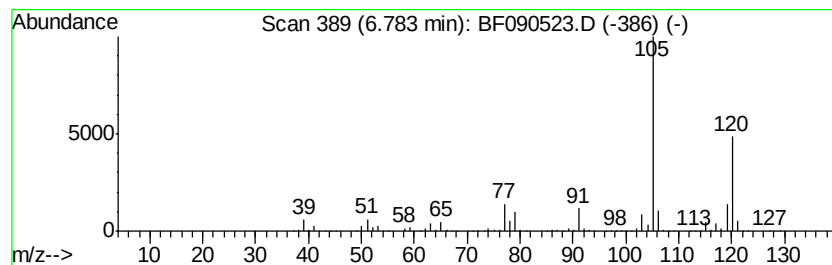
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	130.75 ng	10402600	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	94
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090523.D
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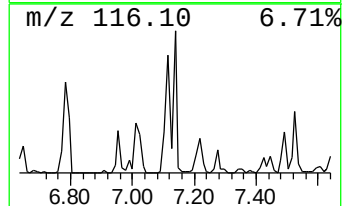
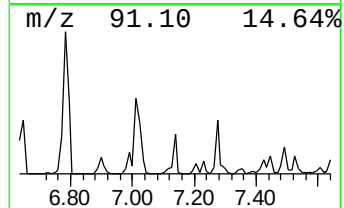
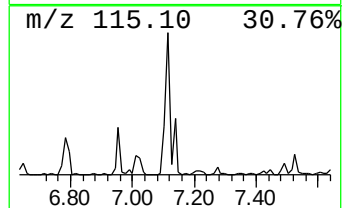
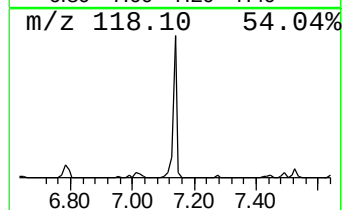
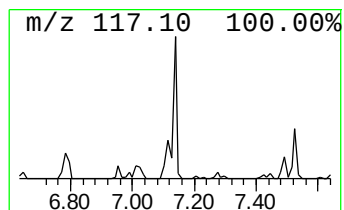
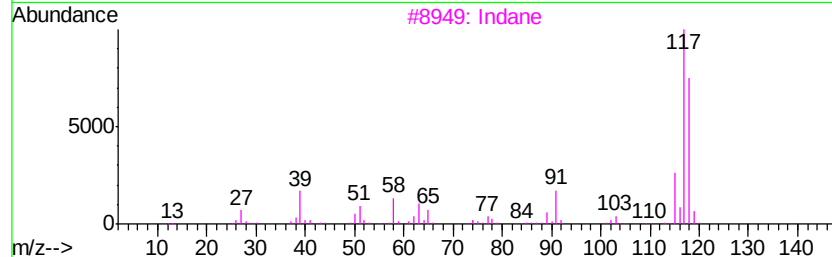
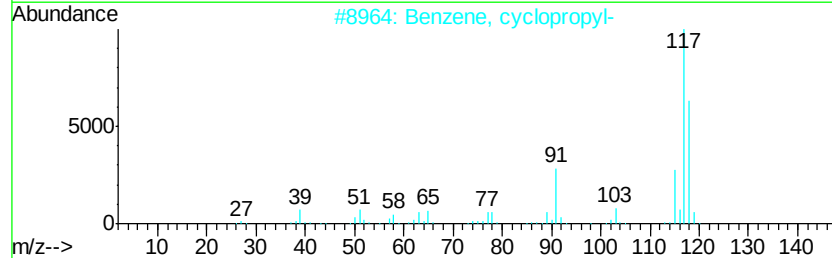
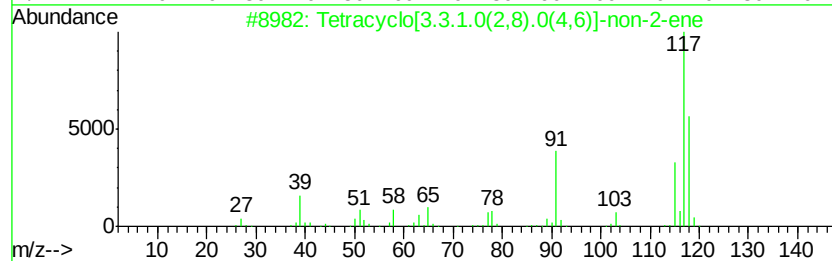
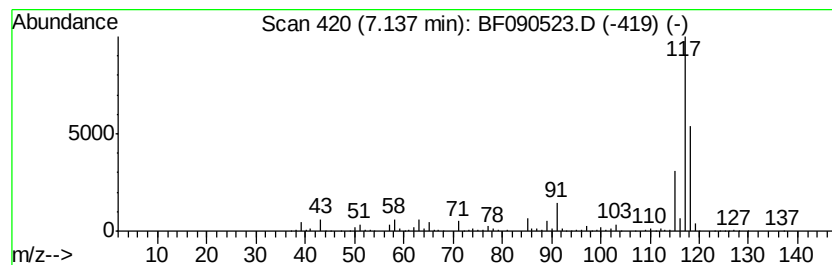
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Tetracyclo[3.3.1.0(2,8).0(4... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	25.52 ng	2030040	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-	118	C9H10	1000191-13-7	74
2		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3		Indane	118	C9H10	000496-11-7	60
4		Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
5		7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
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ClientSampleId :
S8-0618

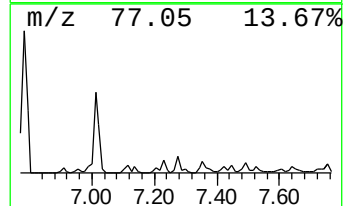
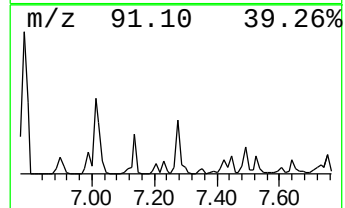
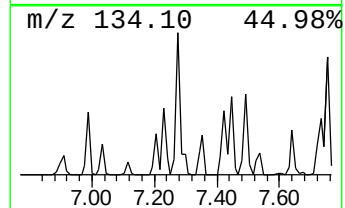
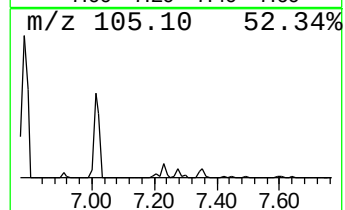
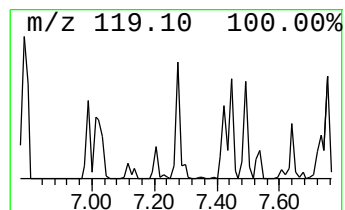
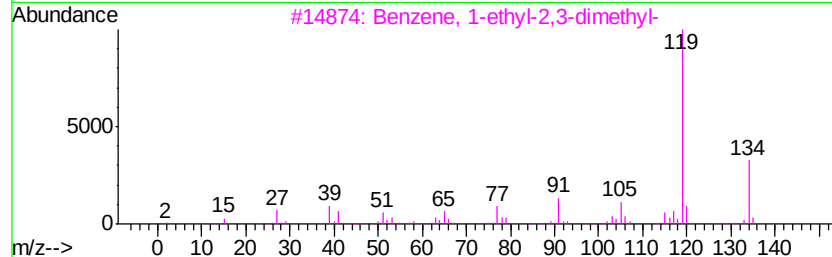
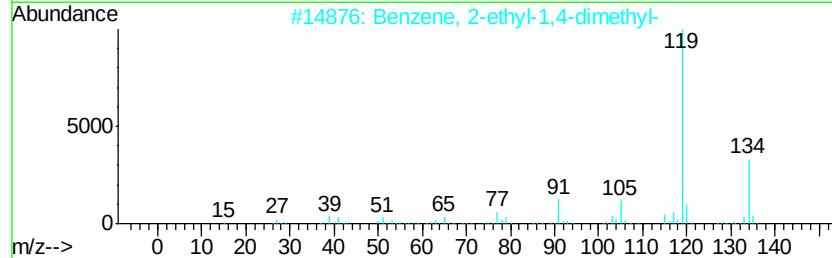
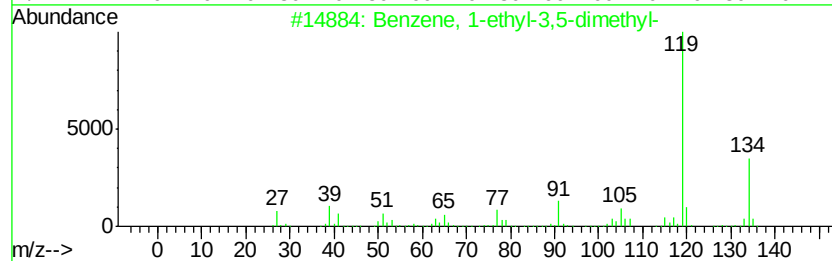
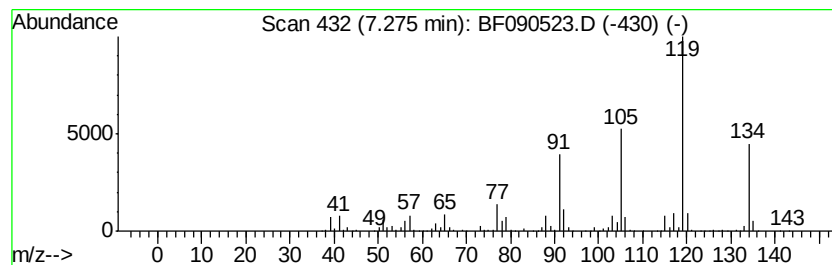
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	38.73 ng	3081490	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5		o-Cymene	134	C10H14	000527-84-4	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090523.D
Acq On : 12 Oct 2016 1:24
Operator : UM/SJ
Sample : H5146-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0618

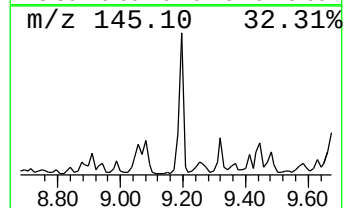
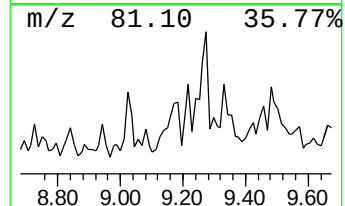
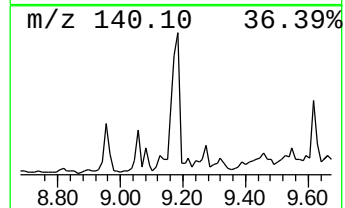
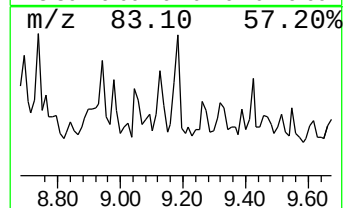
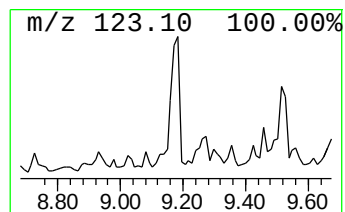
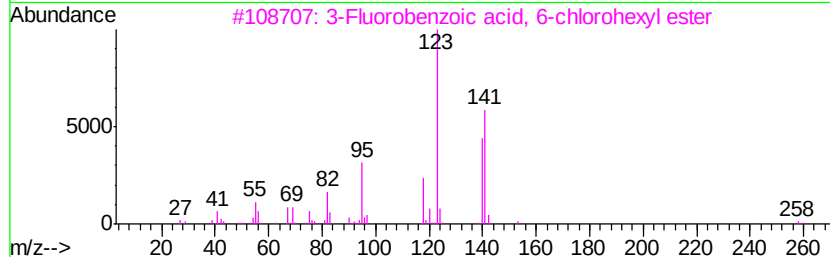
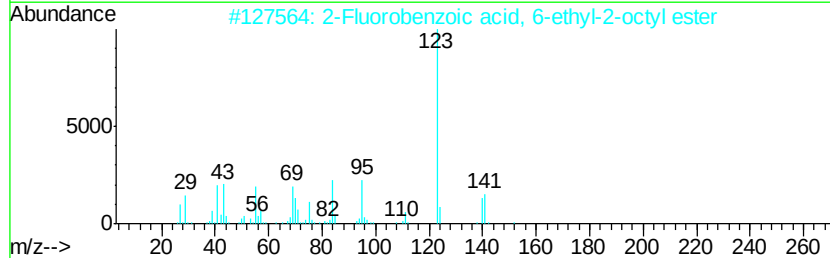
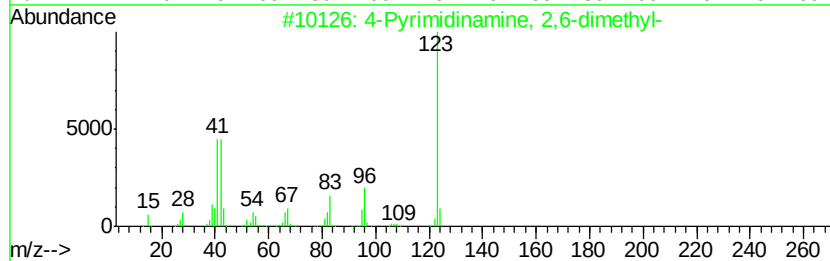
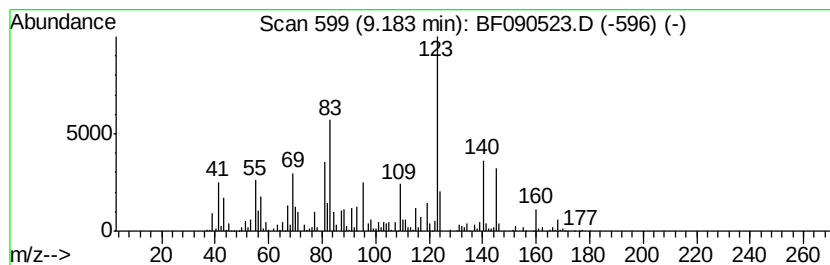
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown9.18 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	11.98 ng	1335840	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Pyrimidinamine, 2,6-dimethyl-	123	C6H9N3	000461-98-3	38
2		2-Fluorobenzoic acid, 6-ethyl-2-...	280	C17H25F02	1000278-96-7	35
3		3-Fluorobenzoic acid, 6-chlorohe...	258	C13H16ClF02	1000330-84-4	32
4		Cyclohexene, 1,4,6,6-tetramethyl-	138	C10H18	070092-37-4	32
5		2-(2-Ethyl-1,3-dimethyl-cyclopen...	182	C12H22O	1000186-82-4	32



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090523.D
Acq On : 12 Oct 2016 1:24
Operator : UM/SJ
Sample : H5146-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S8-0618

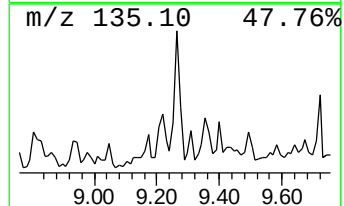
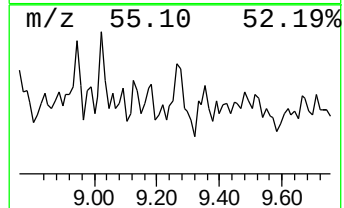
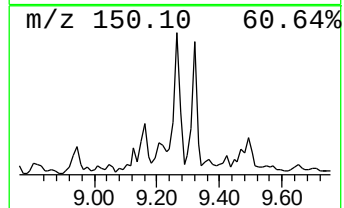
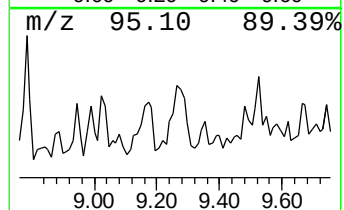
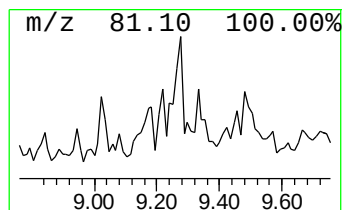
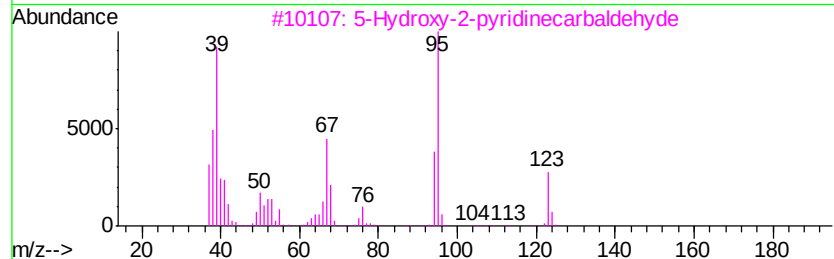
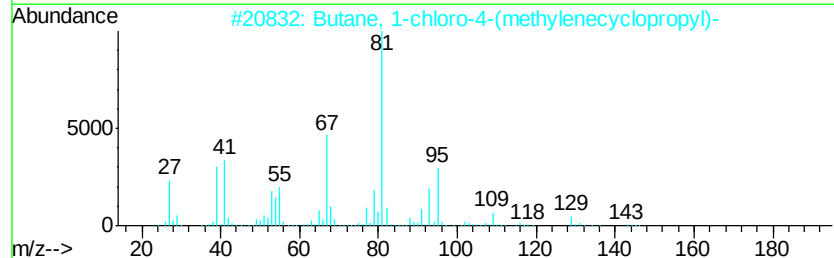
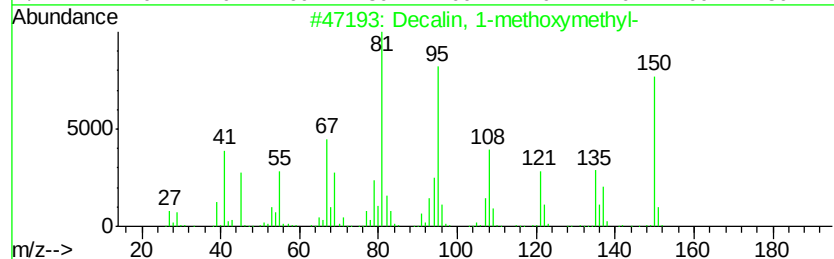
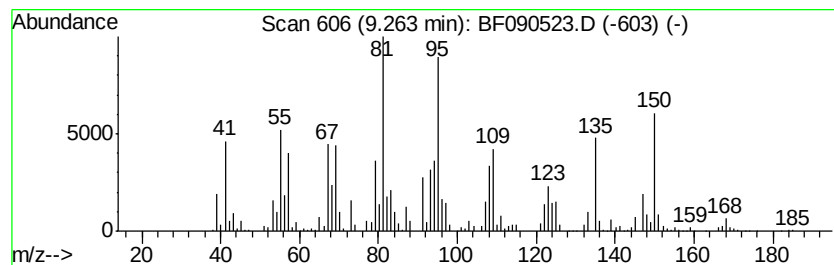
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Decalin, 1-methoxymethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	17.49 ng	1949830	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decalin, 1-methoxymethyl-	182	C12H22O	1000155-78-5	64
2		Butane, 1-chloro-4-(methylenecyc...	144	C8H13Cl	1000158-48-9	27
3		5-Hydroxy-2-pyridinecarbaldehyde	123	C6H5NO2	031191-08-9	27
4		Cyclopentanecarboxylic acid, 3-e...	154	C9H14O2	108451-44-1	27
5		1-Methylbicyclo[2.2.1]heptan-exo...	126	C8H14O	1000138-89-9	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090523.D
Acq On : 12 Oct 2016 1:24
Operator : UM/SJ
Sample : H5146-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0618

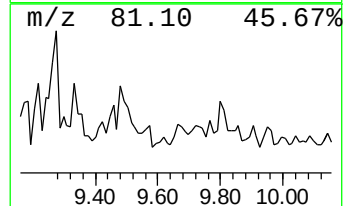
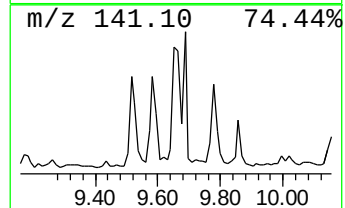
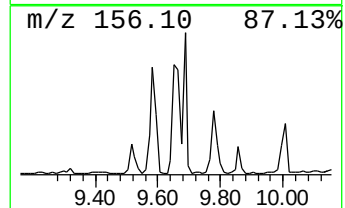
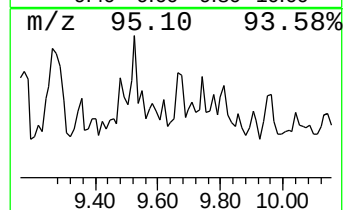
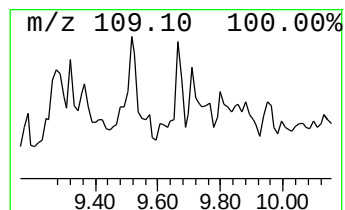
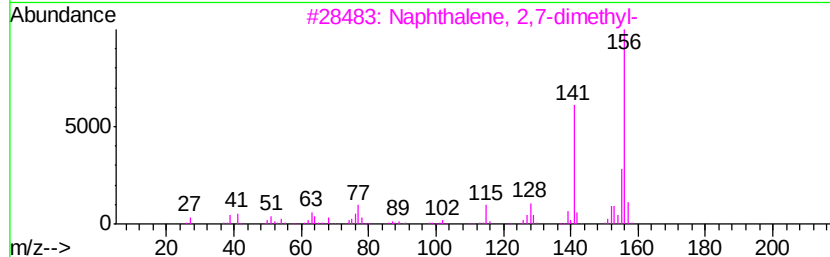
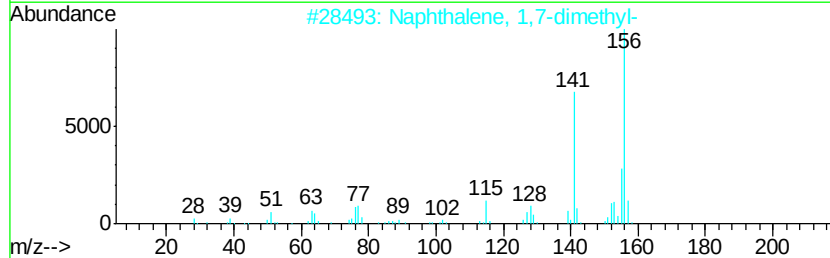
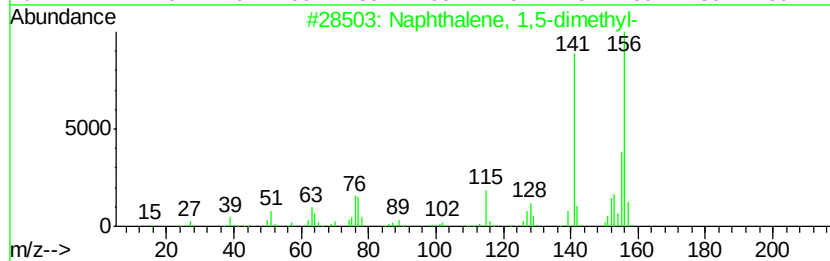
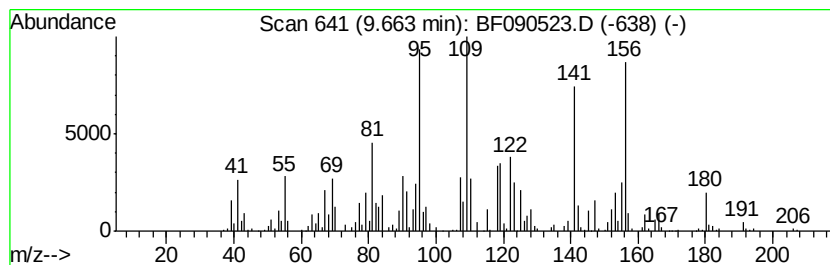
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Naphthalene, 1,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	12.98 ng	1447780	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	80
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	56
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	55
4		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	51
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	51



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
Data File : BF090523.D
Acq On : 12 Oct 2016 1:24
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Sample : H5146-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

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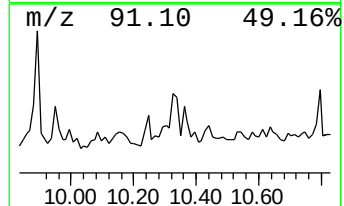
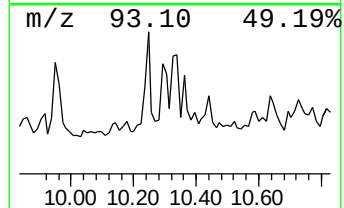
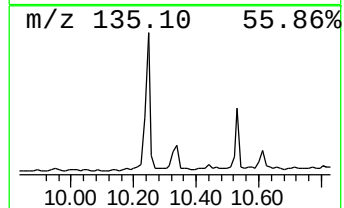
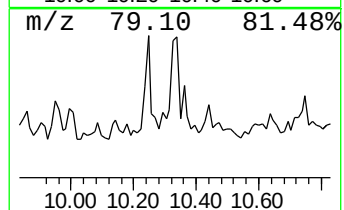
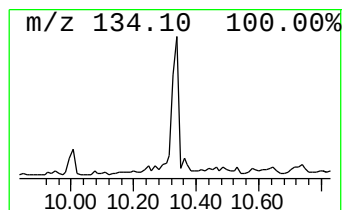
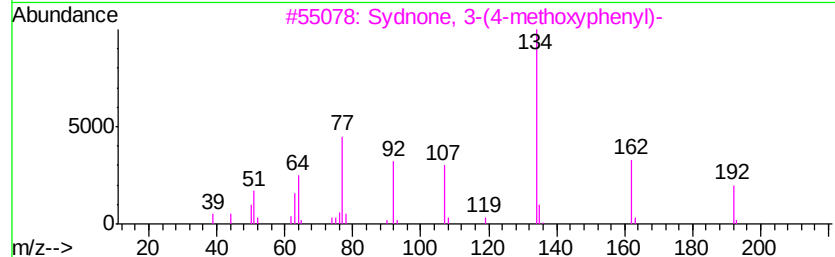
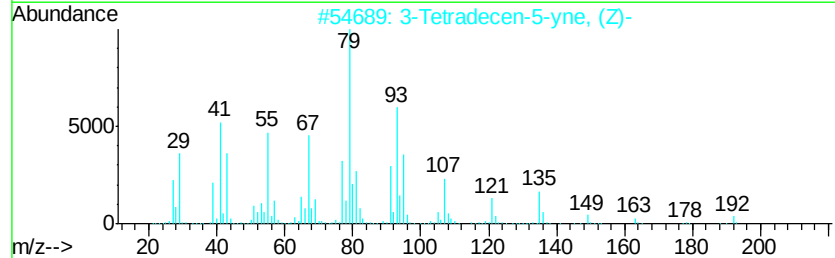
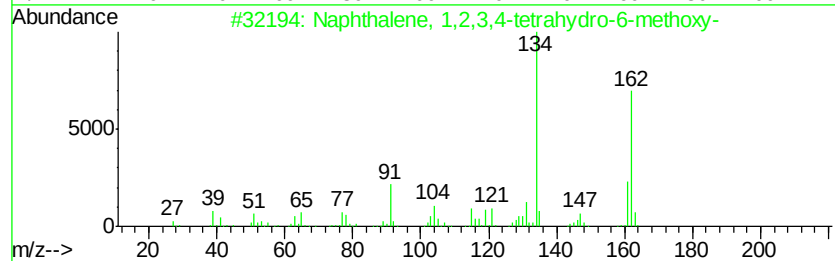
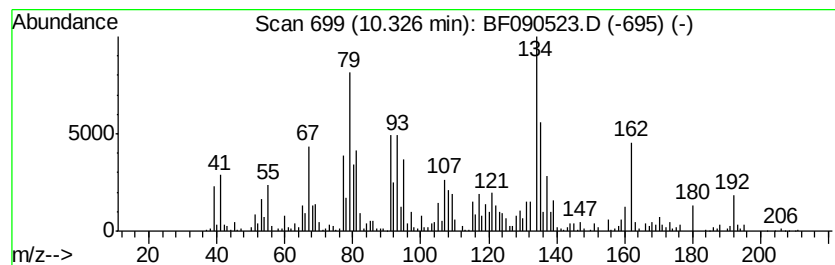
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Naphthalene, 1,2,3,4-tetra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	13.70 ng	1528210	Acenaphthene-d10	10.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	162	C11H14O	001730-48-9	50
2		3-Tetradecen-5-yne, (Z)-	192	C14H24	074663-68-6	38
3		Svdnone, 3-(4-methoxyphenyl)-	192	C9H8N2O3	003815-80-3	30
4		2,4-Methano-1H-indene, 4-chloroo...	170	C10H15Cl	098640-25-6	27
5		Benzenamine, N,N,3-trimethyl-	135	C9H13N	000121-72-2	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
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 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
3-Pentanone, 2,2-...	4.57	16.0	ng	1275250	1	6.95	1591230	20.0
2-Pentanone, 4-hy...	5.18	62.9	ng	5007000	1	6.95	1591230	20.0
2-Hexanol, 2,3-di...	6.02	14.7	ng	1166060	1	6.95	1591230	20.0
Benzene, (1-methy...	6.13	30.9	ng	2458300	1	6.95	1591230	20.0
Benzene, propyl-	6.42	31.0	ng	2467800	1	6.95	1591230	20.0
Benzene, 1-ethyl-...	6.49	85.4	ng	6794380	1	6.95	1591230	20.0
Benzene, 1-ethyl-...	6.51	32.2	ng	2564390	1	6.95	1591230	20.0
unknown6.73	6.73	36.9	ng	2937920	1	6.95	1591230	20.0
Benzene, 1,2,3-tr...	6.78	130.8	ng	10402600	1	6.95	1591230	20.0
Tetracyclo[3.3.1...	7.14	25.5	ng	2030040	1	6.95	1591230	20.0
Benzene, 1-ethyl-...	7.27	38.7	ng	3081490	1	6.95	1591230	20.0
unknown9.18	9.18	12.0	ng	1335840	3	10.01	2230290	20.0
Decalin, 1-methox...	9.26	17.5	ng	1949830	3	10.01	2230290	20.0
Naphthalene, 1,5-...	9.66	13.0	ng	1447780	3	10.01	2230290	20.0
Naphthalene, 1,2,...	10.33	13.7	ng	1528210	3	10.01	2230290	20.0