

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
 Data File : BF091931.D
 Acq On : 23 Dec 2016 18:38
 Operator : UM/SJ
 Sample : H6238-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-001-COMP

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-BF122116.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	4.258	187	190	195	rVB2	84013	159258	1.26%	0.050%
2	4.784	232	236	237	rBV3	94498	216086	1.71%	0.068%
3	4.819	237	239	242	rVV	512594	721250	5.72%	0.227%
4	4.899	242	246	250	rVV2	1455484	2601780	20.62%	0.821%
5	5.024	253	257	261	rVB	105649	177270	1.41%	0.056%
6	5.104	261	264	265	rBV	494666	763737	6.05%	0.241%
7	5.127	265	266	273	rVB3	144297	347027	2.75%	0.109%
8	5.276	276	279	281	rVB2	125973	165833	1.31%	0.052%
9	5.379	286	288	292	rVB	4698406	5157186	40.88%	1.627%
10	5.481	295	297	299	rBV	765556	1083784	8.59%	0.342%
11	5.527	299	301	302	rVB	899370	1000757	7.93%	0.316%
12	5.561	302	304	309	rVB2	670364	1260671	9.99%	0.398%
13	5.641	309	311	313	rBV	333061	350035	2.77%	0.110%
14	5.733	315	319	322	rBV2	983618	1748359	13.86%	0.551%
15	5.790	322	324	326	rBV2	447288	775366	6.15%	0.245%
16	5.824	326	327	329	rVB2	186739	201185	1.59%	0.063%
17	5.882	329	332	334	rVB	1774932	2272280	18.01%	0.717%
18	5.939	334	337	339	rBV2	764208	1447229	11.47%	0.456%
19	5.984	339	341	344	rVB2	2565018	3980232	31.55%	1.255%
20	6.042	344	346	347	rBV	1458440	1711333	13.56%	0.540%
21	6.064	347	348	355	rVB4	733296	2327712	18.45%	0.734%
22	6.179	355	358	359	rBV	1457530	2425053	19.22%	0.765%
23	6.259	363	365	371	rBV3	1783240	4350698	34.48%	1.372%
24	6.350	371	373	374	rBV	682532	1002346	7.94%	0.316%
25	6.430	374	380	382	rVB3	3654966	6477959	51.35%	2.043%
26	6.487	382	385	386	rBV	2211224	3975098	31.51%	1.254%
27	6.533	386	389	391	rVB2	3944489	6476293	51.33%	2.043%
28	6.602	391	395	396	rBV3	1375516	2035690	16.14%	0.642%
29	6.636	396	398	399	rBV2	174295	277198	2.20%	0.087%
30	6.682	399	402	404	rBV2	1033606	2105184	16.69%	0.664%
31	6.739	406	407	411	rVB3	1983917	3482377	27.60%	1.098%
32	6.807	411	413	415	rBV2	1543141	2741159	21.73%	0.865%
33	6.842	415	416	417	rBV	808798	1079869	8.56%	0.341%
34	6.899	417	421	426	rVB3	6114266	11950892	94.73%	3.770%

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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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35	7.024	426	432	435	rVB4	2267819	7209892	57.15%	2.274%
36	7.104	437	439	440	rBV2	1274443	2014921	15.97%	0.636%
37	7.139	440	442	448	rVB4	2615438	5616957	44.52%	1.772%
38	7.299	451	456	457	rBV2	5431449	10638514	84.32%	3.356%
39	7.402	462	465	467	rVB2	3387520	5588503	44.30%	1.763%
40	7.447	467	469	473	rBV3	1421106	3411125	27.04%	1.076%
41	7.527	473	476	477	rBV3	2104784	3320986	26.32%	1.048%
42	7.562	477	479	481	rVB2	3492895	4368277	34.62%	1.378%
43	7.607	481	483	485	rBV3	475259	784141	6.22%	0.247%
44	7.676	485	489	495	rVB6	3743370	11915907	94.45%	3.759%
45	7.790	496	499	503	rVB3	2767230	7101412	56.29%	2.240%
46	7.870	503	506	508	rBV3	1790042	3028164	24.00%	0.955%
47	7.916	508	510	512	rBV	1518538	3251605	25.77%	1.026%
48	8.042	518	521	523	rBV2	2557837	4451068	35.28%	1.404%
49	8.247	534	539	542	rBV5	2633176	9330792	73.96%	2.943%
50	8.339	544	547	550	rVV4	2679227	6440967	51.05%	2.032%
51	8.499	557	561	565	rBV	5554335	12616227	100.00%	3.979%
52	8.568	565	567	569	rVV2	1821179	2760435	21.88%	0.871%
53	9.105	610	614	618	rBV2	5007271	11951331	94.73%	3.770%
54	9.219	622	624	627	rBV2	1875039	4098824	32.49%	1.293%
55	9.413	638	641	643	rBV2	2844140	6223033	49.33%	1.963%
56	9.733	667	669	671	rVB3	2226393	2377162	18.84%	0.750%
57	9.813	673	676	677	rBV3	2004905	3566314	28.27%	1.125%
58	9.928	684	686	688	rVB	2431280	3810703	30.20%	1.202%
59	10.031	692	695	697	rBV2	2882983	5349716	42.40%	1.687%
60	10.076	697	699	703	rVB3	3588210	6439399	51.04%	2.031%
61	10.145	703	705	706	rBV	2766985	3934539	31.19%	1.241%
62	10.236	711	713	716	rVB3	2331184	4446774	35.25%	1.403%
63	10.362	722	724	725	rBV2	2671913	3864396	30.63%	1.219%
64	10.476	732	734	736	rVB	3545239	5301198	42.02%	1.672%
65	10.751	755	758	760	rVB2	5620246	10765017	85.33%	3.395%
66	10.945	773	775	781	rVB5	3869923	10402000	82.45%	3.281%
67	11.208	795	798	800	rVB2	5354557	8834767	70.03%	2.787%
68	11.322	806	808	809	rVB	1972255	1934044	15.33%	0.610%
69	11.539	825	827	831	rVB4	3039023	5369390	42.56%	1.694%
70	11.791	847	849	850	rBV	1882046	2520030	19.97%	0.795%
71	11.825	850	852	854	rVB	2973817	3338574	26.46%	1.053%

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Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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72	11.905	857	859	863	rVB2	2823591	5331551	42.26%	1.682%
73	12.225	885	887	889	rVB2	1386459	1296997	10.28%	0.409%
74	12.259	889	890	894	rVB	2646594	4034184	31.98%	1.272%
75	12.339	894	897	898	rBV	2788013	3642200	28.87%	1.149%
76	12.648	922	924	928	rVB2	1233841	2521118	19.98%	0.795%
77	12.739	928	932	933	rVV2	1196139	2272510	18.01%	0.717%
78	12.774	933	935	937	rVV	1581756	1842816	14.61%	0.581%
79	12.854	940	942	947	rVB	2773290	4597275	36.44%	1.450%
80	13.299	979	981	983	rVB2	496118	647434	5.13%	0.204%
81	13.894	1030	1033	1039	rVB2	1395874	2213575	17.55%	0.698%
82	14.042	1044	1046	1054	rVB3	332064	882510	7.00%	0.278%
83	14.648	1097	1099	1101	rBV	262125	344229	2.73%	0.109%
84	15.288	1152	1155	1160	rVB	1078501	1387995	11.00%	0.438%
85	15.917	1208	1210	1216	rVB2	221173	470108	3.73%	0.148%
86	16.305	1242	1244	1250	rVB	175842	328183	2.60%	0.104%

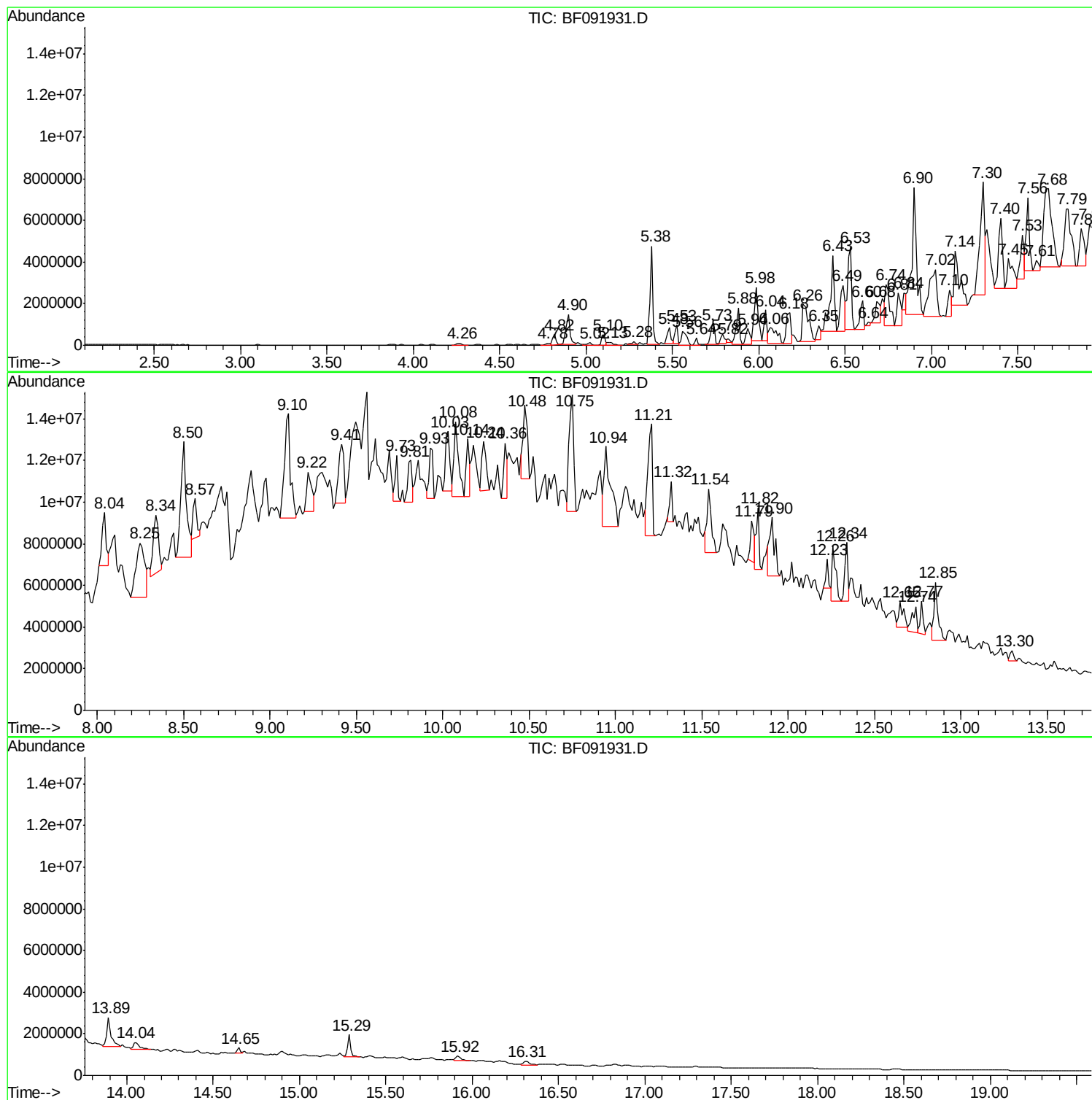
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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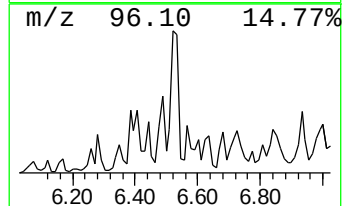
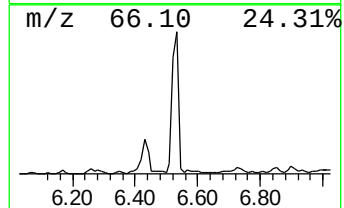
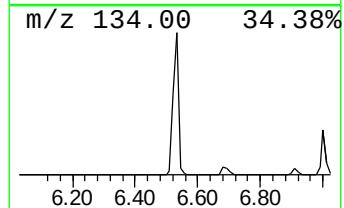
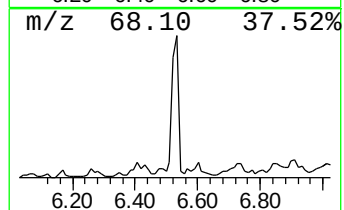
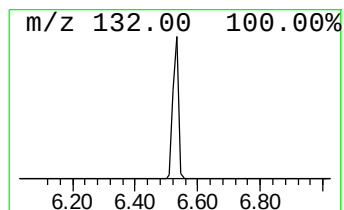
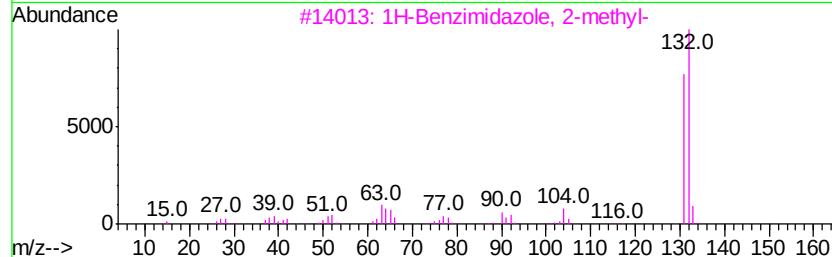
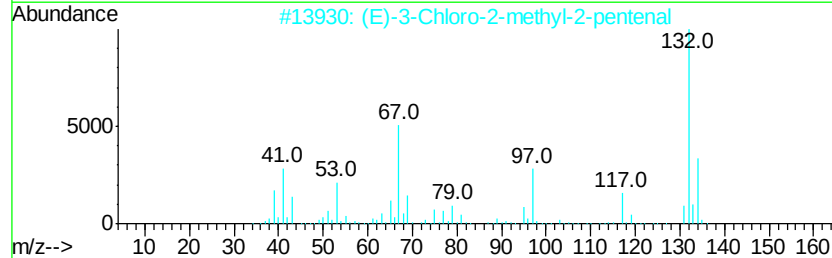
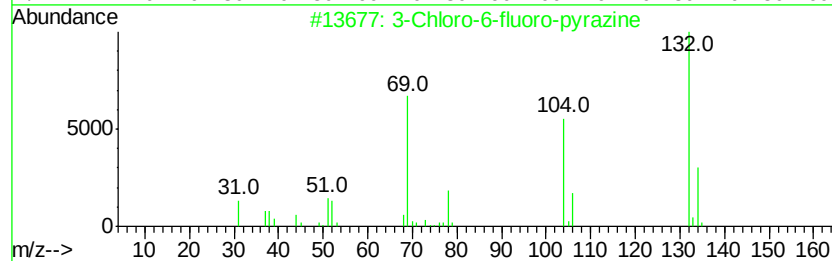
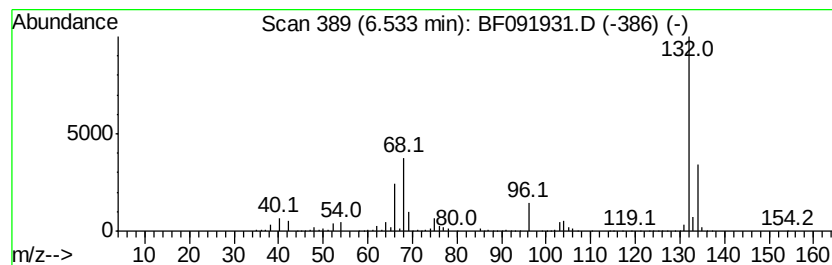
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.53 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	37.19 ng	6476290	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		5-Aminoindole	132	C8H8N2	005192-03-0	9



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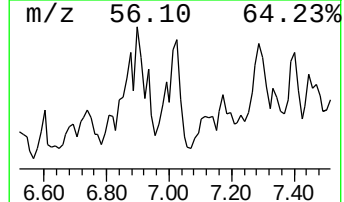
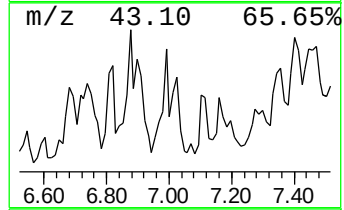
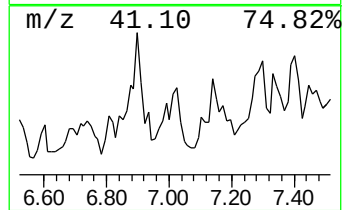
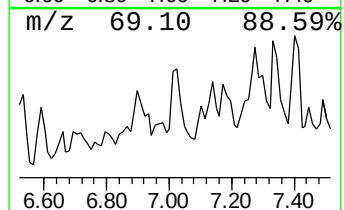
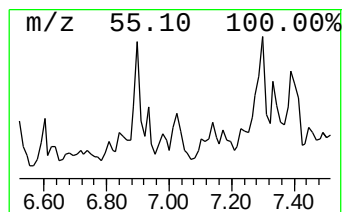
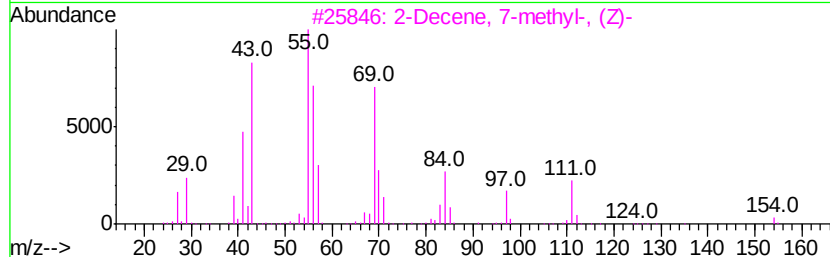
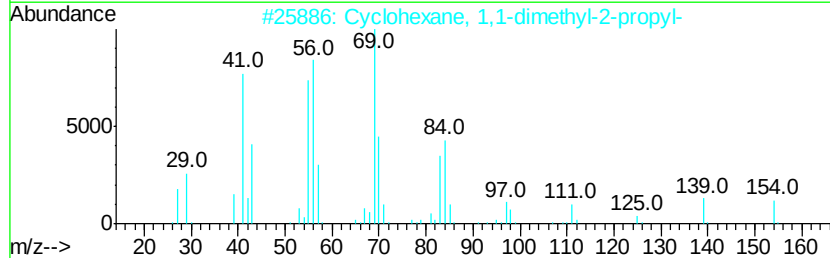
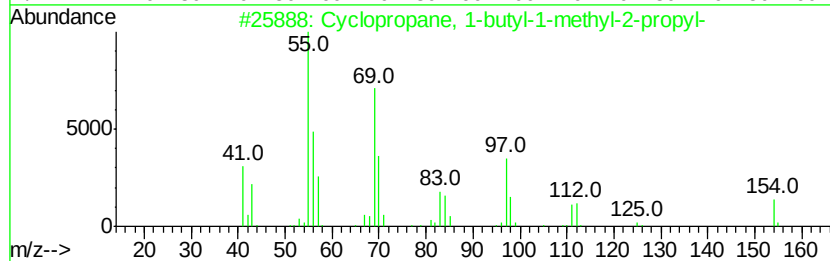
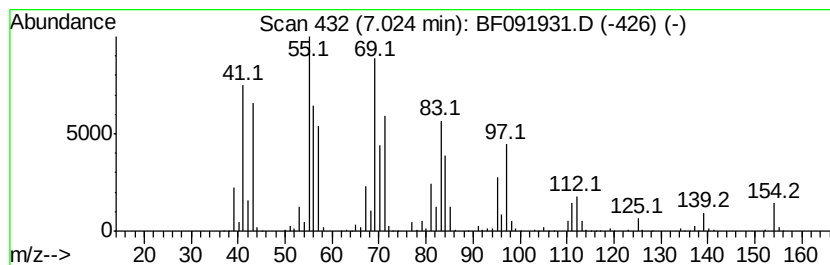
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclopropane, 1-butyl-1-met... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	41.41 ng	7209890	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1-butyl-1-methyl-2...	154	C11H22	041977-34-8	70
2		Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	70
3		2-Decene, 7-methyl-, (Z)-	154	C11H22	074630-23-2	68
4		4-Isopropyl-1,3-cyclohexanedione	154	C9H14O2	062831-62-3	64
5		Cyclopentane, propyl-	112	C8H16	002040-96-2	64



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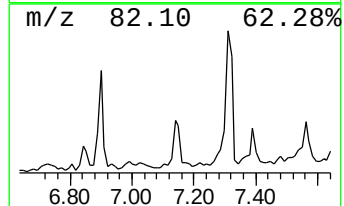
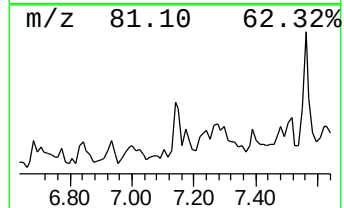
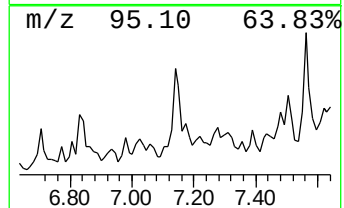
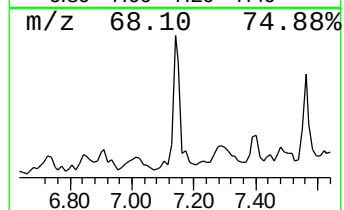
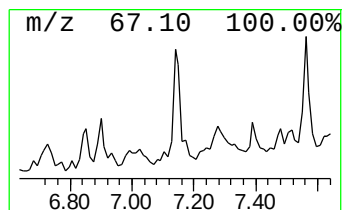
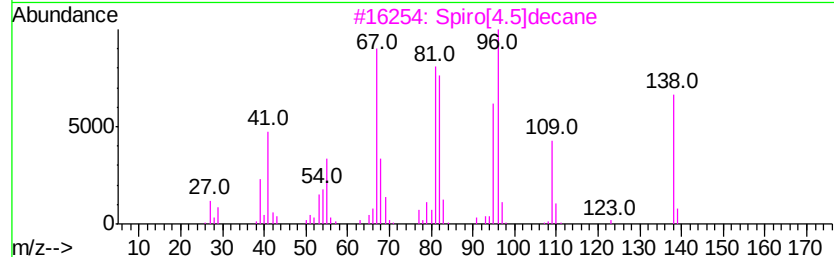
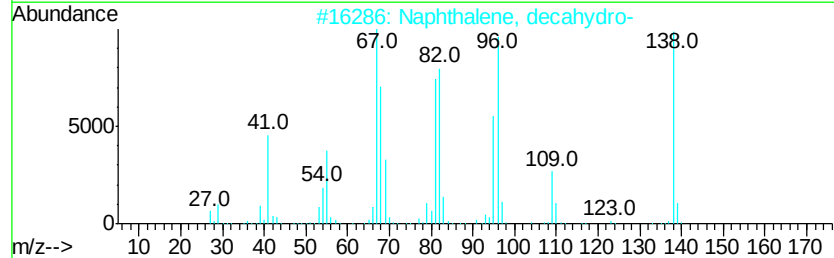
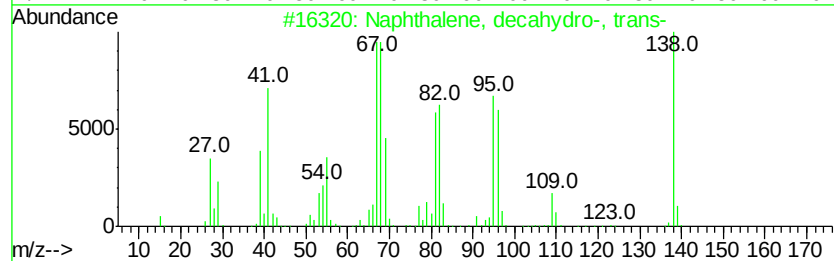
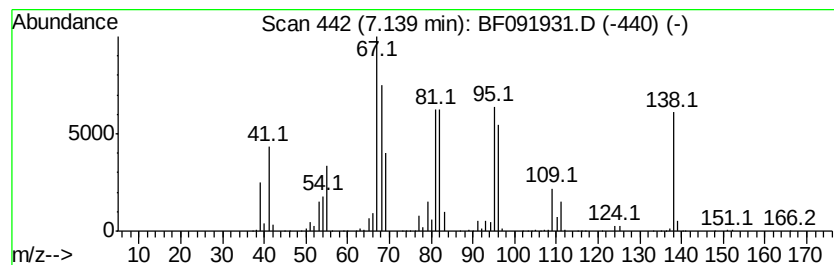
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, decahydro-, tr... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	32.26 ng	5616960	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	90
3		Spiro[4.5]decane	138	C10H18	000176-63-6	70
4		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	55
5		Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	53



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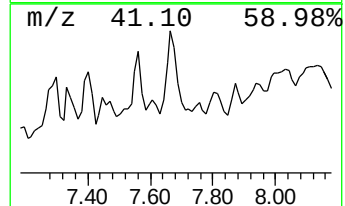
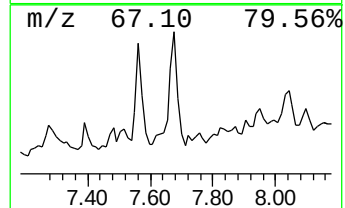
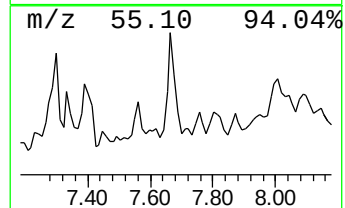
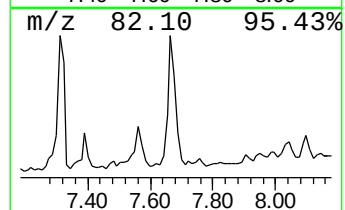
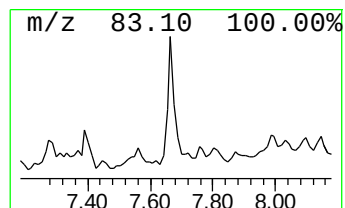
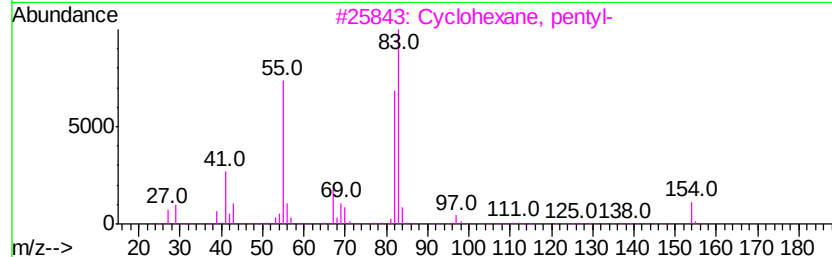
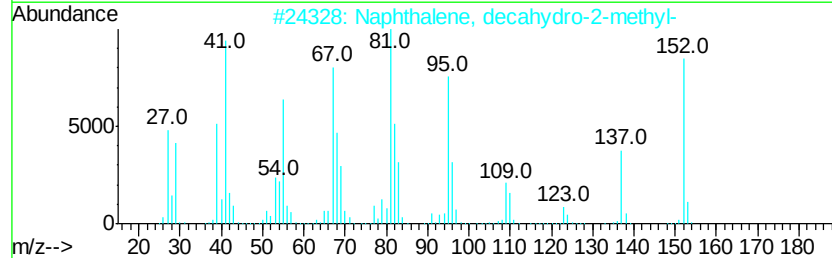
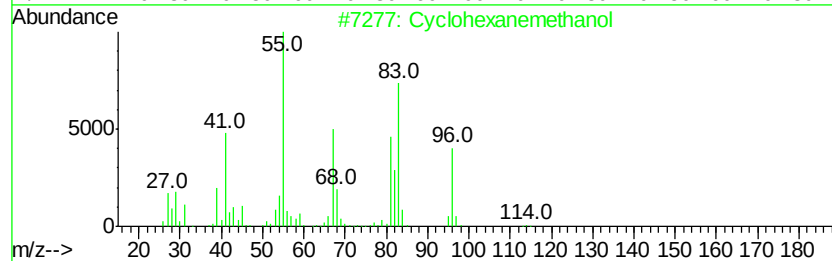
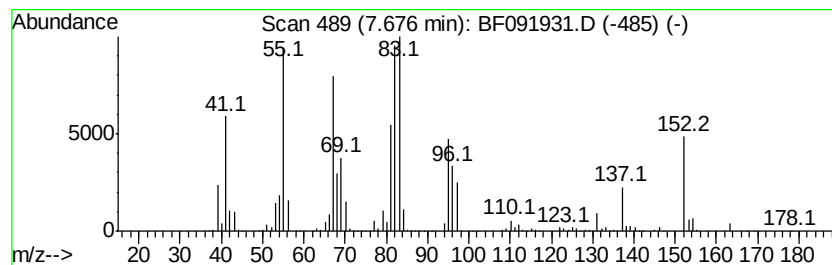
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown7.68 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	53.54 ng	11915900	Naphthalene-d8	8.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexanemethanol	114	C7H14O	000100-49-2	49
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	41
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	38
5		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091931.D
Acq On : 23 Dec 2016 18:38
Operator : UM/SJ
Sample : H6238-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-001-COMP

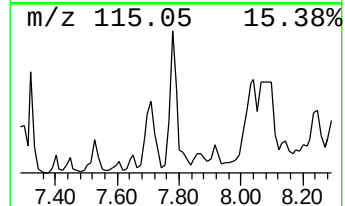
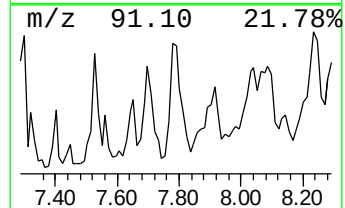
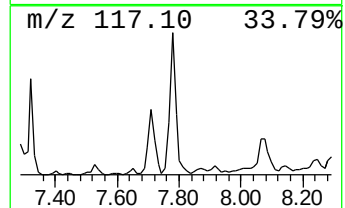
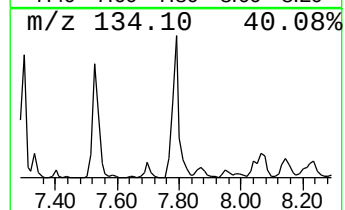
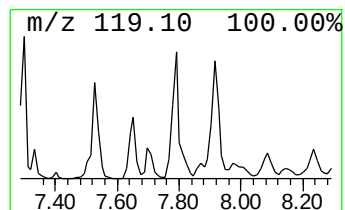
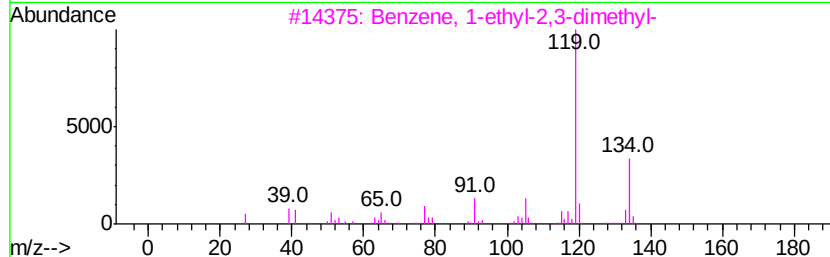
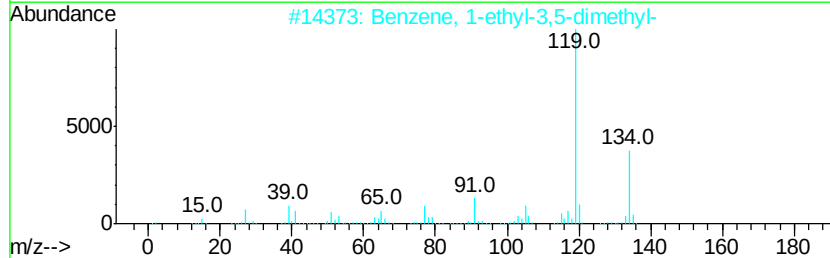
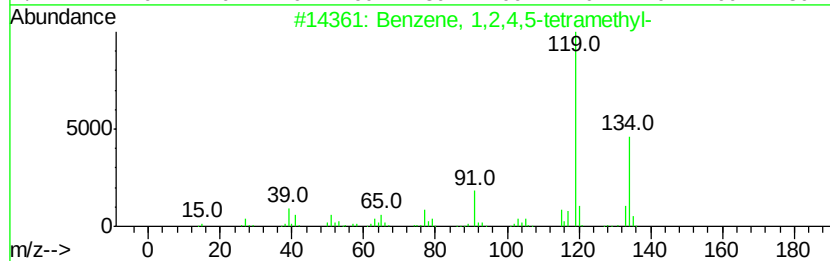
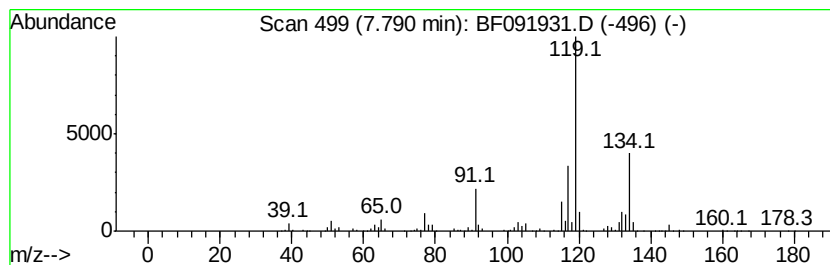
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	31.91 ng	7101410	Naphthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	89
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
5		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
Data File : BF091931.D
Acq On : 23 Dec 2016 18:38
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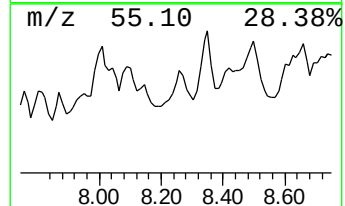
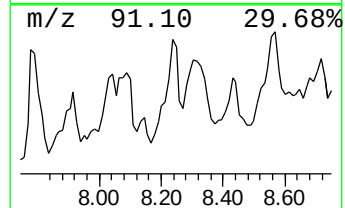
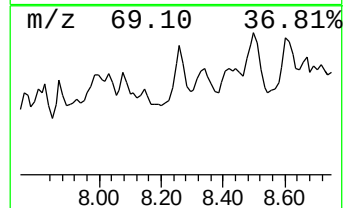
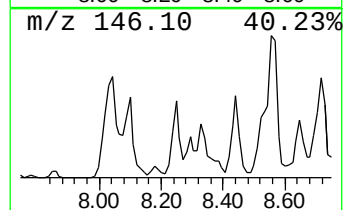
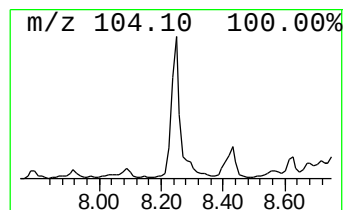
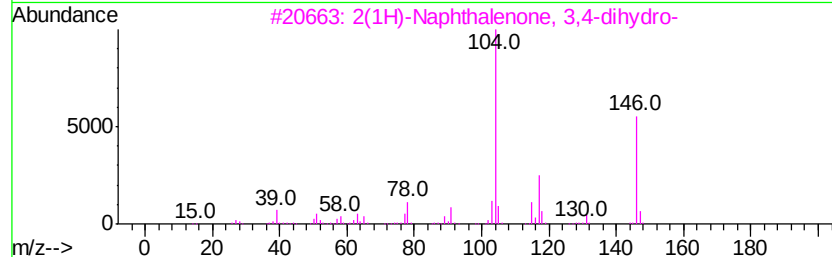
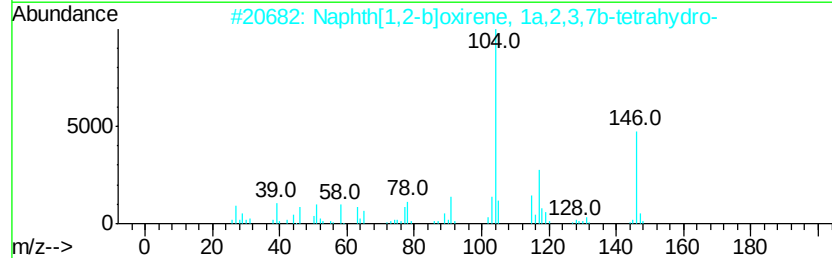
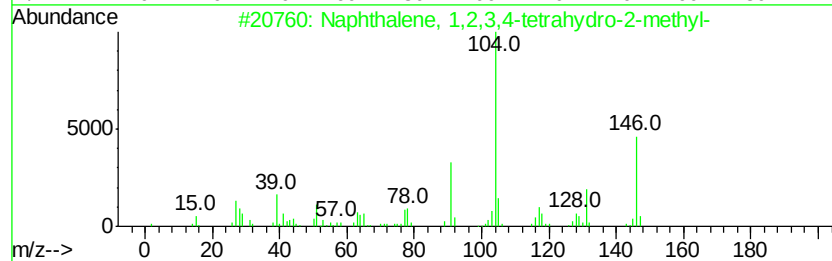
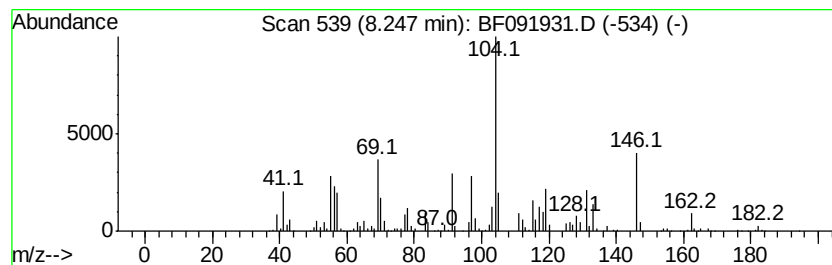
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	41.93 ng	9330790	Naphthalene-d8	8.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	74
2		Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	58
3		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	49
4		Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	38
5		2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091931.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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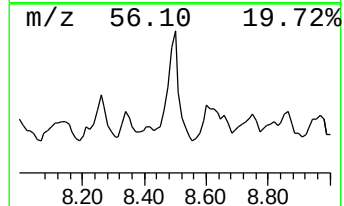
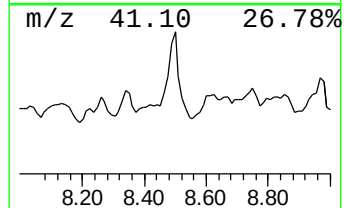
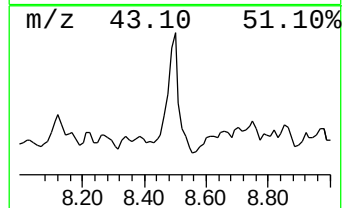
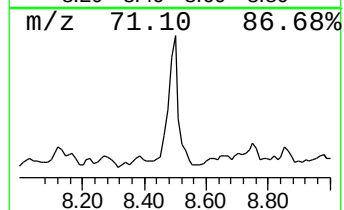
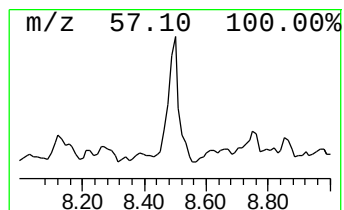
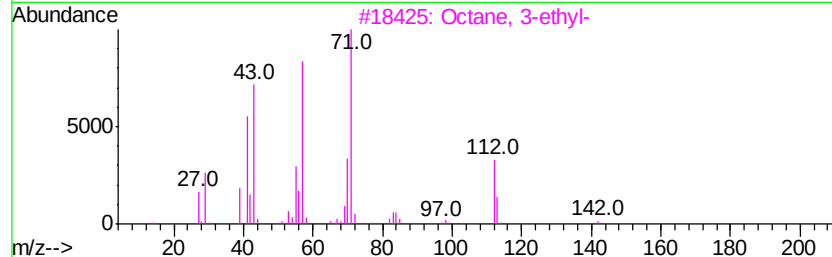
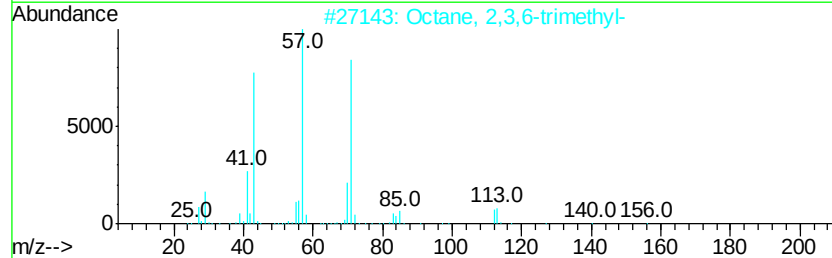
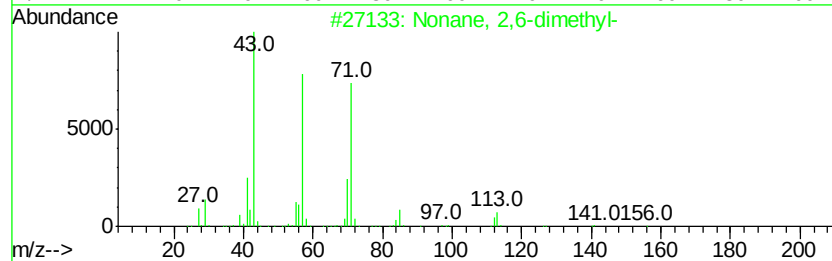
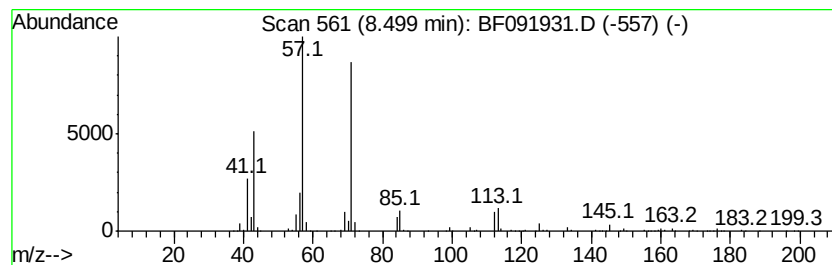
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Nonane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	56.69 ng	12616200	Naphthalene-d8	8.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	83	
2	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	78	
3	Octane, 3-ethyl-	142	C10H22	005881-17-4	72	
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72	
5	Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	64	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
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Sample : H6238-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

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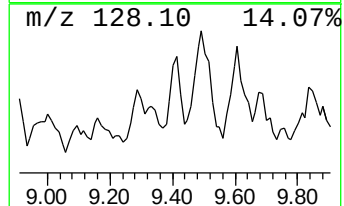
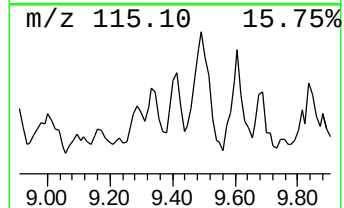
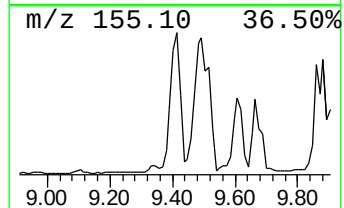
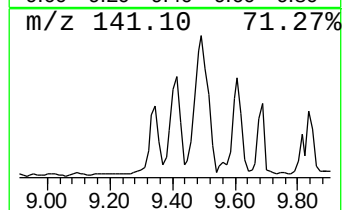
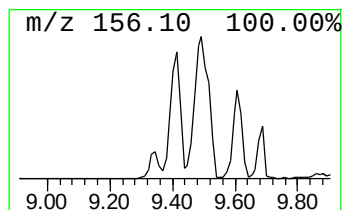
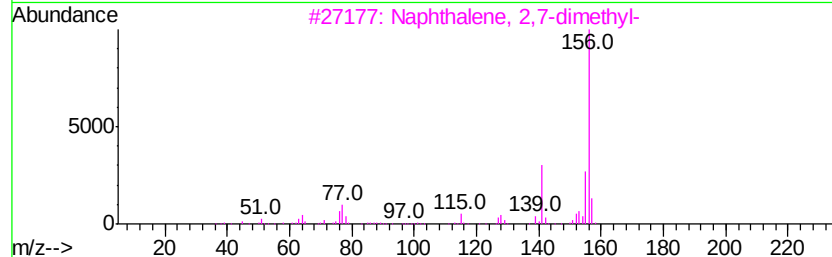
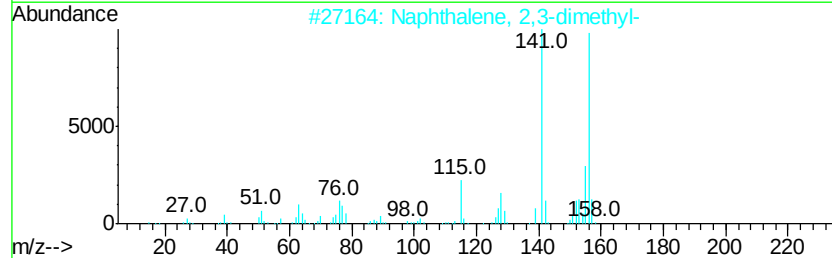
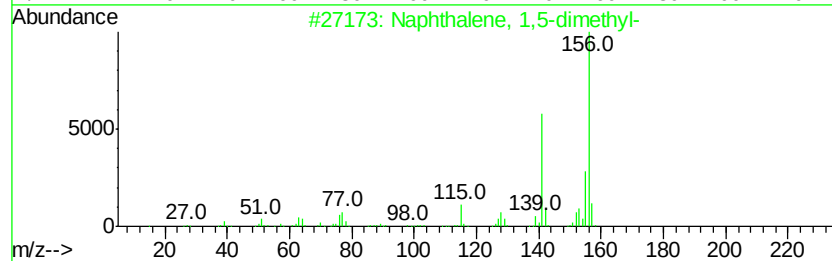
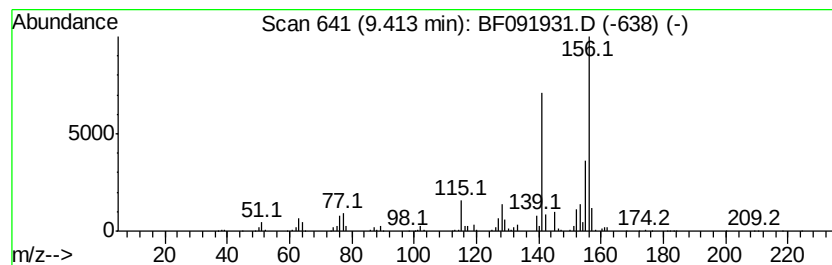
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	34.90 ng	6223030	Acenaphthene-d10	9.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
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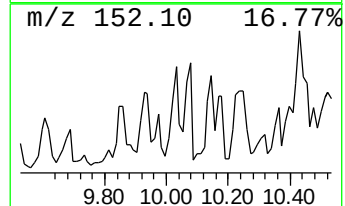
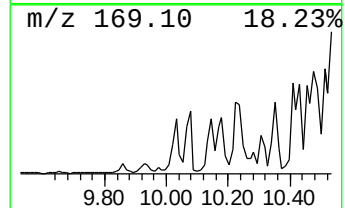
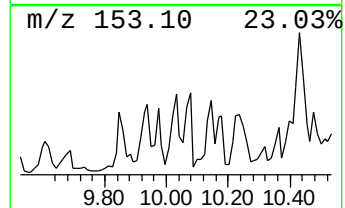
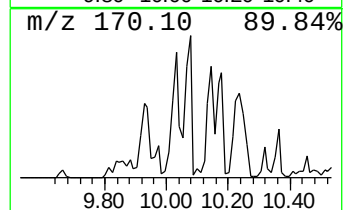
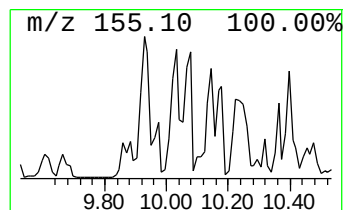
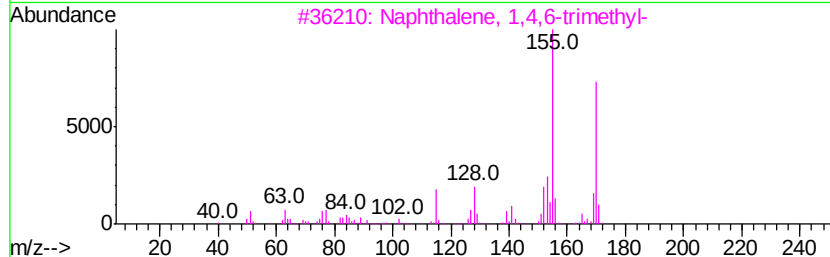
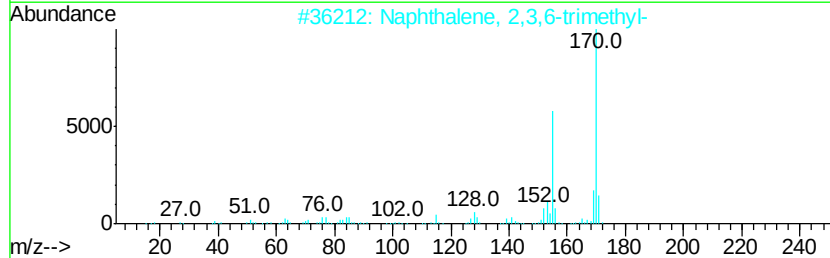
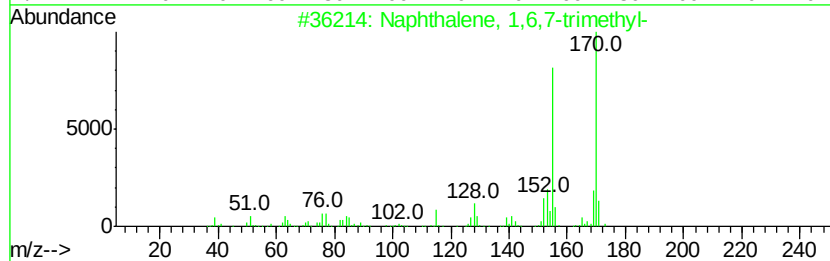
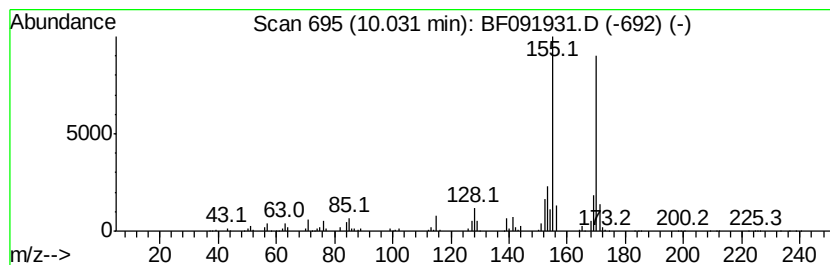
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	30.00 ng	5349720	Acenaphthene-d10	9.81
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 98
2		Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5 97
3		Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2 96
4		Naphthalene, 1,4,5-trimethyl-	170 C13H14	002131-41-1 95
5		Azulene, 4,6,8-trimethyl-	170 C13H14	000941-81-1 94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
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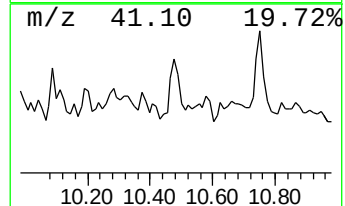
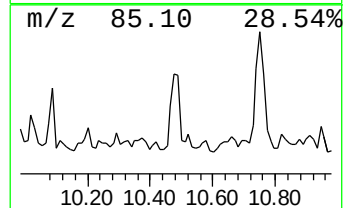
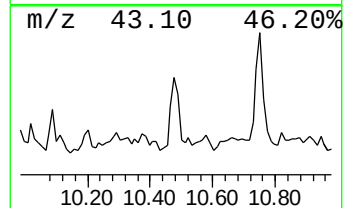
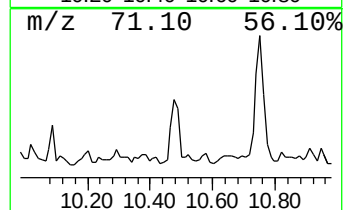
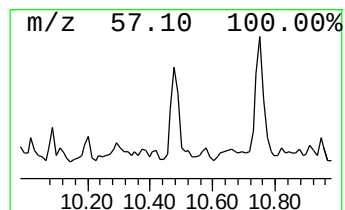
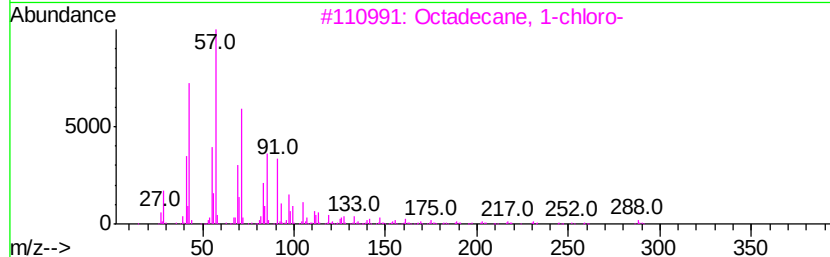
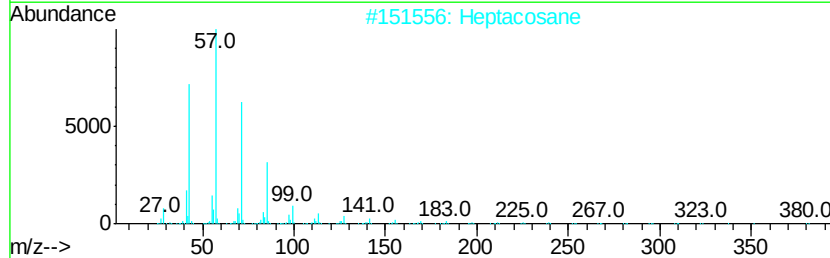
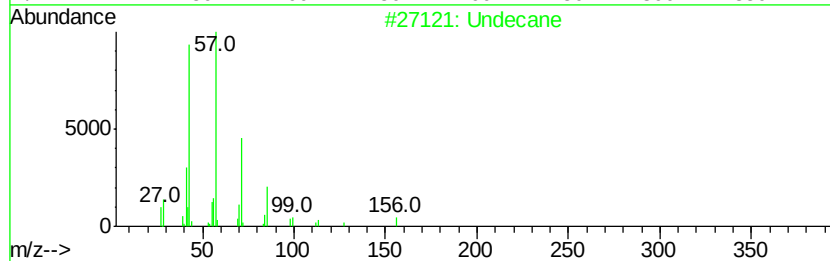
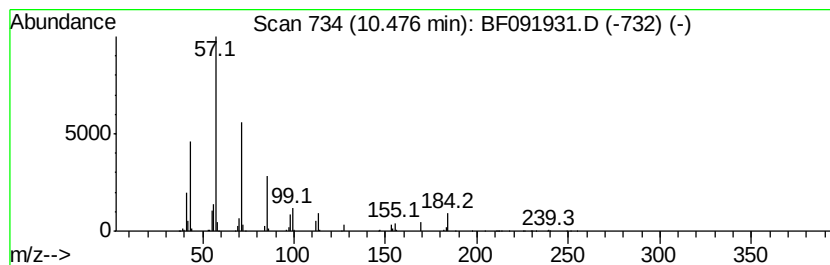
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Undecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	29.73 ng	5301200	Acenaphthene-d10	9.81
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane		156 C11H24	001120-21-4 83
2	Heptacosane		380 C27H56	000593-49-7 72
3	Octadecane, 1-chloro-		288 C18H37Cl	003386-33-2 72
4	Tridecane		184 C13H28	000629-50-5 72
5	Tridecane, 3-methyl-		198 C14H30	006418-41-3 64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
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ALS Vial : 16 Sample Multiplier: 1

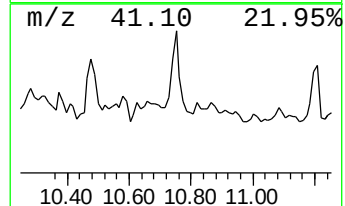
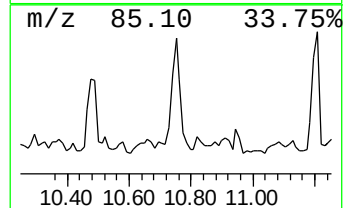
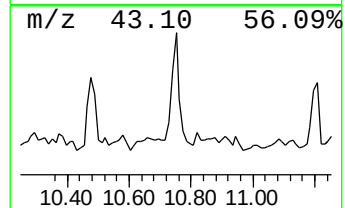
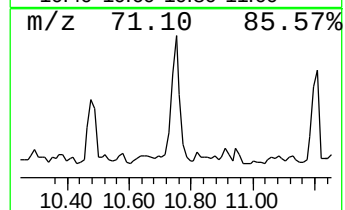
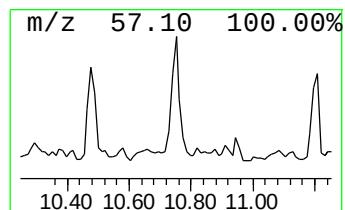
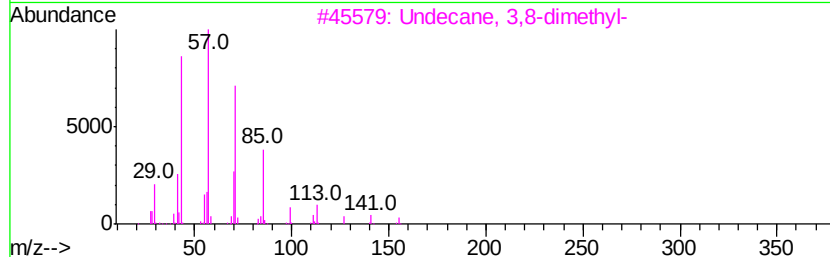
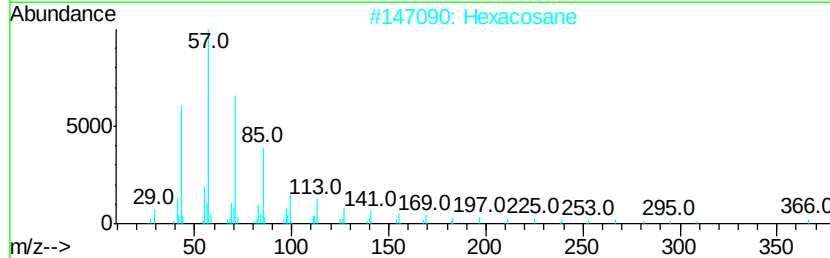
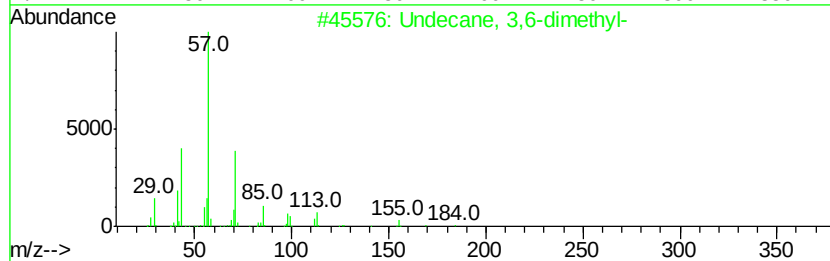
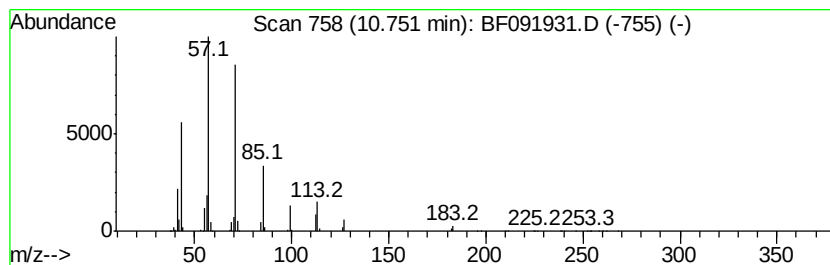
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Undecane, 3,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.		
10.75	111.32 ng	10765000	Phenanthrene-d10		11.29		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane,	3,6-dimethyl-	184	C13H28	017301-28-9	90	
2	Hexacosane		366	C26H54	000630-01-3	83	
3	Undecane,	3,8-dimethyl-	184	C13H28	017301-30-3	83	
4	Octane,	2,6-dimethyl-	142	C10H22	002051-30-1	80	
5	Tridecane,	4-methyl-	198	C14H30	026730-12-1	78	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
Data File : BF091931.D
Acq On : 23 Dec 2016 18:38
Operator : UM/SJ
Sample : H6238-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

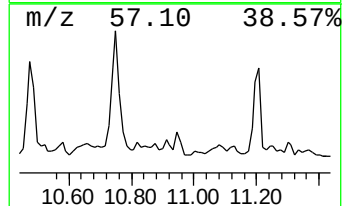
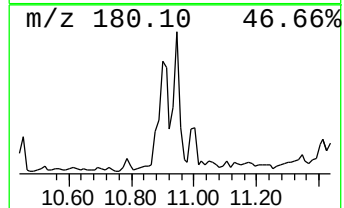
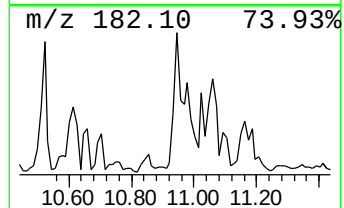
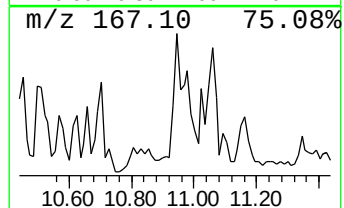
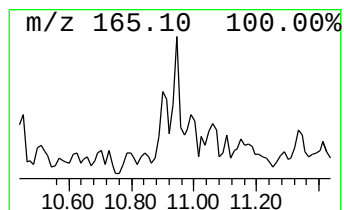
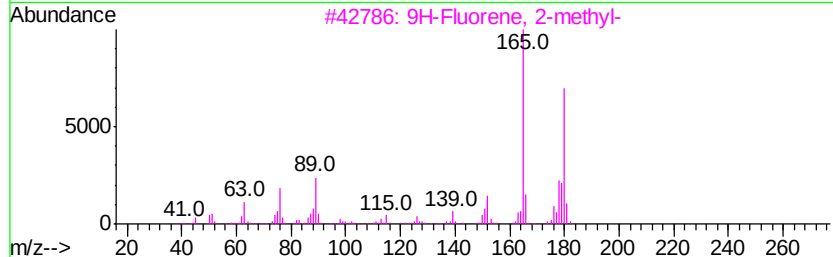
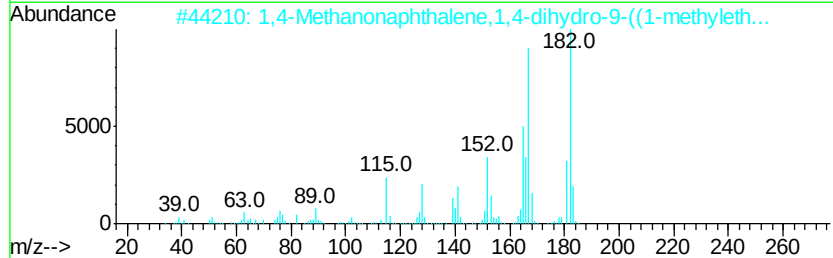
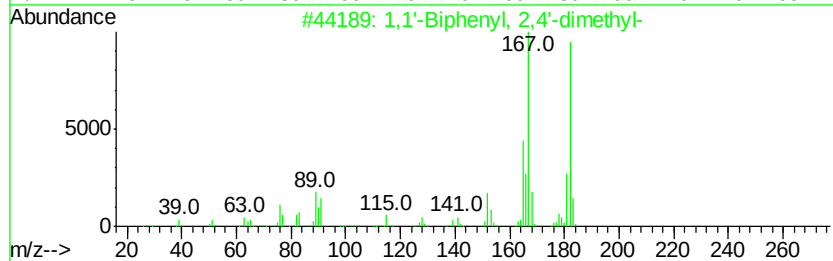
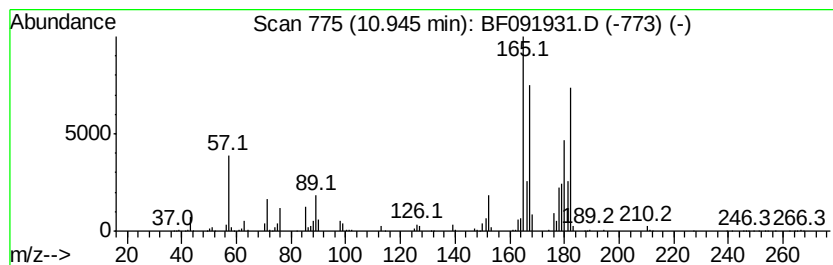
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,1'-Biphenyl, 2,4'-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.94	107.57 ng	10402000	Phenanthrene-d10	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	53
2	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	43
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	42
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	42
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	40



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091931.D
Acq On : 23 Dec 2016 18:38
Operator : UM/SJ
Sample : H6238-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

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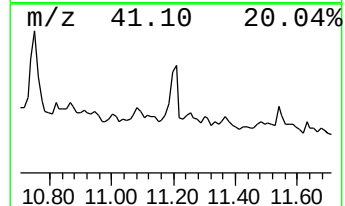
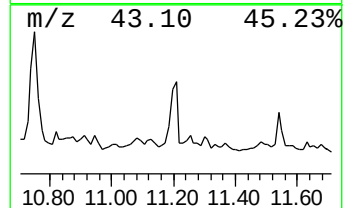
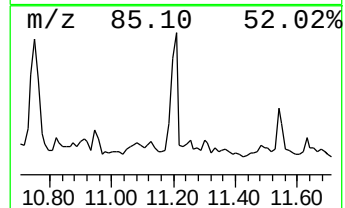
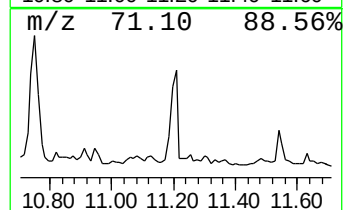
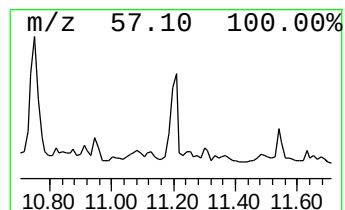
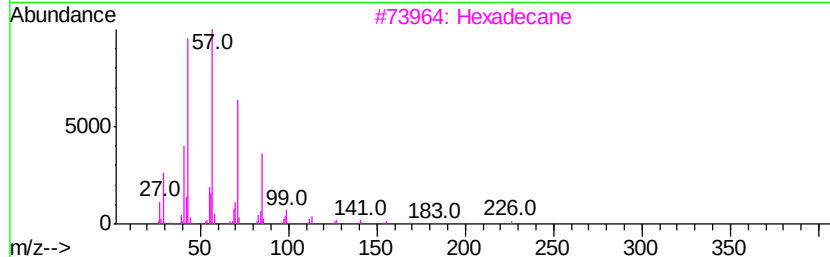
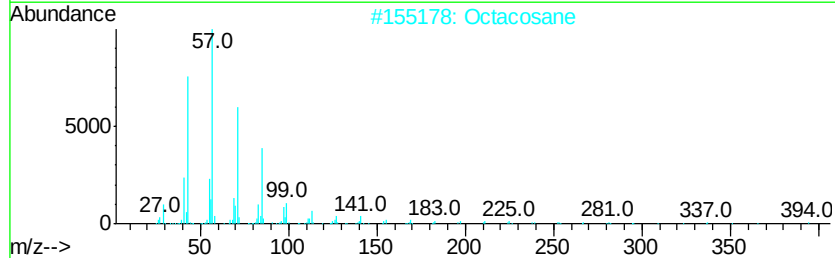
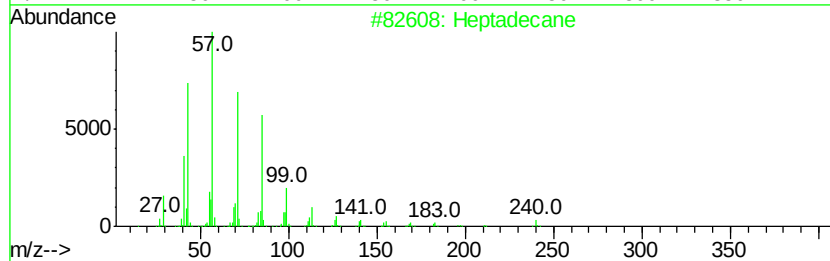
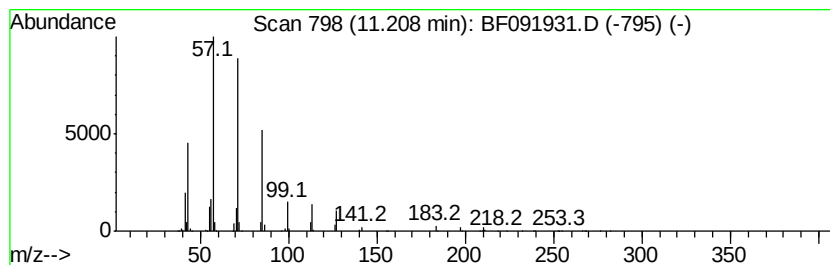
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	91.36 ng	8834770	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	78
2		Octacosane	394	C28H58	000630-02-4	78
3		Hexadecane	226	C16H34	000544-76-3	72
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5		3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
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Acq On : 23 Dec 2016 18:38
Operator : UM/SJ
Sample : H6238-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

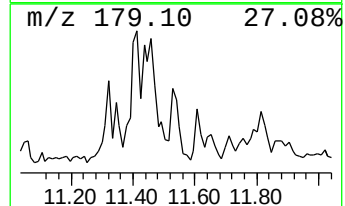
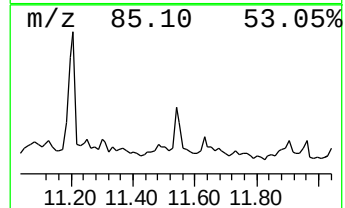
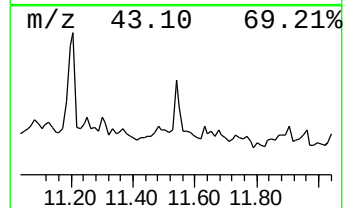
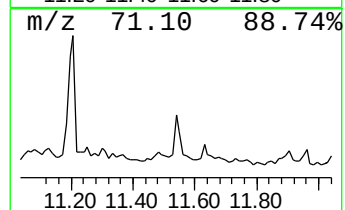
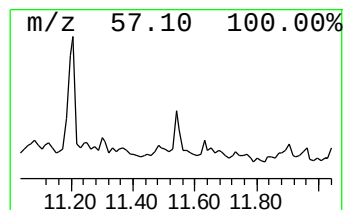
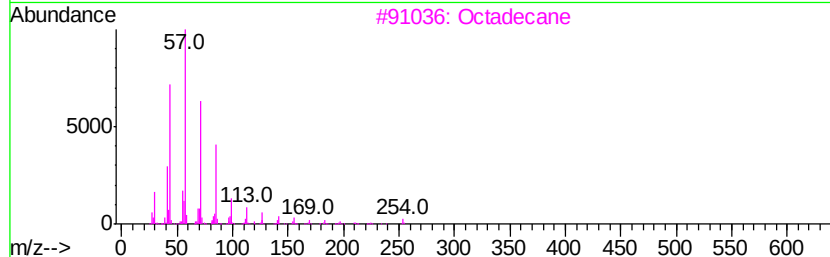
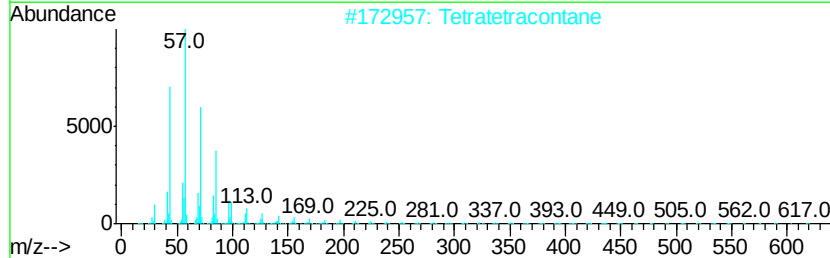
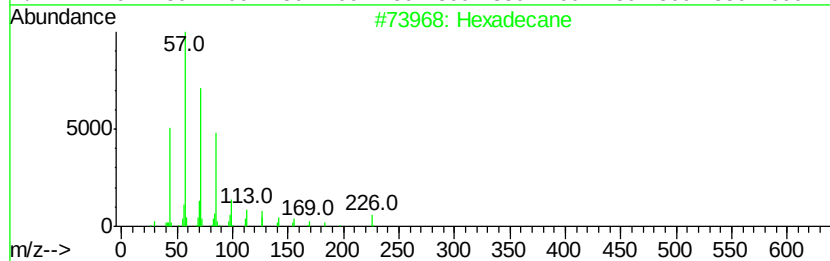
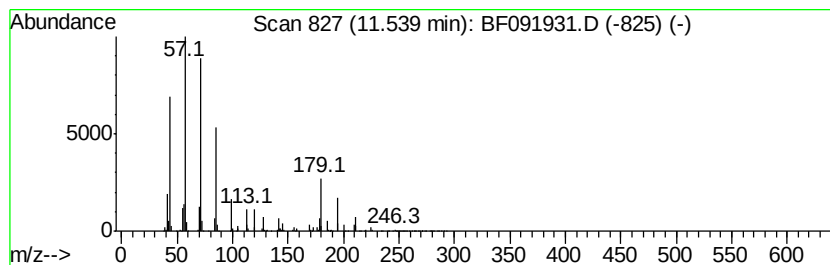
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.54	55.53 ng	5369390	Phenanthrene-d10		11.29		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	64
2			Tetratetracontane	619	C44H90	007098-22-8	64
3			Octadecane	254	C18H38	000593-45-3	59
4			Heneicosane	296	C21H44	000629-94-7	58
5			Heptacosane	380	C27H56	000593-49-7	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
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Acq On : 23 Dec 2016 18:38
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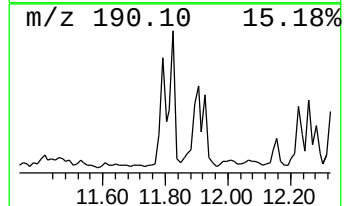
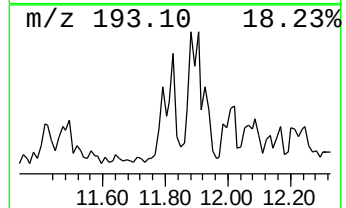
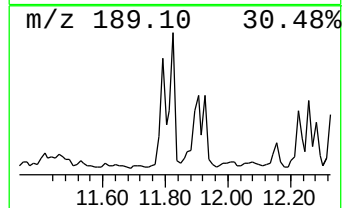
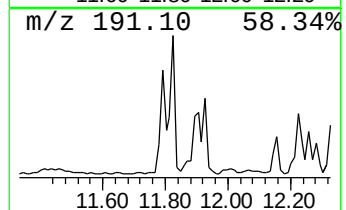
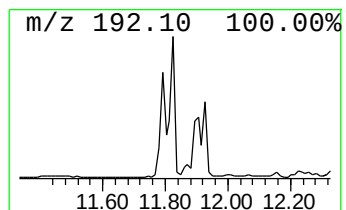
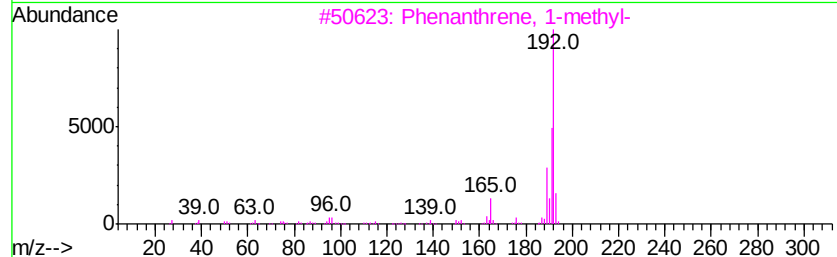
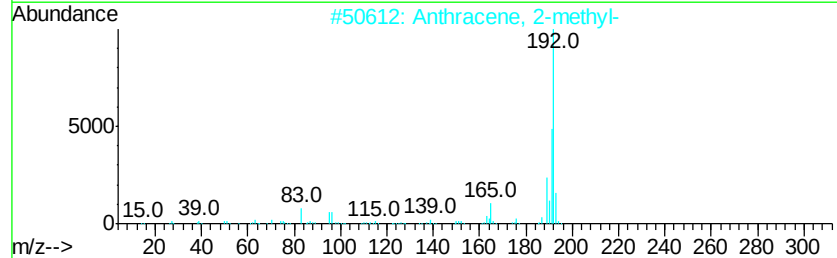
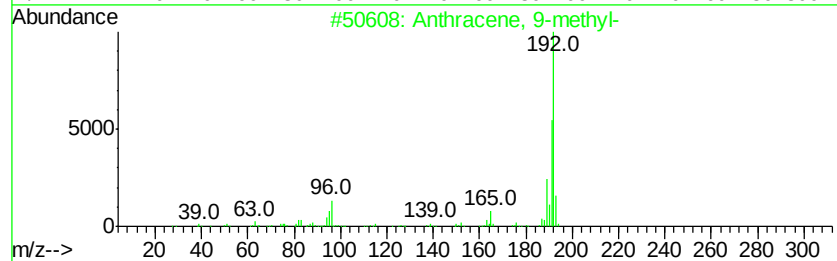
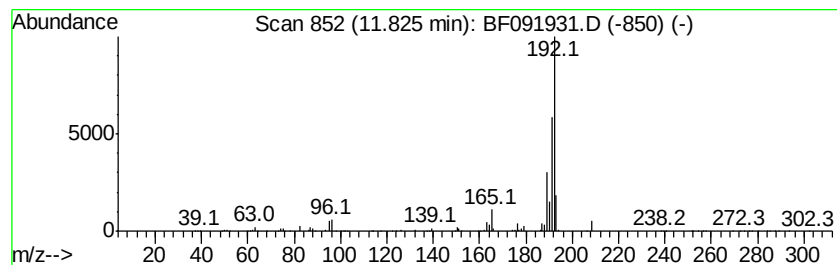
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	34.52 ng	3338570	Phenanthrene-d10	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5			1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
Data File : BF091931.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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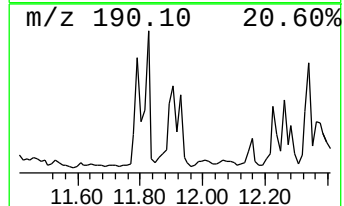
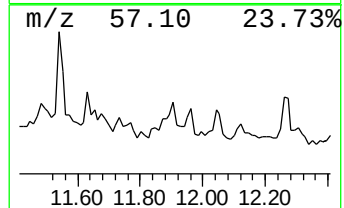
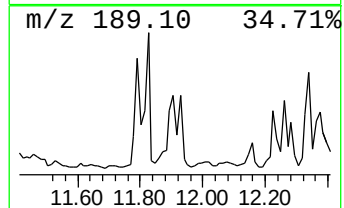
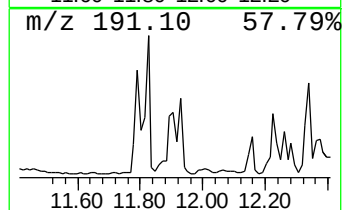
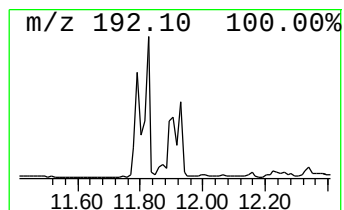
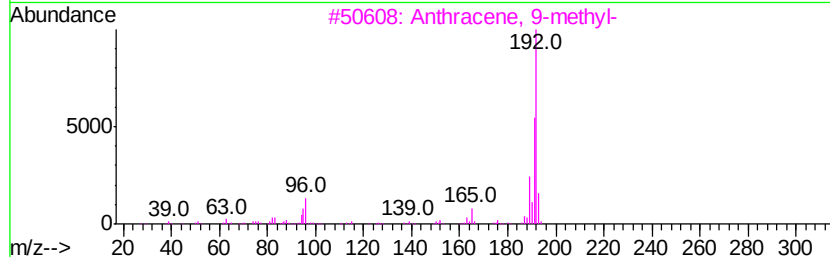
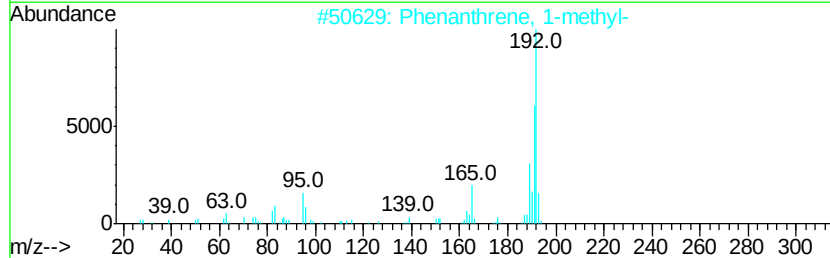
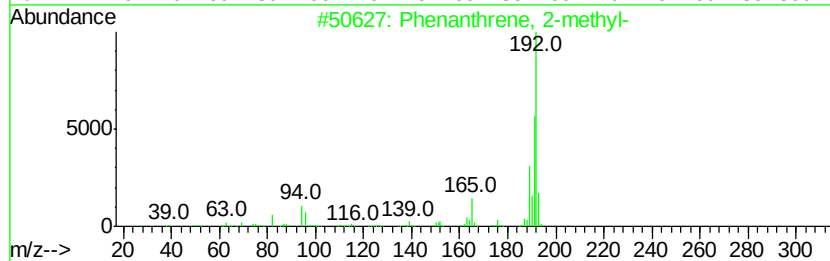
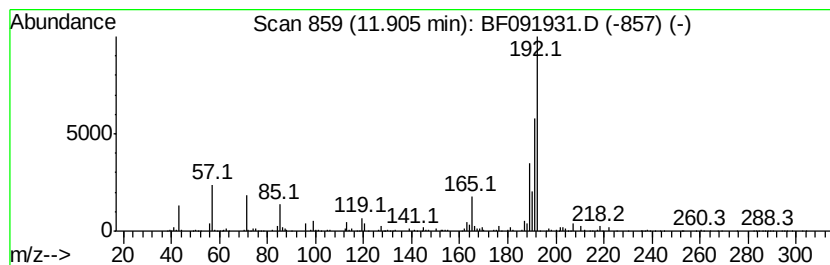
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	55.13 ng	5331550	Phenanthrene-d10	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
4			1H-Cyclopropa[1,1b]phenanthrene, 1a,...	192	C15H12	000949-41-7	68
5			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091931.D
Acq On : 23 Dec 2016 18:38
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Misc :
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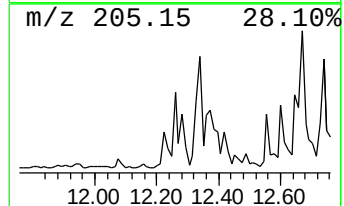
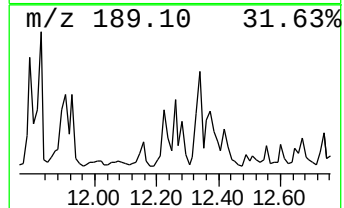
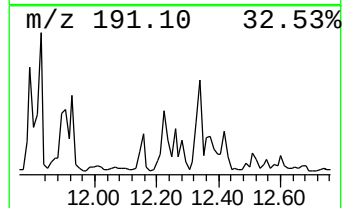
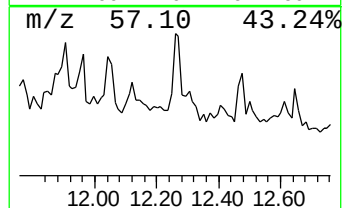
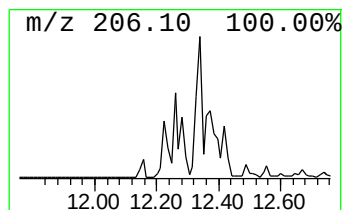
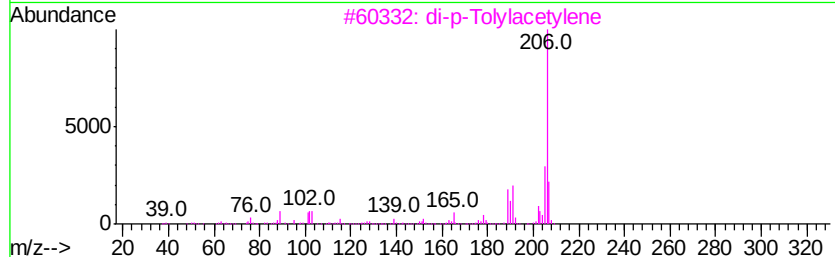
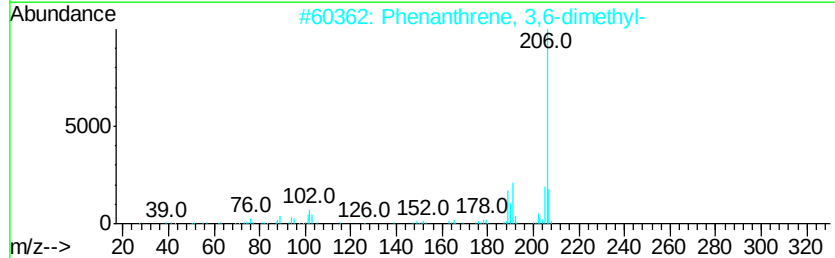
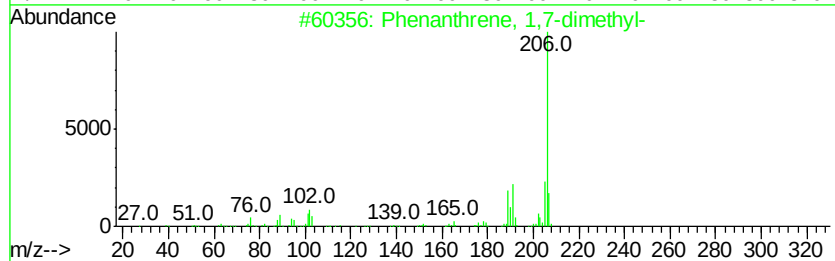
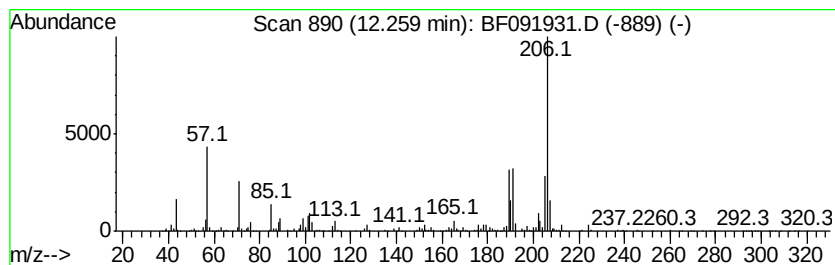
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Phenanthrene, 1,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	41.72 ng	4034180	Phenanthrene-d10	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	76
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\
Data File : BF091931.D
Acq On : 23 Dec 2016 18:38
Operator : UM/SJ
Sample : H6238-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-001-COMP

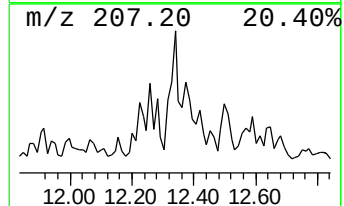
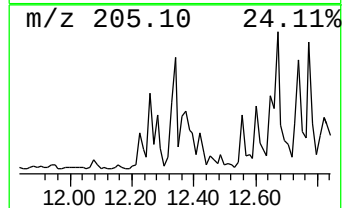
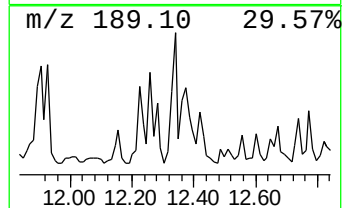
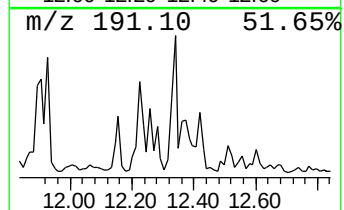
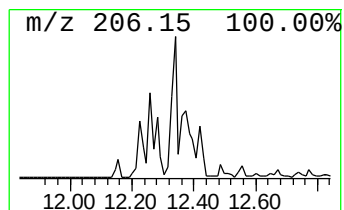
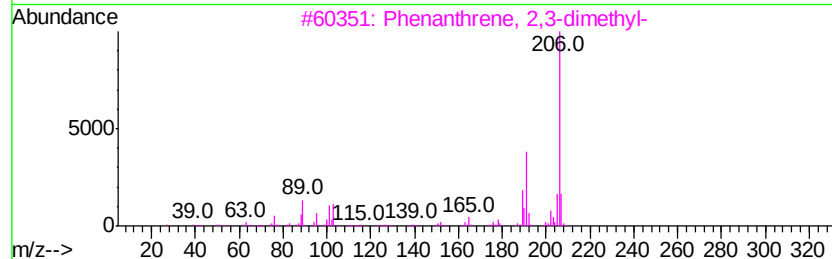
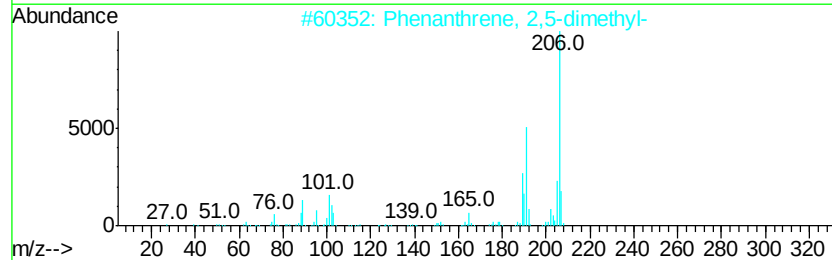
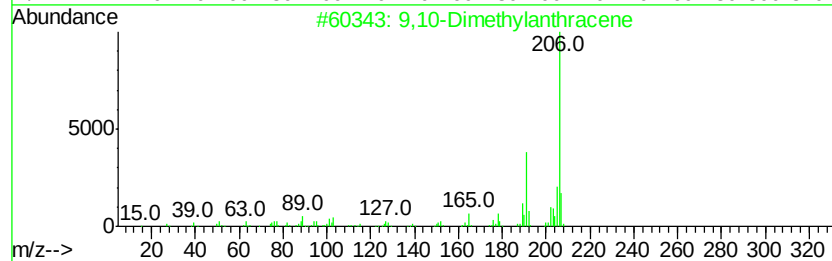
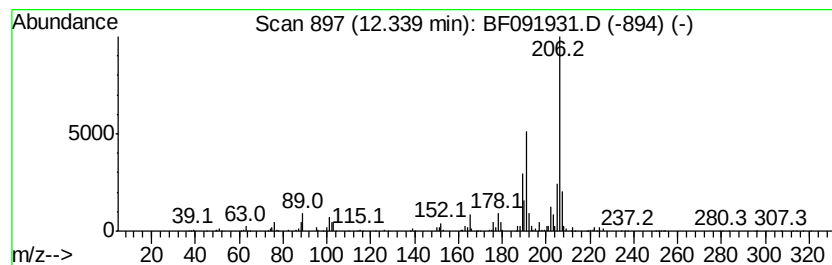
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 9,10-Dimethylantracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	37.66 ng	3642200	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091931.D
 Acq On : 23 Dec 2016 18:38
 Operator : UM/SJ
 Sample : H6238-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-001-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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
unknown6.53	6.53	37.2	ng	6476290	1	6.75	3482380	20.0
Cyclopropane, 1-b...	7.02	41.4	ng	7209890	1	6.75	3482380	20.0
Naphthalene, deca...	7.14	32.3	ng	5616960	1	6.75	3482380	20.0
unknown7.68	7.68	53.5	ng	11915900	2	8.04	4451070	20.0
Benzene, 1,2,4,5-...	7.79	31.9	ng	7101410	2	8.04	4451070	20.0
Naphthalene, 1,2,...	8.25	41.9	ng	9330790	2	8.04	4451070	20.0
Nonane, 2,6-dimet...	8.50	56.7	ng	12616200	2	8.04	4451070	20.0
Naphthalene, 1,5-...	9.41	34.9	ng	6223030	3	9.81	3566310	20.0
Naphthalene, 1,6,...	10.03	30.0	ng	5349720	3	9.81	3566310	20.0
Undecane	10.48	29.7	ng	5301200	3	9.81	3566310	20.0
Undecane, 3,6-dim...	10.75	111.3	ng	10765000	4	11.29	1934040	20.0
1,1'-Biphenyl, 2,...	10.94	107.6	ng	10402000	4	11.29	1934040	20.0
Heptadecane	11.21	91.4	ng	8834770	4	11.29	1934040	20.0
Hexadecane	11.54	55.5	ng	5369390	4	11.29	1934040	20.0
Anthracene, 9-met...	11.83	34.5	ng	3338570	4	11.29	1934040	20.0
Phenanthrene, 2-m...	11.91	55.1	ng	5331550	4	11.29	1934040	20.0
Phenanthrene, 1,7...	12.26	41.7	ng	4034180	4	11.29	1934040	20.0
9,10-Dimethylanth...	12.34	37.7	ng	3642200	4	11.29	1934040	20.0