

Data Path : V:\HPCHEM1\BNA_F\DATA\BF112015\
 Data File : BF083077.D
 Acq On : 20 Nov 2015 12:57
 Operator : UM/IZ
 Sample : G4452-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-01

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-BF111915.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	4.830	237	240	243	rBV	913896	1065077	22.04%	1.135%
2	5.287	278	280	283	rBV	1413277	1945726	40.26%	2.074%
3	6.350	370	373	376	rBV2	2387284	2713116	56.14%	2.892%
4	6.476	381	384	386	rBV	2014664	2437252	50.44%	2.598%
5	6.704	401	404	406	rBV	877231	947666	19.61%	1.010%
6	6.773	408	410	415	rBV3	31696	107814	2.23%	0.115%
7	6.853	415	417	420	rVV	1478322	1718319	35.56%	1.832%
8	7.104	434	439	440	rBV3	65742	119491	2.47%	0.127%
9	7.139	440	442	446	rBV3	42786	80610	1.67%	0.086%
10	7.264	450	453	455	rVB	1789874	1633695	33.81%	1.742%
11	7.356	459	461	465	rBV4	55539	147588	3.05%	0.157%
12	7.516	473	475	478	rBV3	127536	148149	3.07%	0.158%
13	7.584	478	481	482	rBV2	54164	106338	2.20%	0.113%
14	7.630	482	485	488	rVB4	137254	202743	4.20%	0.216%
15	7.756	494	496	500	rVB4	55321	113773	2.35%	0.121%
16	7.824	500	502	504	rBV3	84136	138484	2.87%	0.148%
17	7.893	504	508	511	rBV3	126208	248885	5.15%	0.265%
18	7.996	514	517	520	rBV	1100508	1594806	33.00%	1.700%
19	8.076	523	524	525	rBV	315640	245510	5.08%	0.262%
20	8.167	530	532	533	rBV2	167554	194504	4.03%	0.207%
21	8.213	533	536	538	rBV3	213658	233874	4.84%	0.249%
22	8.293	540	543	544	rVB2	189261	270516	5.60%	0.288%
23	8.362	544	549	550	rBV3	139867	419609	8.68%	0.447%
24	8.442	553	556	560	rBV	1024529	1523951	31.54%	1.625%
25	8.499	560	561	563	rBV	135800	115497	2.39%	0.123%
26	8.544	563	565	568	rBV3	273579	428547	8.87%	0.457%
27	8.613	568	571	573	rBV3	148805	345308	7.15%	0.368%
28	8.705	577	579	581	rVB2	505337	572638	11.85%	0.610%
29	8.739	581	582	584	rBV2	195724	325484	6.74%	0.347%
30	8.807	586	588	592	rVB2	265080	361372	7.48%	0.385%
31	8.887	594	595	596	rBV	121368	121521	2.51%	0.130%
32	8.922	596	598	599	rVB	145842	133404	2.76%	0.142%
33	8.956	599	601	602	rBV2	103970	112641	2.33%	0.120%
34	8.990	602	604	605	rVB2	372271	347486	7.19%	0.370%

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35	9.036	605	608	609	rBV	1263507	1250861	25.88%	1.333%
36	9.070	609	611	614	rVB	2988753	2881232	59.62%	3.071%
37	9.150	614	618	622	rBV4	573826	1534807	31.76%	1.636%
38	9.219	622	624	625	rVV2	180193	148110	3.06%	0.158%
39	9.322	631	633	635	rBV2	131177	242905	5.03%	0.259%
40	9.413	639	641	643	rVV3	270504	442451	9.16%	0.472%
41	9.459	643	645	647	rVV2	1369751	1899080	39.30%	2.024%
42	9.493	647	648	649	rVV	1660771	1213188	25.11%	1.293%
43	9.516	649	650	653	rVB3	346246	335220	6.94%	0.357%
44	9.573	653	655	656	rVB2	249715	243648	5.04%	0.260%
45	9.619	656	659	661	rBV4	386079	830782	17.19%	0.886%
46	9.665	661	663	665	rVB	1085028	1049207	21.71%	1.118%
47	9.699	665	666	667	rBV	307040	286364	5.93%	0.305%
48	9.745	667	670	672	rBV2	1453515	1964905	40.66%	2.095%
49	9.779	672	673	674	rVB	489190	346217	7.16%	0.369%
50	9.950	686	688	690	rVB2	491815	572606	11.85%	0.610%
51	10.019	693	694	696	rBV	491486	510317	10.56%	0.544%
52	10.088	696	700	701	rBV4	289550	543012	11.24%	0.579%
53	10.122	701	703	704	rBV	246261	249048	5.15%	0.265%
54	10.156	704	706	708	rVB2	364053	384036	7.95%	0.409%
55	10.293	716	718	719	rBV	701585	607239	12.57%	0.647%
56	10.419	727	729	731	rBV	1150882	1224398	25.34%	1.305%
57	10.533	737	739	741	rVB	2155224	2054117	42.51%	2.190%
58	10.579	741	743	746	rVB3	269679	522585	10.81%	0.557%
59	10.682	750	752	754	rVV	1604099	2220055	45.94%	2.367%
60	10.739	756	757	758	rVB	291683	201056	4.16%	0.214%
61	10.990	775	779	781	rBV4	331299	794980	16.45%	0.847%
62	11.082	785	787	789	rVV2	379925	556508	11.52%	0.593%
63	11.116	789	790	792	rVV	420907	719859	14.90%	0.767%
64	11.150	792	793	795	rVB	1126408	842525	17.43%	0.898%
65	11.230	797	800	801	rBV	1040418	1634514	33.82%	1.742%
66	11.253	801	802	804	rVV	4322994	3813634	78.92%	4.065%
67	11.299	804	806	808	rVB	1157980	1161303	24.03%	1.238%
68	11.459	819	820	822	rBV	404723	352618	7.30%	0.376%
69	11.733	842	844	845	rBV	588231	670813	13.88%	0.715%
70	11.756	845	846	849	rVV	1003261	840225	17.39%	0.896%
71	11.802	849	850	852	rVV	412747	426012	8.82%	0.454%

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72	11.836	852	853	858	rVB3	991947	1710316	35.39%	1.823%
73	12.031	867	870	873	rVB2	360407	707773	14.65%	0.754%
74	12.282	890	892	893	rBV	402635	512727	10.61%	0.547%
75	12.442	904	906	908	rBV	4399350	4134475	85.56%	4.407%
76	12.488	908	910	914	rVB4	210029	281176	5.82%	0.300%
77	12.579	916	918	921	rVV2	211115	329350	6.82%	0.351%
78	12.671	923	926	928	rVV	3862607	4832396	100.00%	5.151%
79	12.716	928	930	933	rVB2	259972	389929	8.07%	0.416%
80	12.785	934	936	937	rBV	364403	324178	6.71%	0.346%
81	12.819	937	939	941	rVB	3401419	3352734	69.38%	3.574%
82	12.991	950	954	956	rVB2	702640	1207085	24.98%	1.287%
83	13.059	959	960	962	rVV	518433	492682	10.20%	0.525%
84	13.094	962	963	967	rVV3	498832	933458	19.32%	0.995%
85	13.185	969	971	973	rVV2	272410	343486	7.11%	0.366%
86	13.219	973	974	976	rVB	335123	311657	6.45%	0.332%
87	13.608	1006	1008	1009	rBV	378247	455309	9.42%	0.485%
88	13.711	1015	1017	1021	rVB2	330637	668647	13.84%	0.713%
89	13.859	1027	1030	1032	rBV2	2316163	3884612	80.39%	4.141%
90	13.894	1032	1033	1035	rVV	1910800	1478048	30.59%	1.576%
91	13.962	1037	1039	1043	rBV2	250913	430736	8.91%	0.459%
92	14.054	1045	1047	1048	rBV2	256518	280278	5.80%	0.299%
93	14.877	1117	1119	1123	rVB	1254311	2425559	50.19%	2.586%
94	15.151	1140	1143	1145	rVV	683000	933289	19.31%	0.995%
95	15.208	1145	1148	1150	rVV	1049355	1447705	29.96%	1.543%
96	15.265	1150	1153	1154	rVV	524557	920914	19.06%	0.982%
97	15.299	1154	1156	1160	rVB2	1580338	2173706	44.98%	2.317%
98	16.557	1264	1266	1271	rVB2	390041	781291	16.17%	0.833%
99	16.957	1298	1301	1306	rVB	257089	524543	10.85%	0.559%
100	17.220	1321	1324	1329	rVB	307692	747991	15.48%	0.797%

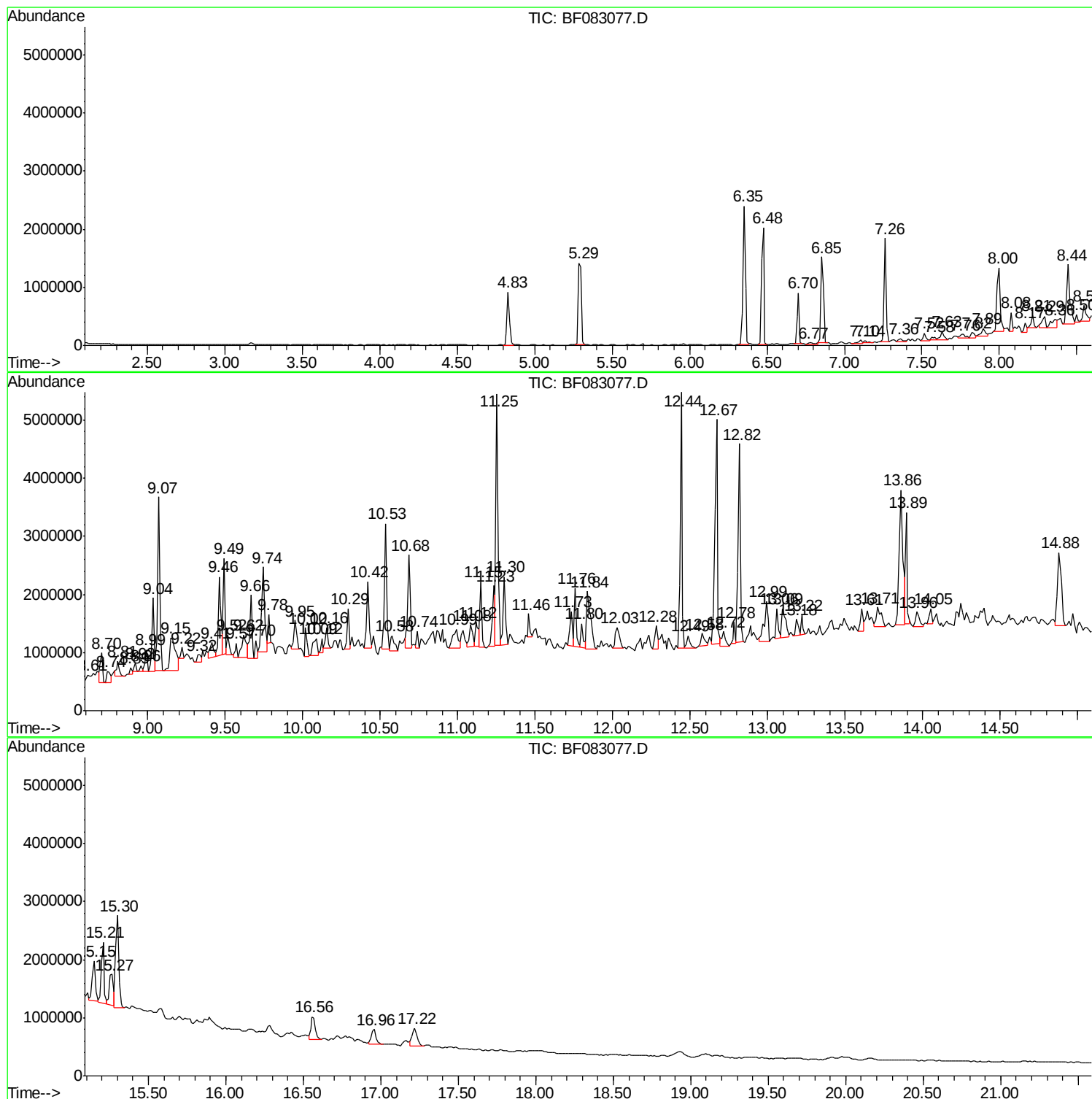
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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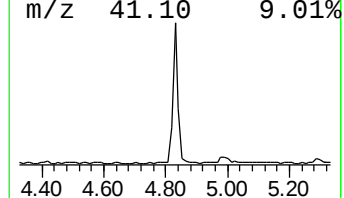
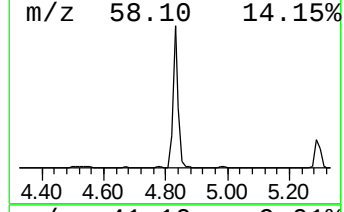
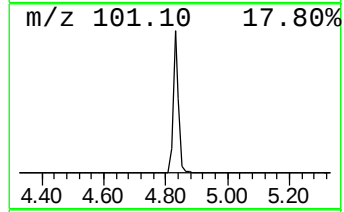
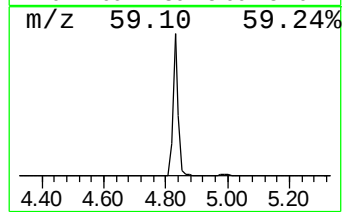
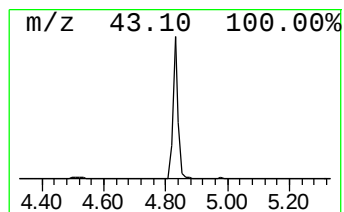
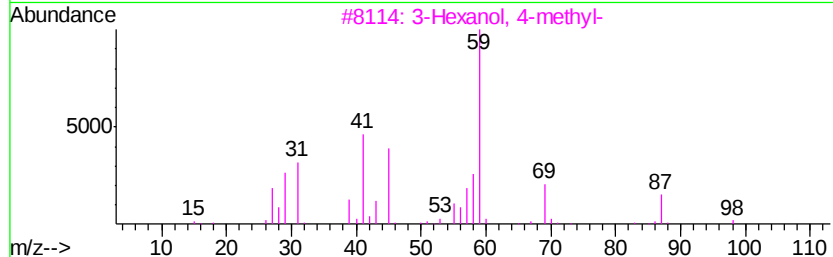
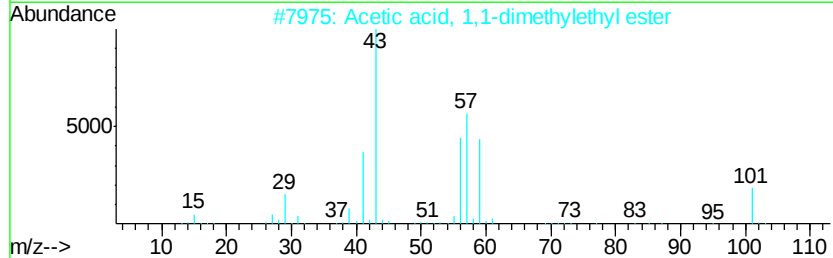
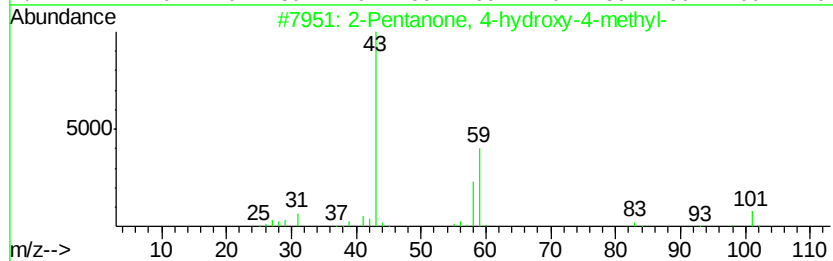
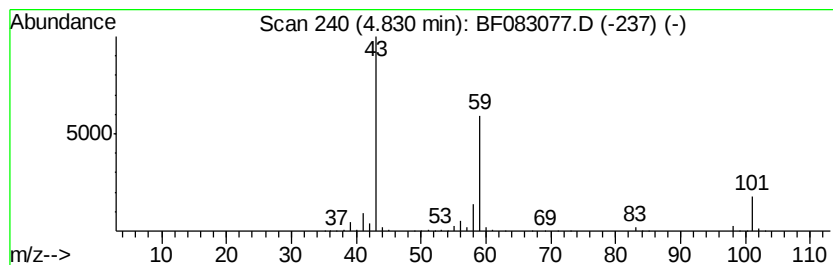
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	22.48 ng	1065080	1,4-Dichlorobenzene-d4	6.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



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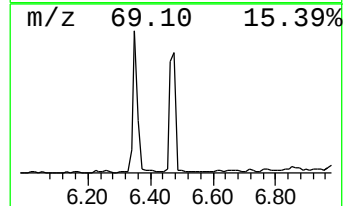
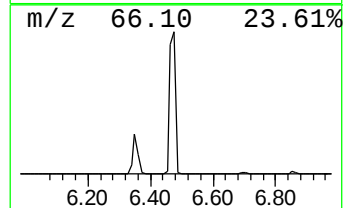
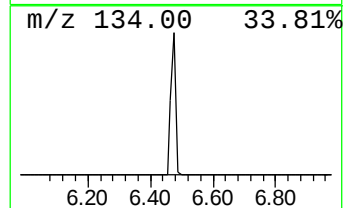
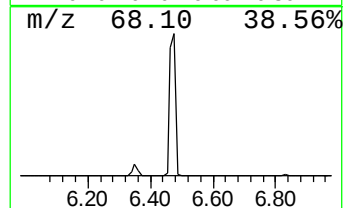
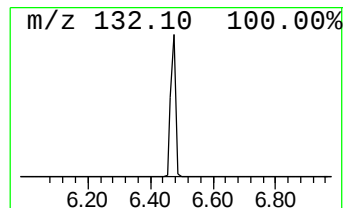
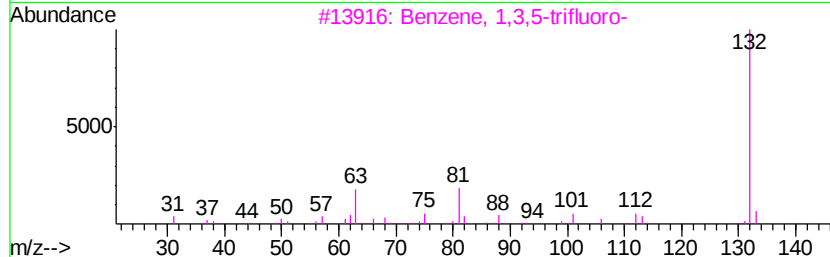
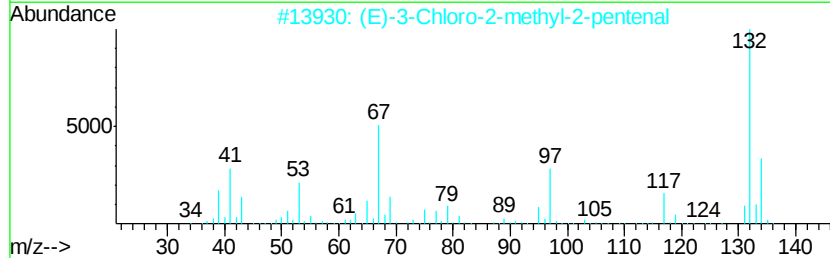
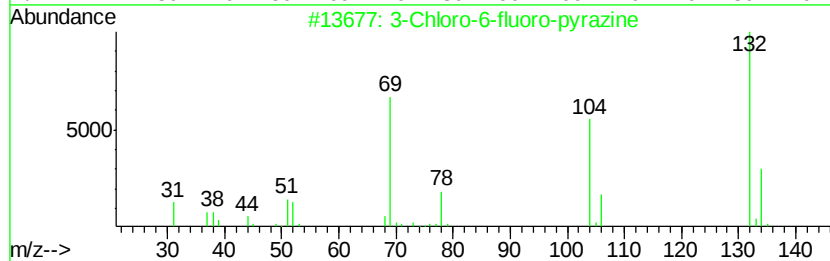
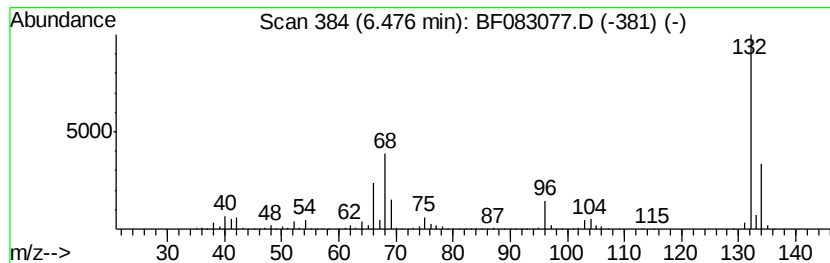
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	51.44 ng	2437250	1,4-Dichlorobenzene-d4	6.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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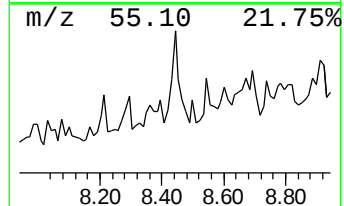
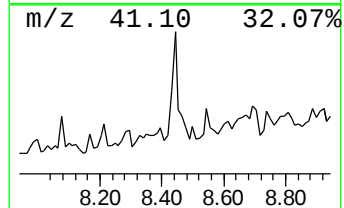
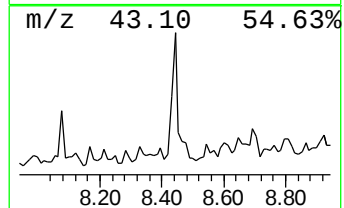
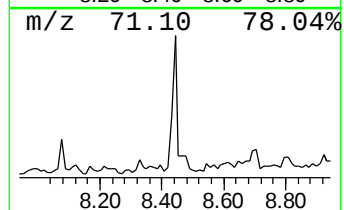
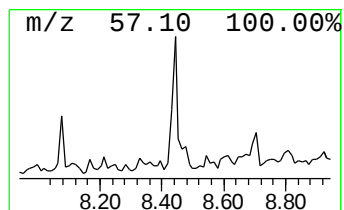
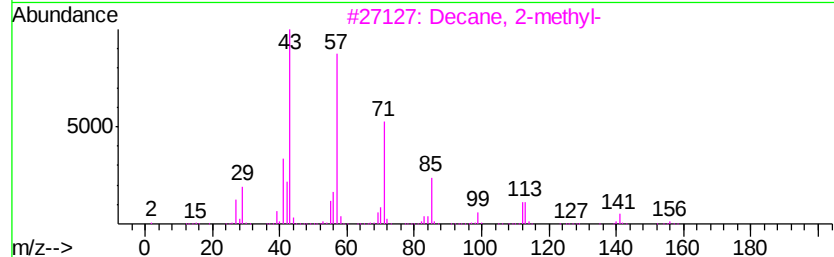
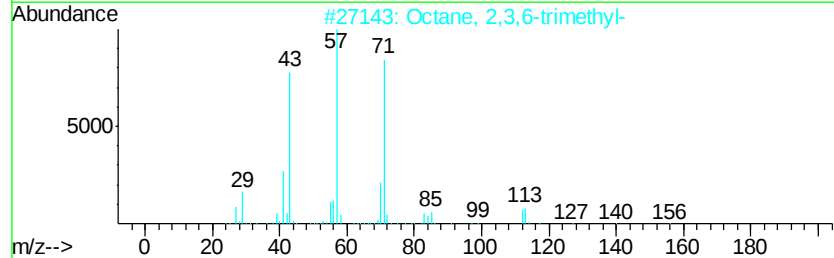
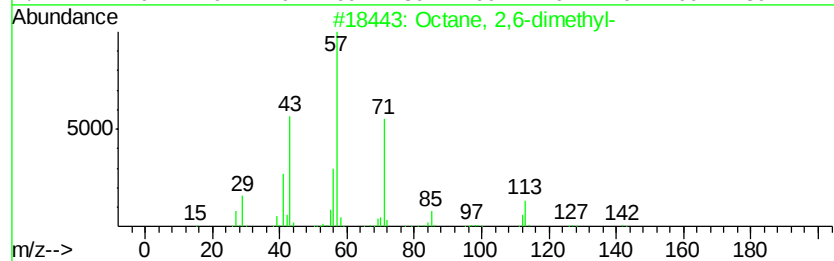
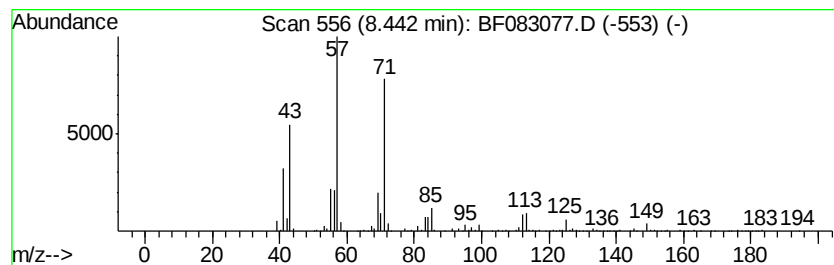
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Octane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	19.11 ng	1523950	Napthalene-d8	8.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
2		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72
3		Decane, 2-methyl-	156	C11H24	006975-98-0	72
4		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72



Data Path : V:\HPCHEM1\BNA_F\DATA\BF112015\
Data File : BF083077.D
Acq On : 20 Nov 2015 12:57
Operator : UM/IZ
Sample : G4452-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW-20151116-01

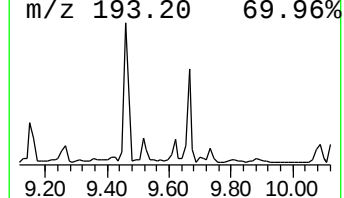
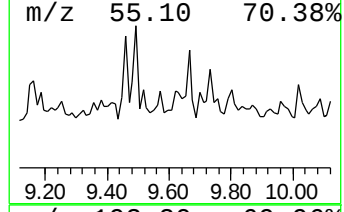
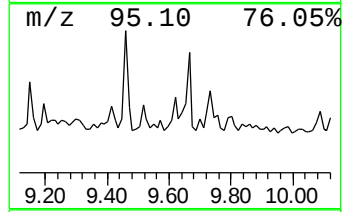
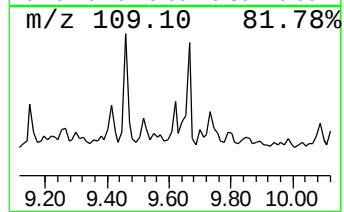
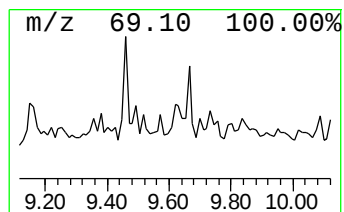
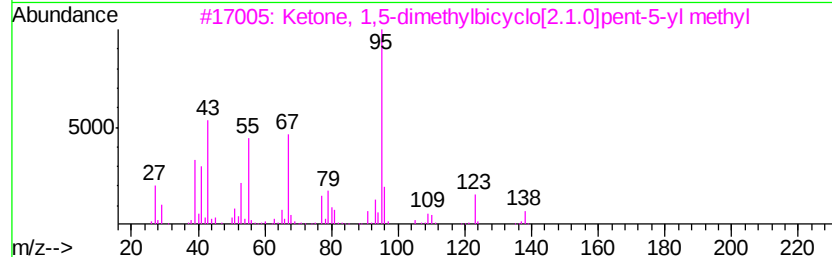
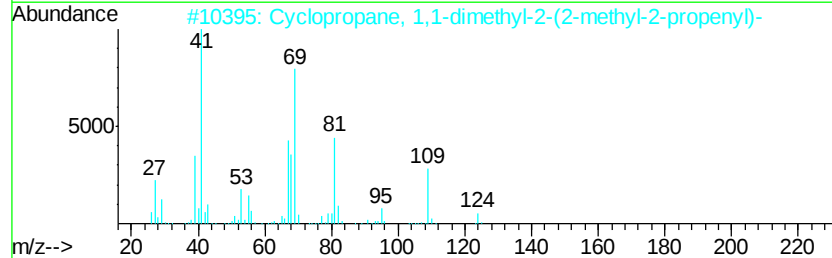
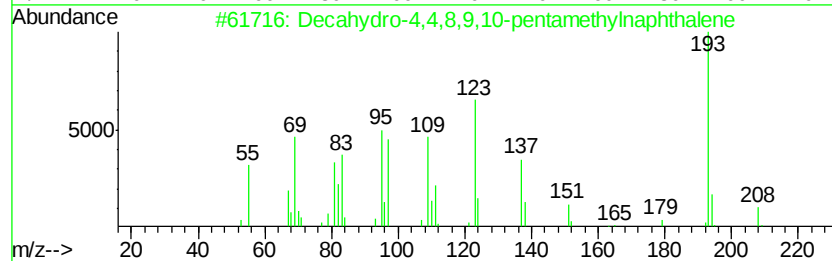
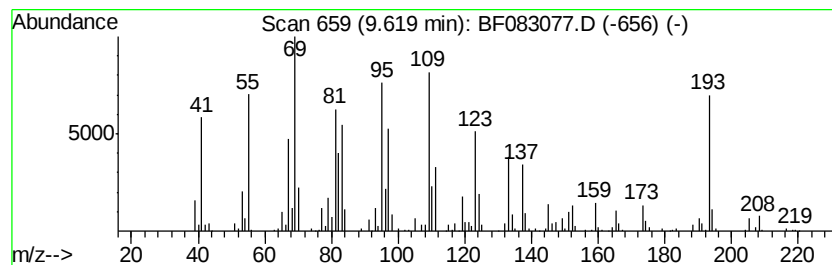
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Decahydro-4,4,8,9,10-pentam... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	8.46 ng	830782	Acenaphthene-d10	9.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	91
2		Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	069147-03-1	25
3		Ketone, 1,5-dimethylbicyclo[2.1....	138	C9H14O	024081-57-0	25
4		Bicyclo[3.1.0]hexan-2-one, 4-met...	152	C10H16O	002506-61-8	22
5		1,3-Hexadiene, 3-ethyl-2,5-dimet...	138	C10H18	062338-07-2	20



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083077.D
Acq On : 20 Nov 2015 12:57
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Sample : G4452-01
Misc :
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ClientSampleId :
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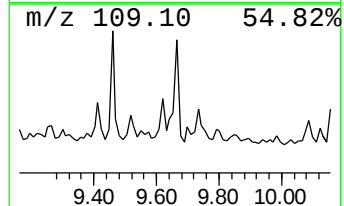
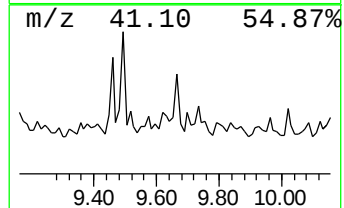
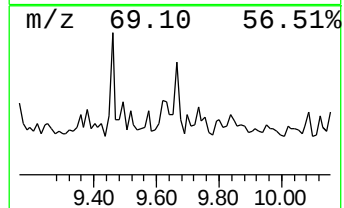
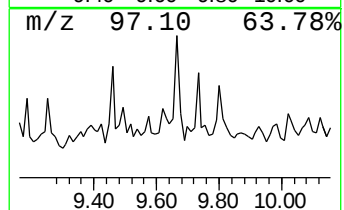
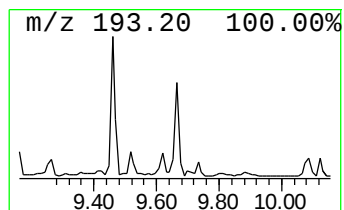
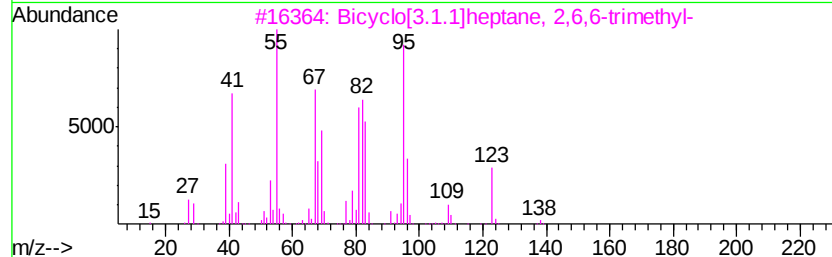
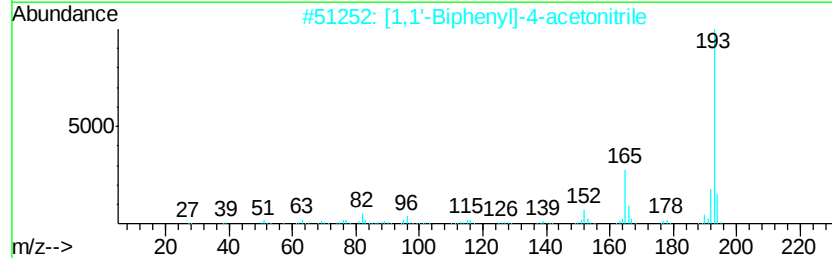
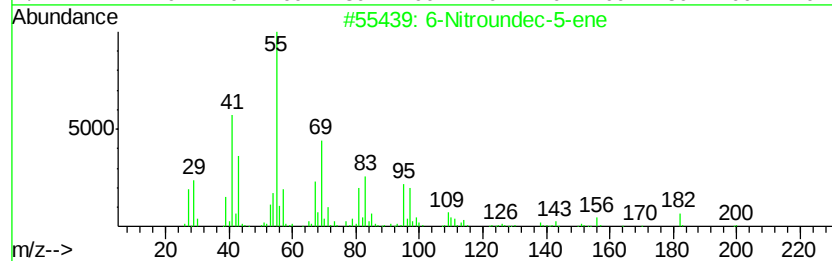
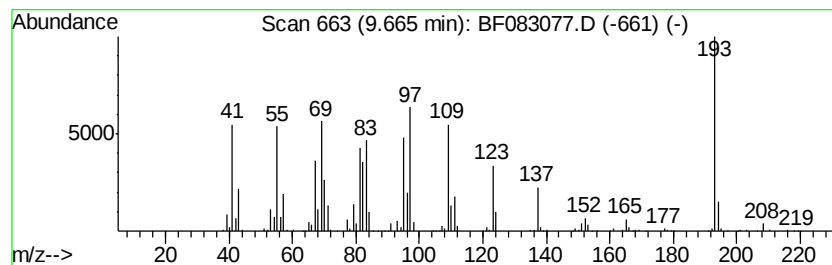
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown9.66 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	10.68 ng	1049210	Acenaphthene-d10	9.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Nitroundec-5-ene	199	C11H21NO2	1000192-40-3	35
2		[1,1'-Biphenyl]-4-acetonitrile	193	C14H11N	031603-77-7	25
3		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	22
4		Pentanoic acid, 10-undecenyl ester	254	C16H30O2	1000159-93-4	22
5		Hexadecanedinitrile	248	C16H28N2	006812-44-8	14



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083077.D
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Operator : UM/IZ
Sample : G4452-01
Misc :
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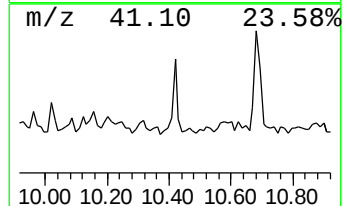
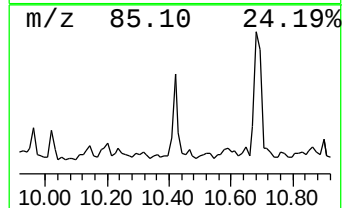
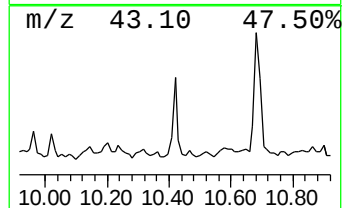
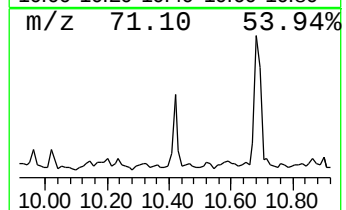
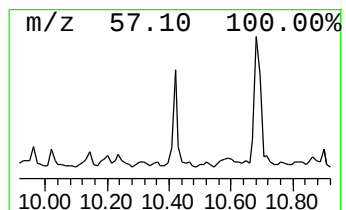
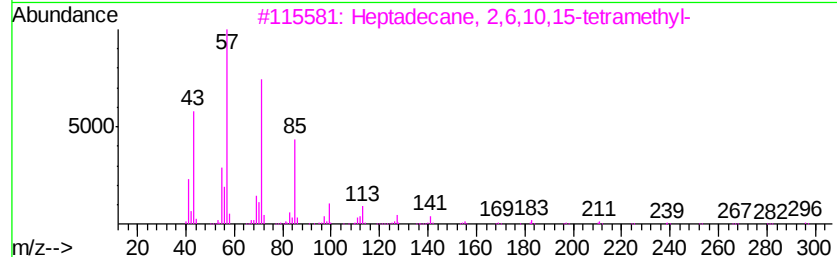
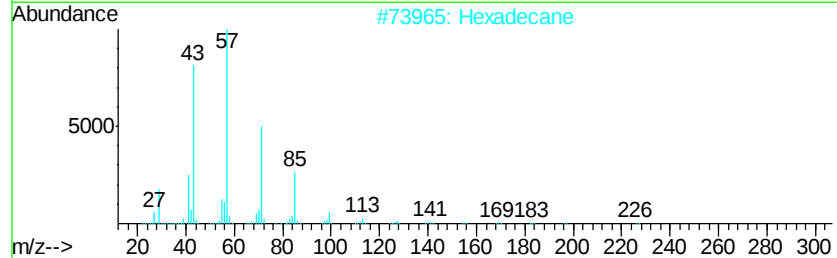
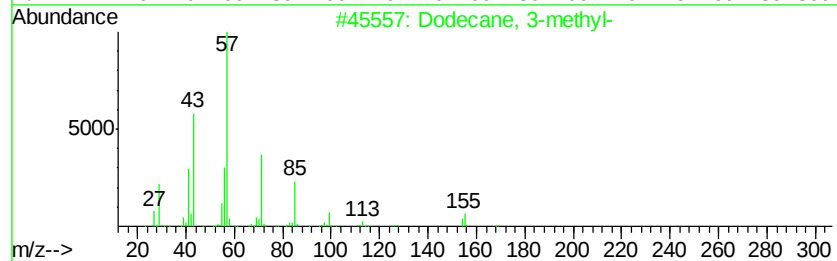
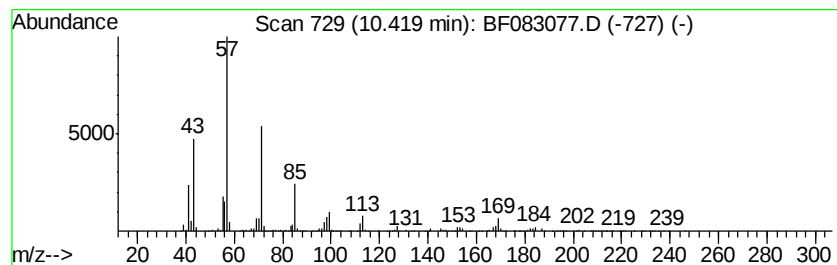
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dodecane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	12.46 ng	1224400	Acenaphthene-d10	9.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
2		Hexadecane	226	C16H34	000544-76-3	59
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	59
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	58
5		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	53



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083077.D
Acq On : 20 Nov 2015 12:57
Operator : UM/IZ
Sample : G4452-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RW-20151116-01

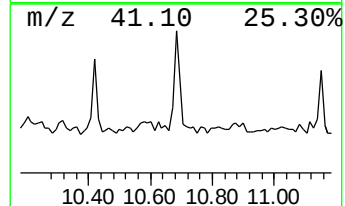
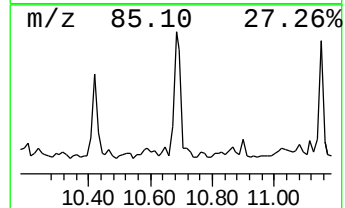
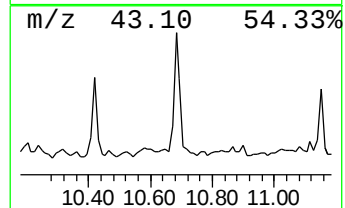
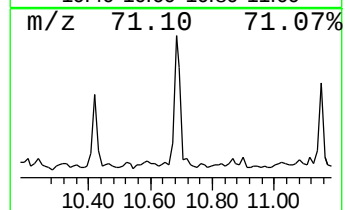
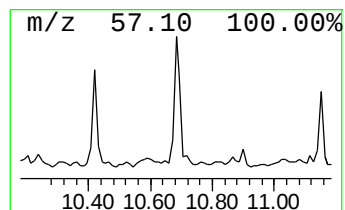
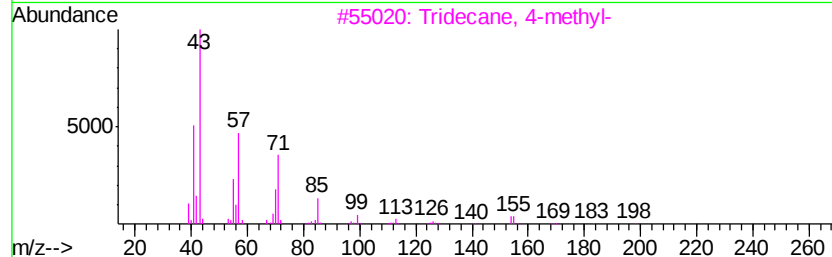
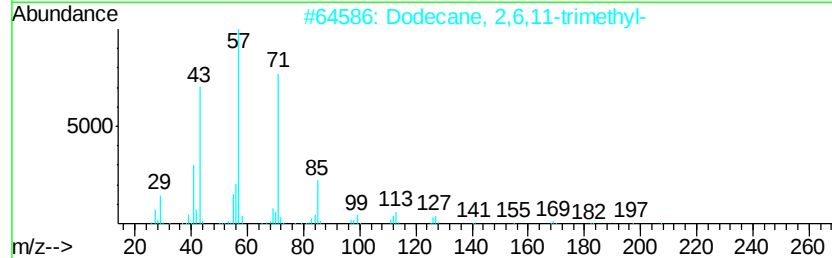
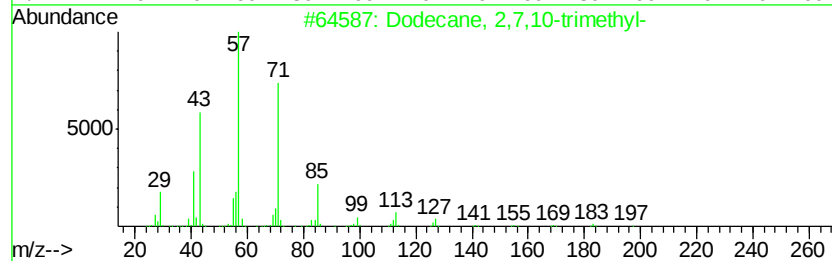
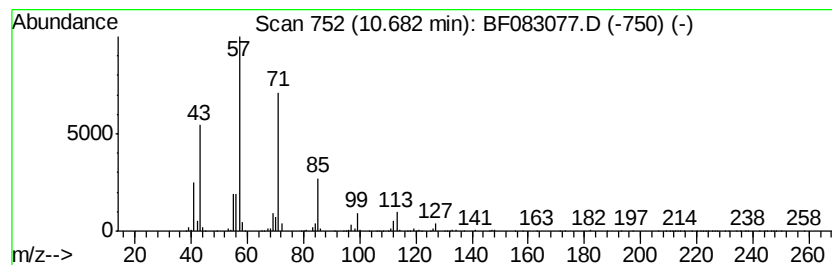
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dodecane, 2,7,10-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	27.16 ng	2220060	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
3		Tridecane, 4-methyl-	198	C14H30	026730-12-1	78
4		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
5		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	59



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
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Acq On : 20 Nov 2015 12:57
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Sample : G4452-01
Misc :
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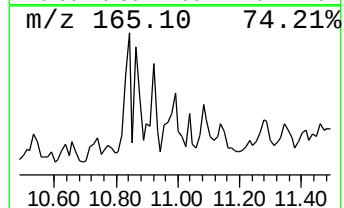
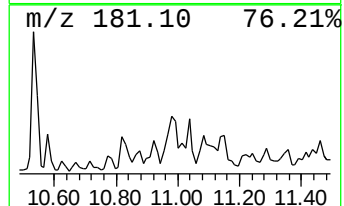
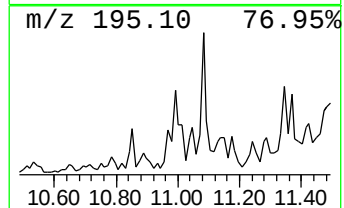
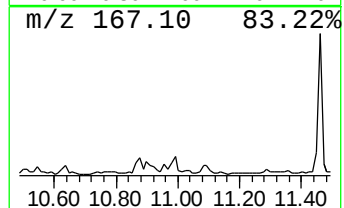
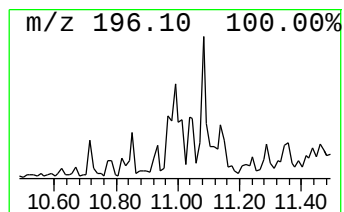
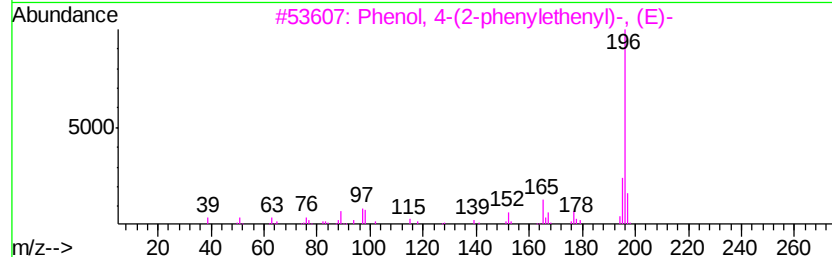
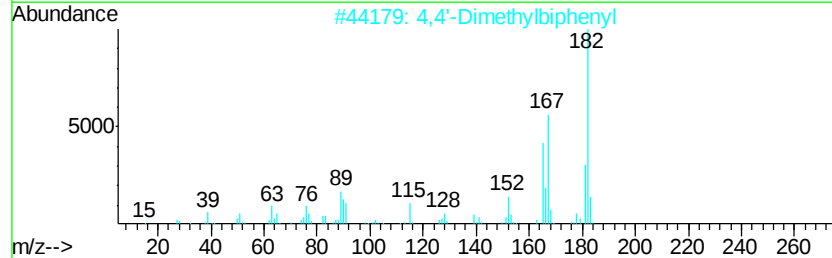
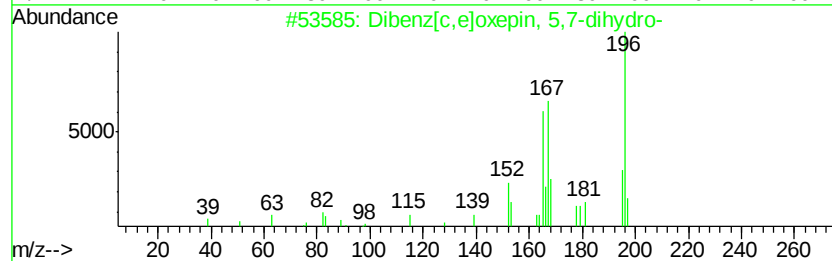
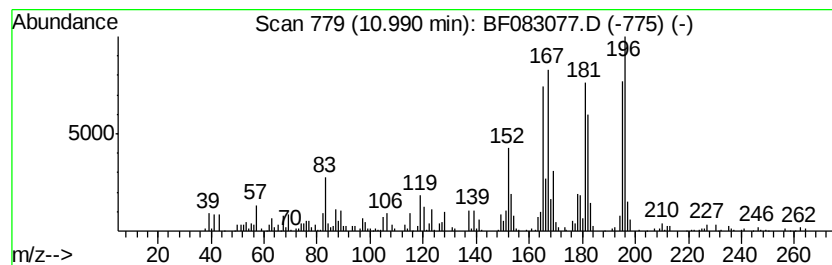
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.99	9.73 ng	794980	Phenanthrene-d10		11.23	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	78
2		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	60
3		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50
4		Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
5		8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	47



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
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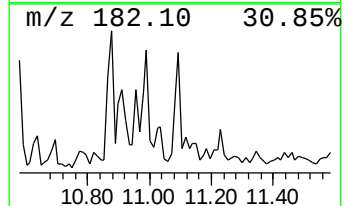
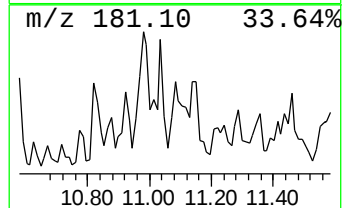
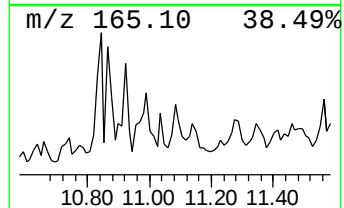
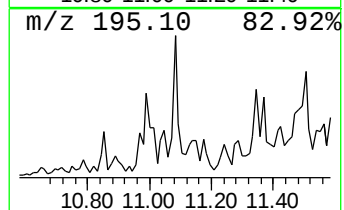
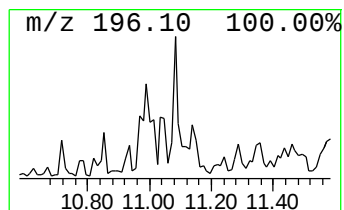
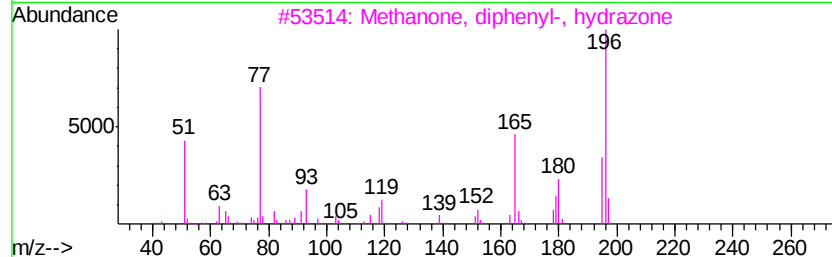
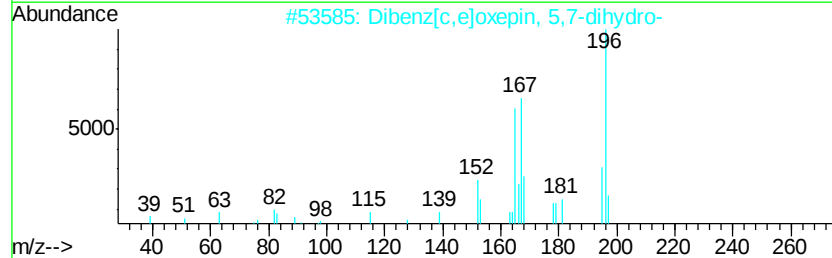
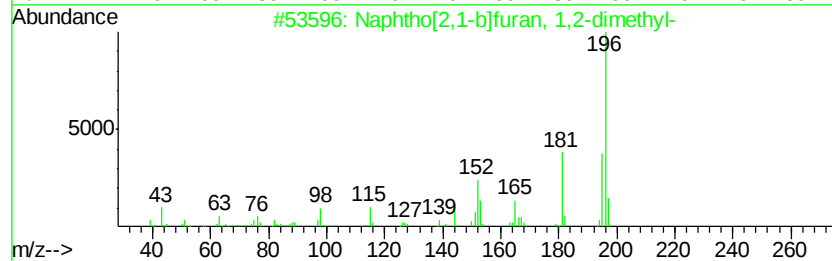
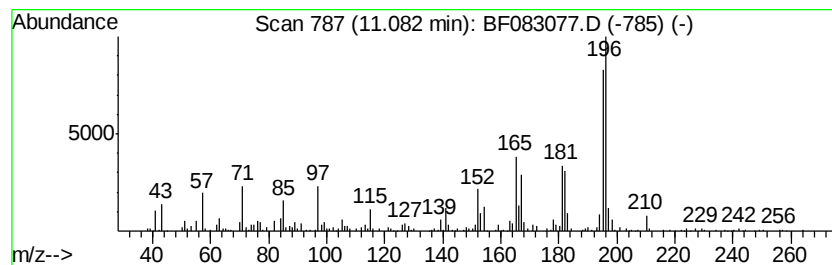
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown11.08 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.08	6.81 ng	556508	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	45
2	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	41
3	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	38
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	38
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	27



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083077.D
Acq On : 20 Nov 2015 12:57
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Misc :
ALS Vial : 4 Sample Multiplier: 1

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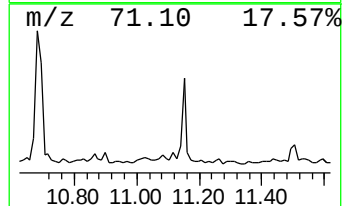
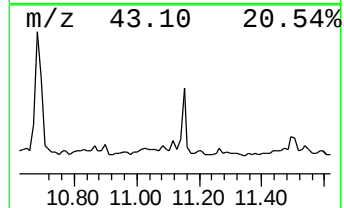
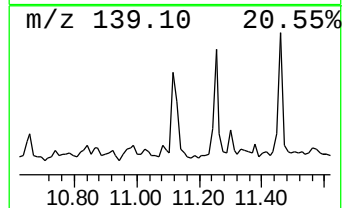
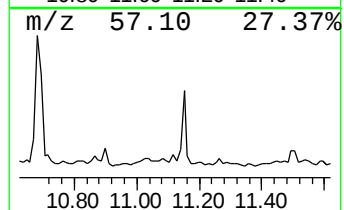
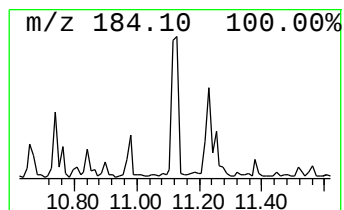
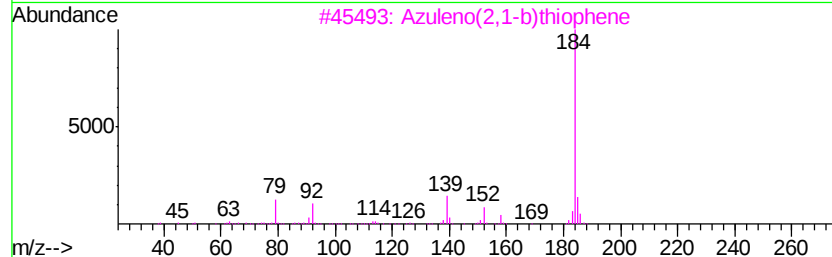
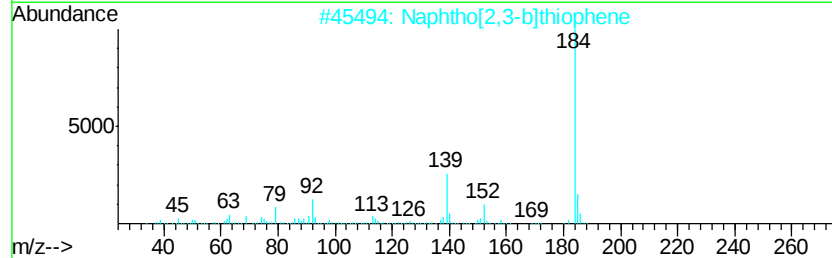
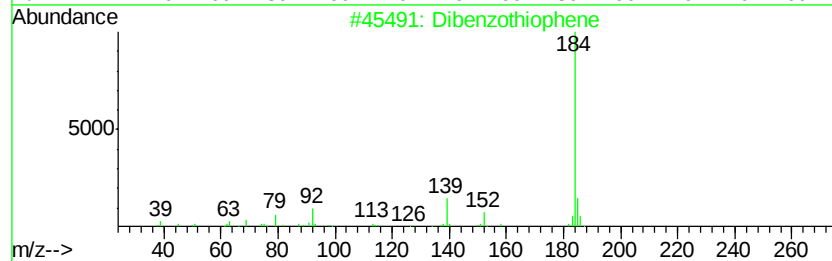
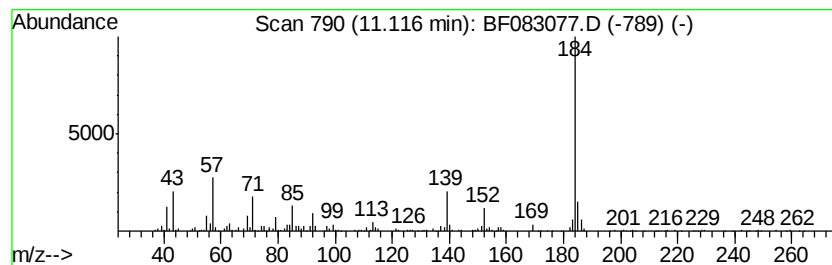
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	8.81 ng	719859	Phenanthrene-d10	11.23

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4		Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	59
5		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	53



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083077.D
Acq On : 20 Nov 2015 12:57
Operator : UM/IZ
Sample : G4452-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

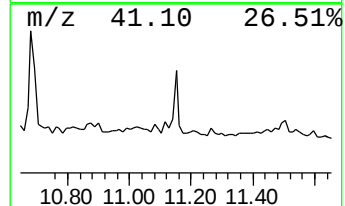
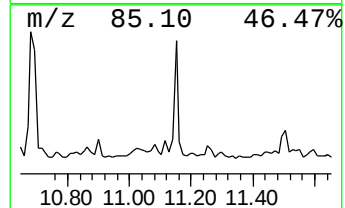
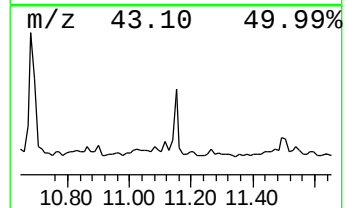
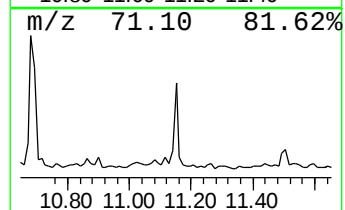
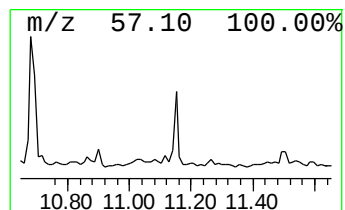
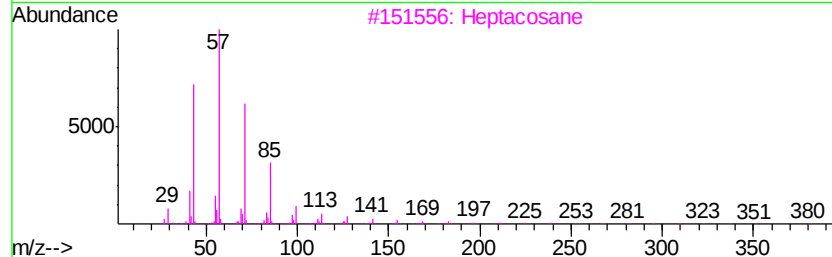
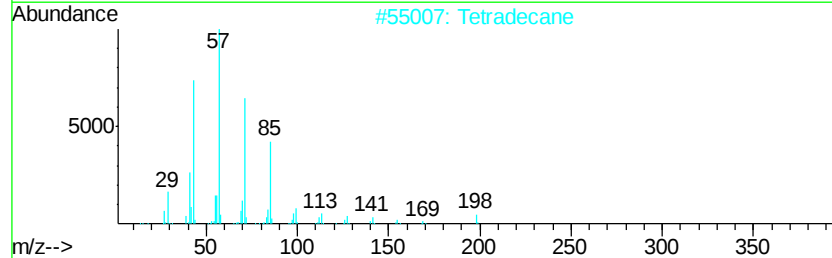
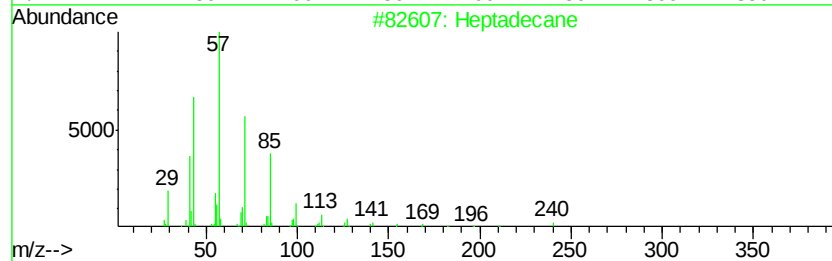
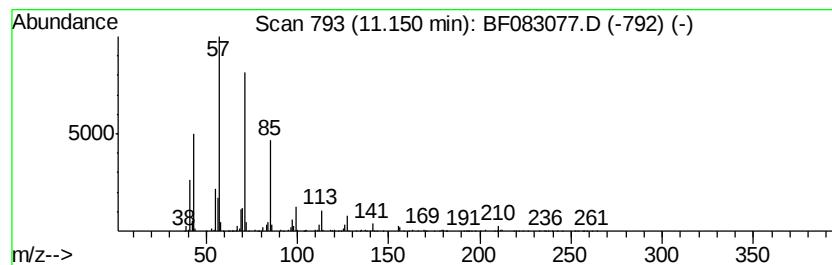
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.15	10.31 ng	842525	Phenanthrene-d10		11.23
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Tetradecane	198	C14H30	000629-59-4	83
3	Heptacosane	380	C27H56	000593-49-7	80
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	78
5	Tetracosane	338	C24H50	000646-31-1	78



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
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Misc :
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ClientSampleId :
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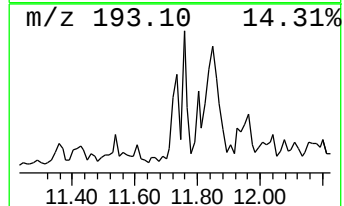
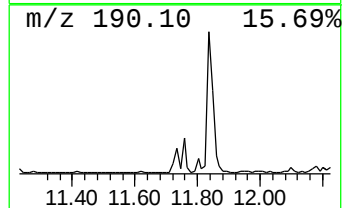
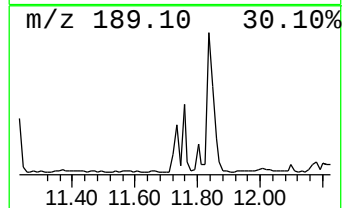
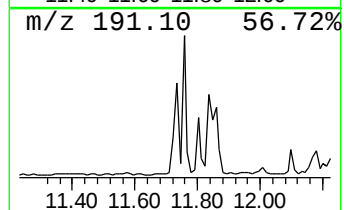
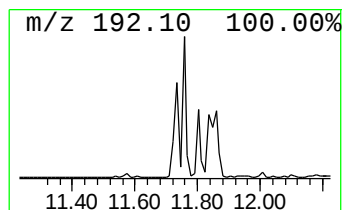
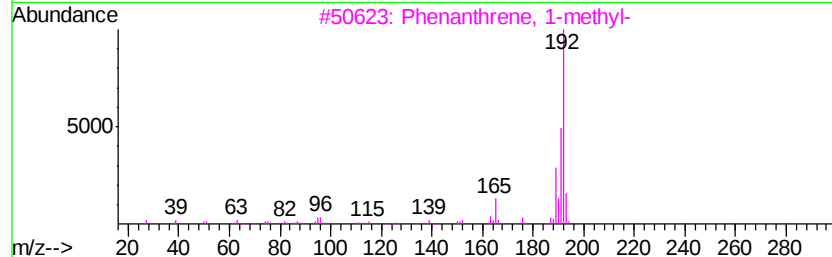
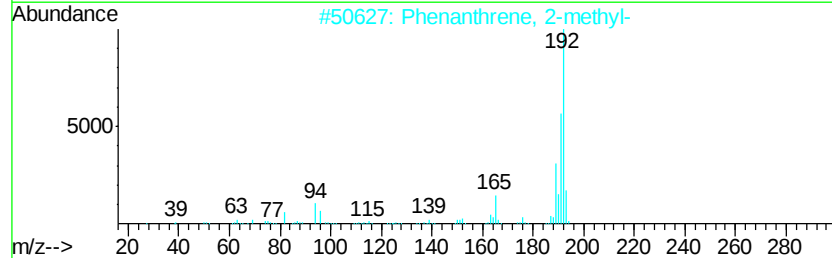
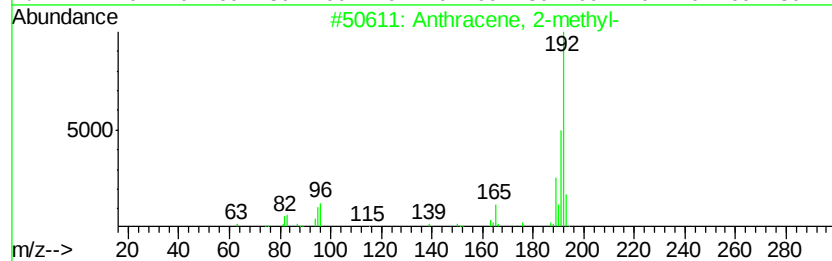
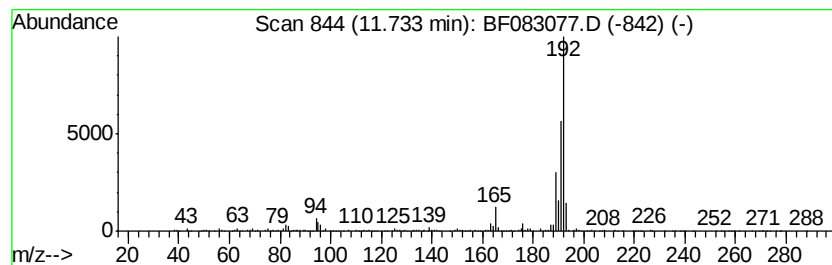
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	8.21 ng	670813	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083077.D
Acq On : 20 Nov 2015 12:57
Operator : UM/IZ
Sample : G4452-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

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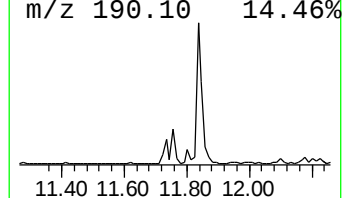
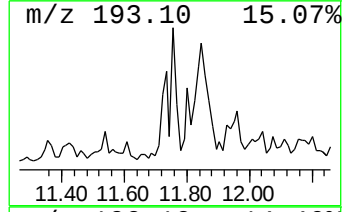
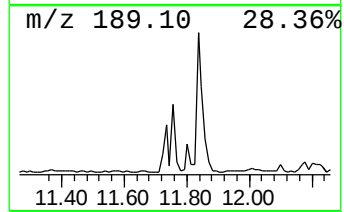
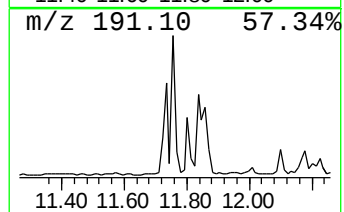
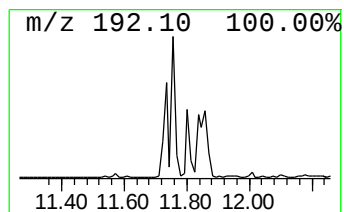
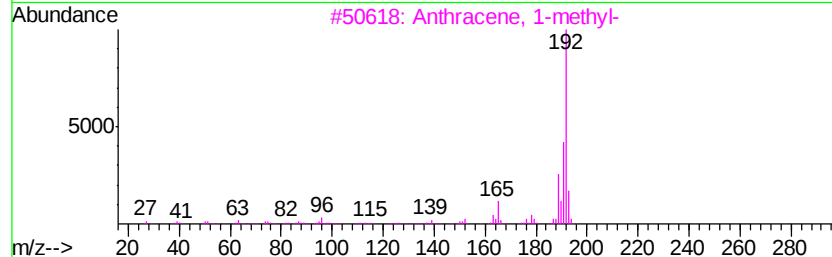
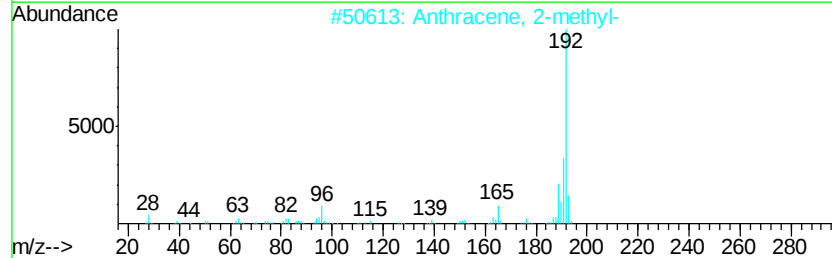
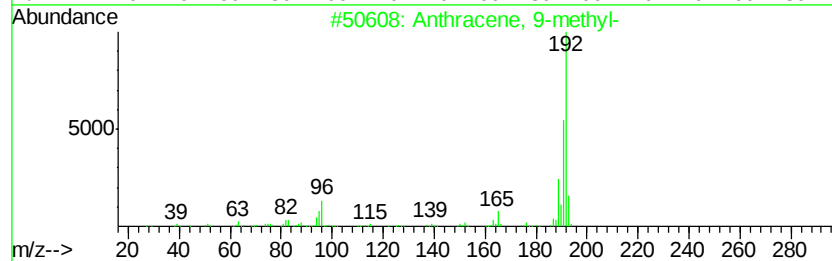
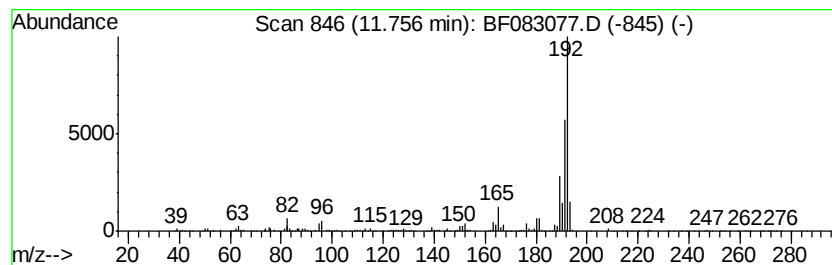
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	10.28 ng	840225	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
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Sample : G4452-01
Misc :
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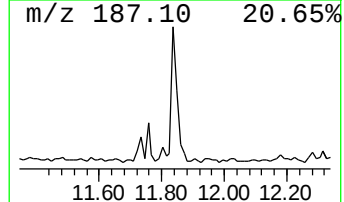
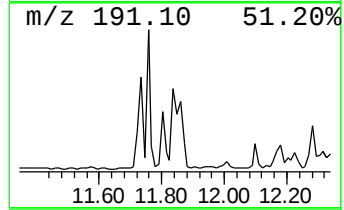
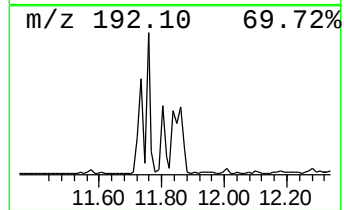
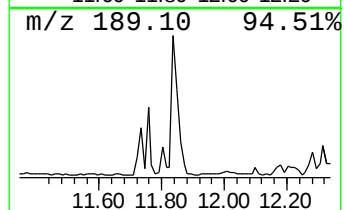
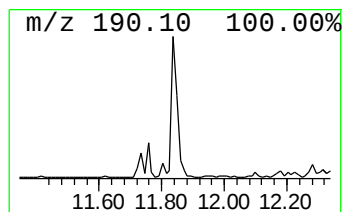
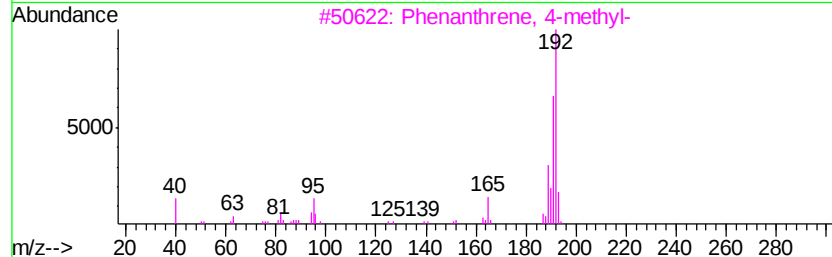
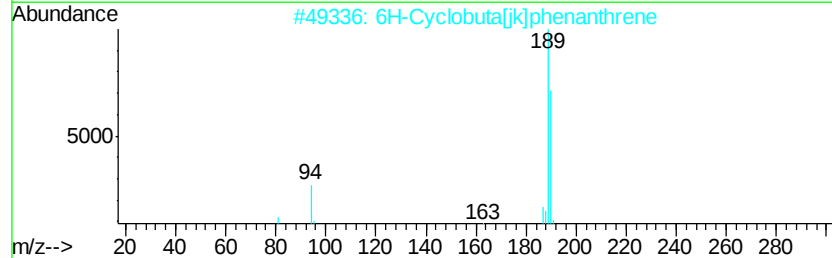
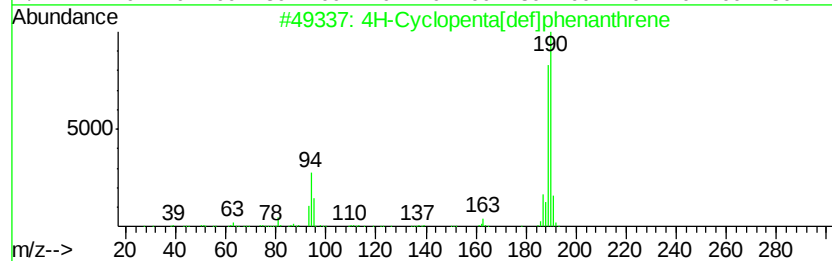
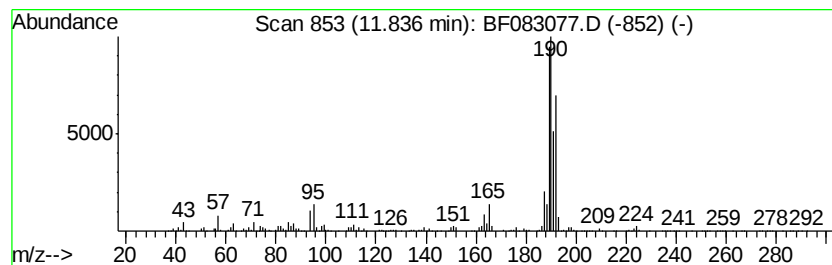
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.84	20.93 ng	1710320	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	52
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083077.D
Acq On : 20 Nov 2015 12:57
Operator : UM/IZ
Sample : G4452-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RW-20151116-01

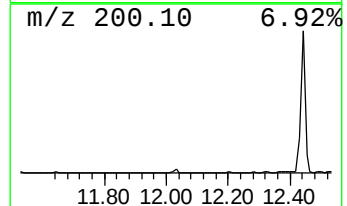
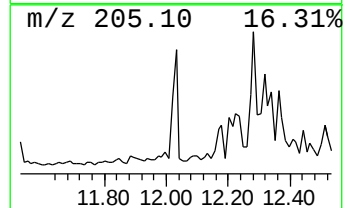
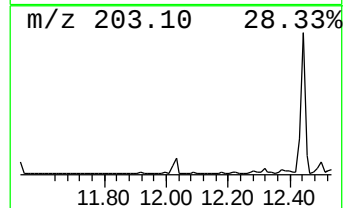
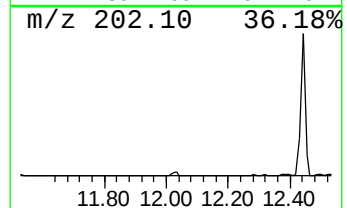
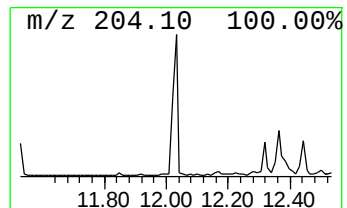
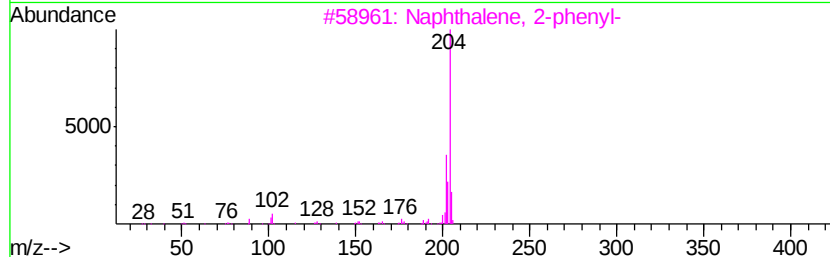
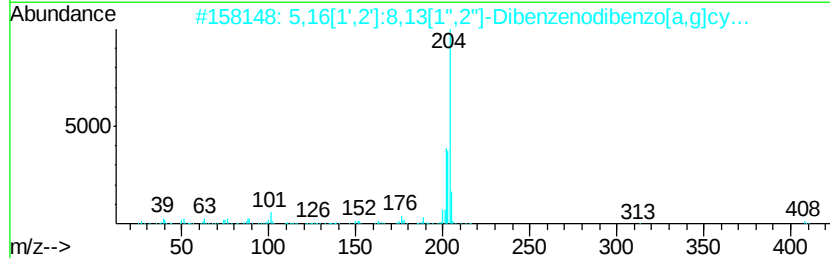
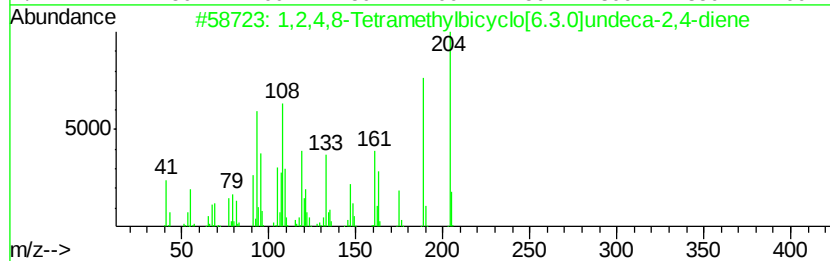
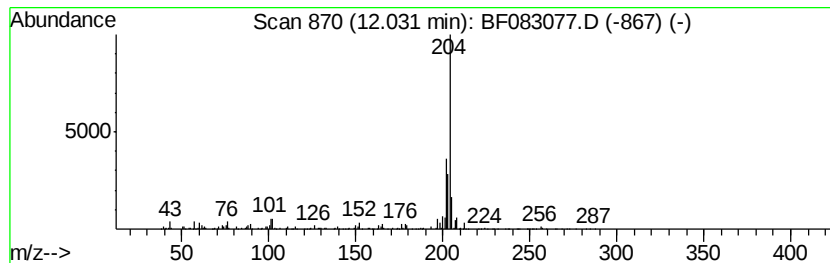
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	8.66 ng	707773	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	86
2			5,16[1',2']-8,13[1'',2'']-Dibenz[1,2,4,8]tetramethylbicyclo[6.3.0]undeca-2,4-diene	408	C32H24	005672-97-9	80
3			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4			Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	68
5			2-Phenyl-naphthalene	204	C16H12	035465-71-5	58



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
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Acq On : 20 Nov 2015 12:57
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Misc :
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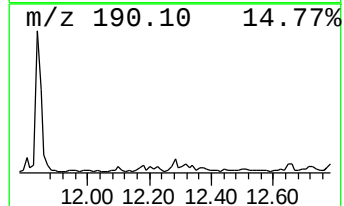
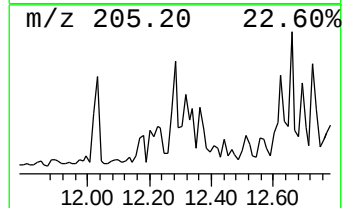
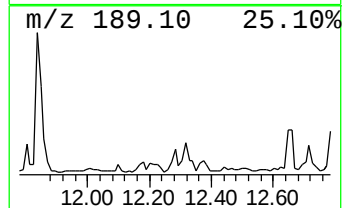
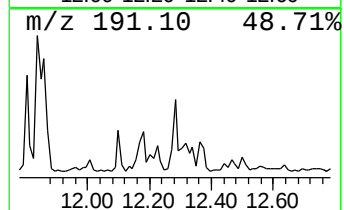
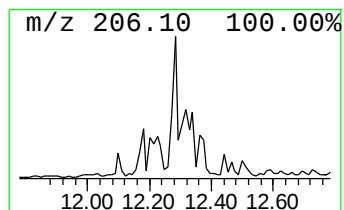
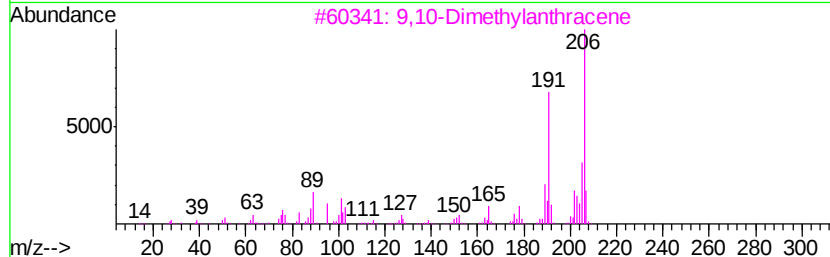
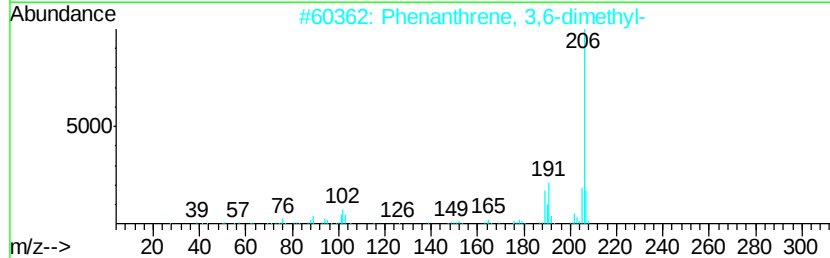
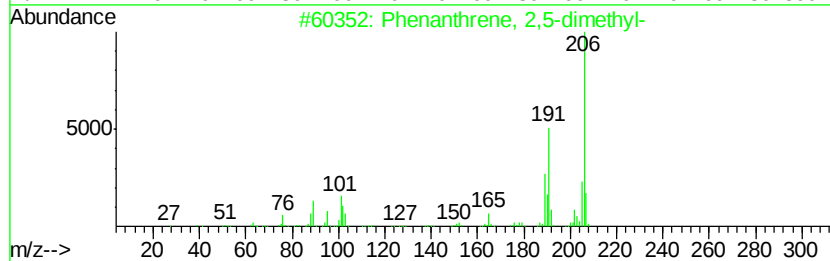
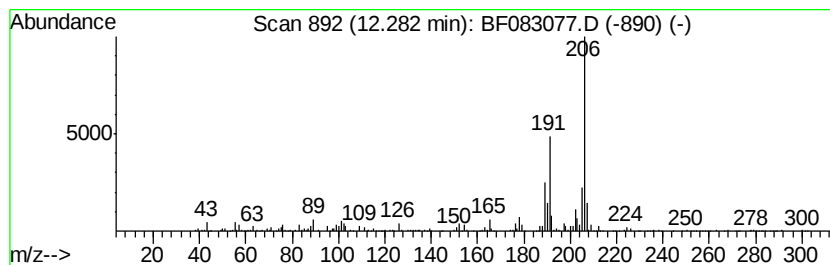
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	6.27 ng	512727	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	74



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083077.D
Acq On : 20 Nov 2015 12:57
Operator : UM/IZ
Sample : G4452-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW-20151116-01

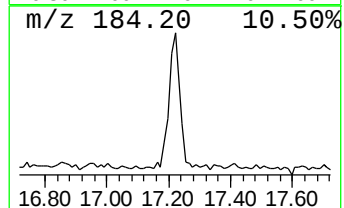
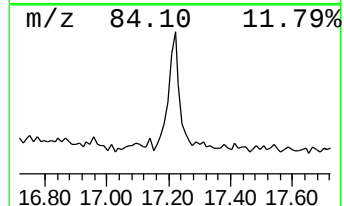
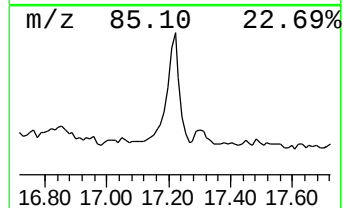
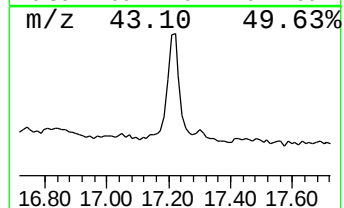
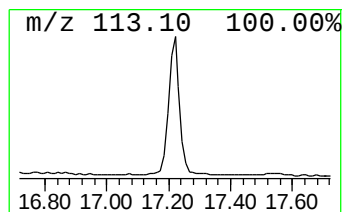
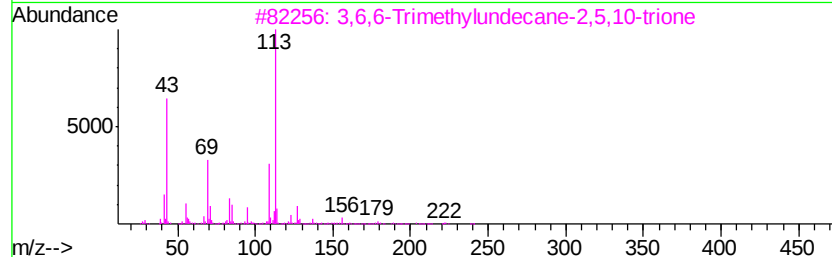
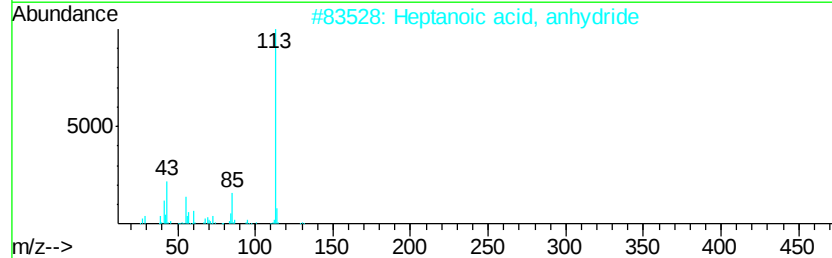
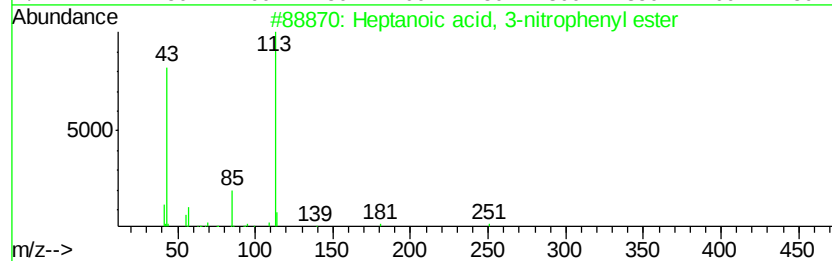
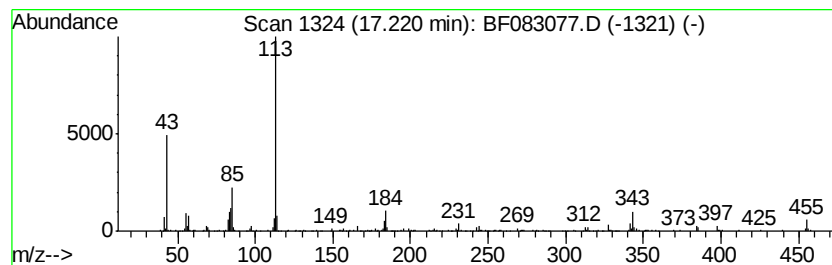
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heptanoic acid, 3-nitrophen... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	16.24 ng	747991	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptanoic acid, 3-nitrophenyl ester	251	C13H17N04	056052-18-7	53
2		Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	53
3		3,6,6-Trimethylundecane-2,5,10-tri...	240	C14H24O3	1000190-97-6	49
4		./+/--.beta..beta.-Dimethyl-.ga...	144	C7H12O3	052398-48-8	42
5		Pyrrolidine, 1-(1-oxo-5,8-tetrad...	277	C18H31NO	056666-40-1	42



Data Path : V:\HPCHEM1\BNA_F\DATA\BF112015\
 Data File : BF083077.D
 Acq On : 20 Nov 2015 12:57
 Operator : UM/IZ
 Sample : G4452-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-20151116-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.83	22.5	ng	1065080	1	6.70	947666	20.0
unknown6.48	6.48	51.4	ng	2437250	1	6.70	947666	20.0
Octane, 2,6-dimet...	8.44	19.1	ng	1523950	2	8.00	1594810	20.0
Decahydro-4,4,8,9...	9.62	8.5	ng	830782	3	9.74	1964910	20.0
unknown9.66	9.66	10.7	ng	1049210	3	9.74	1964910	20.0
Dodecane, 3-methyl-	10.42	12.5	ng	1224400	3	9.74	1964910	20.0
Dodecane, 2,7,10-...	10.68	27.2	ng	2220060	4	11.23	1634510	20.0
Dibenz[c,e]oxepin...	10.99	9.7	ng	794980	4	11.23	1634510	20.0
unknown11.08	11.08	6.8	ng	556508	4	11.23	1634510	20.0
Dibenzothiophene	11.12	8.8	ng	719859	4	11.23	1634510	20.0
Heptadecane	11.15	10.3	ng	842525	4	11.23	1634510	20.0
Anthracene, 2-met...	11.73	8.2	ng	670813	4	11.23	1634510	20.0
Anthracene, 9-met...	11.76	10.3	ng	840225	4	11.23	1634510	20.0
4H-Cyclopenta[def...	11.84	20.9	ng	1710320	4	11.23	1634510	20.0
1,2,4,8-Tetrameth...	12.03	8.7	ng	707773	4	11.23	1634510	20.0
Phenanthrene, 2,5...	12.28	6.3	ng	512727	4	11.23	1634510	20.0
Heptanoic acid, 3...	17.22	16.2	ng	747991	6	15.27	920914	20.0