

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
 Data File : BF093009.D
 Acq On : 17 Feb 2017 14:41
 Operator : SJ/MA
 Sample : I1884-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-002

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-BF013017.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	5.013	254	256	267	rVB	416521	688170	12.56%	1.304%
2	5.299	279	281	283	rBV	61242	73222	1.34%	0.139%
3	5.447	291	294	297	rVB	2486222	2319298	42.33%	4.395%
4	5.676	312	314	316	rBV	93673	92234	1.68%	0.175%
5	6.487	383	385	388	rBV	1758278	1644037	30.01%	3.115%
6	6.533	388	389	391	rVB	124112	101337	1.85%	0.192%
7	6.624	394	397	399	rBV	4048250	4007932	73.16%	7.594%
8	6.681	399	402	405	rVB	98145	146126	2.67%	0.277%
9	6.853	415	417	419	rBV	1210632	1083863	19.78%	2.054%
10	6.910	419	422	428	rVB2	92193	119691	2.18%	0.227%
11	7.013	428	431	432	rBV	3938625	3826414	69.84%	7.250%
12	7.104	437	439	442	rBV2	142294	184649	3.37%	0.350%
13	7.196	444	447	450	rBV3	90121	167216	3.05%	0.317%
14	7.253	450	452	456	rBV4	51974	99751	1.82%	0.189%
15	7.367	459	462	464	rBV2	113157	185178	3.38%	0.351%
16	7.424	464	467	469	rVV	3051190	3268947	59.67%	6.194%
17	7.504	472	474	476	rBV	142810	148565	2.71%	0.282%
18	7.550	476	478	482	rVB4	59313	108986	1.99%	0.207%
19	7.630	482	485	486	rBV2	158293	166107	3.03%	0.315%
20	7.653	486	487	490	rVB3	43776	56857	1.04%	0.108%
21	7.710	490	492	494	rBV2	53053	92539	1.69%	0.175%
22	7.813	497	501	504	rVB3	134380	214428	3.91%	0.406%
23	7.882	504	507	509	rBV2	250687	387993	7.08%	0.735%
24	7.927	509	511	514	rVB2	101249	189447	3.46%	0.359%
25	7.973	514	515	517	rVB2	53960	55252	1.01%	0.105%
26	8.053	517	522	527	rBV6	76697	239250	4.37%	0.453%
27	8.145	527	530	533	rBV	1276727	1864785	34.04%	3.533%
28	8.213	535	536	539	rVB2	45355	55966	1.02%	0.106%
29	8.259	539	540	542	rVB2	57067	56391	1.03%	0.107%
30	8.339	546	547	550	rVB3	44354	58776	1.07%	0.111%
31	8.385	550	551	557	rVB5	90008	159220	2.91%	0.302%
32	8.499	559	561	562	rBV	92357	97169	1.77%	0.184%
33	8.522	562	563	567	rVB4	80051	89954	1.64%	0.170%
34	8.613	567	571	573	rBV5	116353	288822	5.27%	0.547%

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35	8.773	583	585	586	rBV2	92543	126891	2.32%	0.240%
36	8.807	586	588	591	rVV3	103361	205307	3.75%	0.389%
37	8.853	591	592	596	rVV4	88348	154957	2.83%	0.294%
38	8.945	596	600	603	rVV	715007	1121125	20.46%	2.124%
39	8.990	603	604	606	rVB2	61120	62138	1.13%	0.118%
40	9.082	606	612	614	rBV6	93037	228223	4.17%	0.432%
41	9.173	618	620	621	rVV2	100212	104345	1.90%	0.198%
42	9.219	621	624	626	rVV	5042339	5478469	100.00%	10.381%
43	9.265	626	628	629	rVB	74599	98606	1.80%	0.187%
44	9.310	629	632	635	rBV4	71117	125096	2.28%	0.237%
45	9.413	637	641	644	rVB3	191414	454221	8.29%	0.861%
46	9.482	644	647	648	rBV2	133292	206271	3.77%	0.391%
47	9.505	648	649	651	rBV2	107750	136282	2.49%	0.258%
48	9.550	651	653	655	rVV2	270393	315267	5.75%	0.597%
49	9.608	657	658	661	rVB	130167	104957	1.92%	0.199%
50	9.665	661	663	666	rBV	294436	460836	8.41%	0.873%
51	9.722	666	668	669	rVV2	106481	106126	1.94%	0.201%
52	9.745	669	670	672	rVB	237832	261212	4.77%	0.495%
53	9.813	674	676	679	rBV3	92747	198678	3.63%	0.376%
54	9.893	680	683	684	rVV	1634643	1663715	30.37%	3.152%
55	9.928	684	686	688	rVV	2643177	2659572	48.55%	5.039%
56	9.985	690	691	694	rVB2	137939	130947	2.39%	0.248%
57	10.042	694	696	699	rVB2	69203	100907	1.84%	0.191%
58	10.099	699	701	702	rBV	77298	146730	2.68%	0.278%
59	10.156	704	706	709	rVV2	114803	180326	3.29%	0.342%
60	10.202	709	710	712	rVV2	100641	146226	2.67%	0.277%
61	10.236	712	713	715	rVB2	197549	197516	3.61%	0.374%
62	10.293	715	718	719	rBV2	80709	132669	2.42%	0.251%
63	10.385	724	726	727	rVV	56723	86390	1.58%	0.164%
64	10.430	729	730	733	rVB	164379	212938	3.89%	0.403%
65	10.499	733	736	739	rBV2	198954	372774	6.80%	0.706%
66	10.568	739	742	743	rVV2	118879	200870	3.67%	0.381%
67	10.625	746	747	749	rVB2	102404	105258	1.92%	0.199%
68	10.682	749	752	755	rBV	2579342	2909044	53.10%	5.512%
69	10.808	760	763	765	rVV2	332310	387225	7.07%	0.734%
70	10.979	775	778	780	rBV2	76065	134073	2.45%	0.254%
71	11.013	780	781	783	rVV2	66811	65821	1.20%	0.125%

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72	11.173	793	795	797	rVB3	52883	72925	1.33%	0.138%
73	11.242	797	801	802	rBV2	114851	192297	3.51%	0.364%
74	11.379	810	813	815	rBV	1116225	1549159	28.28%	2.935%
75	11.448	817	819	821	rVB	90639	85227	1.56%	0.161%
76	11.665	836	838	840	rBV	82253	77990	1.42%	0.148%
77	11.905	858	859	862	rVV2	44256	68626	1.25%	0.130%
78	11.985	864	866	871	rVB3	134061	155593	2.84%	0.295%
79	12.076	871	874	876	rVB3	35485	71803	1.31%	0.136%
80	12.579	917	918	920	rVB	58705	60773	1.11%	0.115%
81	12.636	920	923	926	rBV3	28091	60707	1.11%	0.115%
82	12.808	937	938	946	rVB	82152	116275	2.12%	0.220%
83	12.968	948	952	954	rBV	3902700	5100610	93.10%	9.665%
84	13.859	1028	1030	1033	rVB	98402	150687	2.75%	0.286%
85	14.008	1040	1043	1046	rBV	1598304	1515273	27.66%	2.871%
86	15.437	1165	1168	1171	rBV	1003358	1317487	24.05%	2.496%
87	16.351	1245	1248	1252	rVB	28674	58799	1.07%	0.111%

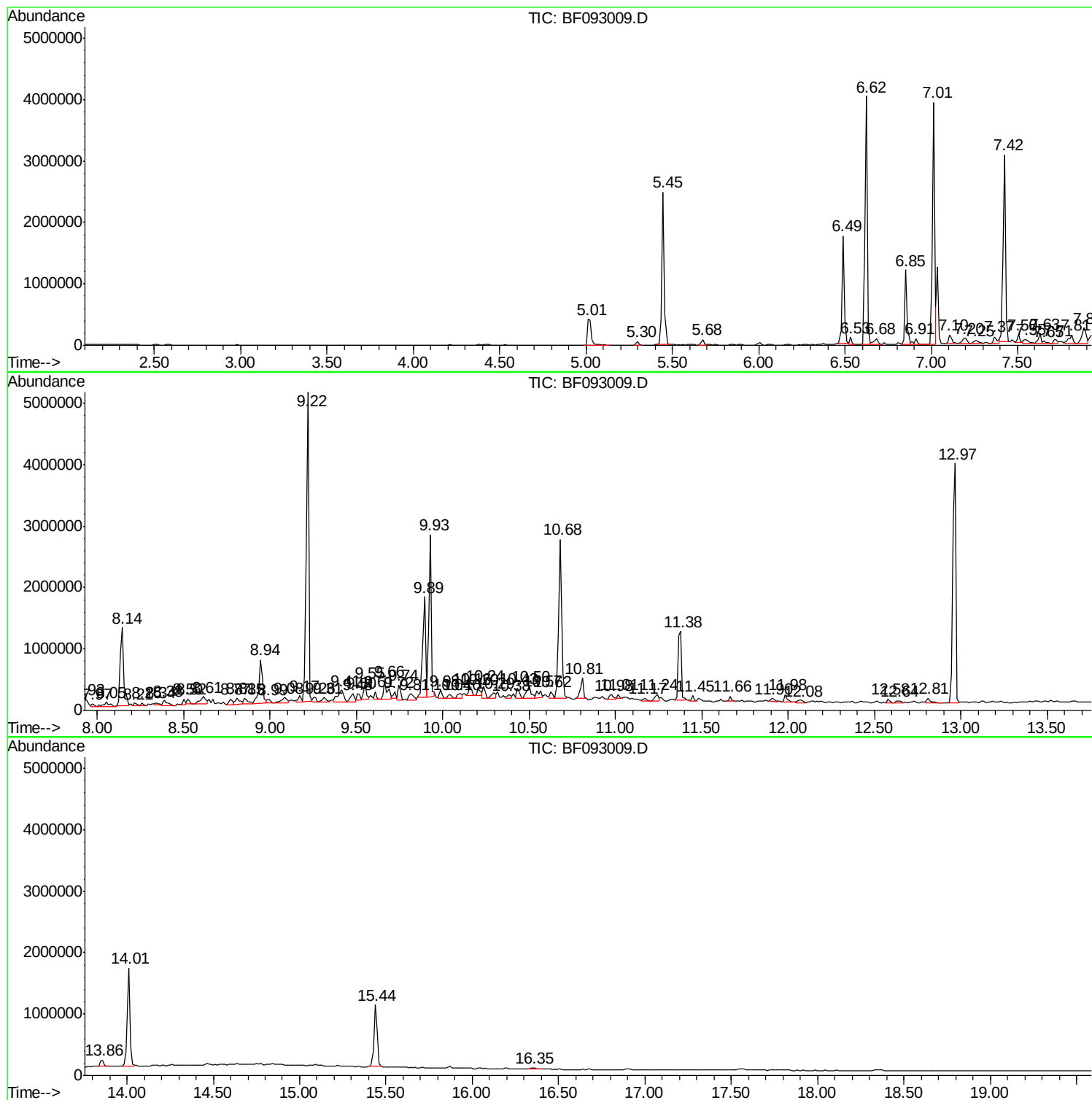
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BNA_F
ClientSampled :
MANHOLE-002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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Instrument :
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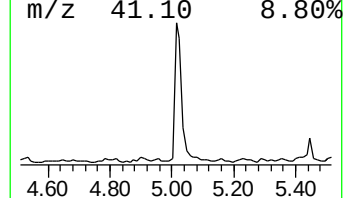
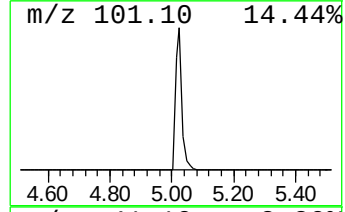
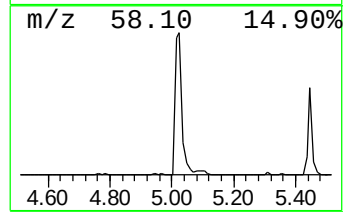
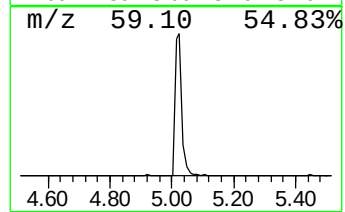
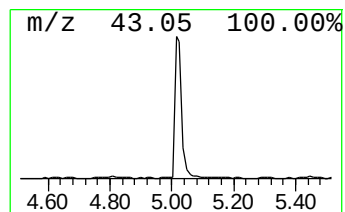
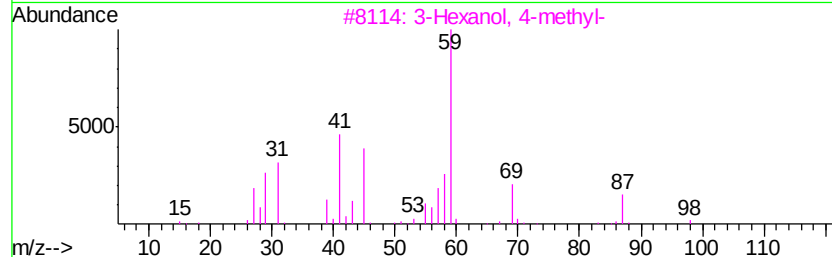
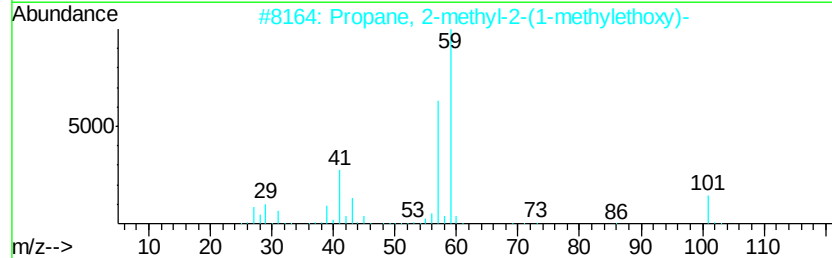
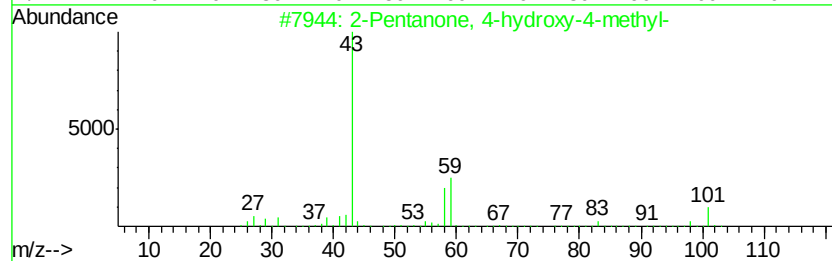
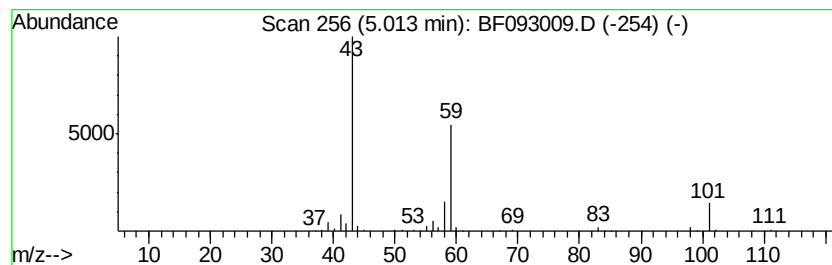
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	12.70 ng	688170	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		3-Hexanol	102	C6H14O	000623-37-0	33
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32



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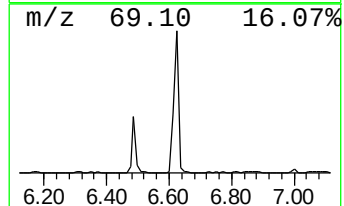
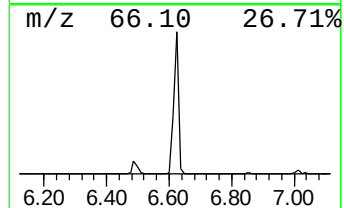
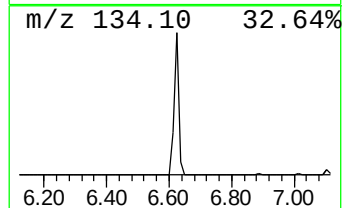
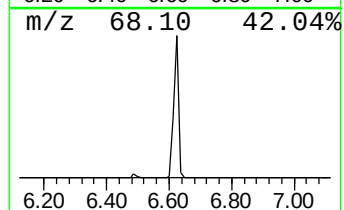
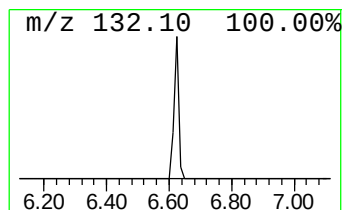
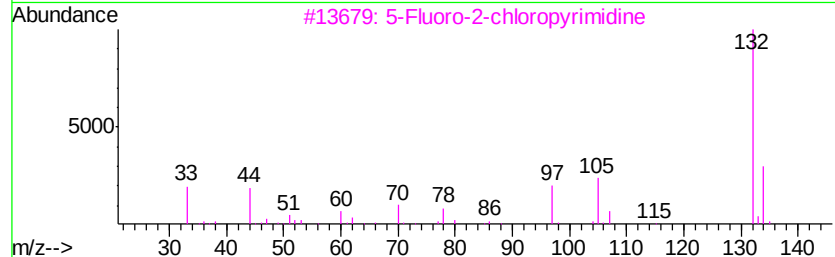
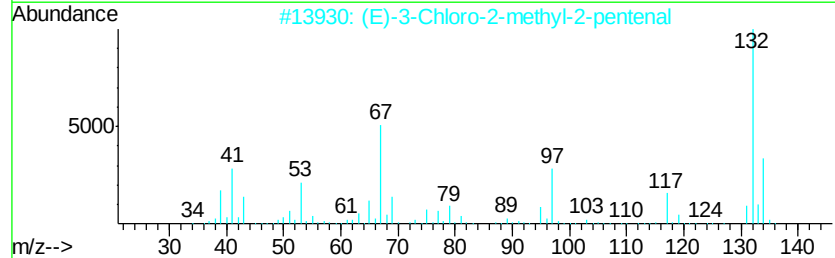
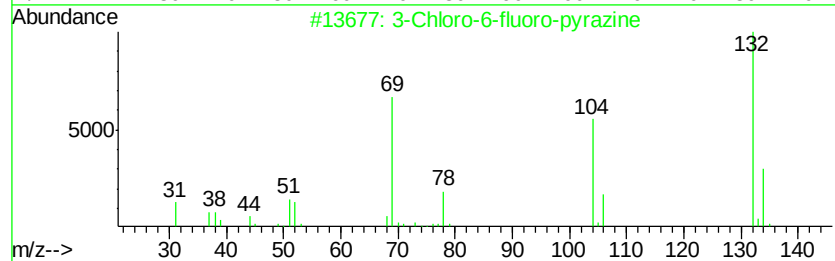
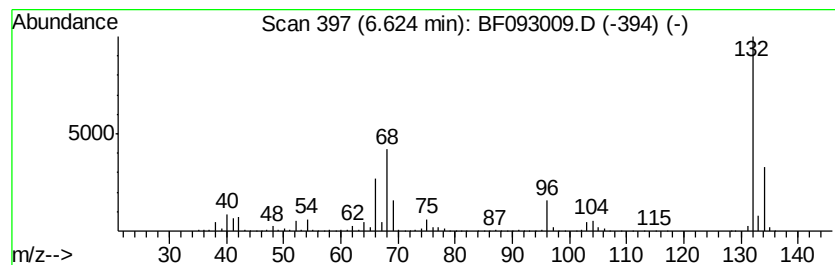
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	73.96 ng	4007930	1,4-Dichlorobenzene-d4	6.85

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	17
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10



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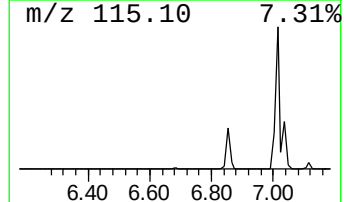
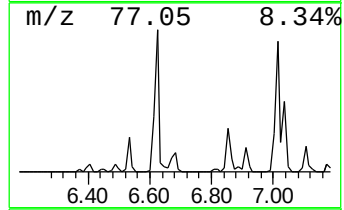
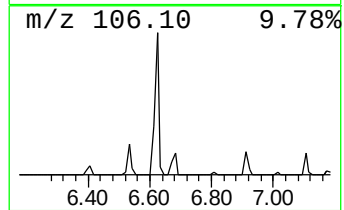
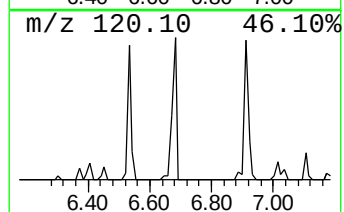
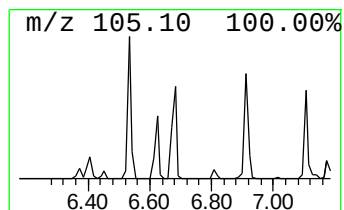
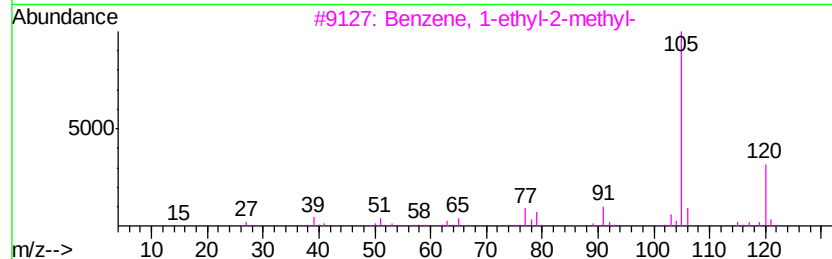
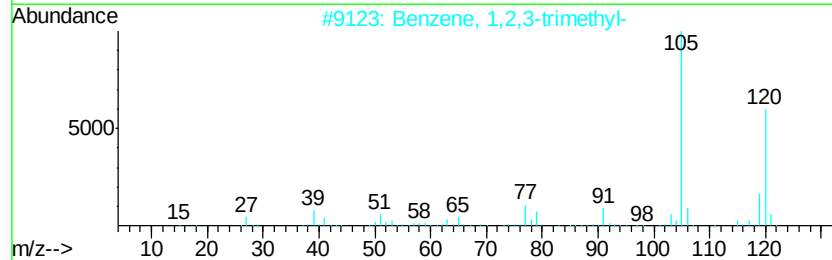
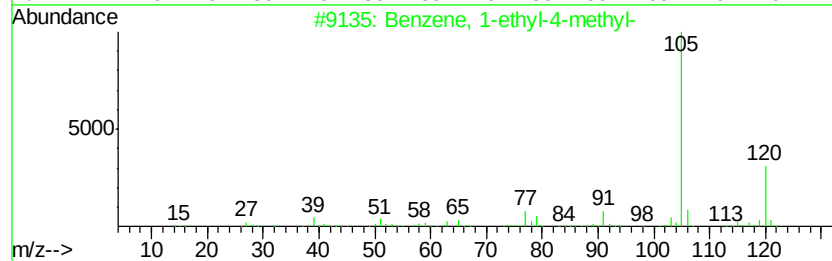
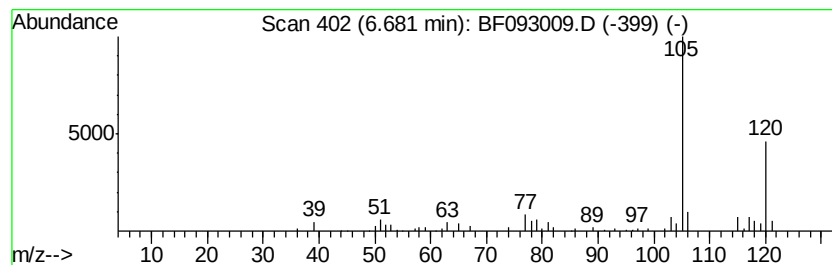
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1-ethyl-4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	2.70 ng	146126	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
4		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	87
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	86



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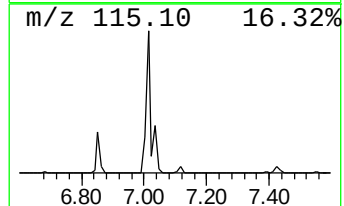
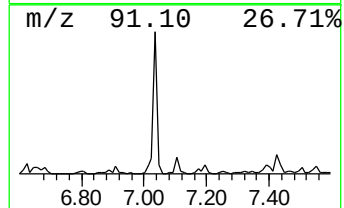
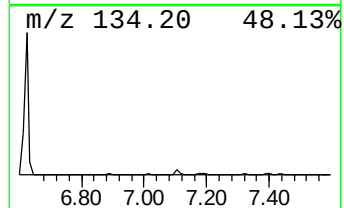
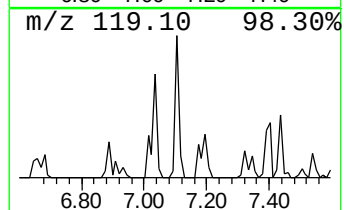
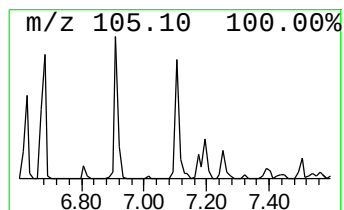
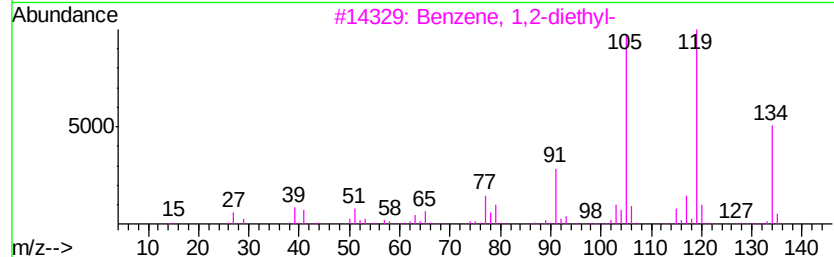
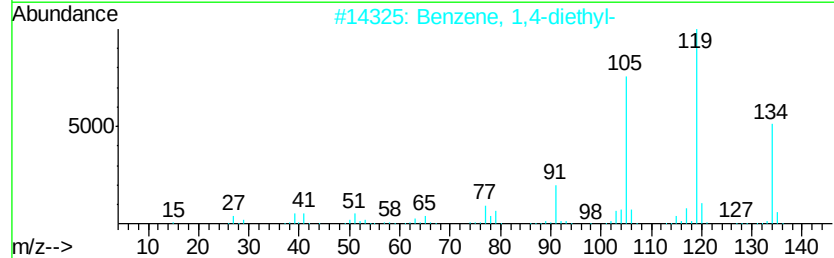
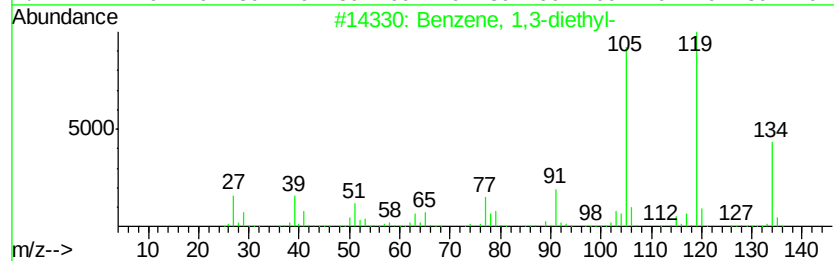
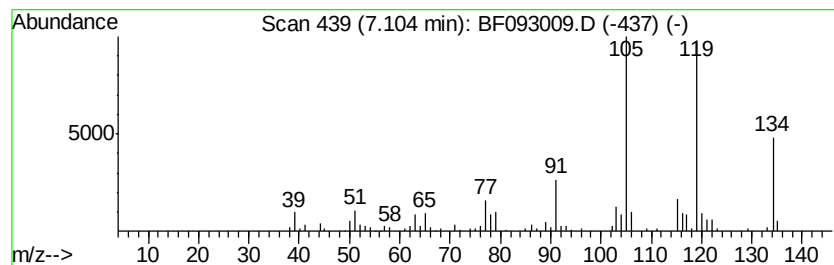
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1,3-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	3.41 ng	184649	1,4-Dichlorobenzene-d4	6.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	83
5		Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093009.D
Acq On : 17 Feb 2017 14:41
Operator : SJ/MA
Sample : I1884-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

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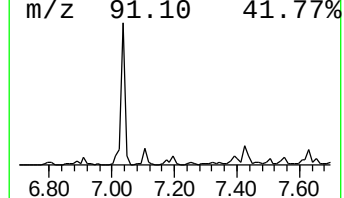
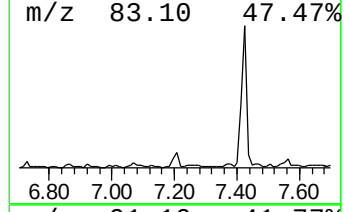
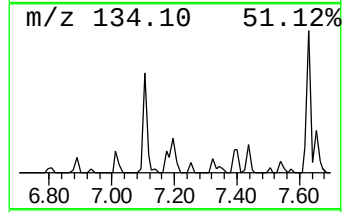
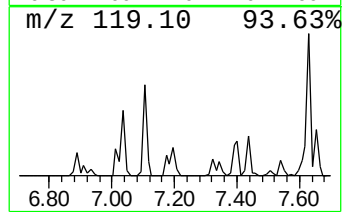
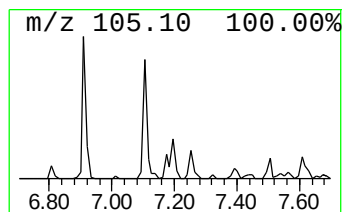
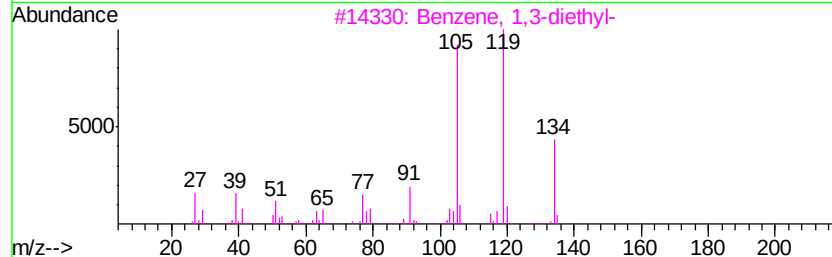
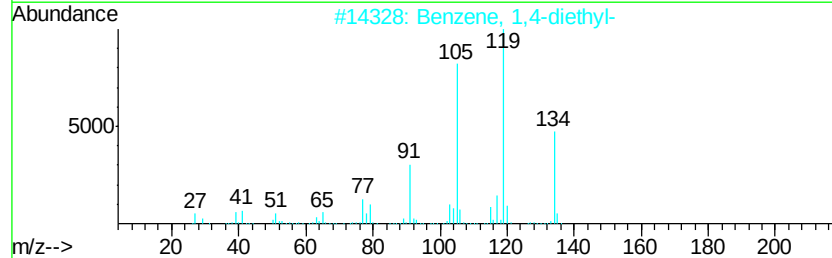
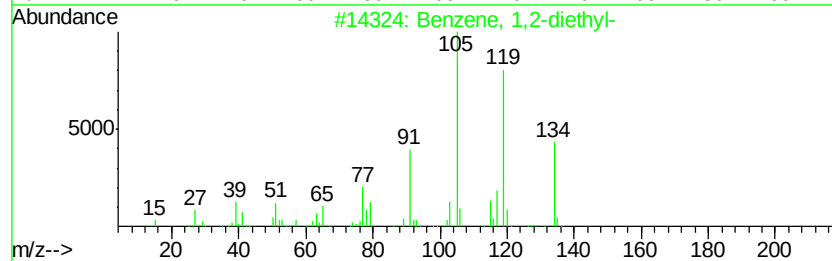
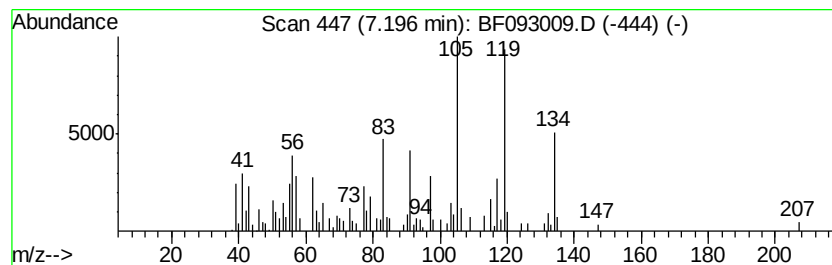
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 1,2-diethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	3.09 ng	167216	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	74
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	38
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	38
4		1-Methyl-1-silabenzocyclobutene	134	C8H10Si	160841-06-5	38
5		Benzene, tert-butyl-	134	C10H14	000098-06-6	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093009.D
Acq On : 17 Feb 2017 14:41
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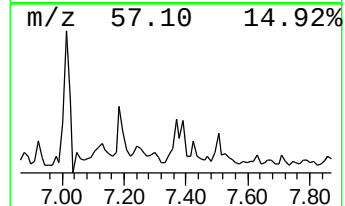
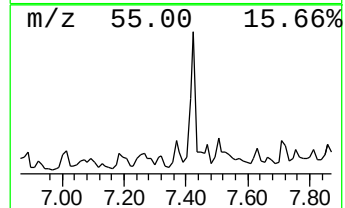
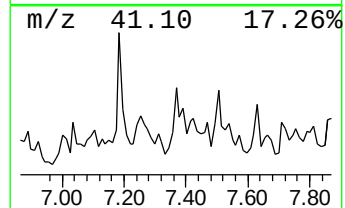
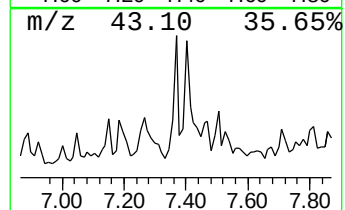
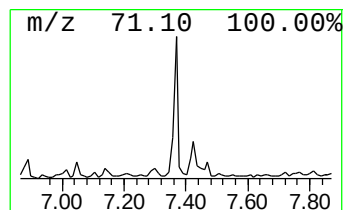
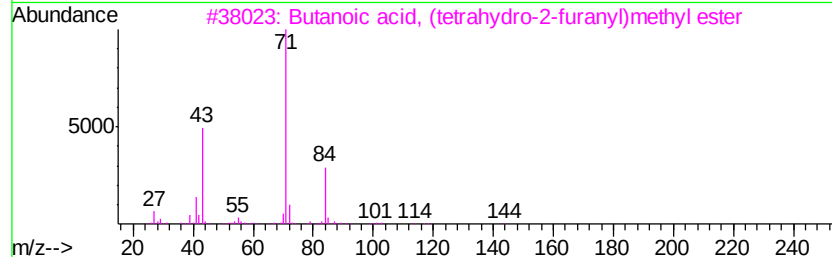
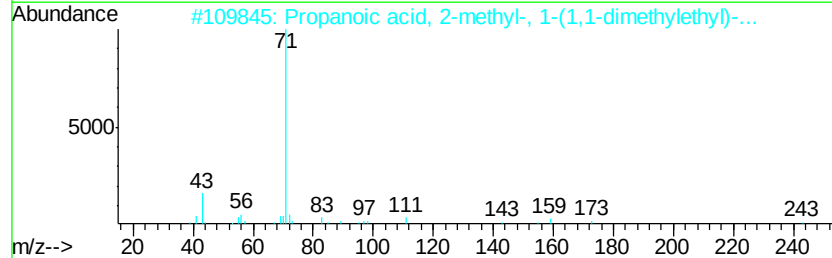
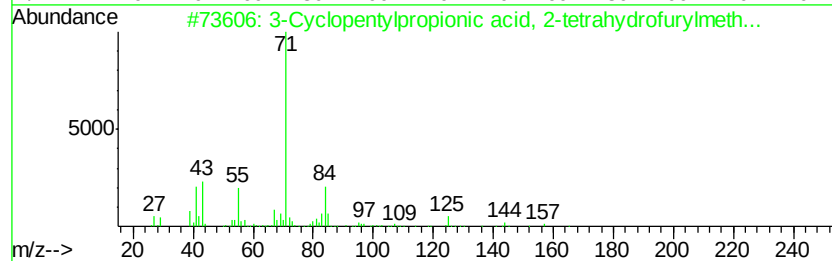
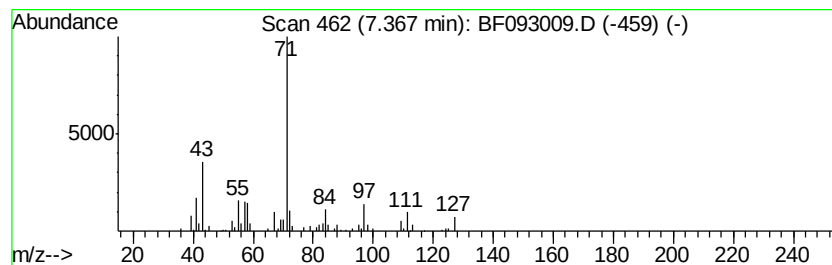
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 3-Cyclopentylpropionic acid... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	3.42 ng	185178	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Cyclopentylpropionic acid, 2-t...	226	C13H22O3	1000293-46-9	53
2		Propanoic acid, 2-methyl-, 1-(1,...	286	C16H30O4	074381-40-1	50
3		Butanoic acid, (tetrahydro-2-fur...	172	C9H16O3	002217-33-6	50
4		Butanoic acid, 1-methyloctyl ester	214	C13H26O2	069727-42-0	45
5		Bromoacetic acid, 2-tetrahydrofu...	222	C7H11BrO3	056405-23-3	40



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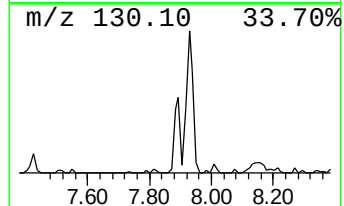
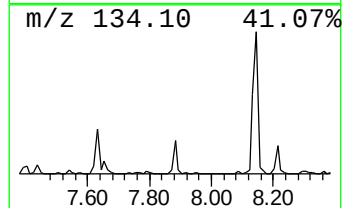
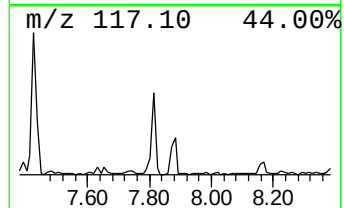
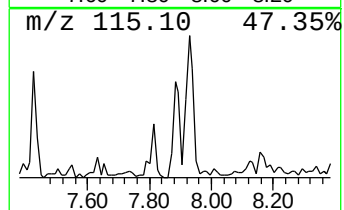
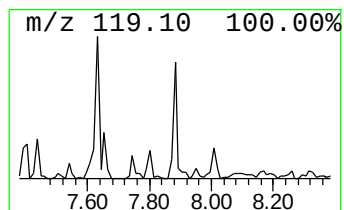
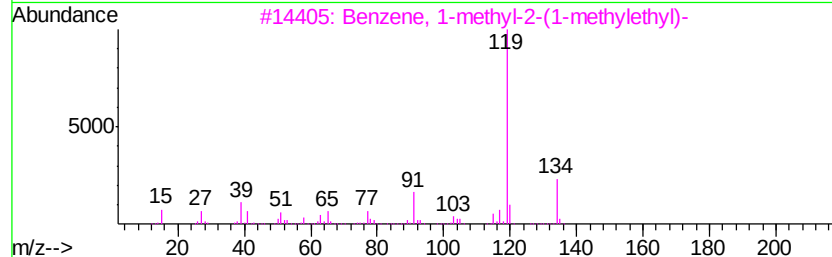
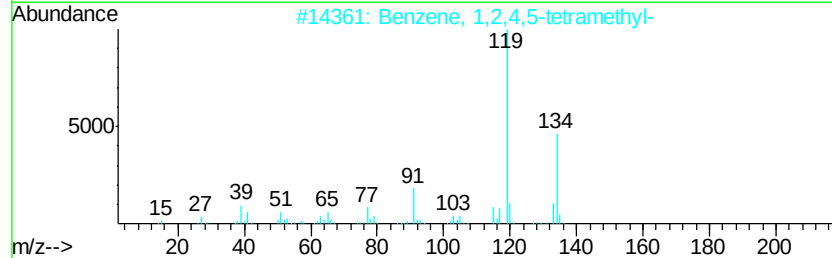
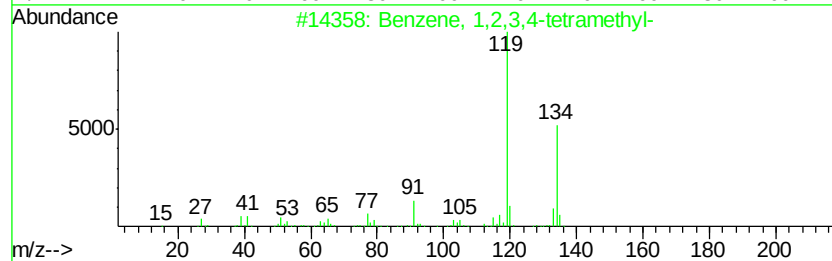
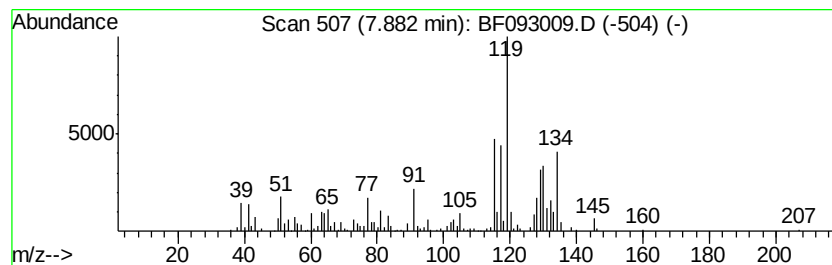
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	4.16 ng	387993	Napthalene-d8	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	50
3		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	46
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	46
5		Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
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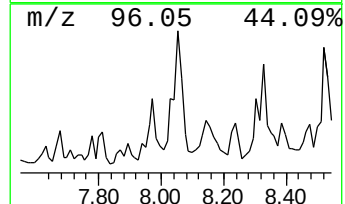
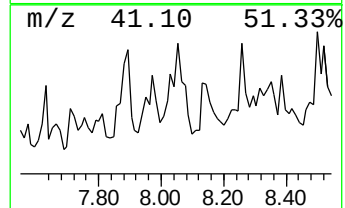
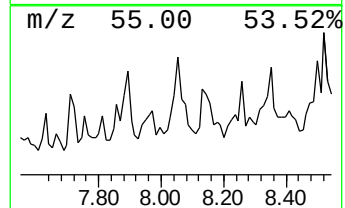
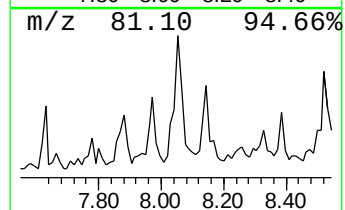
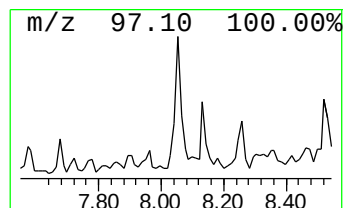
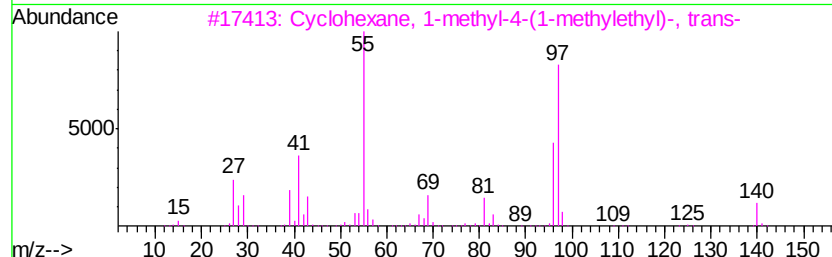
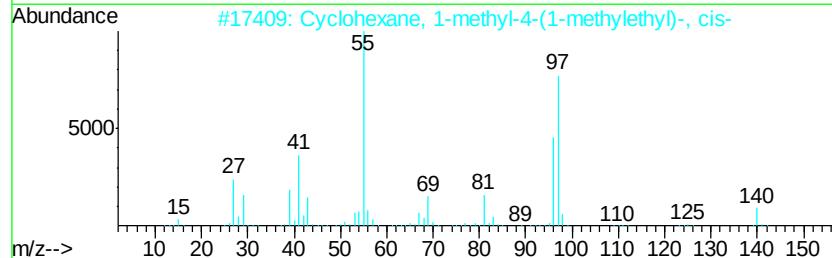
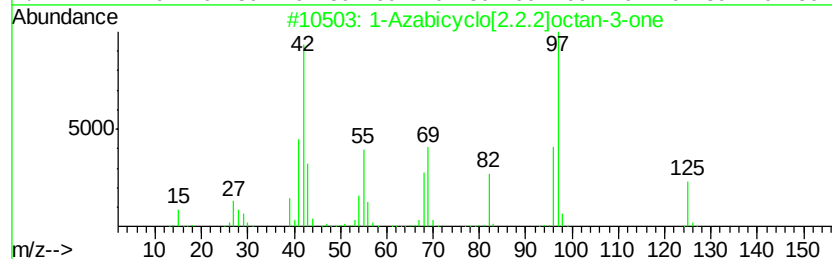
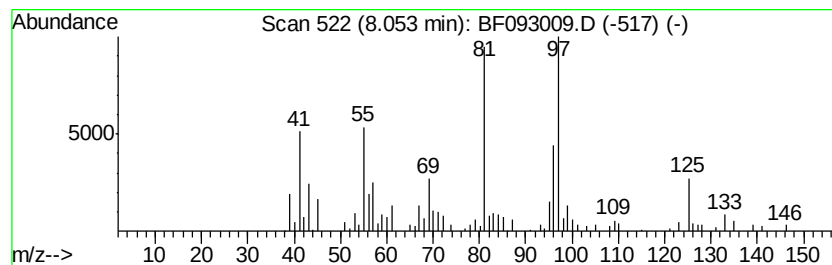
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown8.05 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	2.57 ng	239250	Naphthalene-d8	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Azabicyclo[2.2.2]octan-3-one	125	C7H11NO	003731-38-2	43
2		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38
3		Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	38
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	35
5		1-(2-Methylpropenyl)aziridine	97	C6H11N	080839-93-6	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
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Sample : I1884-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

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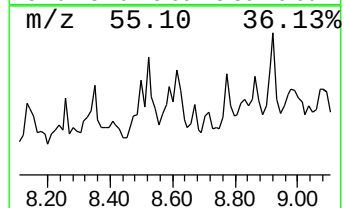
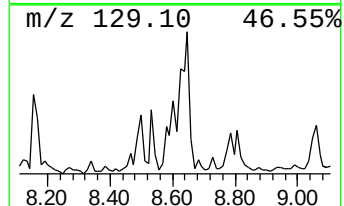
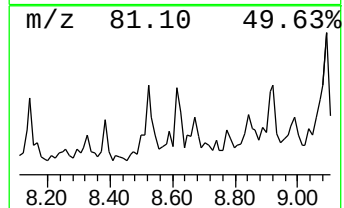
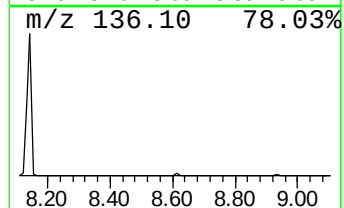
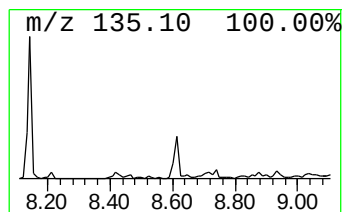
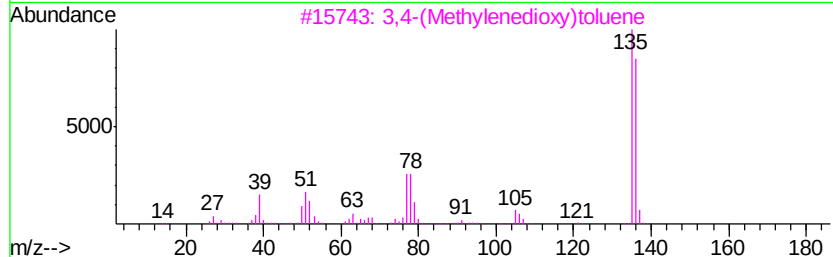
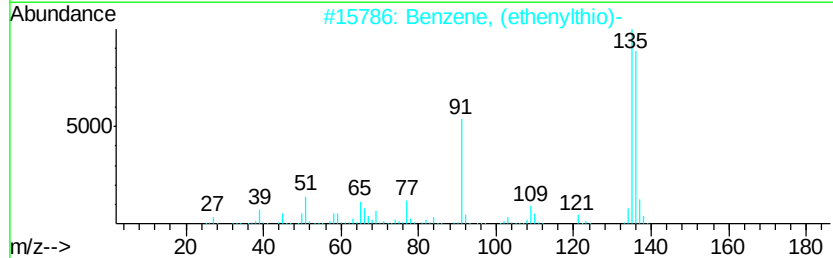
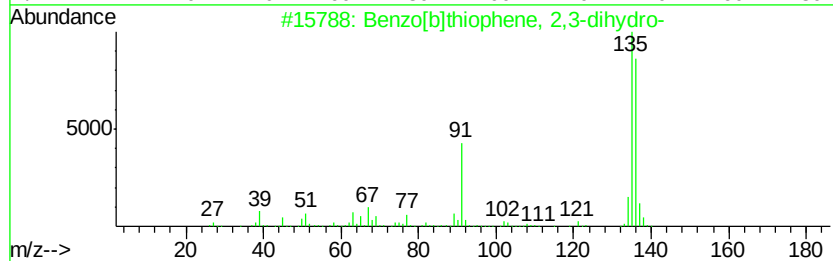
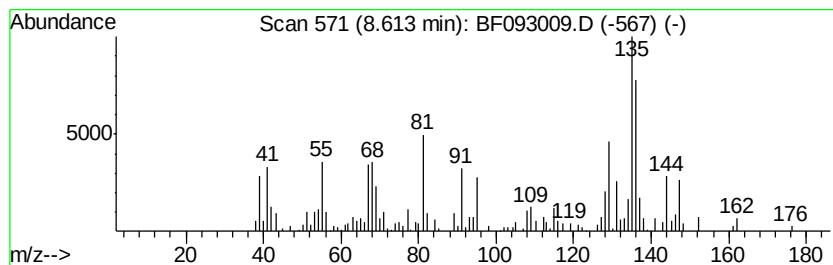
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[b]thiophene, 2,3-dihydro... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	3.10 ng	288822	Napthalene-d8	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	86
2		Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	50
3		3,4-(Methylenedioxy)toluene	136	C8H8O2	007145-99-5	43
4		4-Hydroxy-3-methylbenzaldehyde	136	C8H8O2	015174-69-3	43
5		4-Hydroxy-2-methylbenzaldehyde	136	C8H8O2	041438-18-0	38



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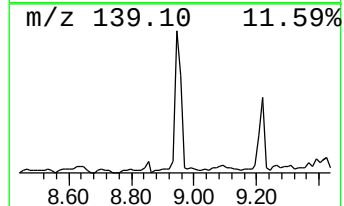
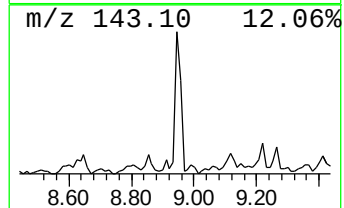
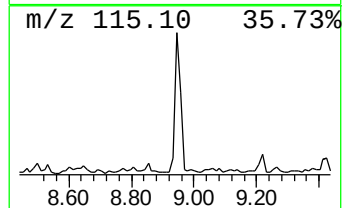
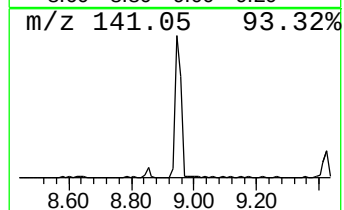
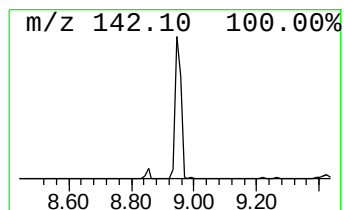
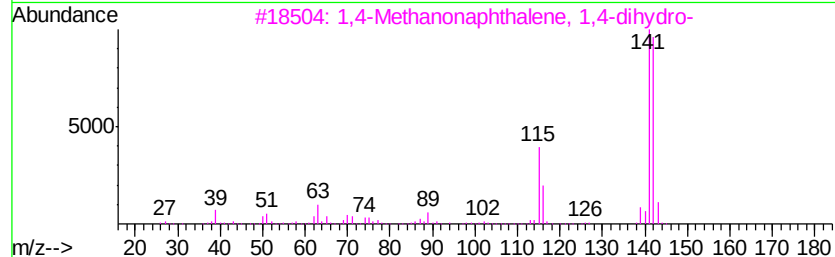
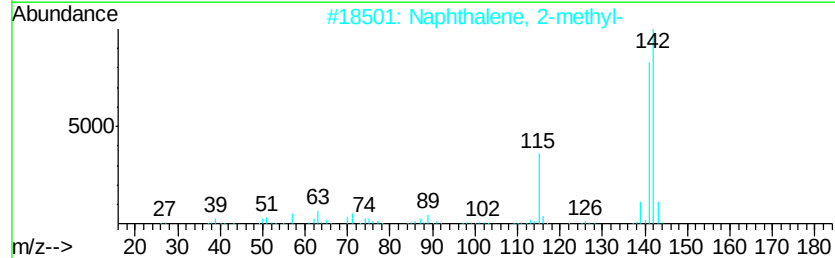
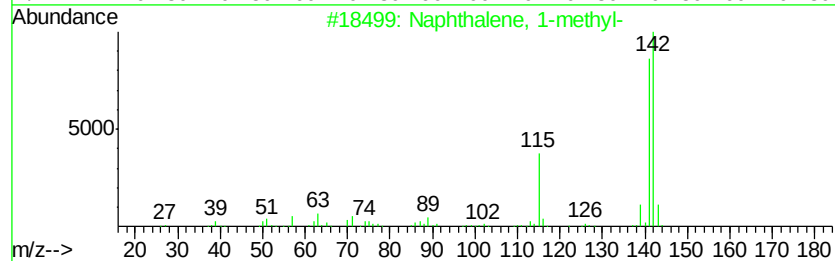
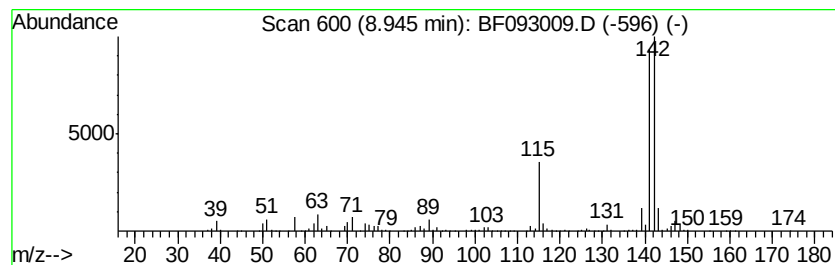
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	12.02 ng	1121130	Naphthalene-d8	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
4		Benzocycloheptatriene	142	C11H10	000264-09-5	93
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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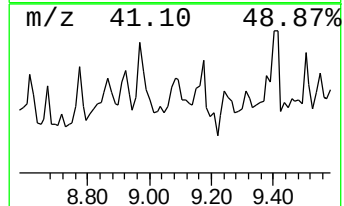
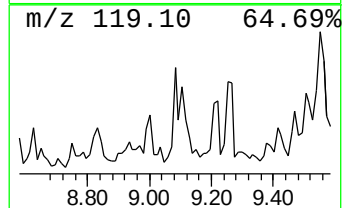
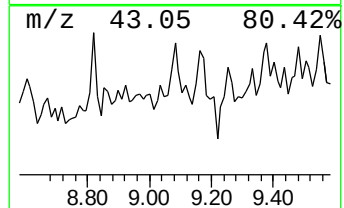
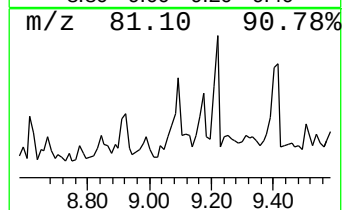
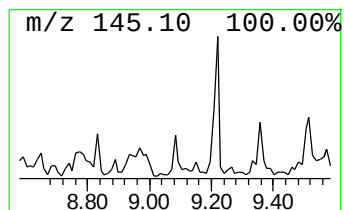
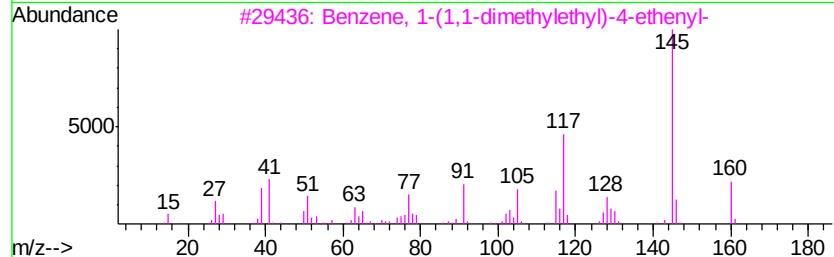
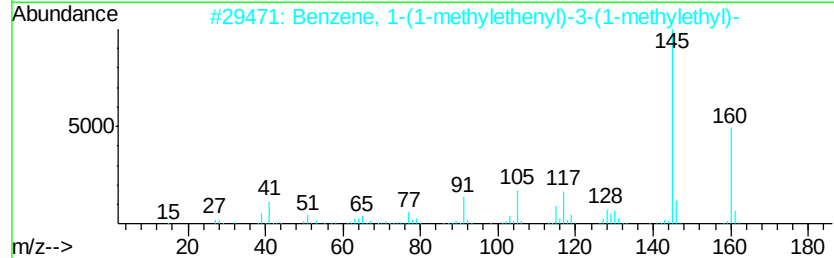
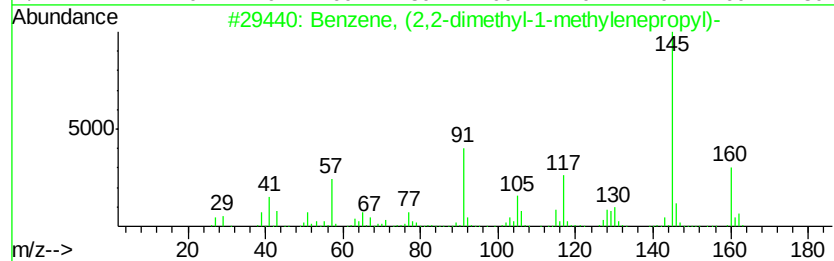
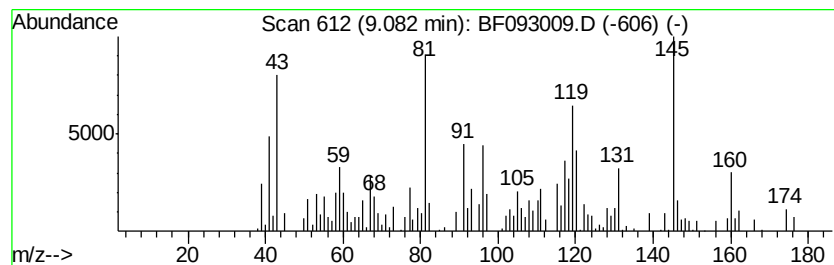
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzene, (2,2-dimethyl-1-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	2.74 ng	228223	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	68
2		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	38
3		Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	35
4		Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	35
5		3-Ethyl-3-phenyl-1-pentene	174	C13H18	019781-34-1	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093009.D
Acq On : 17 Feb 2017 14:41
Operator : SJ/MA
Sample : I1884-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

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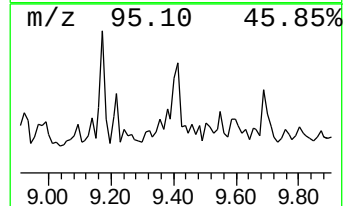
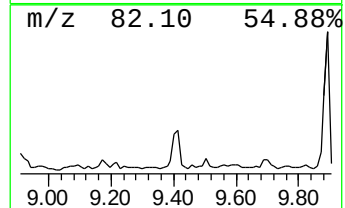
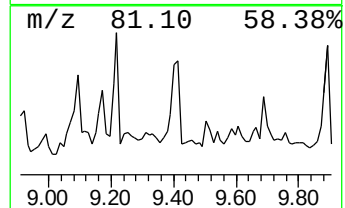
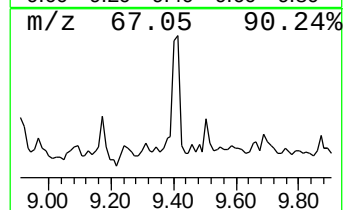
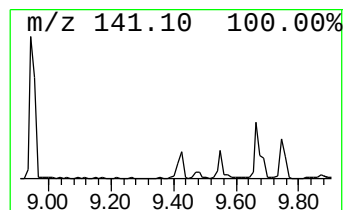
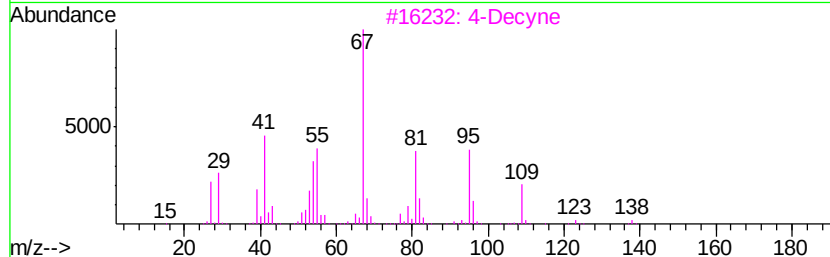
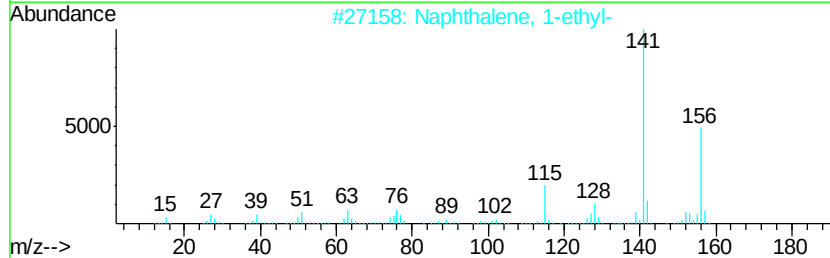
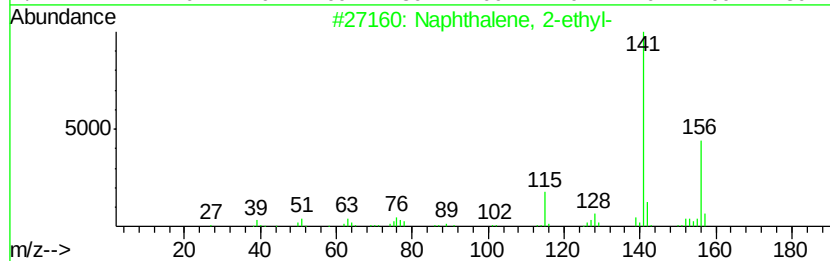
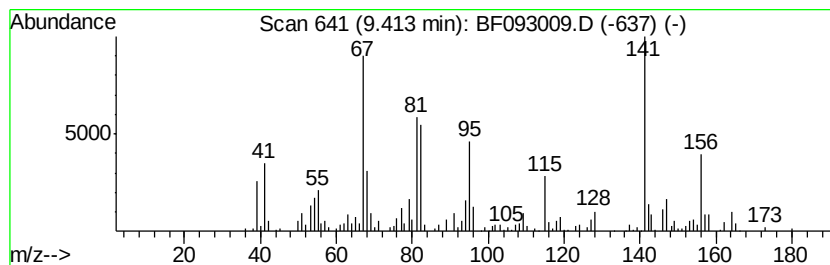
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown9.41 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	5.46 ng	454221	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	42
2		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	42
3		4-Decyne	138	C10H18	002384-86-3	38
4		Morpholine, 4-(2-methyl-1-propen...	141	C8H15NO	002403-55-6	30
5		2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093009.D
Acq On : 17 Feb 2017 14:41
Operator : SJ/MA
Sample : I1884-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

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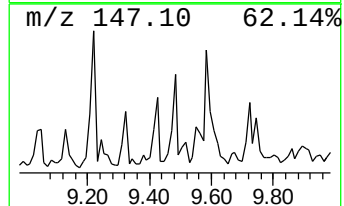
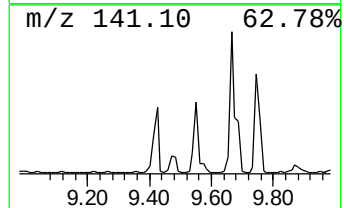
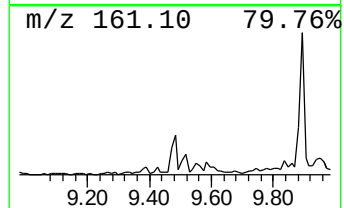
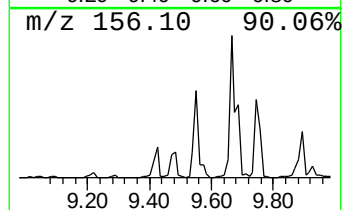
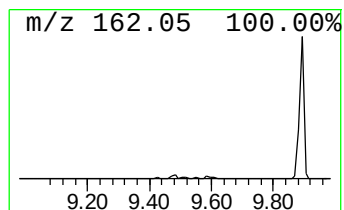
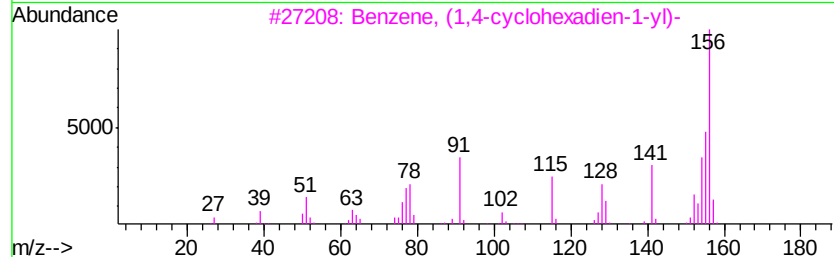
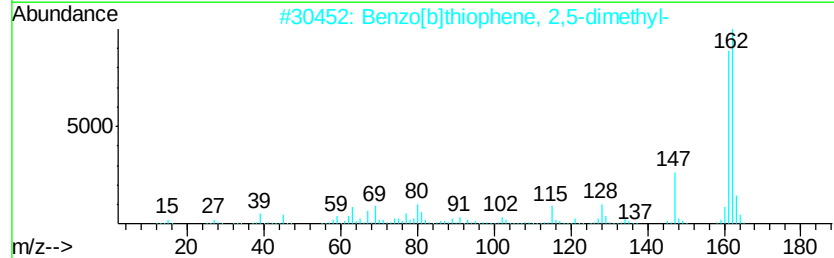
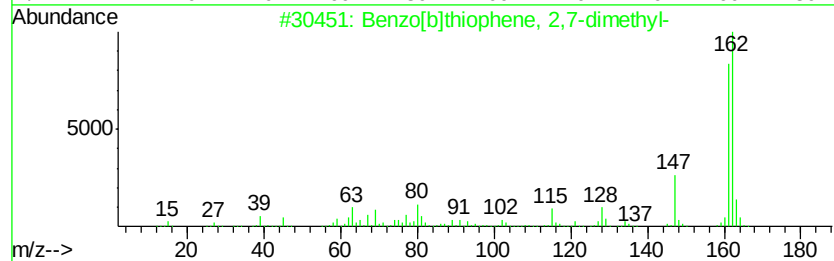
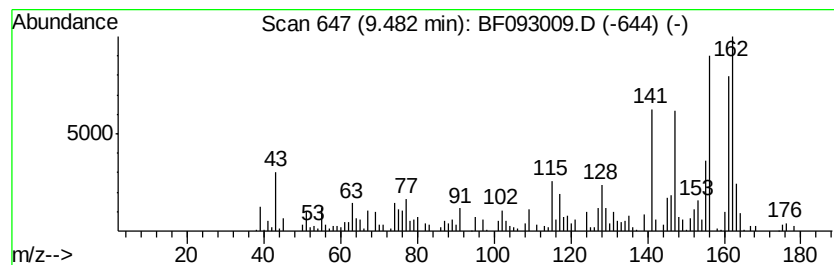
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[b]thiophene, 2,7-dime... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	2.48 ng	206271	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 2,7-dimethyl-	162	C10H10S	016587-40-9	55
2		Benzo[b]thiophene, 2,5-dimethyl-	162	C10H10S	016587-48-7	55
3		Benzene, (1,4-cyclohexadien-1-yl)-	156	C12H12	013703-52-1	52
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	52
5		1-Phenyl-3-methylpenta-1,2,4-triene	156	C12H12	093247-38-2	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093009.D
Acq On : 17 Feb 2017 14:41
Operator : SJ/MA
Sample : I1884-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

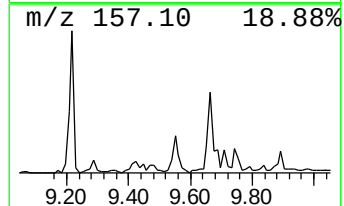
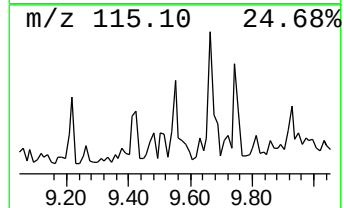
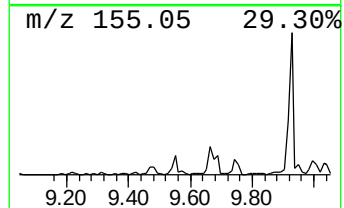
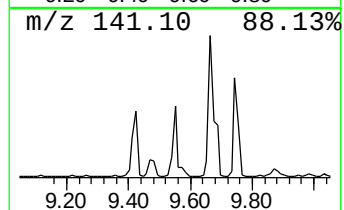
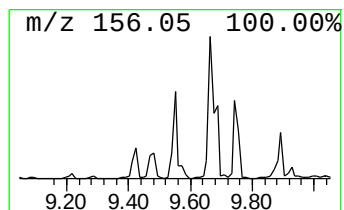
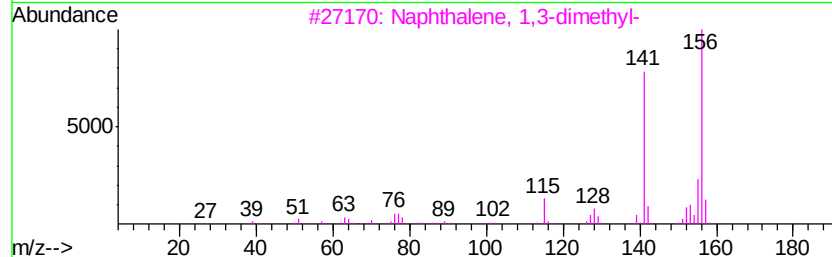
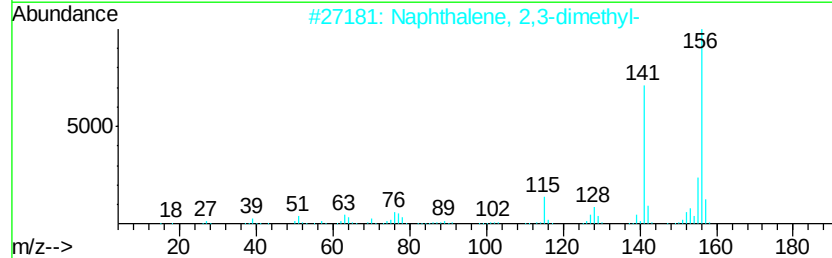
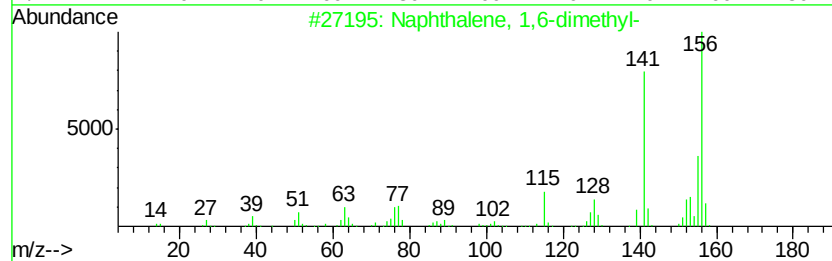
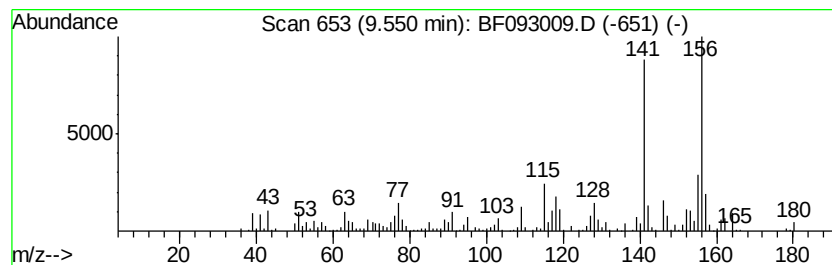
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.55	3.79 ng	315267	Acenaphthene-d10		9.89
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
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Sample : I1884-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

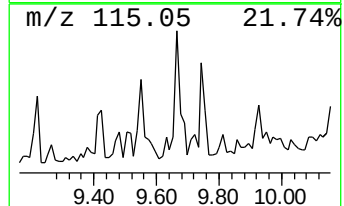
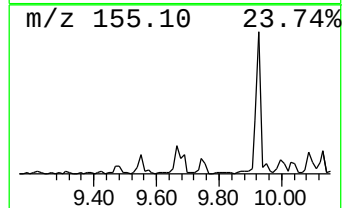
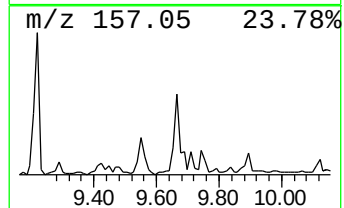
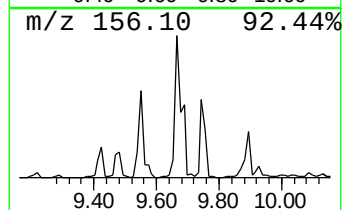
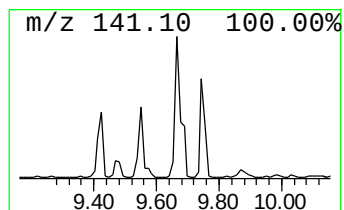
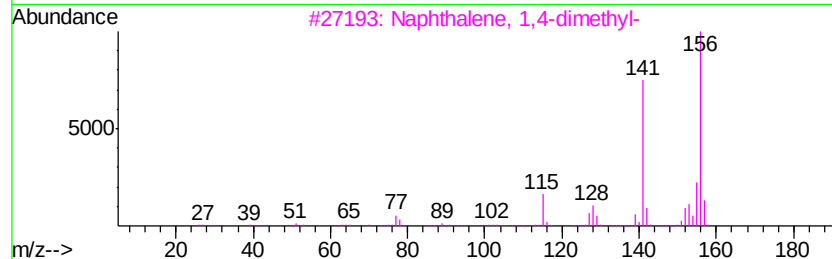
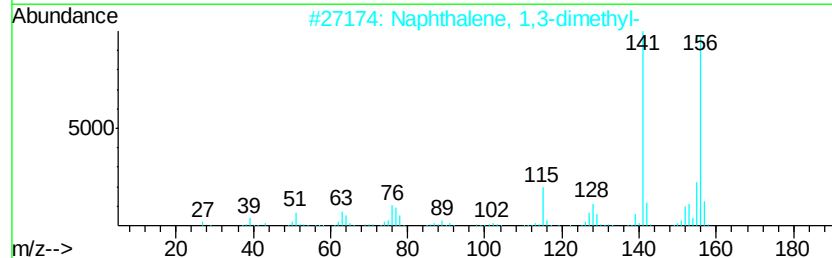
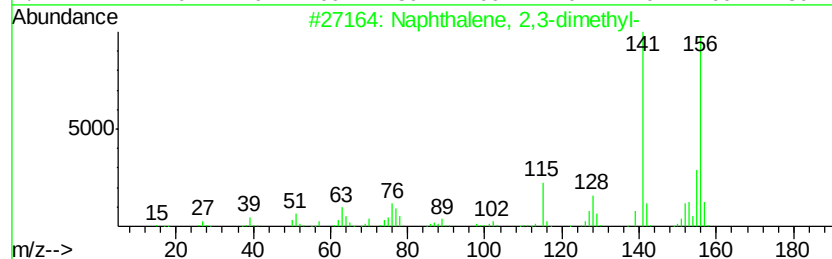
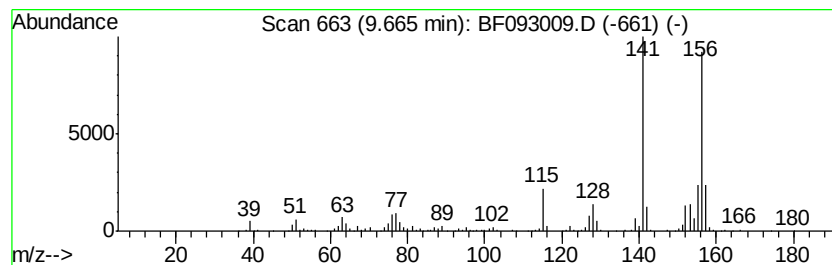
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.66	5.54 ng	460836	Acenaphthene-d10		9.89
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093009.D
Acq On : 17 Feb 2017 14:41
Operator : SJ/MA
Sample : I1884-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

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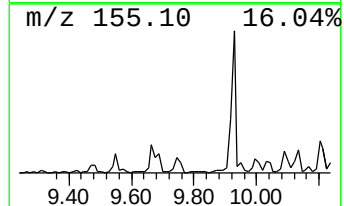
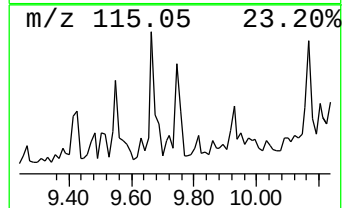
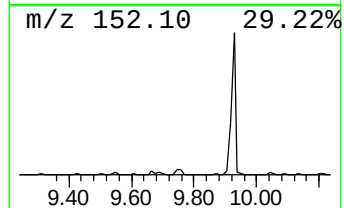
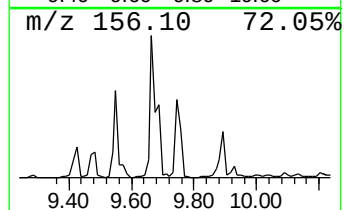
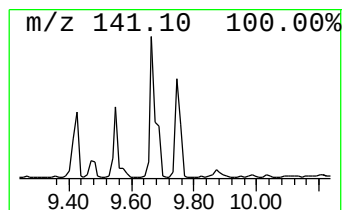
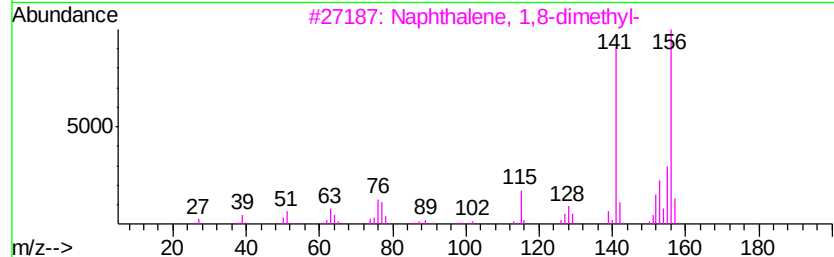
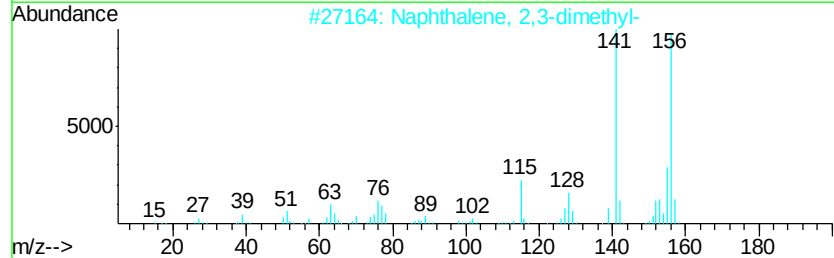
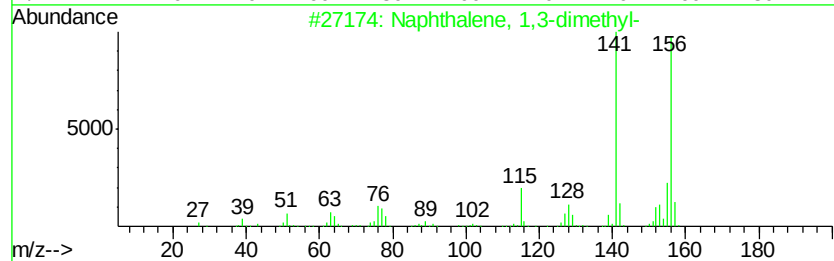
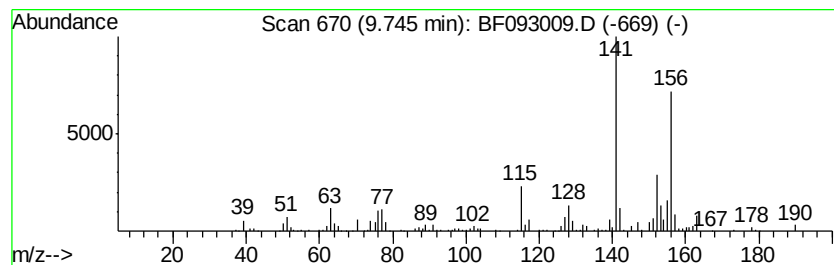
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	3.14 ng	261212	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
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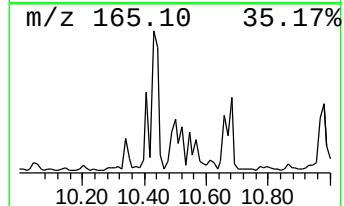
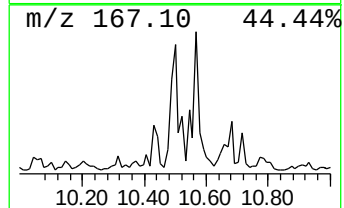
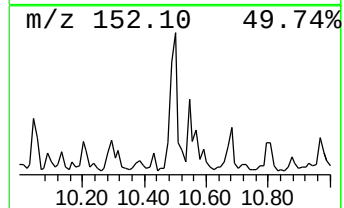
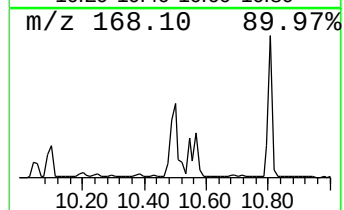
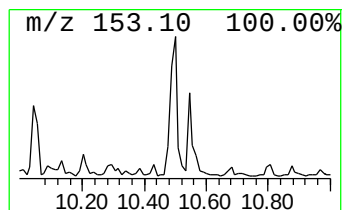
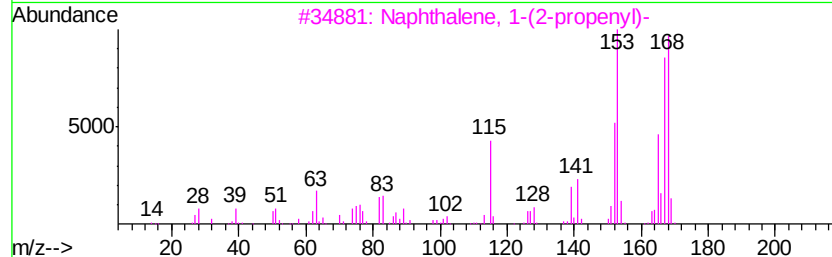
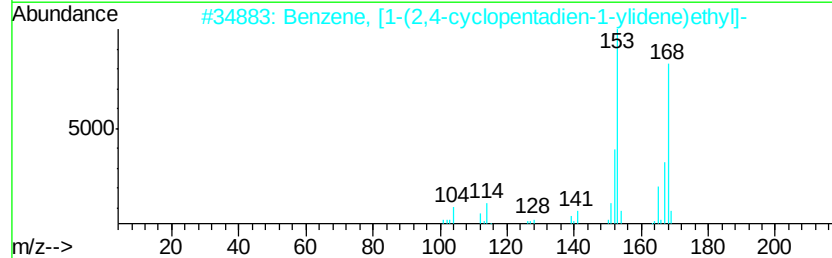
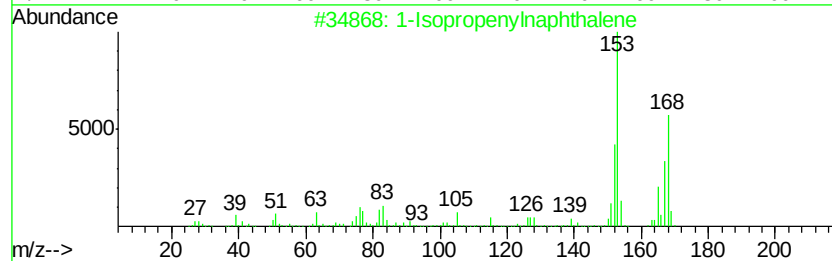
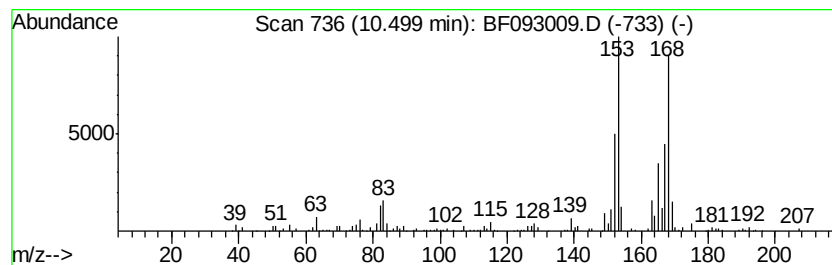
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1-Isopropenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.50	4.48 ng	372774	Acenaphthene-d10		9.89	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2		Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
3		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	68
4		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
5		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093009.D
Acq On : 17 Feb 2017 14:41
Operator : SJ/MA
Sample : I1884-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MANHOLE-002

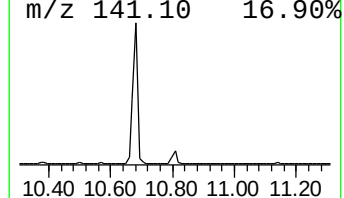
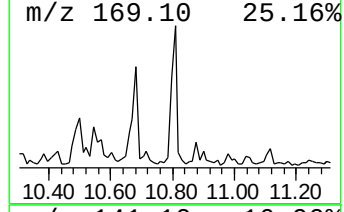
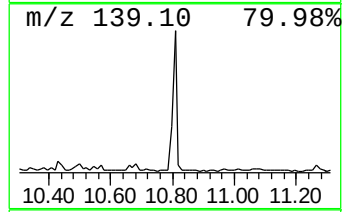
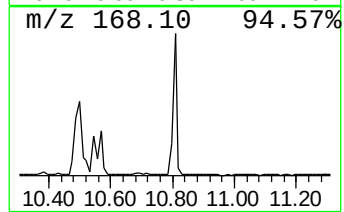
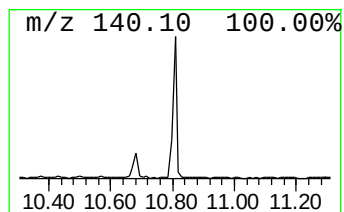
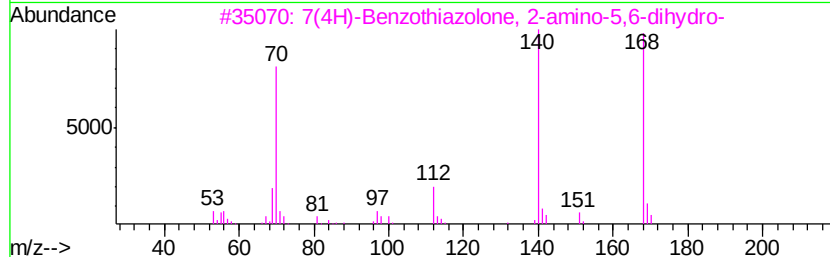
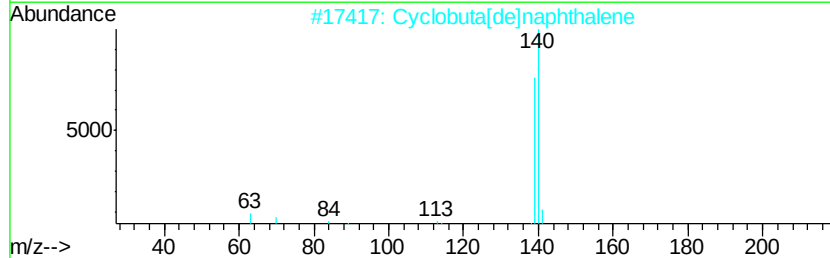
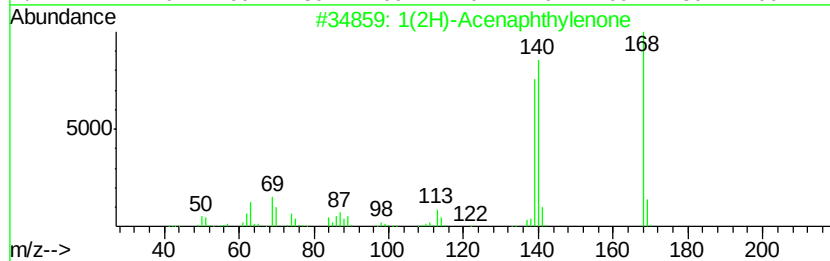
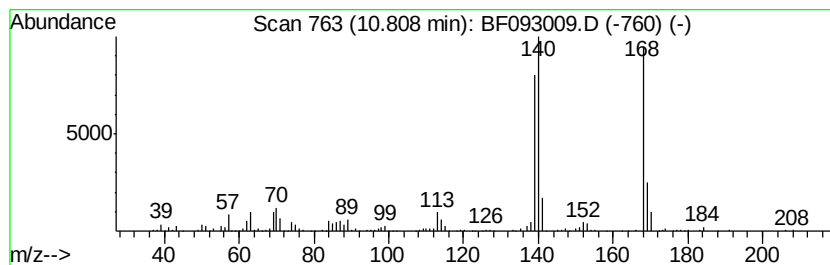
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1(2H)-Acenaphthylenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	5.00 ng	387225	Phenanthrene-d10	11.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	93
2			Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	53
3			7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	50
4			4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	43
5			1H-Naphtho[2,1-b]thiete, 2,2-dio...	204	C11H8O2S	016205-74-6	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093009.D
Acq On : 17 Feb 2017 14:41
Operator : SJ/MA
Sample : I1884-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MANHOLE-002

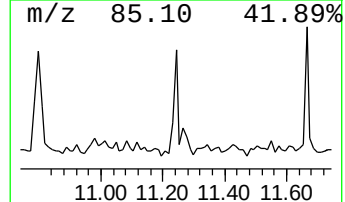
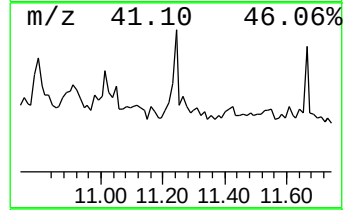
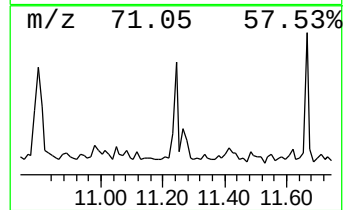
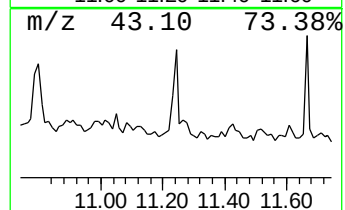
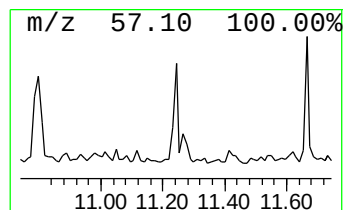
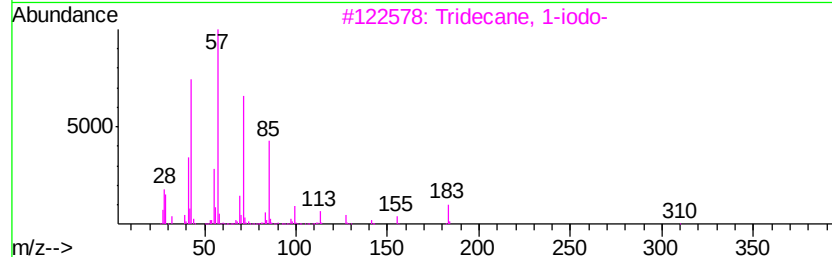
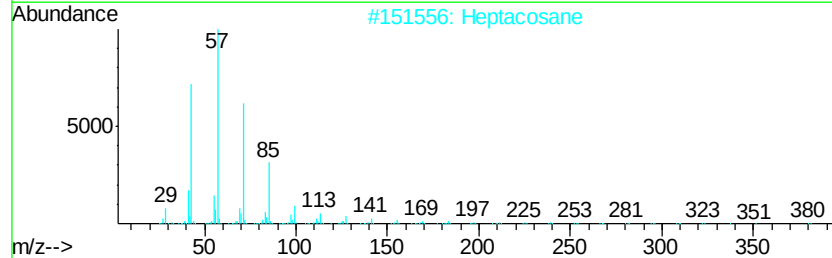
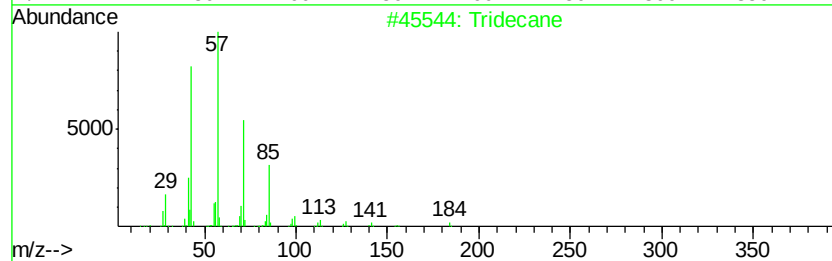
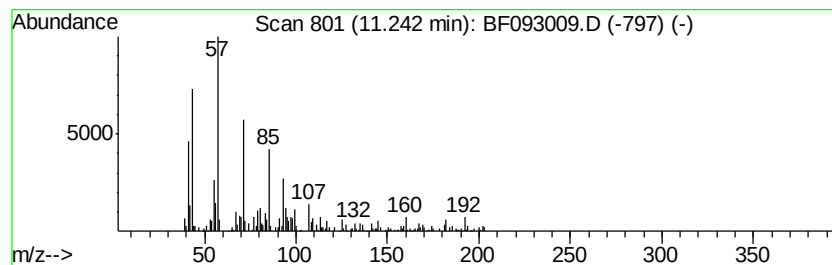
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Tridecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.48 ng	192297	Phenanthrene-d10	11.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	60
2			Heptacosane	380	C27H56	000593-49-7	52
3			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	52
4			Pentadecane	212	C15H32	000629-62-9	52
5			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
 Data File : BF093009.D
 Acq On : 17 Feb 2017 14:41
 Operator : SJ/MA
 Sample : I1884-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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...	5.01	12.7	ng	688170	1	6.85	1083860	20.0
unknown6.62	6.62	74.0	ng	4007930	1	6.85	1083860	20.0
Benzene, 1-ethyl-...	6.68	2.7	ng	146126	1	6.85	1083860	20.0
Benzene, 1,3-diet...	7.10	3.4	ng	184649	1	6.85	1083860	20.0
Benzene, 1,2-diet...	7.20	3.1	ng	167216	1	6.85	1083860	20.0
3-Cyclopentylprop...	7.37	3.4	ng	185178	1	6.85	1083860	20.0
Benzene, 1,2,3,4-...	7.88	4.2	ng	387993	2	8.14	1864790	20.0
unknown8.05	8.05	2.6	ng	239250	2	8.14	1864790	20.0
Benzo[b]thiophene...	8.61	3.1	ng	288822	2	8.14	1864790	20.0
Naphthalene, 1-me...	8.94	12.0	ng	1121130	2	8.14	1864790	20.0
Benzene, (2,2-dim...	9.08	2.7	ng	228223	3	9.89	1663720	20.0
unknown9.41	9.41	5.5	ng	454221	3	9.89	1663720	20.0
Benzo[b]thiophene...	9.48	2.5	ng	206271	3	9.89	1663720	20.0
Naphthalene, 1,6-...	9.55	3.8	ng	315267	3	9.89	1663720	20.0
Naphthalene, 2,3-...	9.66	5.5	ng	460836	3	9.89	1663720	20.0
Naphthalene, 1,3-...	9.74	3.1	ng	261212	3	9.89	1663720	20.0
1-Isopropenyl naph...	10.50	4.5	ng	372774	3	9.89	1663720	20.0
1(2H)-Acenaphthyl...	10.81	5.0	ng	387225	4	11.38	1549160	20.0
Tridecane	11.24	2.5	ng	192297	4	11.38	1549160	20.0