

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
 Data File : BF092090.D
 Acq On : 5 Jan 2017 1:32
 Operator : UM/SJ
 Sample : I1004-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-34

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.035	10	13	24	rVB3	40665	163168	2.45%	0.151%
2	2.458	43	50	53	rVB	106970	266652	4.00%	0.247%
3	2.778	72	78	81	rBV2	46942	139008	2.09%	0.129%
4	3.018	95	99	103	rVB	51154	108081	1.62%	0.100%
5	3.475	135	139	143	rBV	93106	183199	2.75%	0.170%
6	3.727	157	161	164	rBV2	101742	213263	3.20%	0.197%
7	4.138	194	197	204	rVB	142715	285225	4.28%	0.264%
8	4.264	204	208	213	rBV2	143148	233659	3.51%	0.216%
9	4.618	237	239	241	rVB	117882	133181	2.00%	0.123%
10	4.710	245	247	251	rVB	240724	368489	5.53%	0.341%
11	4.790	251	254	258	rBV2	706426	1154197	17.32%	1.069%
12	4.858	258	260	263	rVB3	78210	138566	2.08%	0.128%
13	4.927	263	266	270	rVB3	54322	110107	1.65%	0.102%
14	5.007	270	273	275	rBV2	171925	268297	4.03%	0.248%
15	5.190	287	289	290	rBV	111218	184976	2.78%	0.171%
16	5.213	290	291	293	rVB2	138907	140589	2.11%	0.130%
17	5.259	293	295	297	rBV	1964772	1908423	28.65%	1.767%
18	5.293	297	298	302	rVB2	98082	145023	2.18%	0.134%
19	5.384	304	306	309	rBV2	156669	318972	4.79%	0.295%
20	5.430	309	310	312	rVB	178286	157980	2.37%	0.146%
21	5.476	312	314	317	rBV3	160554	288011	4.32%	0.267%
22	5.544	319	320	323	rVB2	125430	146436	2.20%	0.136%
23	5.647	323	329	331	rBV2	232470	435608	6.54%	0.403%
24	5.704	331	334	336	rBV3	74291	180006	2.70%	0.167%
25	5.807	339	343	345	rBV2	451927	886950	13.31%	0.821%
26	5.853	345	347	349	rBV2	118659	176799	2.65%	0.164%
27	5.899	349	351	354	rVB2	558779	817118	12.27%	0.756%
28	5.956	354	356	357	rBV	287953	316618	4.75%	0.293%
29	5.979	357	358	362	rVB4	78880	125629	1.89%	0.116%
30	6.104	364	369	371	rBV2	309302	727103	10.91%	0.673%
31	6.173	371	375	381	rVB6	234627	766293	11.50%	0.709%
32	6.253	381	382	384	rBV2	262860	334442	5.02%	0.310%
33	6.287	384	385	387	rBV2	257771	358008	5.37%	0.331%
34	6.321	387	388	393	rVB2	1046530	1926826	28.92%	1.784%

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35	6.401	393	395	396 rBV	199826	336161	5.05%	0.311%
36	6.436	396	398	401 rVB	3628392	3605429	54.12%	3.338%
37	6.516	403	405	406 rBV2	146049	201816	3.03%	0.187%
38	6.539	406	407	410 rVB3	127163	158887	2.38%	0.147%
39	6.619	410	414	416 rBV5	307605	701384	10.53%	0.649%
40	6.664	416	418	422 rVB2	1072246	1822925	27.36%	1.688%
41	6.722	422	423	425 rBV2	184031	219897	3.30%	0.204%
42	6.813	429	431	436 rVB2	2646009	4549369	68.29%	4.212%
43	6.916	438	440	442 rBV	456051	537073	8.06%	0.497%
44	6.984	445	446	447 rBV	353388	334375	5.02%	0.310%
45	7.007	447	448	451 rVB2	292730	365634	5.49%	0.339%
46	7.053	451	452	454 rBV2	464483	584595	8.77%	0.541%
47	7.110	456	457	458 rVB	211972	145307	2.18%	0.135%
48	7.144	458	460	461 rBV2	97158	140745	2.11%	0.130%
49	7.236	461	468	472 rBV2	3450447	6662150	100.00%	6.168%
50	7.316	472	475	477 rVB3	635968	990412	14.87%	0.917%
51	7.362	477	479	480 rBV	350677	495518	7.44%	0.459%
52	7.384	480	481	483 rVB	359969	400971	6.02%	0.371%
53	7.442	483	486	487 rBV	1362404	1583467	23.77%	1.466%
54	7.464	487	488	491 rVB2	613482	811591	12.18%	0.751%
55	7.533	491	494	495 rBV2	257090	467577	7.02%	0.433%
56	7.590	495	499	501 rBV3	651958	1555390	23.35%	1.440%
57	7.624	501	502	505 rVB2	635617	760345	11.41%	0.704%
58	7.693	505	508	513 rBV2	1636422	2489198	37.36%	2.304%
59	7.784	513	516	518 rBV3	490325	889003	13.34%	0.823%
60	7.842	518	521	524 rBV4	537445	1234480	18.53%	1.143%
61	7.944	527	530	532 rVB2	1628730	2335221	35.05%	2.162%
62	8.116	543	545	547 rBV4	490308	920776	13.82%	0.852%
63	8.162	547	549	551 rVV3	585867	746789	11.21%	0.691%
64	8.242	551	556	558 rVV5	852739	2108999	31.66%	1.953%
65	8.390	566	569	573 rBV3	1897390	3630667	54.50%	3.361%
66	8.459	573	575	577 rVV2	413127	441411	6.63%	0.409%
67	8.493	577	578	581 rVB3	656483	898738	13.49%	0.832%
68	8.573	581	585	586 rBV3	451079	1253187	18.81%	1.160%
69	8.653	590	592	594 rVB2	853330	1310436	19.67%	1.213%
70	8.699	594	596	597 rBV	577138	817890	12.28%	0.757%
71	8.767	597	602	604 rBV	2330100	3530812	53.00%	3.269%

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72	8.836	607	608	610	rBV2	492909	869665	13.05%	0.805%
73	8.939	615	617	619	rBV2	537871	885314	13.29%	0.820%
74	8.985	619	621	623	rVV	1679536	2414952	36.25%	2.236%
75	9.030	623	625	629	rVB	3148642	4014391	60.26%	3.717%
76	9.110	629	632	635	rBV4	1061047	2471254	37.09%	2.288%
77	9.373	653	655	656	rBV	838567	1100838	16.52%	1.019%
78	9.408	656	658	660	rBV2	877066	1961653	29.44%	1.816%
79	9.442	660	661	663	rVB2	1553236	1211643	18.19%	1.122%
80	9.568	670	672	674	rBV3	786378	1272843	19.11%	1.178%
81	9.613	674	676	678	rVB2	1526992	1776926	26.67%	1.645%
82	9.705	680	684	686	rBV2	1664031	2721994	40.86%	2.520%
83	10.025	710	712	714	rBV2	944983	1399374	21.00%	1.296%
84	10.105	717	719	724	rVB6	905344	1833079	27.51%	1.697%
85	10.368	740	742	744	rBV	910223	841181	12.63%	0.779%
86	10.493	751	753	758	rVV4	1350023	2335388	35.05%	2.162%
87	10.630	762	765	769	rVV2	1976272	3033457	45.53%	2.808%
88	10.699	769	771	778	rVB4	609051	1315594	19.75%	1.218%
89	11.179	811	813	816	rVB	999096	1064907	15.98%	0.986%
90	11.751	861	863	874	rVB2	1098692	1822125	27.35%	1.687%
91	12.436	920	923	928	rVB2	418641	701275	10.53%	0.649%
92	12.516	928	930	933	rBV	828985	1182827	17.75%	1.095%
93	12.585	935	936	938	rBV2	188750	374599	5.62%	0.347%
94	12.768	949	952	954	rVB	3993306	4058256	60.92%	3.757%
95	13.591	1022	1024	1026	rBV	161733	194368	2.92%	0.180%
96	13.659	1029	1030	1035	rVB	251400	391748	5.88%	0.363%
97	13.808	1040	1043	1045	rVV	1164481	1292695	19.40%	1.197%
98	13.865	1045	1048	1054	rVB7	59782	161402	2.42%	0.149%
99	14.379	1091	1093	1095	rBV2	101097	208569	3.13%	0.193%
100	15.180	1160	1163	1166	rBV	793656	957104	14.37%	0.886%

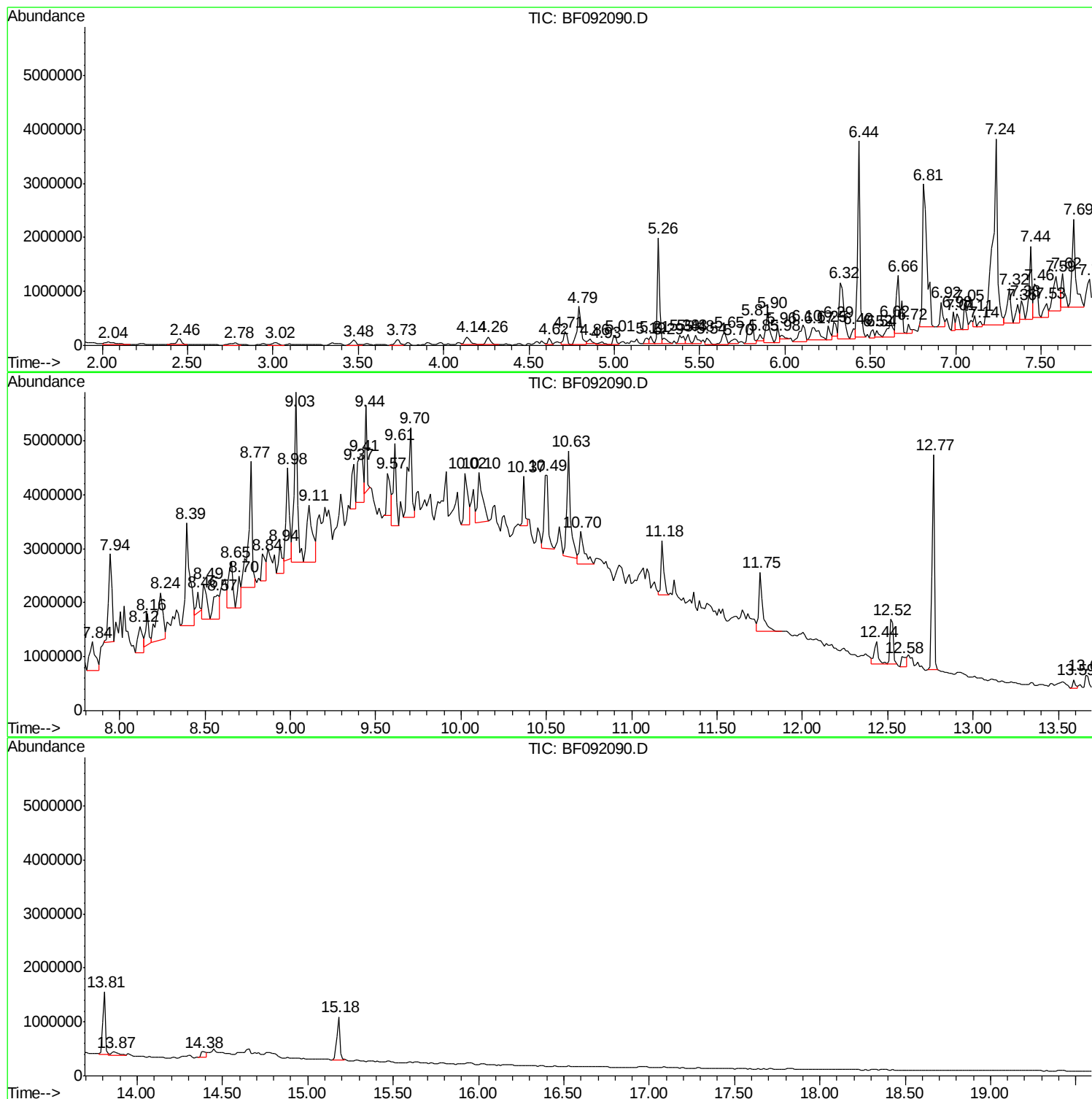
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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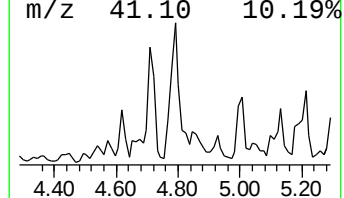
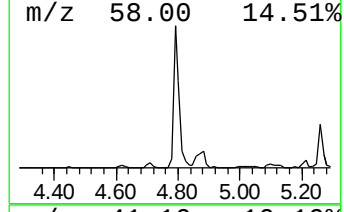
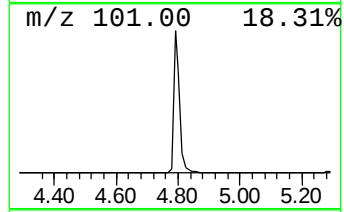
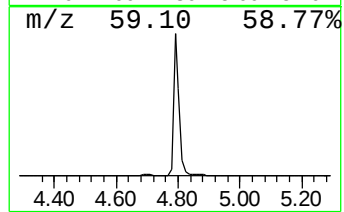
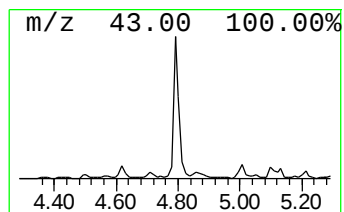
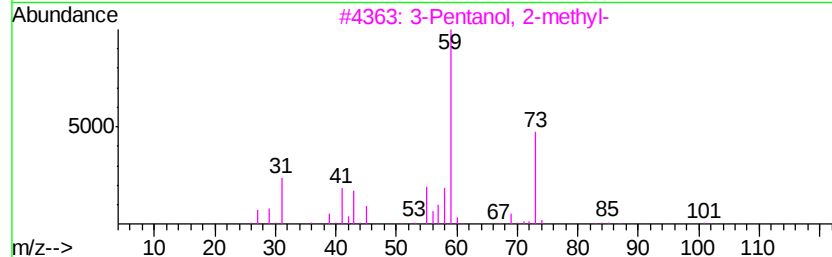
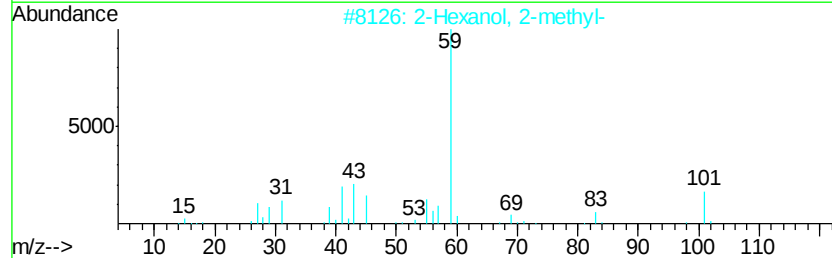
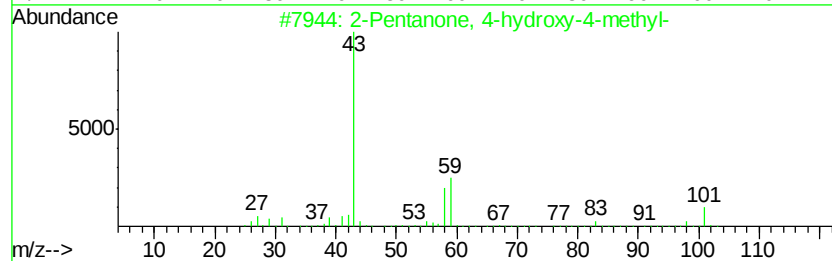
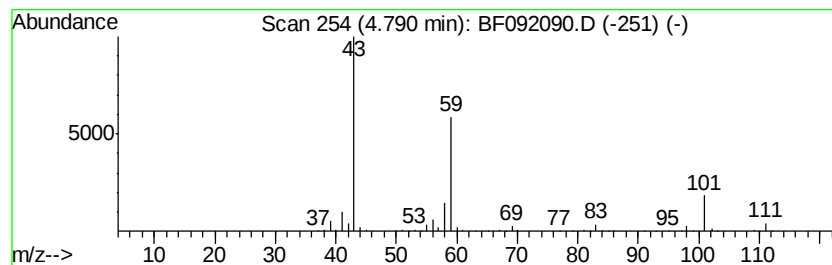
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	12.66 ng	1154200	1,4-Dichlorobenzene-d4	6.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	40
3		3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	25
4		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
5		2-Propyn-1-ol, acetate	98	C5H6O2	000627-09-8	9



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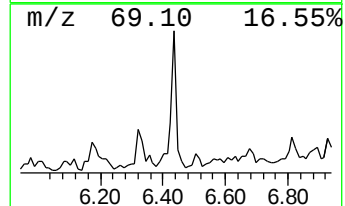
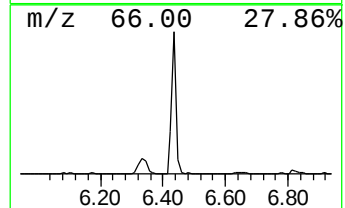
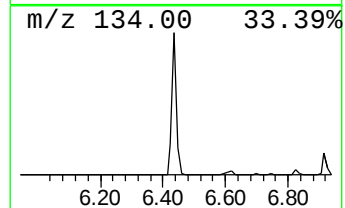
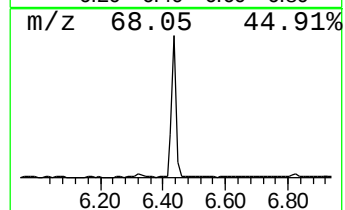
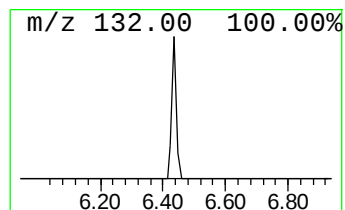
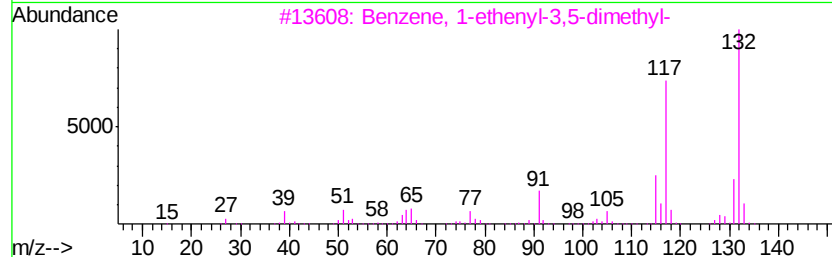
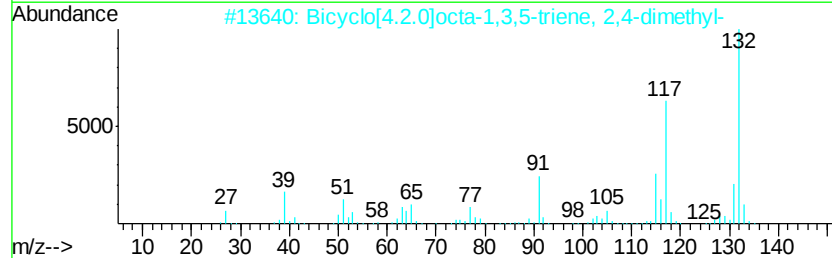
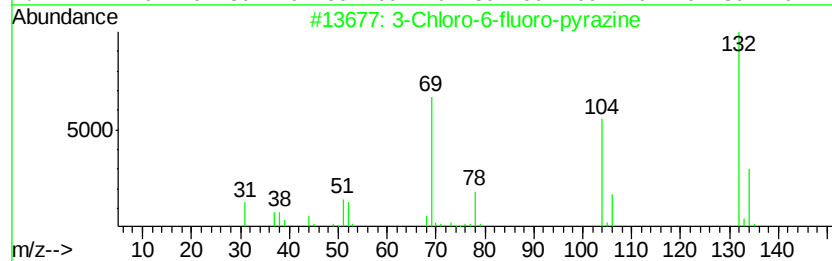
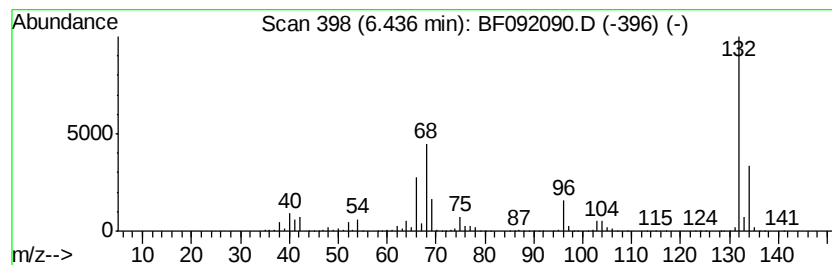
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.44 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	39.56 ng	3605430	1,4-Dichlorobenzene-d4	6.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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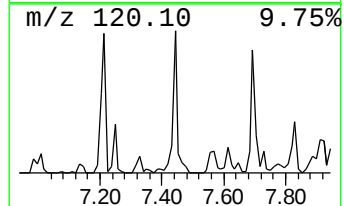
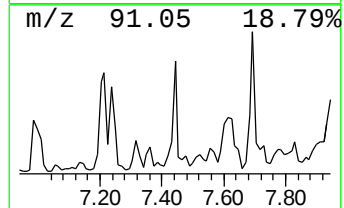
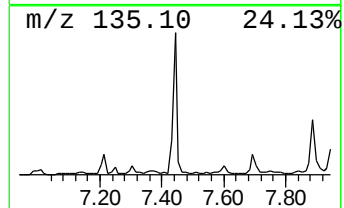
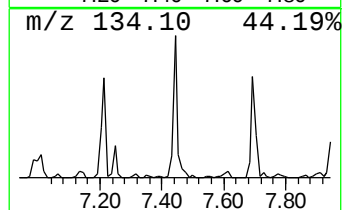
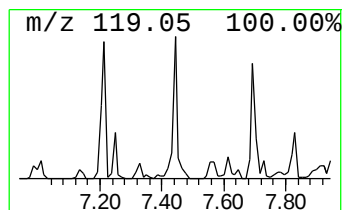
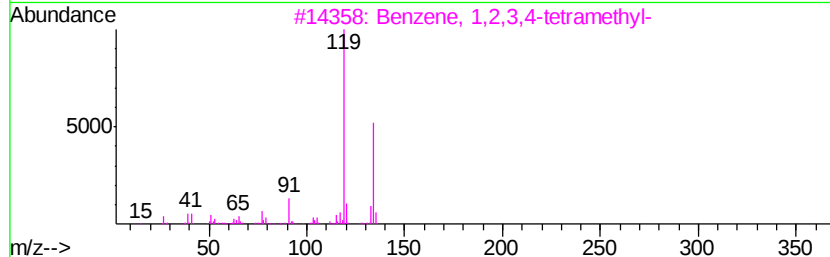
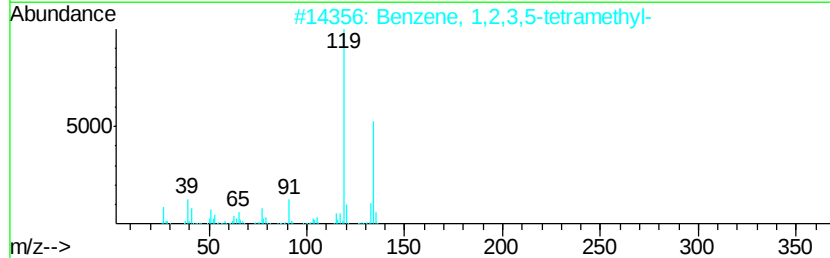
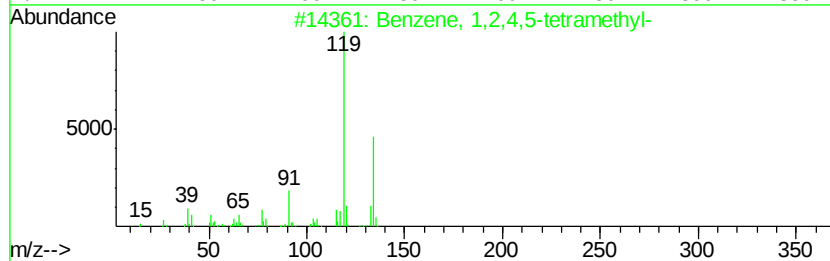
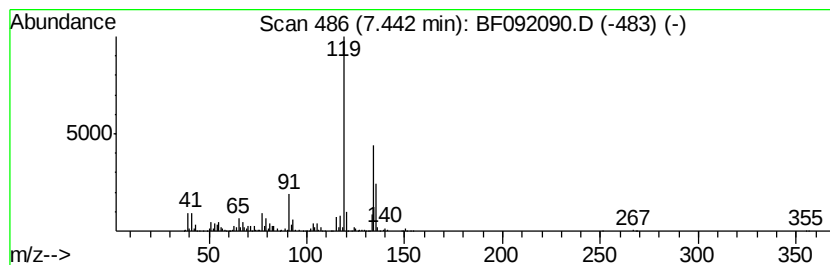
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	13.56 ng	1583470	Naphthalene-d8	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90



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Data File : BF092090.D
Acq On : 5 Jan 2017 1:32
Operator : UM/SJ
Sample : I1004-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

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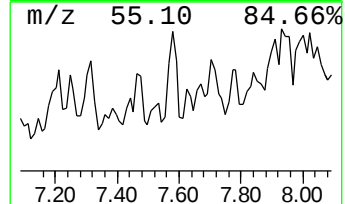
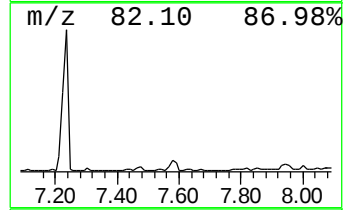
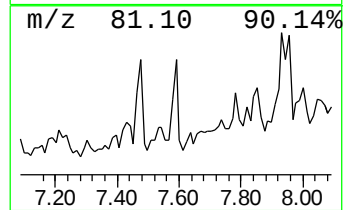
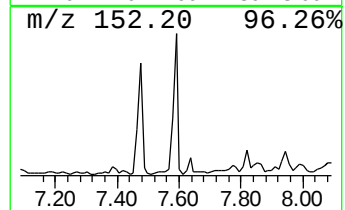
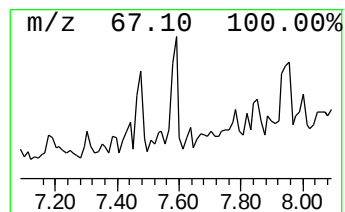
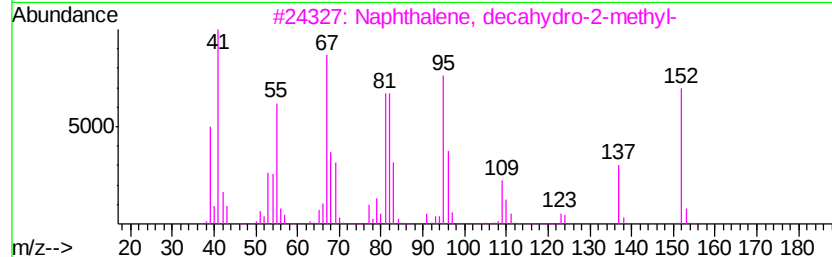
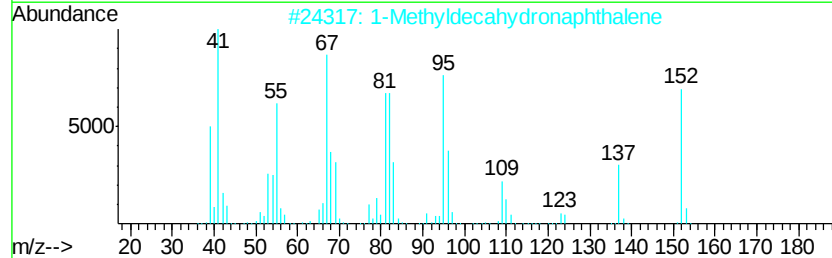
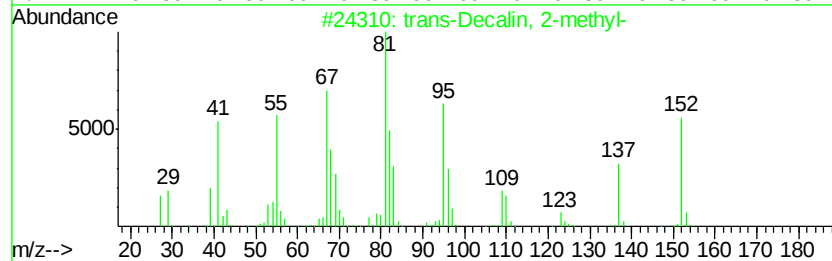
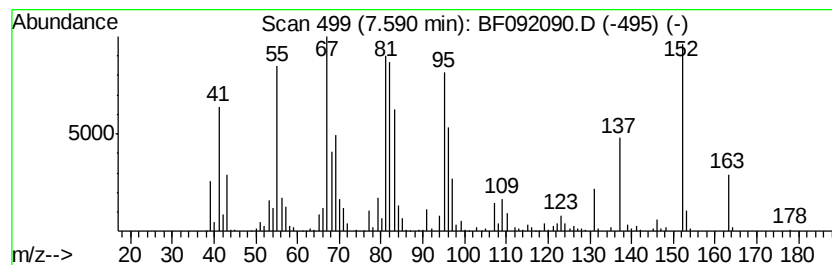
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 trans-Decalin, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	13.32 ng	1555390	Naphthalene-d8	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
2		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	68
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
4		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
5		Bicyclo(3.3.1)nonane-2,6-dione	152	C9H12O2	016473-11-3	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
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Acq On : 5 Jan 2017 1:32
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Sample : I1004-14
Misc :
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ClientSampleId :
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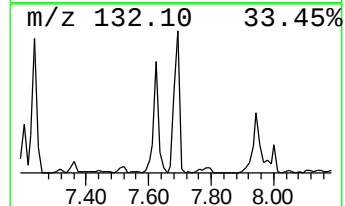
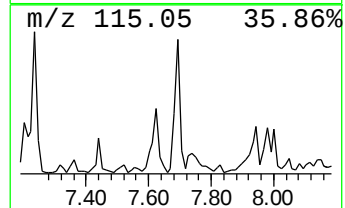
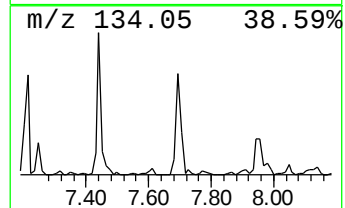
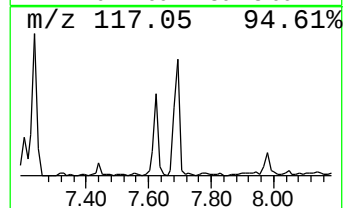
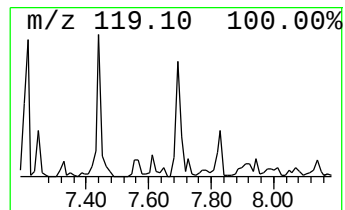
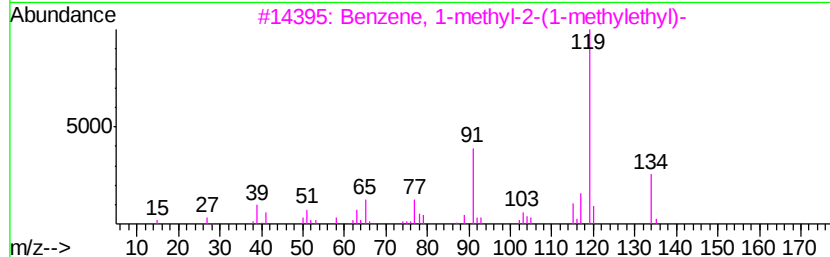
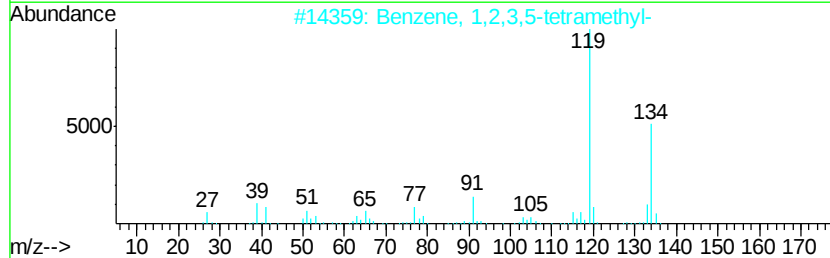
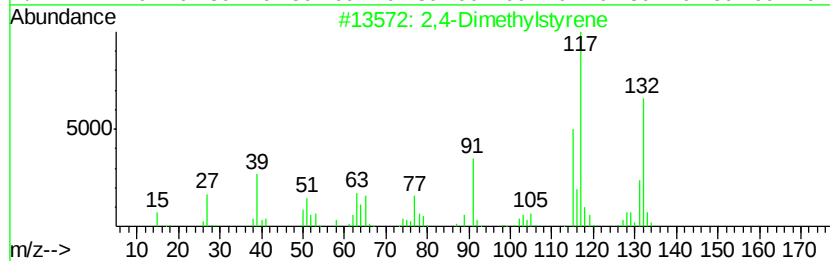
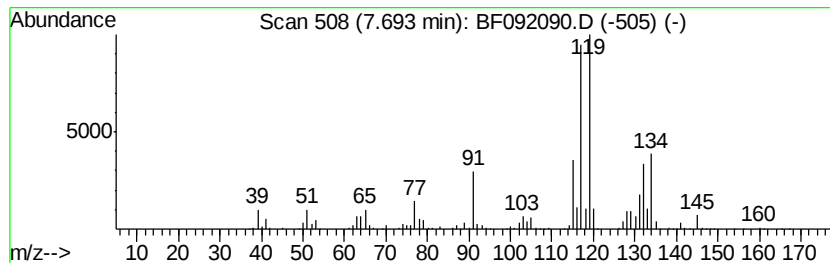
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 2,4-Dimethylstyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	21.32 ng	2489200	Naphthalene-d8	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Dimethylstvrene	132	C10H12	002234-20-0	70
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	50
3		Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	50
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
Data File : BF092090.D
Acq On : 5 Jan 2017 1:32
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Instrument :
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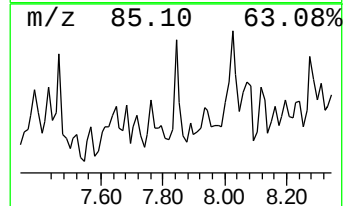
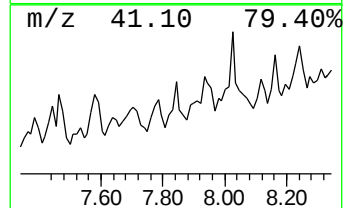
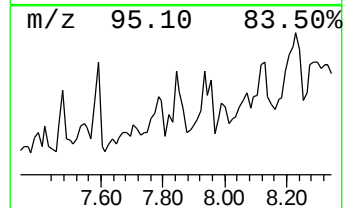
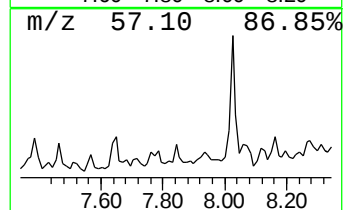
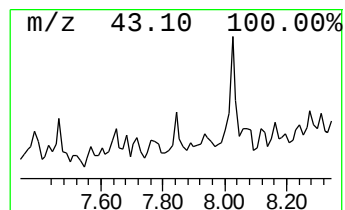
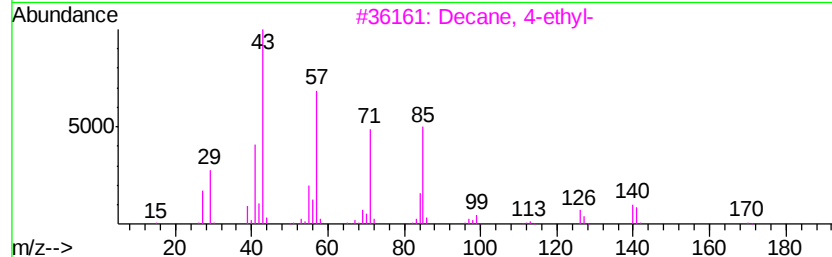
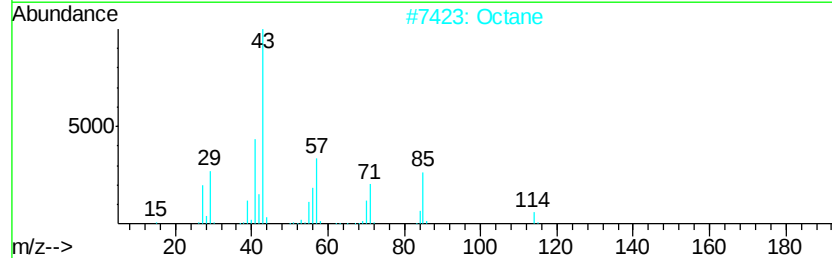
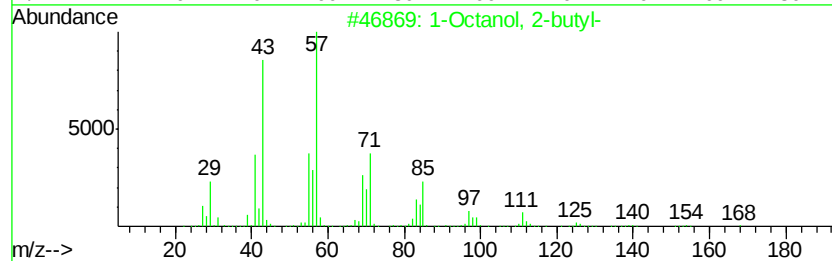
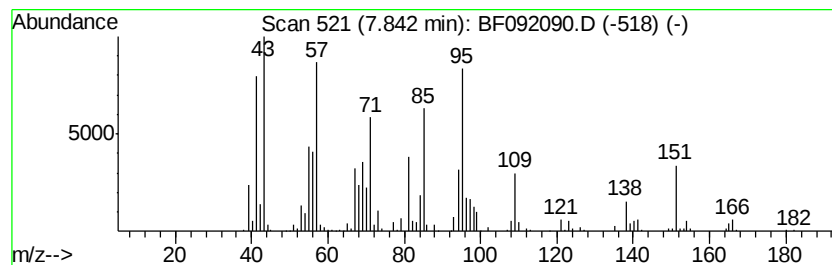
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.84 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.84	10.57 ng	1234480	Napthalene-d8	7.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	27
2			Octane	114	C8H18	000111-65-9	27
3			Decane, 4-ethyl-	170	C12H26	001636-44-8	22
4			Undecane	156	C11H24	001120-21-4	22
5			Bicyclo[2.2.1]heptane-2,3-dione,...	166	C10H14O2	002767-84-2	18



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\
Data File : BF092090.D
Acq On : 5 Jan 2017 1:32
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ClientSampleId :
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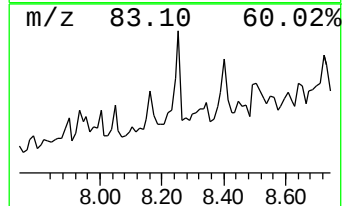
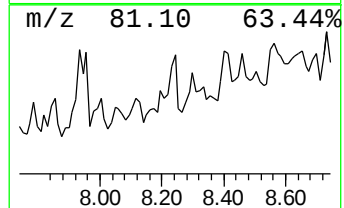
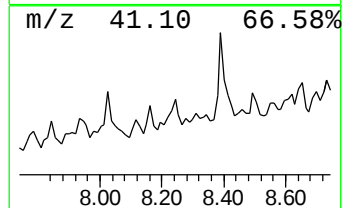
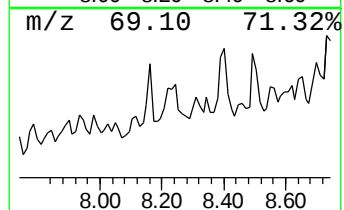
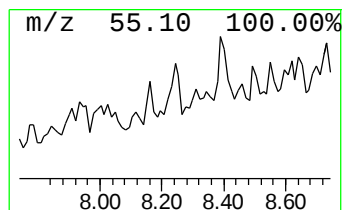
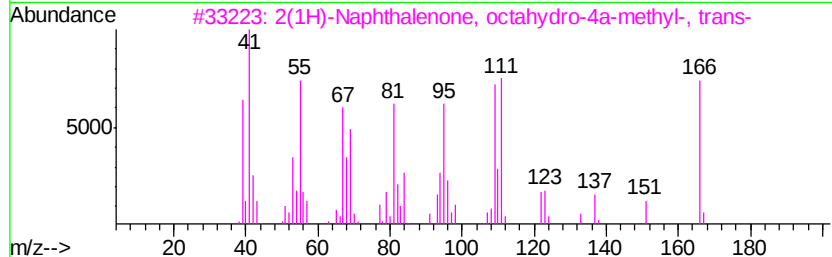
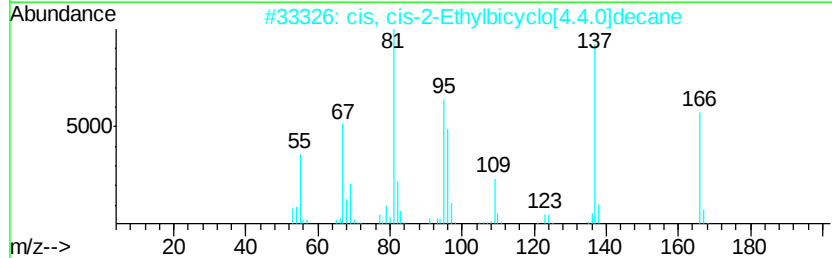
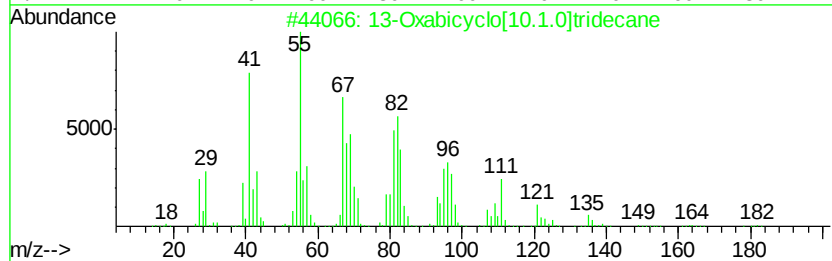
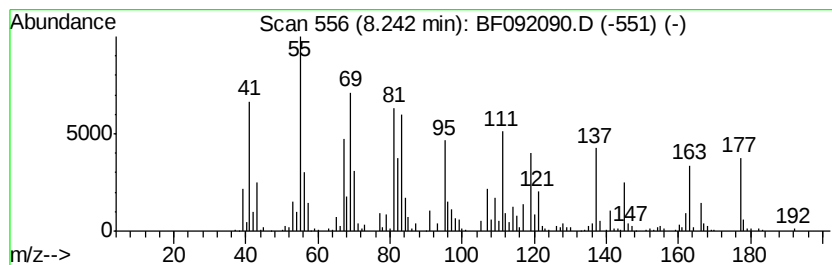
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown8.24 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	18.06 ng	2109000	Naphthalene-d8	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	13-Oxabicyclo[10.1.0]tridecane	182	C12H22O	000286-99-7	30
2		cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	15
3		2(1H)-Naphthalenone, octahydro-4...	166	C11H18O	000938-07-8	14
4		Cyclohexane, 1,1'-(1,2-dimethyl-...	222	C16H30	054889-87-1	14
5		trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
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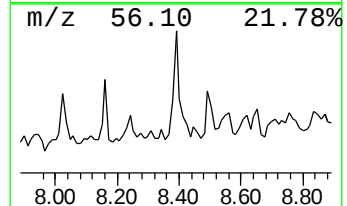
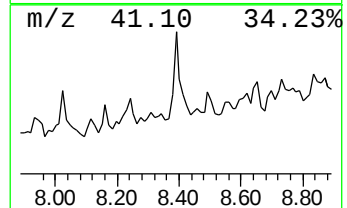
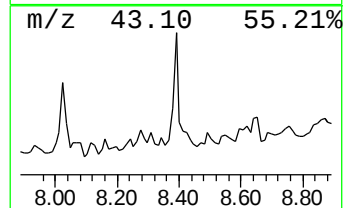
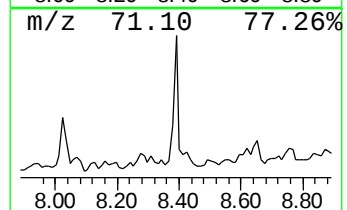
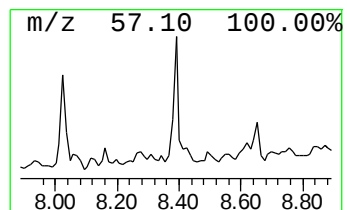
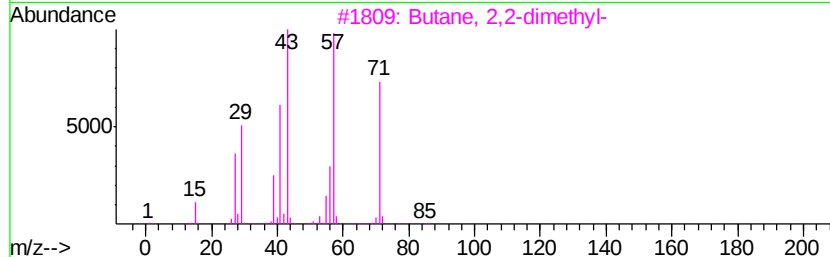
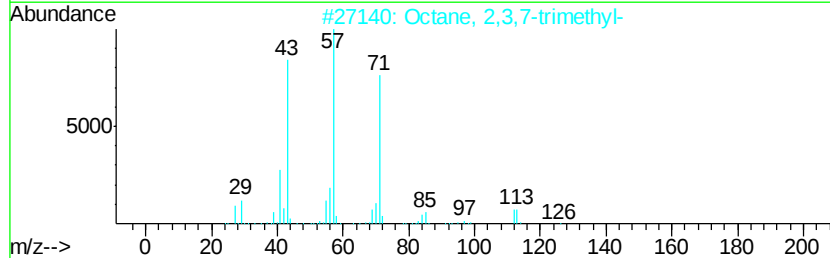
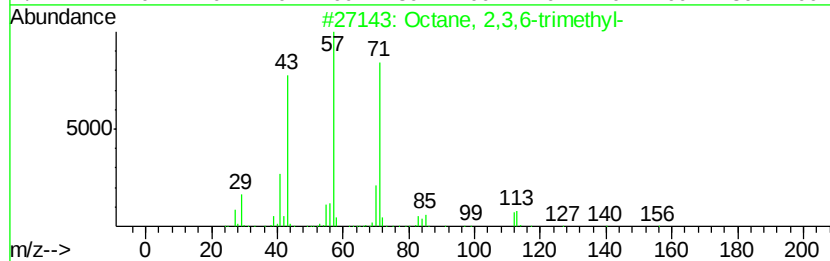
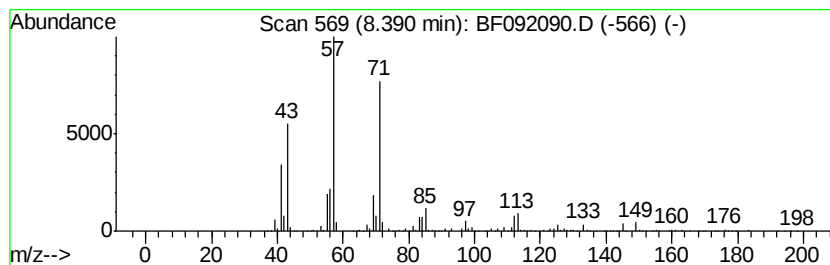
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octane, 2,3,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	31.09 ng	3630670	Napthalene-d8	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	59
2		Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59
3		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	59
4		3-Bromooctane	192	C8H17Br	000999-64-4	50
5		Octane, 2-bromo-	192	C8H17Br	000557-35-7	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
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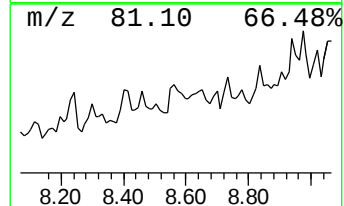
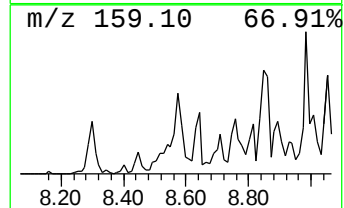
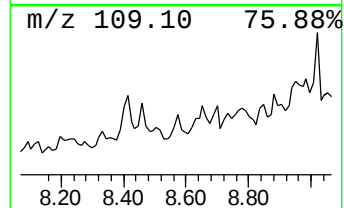
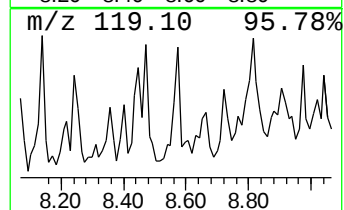
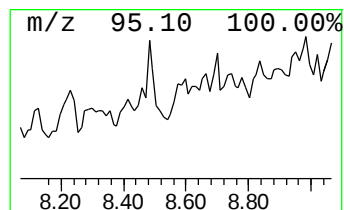
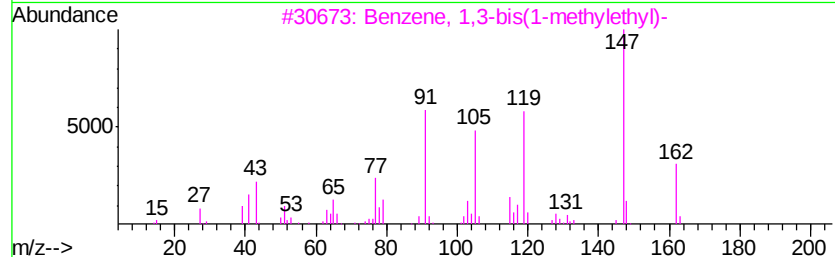
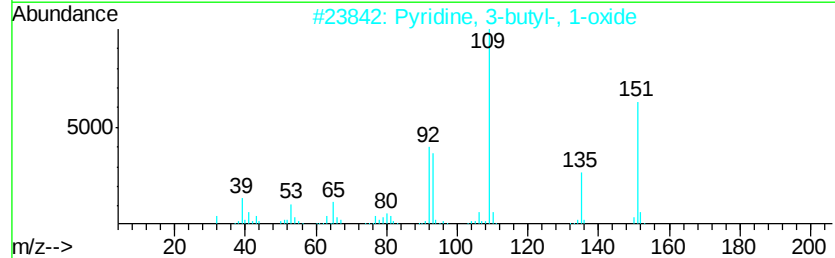
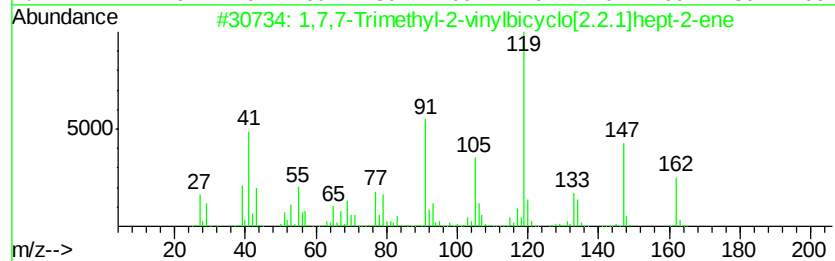
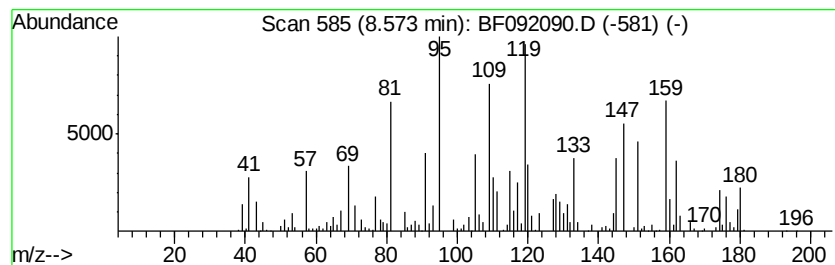
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown8.57 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	10.73 ng	1253190	Napthalene-d8	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,7,7-Trimethyl-2-vinylbicyclo[2.2.1]hept-2-ene	162	C12H18	130930-56-2	14
2		Pyridine, 3-butyl-, 1-oxide	151	C9H13NO	031396-33-5	11
3		Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	10
4		Benzoic acid, 2-amino-, methyl ester	151	C8H9NO2	000134-20-3	10
5		1,3,5-Cycloheptatriene, 2,4-diene	176	C13H20	1000156-99-6	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
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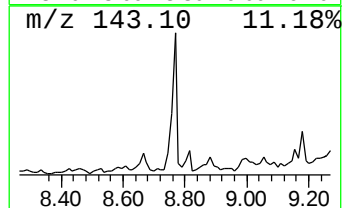
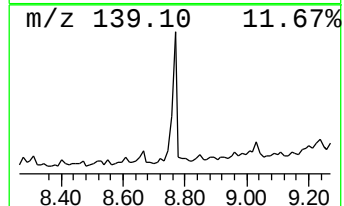
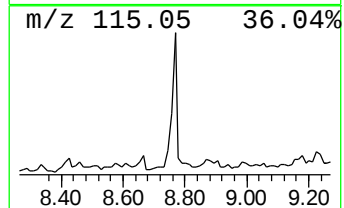
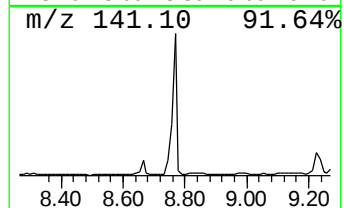
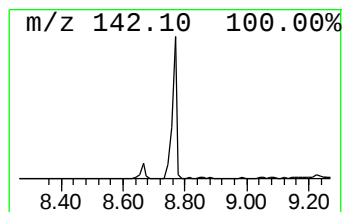
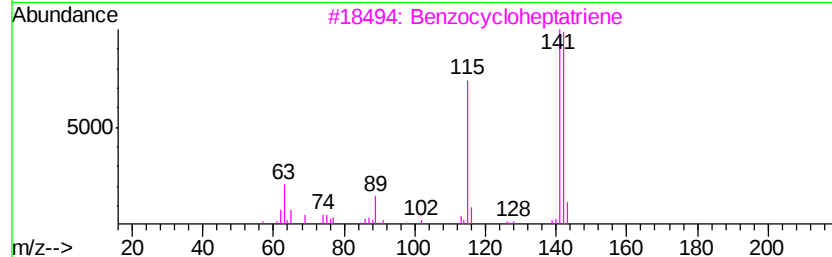
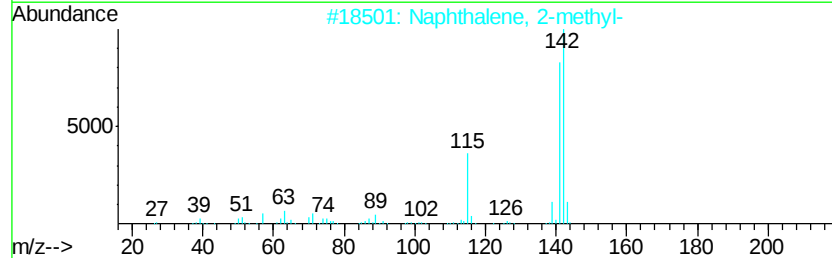
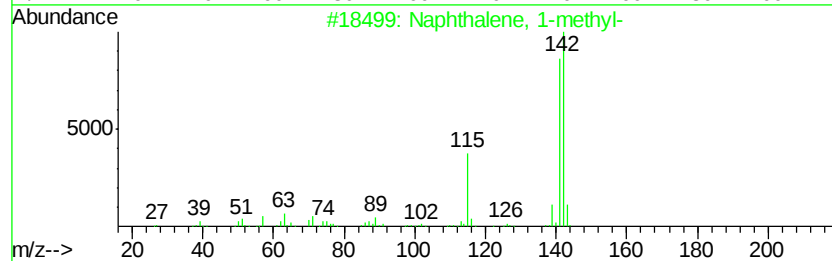
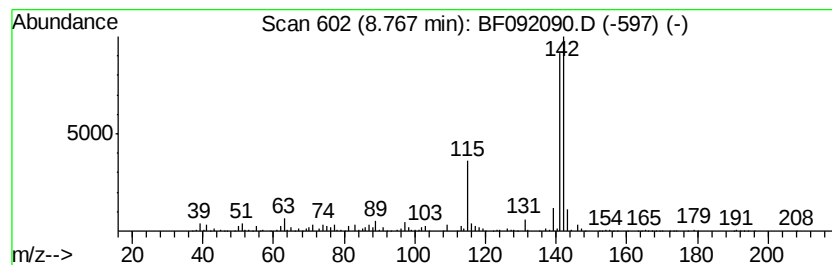
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	30.24 ng	3530810	Naphthalene-d8	7.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3		Benzocycloheptatriene	142	C11H10	000264-09-5	90
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
Data File : BF092090.D
Acq On : 5 Jan 2017 1:32
Operator : UM/SJ
Sample : I1004-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

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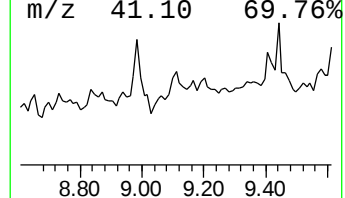
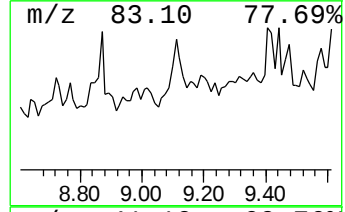
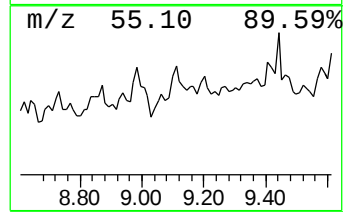
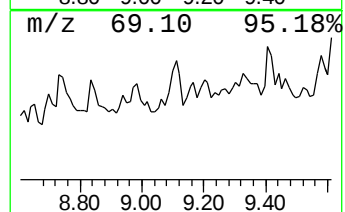
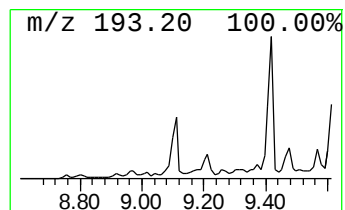
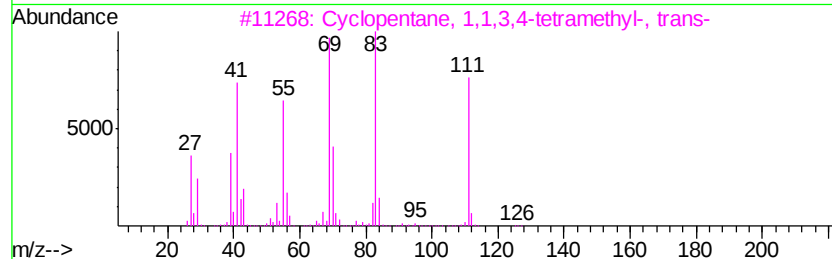
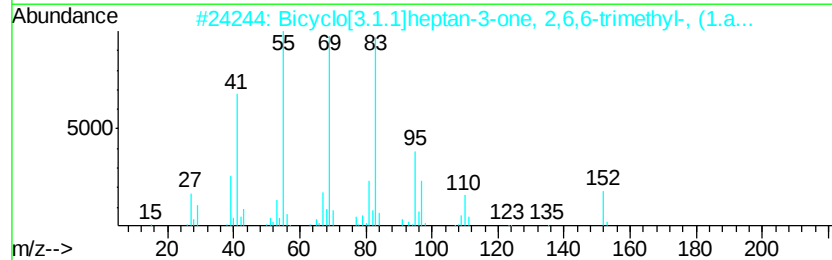
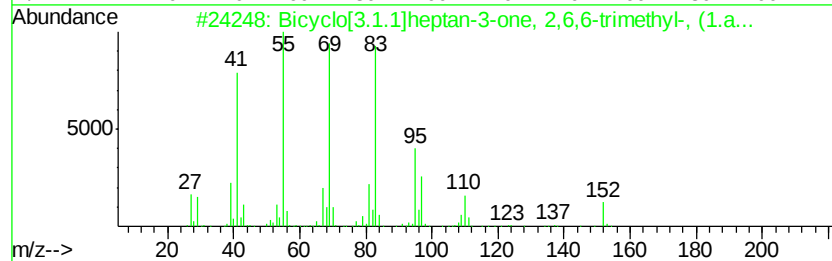
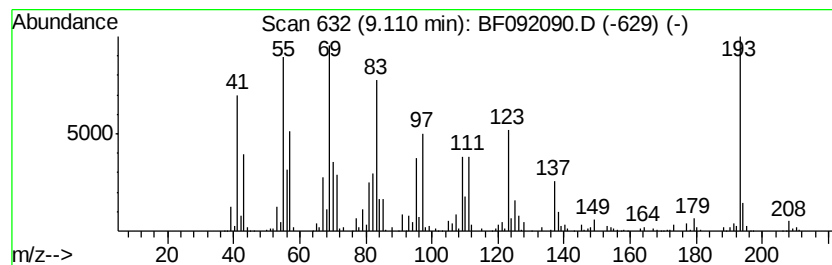
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown9.11 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	18.16 ng	2471250	Acenaphthene-d10	9.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	35
2		Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	35
3		Cyclopentane, 1,1,3,4-tetramethyl...	126	C9H18	020309-77-7	27
4		2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	27
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	20



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\
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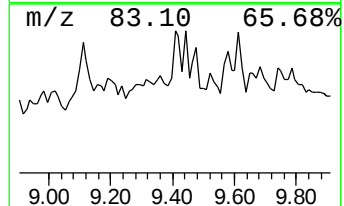
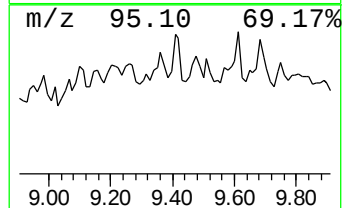
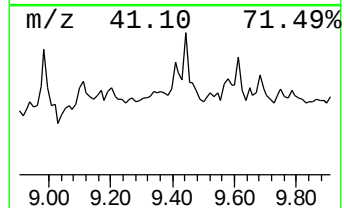
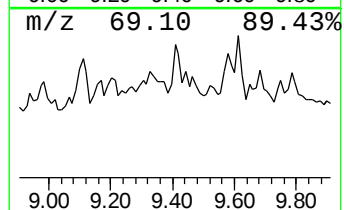
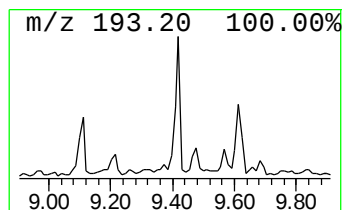
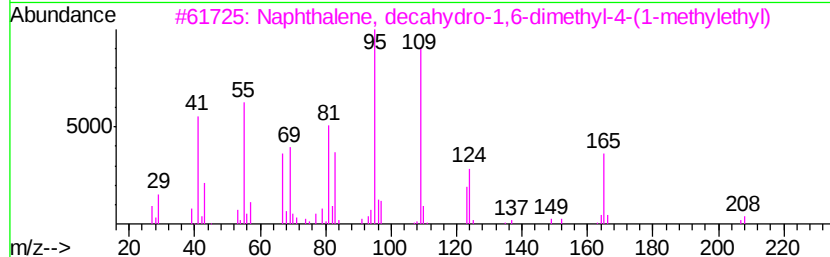
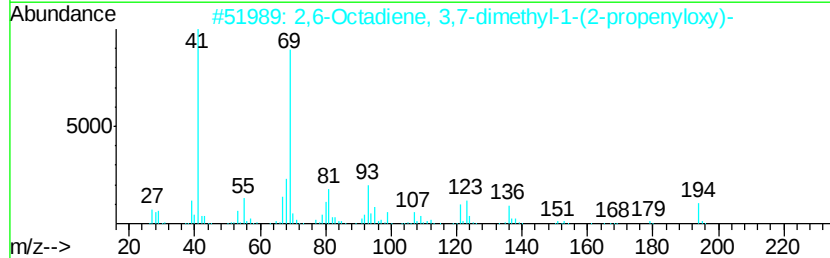
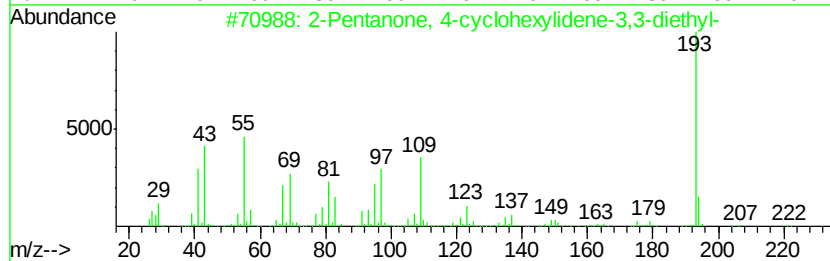
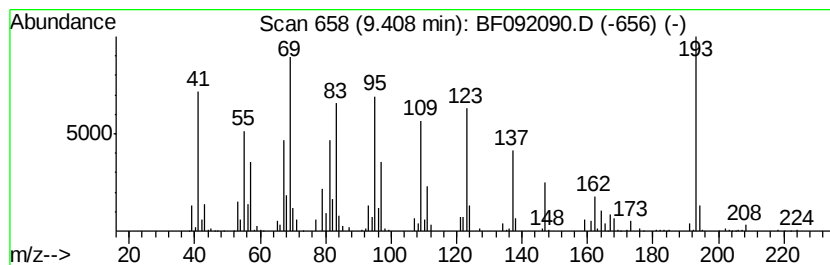
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown9.41 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	14.41 ng	1961650	Acenaphthene-d10	9.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	27
2		2,6-Octadiene, 3,7-dimethyl-1-(2...	194	C13H22O	139694-23-8	25
3		Naphthalene, decahydro-1,6-dimet...	208	C15H28	034315-85-0	25
4		Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	069147-03-1	18
5		6-Acetamido-1,4-benzodioxane	193	C10H11NO3	063546-19-0	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
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Acq On : 5 Jan 2017 1:32
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ClientSampleId :
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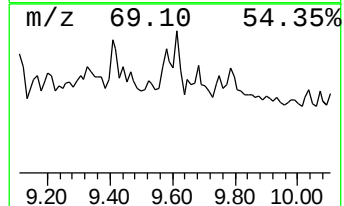
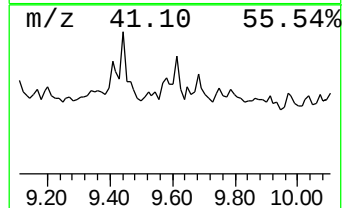
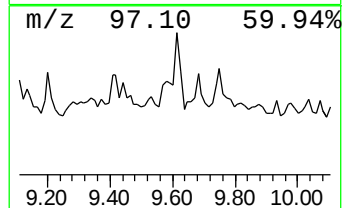
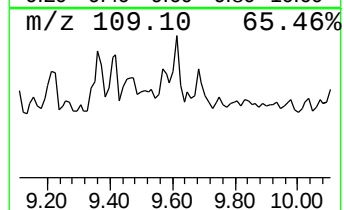
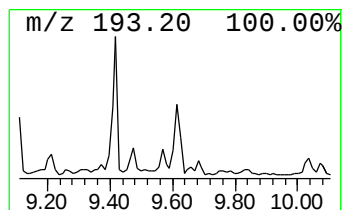
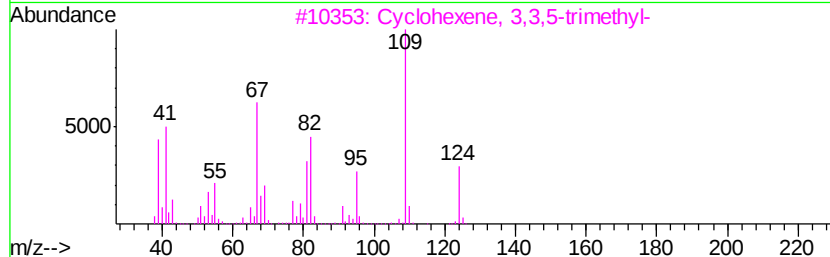
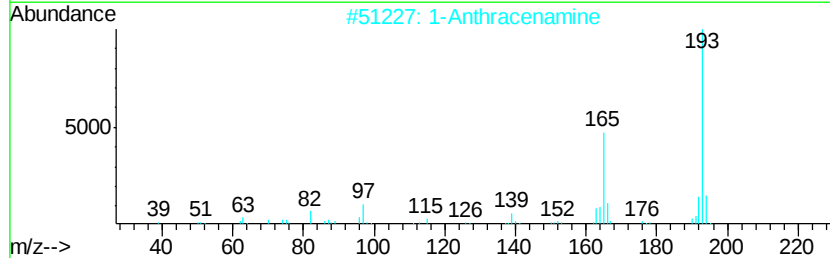
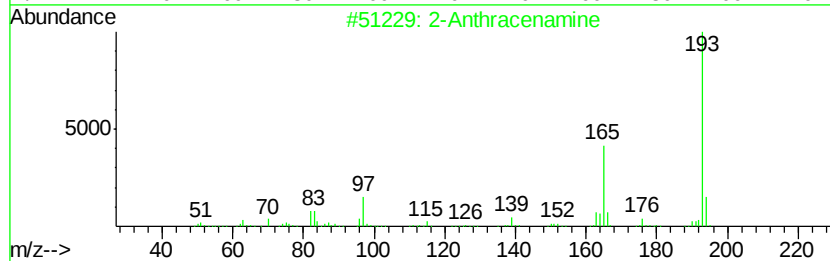
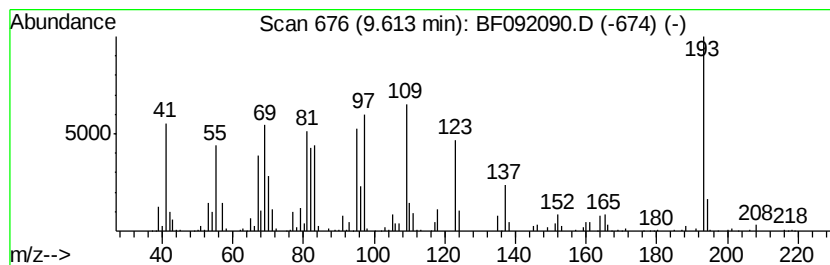
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown9.61 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	13.06 ng	1776930	Acenaphthene-d10	9.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Anthracenamine	193	C14H11N	000613-13-8	30
2			1-Anthracenamine	193	C14H11N	000610-49-1	27
3			Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	25
4			6-Acetamido-1,4-benzodioxane	193	C10H11NO3	063546-19-0	22
5			Benzonitrile, 2-(4-methylphenyl)-	193	C14H11N	114772-53-1	18



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010417\
Data File : BF092090.D
Acq On : 5 Jan 2017 1:32
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ClientSampleId :
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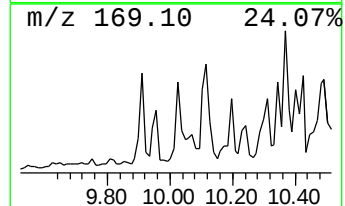
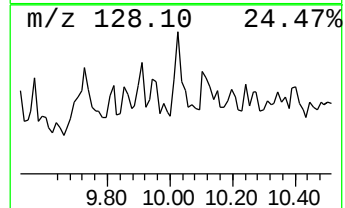
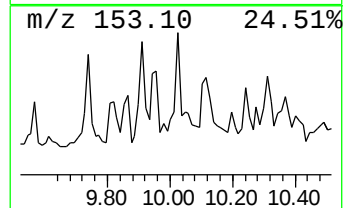
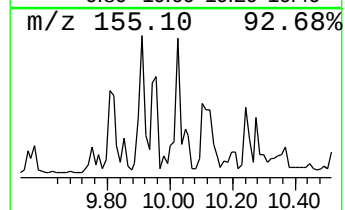
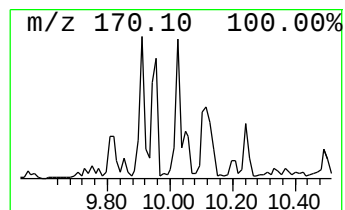
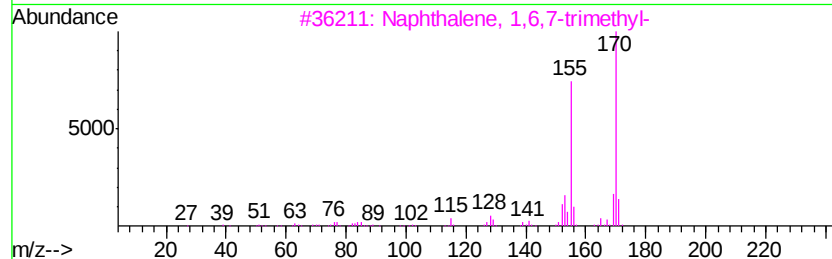
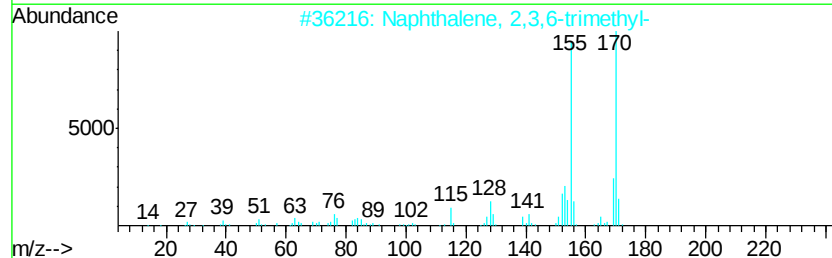
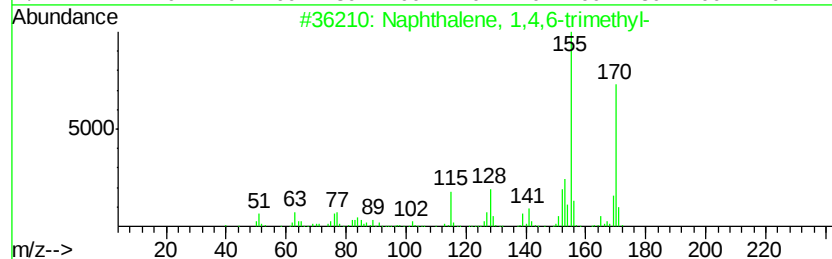
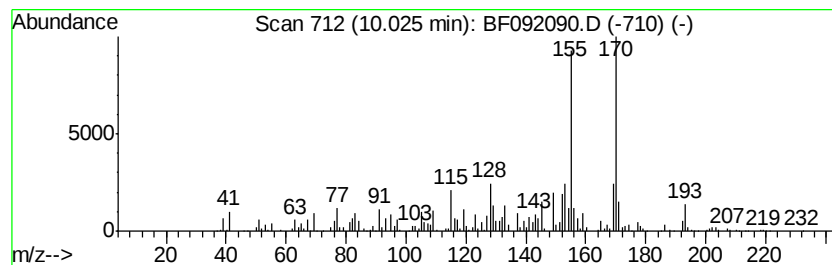
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1,4,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	10.28 ng	1399370	Acenaphthene-d10	9.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94
5		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
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Sample : I1004-14
Misc :
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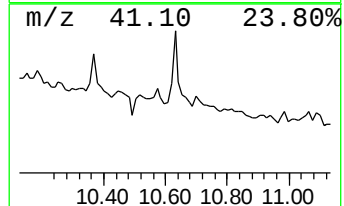
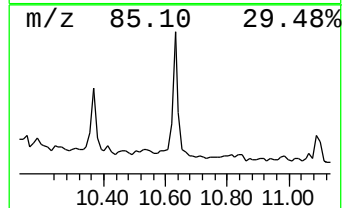
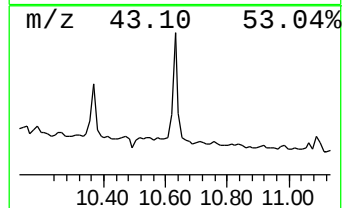
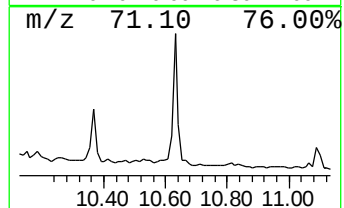
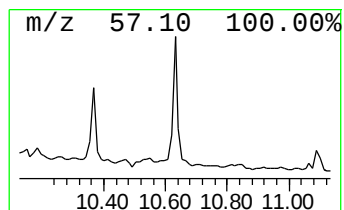
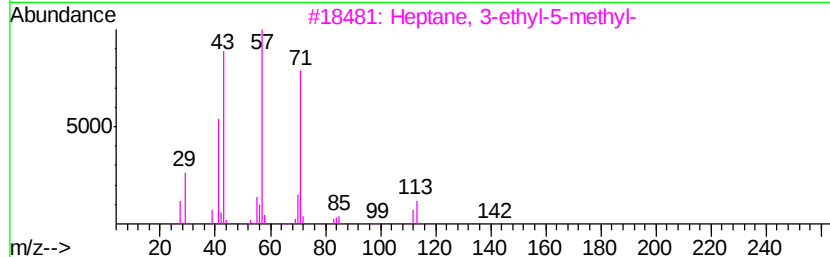
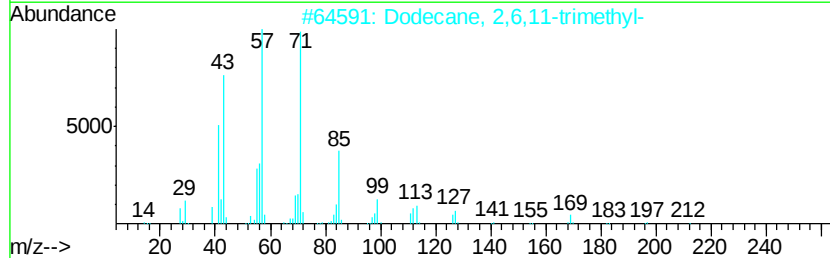
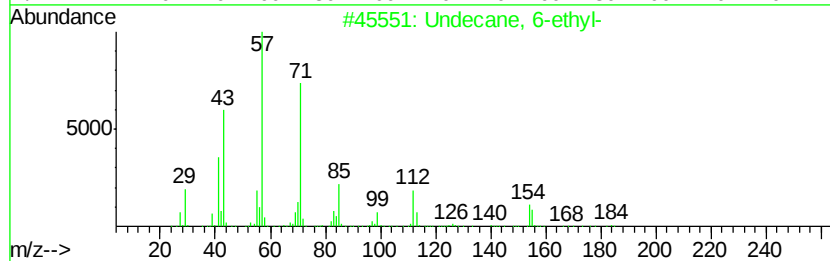
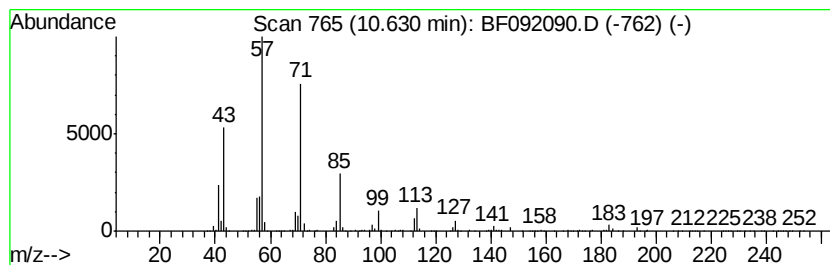
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Undecane, 6-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.63	56.97 ng	3033460	Phenanthrene-d10		11.18
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-ethyl-	184	C13H28	017312-60-6	90
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
3	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	68
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	68
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64



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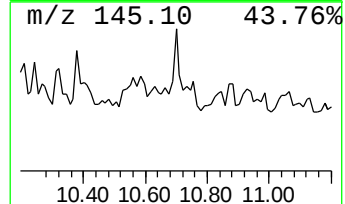
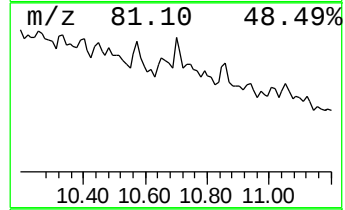
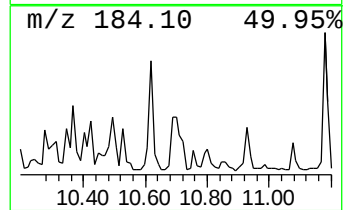
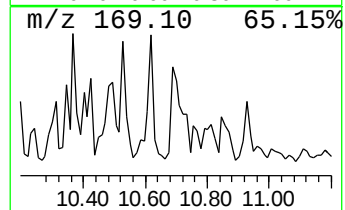
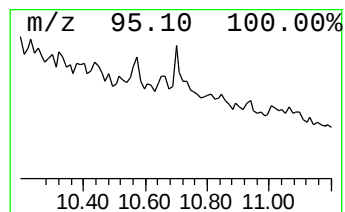
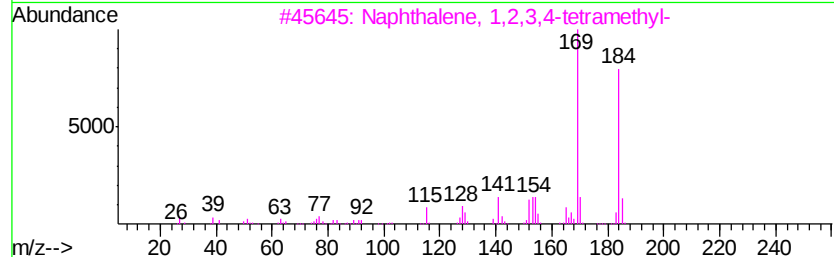
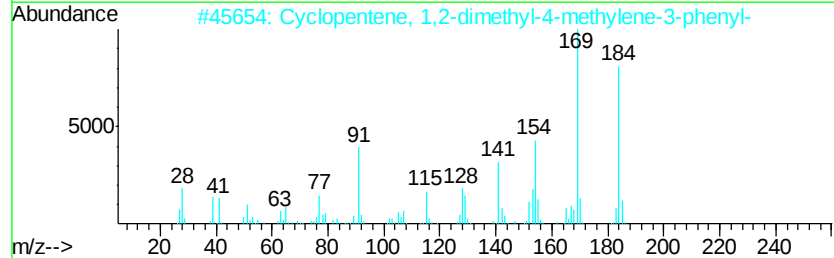
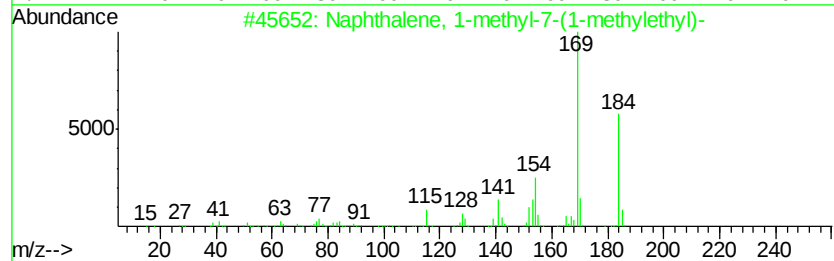
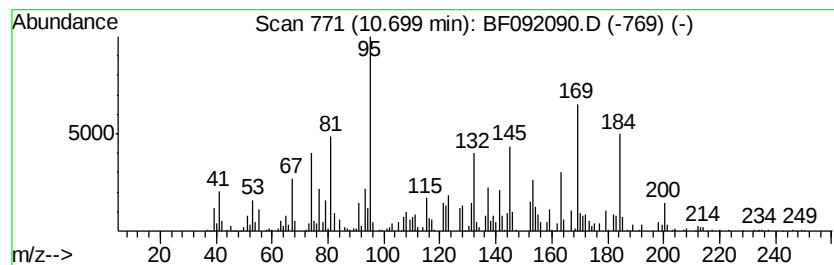
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 1-methyl-7-(1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	24.71 ng	1315590	Phenanthrene-d10	11.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-7-(1-methyl-...	184	C14H16	000490-65-3	50
2		Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	38
3		Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	30
4		3-Benzo[b]furancarboxamide, 7a-m...	197	C10H15NO3	1000254-11-8	22
5		3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	18



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ALS Vial : 19 Sample Multiplier: 1

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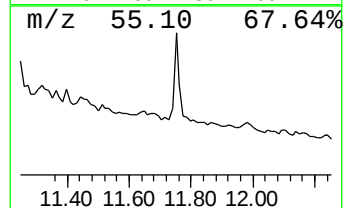
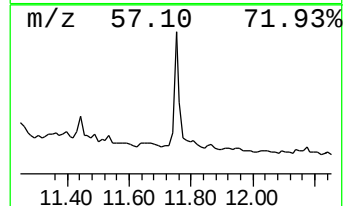
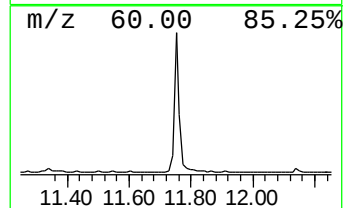
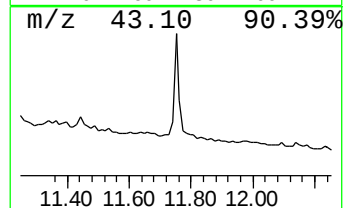
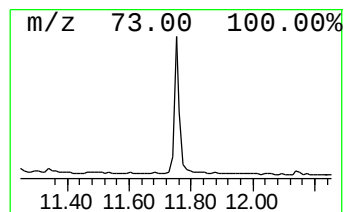
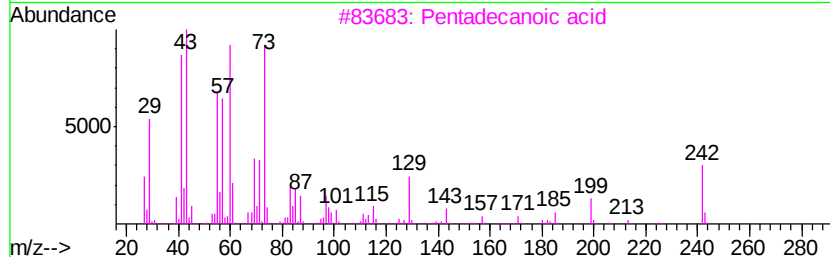
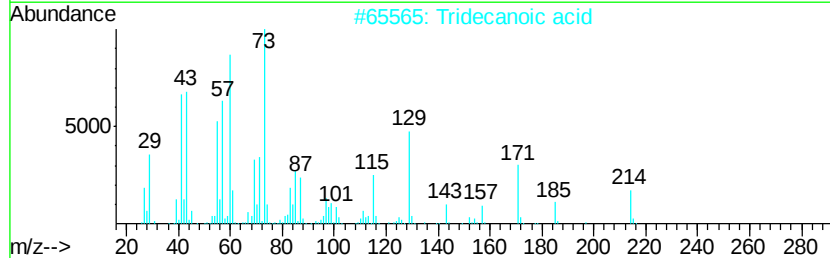
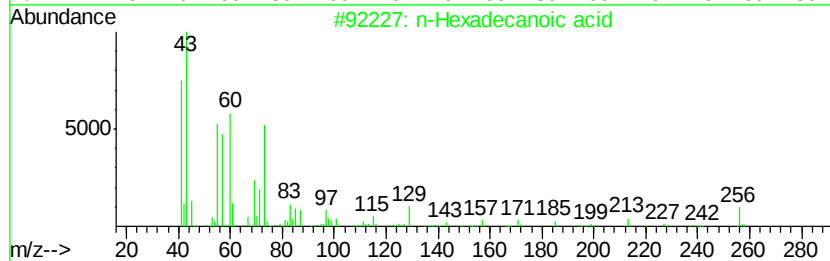
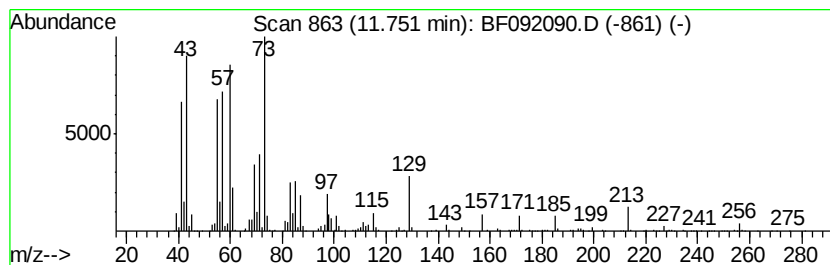
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	34.22 ng	1822130	Phenanthrene-d10	11.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2		Tridecanoic acid	214	C13H26O2	000638-53-9	93
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4		Undecane, 2-methyl-	170	C12H26	007045-71-8	25
5		Silane, trichlorodocosyl-	442	C22H45Cl3Si	007325-84-0	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
Data File : BF092090.D
Acq On : 5 Jan 2017 1:32
Operator : UM/SJ
Sample : I1004-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-34

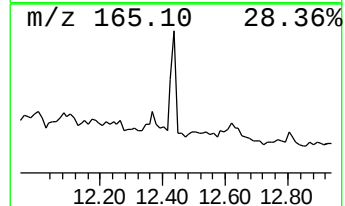
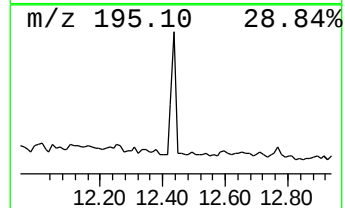
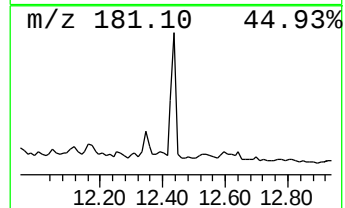
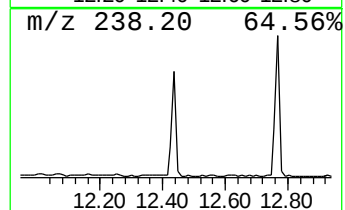
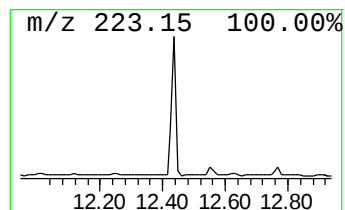
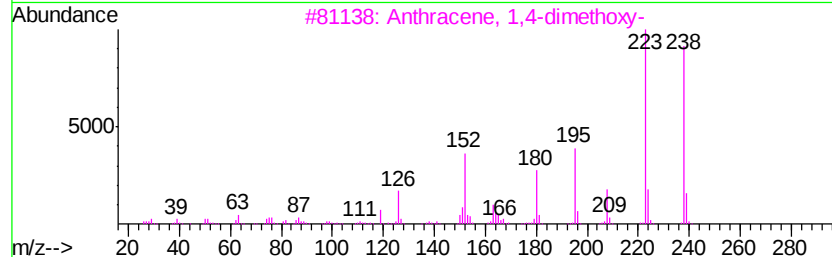
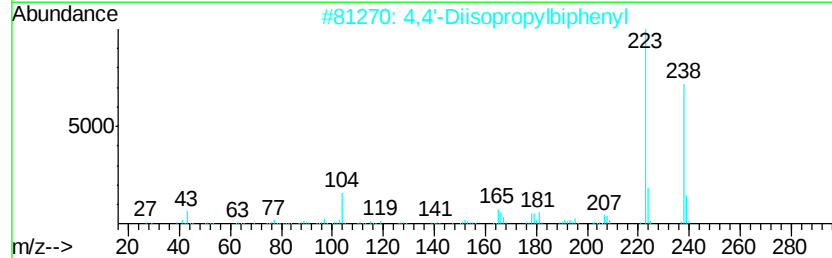
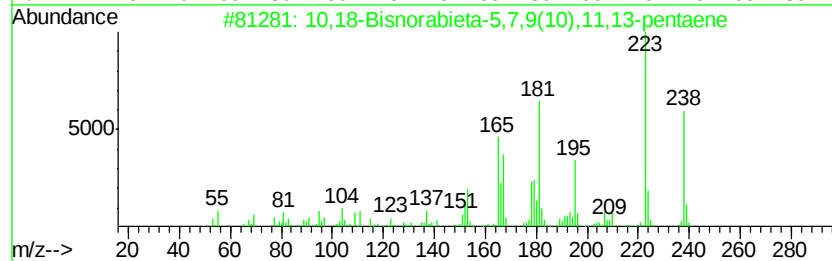
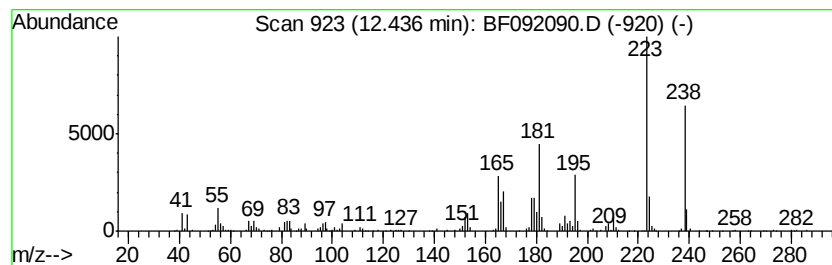
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	13.17 ng	701275	Phenanthrene-d10	11.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2		4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	62
3		Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	50
4		2-Propenoic acid, 3-(3,4,5-trime...	238	C12H14O5	000090-50-6	49
5		Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
Data File : BF092090.D
Acq On : 5 Jan 2017 1:32
Operator : UM/SJ
Sample : I1004-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-34

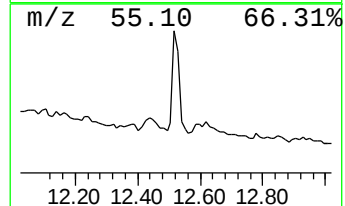
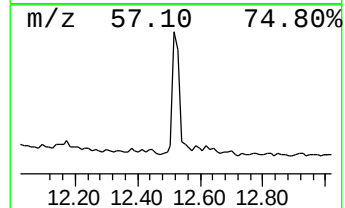
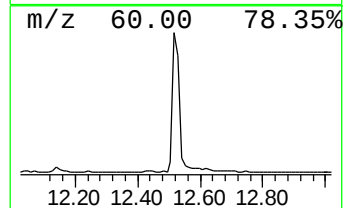
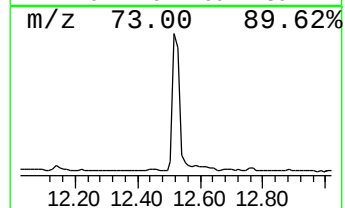
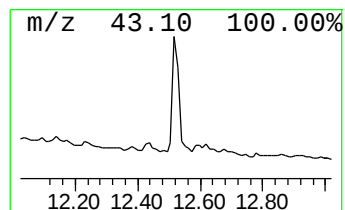
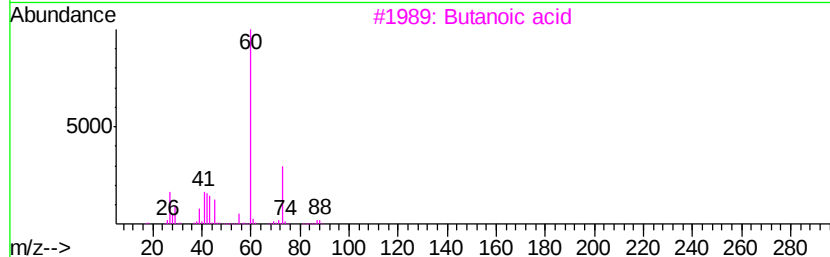
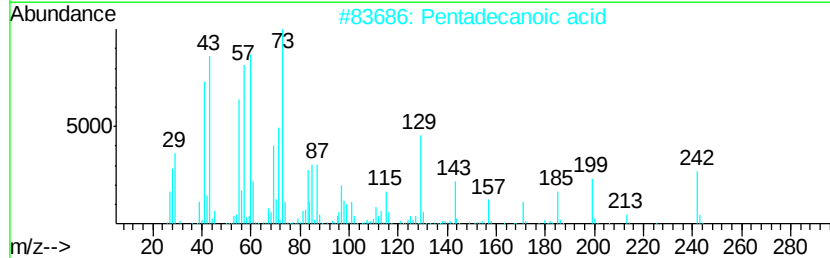
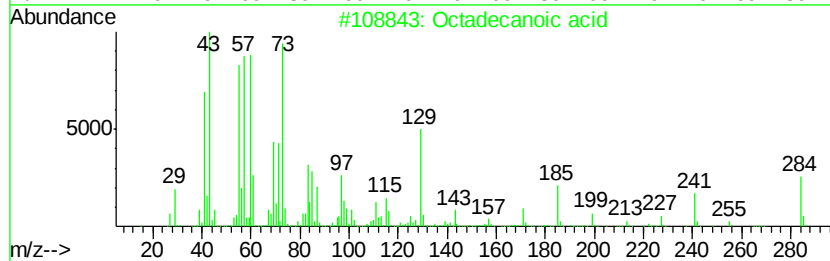
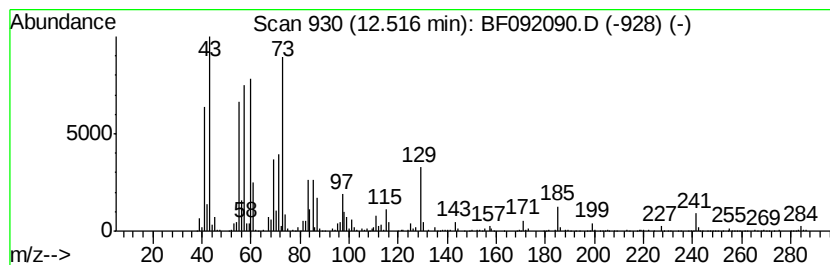
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	18.30 ng	1182830	Chrysene-d12	13.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	94
3		Butanoic acid	88	C4H8O2	000107-92-6	27
4		Decane, 1-iodo-	268	C10H21I	002050-77-3	25
5		Undecane	156	C11H24	001120-21-4	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010417\
 Data File : BF092090.D
 Acq On : 5 Jan 2017 1:32
 Operator : UM/SJ
 Sample : I1004-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-34

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.79	12.7	ng	1154200	1	6.66	1822930	20.0
unknown6.44	6.44	39.6	ng	3605430	1	6.66	1822930	20.0
Benzene, 1,2,4,5-...	7.44	13.6	ng	1583470	2	7.94	2335220	20.0
trans-Decalin, 2-...	7.59	13.3	ng	1555390	2	7.94	2335220	20.0
2,4-Dimethylstyrene	7.69	21.3	ng	2489200	2	7.94	2335220	20.0
unknown7.84	7.84	10.6	ng	1234480	2	7.94	2335220	20.0
unknown8.24	8.24	18.1	ng	2109000	2	7.94	2335220	20.0
Octane, 2,3,6-tri...	8.39	31.1	ng	3630670	2	7.94	2335220	20.0
unknown8.57	8.57	10.7	ng	1253190	2	7.94	2335220	20.0
Naphthalene, 1-me...	8.77	30.2	ng	3530810	2	7.94	2335220	20.0
unknown9.11	9.11	18.2	ng	2471250	3	9.70	2721990	20.0
unknown9.41	9.41	14.4	ng	1961650	3	9.70	2721990	20.0
unknown9.61	9.61	13.1	ng	1776930	3	9.70	2721990	20.0
Naphthalene, 1,4,...	10.02	10.3	ng	1399370	3	9.70	2721990	20.0
Undecane, 6-ethyl-	10.63	57.0	ng	3033460	4	11.18	1064910	20.0
Naphthalene, 1-me...	10.70	24.7	ng	1315590	4	11.18	1064910	20.0
n-Hexadecanoic acid	11.75	34.2	ng	1822130	4	11.18	1064910	20.0
10,18-Bisnorabiet...	12.44	13.2	ng	701275	4	11.18	1064910	20.0
Octadecanoic acid	12.52	18.3	ng	1182830	5	13.81	1292700	20.0