

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
 Data File : BG038567.D
 Acq On : 14 Dec 2018 13:47
 Operator : JU/SJ
 Sample : J6319-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 055_BT-1-1

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.048	156	163	166	rBV5	73608	156626	4.17%	0.216%
2	4.095	166	171	181	rVB4	148613	367730	9.80%	0.507%
3	4.195	181	188	197	rBV2	191208	391129	10.42%	0.539%
4	4.278	197	202	211	rVB4	88875	183482	4.89%	0.253%
5	4.383	211	220	224	rBV	228772	440006	11.72%	0.607%
6	4.513	238	242	250	rVB4	141391	290668	7.75%	0.401%
7	4.671	264	269	278	rBV2	157479	370574	9.87%	0.511%
8	4.753	278	283	287	rBV	120692	179700	4.79%	0.248%
9	4.836	294	297	308	rVB	98860	189065	5.04%	0.261%
10	4.947	308	316	323	rBV	313016	654916	17.45%	0.903%
11	5.041	328	332	337	rBV	208181	319580	8.52%	0.441%
12	5.165	349	353	357	rVB2	181563	250166	6.67%	0.345%
13	5.218	357	362	367	rBV	367178	583182	15.54%	0.804%
14	5.276	367	372	378	rVB4	104848	220209	5.87%	0.304%
15	5.370	384	388	391	rBV	172042	249010	6.64%	0.343%
16	5.459	398	403	406	rBV	525076	915564	24.40%	1.263%
17	5.600	418	427	435	rVB2	698290	1531469	40.81%	2.112%
18	5.829	456	466	471	rBV4	191882	435350	11.60%	0.600%
19	5.899	471	478	487	rVV4	261497	694699	18.51%	0.958%
20	5.981	487	492	499	rVV	439000	909578	24.24%	1.255%
21	6.046	499	503	510	rVB	238005	420786	11.21%	0.580%
22	6.122	510	516	522	rVB5	127966	275006	7.33%	0.379%
23	6.187	522	527	531	rBV3	79468	161970	4.32%	0.223%
24	6.293	538	545	552	rBV3	423536	1307547	34.84%	1.803%
25	6.404	558	564	575	rVB	361243	823315	21.94%	1.136%
26	6.498	575	580	582	rBV2	257425	424635	11.31%	0.586%
27	6.575	589	593	598	rVB	757641	1197922	31.92%	1.652%
28	6.669	603	609	619	rVB3	719455	1819566	48.48%	2.510%
29	6.781	625	628	633	rVB2	116940	156074	4.16%	0.215%
30	6.845	635	639	644	rVB5	155154	264527	7.05%	0.365%
31	6.916	644	651	657	rBV4	269216	693593	18.48%	0.957%
32	6.974	657	661	663	rBV	170669	249272	6.64%	0.344%
33	7.016	663	668	673	rVV2	829958	1503460	40.06%	2.074%
34	7.068	673	677	682	rVB	647376	999266	26.63%	1.378%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.121	682	686	690	rBV4	159839	245412	6.54%	0.338%
36	7.180	690	696	710	rVB2	1012311	2562883	68.29%	3.535%
37	7.356	717	726	732	rBV3	201883	557545	14.86%	0.769%
38	7.421	733	737	741	rBV4	107900	159498	4.25%	0.220%
39	7.480	743	747	750	rBV	141833	212870	5.67%	0.294%
40	7.521	750	754	761	rVV3	278896	551227	14.69%	0.760%
41	7.591	761	766	772	rVB2	429094	764655	20.37%	1.055%
42	7.650	772	776	783	rVB2	190490	373504	9.95%	0.515%
43	7.756	790	794	798	rVB3	159793	229719	6.12%	0.317%
44	7.815	798	804	808	rBV3	301816	534750	14.25%	0.738%
45	7.914	815	821	822	rBV5	186628	303180	8.08%	0.418%
46	7.944	823	826	831	rVV5	275531	525118	13.99%	0.724%
47	8.003	831	836	842	rVB	775502	1311612	34.95%	1.809%
48	8.097	843	852	859	rVB2	245346	806902	21.50%	1.113%
49	8.167	859	864	867	rBV4	109043	220182	5.87%	0.304%
50	8.214	867	872	878	rVB2	311800	506171	13.49%	0.698%
51	8.279	878	883	887	rBV2	228949	361771	9.64%	0.499%
52	8.332	887	892	897	rBV4	331461	716354	19.09%	0.988%
53	8.437	906	910	916	rBV2	172078	320089	8.53%	0.441%
54	8.543	922	928	934	rBV3	730936	1556303	41.47%	2.147%
55	8.614	934	940	947	rVB3	428429	886105	23.61%	1.222%
56	8.690	947	953	959	rBV2	799593	1506087	40.13%	2.077%
57	8.796	965	971	980	rVB	420319	828866	22.09%	1.143%
58	8.890	981	987	993	rBV3	322158	689379	18.37%	0.951%
59	9.160	1020	1033	1042	rBV	1682279	3752971	100.00%	5.176%
60	9.248	1042	1048	1055	rVB3	1121106	2031657	54.13%	2.802%
61	9.401	1062	1074	1080	rBV9	280457	877250	23.37%	1.210%
62	9.507	1087	1092	1102	rVB4	245526	577057	15.38%	0.796%
63	9.683	1116	1122	1128	rVB2	956202	1775507	47.31%	2.449%
64	9.783	1135	1139	1147	rVB3	247431	552783	14.73%	0.762%
65	9.942	1161	1166	1169	rBV	281491	453178	12.08%	0.625%
66	10.047	1178	1184	1189	rBV4	391931	913354	24.34%	1.260%
67	10.118	1191	1196	1203	rVV4	735997	1740088	46.37%	2.400%
68	10.177	1203	1206	1214	rVB2	189831	365841	9.75%	0.505%
69	10.265	1214	1221	1227	rBV3	1211554	2424968	64.61%	3.345%
70	10.323	1227	1231	1235	rVV	288953	536455	14.29%	0.740%
71	10.365	1235	1238	1242	rVV	192497	261389	6.96%	0.361%

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72	10.441	1244	1251	1257	rVB2	350824	639257	17.03%	0.882%
73	10.558	1265	1271	1278	rVB	529696	933026	24.86%	1.287%
74	10.782	1306	1309	1312	rVV2	237814	424567	11.31%	0.586%
75	10.846	1312	1320	1325	rVV2	829224	2193744	58.45%	3.026%
76	10.905	1325	1330	1338	rVV5	531519	1464168	39.01%	2.019%
77	10.987	1338	1344	1351	rVB2	979120	1920695	51.18%	2.649%
78	11.075	1351	1359	1364	rBV3	396813	825703	22.00%	1.139%
79	11.228	1377	1385	1388	rBV4	139896	299231	7.97%	0.413%
80	11.269	1389	1392	1399	rVV3	150717	339546	9.05%	0.468%
81	11.340	1399	1404	1410	rVB4	157426	335121	8.93%	0.462%
82	11.463	1421	1425	1431	rBV3	131795	269755	7.19%	0.372%
83	11.534	1431	1437	1450	rVB5	352806	1258313	33.53%	1.736%
84	11.634	1450	1454	1458	rBV2	118394	205949	5.49%	0.284%
85	11.781	1470	1479	1485	rBV2	476855	1046965	27.90%	1.444%
86	11.851	1485	1491	1495	rVB3	237361	426026	11.35%	0.588%
87	11.974	1506	1512	1517	rVB	260147	464644	12.38%	0.641%
88	12.063	1522	1527	1533	rBV5	253103	566758	15.10%	0.782%
89	12.251	1553	1559	1566	rBV3	208573	510953	13.61%	0.705%
90	12.750	1633	1644	1651	rBV2	299628	675114	17.99%	0.931%
91	13.314	1734	1740	1749	rVB	473333	802724	21.39%	1.107%
92	14.695	1965	1975	1983	rBV2	241802	417937	11.14%	0.576%
93	16.181	2222	2228	2236	rBV	400794	644714	17.18%	0.889%
94	17.444	2436	2443	2447	rBV	299484	488719	13.02%	0.674%
95	19.489	2786	2791	2795	rBV	136792	207189	5.52%	0.286%
96	19.853	2849	2853	2860	rVB	137071	211020	5.62%	0.291%
97	20.041	2880	2885	2891	rVB	779016	1006663	26.82%	1.388%
98	21.722	3162	3171	3176	rBV3	318144	661607	17.63%	0.913%
99	23.966	3546	3553	3561	rBV3	51122	183255	4.88%	0.253%
100	25.018	3723	3732	3741	rVB	165979	458050	12.20%	0.632%

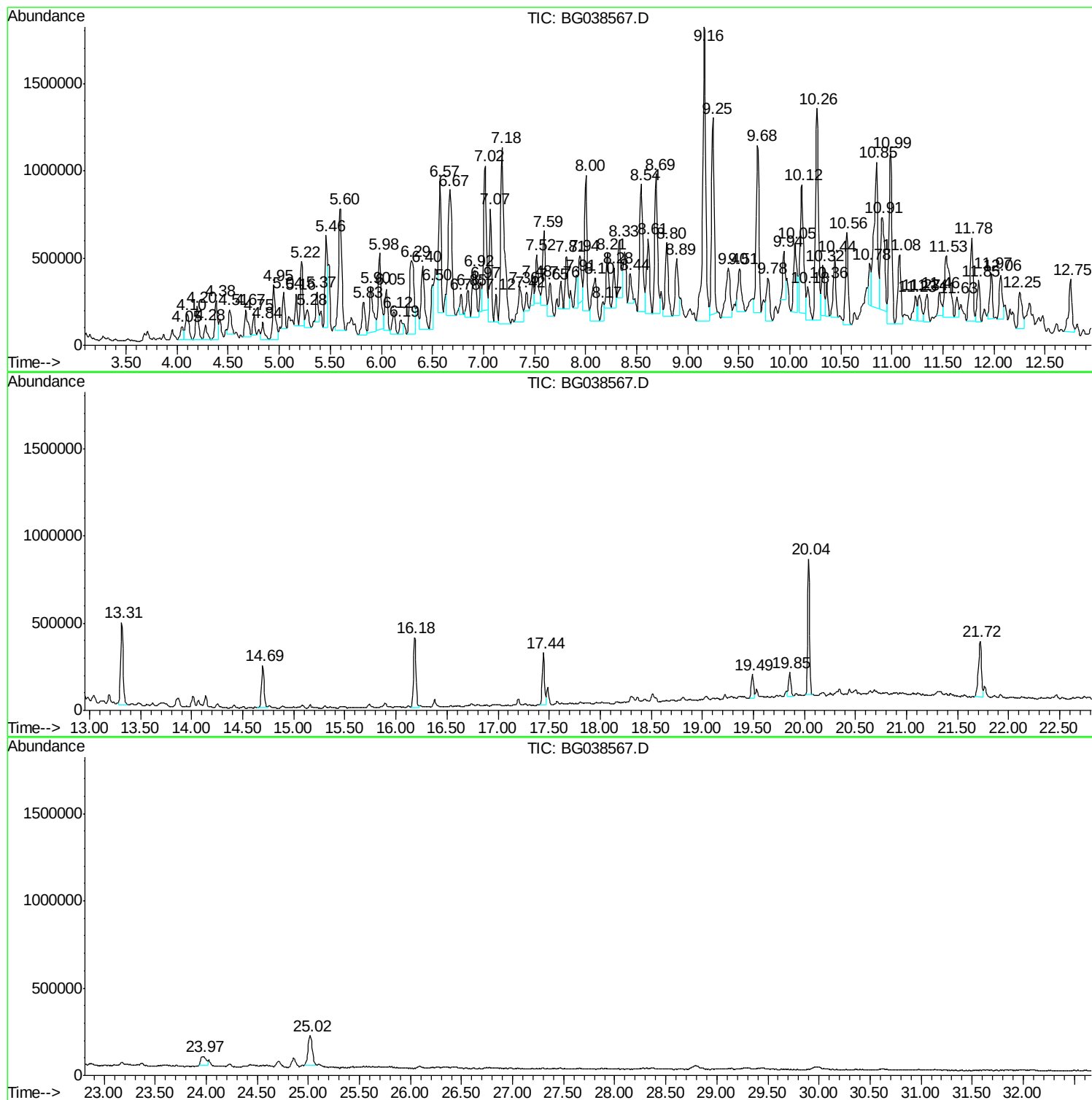
Sum of corrected areas: 72503735

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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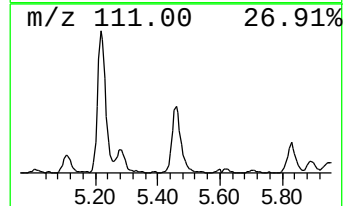
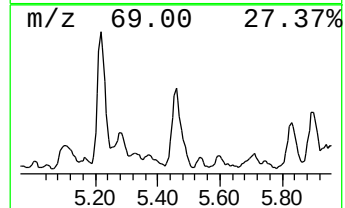
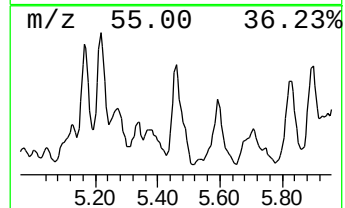
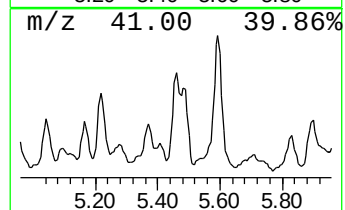
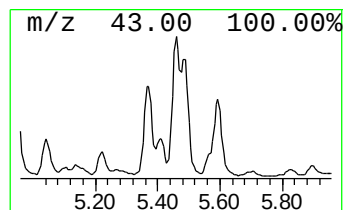
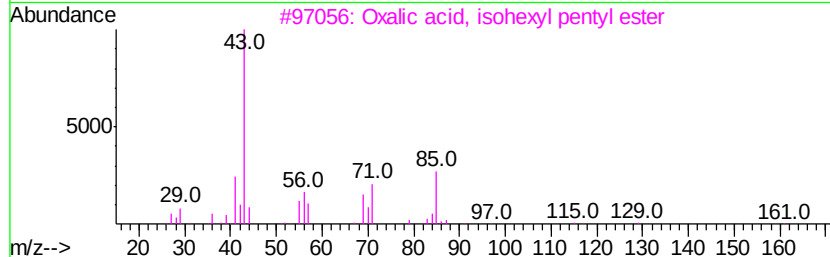
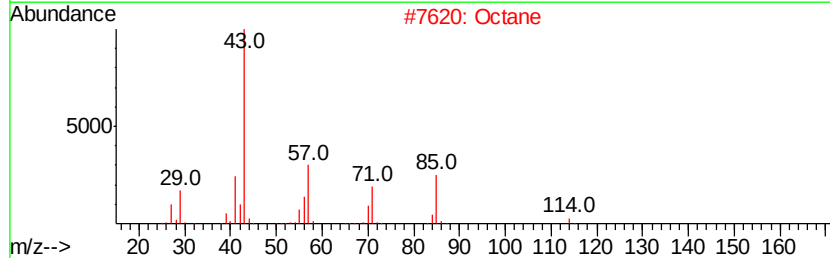
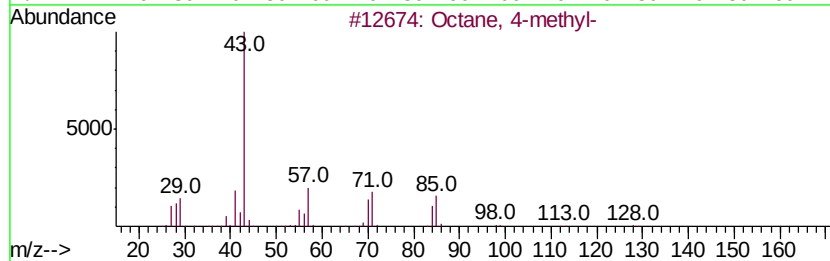
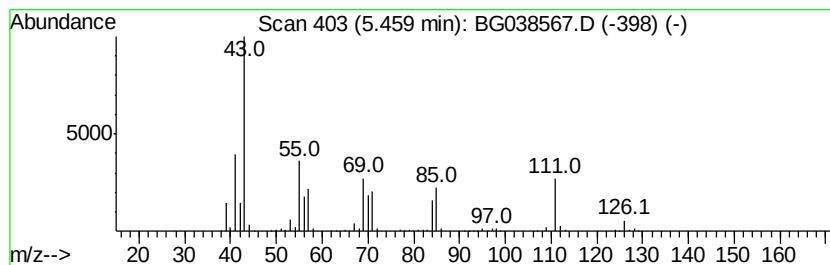
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Octane, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.46	22.69 ng	915564	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 4-methyl-	128	C9H20	002216-34-4	64
2		Octane	114	C8H18	000111-65-9	59
3		Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	59
4		Nonane	128	C9H20	000111-84-2	59
5		Hexane, 3-ethyl-	114	C8H18	000619-99-8	53



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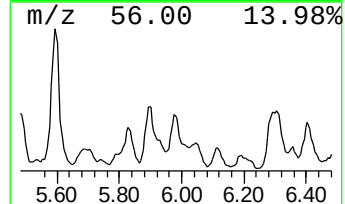
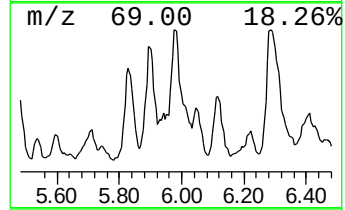
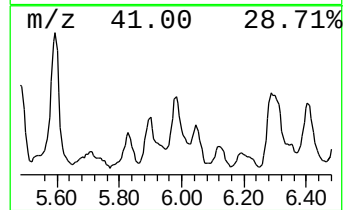
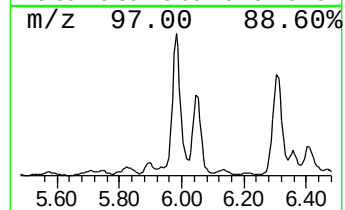
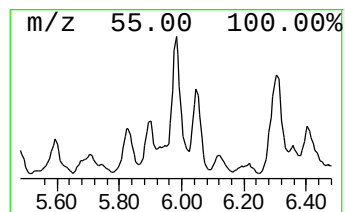
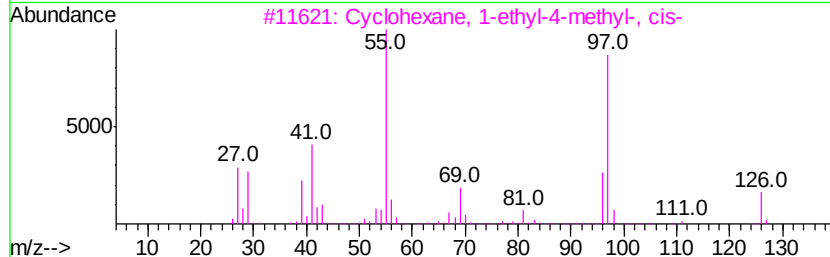
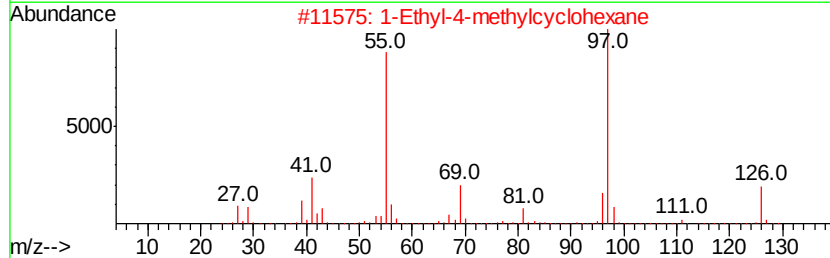
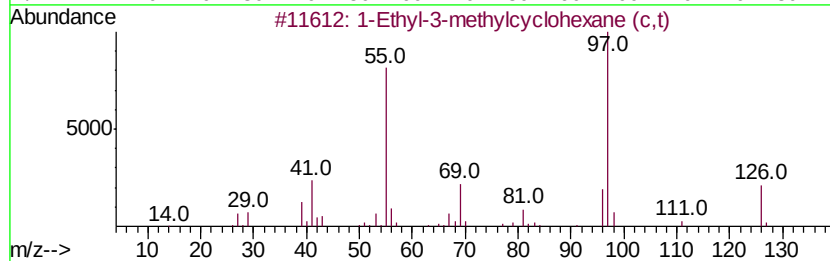
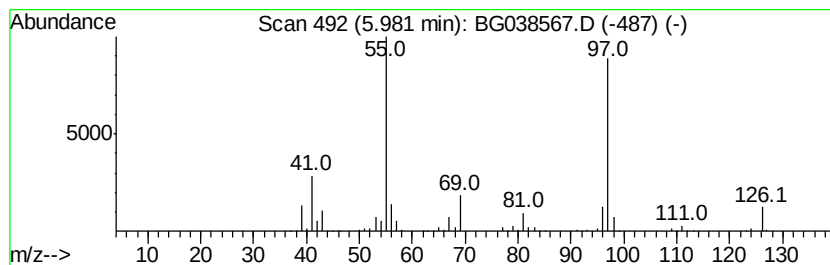
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1-Ethyl-3-methylcyclohexane... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	22.54 ng	909578	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
4		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	87
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	59



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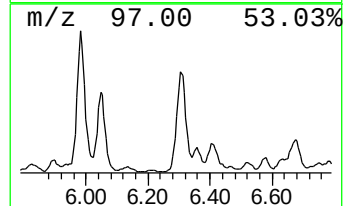
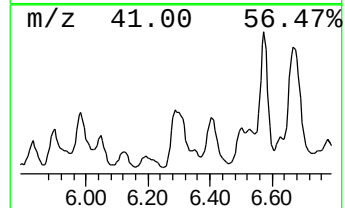
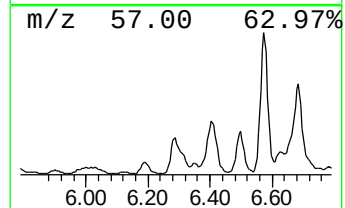
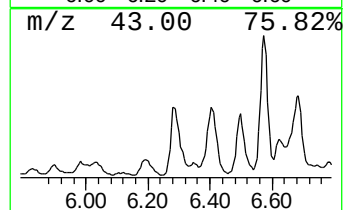
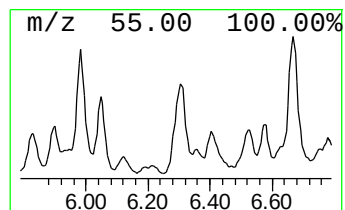
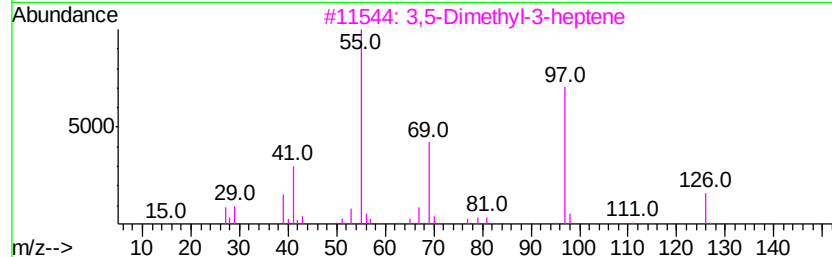
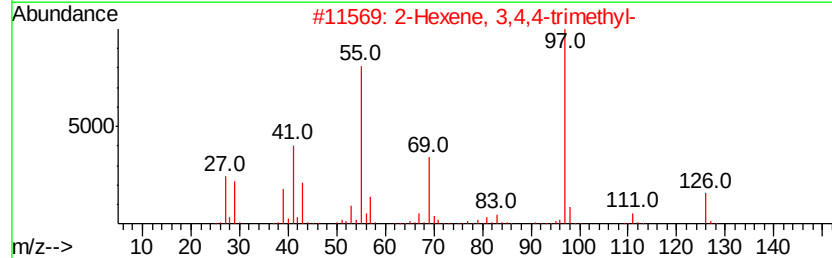
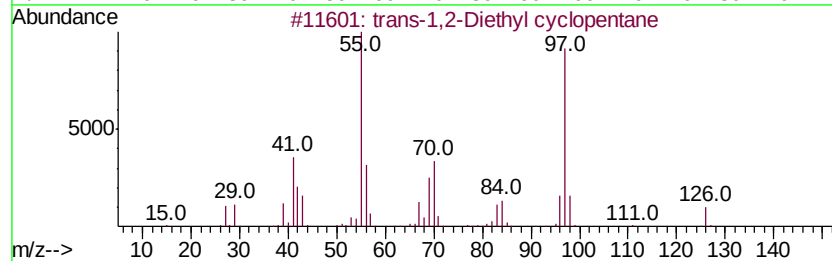
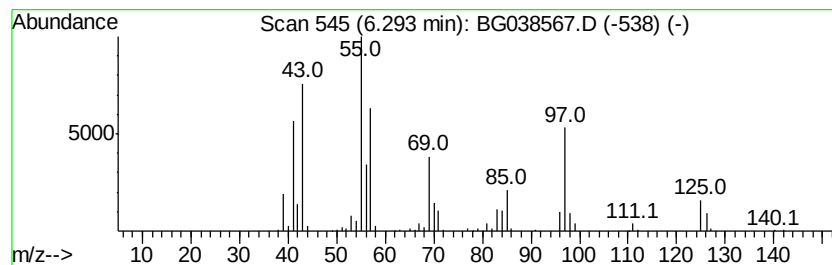
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Peak Number 3 trans-1,2-Diethyl cyclopentane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	32.41 ng	1307550	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	52
2		2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	43
3		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	43
4		trans--4-Nonene	126	C9H18	010405-85-3	42
5		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
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Sample : J6319-01
Misc :
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ClientSampleId :
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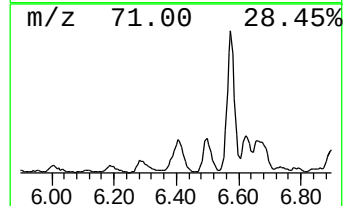
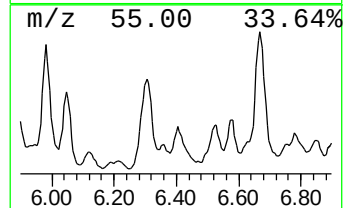
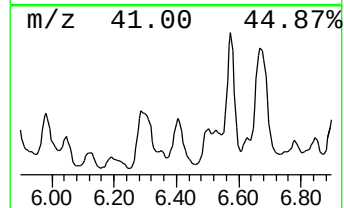
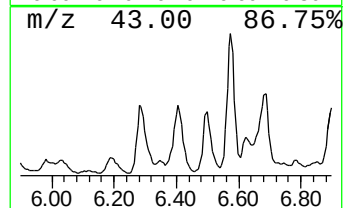
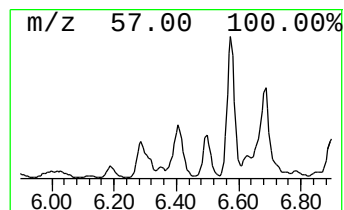
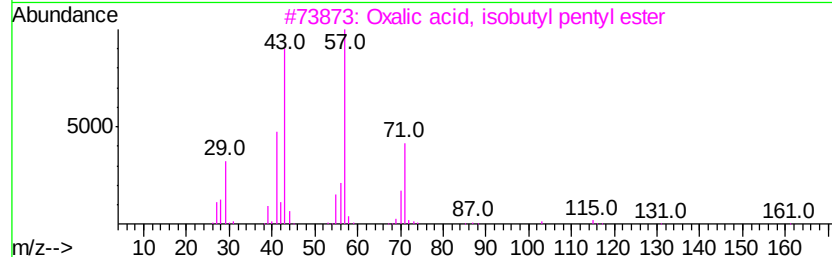
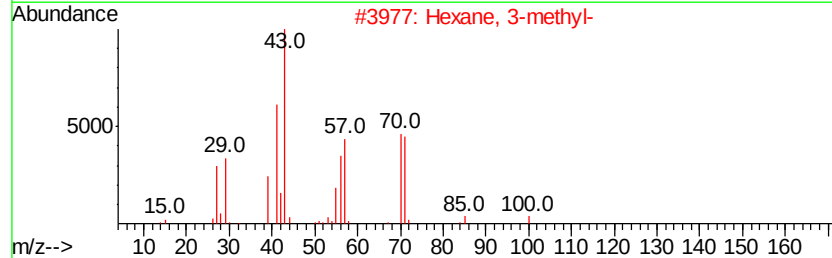
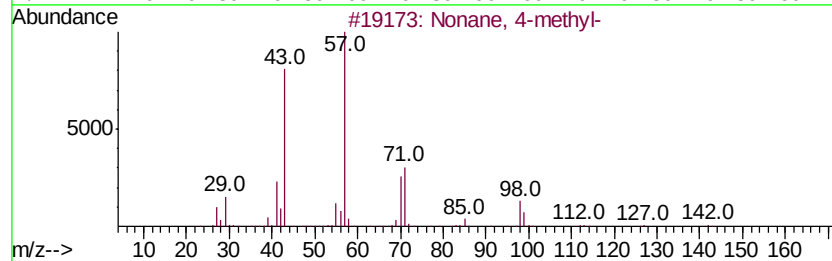
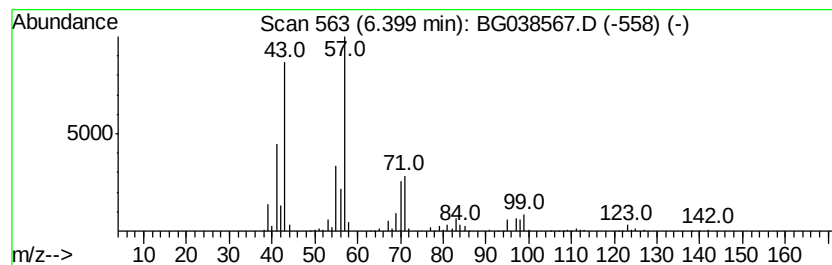
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Nonane, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	20.41 ng	823315	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	68
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	59
3		Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	59
4		Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53
5		1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
Acq On : 14 Dec 2018 13:47
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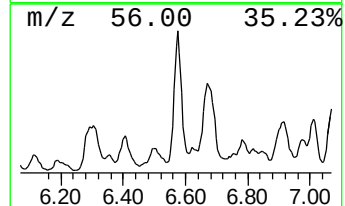
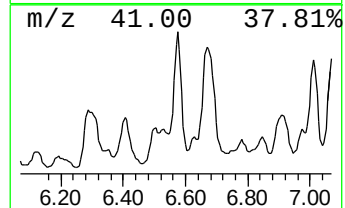
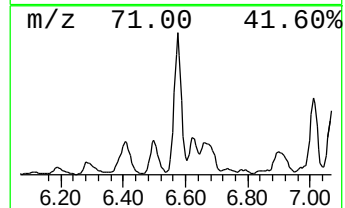
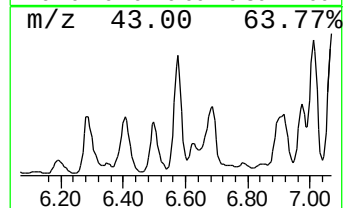
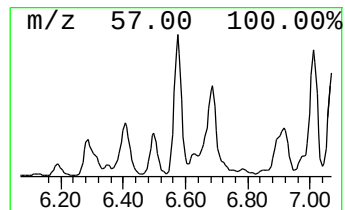
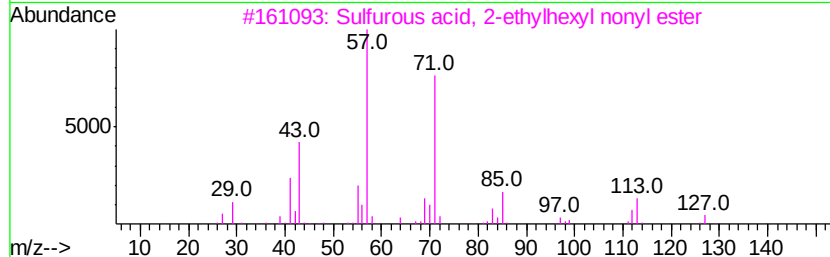
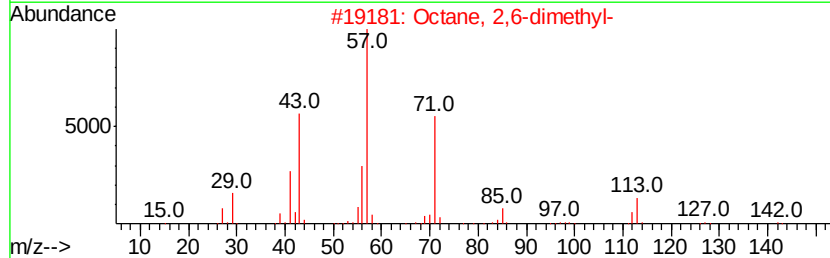
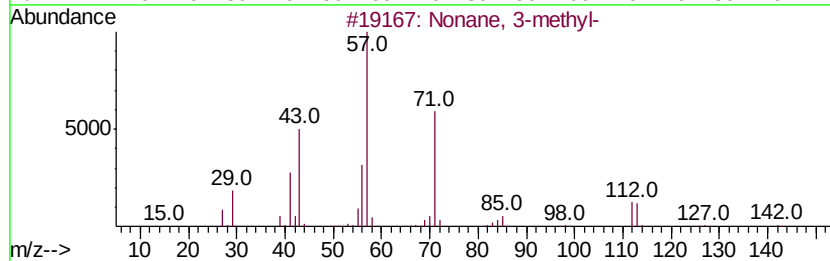
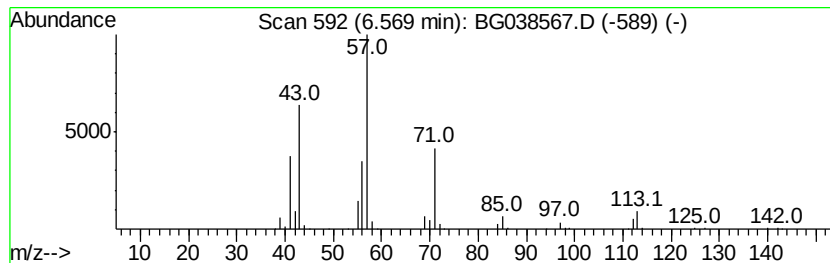
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Nonane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	29.69 ng	1197920	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
3		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64
4		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	59
5		Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
Acq On : 14 Dec 2018 13:47
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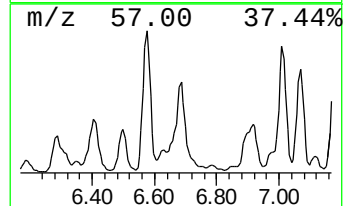
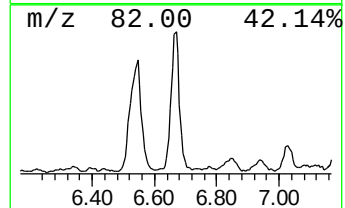
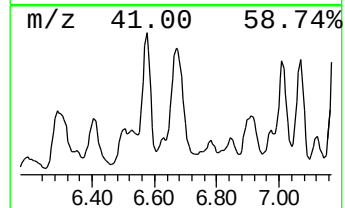
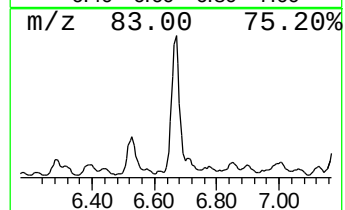
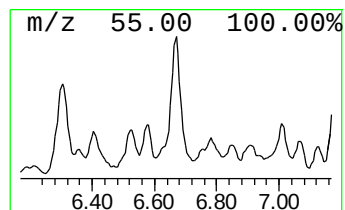
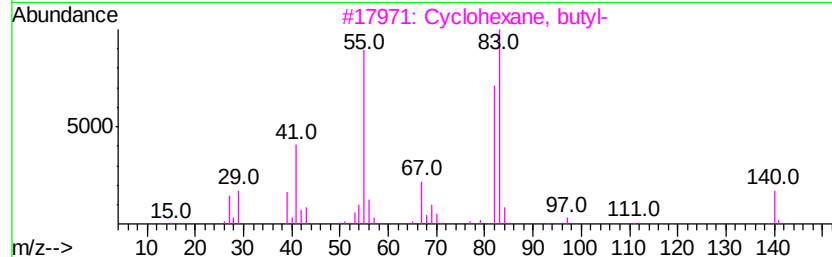
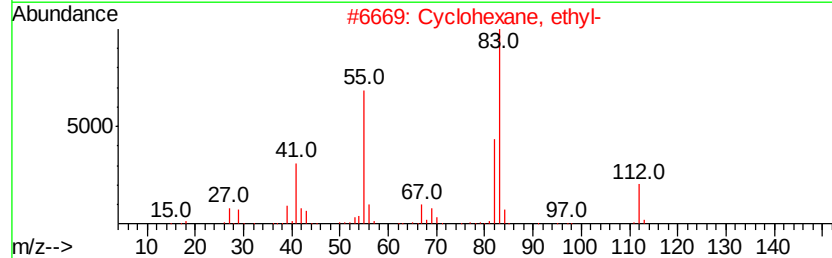
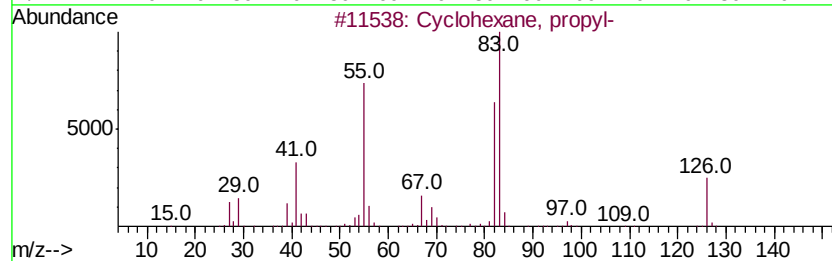
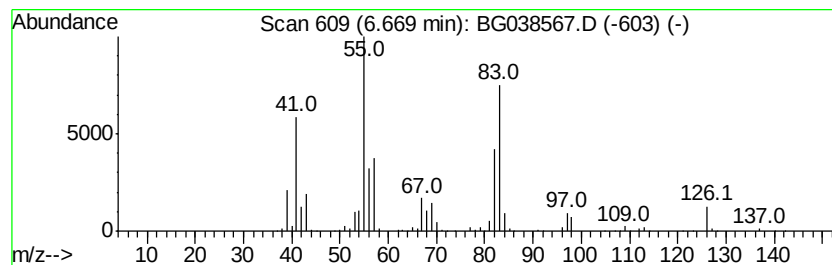
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclohexane, propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	45.10 ng	1819570	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	64
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	52
5		2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
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Sample : J6319-01
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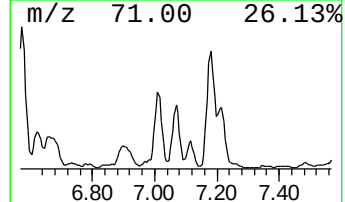
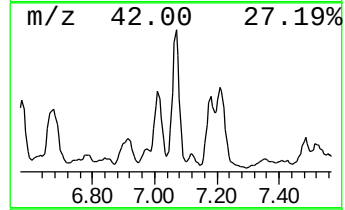
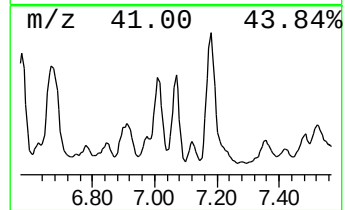
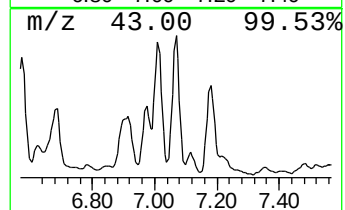
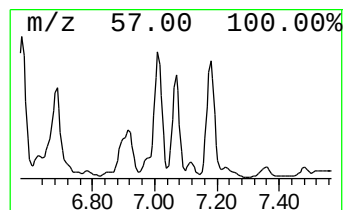
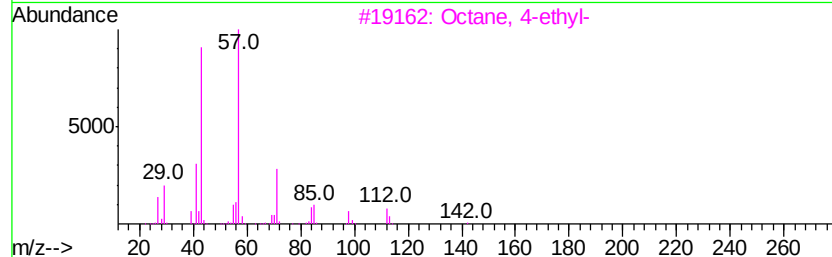
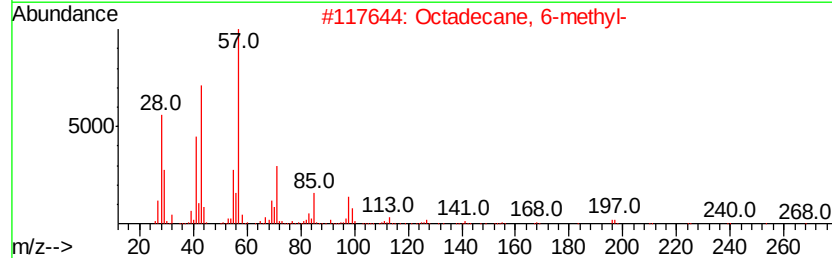
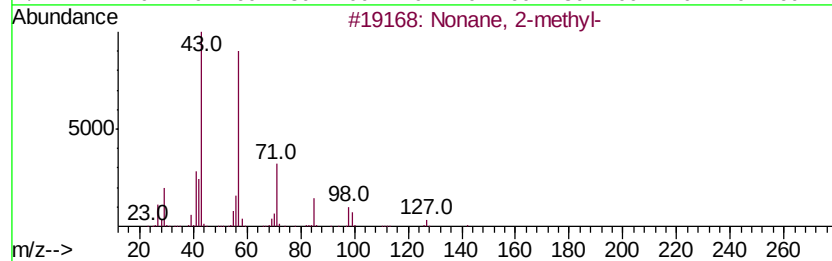
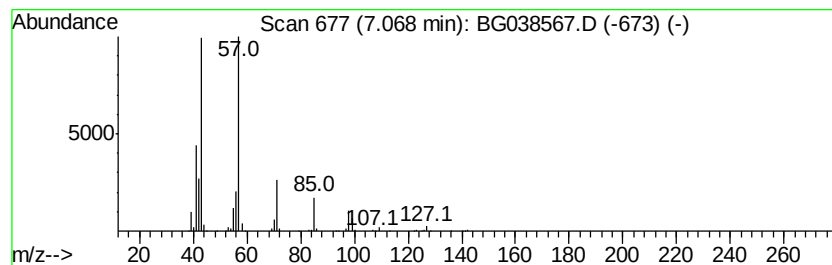
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Nonane, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	24.77 ng	999266	1,4-Dichlorobenzene-d4	8.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 2-methyl-	142 C10H22	000871-83-0	64
2	Octadecane, 6-methyl-	268 C19H40	010544-96-4	59
3	Octane, 4-ethyl-	142 C10H22	015869-86-0	58
4	Hexane, 3-ethyl-2,5-dimethyl-	142 C10H22	052897-04-8	53
5	2-Bromononane	206 C9H19Br	002216-35-5	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
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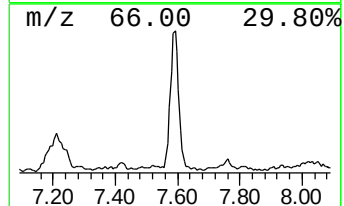
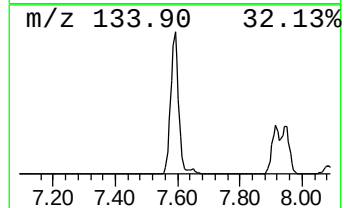
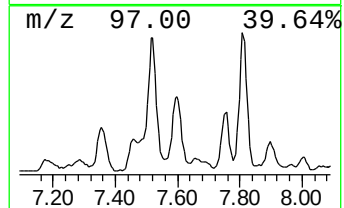
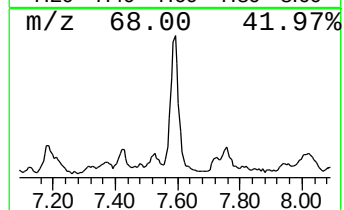
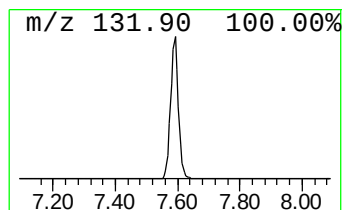
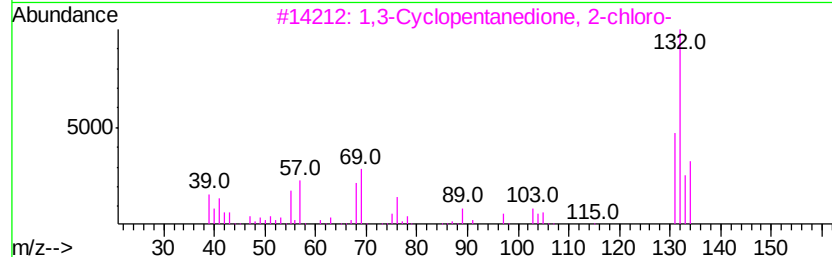
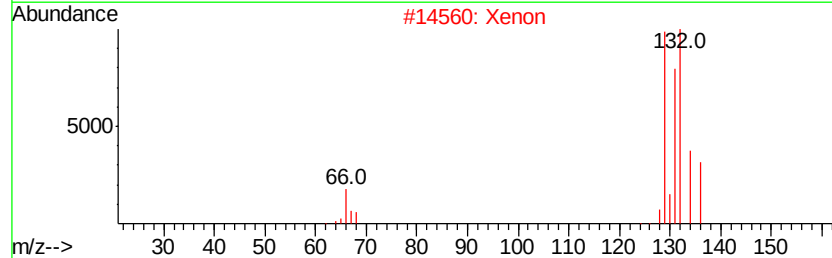
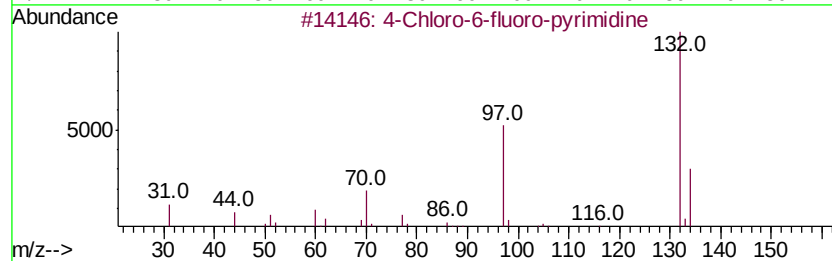
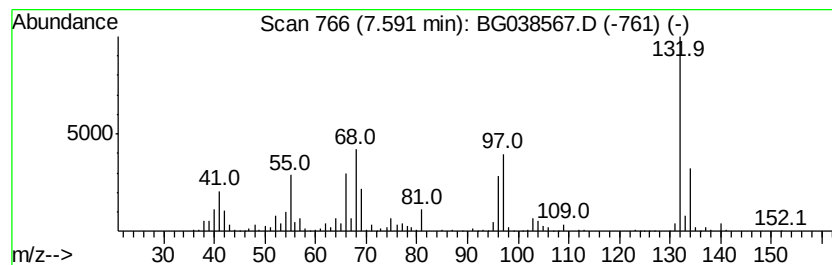
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown7.59 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	18.95 ng	764655	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	35
2		Xenon	132	Xe	007440-63-3	22
3		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	16
4		5-Aminoindole	132	C8H8N2	005192-03-0	14
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
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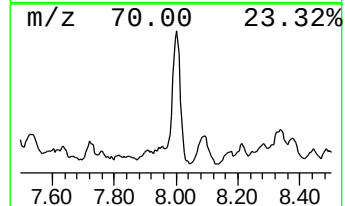
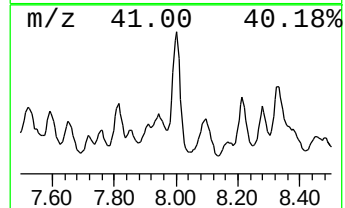
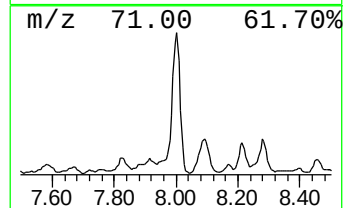
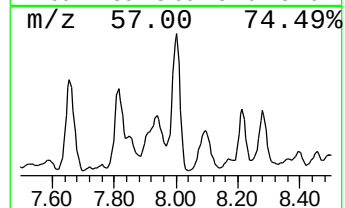
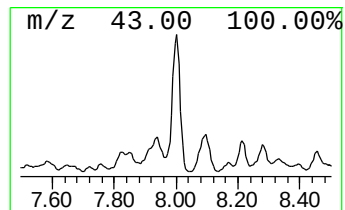
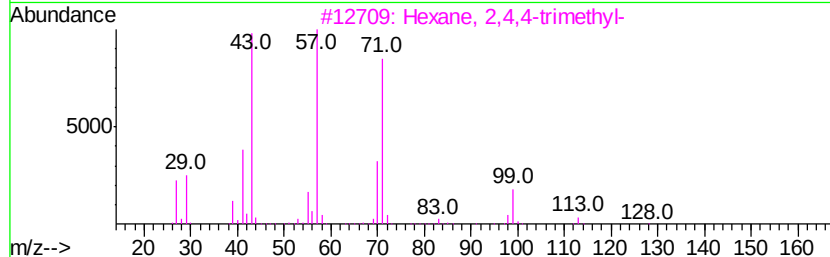
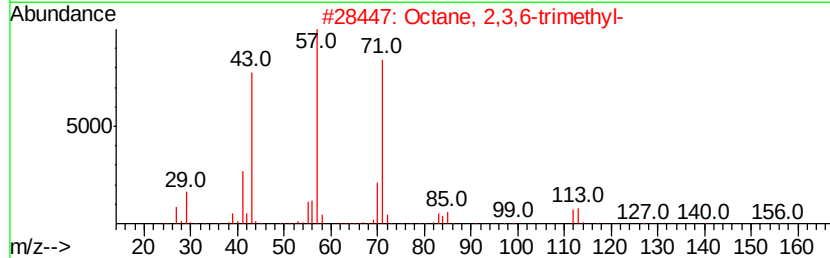
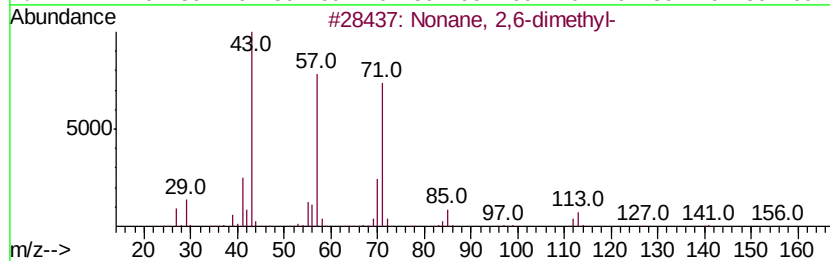
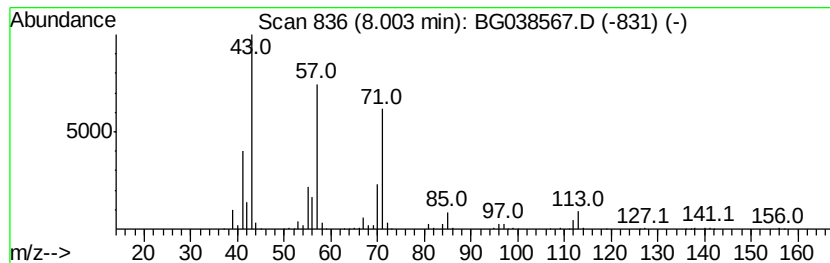
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Nonane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	32.51 ng	1311610	1,4-Dichlorobenzene-d4	8.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	90
2			Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	64
3			Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	59
4			3-Bromooctane	192	C8H17Br	000999-64-4	58
5			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
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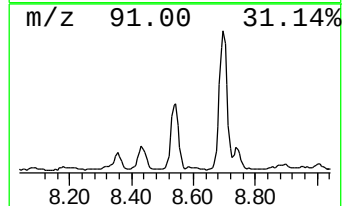
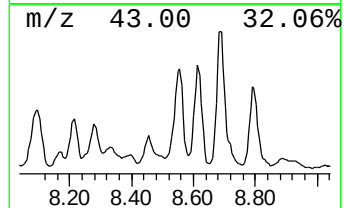
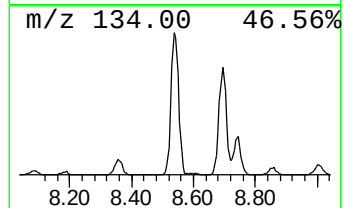
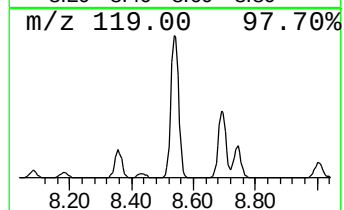
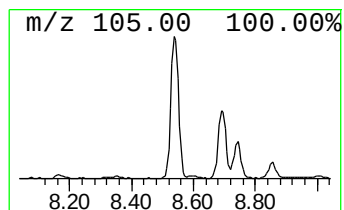
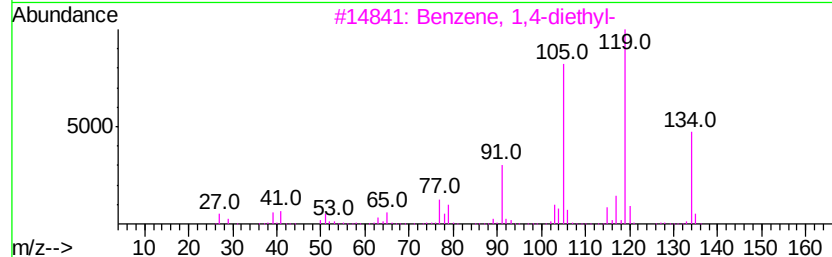
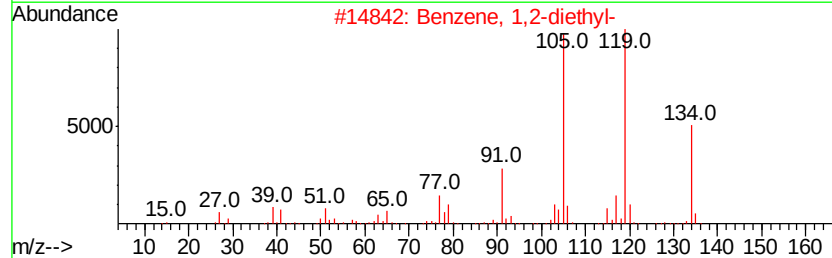
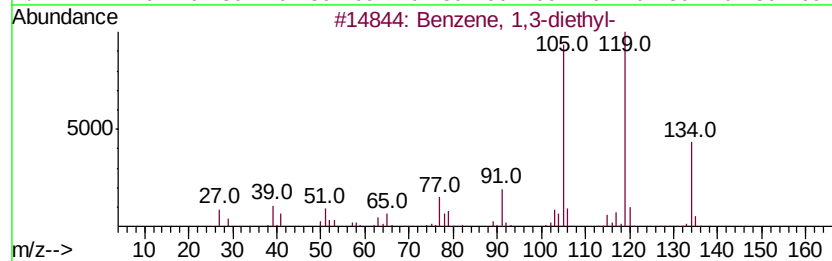
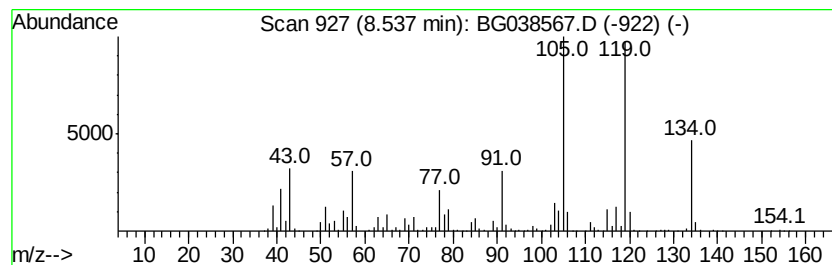
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzene, 1,3-diethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	38.57 ng	1556300	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5		1,3,8-p-Menthatriene	134	C10H14	018368-95-1	68



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Data File : BG038567.D
Acq On : 14 Dec 2018 13:47
Operator : JU/SJ
Sample : J6319-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

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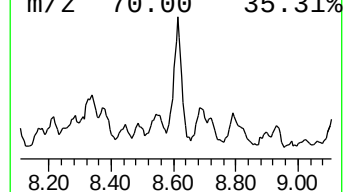
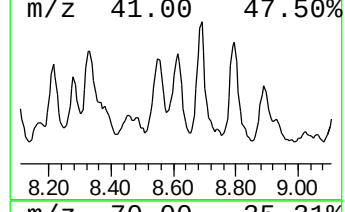
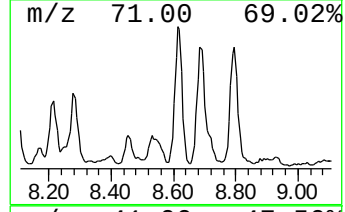
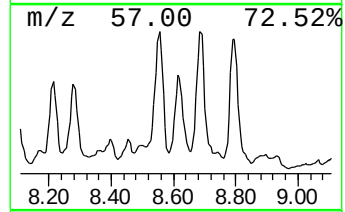
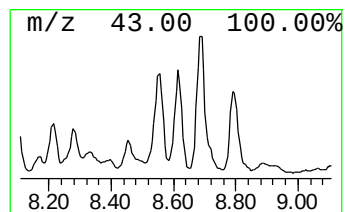
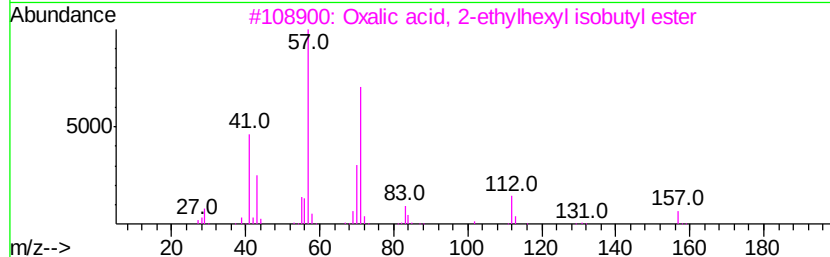
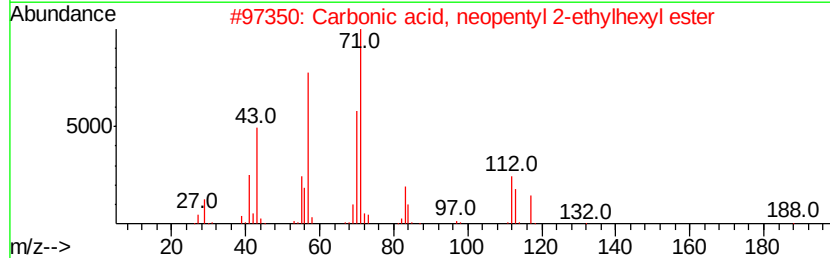
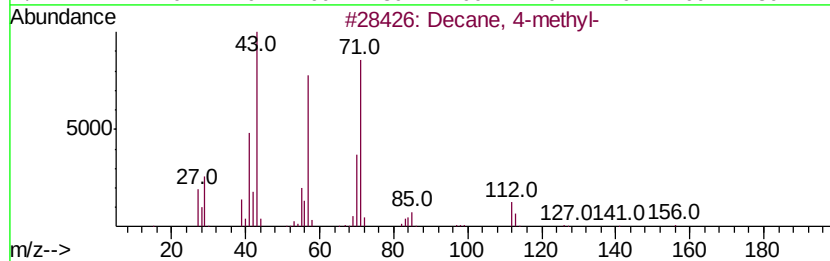
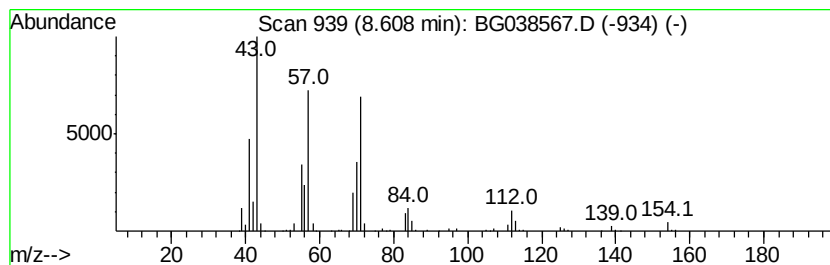
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Decane, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	21.96 ng	886105	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	93
2		Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	72
3		Oxalic acid, 2-ethylhexyl isobut...	258	C14H26O4	1000309-38-5	72
4		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
5		Tridecane, 7-methyl-	198	C14H30	026730-14-3	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
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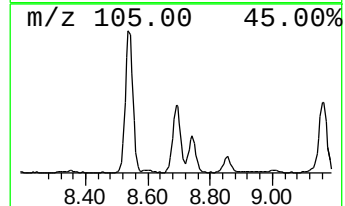
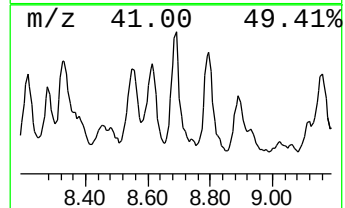
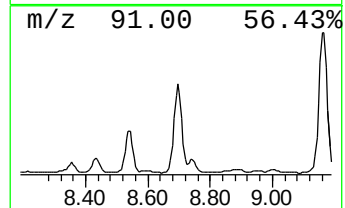
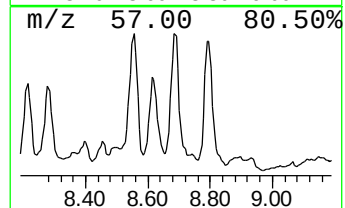
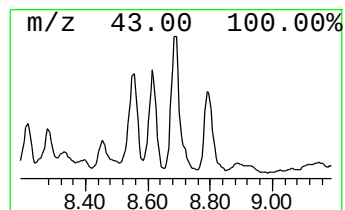
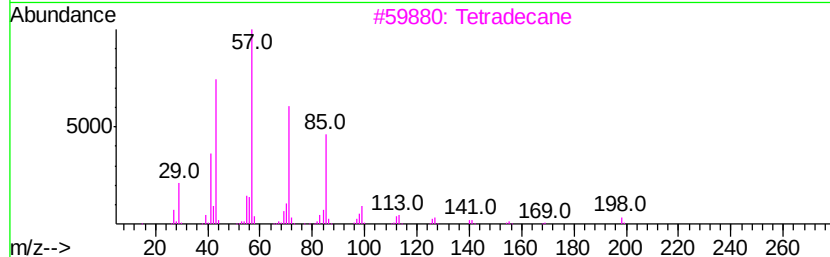
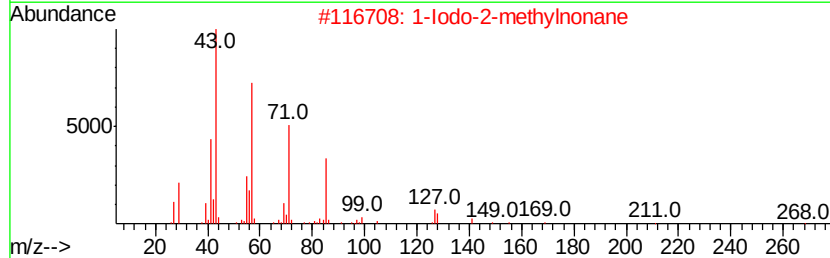
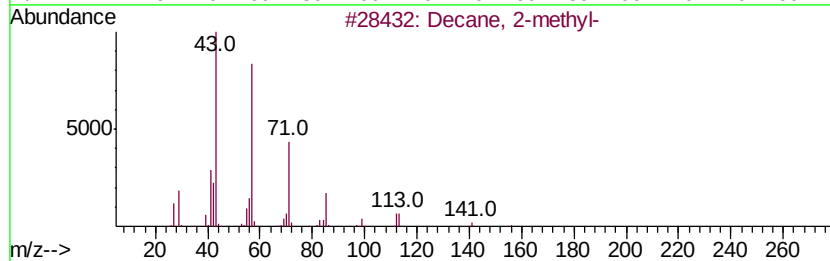
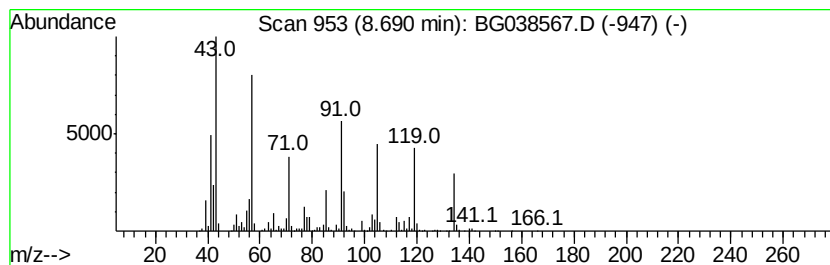
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown8.69 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.69	37.33 ng	1506090	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2-methyl-	156	C11H24	006975-98-0	46
2		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	35
3		Tetradecane	198	C14H30	000629-59-4	35
4		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	30
5		Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
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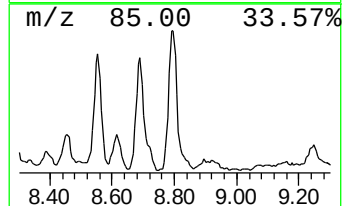
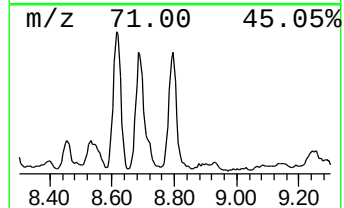
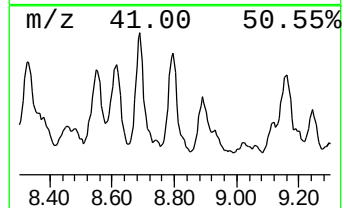
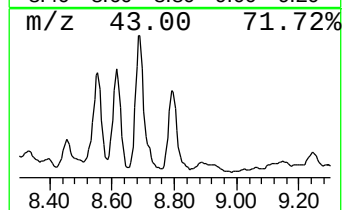
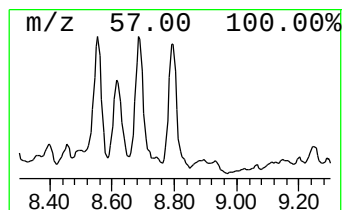
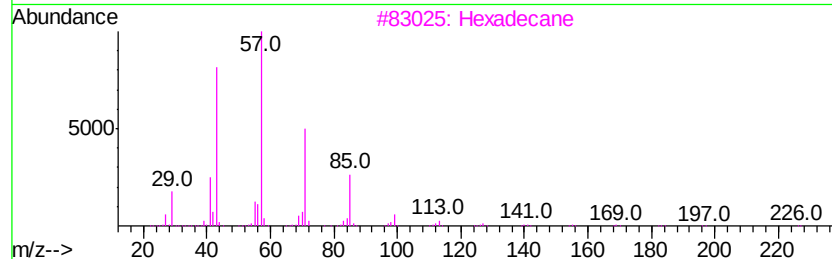
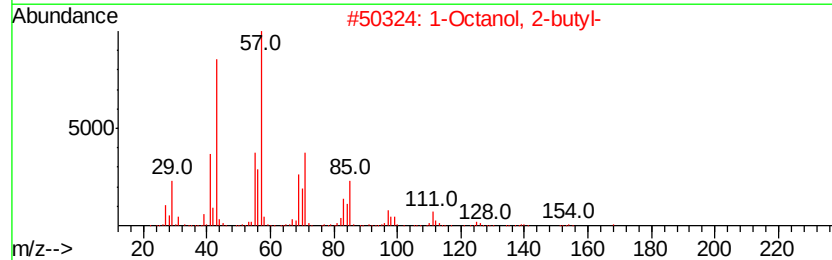
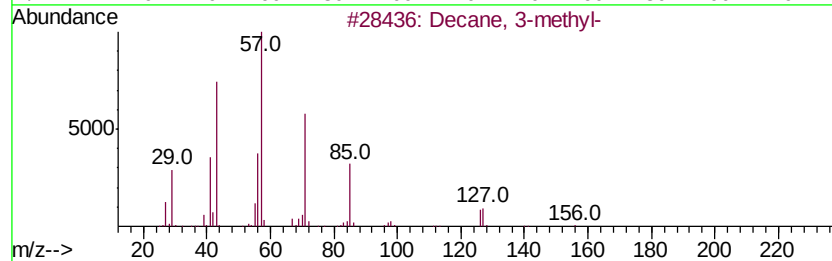
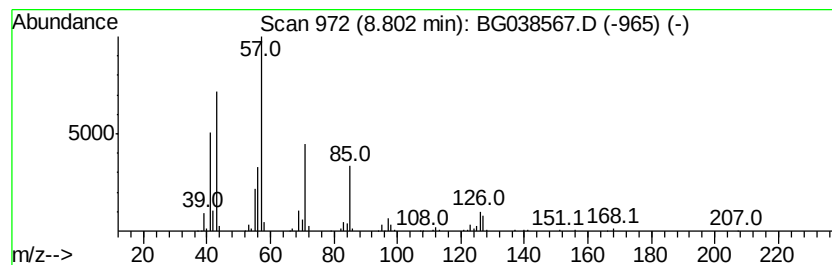
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Decane, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	20.54 ng	828866	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	93
2		1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72
3		Hexadecane	226	C16H34	000544-76-3	59
4		Tridecane, 6-methyl-	198	C14H30	013287-21-3	59
5		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
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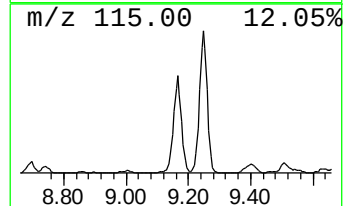
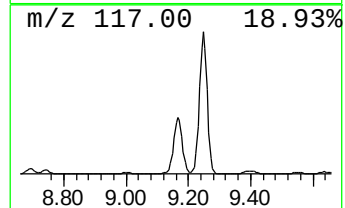
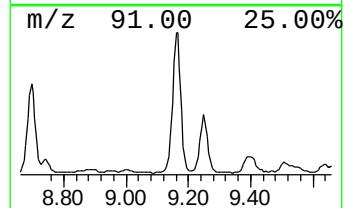
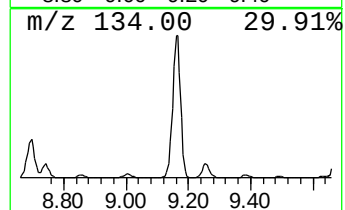
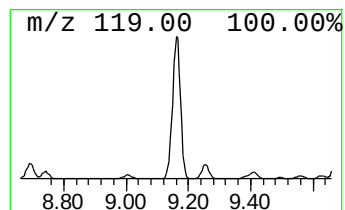
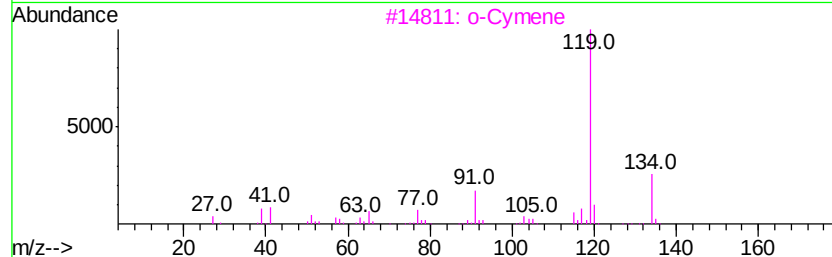
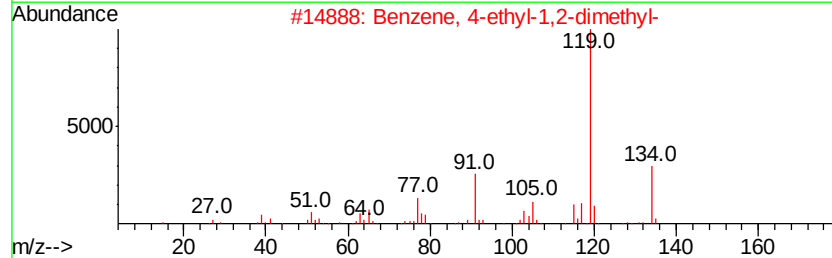
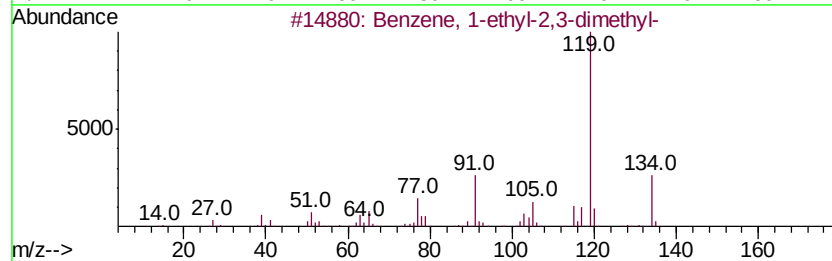
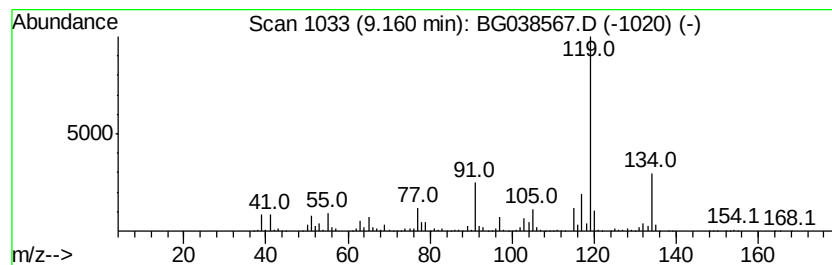
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	93.02 ng	3752970	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3		o-Cymene	134	C10H14	000527-84-4	94
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
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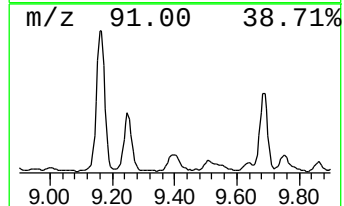
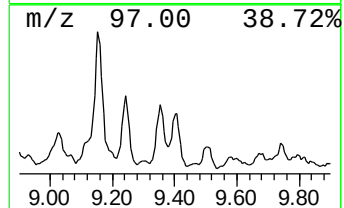
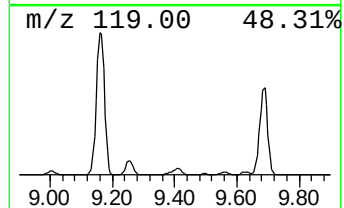
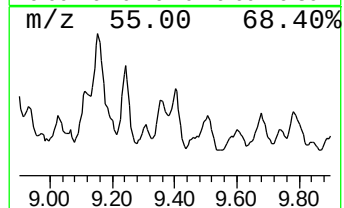
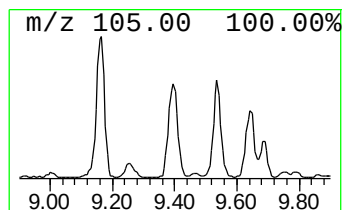
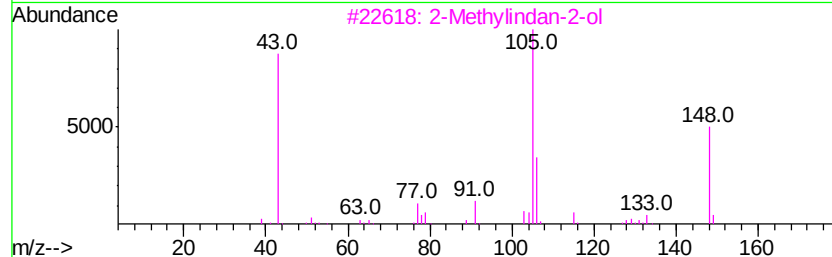
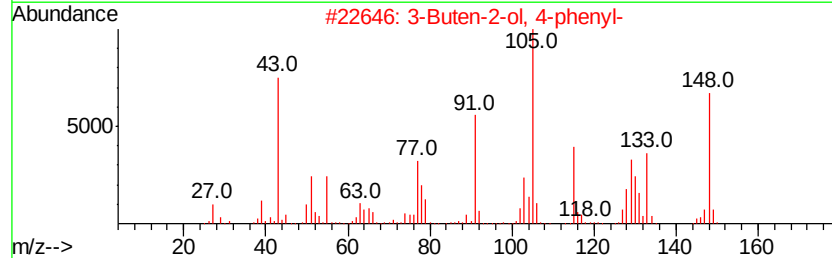
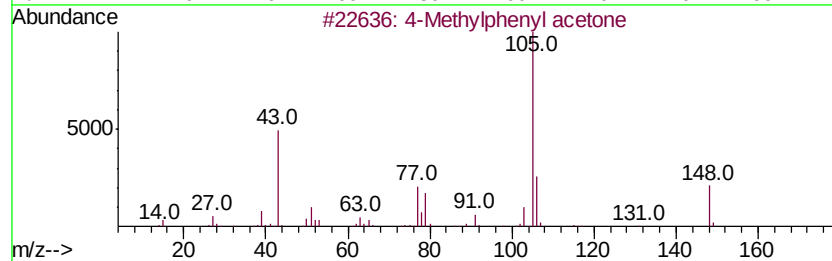
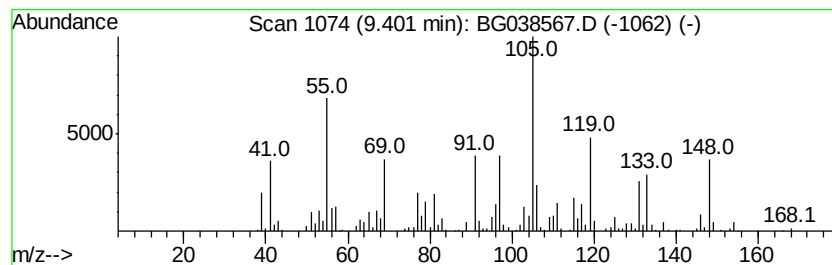
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown9.40 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	21.74 ng	877250	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Methylphenyl acetone	148	C10H12O	002096-86-8	35
2		3-Buten-2-ol, 4-phenyl-	148	C10H12O	017488-65-2	22
3		2-Methylindan-2-ol	148	C10H12O	033223-84-6	18
4		Benzenemethanol, .alpha.-1-prope...	148	C10H12O	003347-57-7	18
5		Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	15



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
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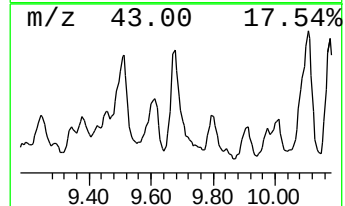
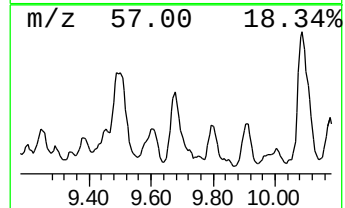
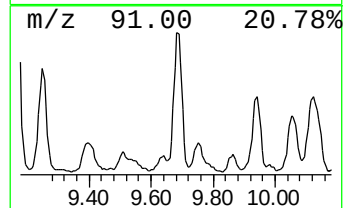
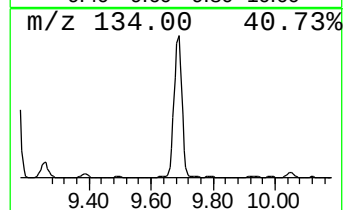
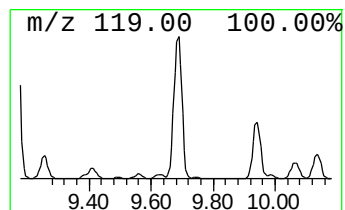
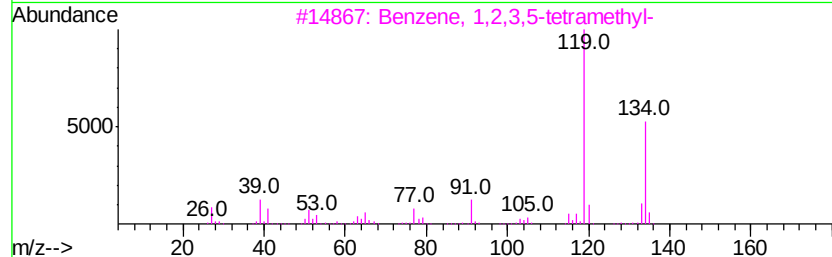
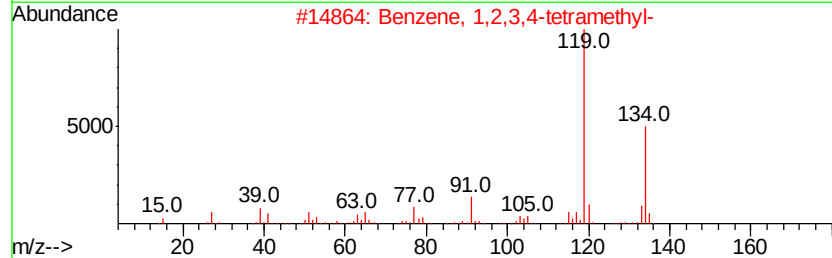
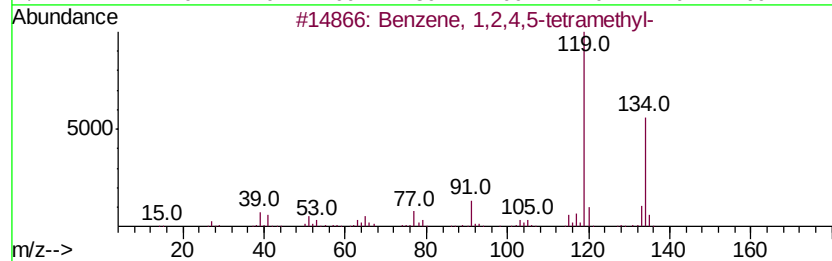
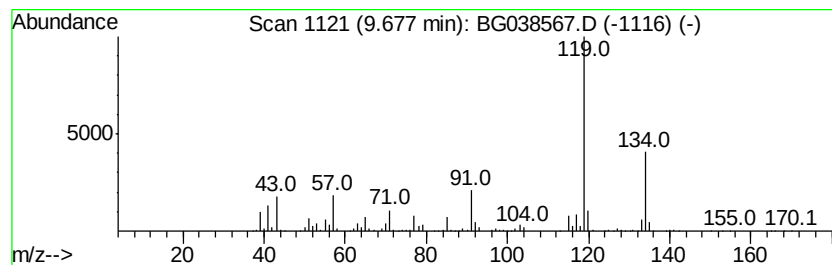
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	24.25 ng	1775510	Naphthalene-d8	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
Acq On : 14 Dec 2018 13:47
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ALS Vial : 31 Sample Multiplier: 1

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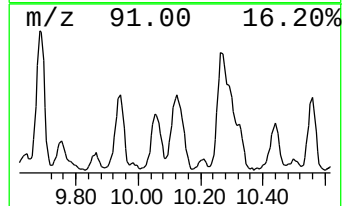
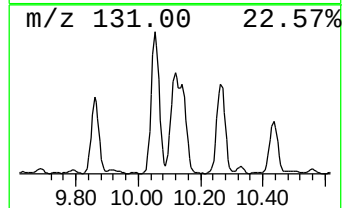
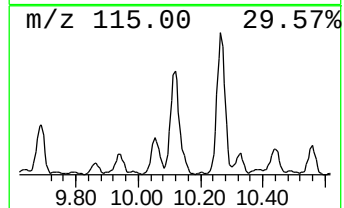
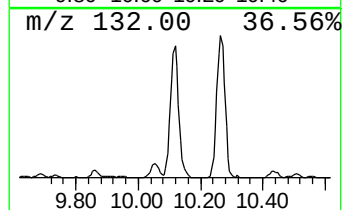
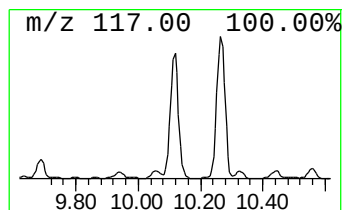
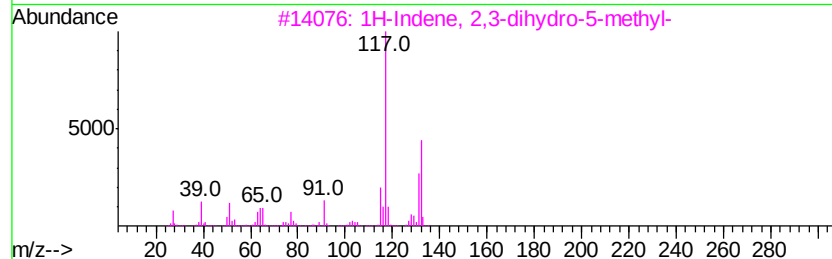
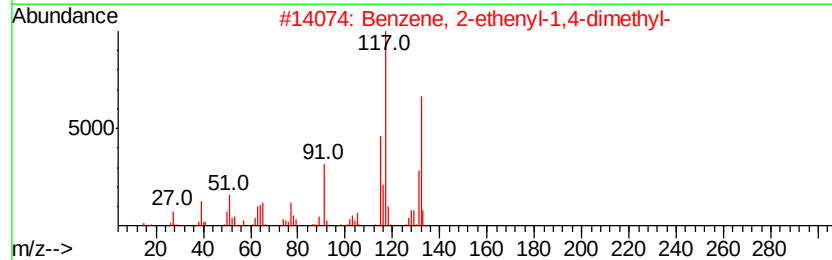
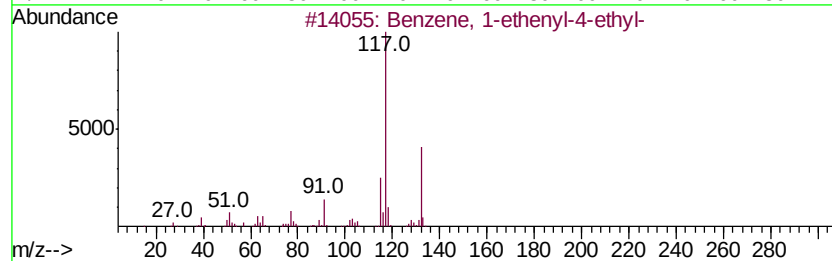
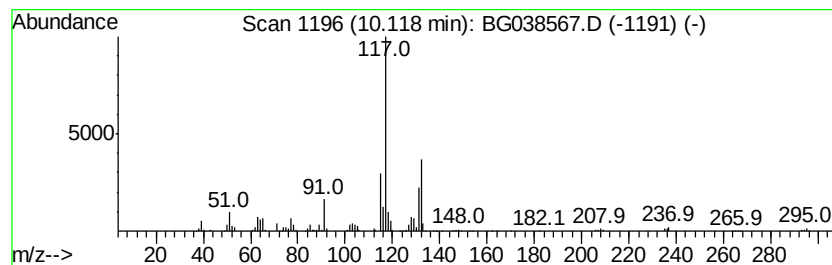
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	23.77 ng	1740090	Napthalene-d8	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
Acq On : 14 Dec 2018 13:47
Operator : JU/SJ
Sample : J6319-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
055_BT-1-1

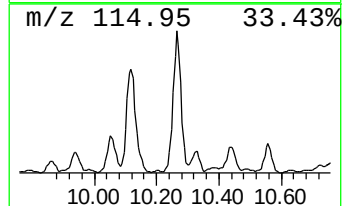
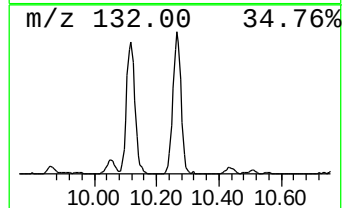
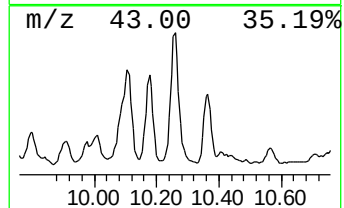
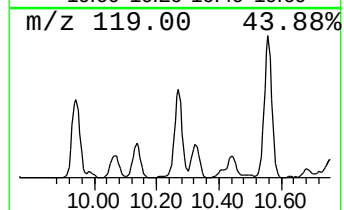
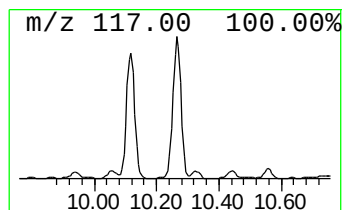
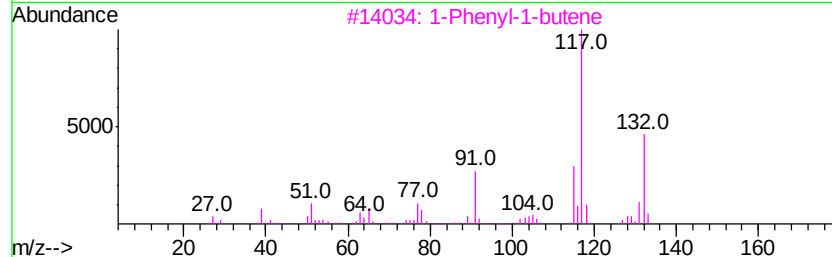
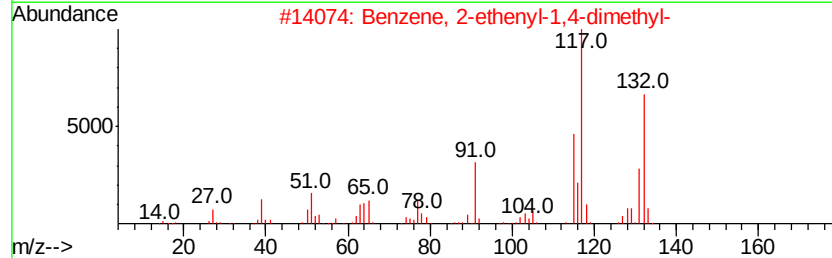
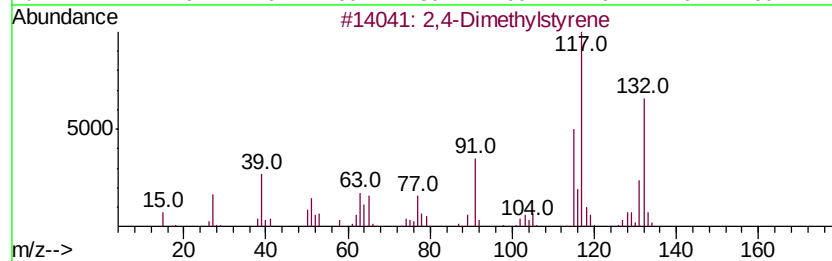
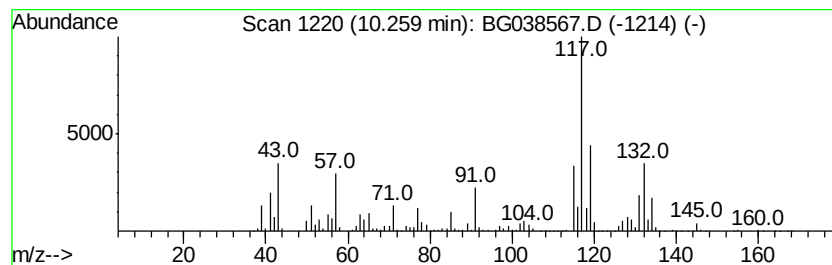
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 2,4-Dimethylstyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	33.12 ng	2424970	Naphthalene-d8	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	93
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	93
5		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038567.D
Acq On : 14 Dec 2018 13:47
Operator : JU/SJ
Sample : J6319-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
055_BT-1-1

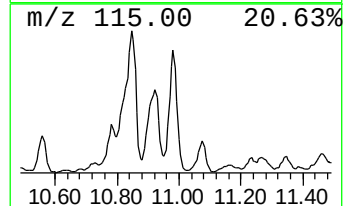
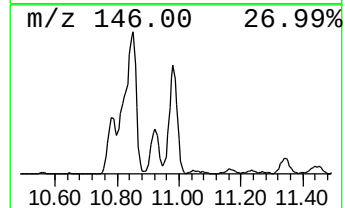
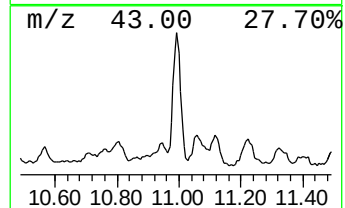
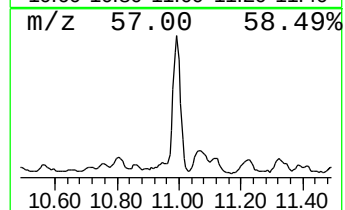
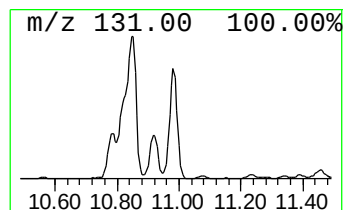
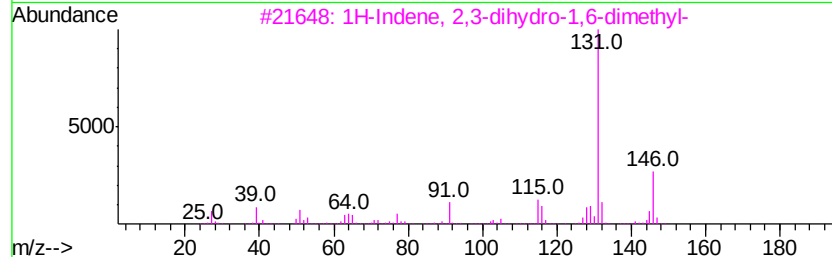
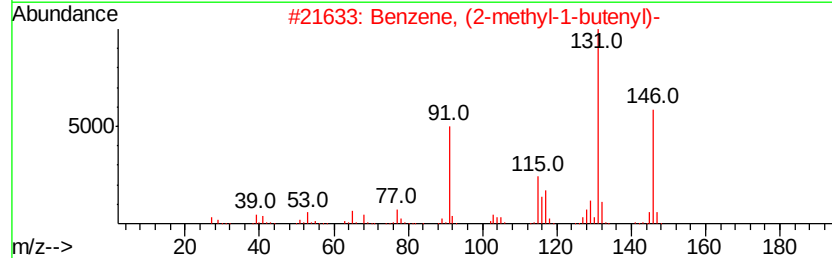
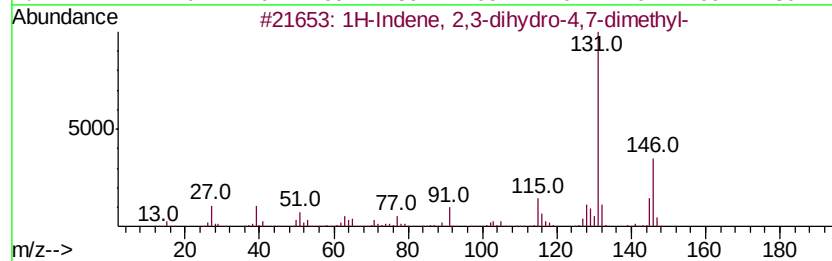
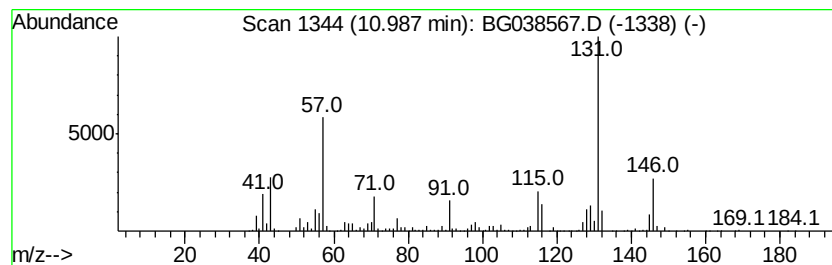
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	26.24 ng	1920700	Napthalene-d8	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
3		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
4		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121318\
 Data File : BG038567.D
 Acq On : 14 Dec 2018 13:47
 Operator : JU/SJ
 Sample : J6319-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 055_BT-1-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Octane, 4-methyl-	5.46	22.7	ng	915564	1	8.06	806902	20.0
1-Ethyl-3-methylc...	5.98	22.5	ng	909578	1	8.06	806902	20.0
trans-1,2-Diethyl...	6.29	32.4	ng	1307550	1	8.06	806902	20.0
Nonane, 4-methyl-	6.40	20.4	ng	823315	1	8.06	806902	20.0
Nonane, 3-methyl-	6.57	29.7	ng	1197920	1	8.06	806902	20.0
Cyclohexane, propyl-	6.67	45.1	ng	1819570	1	8.06	806902	20.0
Nonane, 2-methyl-	7.07	24.8	ng	999266	1	8.06	806902	20.0
unknown7.59	7.59	18.9	ng	764655	1	8.06	806902	20.0
Nonane, 2,6-dimet...	8.00	32.5	ng	1311610	1	8.06	806902	20.0
Benzene, 1,3-diet...	8.54	38.6	ng	1556300	1	8.06	806902	20.0
Decane, 4-methyl-	8.61	22.0	ng	886105	1	8.06	806902	20.0
unknown8.69	8.69	37.3	ng	1506090	1	8.06	806902	20.0
Decane, 3-methyl-	8.80	20.5	ng	828866	1	8.06	806902	20.0
Benzene, 1-ethyl-...	9.16	93.0	ng	3752970	1	8.06	806902	20.0
unknown9.40	9.40	21.7	ng	877250	1	8.06	806902	20.0
Benzene, 1,2,4,5-...	9.68	24.3	ng	1775510	2	10.88	1464170	20.0
Benzene, 1-etheny...	10.12	23.8	ng	1740090	2	10.88	1464170	20.0
2,4-Dimethylstyrene	10.26	33.1	ng	2424970	2	10.88	1464170	20.0
1H-Indene, 2,3-di...	10.99	26.2	ng	1920700	2	10.88	1464170	20.0