

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
 Data File : BG035972.D
 Acq On : 30 Jul 2018 12:27
 Operator : JU/SJ
 Sample : J4161-02 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OIL

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-BG071218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.608	391	395	401	rVB5	6996	13002	1.71%	0.138%
2	5.673	401	406	415	rVB2	12176	26269	3.46%	0.280%
3	5.978	453	458	463	rVV4	7115	11265	1.48%	0.120%
4	6.037	463	468	475	rVB2	41572	65674	8.65%	0.699%
5	6.290	506	511	519	rBV6	10855	25588	3.37%	0.272%
6	6.407	525	531	539	rVB5	4828	10989	1.45%	0.117%
7	6.519	543	550	555	rBV7	13078	28646	3.77%	0.305%
8	6.578	555	560	564	rVV4	9709	14761	1.94%	0.157%
9	6.660	568	574	584	rVB6	22490	51570	6.79%	0.549%
10	7.012	630	634	638	rVB4	18377	26296	3.46%	0.280%
11	7.065	638	643	647	rVV2	14533	22689	2.99%	0.242%
12	7.112	647	651	655	rVV3	19241	29396	3.87%	0.313%
13	7.171	655	661	668	rVB5	29578	52631	6.93%	0.560%
14	7.247	668	674	681	rBV	17522	31312	4.12%	0.333%
15	7.347	686	691	696	rVB4	11765	19425	2.56%	0.207%
16	7.412	696	702	705	rBV5	18674	32114	4.23%	0.342%
17	7.506	713	718	724	rVB5	12290	21234	2.80%	0.226%
18	7.641	735	741	744	rBV	72326	122093	16.08%	1.300%
19	7.670	744	746	752	rVV	54642	70815	9.33%	0.754%
20	7.729	753	756	764	rVB6	11991	21251	2.80%	0.226%
21	7.929	785	790	792	rBV4	8040	12122	1.60%	0.129%
22	8.023	796	806	815	rBV2	117530	244781	32.24%	2.605%
23	8.140	821	826	832	rBV3	20539	41859	5.51%	0.446%
24	8.205	833	837	844	rVB3	17031	29145	3.84%	0.310%
25	8.305	844	854	861	rBV5	29671	68404	9.01%	0.728%
26	8.551	886	896	897	rBV6	23846	55091	7.26%	0.586%
27	8.669	910	916	923	rBV7	32678	69346	9.13%	0.738%
28	8.781	930	935	939	rBV4	22417	40078	5.28%	0.427%
29	8.851	939	947	952	rVV5	44176	84120	11.08%	0.895%
30	8.974	964	968	972	rBV5	9697	17490	2.30%	0.186%
31	9.021	972	976	982	rVB5	20143	38483	5.07%	0.410%
32	9.127	982	994	1000	rBV10	33036	85385	11.25%	0.909%
33	9.245	1004	1014	1019	rBV	62261	131179	17.28%	1.396%
34	9.374	1024	1036	1045	rBV	32892	116366	15.33%	1.239%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.480	1045	1054	1055	rBV6	14151	29988	3.95%	0.319%
36	9.585	1068	1072	1080	rVB9	15222	29854	3.93%	0.318%
37	9.656	1080	1084	1087	rBV3	12025	21006	2.77%	0.224%
38	9.703	1087	1092	1095	rVV3	32863	66126	8.71%	0.704%
39	9.744	1095	1099	1104	rVB2	62604	94187	12.41%	1.003%
40	9.902	1119	1126	1130	rBV3	36198	72856	9.60%	0.775%
41	10.002	1138	1143	1152	rBV7	55603	140283	18.48%	1.493%
42	10.108	1156	1161	1167	rVV7	20074	35664	4.70%	0.380%
43	10.167	1167	1171	1176	rVB7	16976	27356	3.60%	0.291%
44	10.231	1176	1182	1187	rBV7	20889	48703	6.41%	0.518%
45	10.278	1187	1190	1195	rVB7	10837	19180	2.53%	0.204%
46	10.349	1198	1202	1205	rBV5	16309	23084	3.04%	0.246%
47	10.461	1214	1221	1226	rVB3	44169	82090	10.81%	0.874%
48	10.525	1226	1232	1238	rBV10	19811	41064	5.41%	0.437%
49	10.596	1238	1244	1256	rVB10	32567	98343	12.95%	1.047%
50	10.707	1256	1263	1271	rBV7	34903	106037	13.97%	1.129%
51	10.790	1271	1277	1279	rVV4	63596	115077	15.16%	1.225%
52	10.825	1279	1283	1291	rVV	178971	364844	48.05%	3.883%
53	10.901	1293	1296	1299	rVV6	10892	12592	1.66%	0.134%
54	10.948	1299	1304	1312	rVB7	55684	117125	15.43%	1.247%
55	11.019	1313	1316	1319	rBV4	12369	17744	2.34%	0.189%
56	11.166	1337	1341	1342	rBV4	9645	11260	1.48%	0.120%
57	11.236	1350	1353	1356	rBV5	14504	18132	2.39%	0.193%
58	11.295	1359	1363	1369	rVB5	31659	65216	8.59%	0.694%
59	11.377	1370	1377	1378	rBV4	36433	64032	8.43%	0.682%
60	11.442	1385	1388	1391	rBV4	17613	24123	3.18%	0.257%
61	11.524	1396	1402	1407	rVV5	56693	111052	14.63%	1.182%
62	11.583	1409	1412	1418	rVB7	26347	40470	5.33%	0.431%
63	11.729	1433	1437	1445	rVB7	34819	62419	8.22%	0.664%
64	11.800	1445	1449	1452	rBV4	22976	34749	4.58%	0.370%
65	11.835	1452	1455	1457	rVV4	24394	36022	4.74%	0.383%
66	11.870	1458	1461	1464	rVV5	40133	67007	8.83%	0.713%
67	11.917	1465	1469	1475	rVB3	53515	107028	14.10%	1.139%
68	12.011	1482	1485	1490	rVB4	36084	46838	6.17%	0.499%
69	12.552	1573	1577	1583	rBV8	23057	43412	5.72%	0.462%
70	12.611	1584	1587	1595	rVB5	25105	51148	6.74%	0.544%
71	12.728	1602	1607	1613	rBV6	60831	123237	16.23%	1.312%

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72	12.804	1617	1620	1621	rBV3	23946	24179	3.18%	0.257%
73	13.251	1690	1696	1697	rBV6	31538	61612	8.11%	0.656%
74	13.427	1723	1726	1729	rBV4	56981	79390	10.46%	0.845%
75	13.915	1806	1809	1813	rBV6	36374	64823	8.54%	0.690%
76	14.067	1832	1835	1839	rBV2	73682	99514	13.11%	1.059%
77	14.391	1885	1890	1894	rBV8	68280	154699	20.38%	1.647%
78	14.473	1901	1904	1910	rVB3	168456	277355	36.53%	2.952%
79	14.614	1923	1928	1930	rBV4	121338	212251	27.96%	2.259%
80	14.649	1930	1934	1943	rVB3	342883	759250	100.00%	8.081%
81	15.160	2017	2021	2026	rBV5	60656	110620	14.57%	1.177%
82	15.430	2064	2067	2072	rBV5	103690	146720	19.32%	1.562%
83	16.370	2223	2227	2234	rVB	450354	614672	80.96%	6.543%
84	17.193	2364	2367	2371	rVB	397343	482275	63.52%	5.133%
85	17.392	2397	2401	2407	rBV2	402329	668203	88.01%	7.112%
86	21.651	3121	3126	3135	rVB	422715	737936	97.19%	7.855%
87	24.847	3660	3670	3683	rBV2	237344	701283	92.37%	7.464%

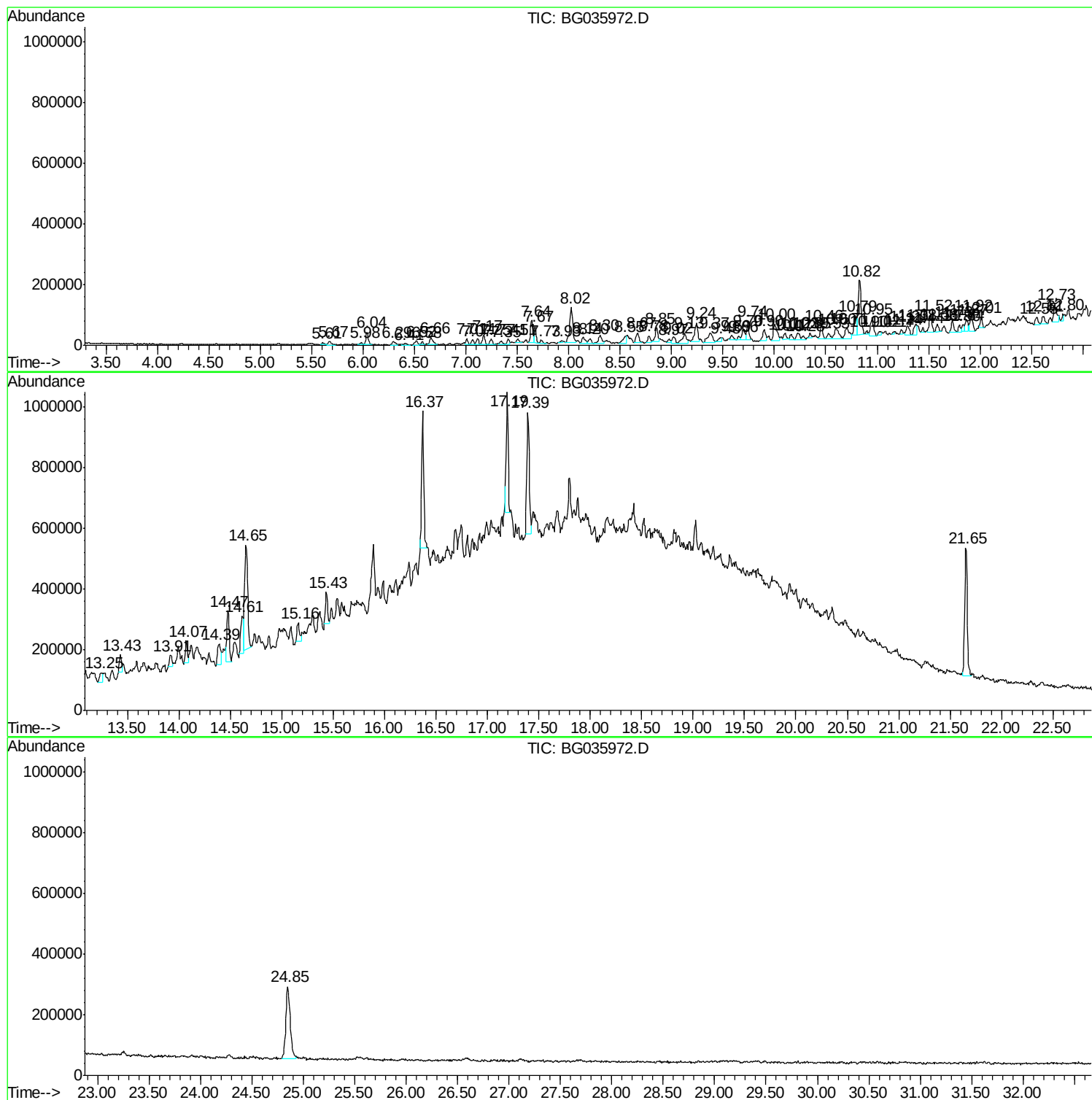
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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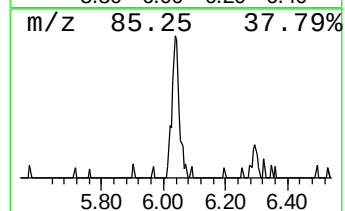
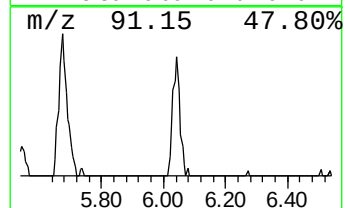
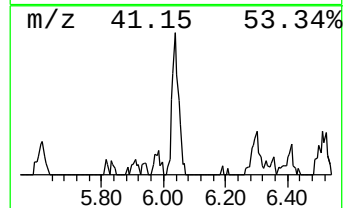
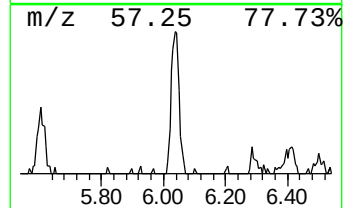
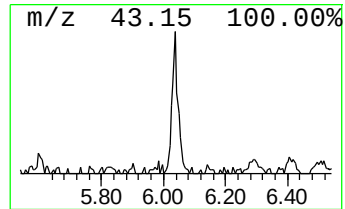
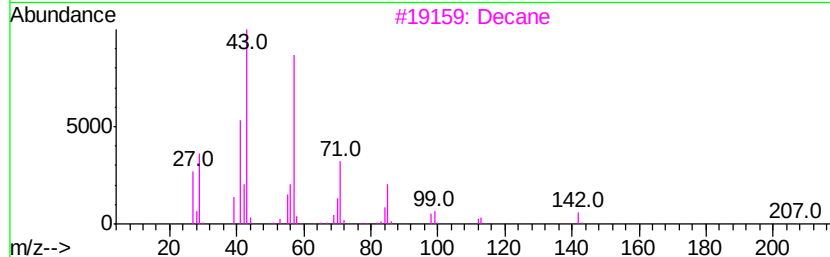
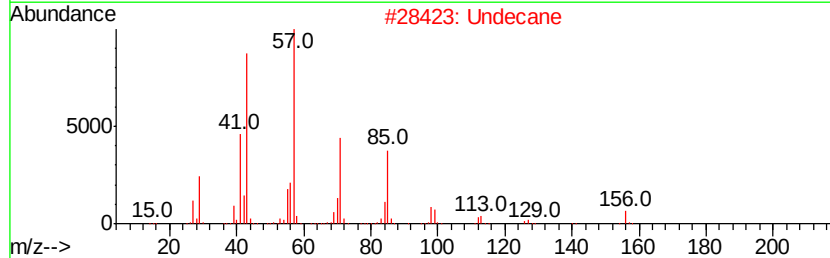
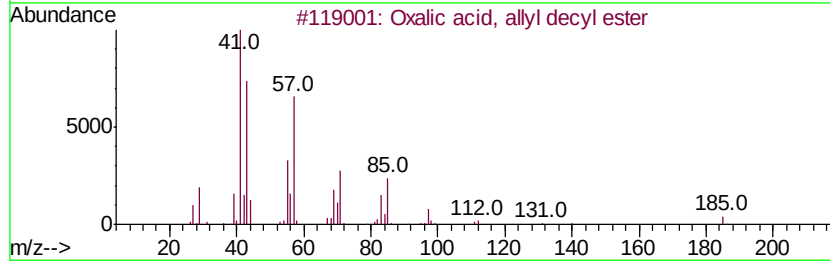
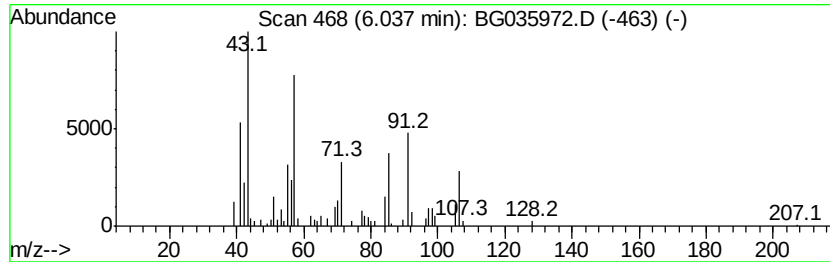
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 1 Oxalic acid, allyl decyl ester Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.04	5.37 ng	65674	1,4-Dichlorobenzene-d4	8.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, allyl decyl ester	270	C15H26O4	1000309-23-8	53
2		Undecane	156	C11H24	001120-21-4	50
3		Decane	142	C10H22	000124-18-5	50
4		Octane	114	C8H18	000111-65-9	47
5		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	43



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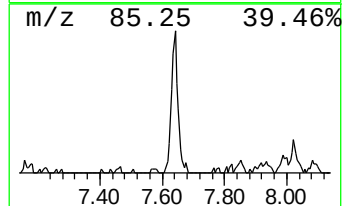
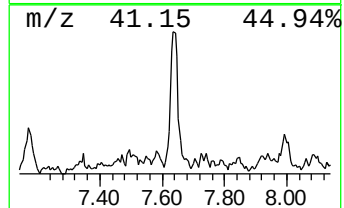
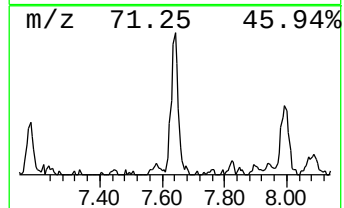
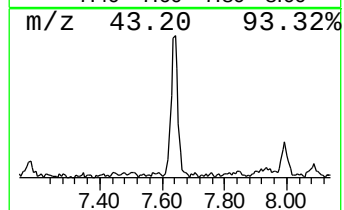
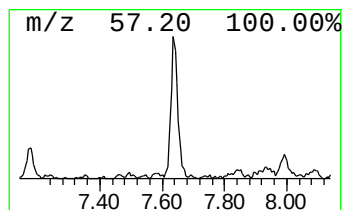
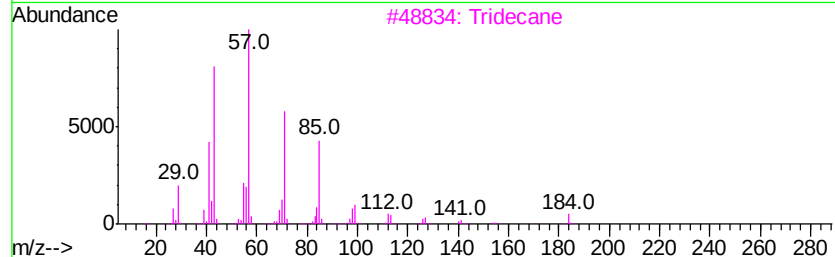
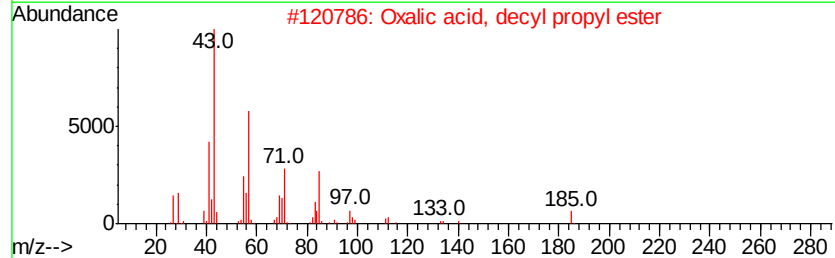
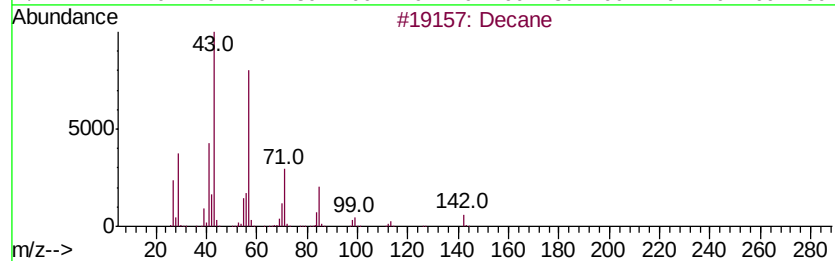
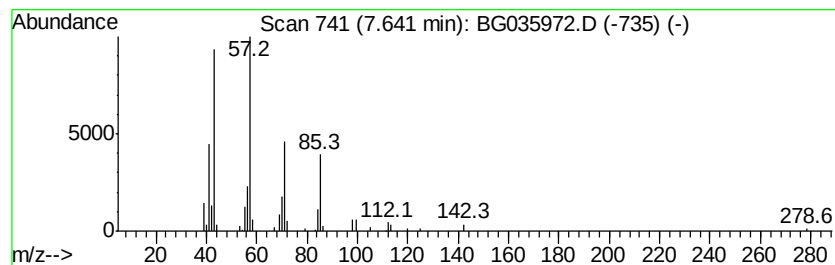
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Decane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	9.98 ng	122093	1,4-Dichlorobenzene-d4	8.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane			142	C10H22	000124-18-5	94
2	Oxalic acid, decyl propyl ester			272	C15H28O4	1000309-26-3	90
3	Tridecane			184	C13H28	000629-50-5	83
4	Undecane, 3,7-dimethyl-			184	C13H28	017301-29-0	78
5	Dodecane			170	C12H26	000112-40-3	72



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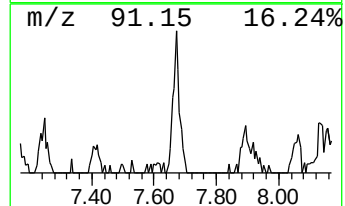
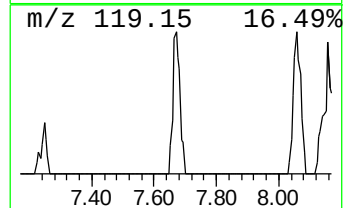
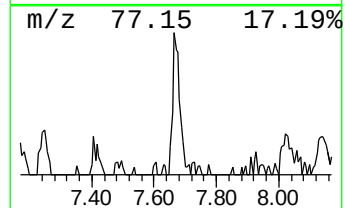
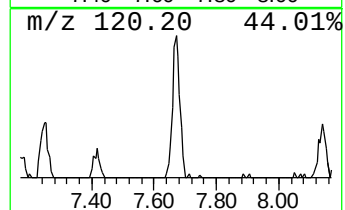
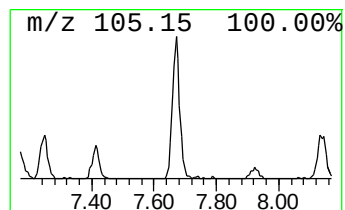
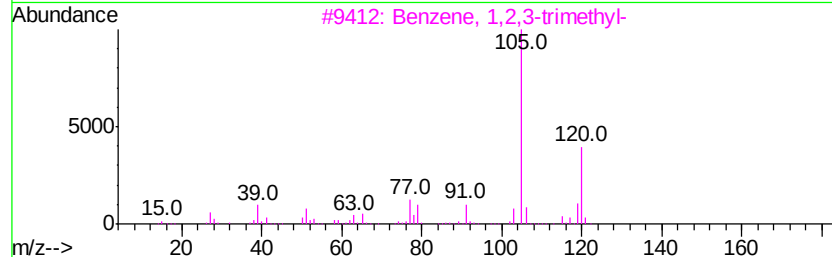
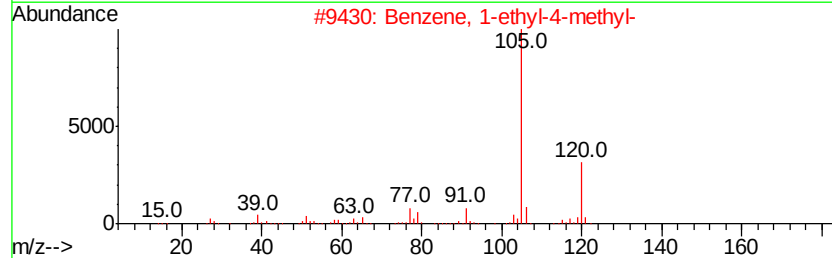
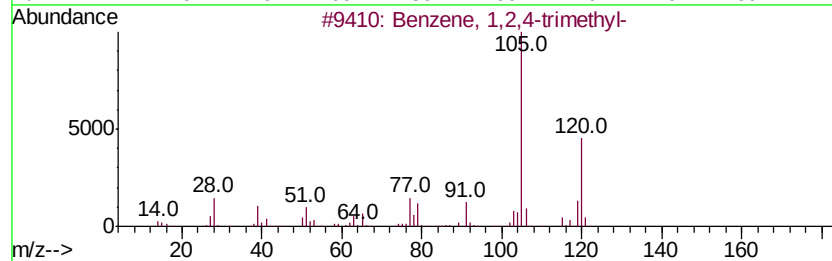
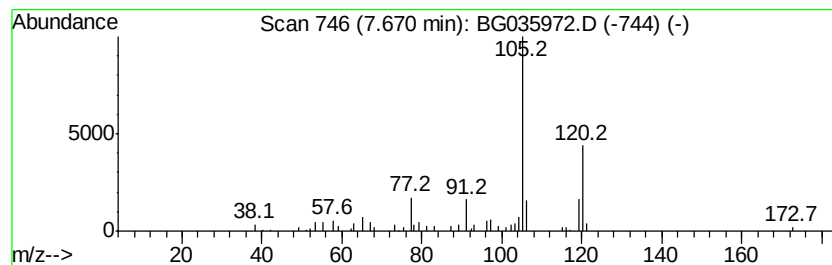
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzene, 1,2,4-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	5.79 ng	70815	1,4-Dichlorobenzene-d4	8.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	80
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	64
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64
4		Mesitylene	120	C9H12	000108-67-8	59
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	59



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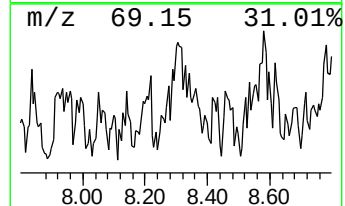
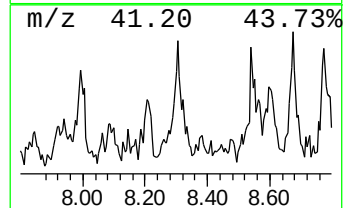
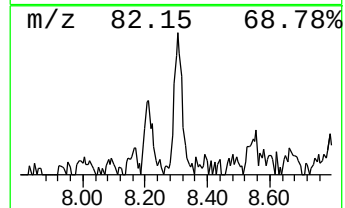
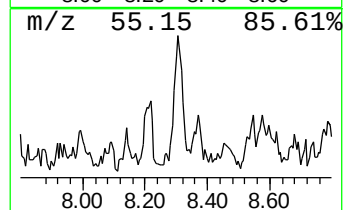
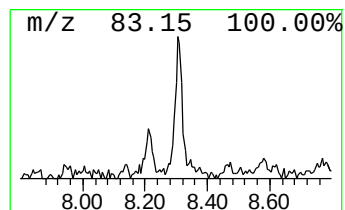
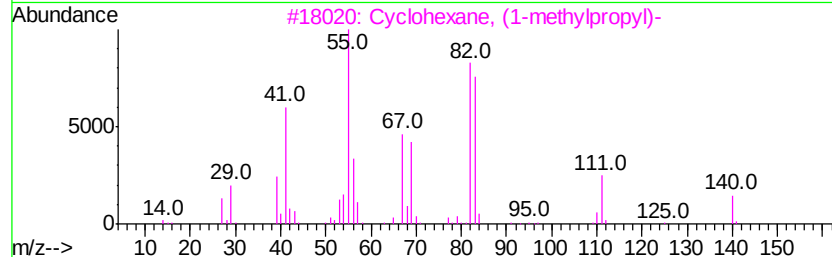
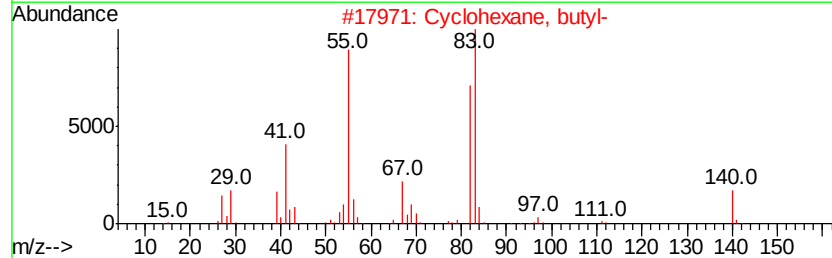
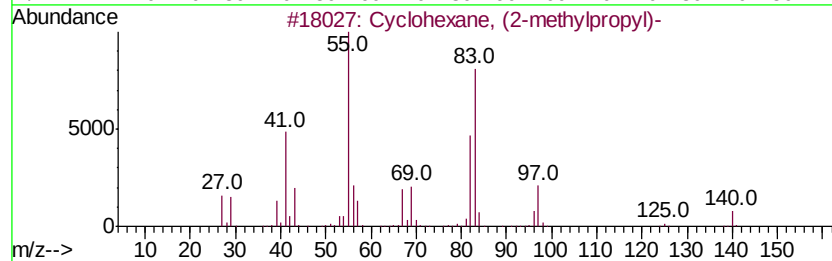
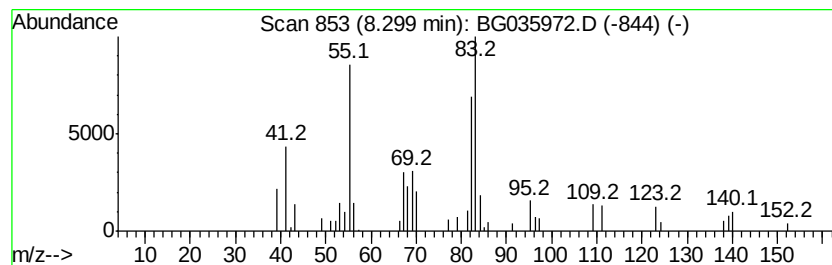
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Cyclohexane, (2-methylpropyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	5.59 ng	68404	1,4-Dichlorobenzene-d4	8.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	59
2		Cyclohexane, butyl-	140	C10H20	001678-93-9	58
3		Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	43
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	42
5		Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035972.D
Acq On : 30 Jul 2018 12:27
Operator : JU/SJ
Sample : J4161-02 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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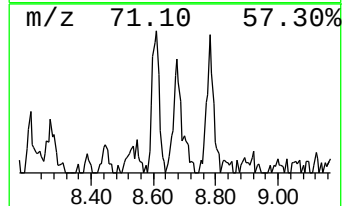
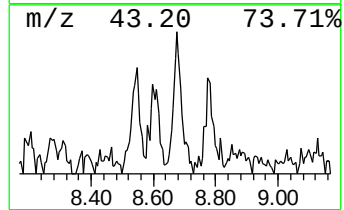
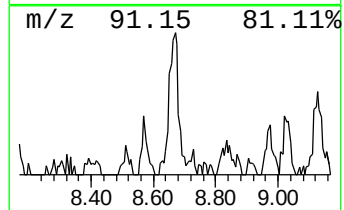
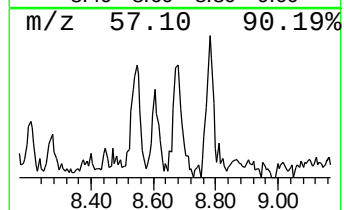
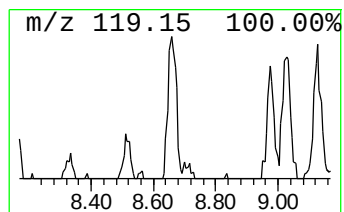
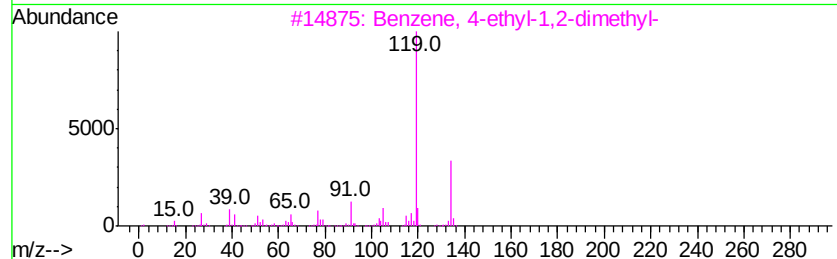
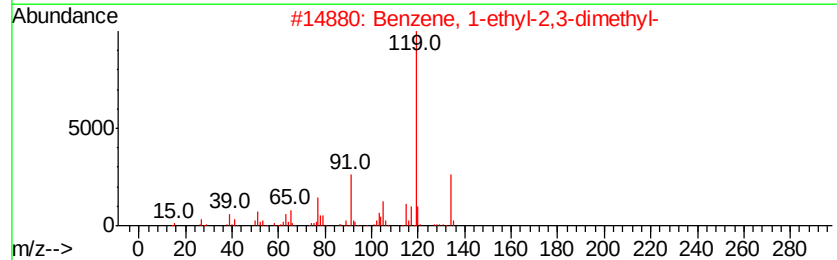
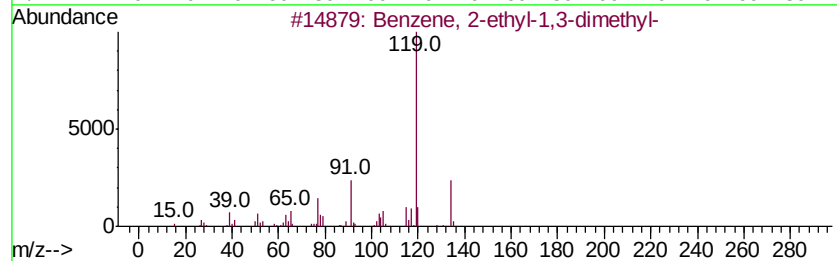
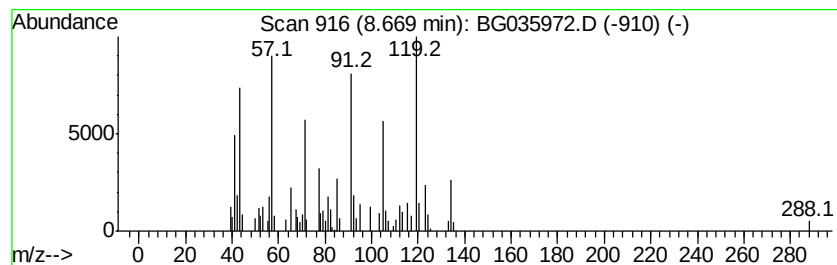
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown8.67 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	5.67 ng	69346	1,4-Dichlorobenzene-d4	8.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	43
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	43
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	43
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	43
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
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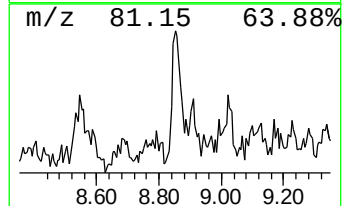
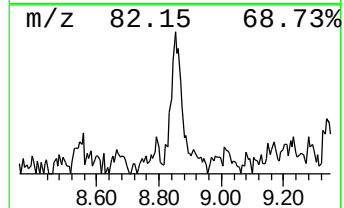
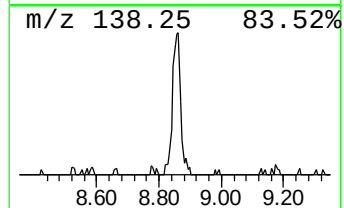
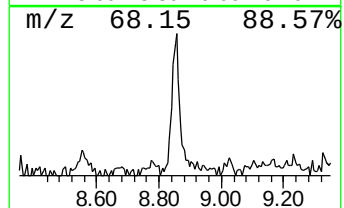
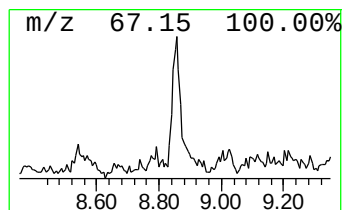
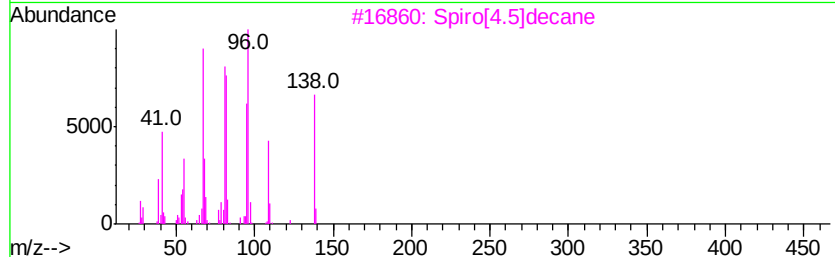
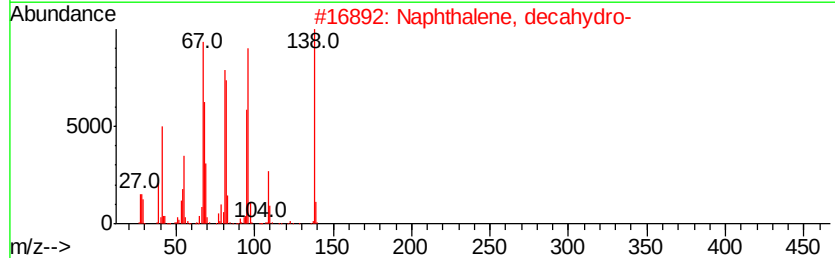
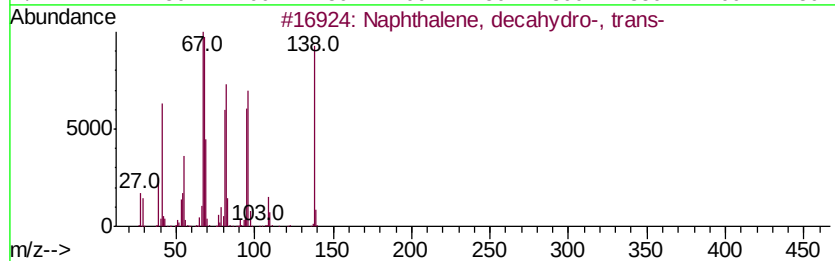
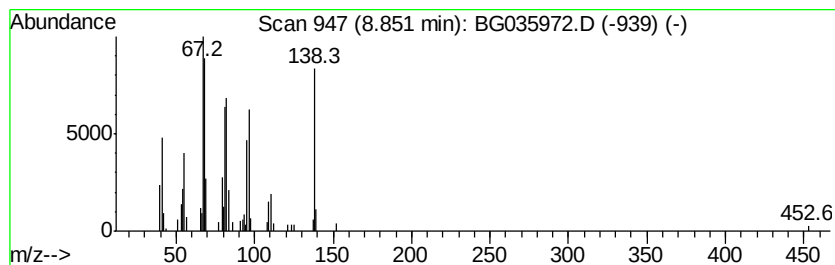
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, decahydro-, tr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.85	6.87 ng	84120	1,4-Dichlorobenzene-d4	8.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3	Spiro[4.5]decane	138	C10H18	000176-63-6	76
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	68
5	Cyclopentene, 1-pentyl-	138	C10H18	004291-98-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035972.D
Acq On : 30 Jul 2018 12:27
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Sample : J4161-02 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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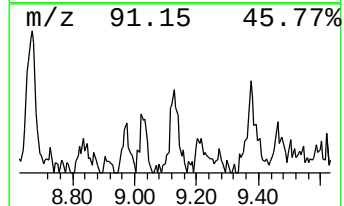
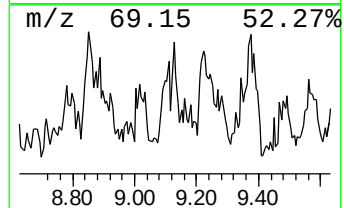
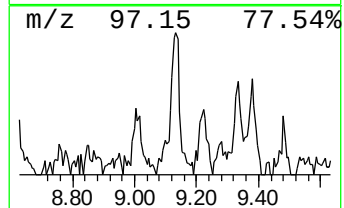
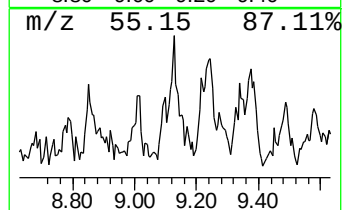
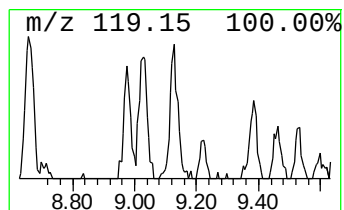
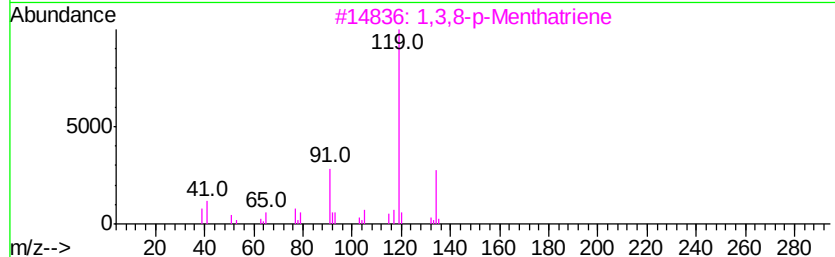
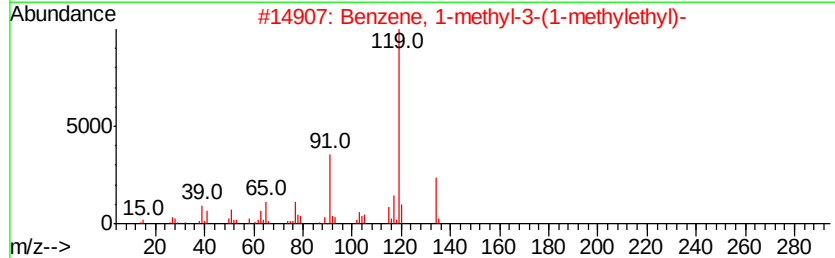
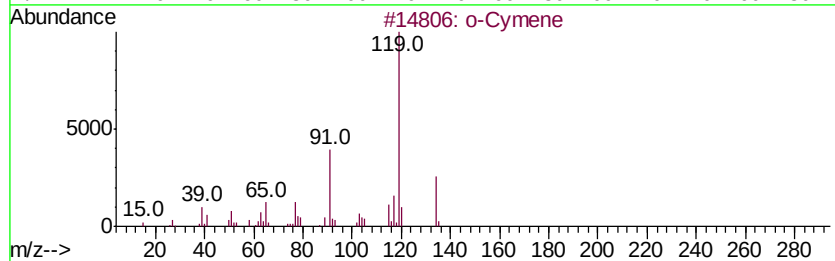
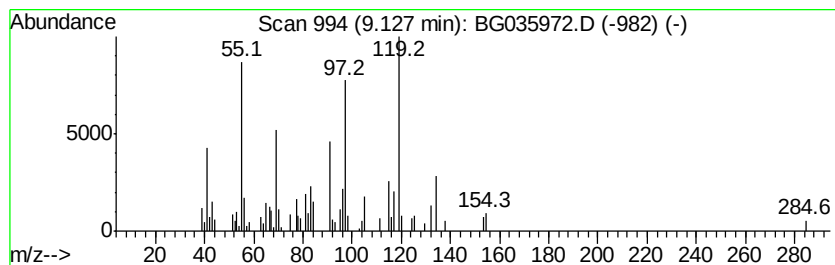
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown9.13 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	6.98 ng	85385	1,4-Dichlorobenzene-d4	8.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	41
2			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
3			1,3,8-p-Menthatriene	134	C10H14	018368-95-1	27
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	27
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035972.D
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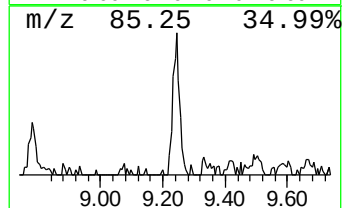
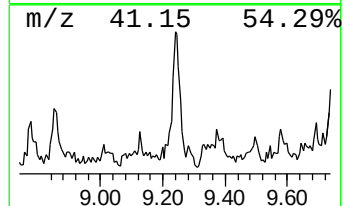
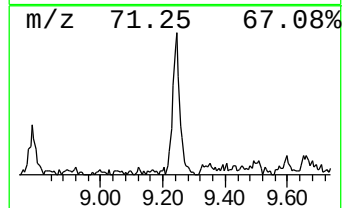
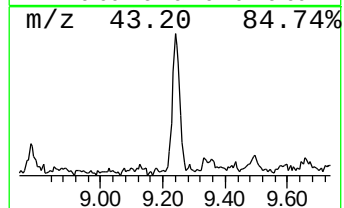
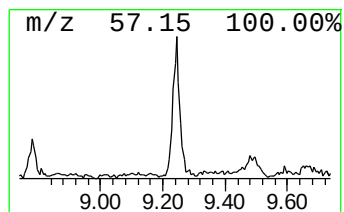
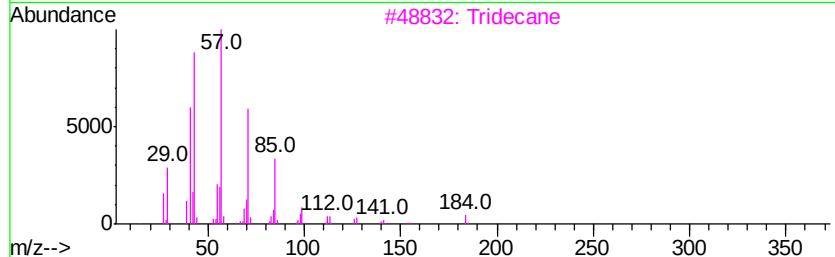
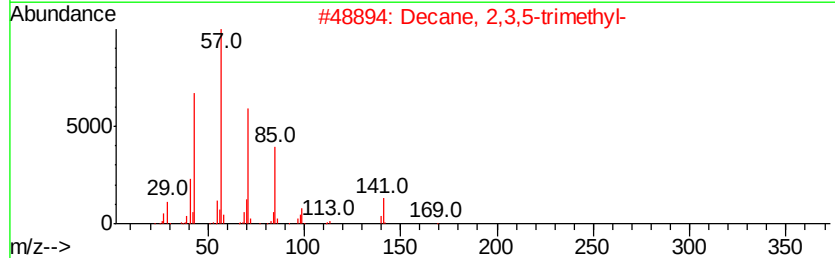
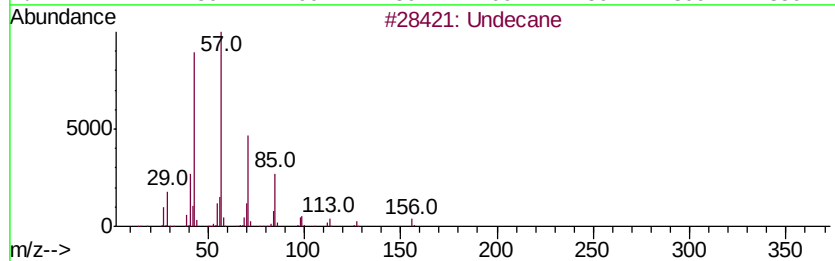
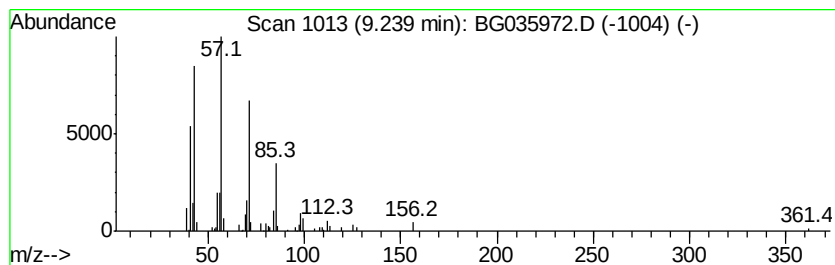
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Undecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	10.72 ng	131179	1,4-Dichlorobenzene-d4	8.02

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	83
2	Decane, 2,3,5-trimethyl-		184	C13H28	062238-11-3	78
3	Tridecane		184	C13H28	000629-50-5	72
4	Octane, 2,7-dimethyl-		142	C10H22	001072-16-8	59
5	Hexane, 3,3-dimethyl-		114	C8H18	000563-16-6	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035972.D
Acq On : 30 Jul 2018 12:27
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Sample : J4161-02 10X
Misc :
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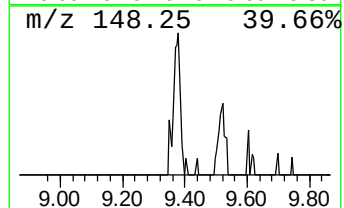
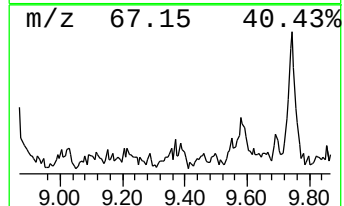
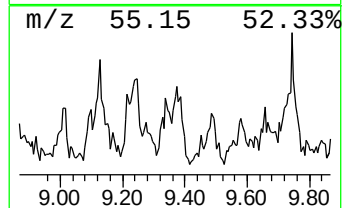
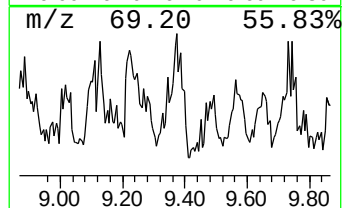
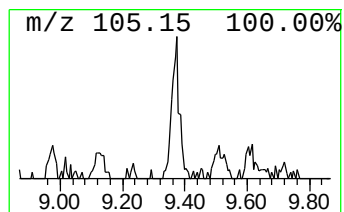
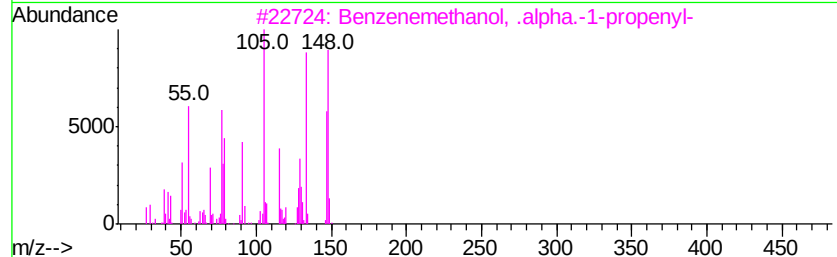
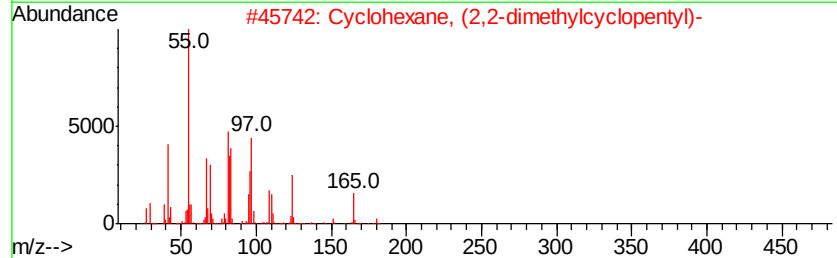
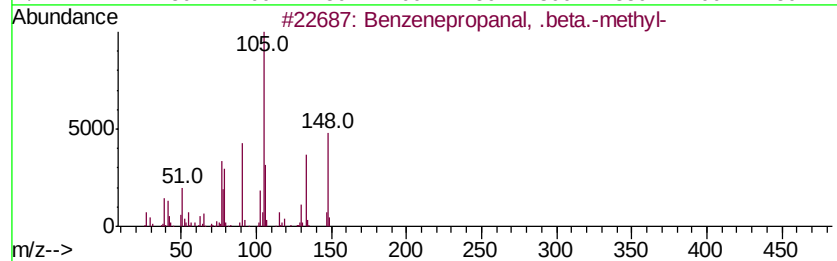
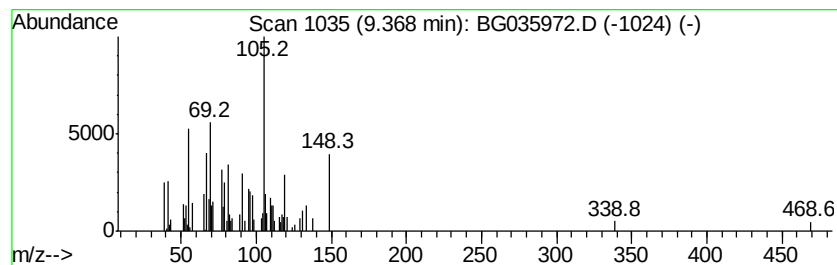
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown9.37 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	9.51 ng	116366	1,4-Dichlorobenzene-d4	8.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	18
2		Cyclohexane, (2,2-dimethylcyclopentyl)-	180	C13H24	061142-23-2	12
3		Benzenemethanol, .alpha.-1-propenyl-	148	C10H12O	003347-57-7	11
4		1,13-Tetradecadiene	194	C14H26	021964-49-8	10
5		(R)-(-)-(Z)-14-Methyl-8-hexadecene	254	C17H34O	030689-78-2	10



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
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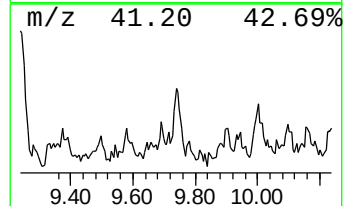
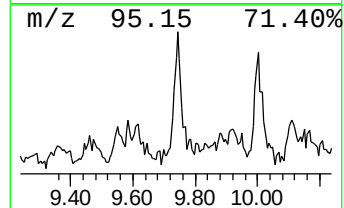
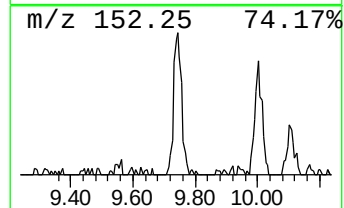
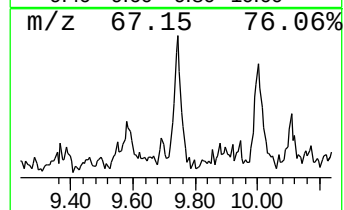
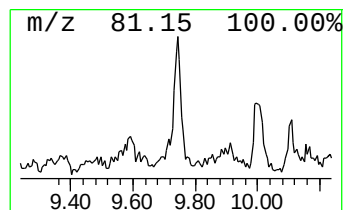
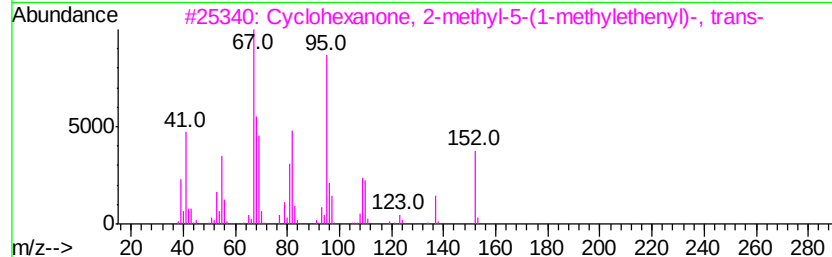
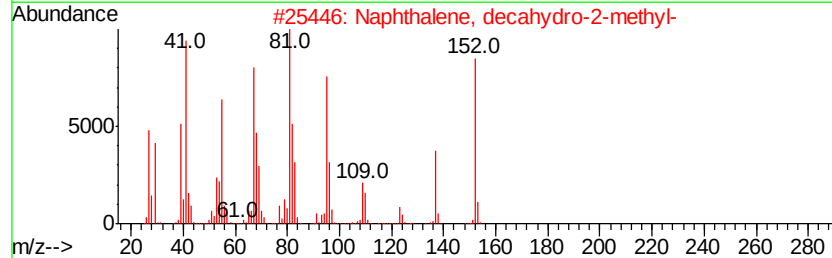
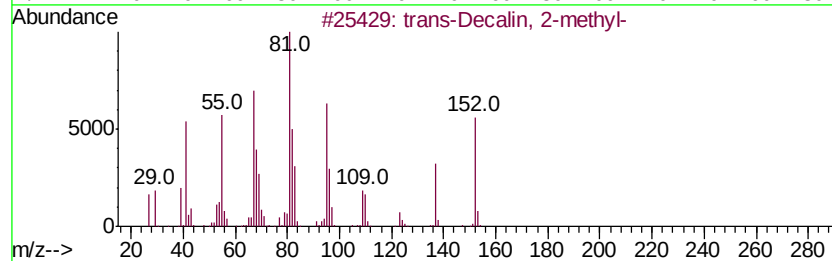
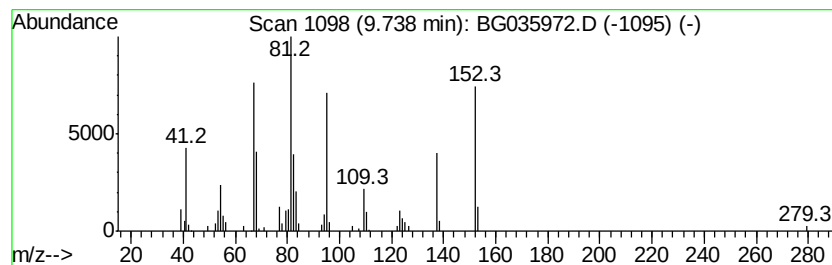
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 trans-Decalin, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.74	5.16 ng	94187	Naphthalene-d8	10.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
3	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	76
4	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	58
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	000529-00-0	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
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ALS Vial : 6 Sample Multiplier: 1

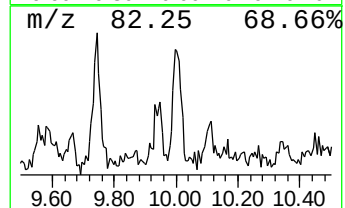
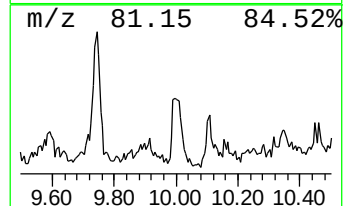
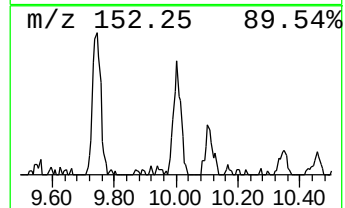
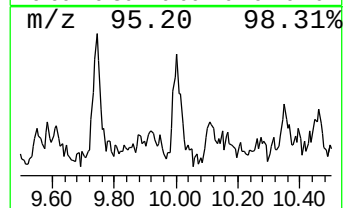
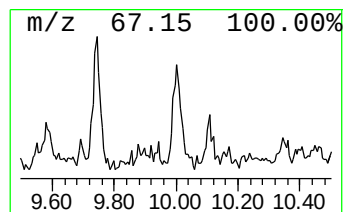
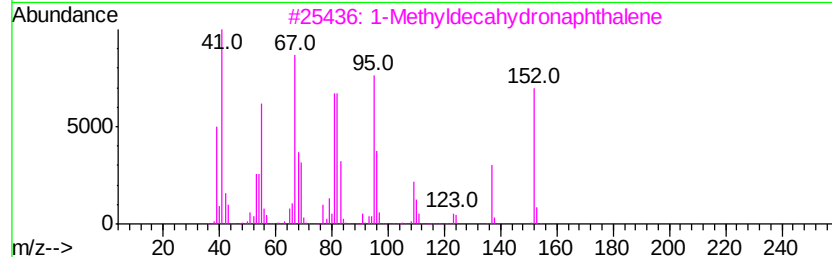
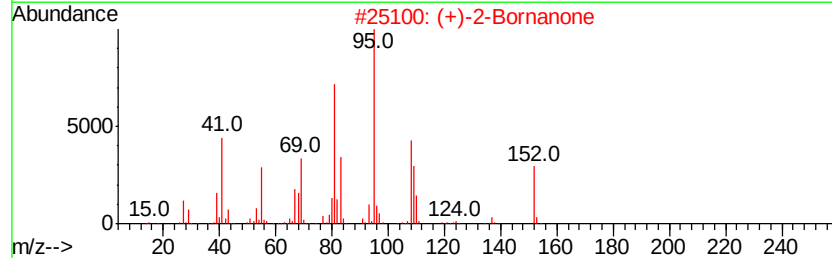
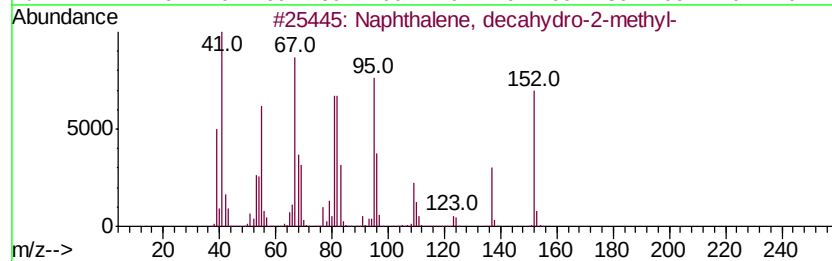
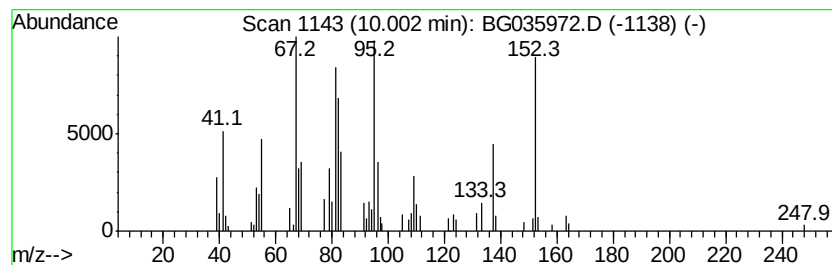
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ClientSampled :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, decahydro-2-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.00	7.69 ng	140283	Naphthalene-d8	10.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	86
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	86
3	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	86
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035972.D
Acq On : 30 Jul 2018 12:27
Operator : JU/SJ
Sample : J4161-02 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

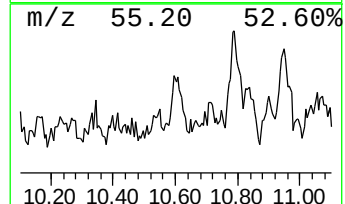
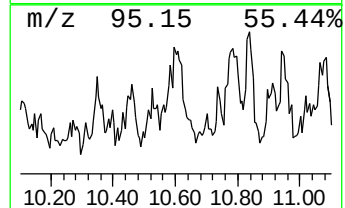
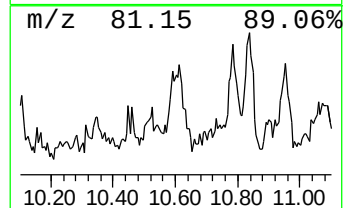
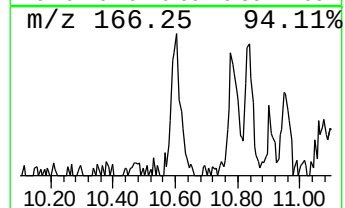
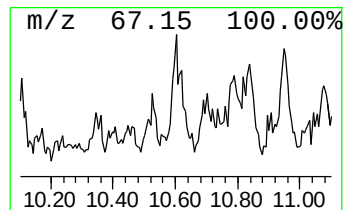
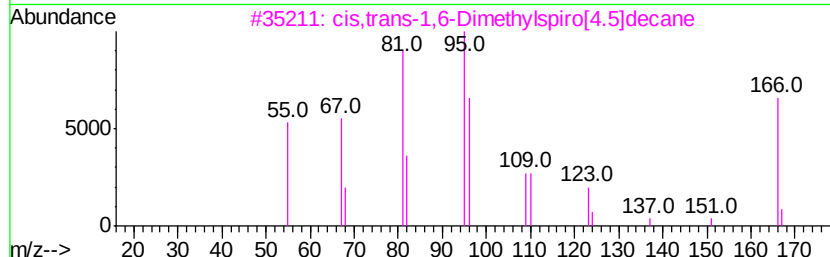
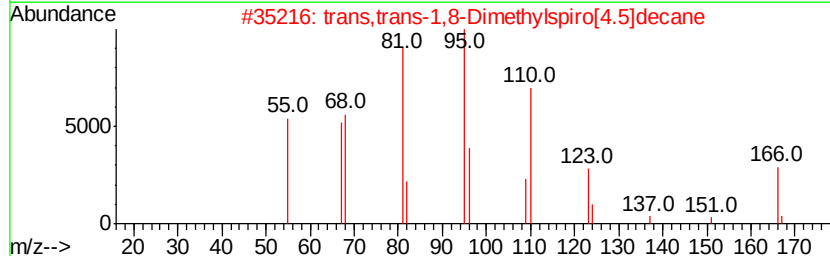
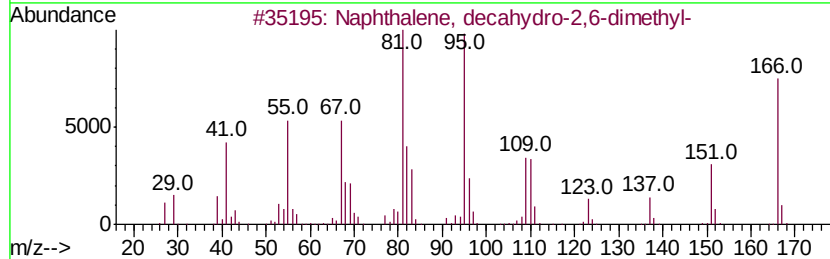
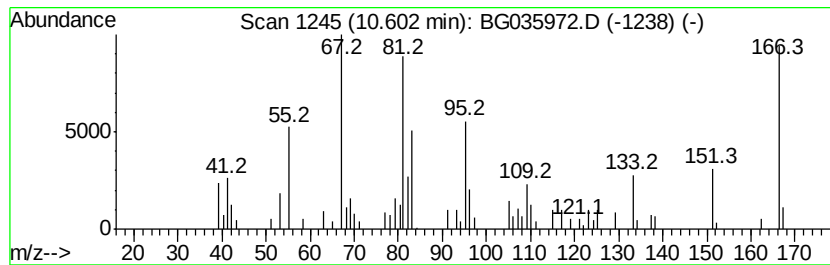
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, decahydro-2,6-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.60	5.39 ng	98343	Naphthalene-d8	10.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	91
2	trans,trans-1,8-Dimethylspiro[4....	166	C12H22	1000111-72-8	76
3	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	72
4	trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	68
5	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035972.D
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Sample : J4161-02 10X
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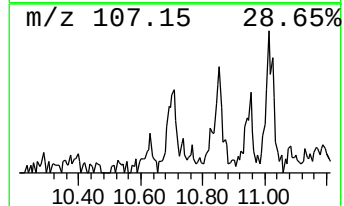
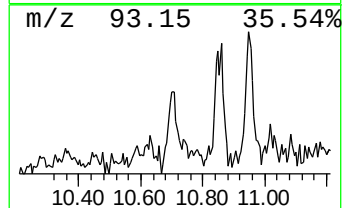
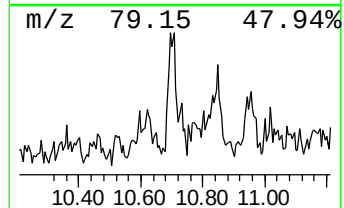
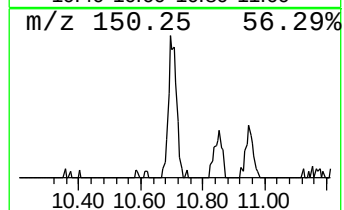
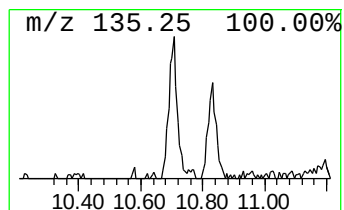
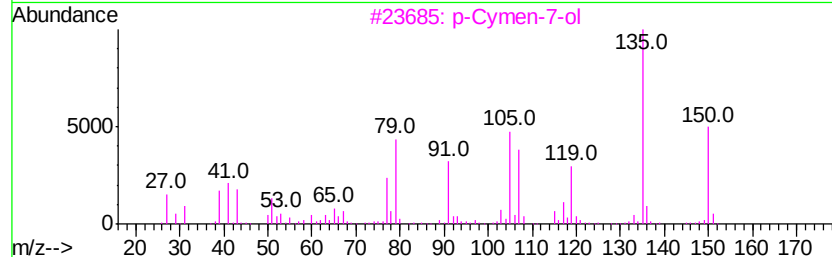
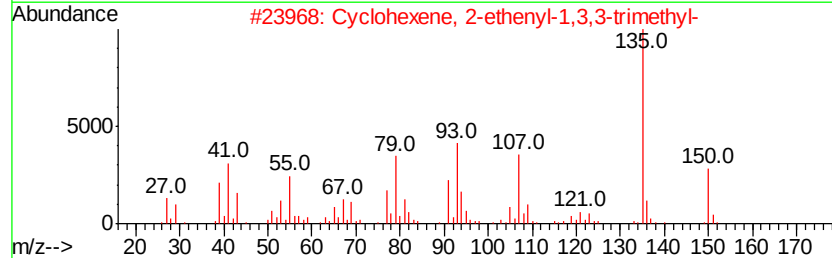
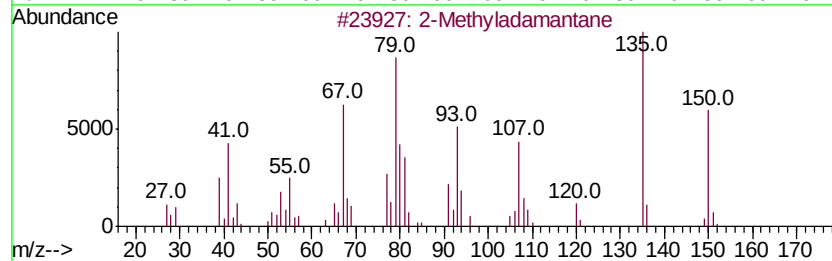
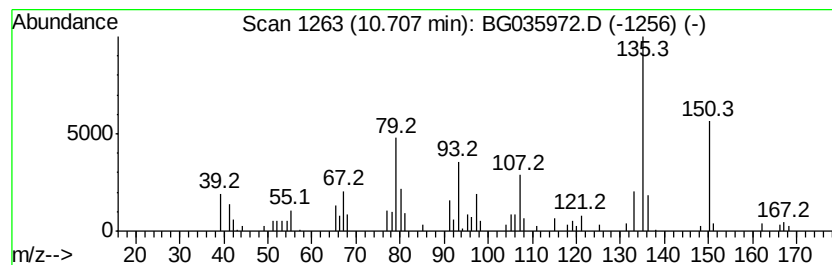
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 2-Methyladamantane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.71	5.81 ng	106037	Naphthalene-d8	10.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyladamantane	150	C11H18	000700-56-1	87
2	Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	76
3	p-Cymen-7-ol	150	C10H14O	000536-60-7	49
4	Tricyclo[3.3.1.1(3,7)]decane, 1-...	181	C10H15NO2	007575-82-8	47
5	1-Ethyladamantane	164	C12H20	000770-69-4	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035972.D
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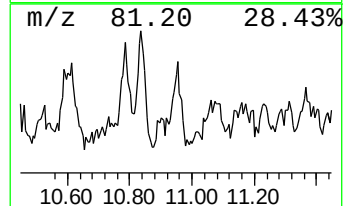
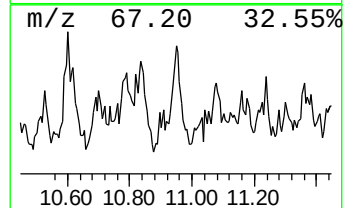
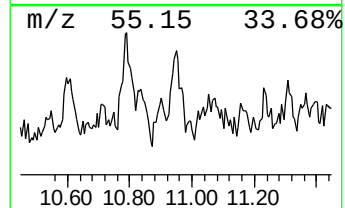
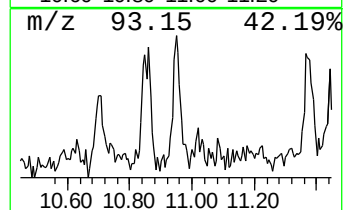
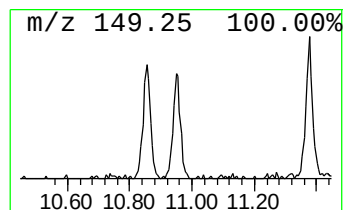
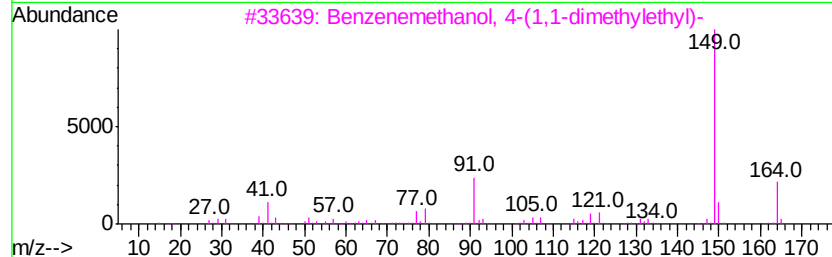
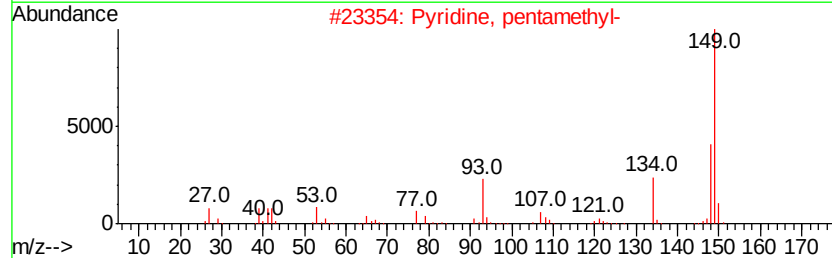
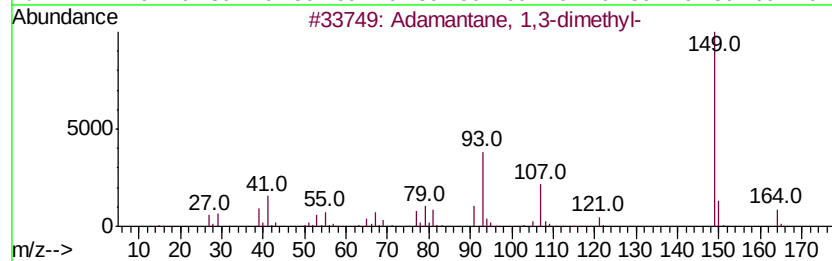
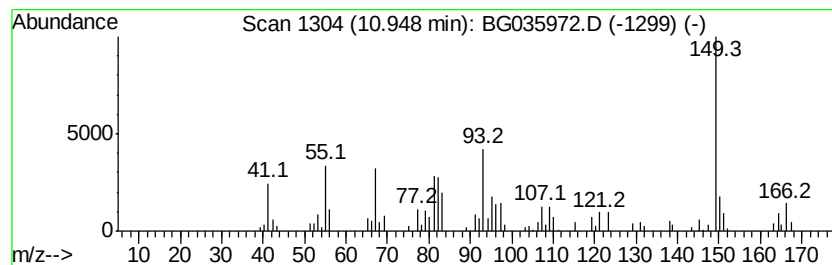
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Adamantane, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.95	6.42 ng	117125	Naphthalene-d8	10.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	64
2	Pyridine, pentamethyl-	149	C10H15N	003748-83-2	47
3	Benzenemethanol, 4-(1,1-dimethyl...	164	C11H16O	000877-65-6	43
4	Tricyclo[3.3.1.1(3,7)]decanone, ...	276	C10H13IO	056781-85-2	43
5	2-(3-Methylbuta-1,3-dienyl)cyclo...	164	C11H16O	1000191-75-5	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
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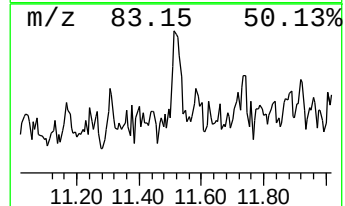
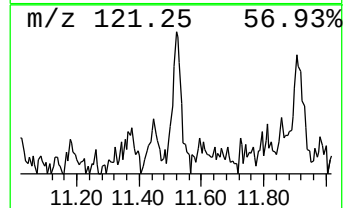
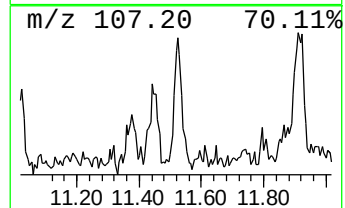
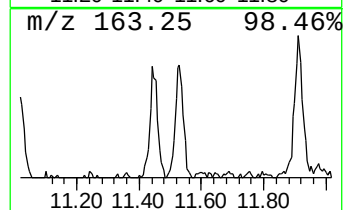
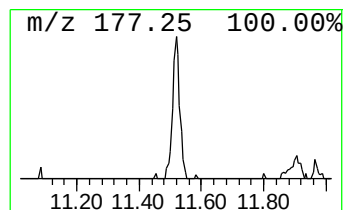
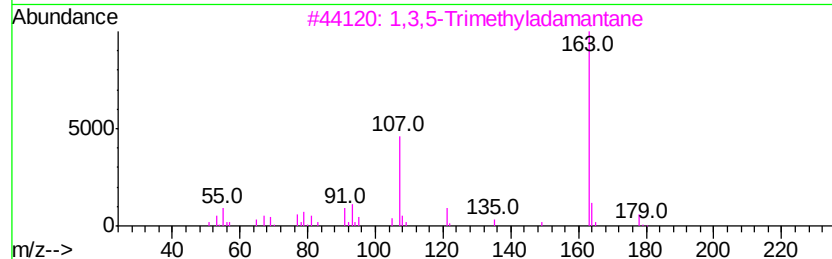
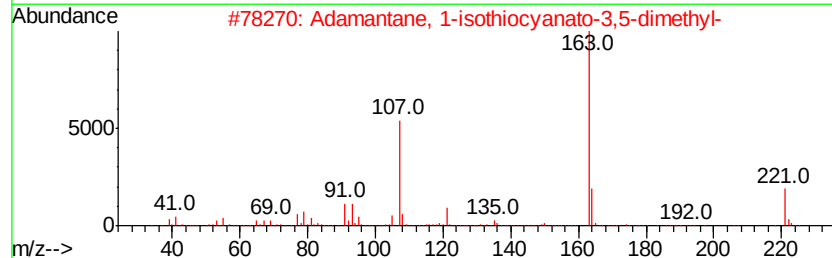
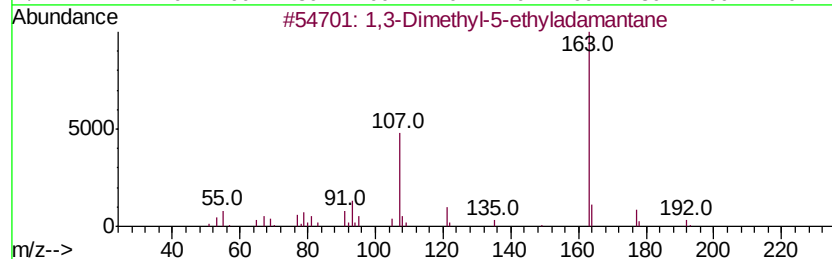
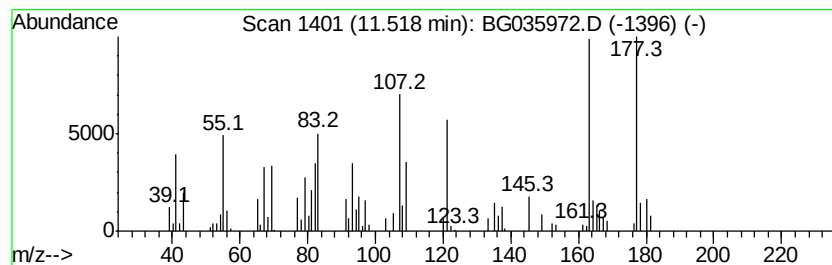
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown11.52 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	6.09 ng	111052	Naphthalene-d8	10.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Dimethyl-5-ethyladamantane	192	C14H24	001687-35-0	49
2		Adamantane, 1-isothiocyanato-3,5...	221	C13H19NS	136860-49-6	43
3		1,3,5-Trimethyladamantane	178	C13H22	000707-35-7	43
4		p-Propionotoluidide	163	C10H13NO	002759-55-9	38
5		Propofol	178	C12H18O	002078-54-8	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035972.D
Acq On : 30 Jul 2018 12:27
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Sample : J4161-02 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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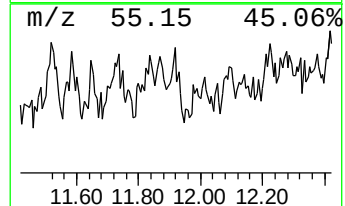
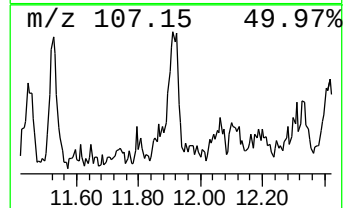
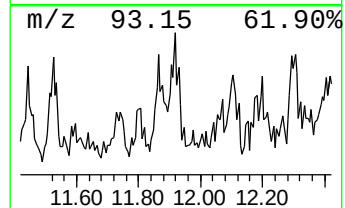
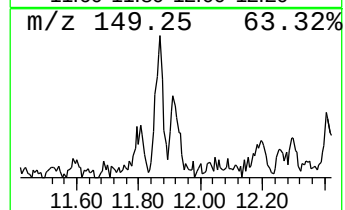
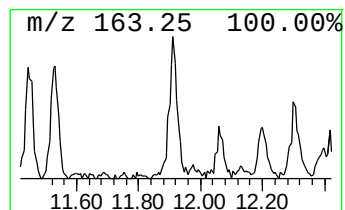
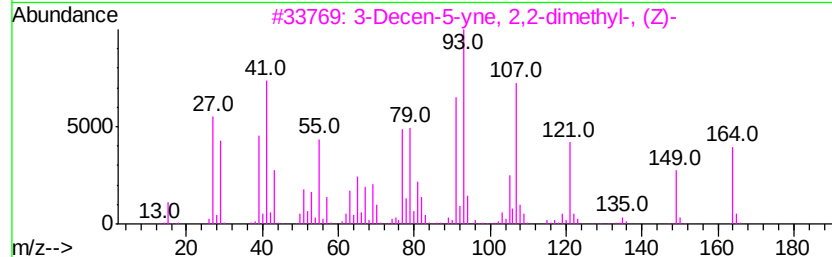
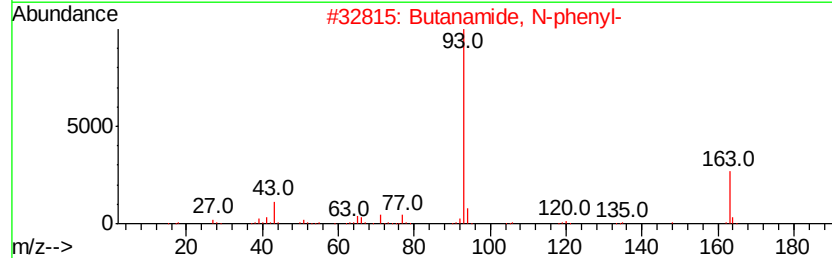
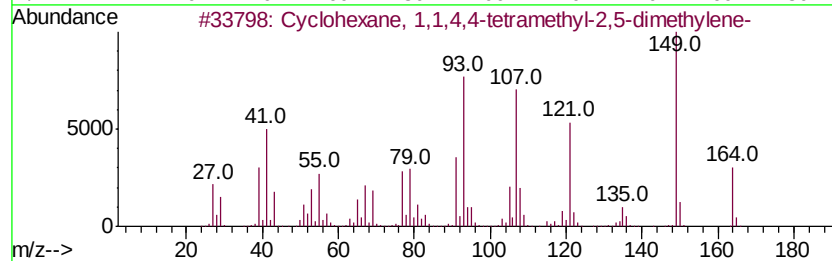
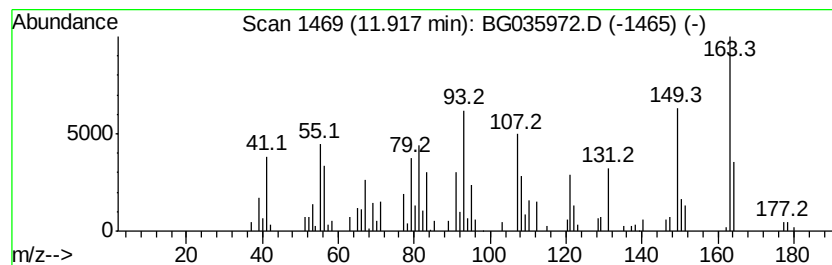
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown11.92 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	5.87 ng	107028	Naphthalene-d8	10.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,4,4-tetramethyl...	164	C12H20	1000154-20-4	38
2		Butanamide, N-phenyl-	163	C10H13NO	001129-50-6	30
3		3-Decen-5-yne, 2,2-dimethyl-, (Z)-	164	C12H20	055638-49-8	27
4		Tricyclo[4.3.1.1(3,8)]undecane, ...	228	C11H17Br	021898-96-4	22
5		1(2H)-Naphthalenone, 3,4,4a,5,6,...	164	C11H16O	1000221-37-6	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035972.D
Acq On : 30 Jul 2018 12:27
Operator : JU/SJ
Sample : J4161-02 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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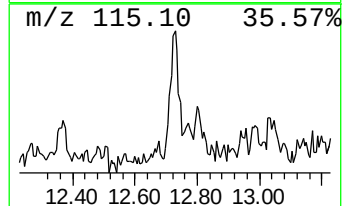
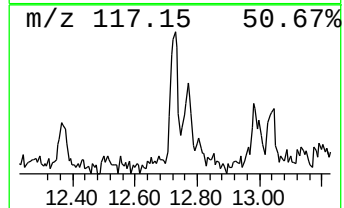
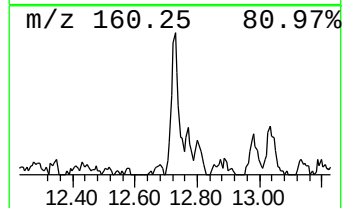
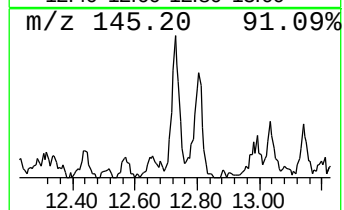
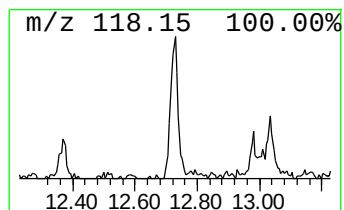
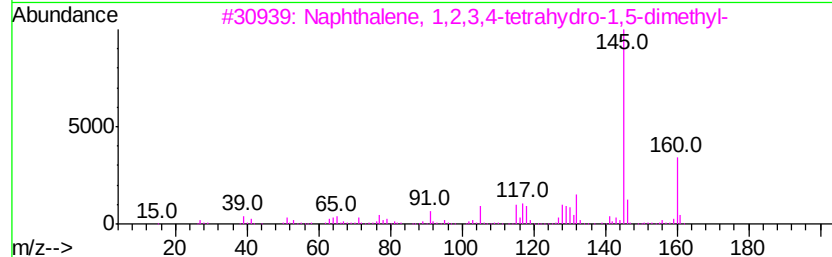
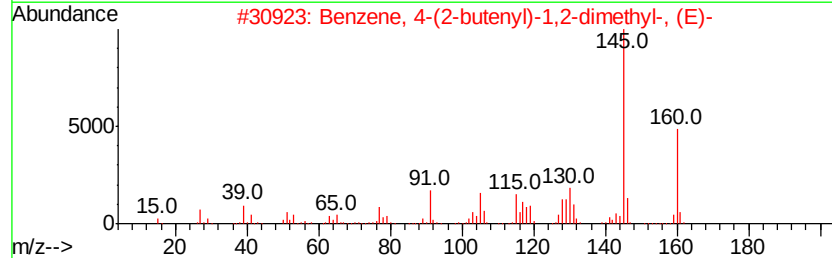
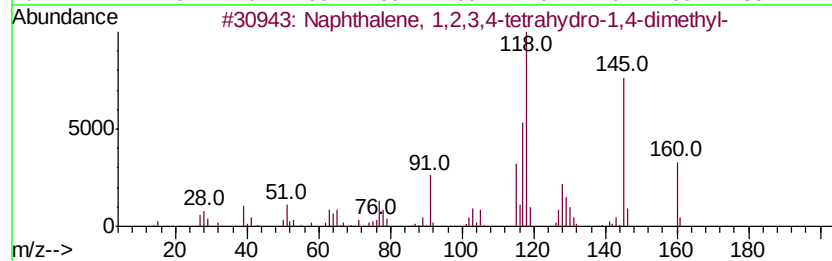
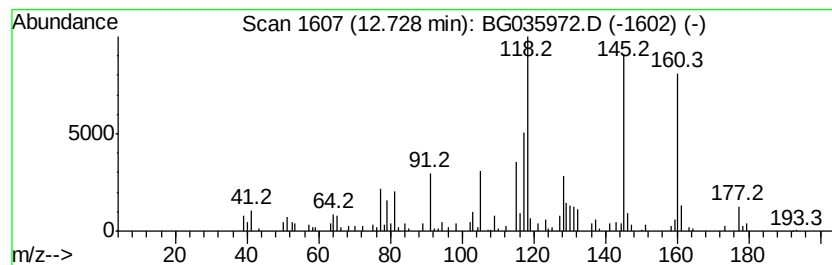
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	6.76 ng	123237	Naphthalene-d8	10.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	87
2		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	78
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	68
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	58
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
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Acq On : 30 Jul 2018 12:27
Operator : JU/SJ
Sample : J4161-02 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OIL

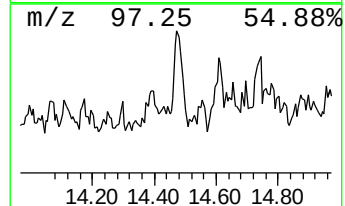
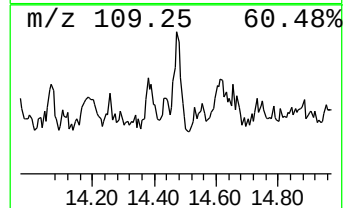
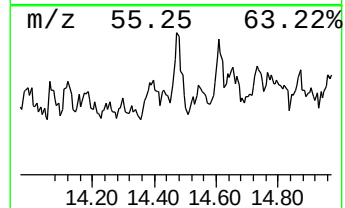
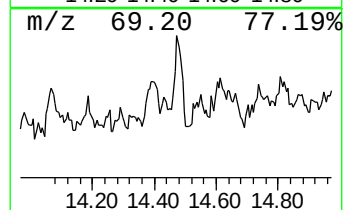
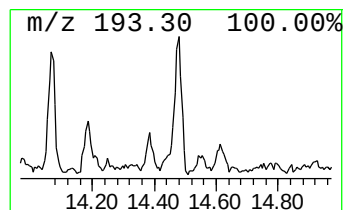
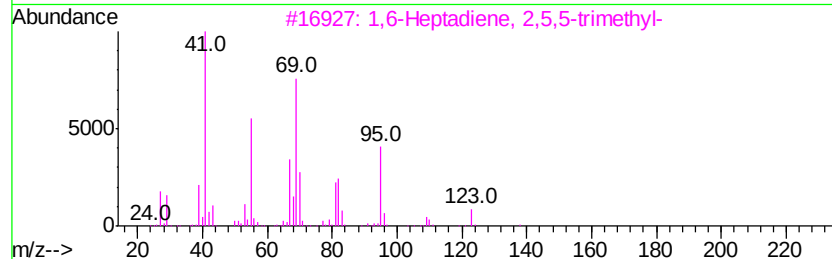
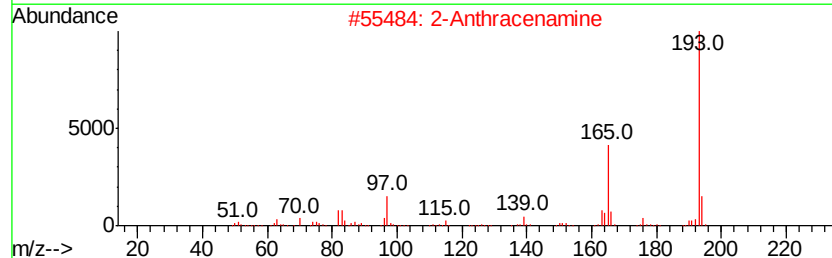
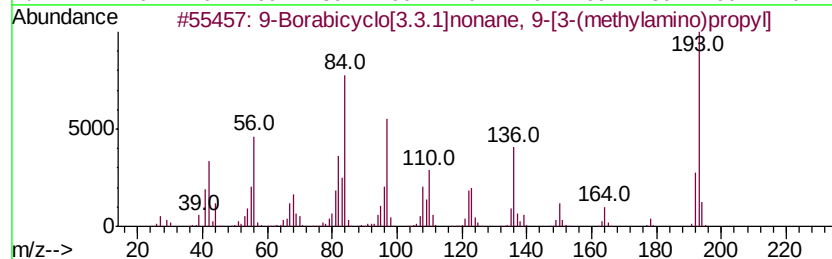
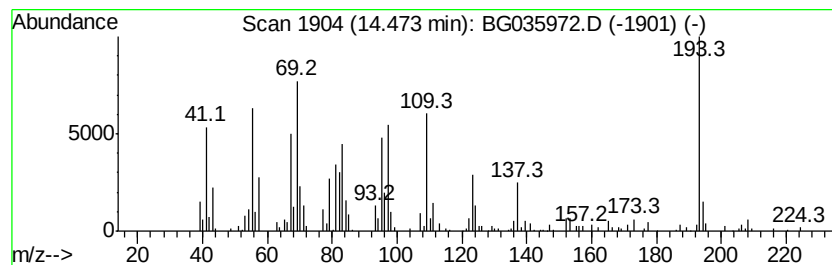
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown14.47 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	7.31 ng	277355	Acenaphthene-d10	14.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Borabicyclo[3.3.1]nonane, 9-[3...	193	C12H24BN	1000162-56-0	35
2		2-Anthracenamine	193	C14H11N	000613-13-8	30
3		1,6-Heptadiene, 2,5,5-trimethyl-	138	C10H18	062238-28-2	22
4		Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	14
5		2(1H)-Benzocyclooctenone, decahy...	194	C13H22O	055103-68-9	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035972.D
Acq On : 30 Jul 2018 12:27
Operator : JU/SJ
Sample : J4161-02 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

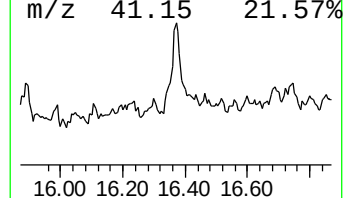
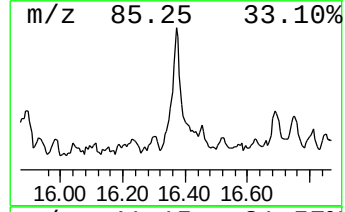
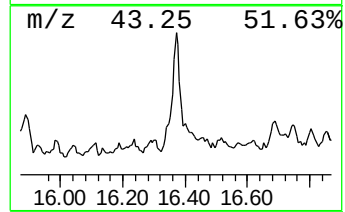
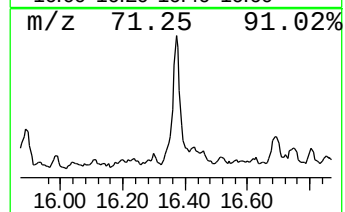
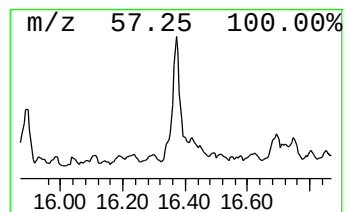
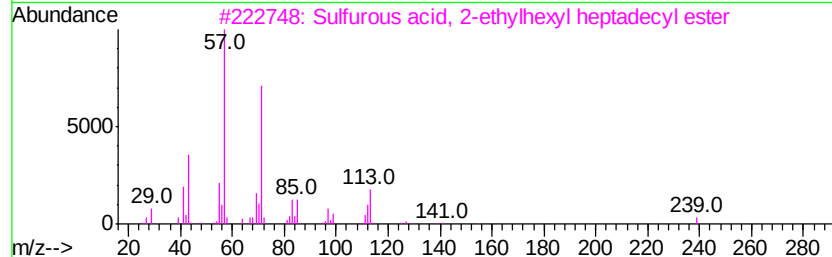
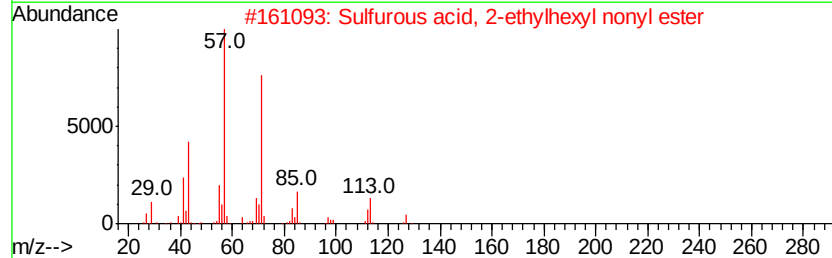
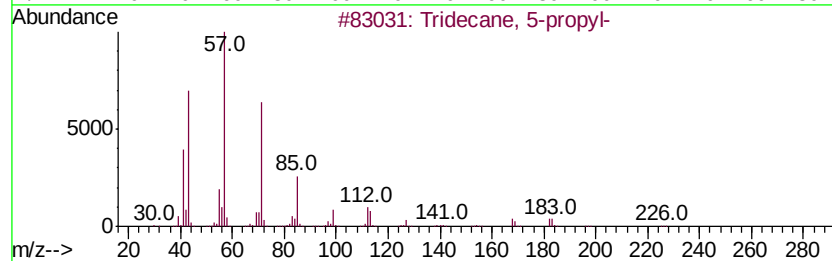
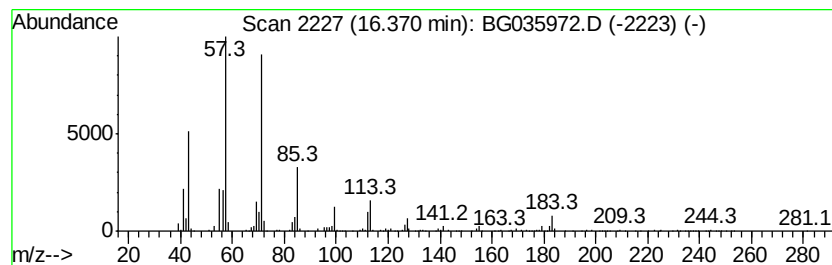
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tridecane, 5-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.37	18.40 ng	614672	Phenanthrene-d10	17.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
2	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72
3	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	72
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
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 Sample : J4161-02 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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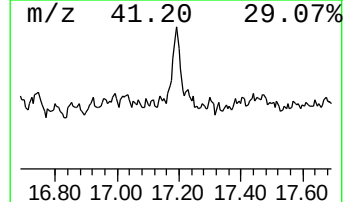
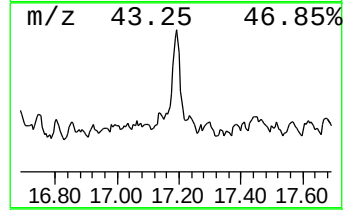
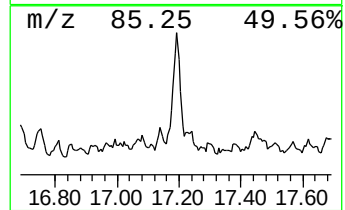
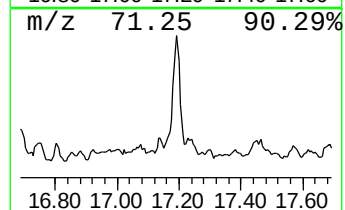
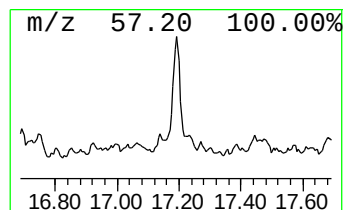
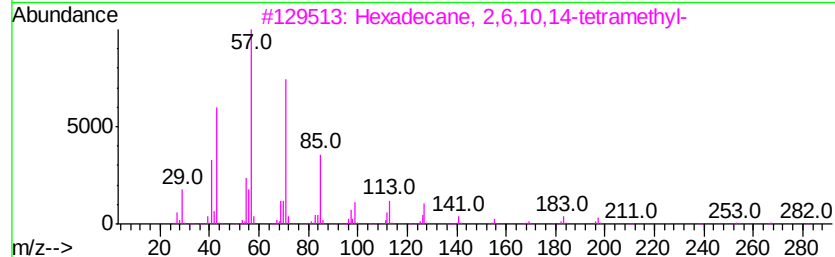
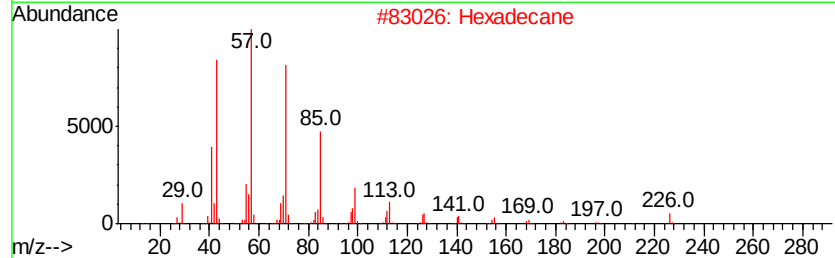
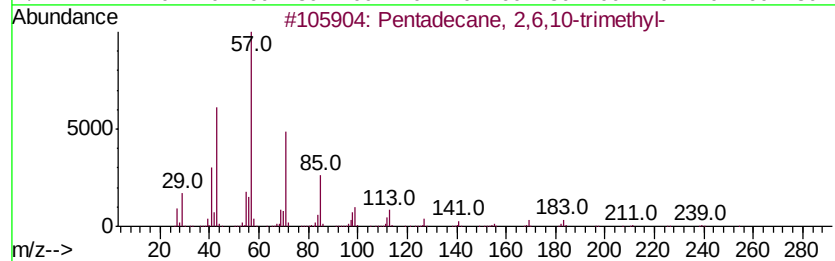
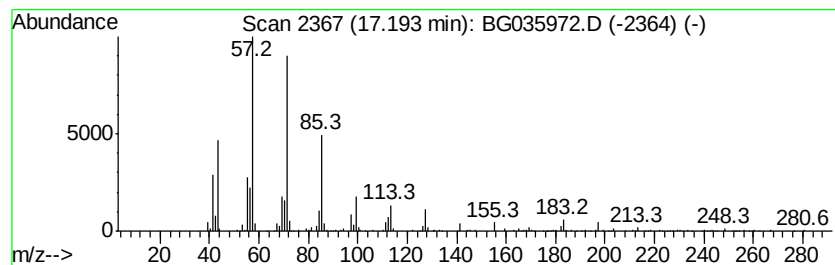
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 20 Pentadecane, 2,6,10-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	14.44 ng	482275	Phenanthrene-d10	17.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	91
2		Hexadecane	226	C16H34	000544-76-3	90
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
4		Hexadecane, 2-methyl-	240	C17H36	001560-92-5	87
5		Heptadecane	240	C17H36	000629-78-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG073018\
Data File : BG035972.D
Acq On : 30 Jul 2018 12:27
Operator : JU/SJ
Sample : J4161-02 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.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
Oxalic acid, ally...	6.04	5.4	ng	65674	1	8.02	244781	20.0
Decane	7.64	10.0	ng	122093	1	8.02	244781	20.0
Benzene, 1,2,4-tr...	7.67	5.8	ng	70815	1	8.02	244781	20.0
Cyclohexane, (2-m...	8.30	5.6	ng	68404	1	8.02	244781	20.0
unknown8.67	8.67	5.7	ng	69346	1	8.02	244781	20.0
Naphthalene, deca...	8.85	6.9	ng	84120	1	8.02	244781	20.0
unknown9.13	9.13	7.0	ng	85385	1	8.02	244781	20.0
Undecane	9.24	10.7	ng	131179	1	8.02	244781	20.0
unknown9.37	9.37	9.5	ng	116366	1	8.02	244781	20.0
trans-Decalin, 2-...	9.74	5.2	ng	94187	2	10.82	364844	20.0
Naphthalene, deca...	10.00	7.7	ng	140283	2	10.82	364844	20.0
Naphthalene, deca...	10.60	5.4	ng	98343	2	10.82	364844	20.0
2-Methyladamantane	10.71	5.8	ng	106037	2	10.82	364844	20.0
Adamantane, 1,3-d...	10.95	6.4	ng	117125	2	10.82	364844	20.0
unknown11.52	11.52	6.1	ng	111052	2	10.82	364844	20.0
unknown11.92	11.92	5.9	ng	107028	2	10.82	364844	20.0
Naphthalene, 1,2,...	12.73	6.8	ng	123237	2	10.82	364844	20.0
unknown14.47	14.47	7.3	ng	277355	3	14.65	759250	20.0
Tridecane, 5-propyl-	16.37	18.4	ng	614672	4	17.39	668203	20.0
Pentadecane, 2,6,...	17.19	14.4	ng	482275	4	17.39	668203	20.0