

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
 Data File : BG038566.D
 Acq On : 14 Dec 2018 13:08
 Operator : JU/SJ
 Sample : J6329-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 072-DUP-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	4.198	181	189	197	rVB7	12470	37585	3.76%	0.199%
2	4.274	197	202	213	rBV4	35023	69900	6.98%	0.369%
3	4.380	213	220	224	rBV4	28314	52493	5.24%	0.277%
4	4.521	238	244	249	rVV5	32249	67569	6.75%	0.357%
5	4.674	265	270	278	rBV4	35677	79676	7.96%	0.421%
6	4.750	278	283	287	rBV	28690	46043	4.60%	0.243%
7	4.944	308	316	323	rBV	78992	161971	16.18%	0.855%
8	5.038	328	332	339	rVB	63365	111042	11.09%	0.586%
9	5.138	339	349	351	rBV6	28421	77222	7.72%	0.408%
10	5.215	357	362	367	rBV	95972	162523	16.24%	0.858%
11	5.273	367	372	378	rVV5	29958	64101	6.40%	0.339%
12	5.455	398	403	412	rVB4	80038	174685	17.45%	0.923%
13	5.608	421	429	436	rBV	339754	588946	58.84%	3.110%
14	5.826	456	466	471	rBV4	43826	90566	9.05%	0.478%
15	5.896	471	478	484	rVV7	38237	82072	8.20%	0.433%
16	5.978	487	492	500	rVV4	78794	154139	15.40%	0.814%
17	6.043	500	503	509	rVB	45913	70293	7.02%	0.371%
18	6.114	509	515	523	rVB7	33061	76719	7.67%	0.405%
19	6.296	538	546	552	rBV4	99045	298272	29.80%	1.575%
20	6.401	558	564	574	rVB	78004	183786	18.36%	0.971%
21	6.495	574	580	583	rBV	76721	140750	14.06%	0.743%
22	6.566	588	592	597	rVV	210938	358882	35.86%	1.895%
23	6.619	598	601	603	rVV2	26473	37798	3.78%	0.200%
24	6.672	603	610	616	rVB5	85949	235998	23.58%	1.246%
25	6.772	624	627	633	rVB4	43009	75752	7.57%	0.400%
26	6.842	633	639	644	rBV5	50799	94584	9.45%	0.500%
27	6.901	644	649	656	rVV5	34979	84273	8.42%	0.445%
28	7.007	663	667	681	rVB5	66061	172037	17.19%	0.909%
29	7.124	681	687	690	rBV5	34270	55212	5.52%	0.292%
30	7.177	690	696	697	rBV2	146208	224486	22.43%	1.186%
31	7.212	697	702	711	rVB	357256	729588	72.90%	3.853%
32	7.353	721	726	732	rVB4	47438	87677	8.76%	0.463%
33	7.418	732	737	741	rBV3	30106	49748	4.97%	0.263%
34	7.477	741	747	750	rVB5	23542	43714	4.37%	0.231%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.524	750	755	759	rBV6	44669	88112	8.80%	0.465%
36	7.588	759	766	772	rVB	340618	603098	60.26%	3.185%
37	7.647	772	776	784	rVB	53504	108309	10.82%	0.572%
38	7.753	790	794	799	rBV3	41797	63135	6.31%	0.333%
39	7.806	799	803	808	rBV3	93277	161846	16.17%	0.855%
40	7.906	815	820	822	rBV4	62778	103244	10.32%	0.545%
41	7.941	824	826	831	rVV5	55845	95275	9.52%	0.503%
42	7.994	831	835	841	rVB	193602	317143	31.69%	1.675%
43	8.058	841	846	849	rBV2	81811	149866	14.97%	0.791%
44	8.158	859	863	867	rBV3	33633	66784	6.67%	0.353%
45	8.205	867	871	878	rVV2	120934	230926	23.07%	1.220%
46	8.276	878	883	887	rVV	94630	168944	16.88%	0.892%
47	8.317	887	890	893	rVV5	42635	74844	7.48%	0.395%
48	8.381	893	901	907	rVB2	273899	602574	60.21%	3.182%
49	8.446	907	912	915	rBV4	32106	57941	5.79%	0.306%
50	8.540	922	928	933	rBV3	84233	195744	19.56%	1.034%
51	8.605	934	939	948	rVB6	77285	195602	19.54%	1.033%
52	8.693	951	954	959	rBV7	20823	33467	3.34%	0.177%
53	8.810	967	974	980	rVB7	32983	92138	9.21%	0.487%
54	8.887	980	987	991	rBV5	109061	238399	23.82%	1.259%
55	9.145	1019	1031	1036	rBV5	86098	293994	29.37%	1.553%
56	9.233	1040	1046	1053	rVB	252720	484157	48.37%	2.557%
57	9.386	1061	1072	1079	rBV10	94484	346388	34.61%	1.829%
58	9.451	1080	1083	1085	rBV4	27765	36816	3.68%	0.194%
59	9.674	1116	1121	1127	rVB3	134592	247955	24.77%	1.310%
60	9.745	1128	1133	1134	rVV4	34072	60660	6.06%	0.320%
61	9.780	1134	1139	1147	rVB5	102781	245000	24.48%	1.294%
62	9.938	1155	1166	1174	rVV4	98572	284265	28.40%	1.501%
63	10.038	1178	1183	1192	rVV8	126518	373532	37.32%	1.973%
64	10.132	1195	1199	1213	rVB7	124516	317735	31.75%	1.678%
65	10.432	1243	1250	1255	rVB8	37685	82024	8.20%	0.433%
66	10.555	1266	1271	1277	rVB2	99646	189714	18.96%	1.002%
67	10.626	1279	1283	1288	rBV5	32292	57440	5.74%	0.303%
68	10.884	1322	1327	1337	rVB5	148705	411046	41.07%	2.171%
69	10.984	1338	1344	1350	rVB2	272712	553489	55.30%	2.923%
70	11.067	1351	1358	1364	rBV4	124061	282650	28.24%	1.493%
71	11.225	1378	1385	1388	rBV5	41835	93473	9.34%	0.494%

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Sampling : 1 Min Area: 3 % of largest Peak
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72	11.278	1390	1394	1398	rVV4	47072	95874	9.58%	0.506%
73	11.337	1400	1404	1410	rVB5	67453	133814	13.37%	0.707%
74	11.466	1422	1426	1432	rVB3	44109	74903	7.48%	0.396%
75	11.548	1435	1440	1449	rVB6	82891	204188	20.40%	1.078%
76	11.631	1450	1454	1458	rBV3	44375	78084	7.80%	0.412%
77	11.754	1470	1475	1483	rBV8	41113	108854	10.88%	0.575%
78	11.848	1484	1491	1496	rVV3	101526	168050	16.79%	0.888%
79	11.901	1496	1500	1504	rBV5	28145	53482	5.34%	0.282%
80	12.065	1522	1528	1532	rBV5	44000	100683	10.06%	0.532%
81	12.306	1566	1569	1579	rVB9	26881	70133	7.01%	0.370%
82	12.600	1613	1619	1624	rBV7	23410	44280	4.42%	0.234%
83	13.188	1714	1719	1725	rBV3	36273	58327	5.83%	0.308%
84	13.317	1734	1741	1750	rVB	510718	828771	82.81%	4.377%
85	13.481	1763	1769	1779	rVB	10744	33708	3.37%	0.178%
86	14.134	1876	1880	1886	rVB3	50551	80468	8.04%	0.425%
87	14.421	1919	1929	1936	rBV3	10537	33246	3.32%	0.176%
88	14.698	1969	1976	1982	rBV2	187386	315030	31.48%	1.664%
89	15.156	2049	2054	2069	rBV7	14109	39542	3.95%	0.209%
90	15.896	2171	2180	2185	rBV4	29605	63050	6.30%	0.333%
91	16.184	2222	2229	2237	rVV2	467879	742768	74.21%	3.923%
92	16.378	2256	2262	2268	rBV	54500	93015	9.29%	0.491%
93	17.201	2397	2402	2407	rBV	45853	68049	6.80%	0.359%
94	17.441	2437	2443	2452	rBV2	234187	377711	37.74%	1.995%
95	18.299	2585	2589	2595	rBV4	54214	91437	9.14%	0.483%
96	19.492	2789	2792	2797	rBV	53590	68996	6.89%	0.364%
97	19.856	2851	2854	2861	rVB	75031	113929	11.38%	0.602%
98	20.044	2881	2886	2891	rBV	786096	1000848	100.00%	5.286%
99	21.719	3166	3171	3177	rVB2	224021	373892	37.36%	1.975%
100	25.015	3726	3732	3743	rVB	132722	371513	37.12%	1.962%

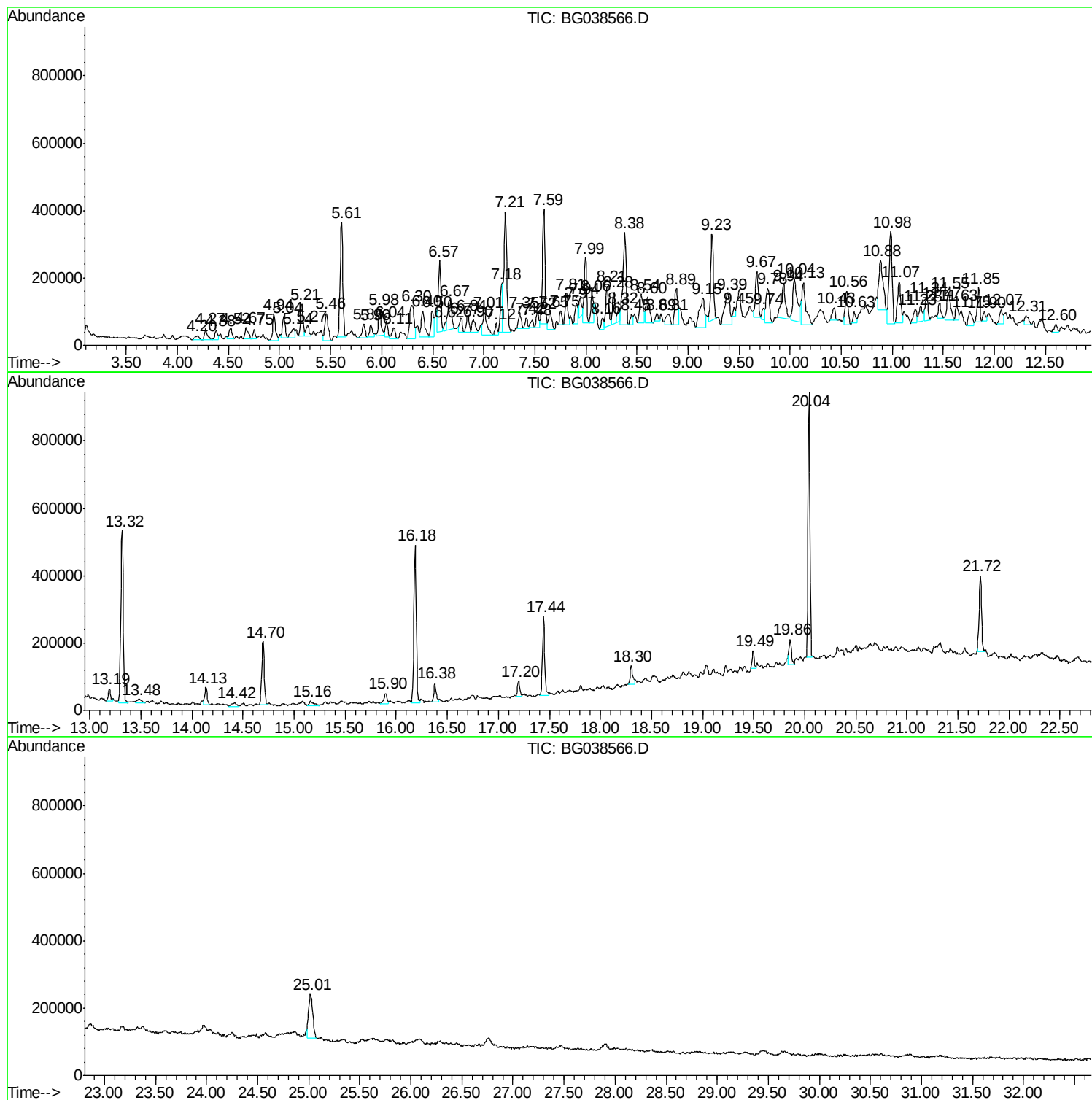
Sum of corrected areas: 18934476

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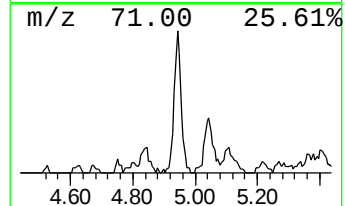
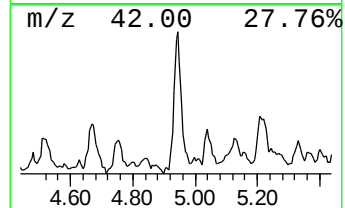
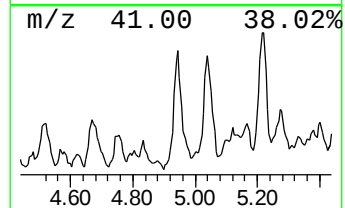
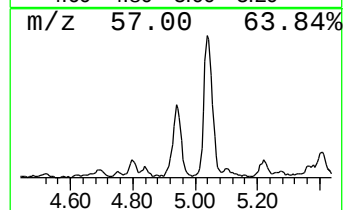
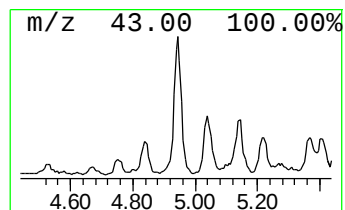
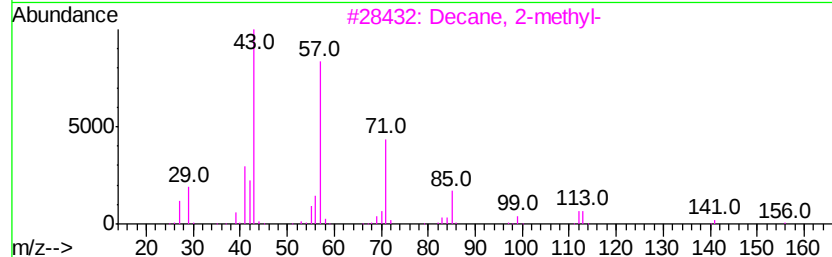
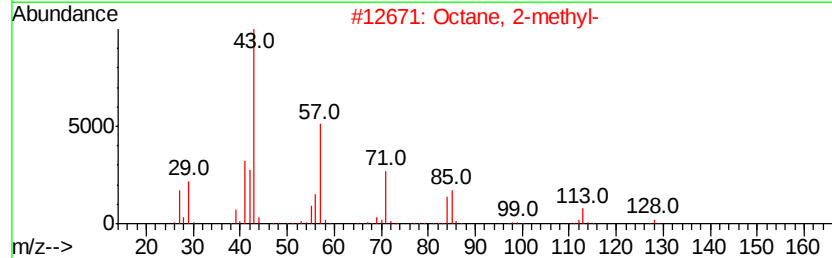
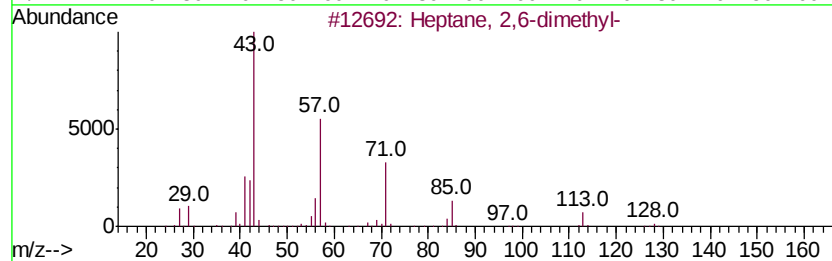
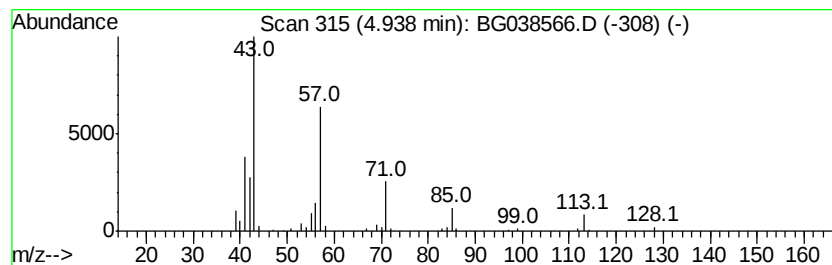
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Heptane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	21.62 ng	161971	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	91
2		Octane, 2-methyl-	128	C9H20	003221-61-2	87
3		Decane, 2-methyl-	156	C11H24	006975-98-0	59
4		Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	59
5		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	58



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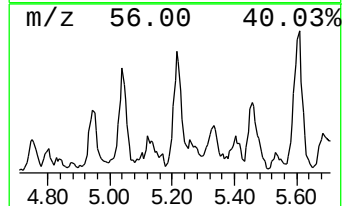
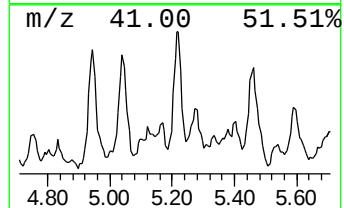
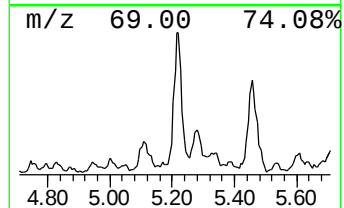
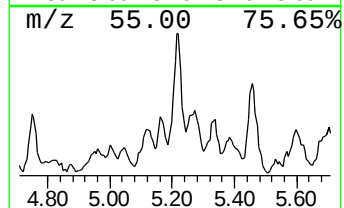
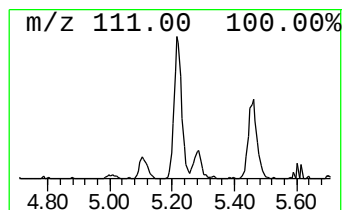
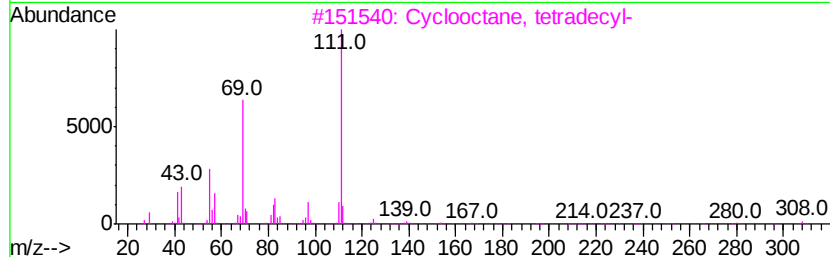
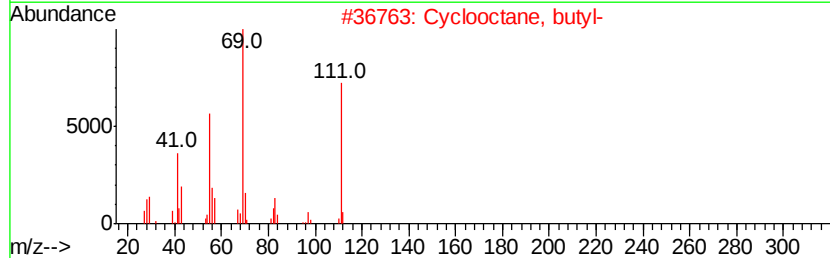
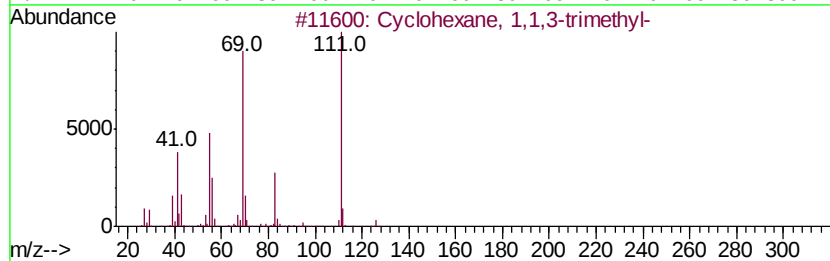
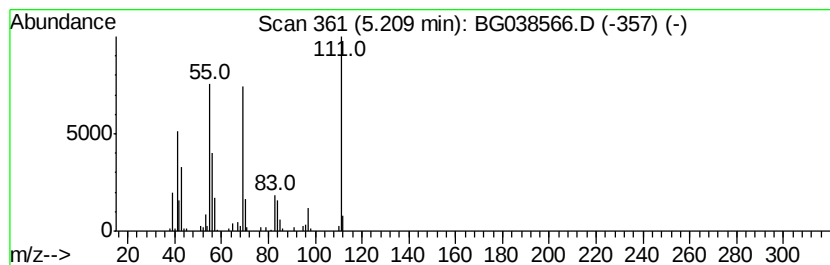
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	21.69 ng	162523	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	86
2		Cyclooctane, butyl-	168	C12H24	016538-93-5	59
3		Cyclooctane, tetradecyl-	308	C22H44	149003-36-1	53
4		Formic acid, 3-methylpentyl ester	130	C7H14O2	1000368-21-3	43
5		2(1H)-Pyridinone, 3-hydroxy-	111	C5H5NO2	016867-04-2	35



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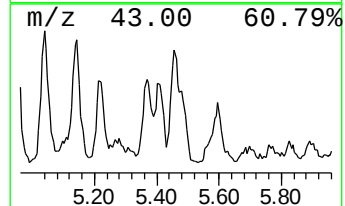
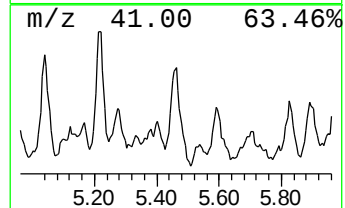
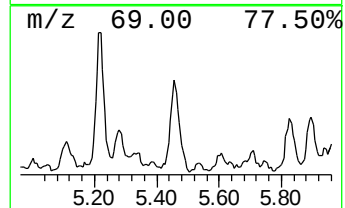
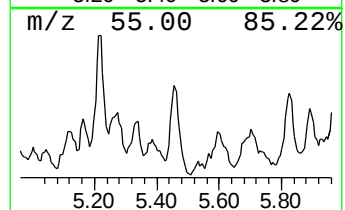
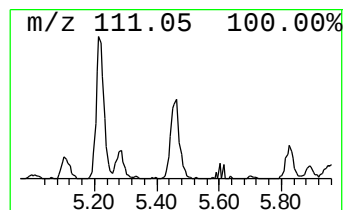
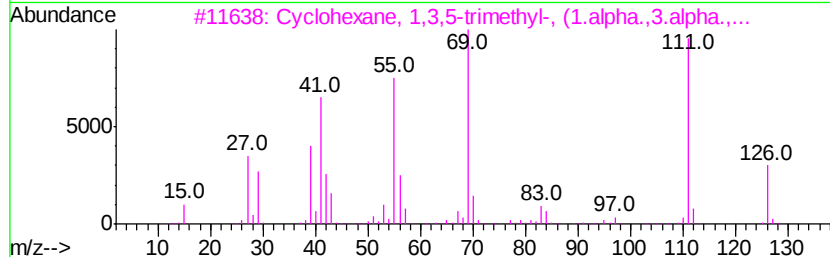
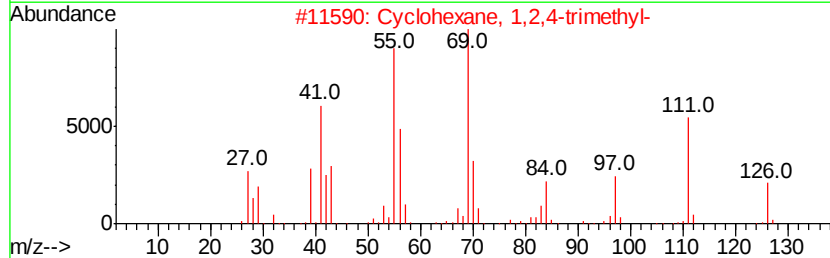
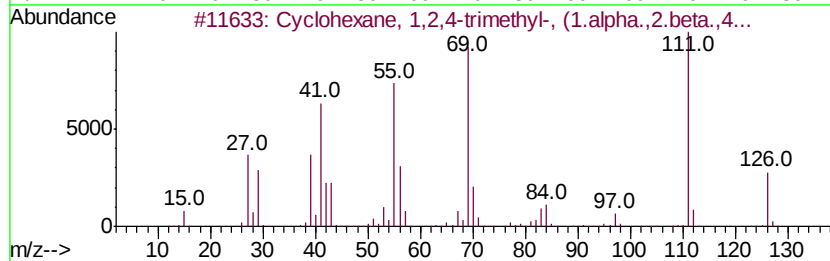
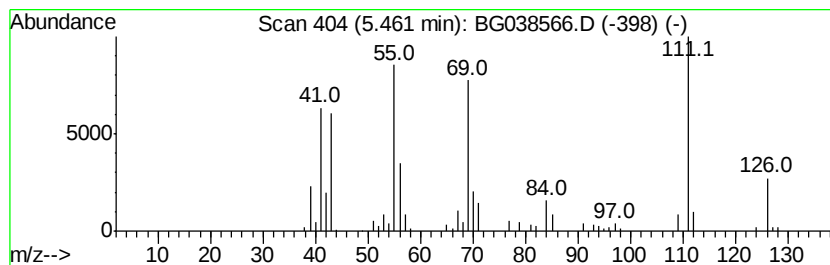
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Cyclohexane, 1,2,4-trimethy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.46	23.31 ng	174685	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
2		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	72
4		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	58
5		Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
Acq On : 14 Dec 2018 13:08
Operator : JU/SJ
Sample : J6329-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

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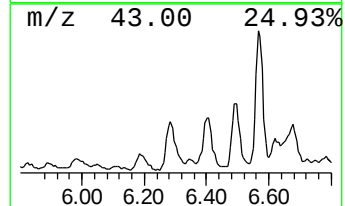
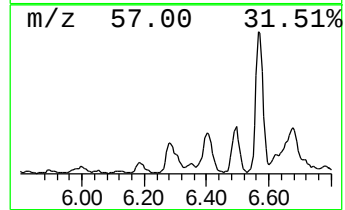
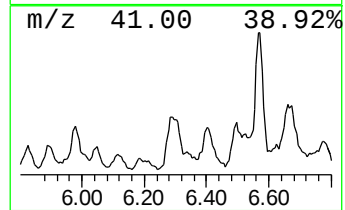
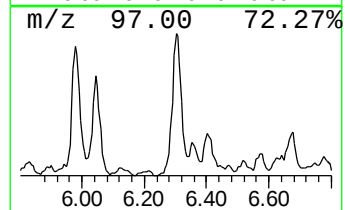
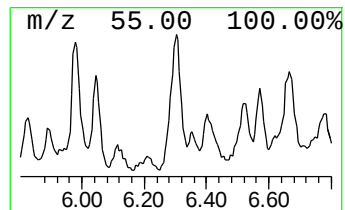
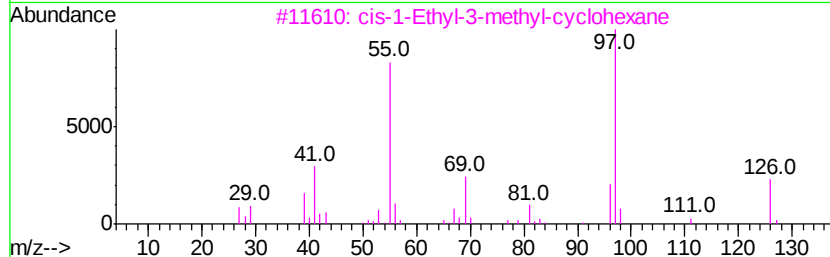
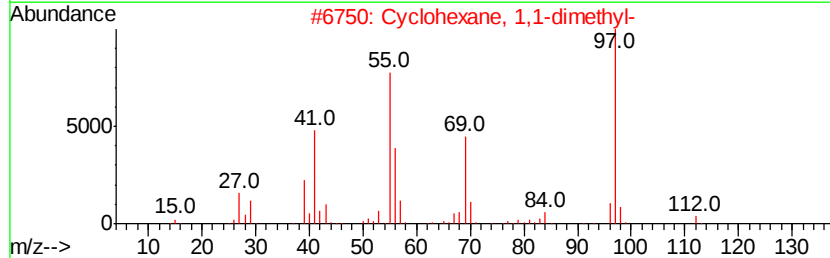
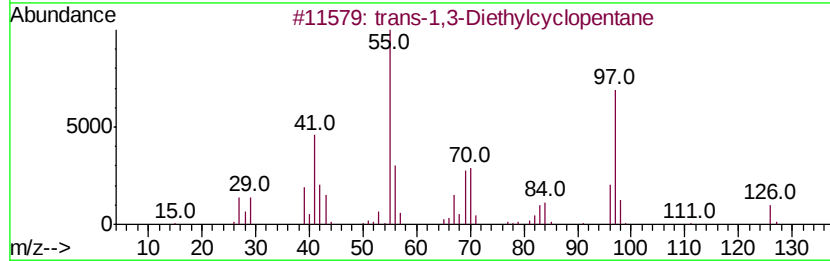
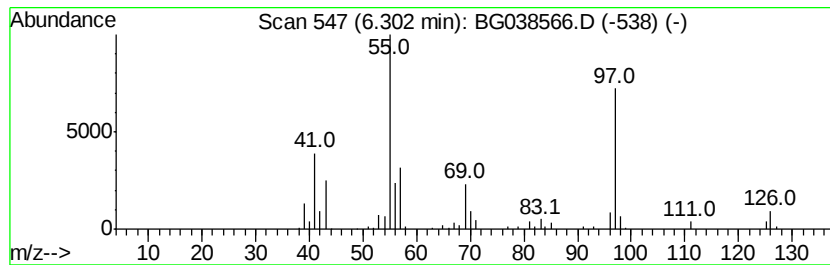
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 trans-1,3-Diethylcyclopentane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	39.81 ng	298272	1,4-Dichlorobenzene-d4	8.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	59
2			Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	59
3			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	53
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52
5			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
Acq On : 14 Dec 2018 13:08
Operator : JU/SJ
Sample : J6329-02
Misc :
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ClientSampleId :
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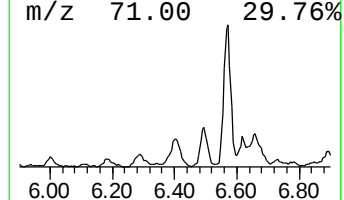
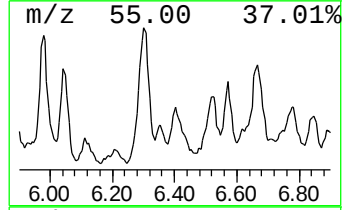
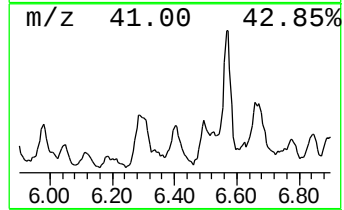
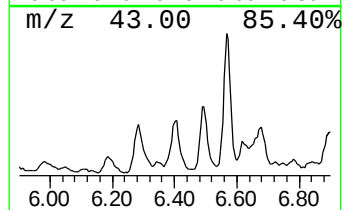
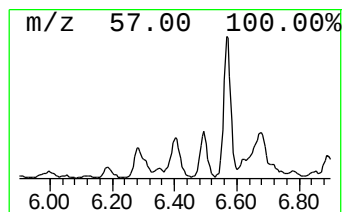
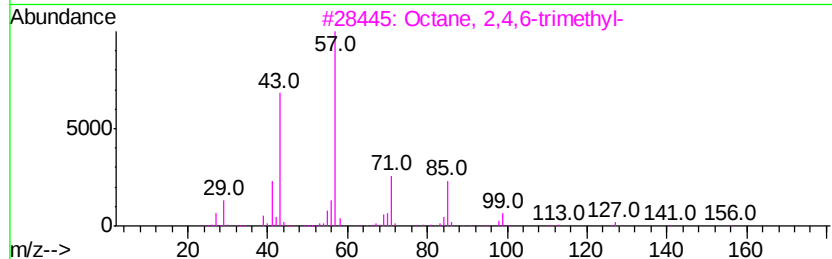
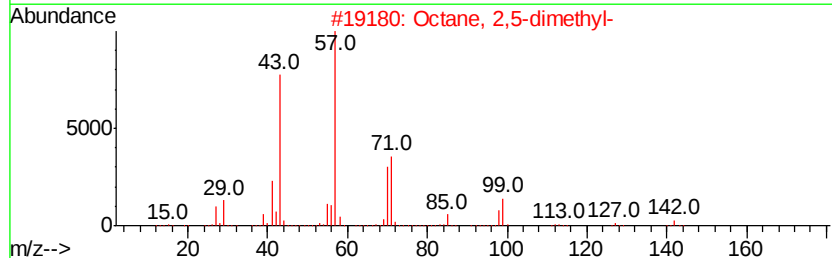
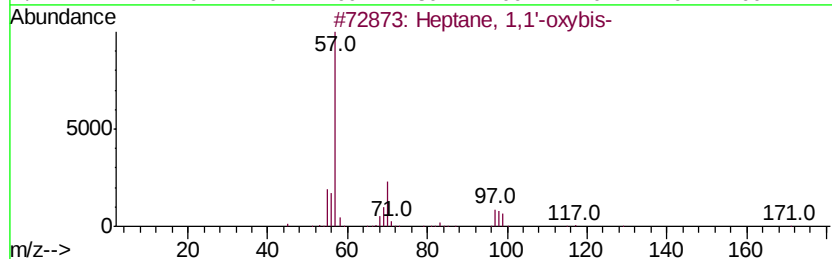
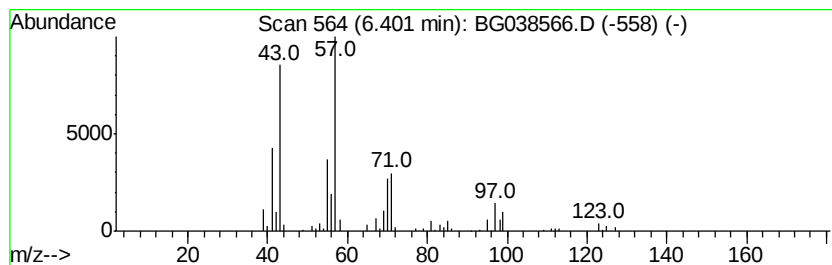
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Heptane, 1,1'-oxybis- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	24.53 ng	183786	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	53
2		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	53
3		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
4		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	50
5		Octadecane, 6-methyl-	268	C19H40	010544-96-4	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
Acq On : 14 Dec 2018 13:08
Operator : JU/SJ
Sample : J6329-02
Misc :
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Instrument :
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ClientSampled :
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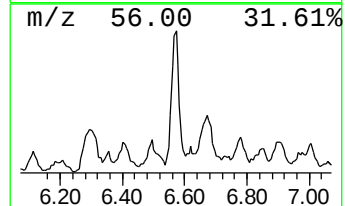
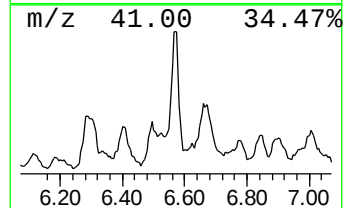
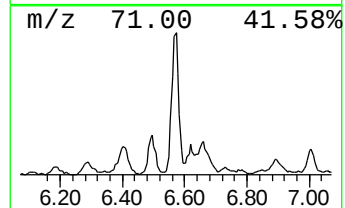
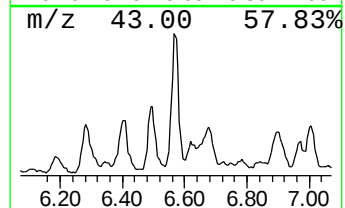
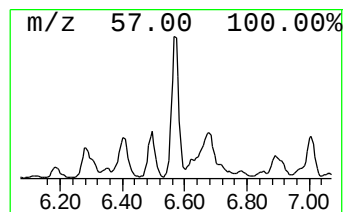
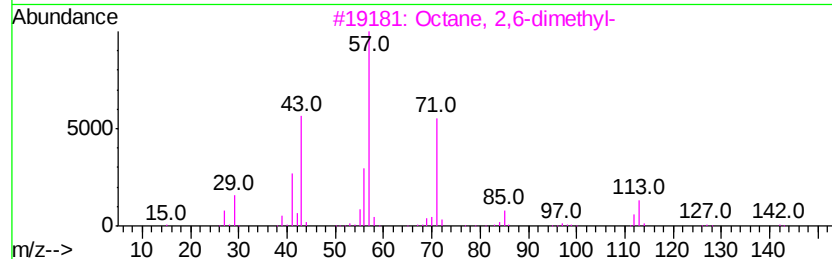
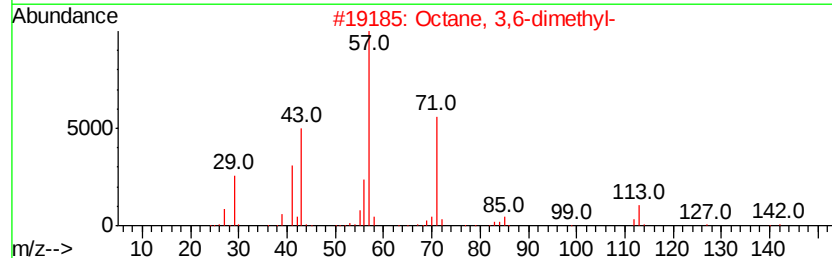
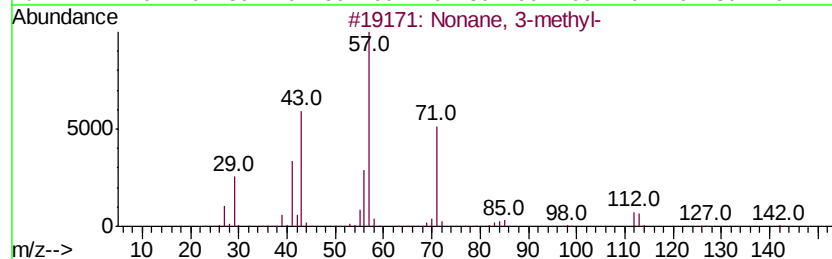
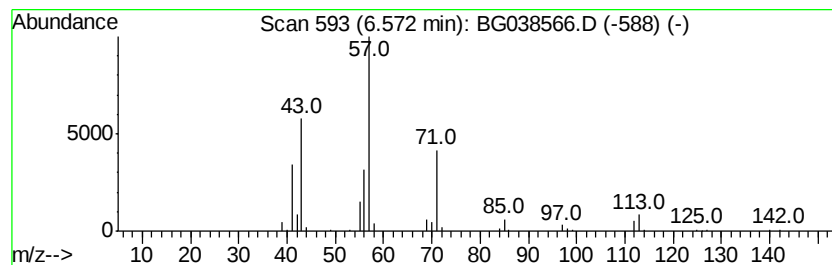
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Nonane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	47.89 ng	358882	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
4		Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	64
5		Undecane, 3-methyl-	170	C12H26	001002-43-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
Acq On : 14 Dec 2018 13:08
Operator : JU/SJ
Sample : J6329-02
Misc :
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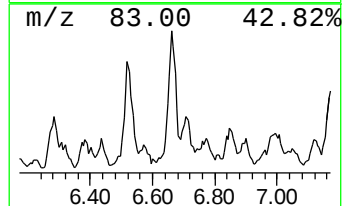
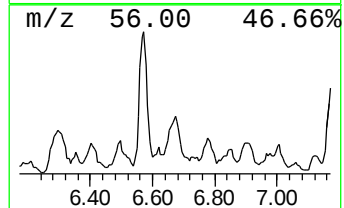
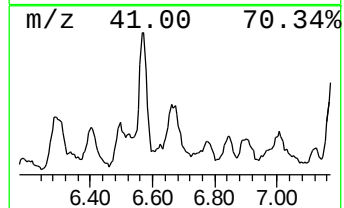
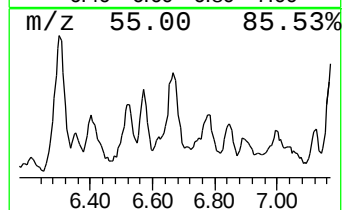
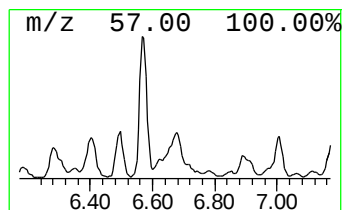
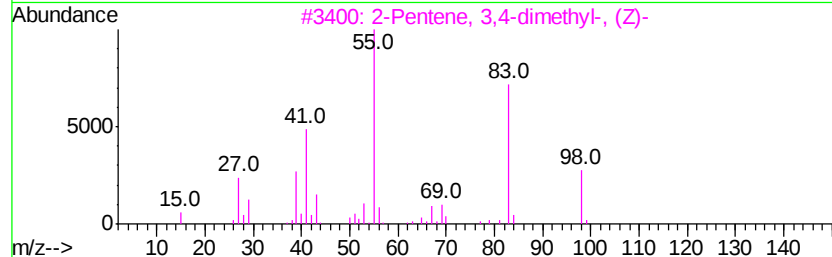
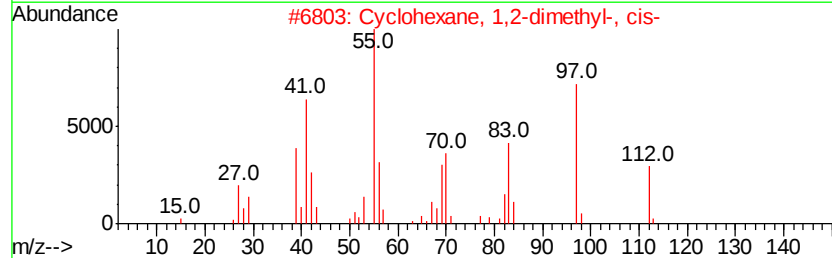
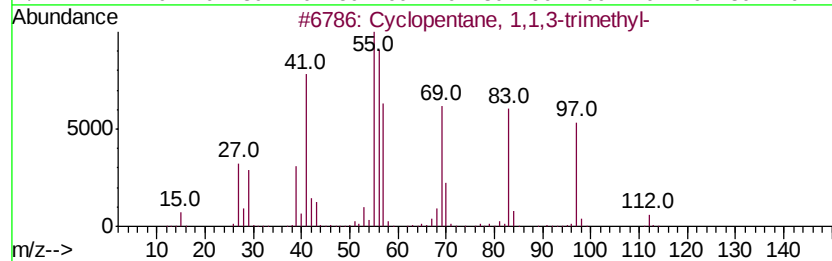
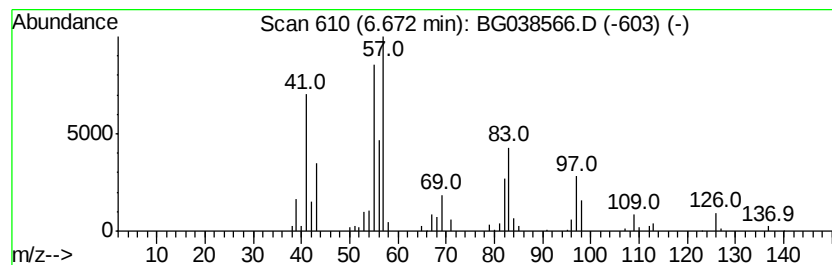
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown6.67 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	31.49 ng	235998	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	49
2		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	35
3		2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	30
4		3-Hexene, 2,2-dimethyl-	112	C8H16	003123-93-1	30
5		3-Heptene, 3-methyl-	112	C8H16	007300-03-0	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
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Misc :
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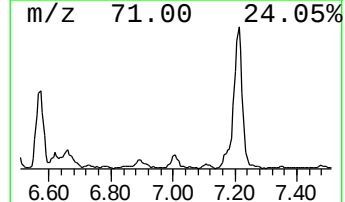
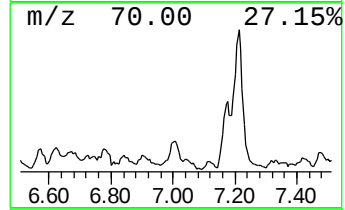
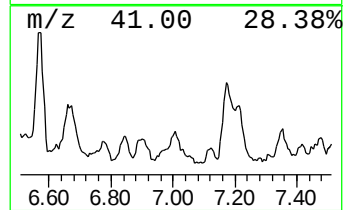
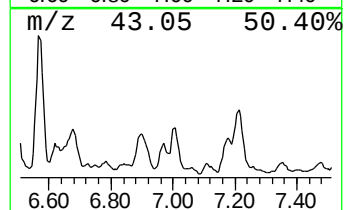
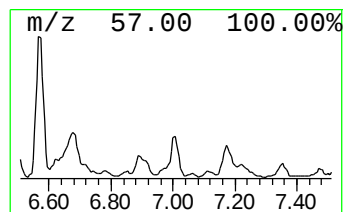
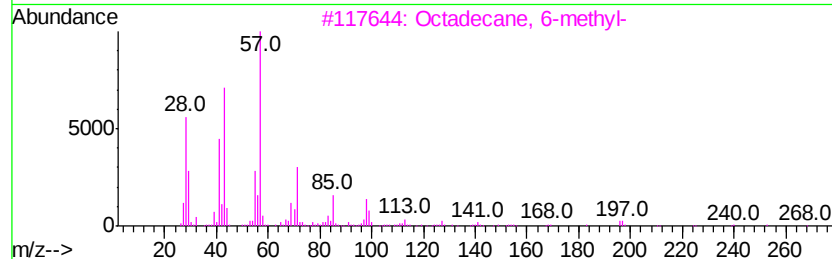
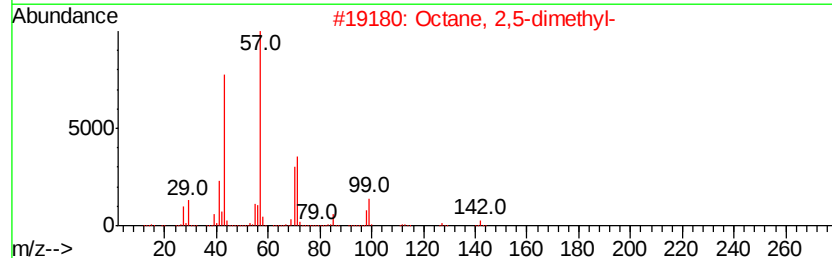
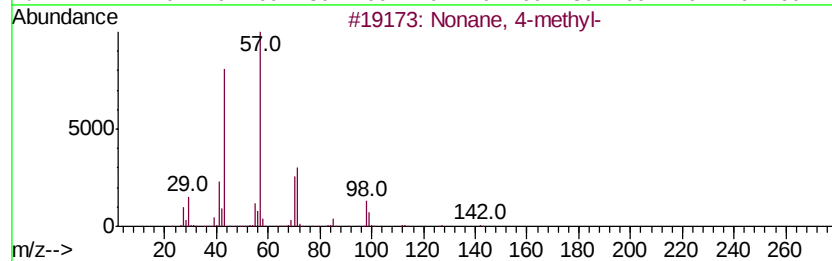
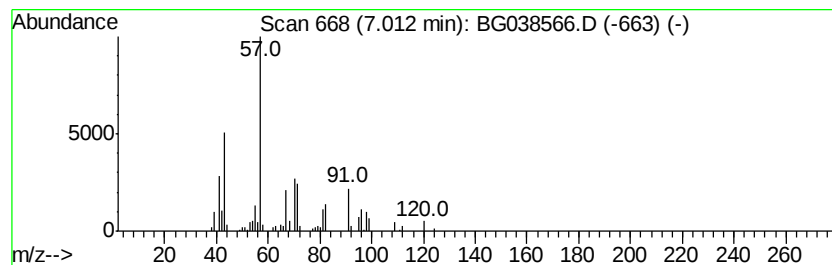
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Nonane, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.01	22.96 ng	172037	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	53
2		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	50
3		Octadecane, 6-methyl-	268	C19H40	010544-96-4	38
4		Heptane, 3-ethyl-	128	C9H20	015869-80-4	38
5		Carbonic acid, butyl octyl ester	230	C13H26O3	1000314-63-5	37



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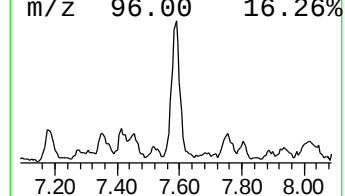
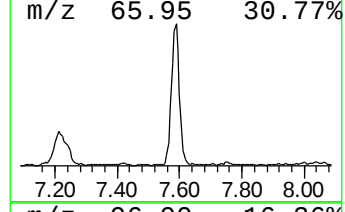
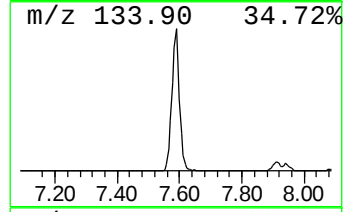
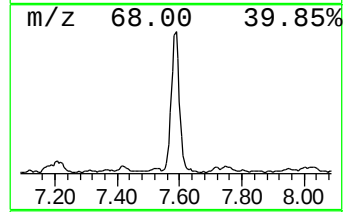
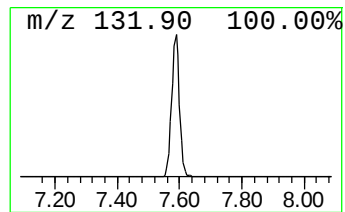
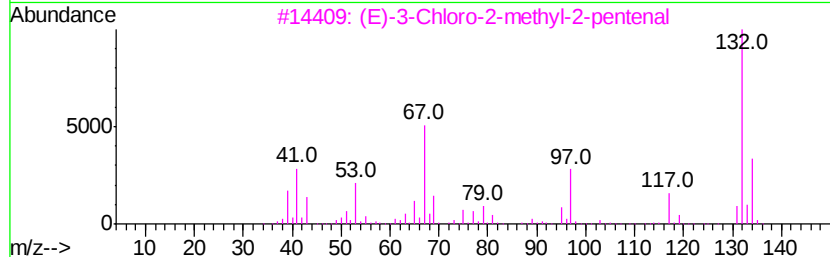
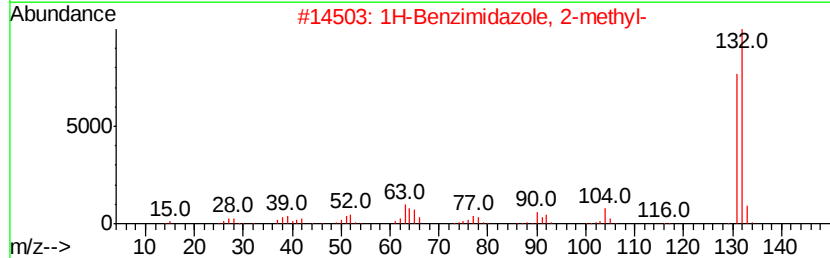
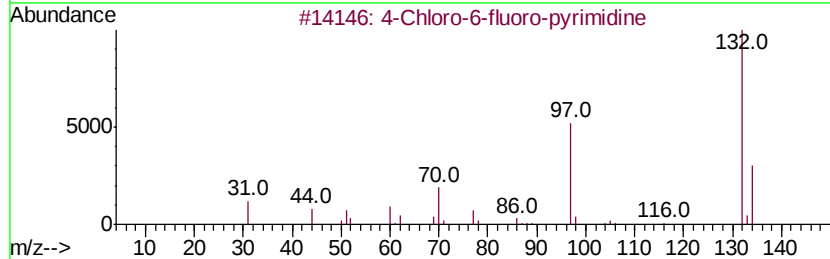
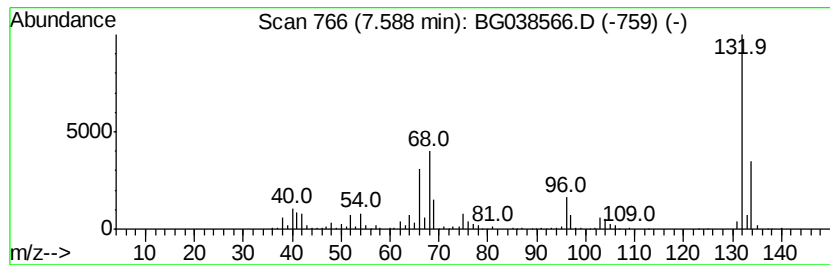
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown7.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	80.49 ng	603098	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	27
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
4		Pvrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	12
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
Acq On : 14 Dec 2018 13:08
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ALS Vial : 30 Sample Multiplier: 1

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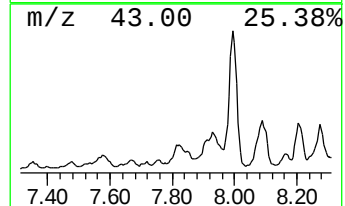
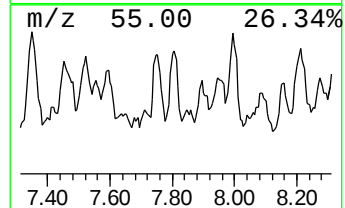
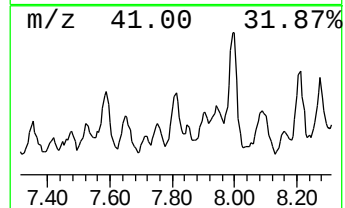
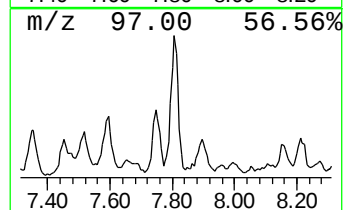
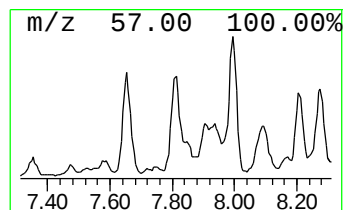
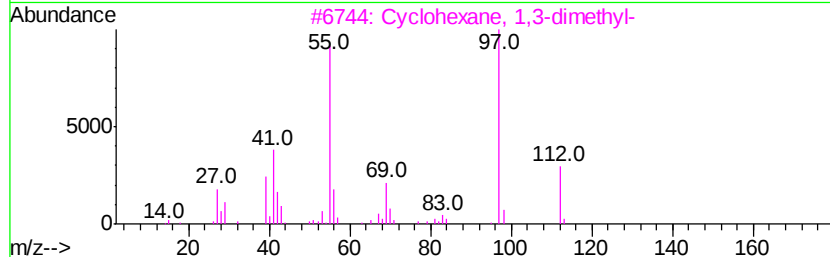
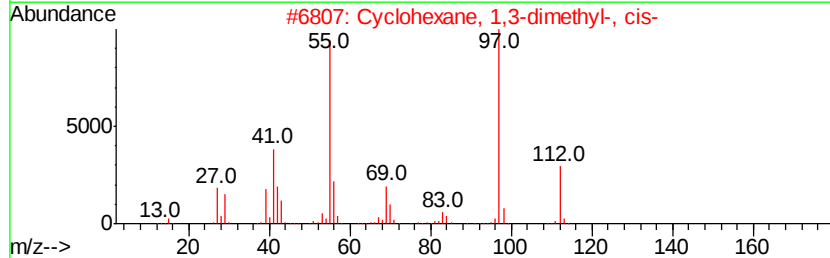
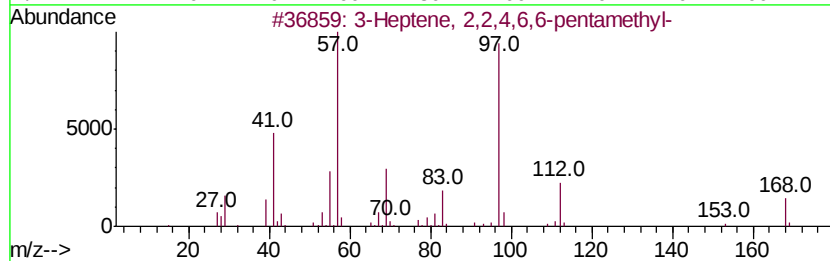
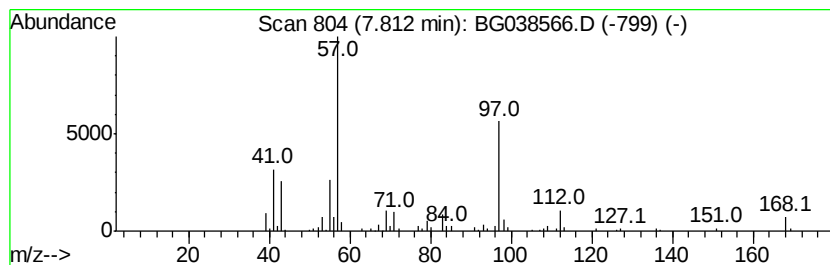
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 3-Heptene, 2,2,4,6,6-pentam... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	21.60 ng	161846	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Heptene, 2,2,4,6,6-pentamethyl-	168	C12H24	000123-48-8	53
2		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	52
3		Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	52
4		Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	47
5		1-(Trimethylsilyl)-1-propyne	112	C6H12Si	006224-91-5	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
Acq On : 14 Dec 2018 13:08
Operator : JU/SJ
Sample : J6329-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
072-DUP-1

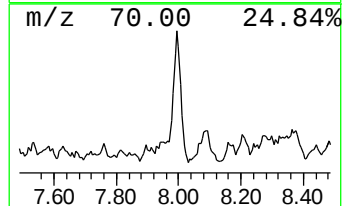
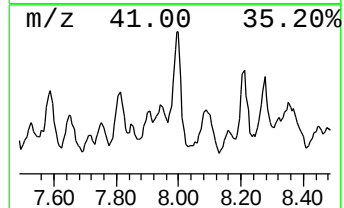
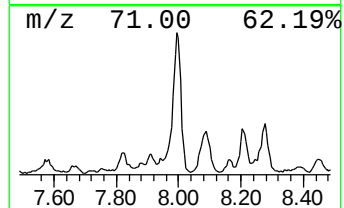
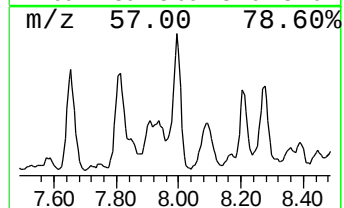
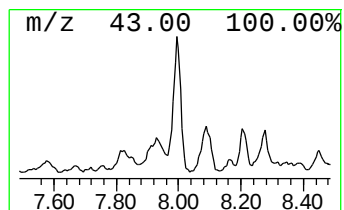
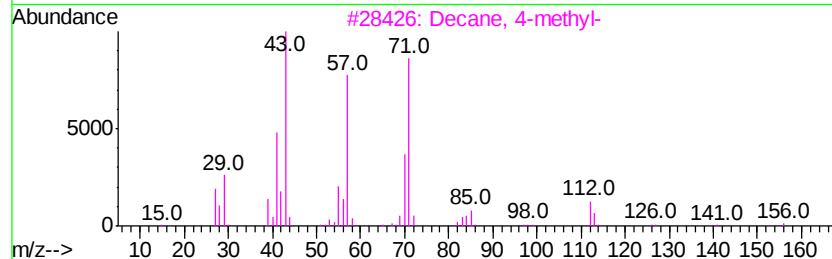
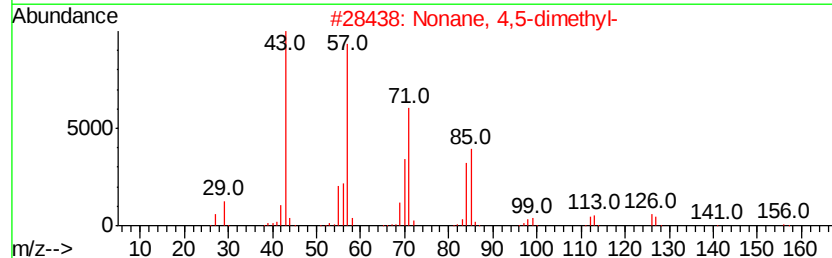
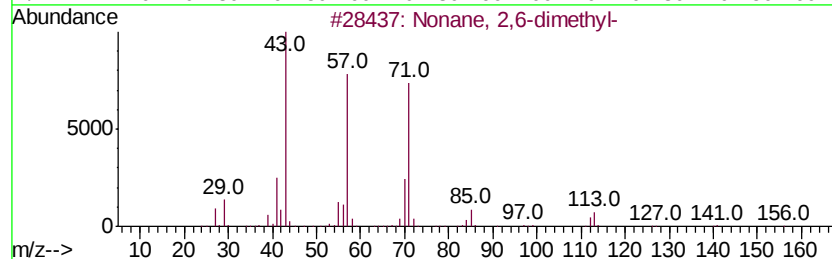
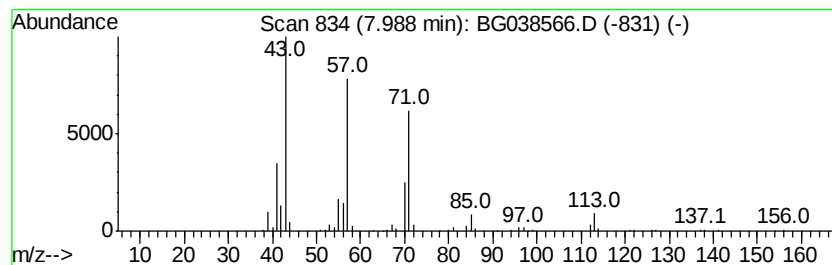
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Nonane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	42.32 ng	317143	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	90
2		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	78
3		Decane, 4-methyl-	156	C11H24	002847-72-5	78
4		Tridecane, 4-methyl-	198	C14H30	026730-12-1	78
5		Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
Acq On : 14 Dec 2018 13:08
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Sample : J6329-02
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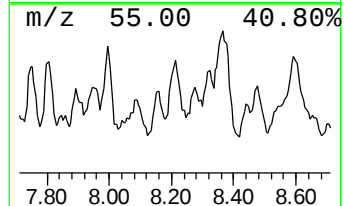
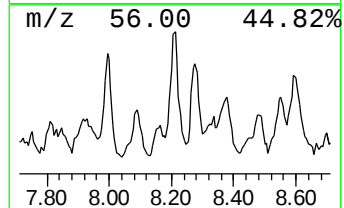
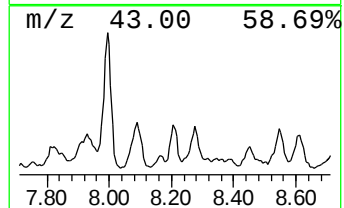
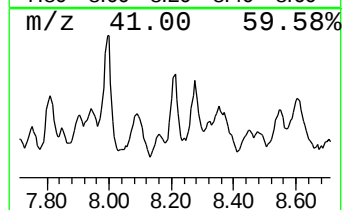
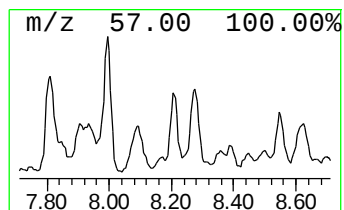
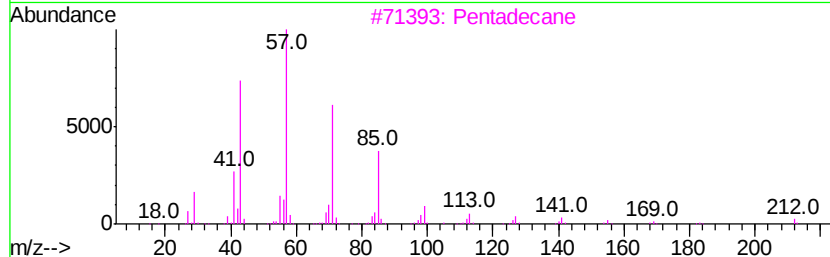
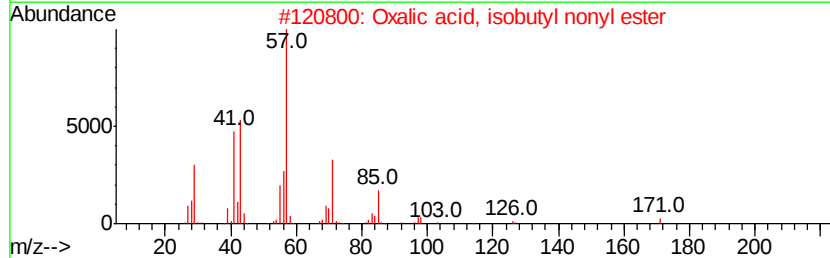
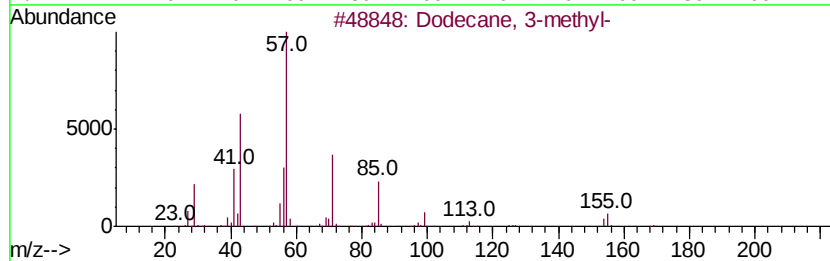
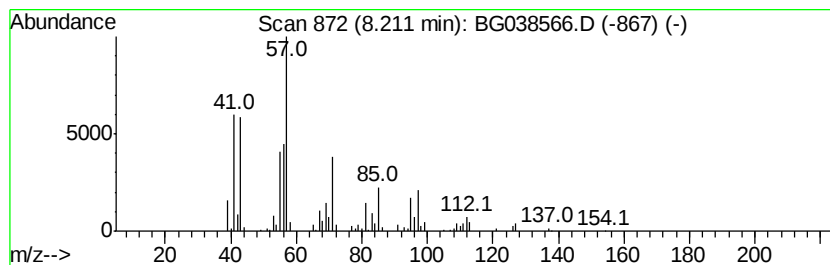
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dodecane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	30.82 ng	230926	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
2		Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	49
3		Pentadecane	212	C15H32	000629-62-9	43
4		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	43
5		Hexadecane	226	C16H34	000544-76-3	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
Acq On : 14 Dec 2018 13:08
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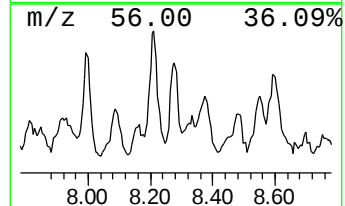
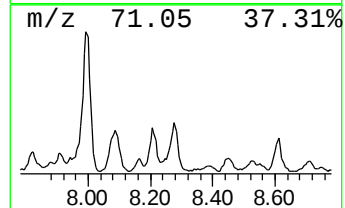
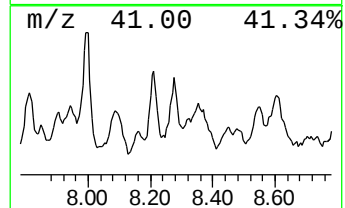
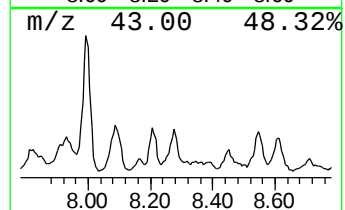
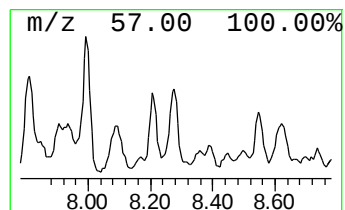
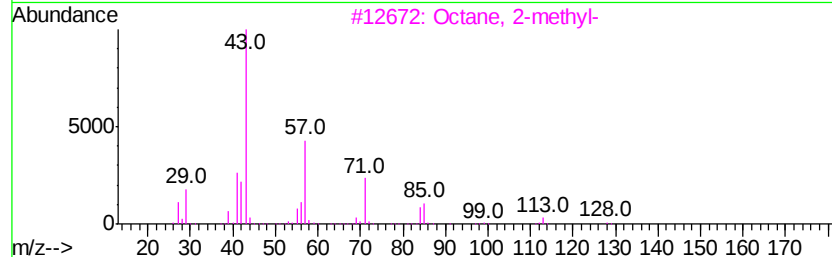
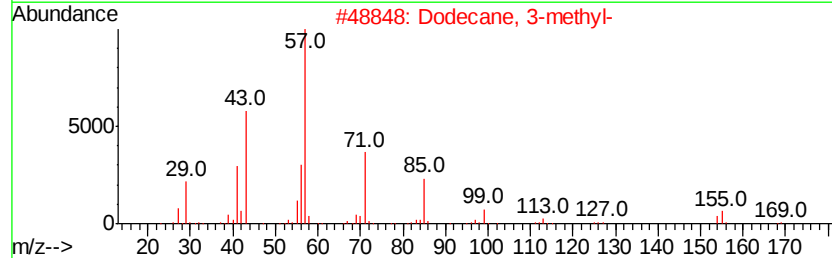
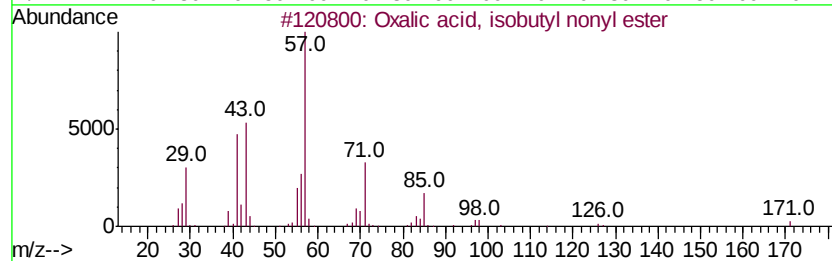
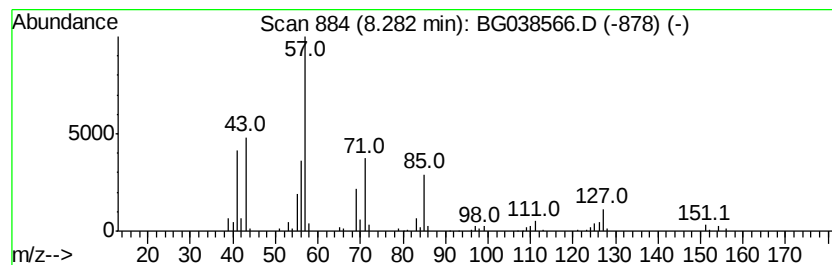
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Oxalic acid, isobutyl nonyl... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	22.55 ng	168944	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	64
2		Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
3		Octane, 2-methyl-	128	C9H20	003221-61-2	59
4		Undecane, 3-methyl-	170	C12H26	001002-43-3	53
5		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
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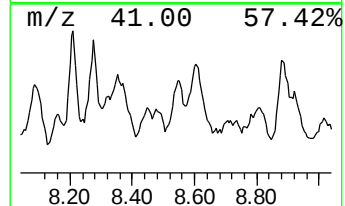
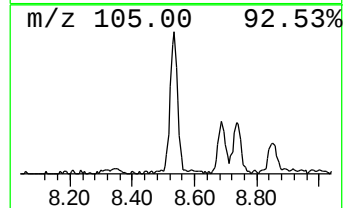
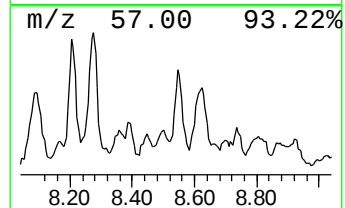
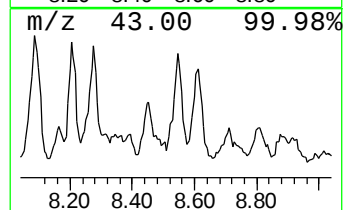
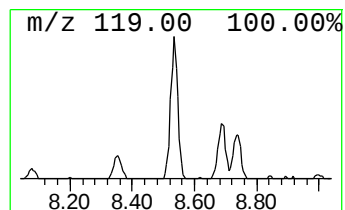
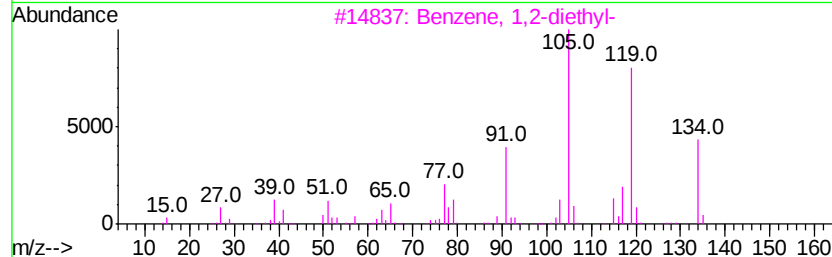
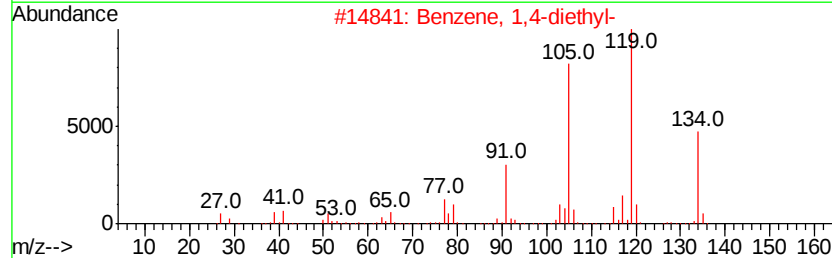
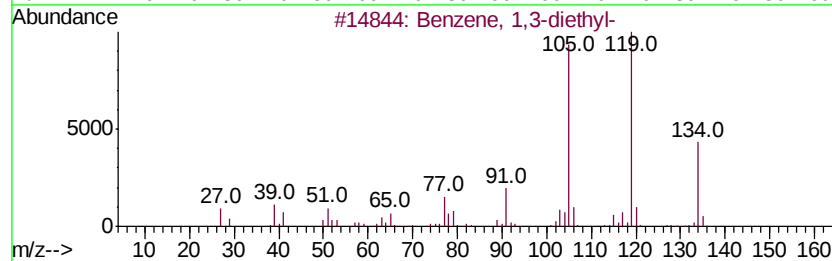
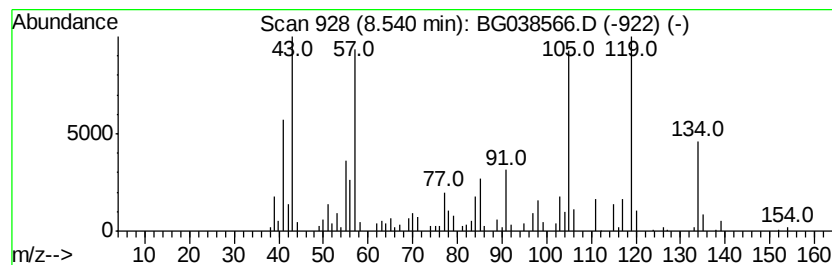
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzene, 1,3-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	26.12 ng	195744	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	94
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	74
5		o-Cymene	134	C10H14	000527-84-4	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
Acq On : 14 Dec 2018 13:08
Operator : JU/SJ
Sample : J6329-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

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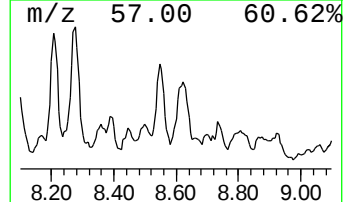
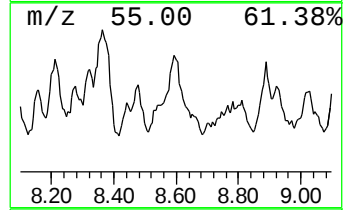
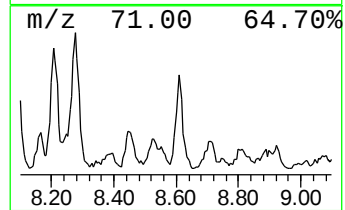
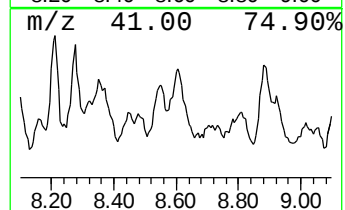
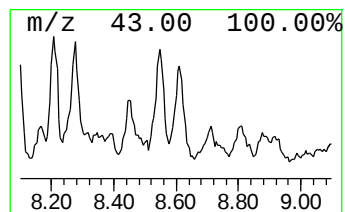
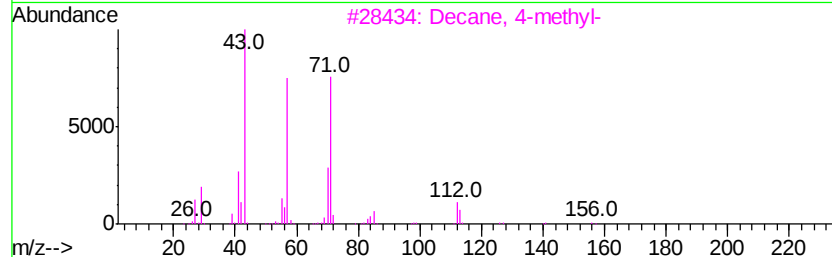
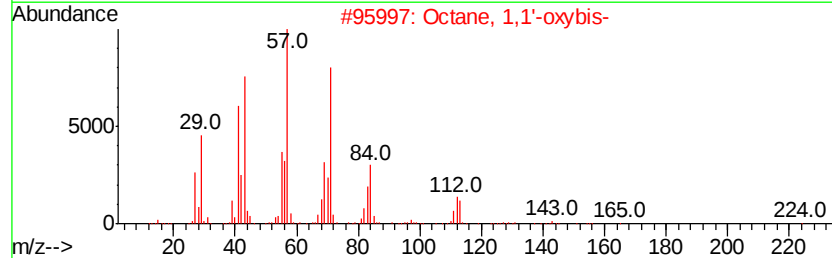
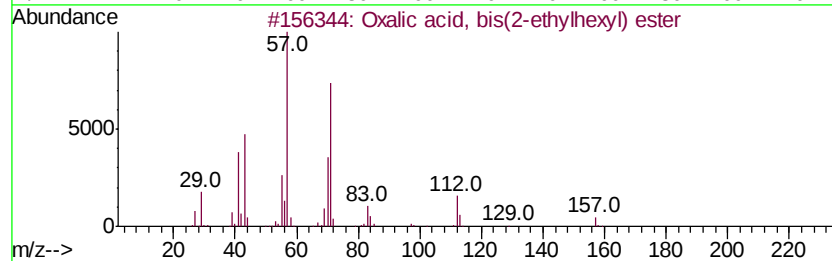
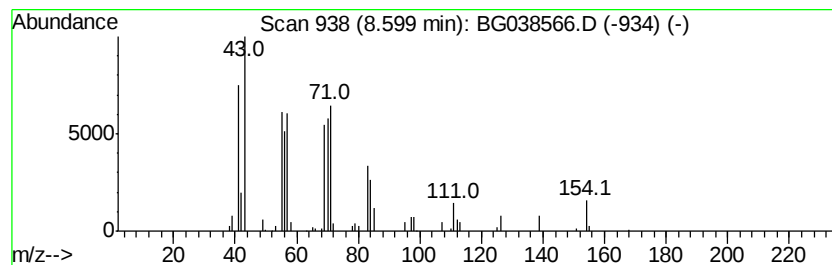
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Oxalic acid, bis(2-ethylhex... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	26.10 ng	195602	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	50
2		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	50
3		Decane, 4-methyl-	156	C11H24	002847-72-5	50
4		1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	49
5		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	47



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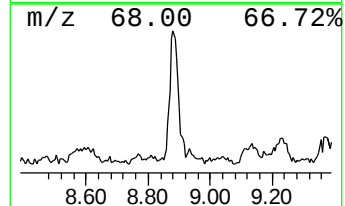
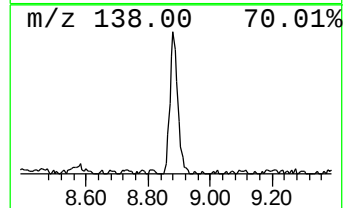
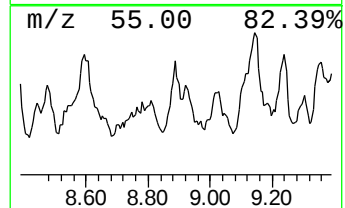
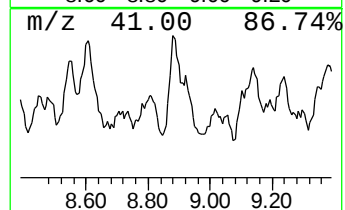
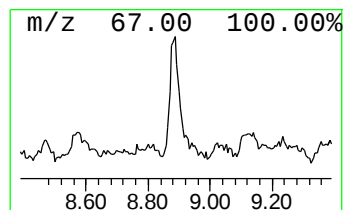
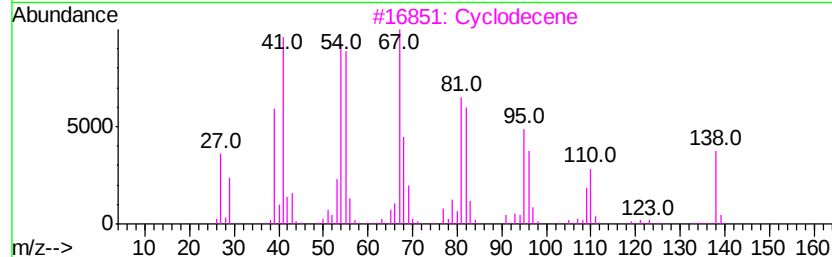
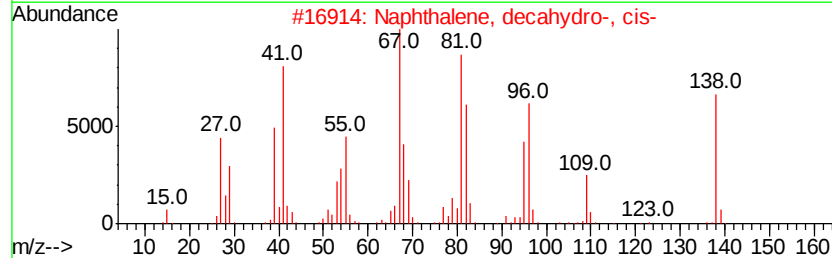
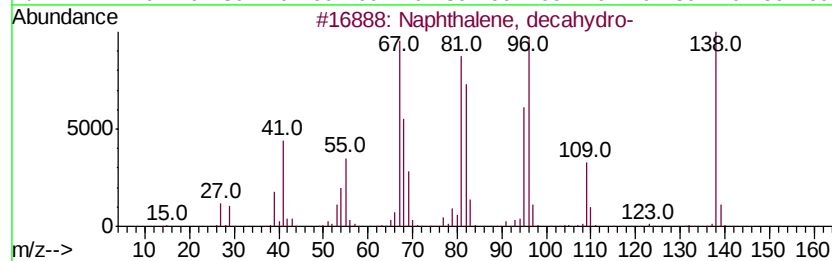
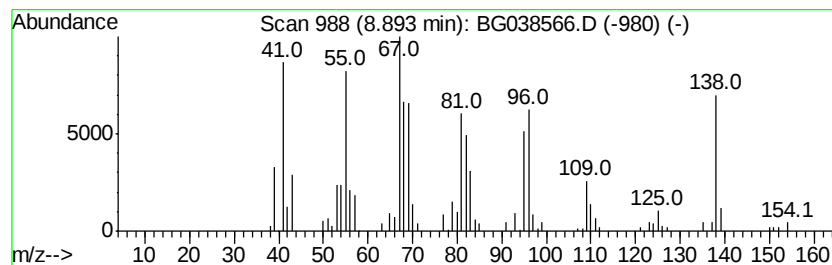
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, decahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	31.82 ng	238399	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-	138	C10H18	000091-17-8	92
2		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	90
3		Cyclodecene	138	C10H18	003618-12-0	83
4		Spiro[4.5]decane	138	C10H18	000176-63-6	81
5		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
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ALS Vial : 30 Sample Multiplier: 1

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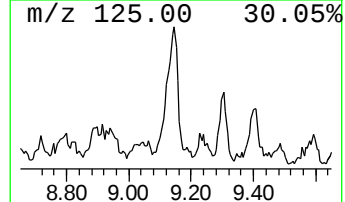
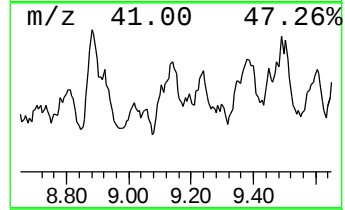
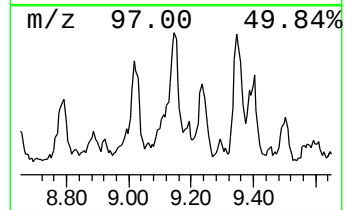
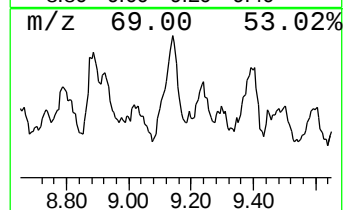
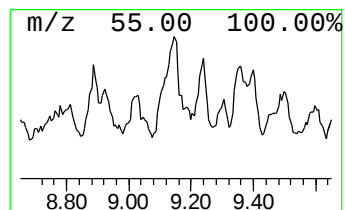
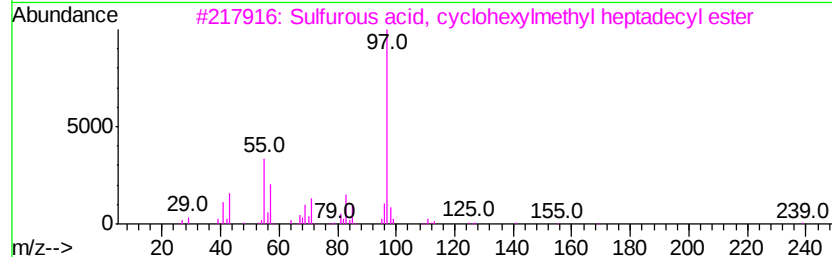
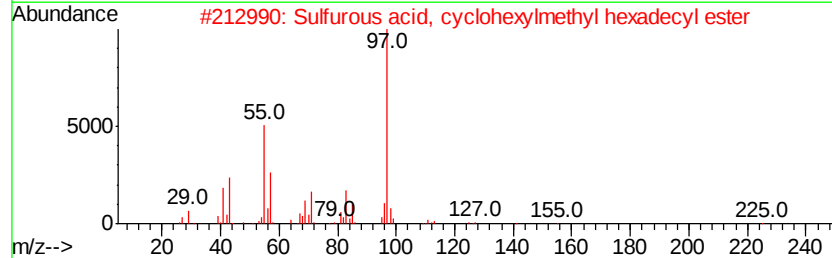
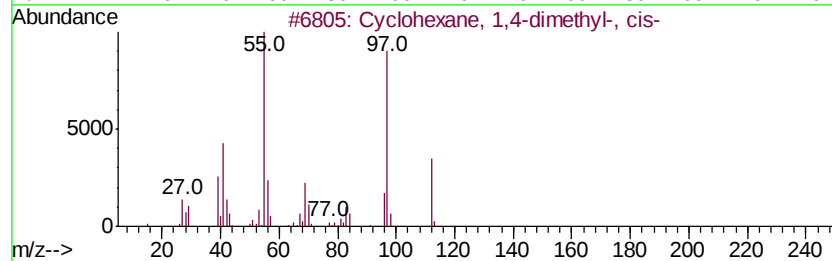
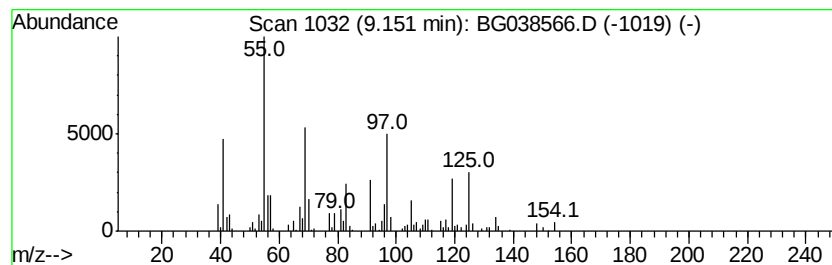
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown9.15 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	39.23 ng	293994	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	47
2		Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	43
3		Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	43
4		10-Chloro-1-decanol, pentafluoro...	338	C13H20ClF5O2	1000365-58-1	43
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
Acq On : 14 Dec 2018 13:08
Operator : JU/SJ
Sample : J6329-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
072-DUP-1

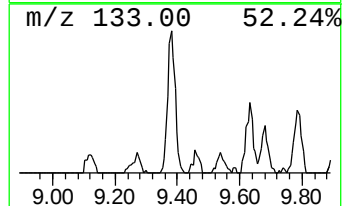
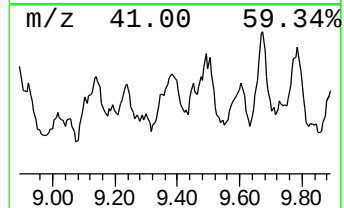
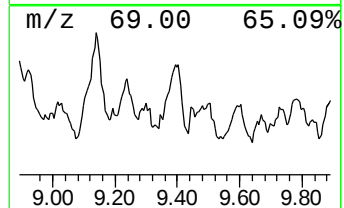
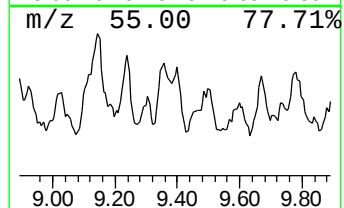
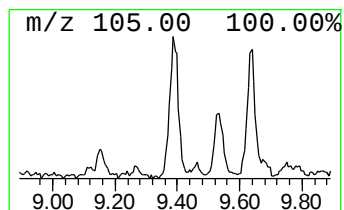
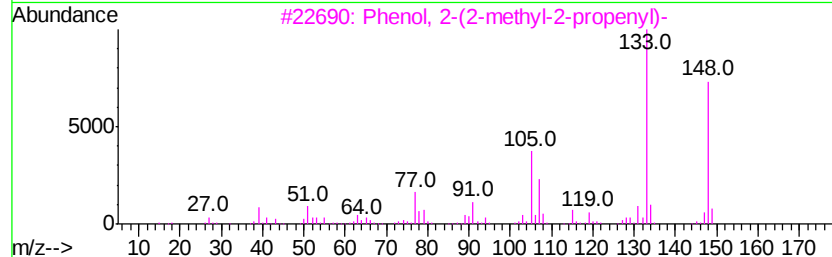
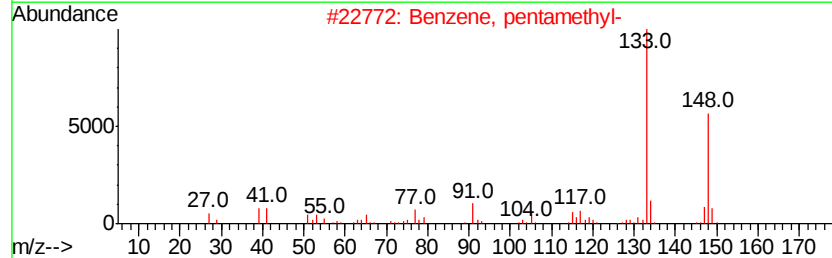
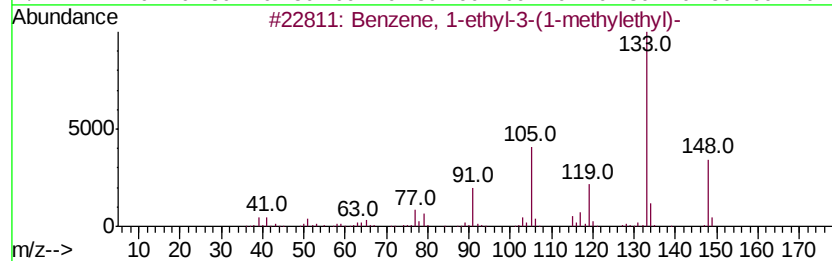
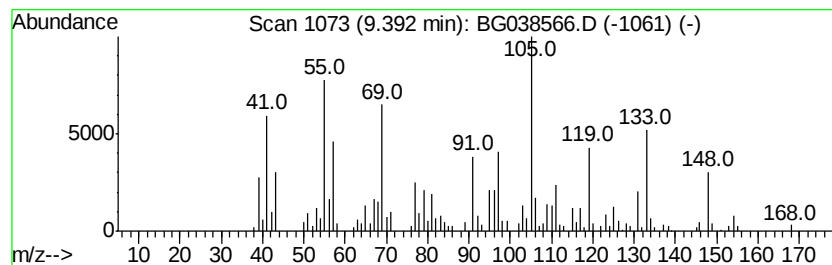
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	46.23 ng	346388	1,4-Dichlorobenzene-d4	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	90
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	42
3		Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	41
4		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	41
5		Benzene, 1-methoxy-2-(1-methylet...	148	C10H12O	010278-02-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121318\
Data File : BG038566.D
Acq On : 14 Dec 2018 13:08
Operator : JU/SJ
Sample : J6329-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
072-DUP-1

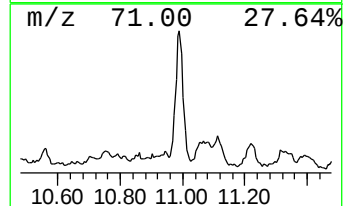
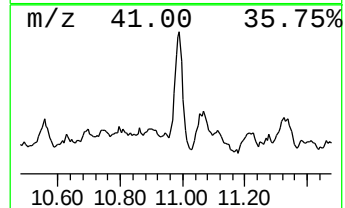
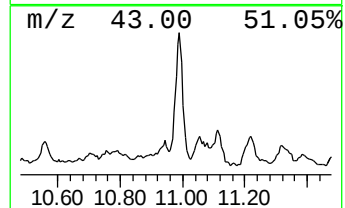
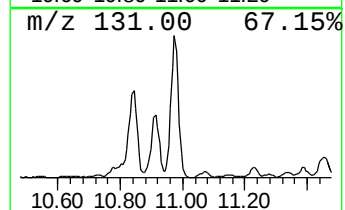
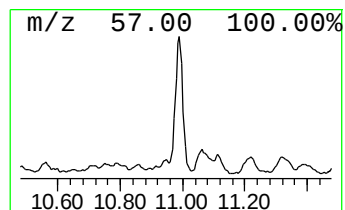
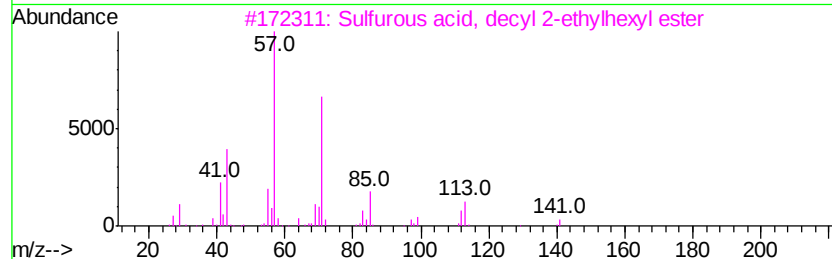
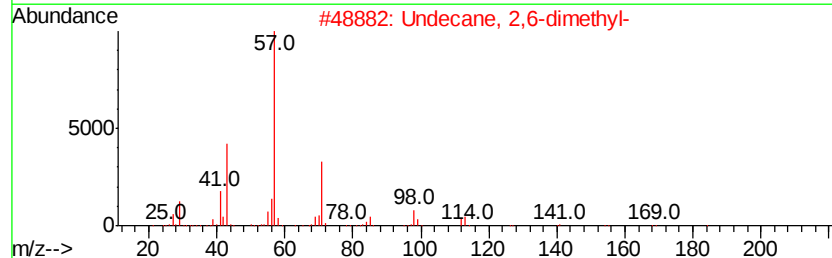
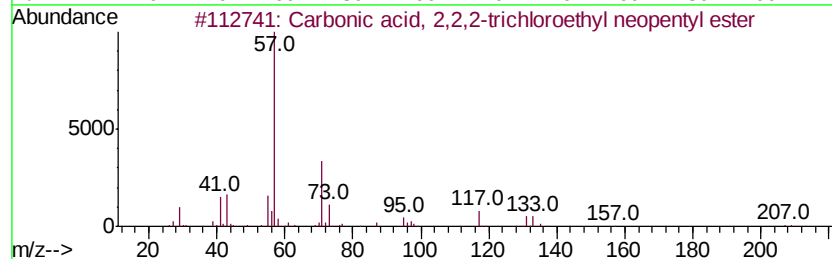
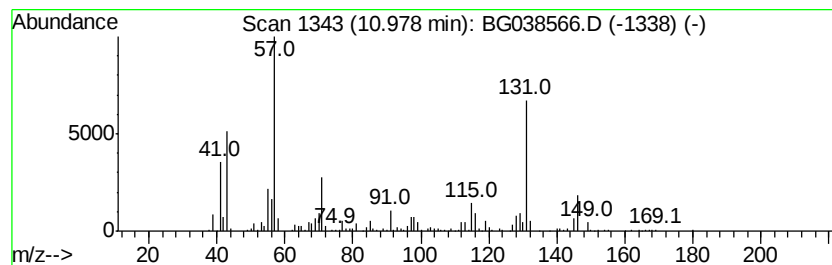
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown10.98 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	26.93 ng	553489	Napthalene-d8	10.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Carbonic acid, 2,2,2-trichloroet...	262	C8H13Cl3O3	1000357-89-3	38
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	35
3		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	35
4		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	35
5		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121318\
 Data File : BG038566.D
 Acq On : 14 Dec 2018 13:08
 Operator : JU/SJ
 Sample : J6329-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 072-DUP-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
Heptane, 2,6-dime...	4.94	21.6	ng	161971	1	8.06	149866	20.0
Cyclohexane, 1,1,...	5.21	21.7	ng	162523	1	8.06	149866	20.0
Cyclohexane, 1,2,...	5.46	23.3	ng	174685	1	8.06	149866	20.0
trans-1,3-Diethyl...	6.30	39.8	ng	298272	1	8.06	149866	20.0
Heptane, 1,1'-oxy...	6.40	24.5	ng	183786	1	8.06	149866	20.0
Nonane, 3-methyl-	6.57	47.9	ng	358882	1	8.06	149866	20.0
unknown6.67	6.67	31.5	ng	235998	1	8.06	149866	20.0
Nonane, 4-methyl-	7.01	23.0	ng	172037	1	8.06	149866	20.0
unknown7.59	7.59	80.5	ng	603098	1	8.06	149866	20.0
3-Heptene, 2,2,4,...	7.81	21.6	ng	161846	1	8.06	149866	20.0
Nonane, 2,6-dimet...	7.99	42.3	ng	317143	1	8.06	149866	20.0
Dodecane, 3-methyl-	8.21	30.8	ng	230926	1	8.06	149866	20.0
Oxalic acid, isob...	8.28	22.6	ng	168944	1	8.06	149866	20.0
Benzene, 1,3-diet...	8.54	26.1	ng	195744	1	8.06	149866	20.0
Oxalic acid, bis(...	8.60	26.1	ng	195602	1	8.06	149866	20.0
Naphthalene, deca...	8.89	31.8	ng	238399	1	8.06	149866	20.0
unknown9.15	9.15	39.2	ng	293994	1	8.06	149866	20.0
Benzene, 1-ethyl-...	9.39	46.2	ng	346388	1	8.06	149866	20.0
unknown10.98	10.98	26.9	ng	553489	2	10.88	411046	20.0