LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.140	5	9	18	rVB2	30339	46756	1.93%	0.205%
2	3.399	49	53	61	rVB	19955	29754	1.23%	0.131%
3	4.145	177	180	184	rVB2	3246	4648	0.19%	0.020%
4	4.269	198	201	206	rBV4	1573	2441	0.10%	0.011%
5	7.106	677	684	696	rBV	295872	522796	21.54%	2.295%
6	7.265	703	711	721	rBV	245679	408320	16.83%	1.792%
7	7.471	738	746	755	rBV	315554	540511	22.27%	2.373%
8	7.941	818	826	834	rBV	258628	442921	18.25%	1.944%
9	8.646	938	946	958	rBV	377007	666710	27.47%	2.927%
10	9.092	1014	1022	1039	rBV	283446	511540	21.08%	2.246%
11	9.815	1137	1145	1155	rBV	241005	431675	17.79%	1.895%
12	10.356	1229	1237	1249	rBV	381108	701810	28.92%	3.081%
13	10.737	1292	1302	1310	rBV	371174	666780	27.48%	2.927%
14	10.861	1316	1323	1334	rBV	356790	675376	27.83%	2.965%
15	12.324	1567	1572	1579	rBV3	5526	9102	0.38%	0.040%
16	13.969	1846	1852	1870	rBV	738353	1092498	45.02%	4.796%
17	14.257	1894	1901	1914	rBV	865504	1362339	56.14%	5.981%
18	14.568	1945	1954	1962	rBV	622112	969550	39.95%	4.256%
19	14.762	1980	1987	2003	rBV	242270	456188	18.80%	2.003%
20	15.555	2116	2122	2131	rBV	1149030	1742642	71.81%	7.650%
21	15.673	2136	2142	2159	rVV	281565	442623	18.24%	1.943%
22	15.796	2159	2163	2169	rVB	13143	19066	0.79%	0.084%
23	16.343	2250	2256	2261	rBV3	4798	6889	0.28%	0.030%
24	16.995	2362	2367	2370	rBV4	2197	2532	0.10%	0.011%
25	17.095	2379	2384	2388	rBV2	2002	3583	0.15%	0.016%
26	17.306	2414	2420	2430	rBV	796936	1204861	49.65%	5.289%
27	17.406	2430	2437	2454	rVB	1307018	1909510	78.69%	8.383%
28	17.594	2468	2469	2477	rVB4	1343	2779	0.11%	0.012%
29	19.333	2759	2765	2769	rBV	14599	23586	0.97%	0.104%
30	19.580	2802	2807	2811	rBV	13923	18580	0.77%	0.082%
31	19.692	2820	2826	2838	rBV	1594748	2320023	95.60%	10.185%
32	20.238	2917	2919	2924	rBV6	2920	4355	0.18%	0.019%
33	20.373	2940	2942	2943	rBV2	3677	2623	0.11%	0.012%
34	20.608	2980	2982	2988	rBV5	5564	9459	0.39%	0.042%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Title : SVOA CALIBRATION

35	20.890	3028	3030	3032	rBV3	5565	3201	0.13%	0.014%
36	21.554	3136	3143	3154	rBV	880130	1396632	57.55%	6.131%
37	23.023	3391	3393	3399	rVB6	19256	28980	1.19%	0.127%
38	23.799	3522	3525	3532	rVB4	23504	44784	1.85%	0.197%
39	24.445	3624	3635	3647	rBV	895250	2426692	100.00%	10.653%
40	24.656	3661	3671	3690	rVB2	510237	1532516	63.15%	6.728%
41	25.808	3862	3867	3878	rVB4	34653	91763	3.78%	0.403%

Sum of corrected areas: 22779394

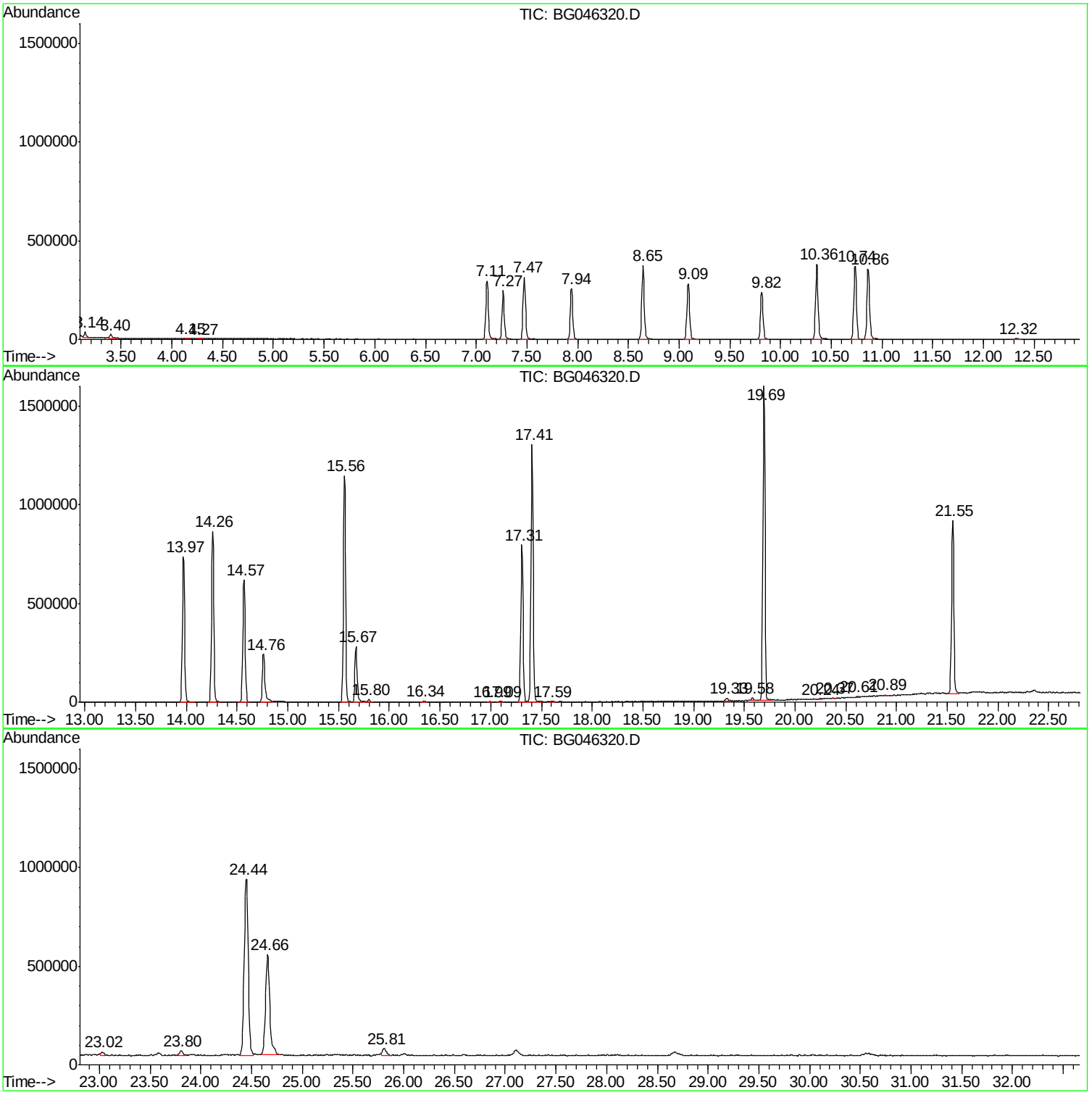
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

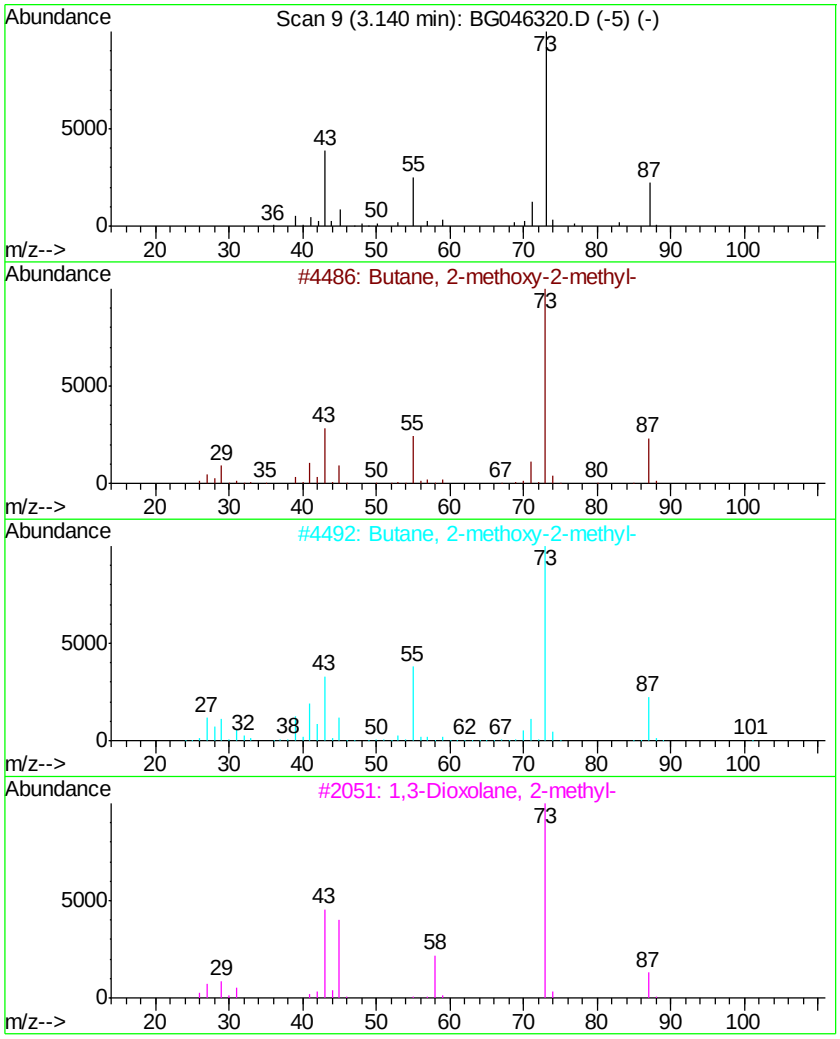
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

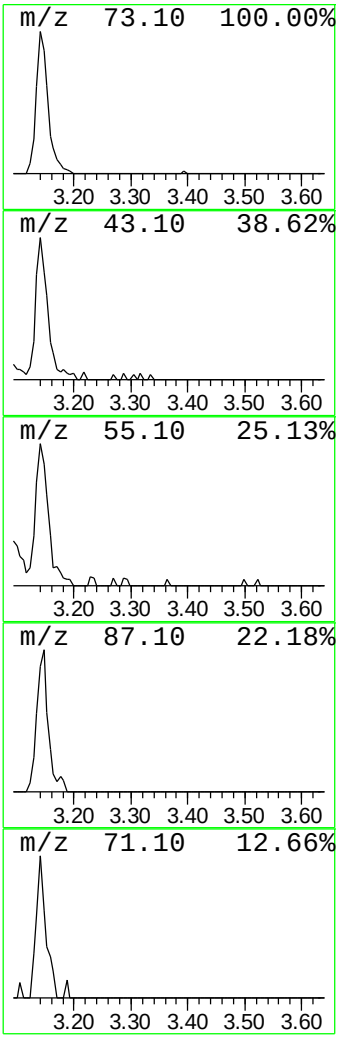
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	2.11 ng/ul	46756	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	56
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	50
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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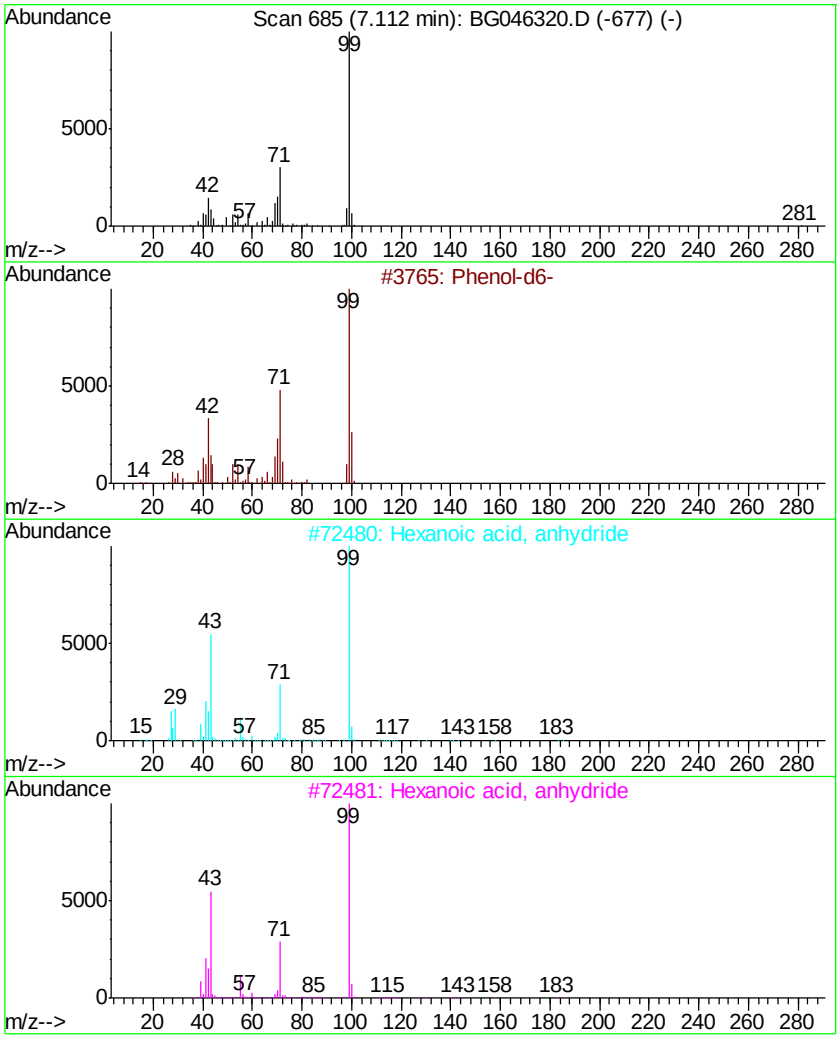
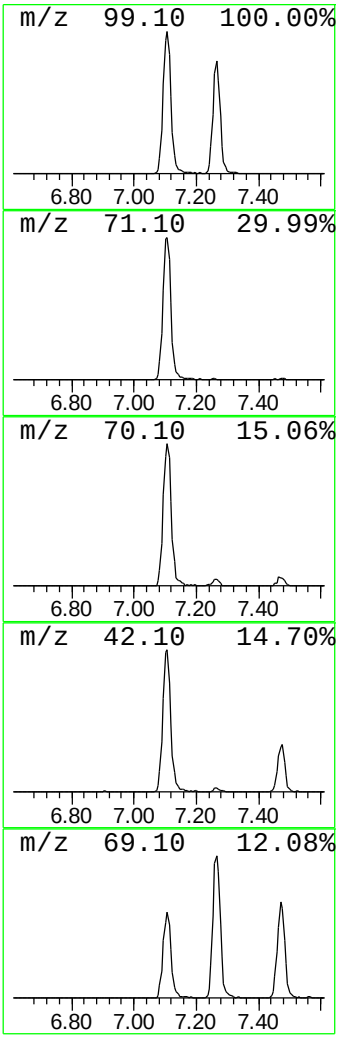
Peak Number 2 Hexanoic acid, anhydride Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	23.61 ng/ul	522796	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol-d6-	100	C6D6O	013127-88-3	64
2	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
3	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	50
4	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	45
5	3,4-Diamino-1,2,4(4H)-triazole	99	C2H5N5	038104-45-9	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

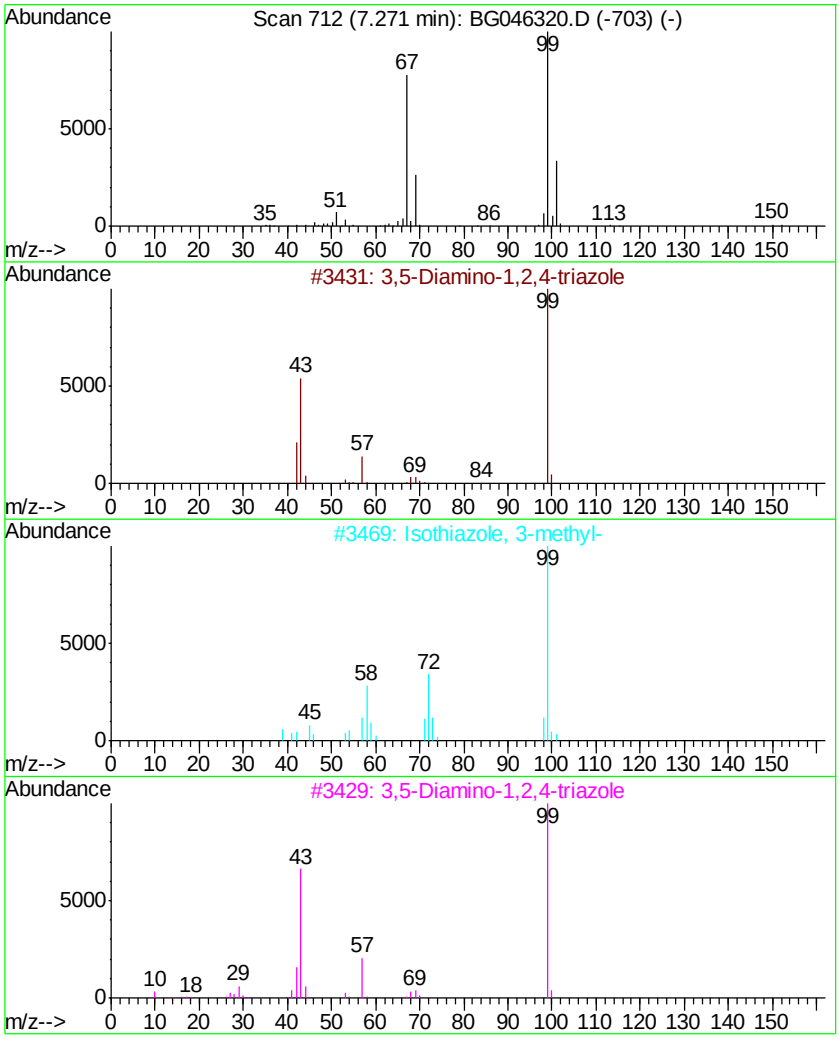
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

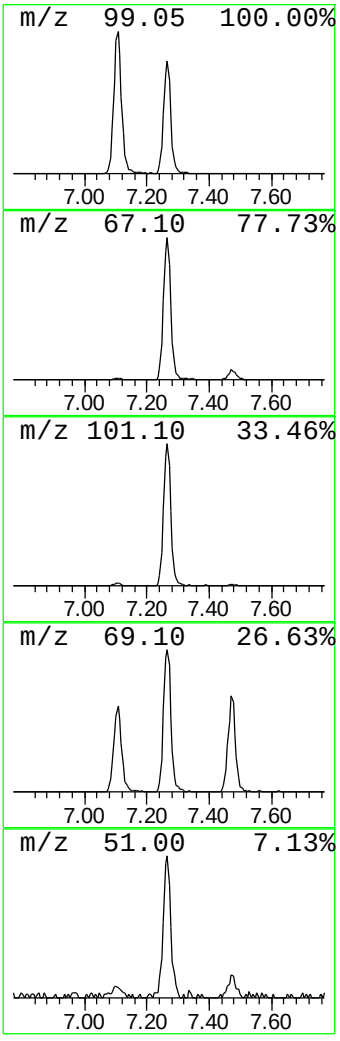
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	18.44 ng/ul	408320	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
2	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	9
3	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	9
4	1-Pentanamine, 5-(methylthio)-	133	C6H15NS	055021-78-8	9
5	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	7





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

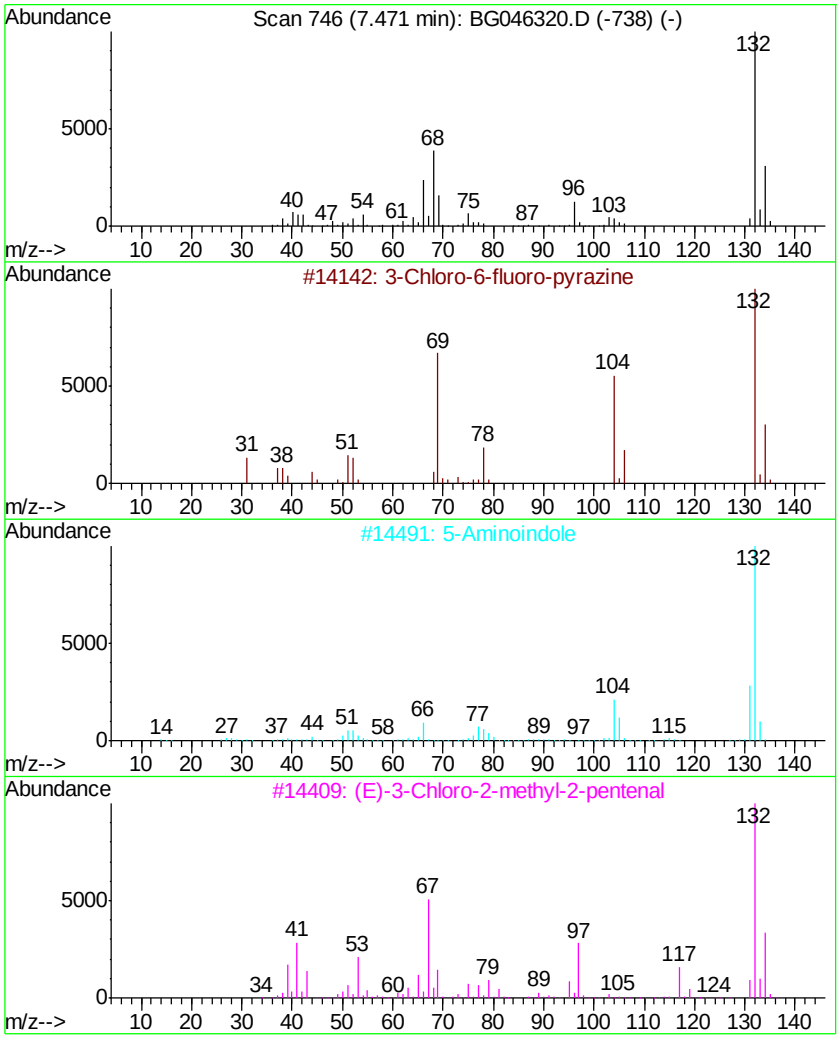
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

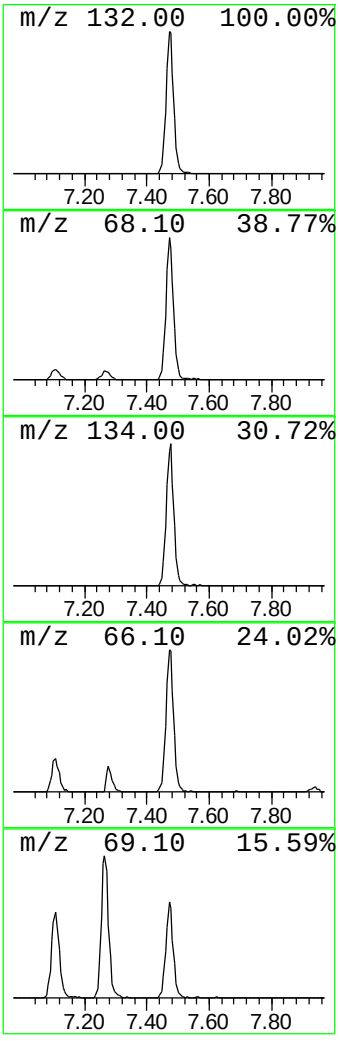
****

Peak Number 4 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	24.41 ng/ul	540511	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	22
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Amphetaminil	250	C17H18N2	017590-01-1	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

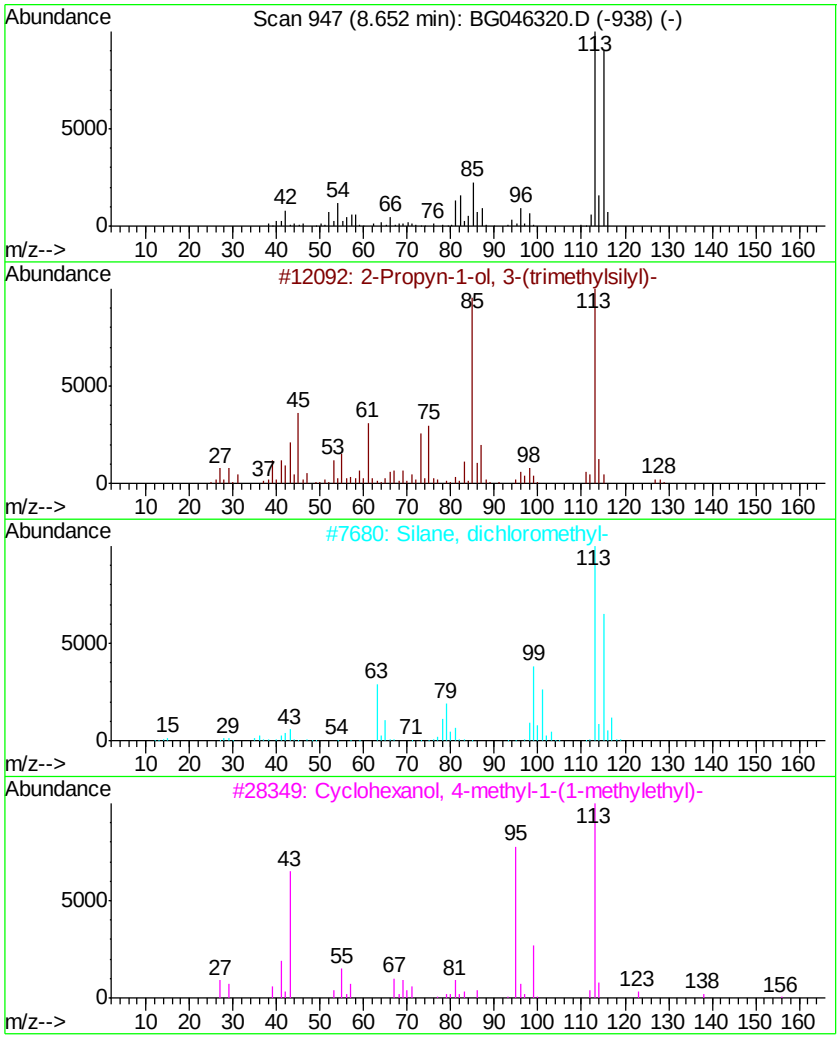
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

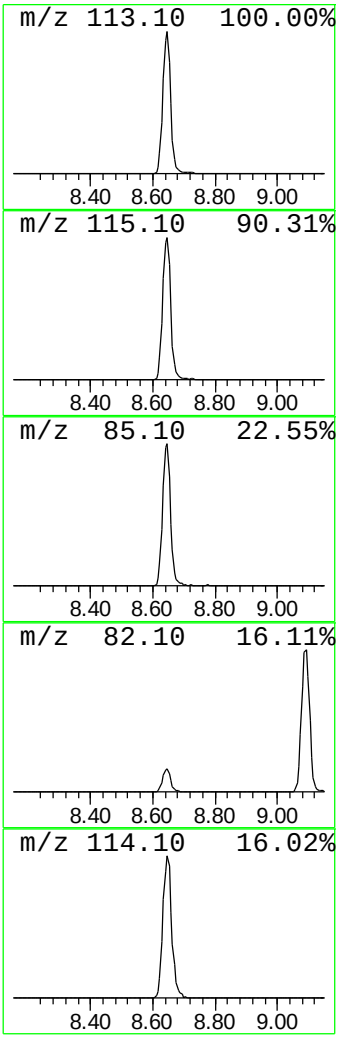
****

Peak Number 5 unknown-03 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	30.11 ng/ul	666710	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propyn-1-ol, 3-(trimethylsilyl)-	128	C6H12OSi	005272-36-6	43
2	Silane, dichloromethyl-	114	CH4Cl2Si	000075-54-7	38
3	Cyclohexanol, 4-methyl-1-(1-meth...	156	C10H20O	000470-65-5	35
4	Butanedioyl dihydrazide	146	C4H10N4O2	004146-43-4	35
5	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	32





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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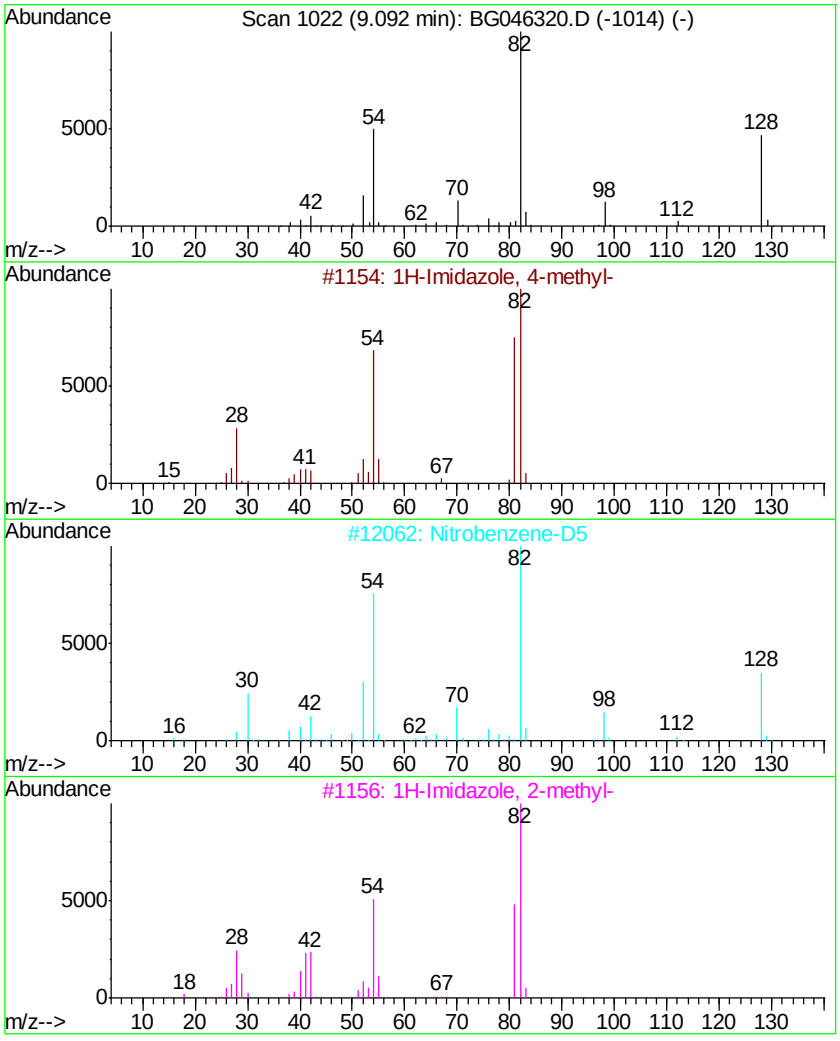
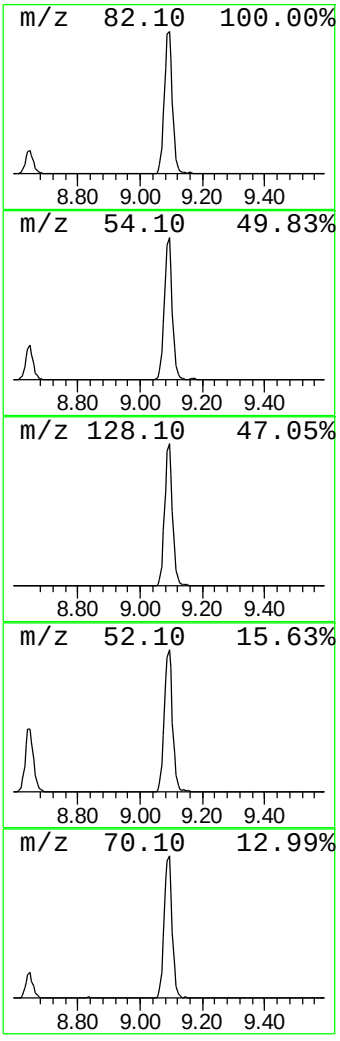
Peak Number 6 1H-Imidazole, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	23.10 ng/ul	511540	1,4-Dichlorobenzene-d4	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
2	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	47
3	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	40
4	1H-Imidazole, 2-methyl-	82	C4H6N2	000693-98-1	38
5	Nitrobenzene-D5	128	C6D5NO2	004165-60-0	37





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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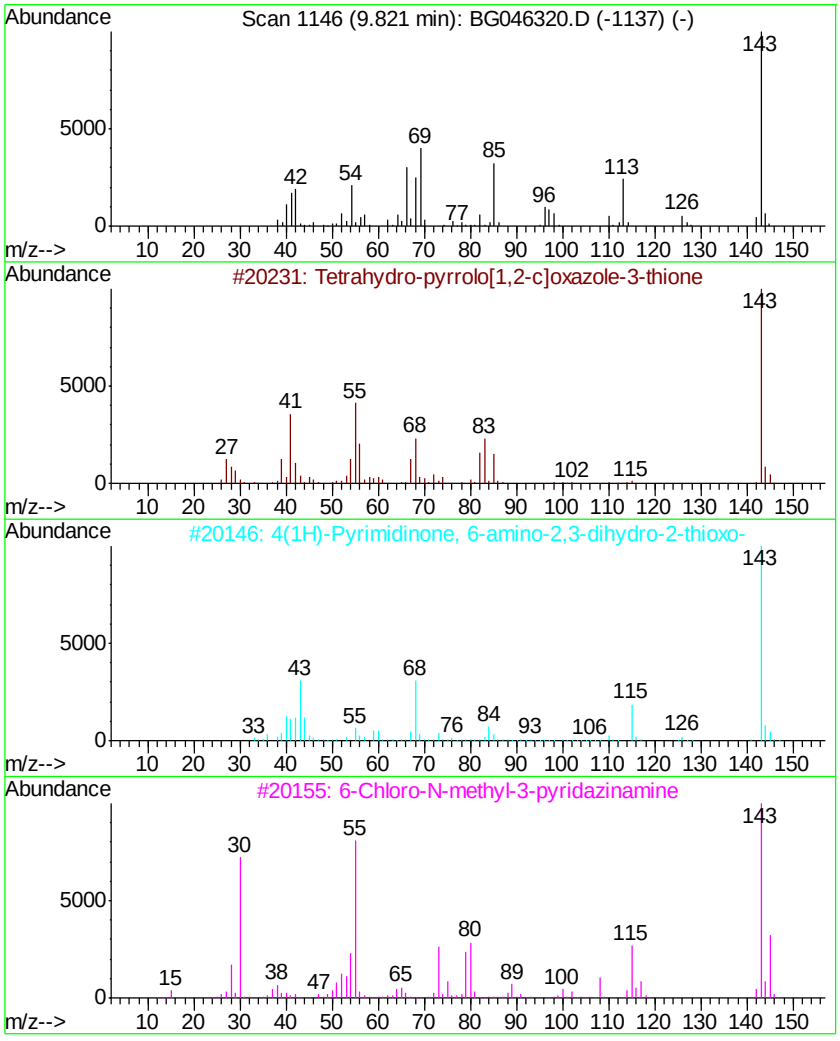
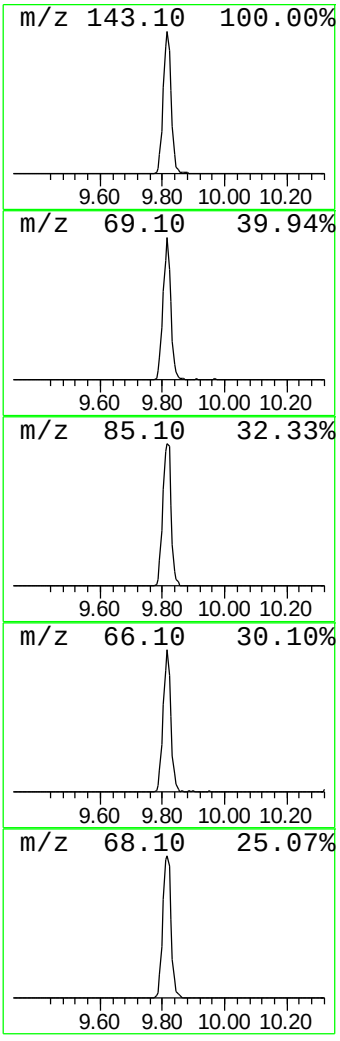
Peak Number 7 unknown-04 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	12.95 ng/ul	431675	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydro-pyrrolo[1,2-c]oxazole...	143	C6H9NOS	1000190-53-6	35
2	4(1H)-Pyrimidinone, 6-amino-2,3-...	143	C4H5N3OS	001004-40-6	16
3	6-Chloro-N-methyl-3-pyridazinamine	143	C5H6ClN3	014959-32-1	12
4	1,2-Benzenedicarbonitrile, 4-amino-	143	C8H5N3	056765-79-8	10
5	Glutaric acid, ethyl 3-heptyl ester	258	C14H26O4	1000359-73-0	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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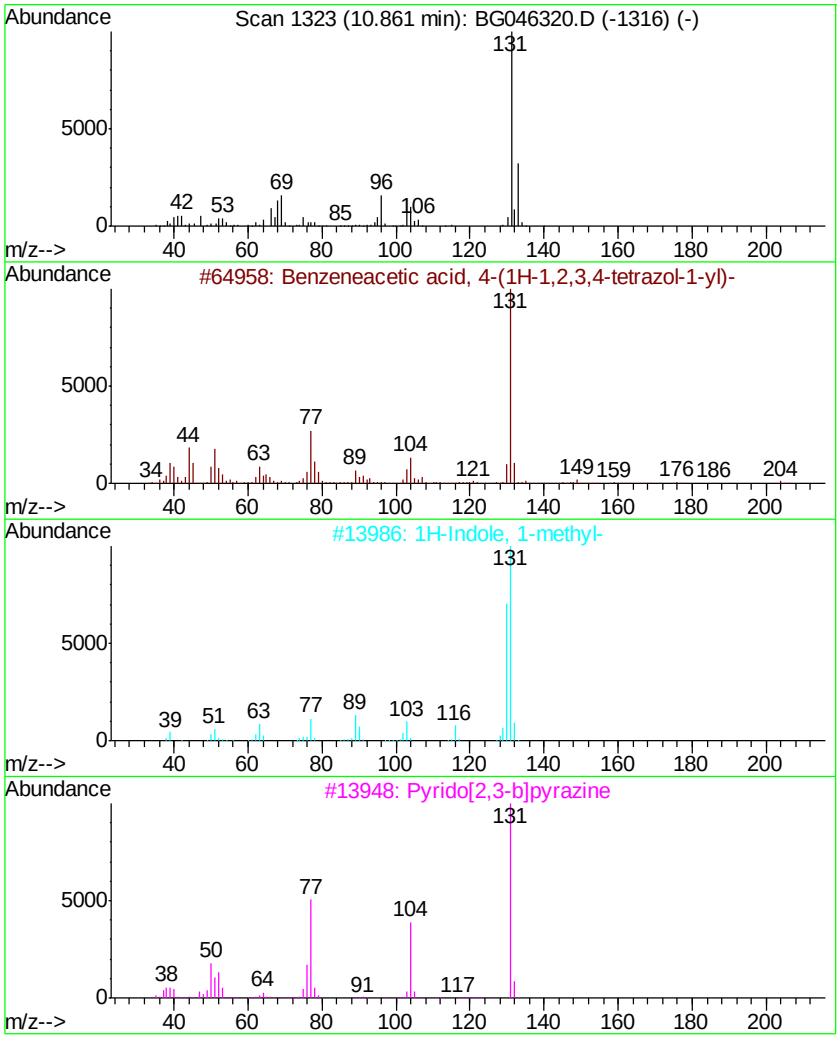
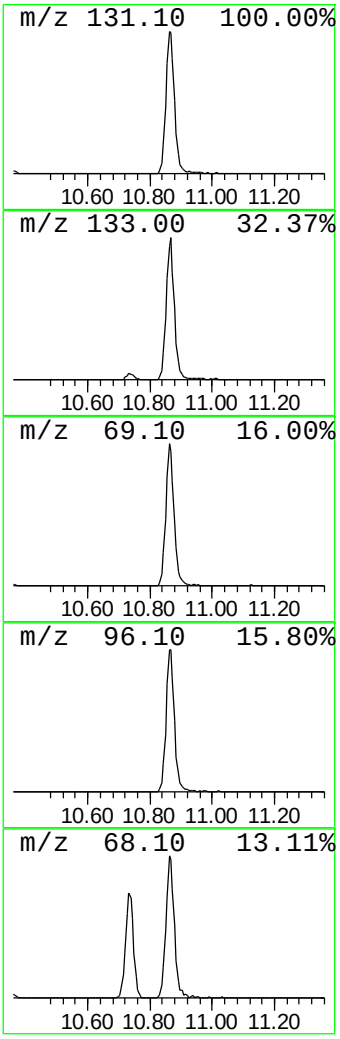
Peak Number 8 unknown-05 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	20.26 ng/ul	675376	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, 4-(1H-1,2,3,...	204	C9H8N4O2	1000351-56-5	33
2	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	28
3	Pyrido[2,3-b]pyrazine	131	C7H5N3	000322-46-3	9
4	4-Pyrimidinamine, 2,6-difluoro-	131	C4H3F2N3	000675-12-7	9
5	1H-Indole, 5-methyl-	131	C9H9N	000614-96-0	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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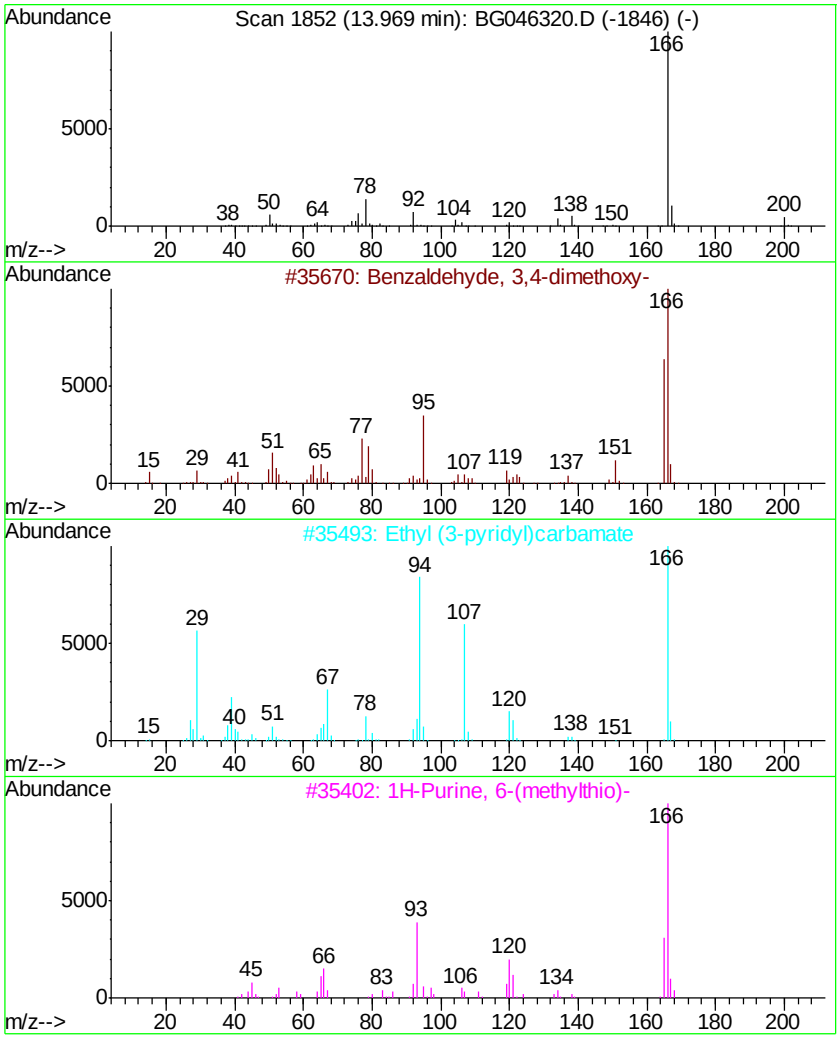
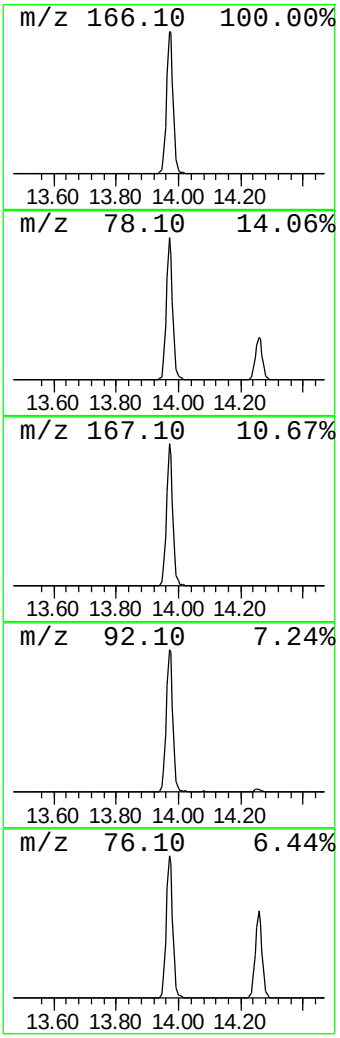
Peak Number 9 unknown-06 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	22.54 ng/ul	1092500	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,4-dimethoxy-	166	C9H10O3	000120-14-9	45
2	Ethyl (3-pyridyl)carbamate	166	C8H10N2O2	006276-11-5	42
3	1H-Purine, 6-(methylthio)-	166	C6H6N4S	000050-66-8	38
4	1H-Benzimidazole-2-ethanamine, 5...	195	C9H10ClN3	135875-16-0	38
5	Benzenamine, N,N-dimethyl-4-nitro-	166	C8H10N2O2	000100-23-2	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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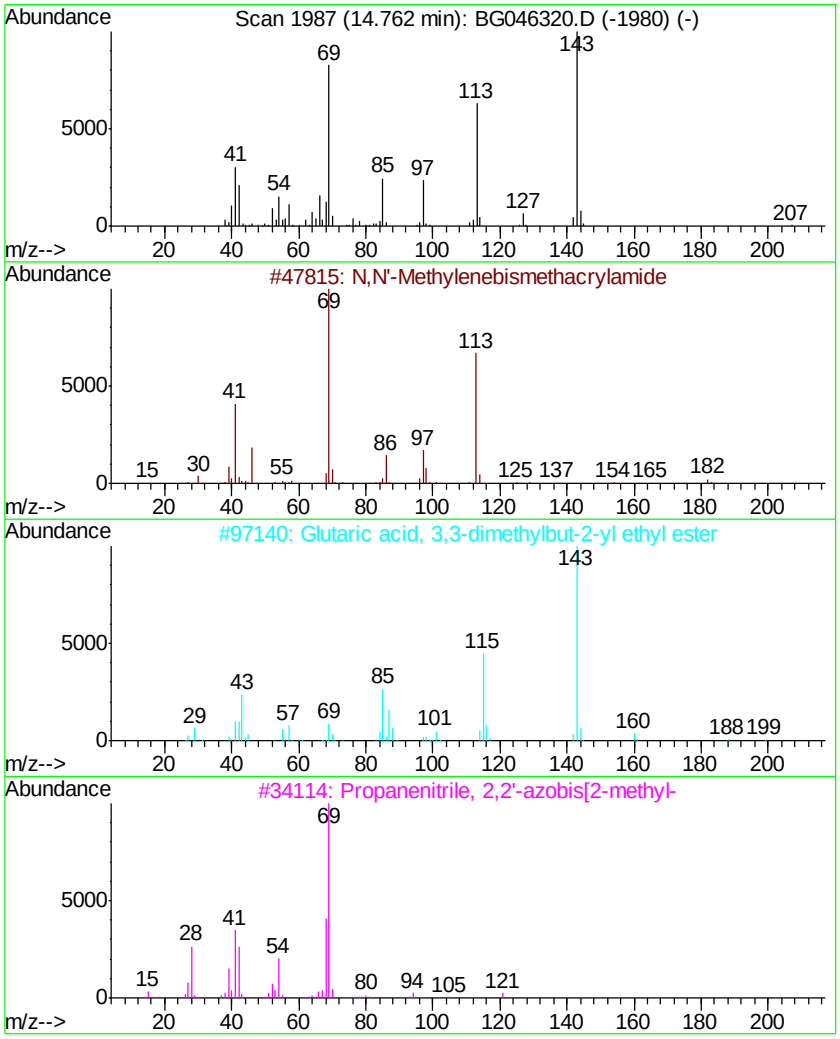
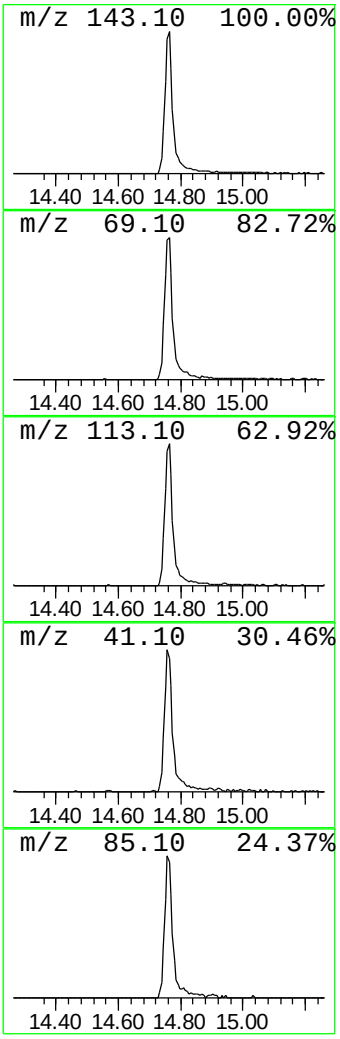
Peak Number 10 unknown-07 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	9.41 ng/ul	456188	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Methylenebismethacrylamide	182	C9H14N2O2	002359-15-1	35
2	Glutaric acid, 3,3-dimethylbut-2...	244	C13H24O4	1000359-74-7	25
3	Propanenitrile, 2,2'-azobis[2-me...	164	C8H12N4	000078-67-1	22
4	2-Propenoic acid, 2-methyl-, 1,2...	286	C14H22O6	000109-16-0	17
5	6-Chloro-N-methyl-3-pyridazinamine	143	C5H6ClN3	014959-32-1	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

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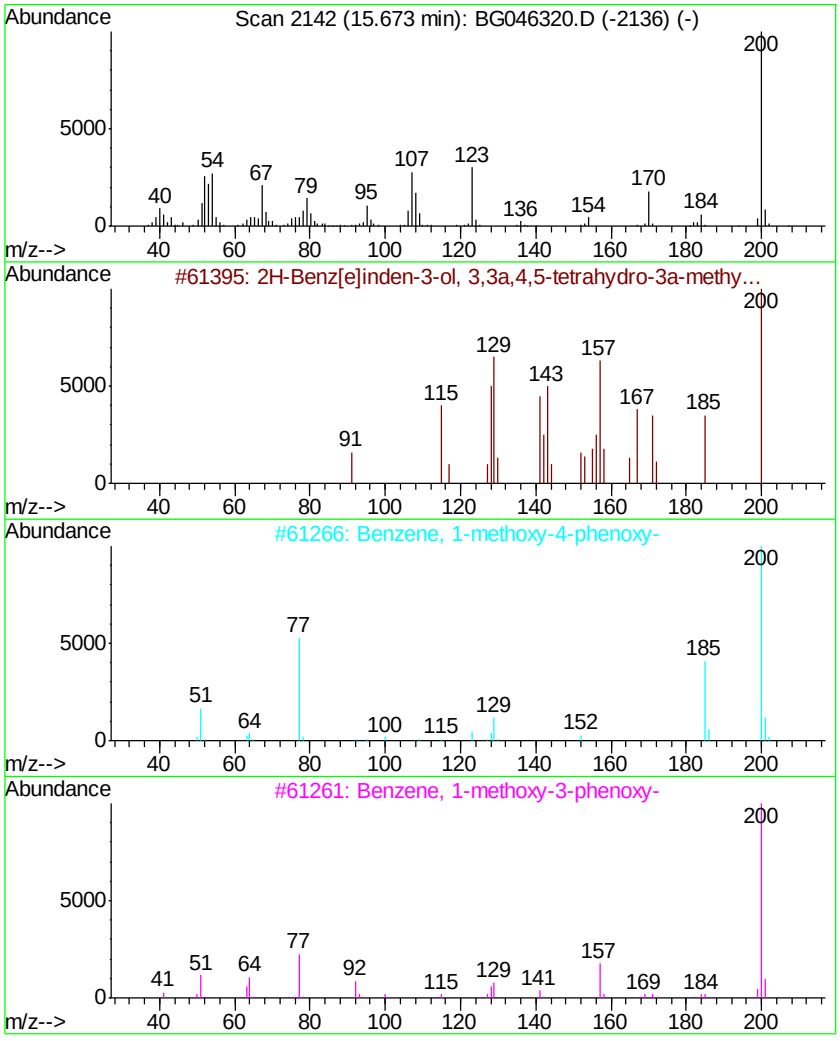
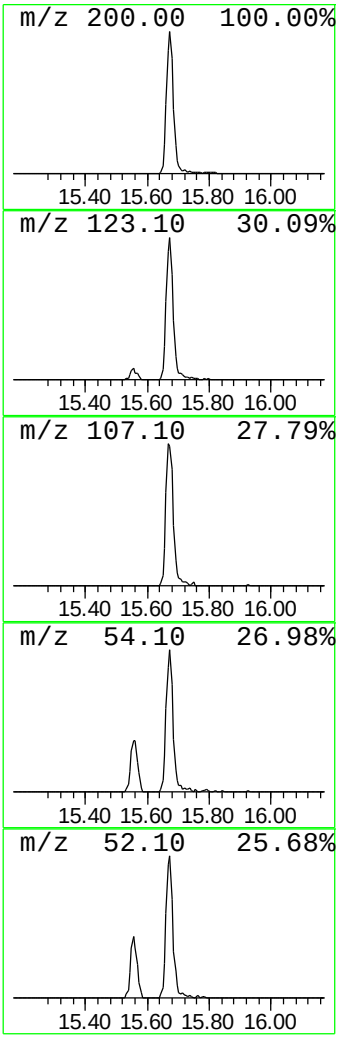
Peak Number 11 unknown-08 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	9.13 ng/ul	442623	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	38
2	Benzene, 1-methoxy-4-phenoxy-	200	C13H12O2	001655-69-2	14
3	Benzene, 1-methoxy-3-phenoxy-	200	C13H12O2	001655-68-1	14
4	Benzenamine, 4,4'-oxybis-	200	C12H12N2O	000101-80-4	10
5	5-Hexyn-1-ol	98	C6H10O	000928-90-5	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081720\
Data File : BG046320.D
Acq On : 18 Aug 2020 9:46
Operator : CG/JU
Sample : PB130999BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SBLK99

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.14	2.1	ng/ul	46756	1	7.94	442921	20.0
Hexanoic acid, an...	7.11	23.6	ng/ul	522796	1	7.94	442921	20.0
unknown-01	7.27	18.4	ng/ul	408320	1	7.94	442921	20.0
unknown-02	7.47	24.4	ng/ul	540511	1	7.94	442921	20.0
unknown-03	8.65	30.1	ng/ul	666710	1	7.94	442921	20.0
1H-Imidazole, 4-m...	9.09	23.1	ng/ul	511540	1	7.94	442921	20.0
unknown-04	9.82	12.9	ng/ul	431675	2	10.74	666780	20.0
unknown-05	10.86	20.3	ng/ul	675376	2	10.74	666780	20.0
unknown-06	13.97	22.5	ng/ul	1092500	3	14.57	969550	20.0
unknown-07	14.76	9.4	ng/ul	456188	3	14.57	969550	20.0
unknown-08	15.67	9.1	ng/ul	442623	3	14.57	969550	20.0