LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

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_M\METHODS\SOM-EPA-BM032219MA.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	4.963	326	336	351	rBV2	37149540	64788718	38.71%	11.851%
2	6.787	641	646	659	rBV2	155874	316477	0.19%	0.058%
3	6.957	669	675	692	rBV	522258	877533	0.52%	0.161%
4	7.139	699	706	710	rBV	612408	1040329	0.62%	0.190%
5	7.498	757	767	779	rBV	20864701	35019441	20.93%	6.405%
6	7.675	779	797	801	rBV2	45937529	116696503	69.73%	21.345%
7	8.010	836	854	858	rBV2	48171443	167352809	100.00%	30.611%
8	8.316	900	906	920	rBV	394997	707180	0.42%	0.129%
9	8.769	977	983	987	rBV	620856	1038660	0.62%	0.190%
10	8.816	987	991	1002	rVB	444300	771399	0.46%	0.141%
11	9.092	1031	1038	1049	rVB	214464	361560	0.22%	0.066%
12	9.404	1087	1091	1099	rVV2	122589	232385	0.14%	0.043%
13	9.486	1099	1105	1118	rVB	506758	921411	0.55%	0.169%
14	10.016	1189	1195	1202	rBV	808615	1520270	0.91%	0.278%
15	10.080	1202	1206	1216	rVB	302712	553912	0.33%	0.101%
16	10.180	1216	1223	1228	rBV	264439	478437	0.29%	0.088%
17	10.275	1228	1239	1244	rBV	37765846	80804349	48.28%	14.780%
18	10.392	1253	1259	1275	rVB	885636	1395521	0.83%	0.255%
19	10.780	1314	1325	1342	rBV	20064786	35402569	21.15%	6.476%
20	11.004	1357	1363	1378	rBV	296661	536483	0.32%	0.098%
21	12.427	1593	1605	1624	rVB	1080077	1963692	1.17%	0.359%
22	13.045	1703	1710	1716	rBV	4259159	6360182	3.80%	1.163%
23	13.292	1746	1752	1770	rBV	287365	580627	0.35%	0.106%
24	13.680	1811	1818	1824	rBV	1378738	1919353	1.15%	0.351%
25	13.951	1857	1864	1879	rBV	1754330	2467545	1.47%	0.451%
26	14.257	1910	1916	1925	rBV2	1129480	1705425	1.02%	0.312%
27	15.257	2080	2086	2100	rBV	2014243	2972659	1.78%	0.544%
28	15.398	2105	2110	2122	rBV	558871	862372	0.52%	0.158%
29	17.015	2379	2385	2396	rBV2	1323336	1883405	1.13%	0.344%
30	17.115	2396	2402	2419	rVV2	2097023	3081510	1.84%	0.564%
31	19.421	2788	2794	2805	rBV	2554990	3517991	2.10%	0.643%
32	21.221	3095	3100	3113	rBV	1765184	2272059	1.36%	0.416%
33	23.291	3446	3452	3469	rVB2	2207672	4006249	2.39%	0.733%
34	23.433	3470	3476	3485	rVV	1226458	2301024	1.37%	0.421%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

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_M\METHODS\SOM-EPA-BM032219MA.M
Title : SVOA CALIBRATION

Sum of corrected areas: 546710039

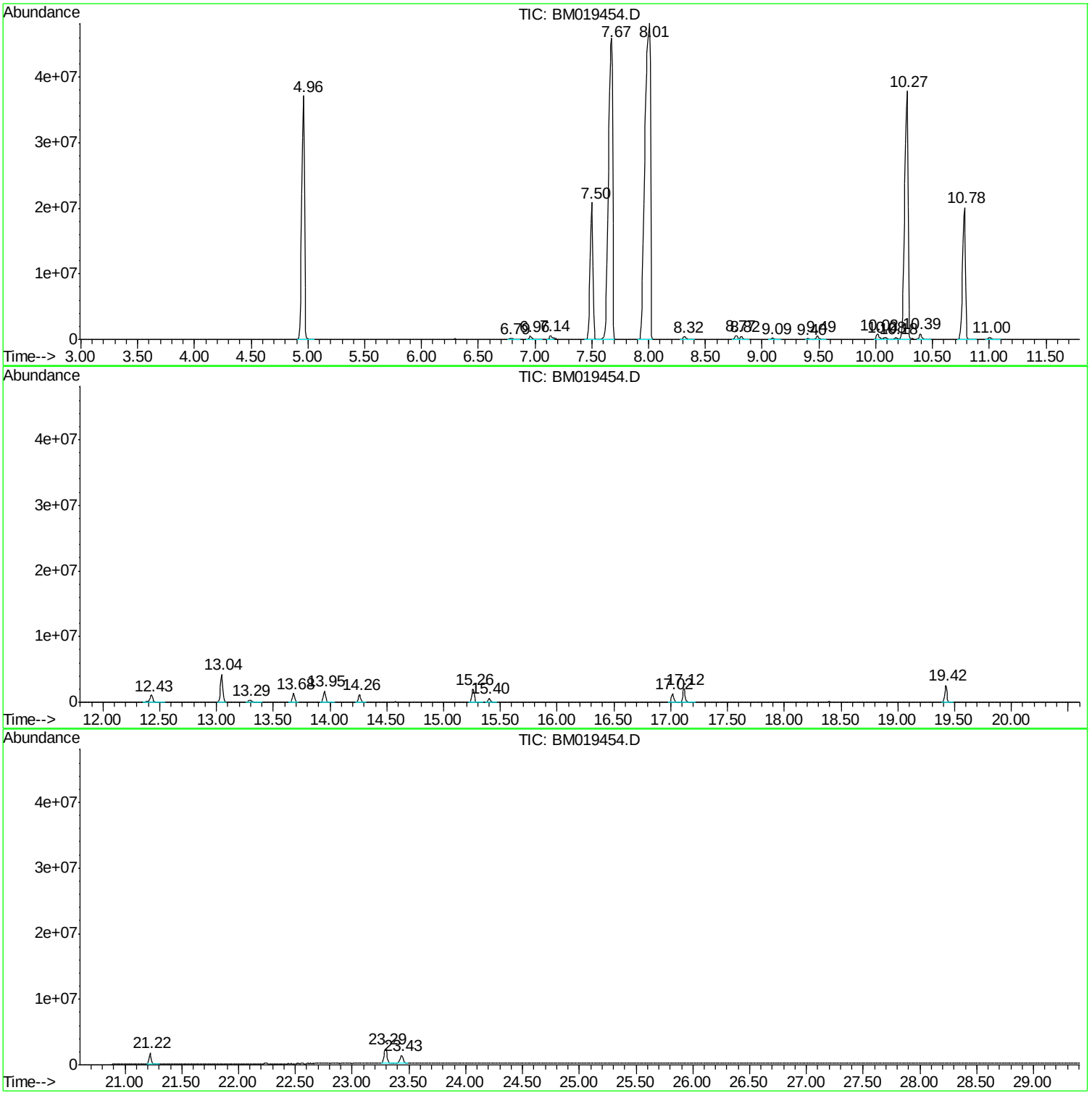
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

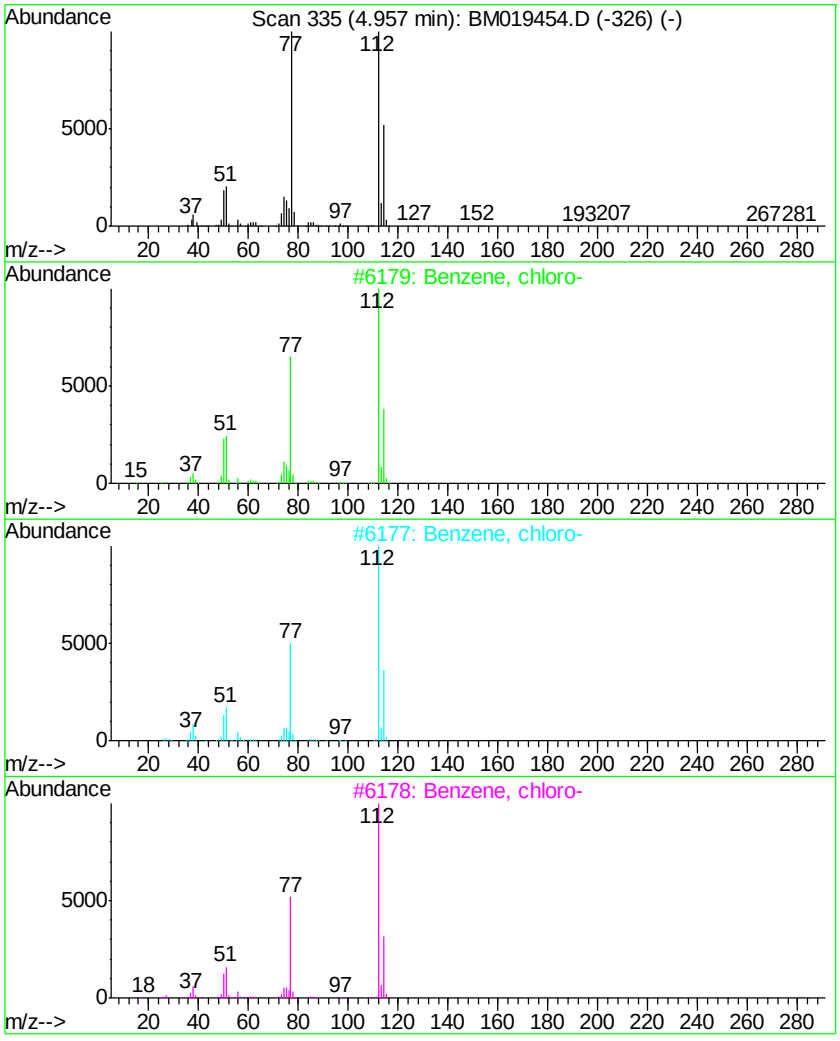
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

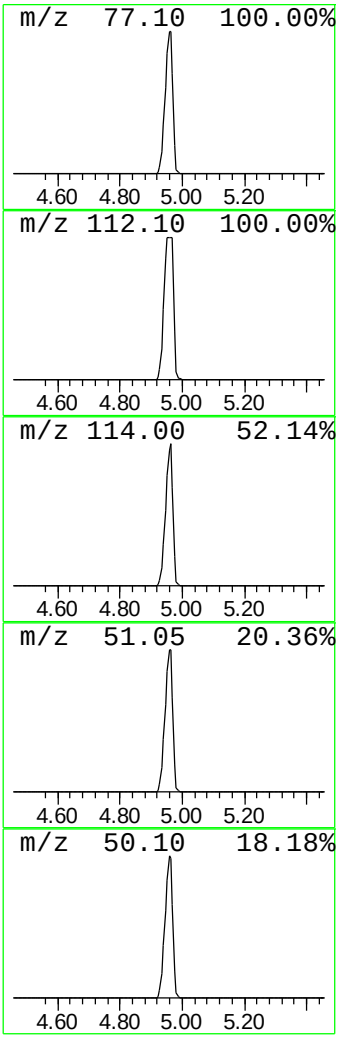
****

Peak Number 1 Benzene, chloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	11.10 ng/ul	64788700	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, chloro-	112	C6H5Cl	000108-90-7	93
2	Benzene, chloro-	112	C6H5Cl	000108-90-7	93
3	Benzene, chloro-	112	C6H5Cl	000108-90-7	90
4	Benzene, chloro-	112	C6H5Cl	000108-90-7	90
5	Phenol, 3-fluoro-	112	C6H5FO	000372-20-3	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

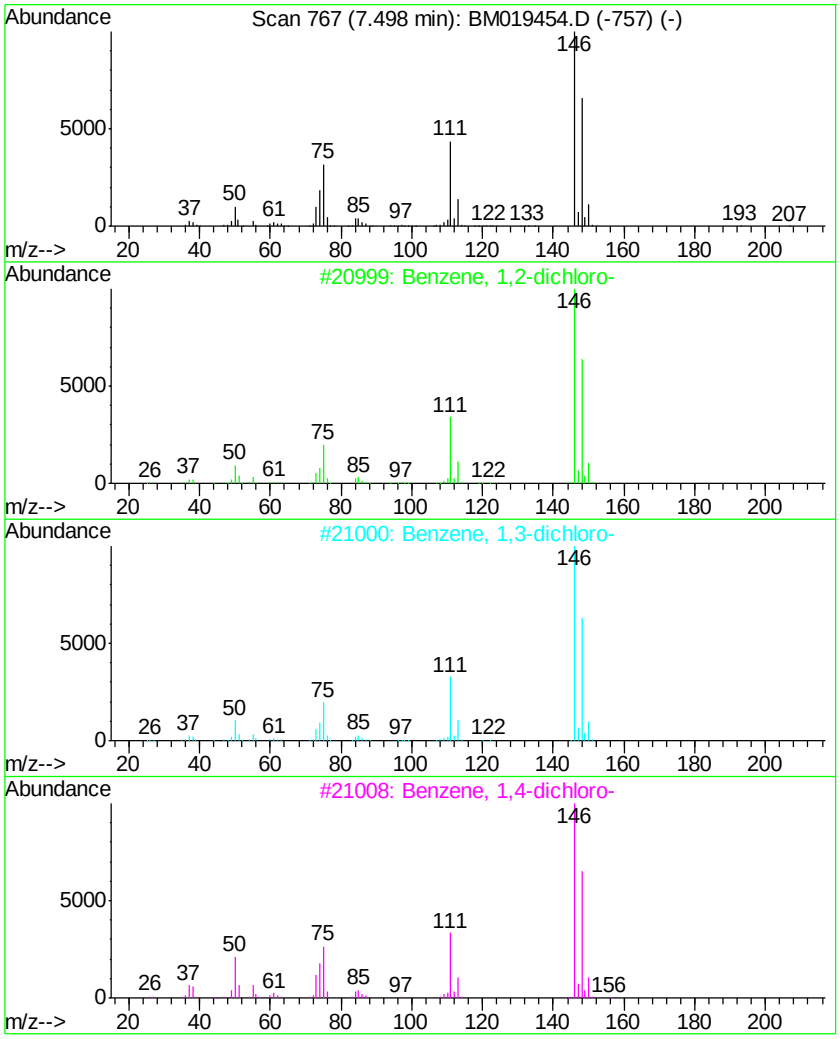
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

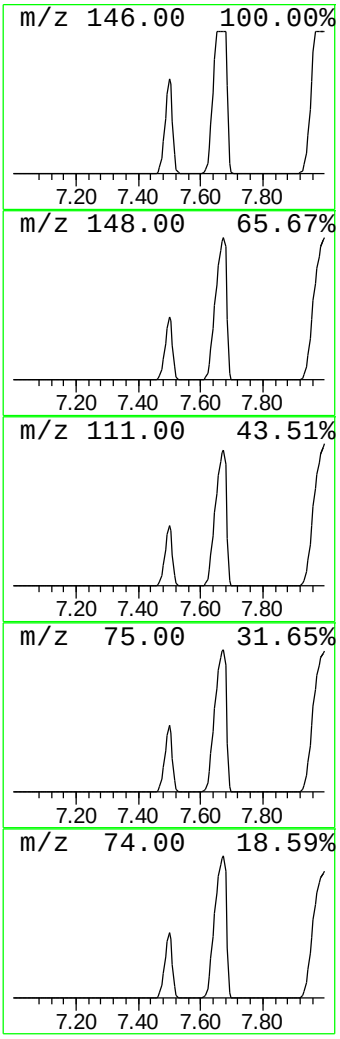
****

Peak Number 2 Benzene, 1,2-dichloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	6.00 ng/ul	35019400	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	97
2	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	97
3	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	96
4	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	96
5	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

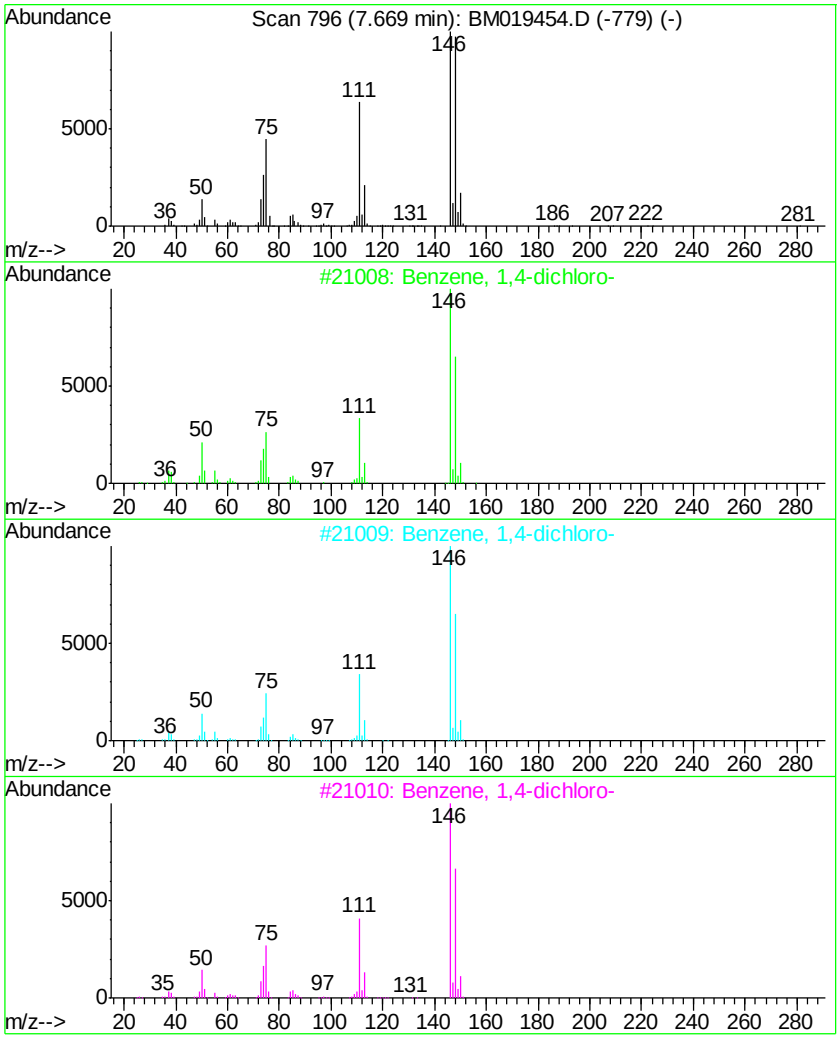
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

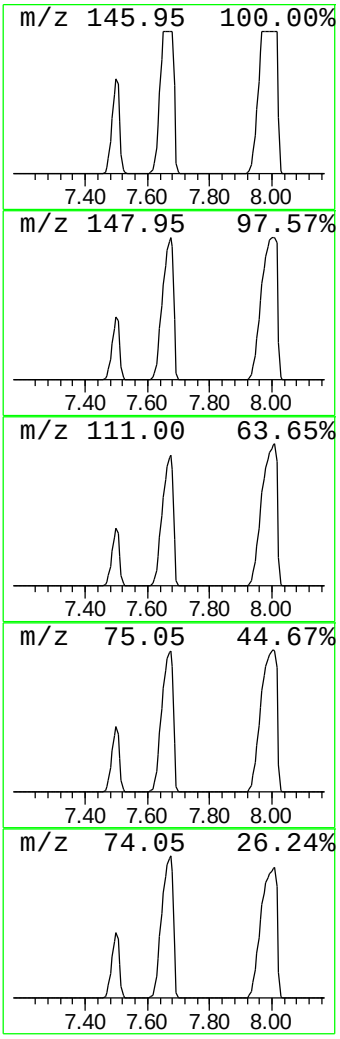
****

Peak Number 3 Benzene, 1,4-dichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	20.00 ng/ul	116697000	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	94
2	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	94
3	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	91
4	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	90
5	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

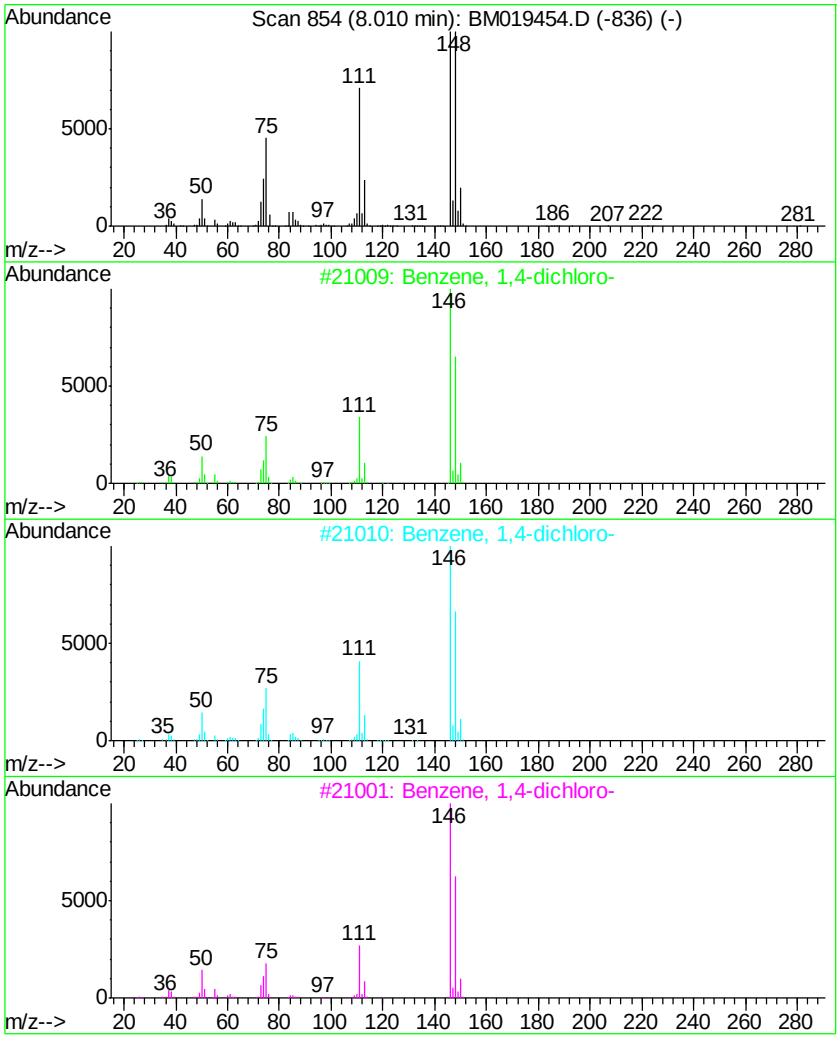
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

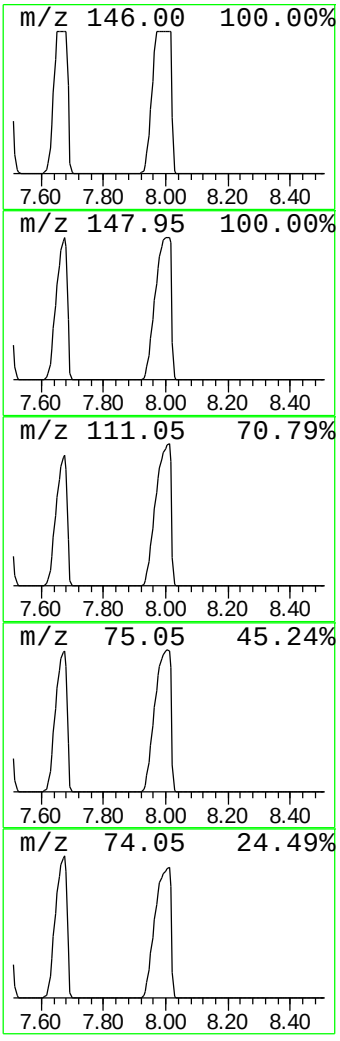
****

Peak Number 4 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	28.68 ng/ul	167353000	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	94
2	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	91
3	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	81
4	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	81
5	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

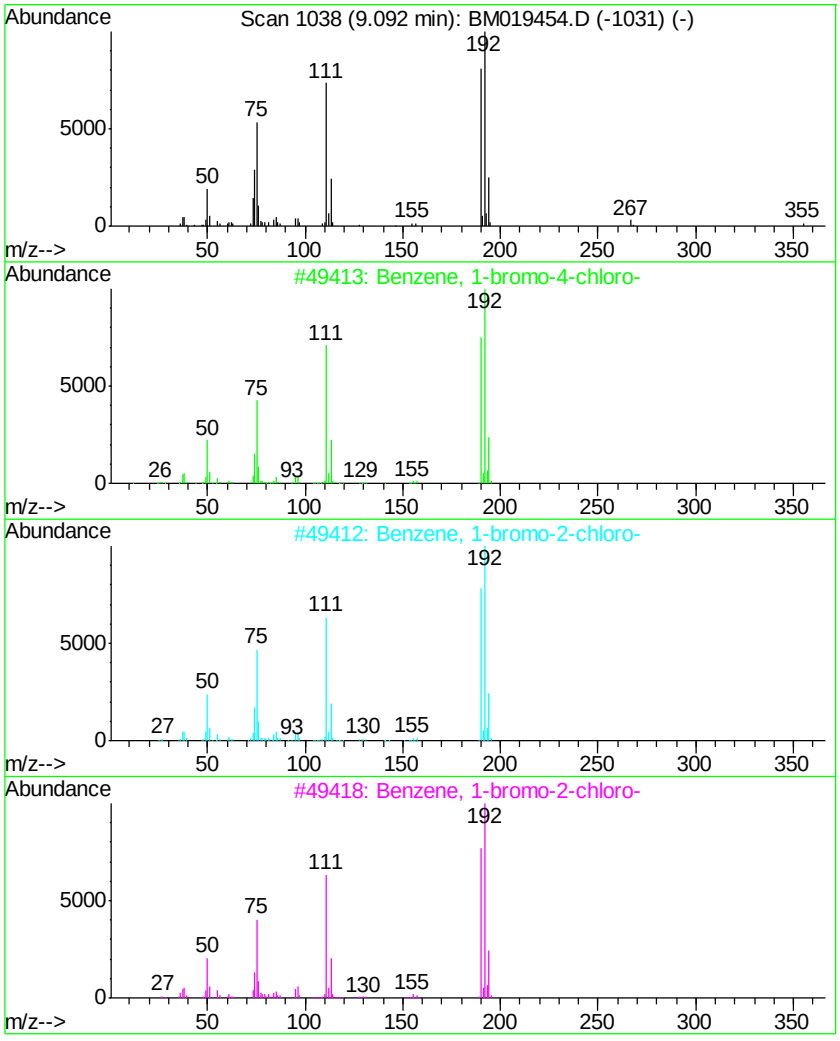
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

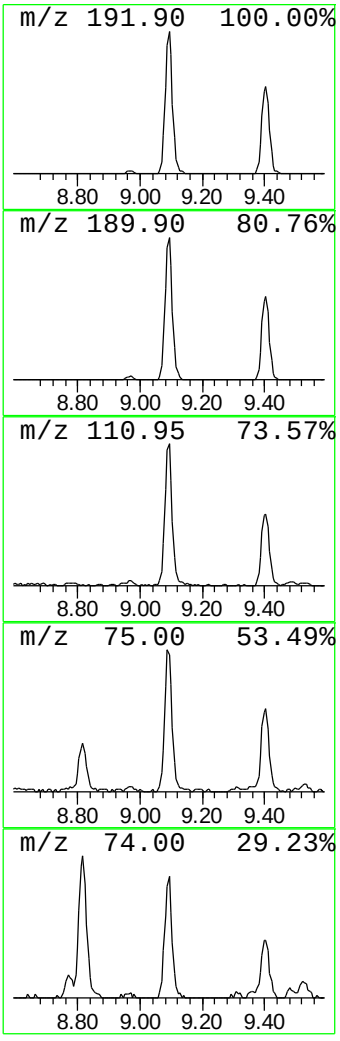
****

Peak Number 5 Benzene, 1-bromo-4-chloro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	5.18 ng/ul	361560	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	98
2	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	96
3	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	96
4	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	95
5	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	94





Library Search Compound Report

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Data File : BM019454.D
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Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

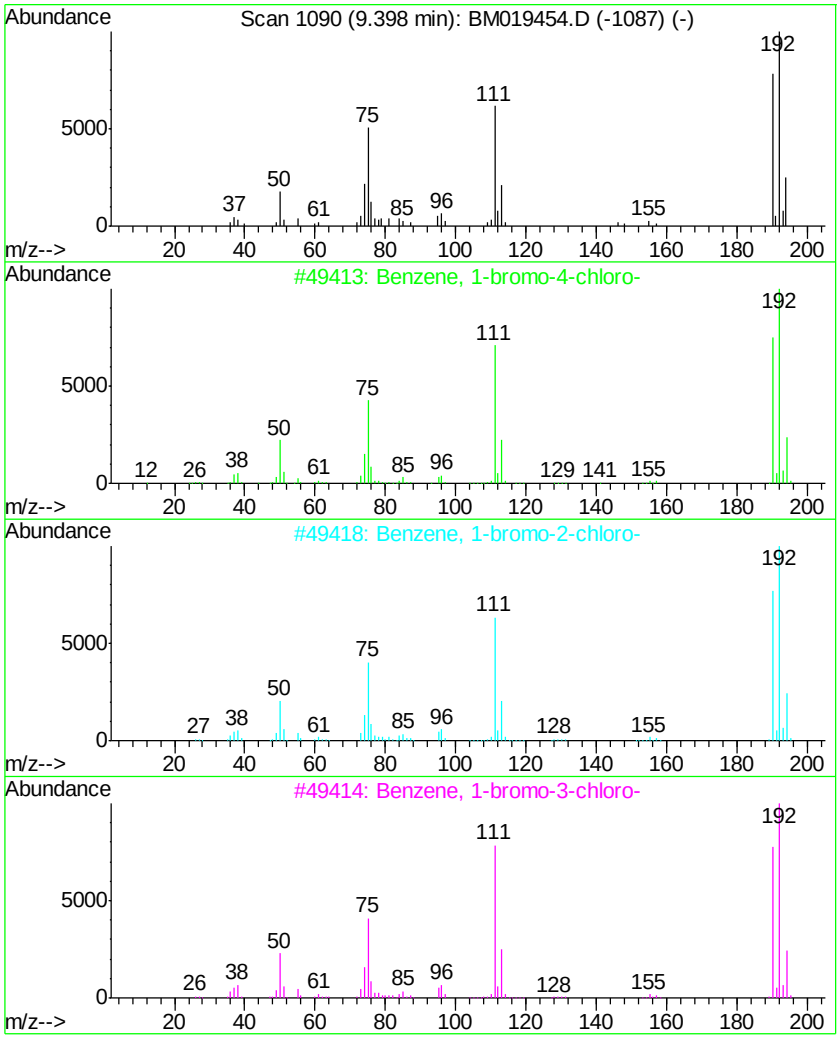
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

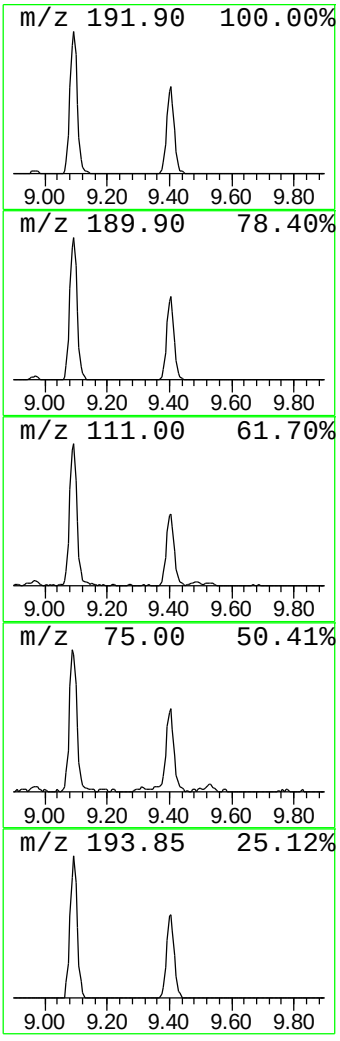
****

Peak Number 6 Benzene, 1-bromo-2-chloro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	3.33 ng/ul	232385	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	98
2	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	98
3	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97
4	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	96
5	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

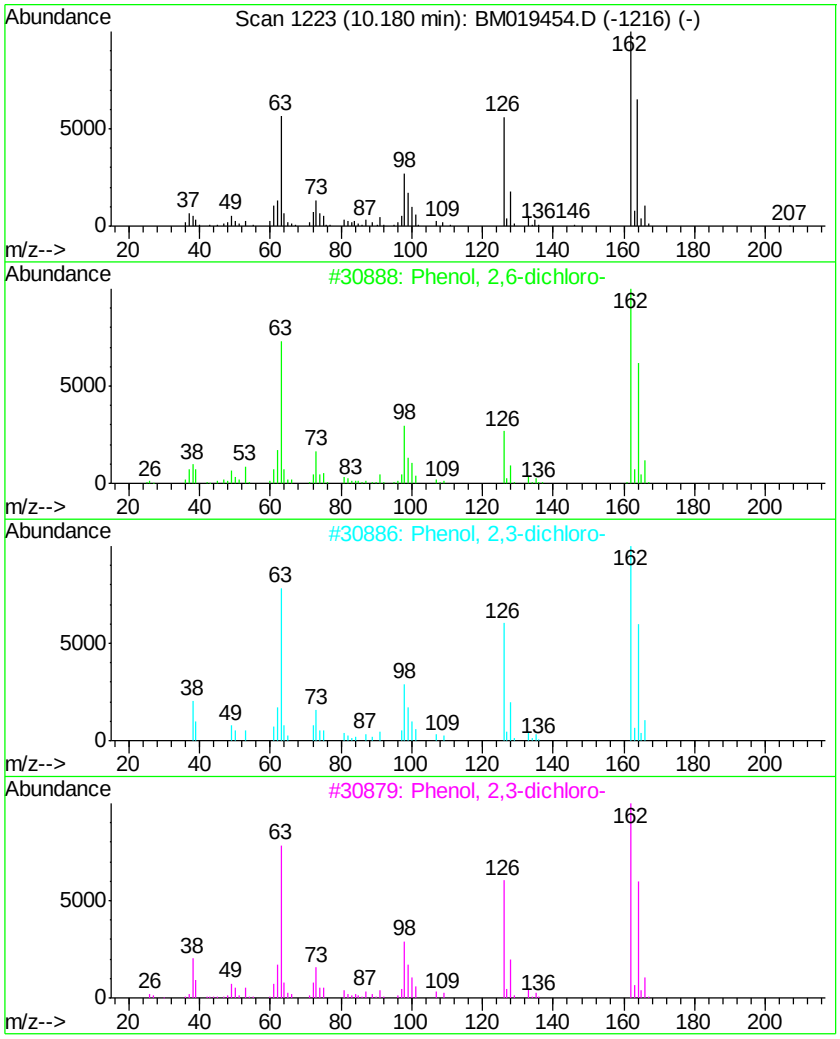
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

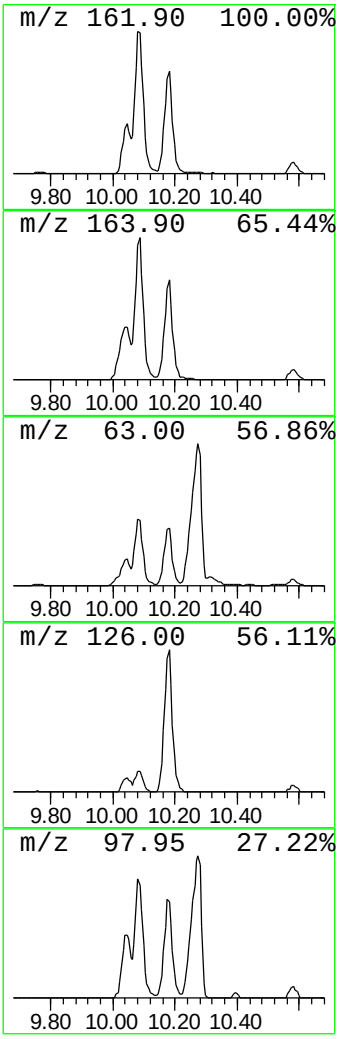
****

Peak Number 7 Phenol, 2,6-dichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	6.86 ng/ul	478437	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dichloro-	162	C6H4Cl2O	000087-65-0	96
2	Phenol, 2,3-dichloro-	162	C6H4Cl2O	000576-24-9	95
3	Phenol, 2,3-dichloro-	162	C6H4Cl2O	000576-24-9	95
4	Phenol, 2,5-dichloro-	162	C6H4Cl2O	000583-78-8	94
5	Phenol, 2,3-dichloro-	162	C6H4Cl2O	000576-24-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

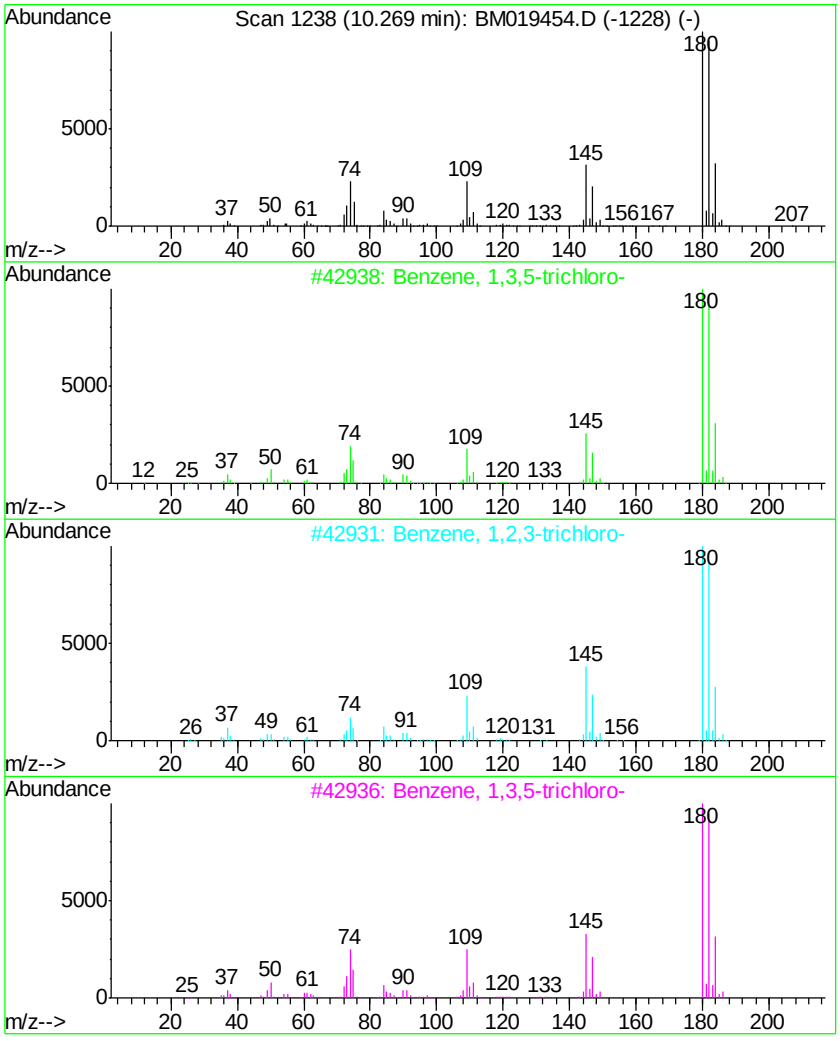
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

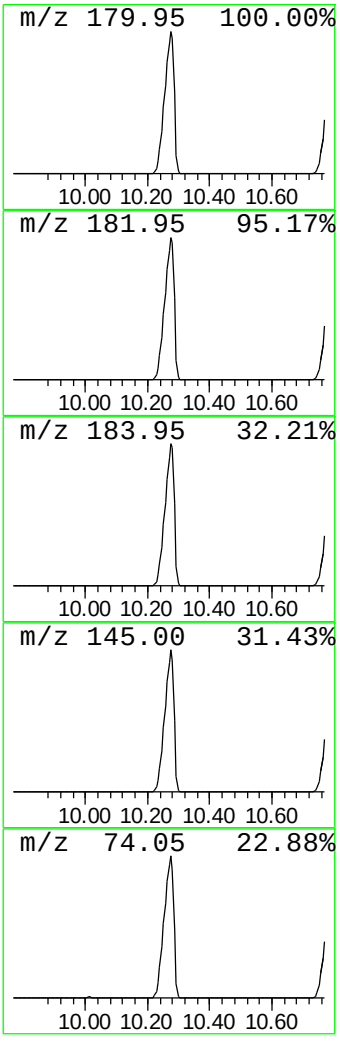
****

Peak Number 8 Benzene, 1,3,5-trichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	1158.05 ng/ul	80804300	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
2	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
3	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	97
4	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	95
5	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

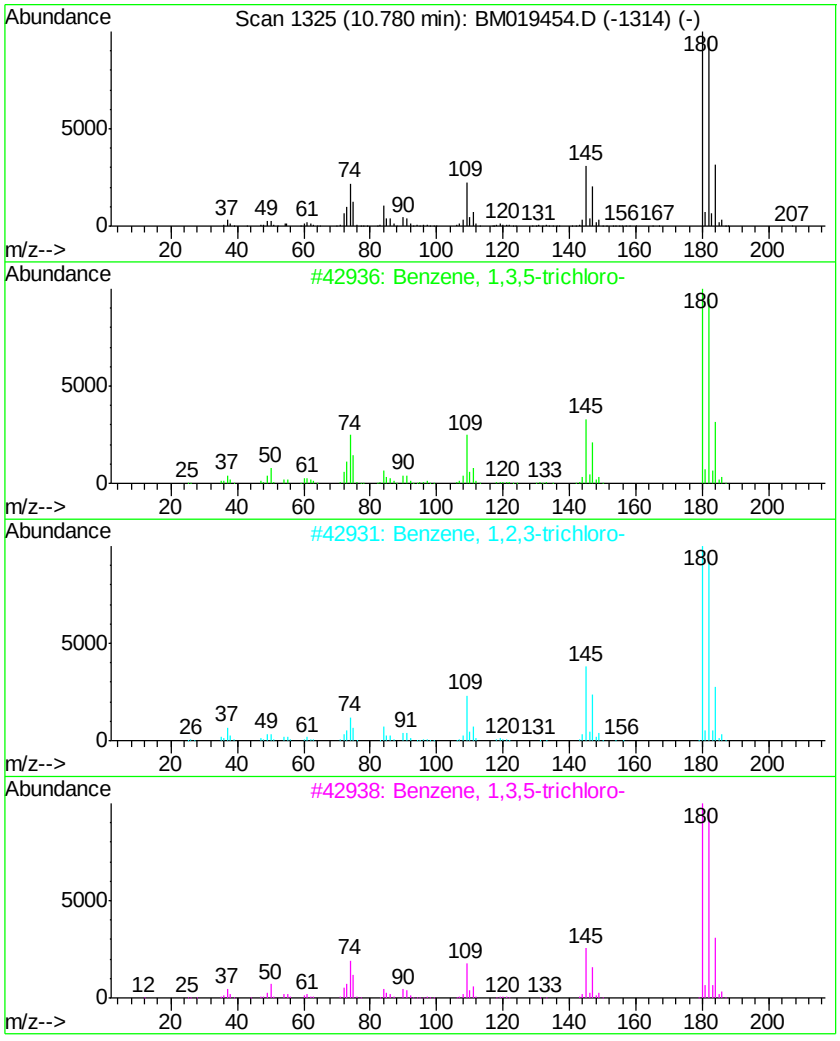
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

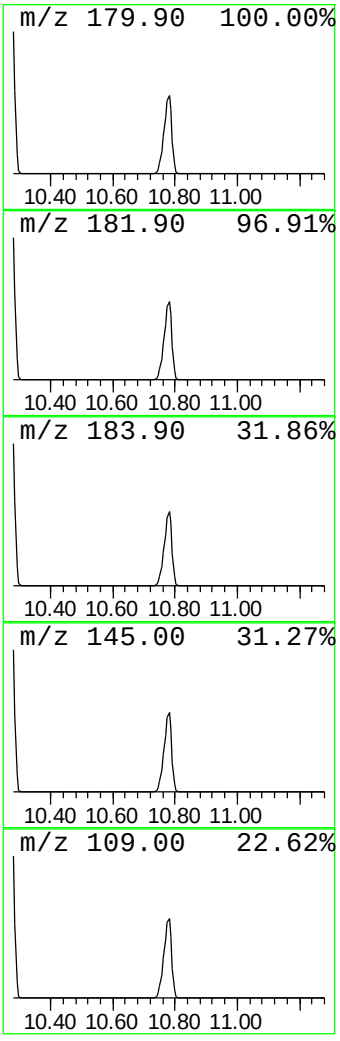
****

Peak Number 9 Benzene, 1,2,3-trichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	507.37 ng/ul	35402600	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
2	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
3	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
4	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	97
5	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	96





Library Search Compound Report

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Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

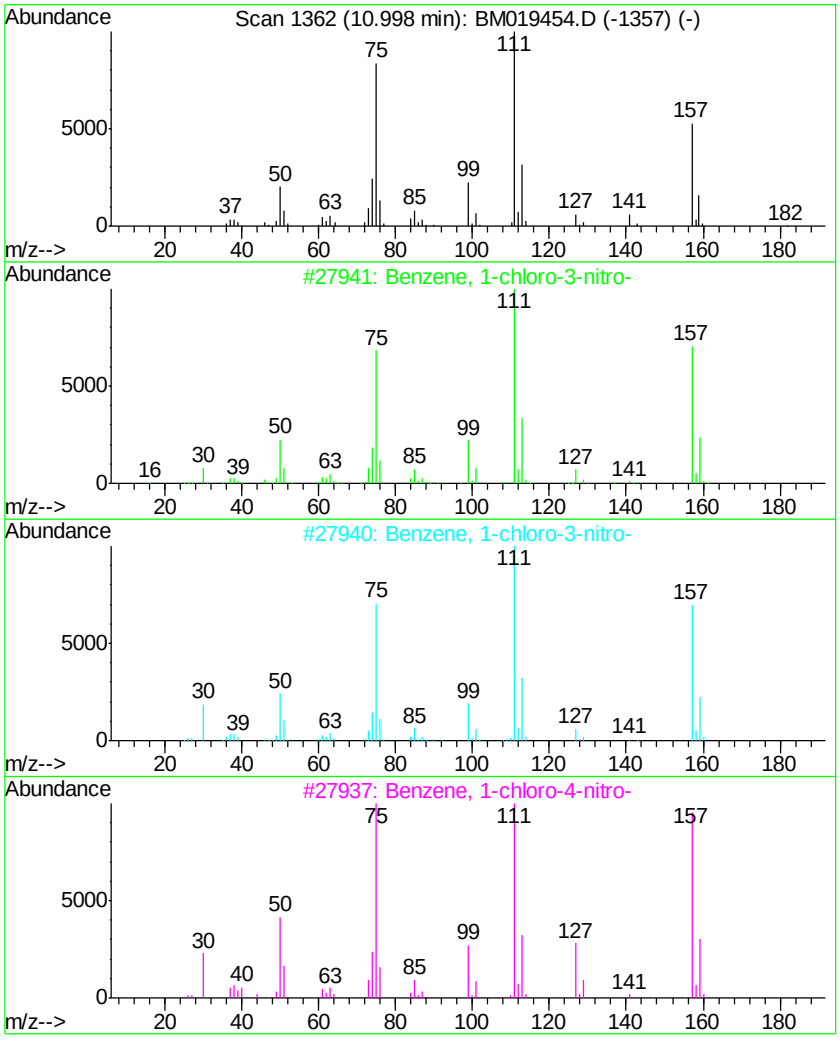
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

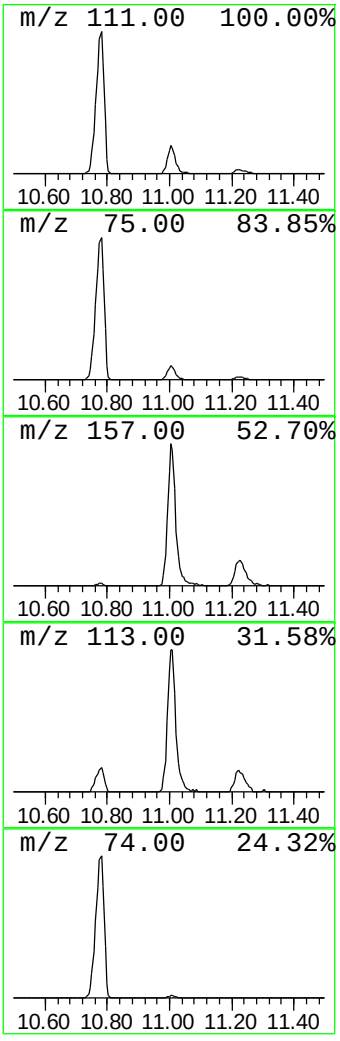
****

Peak Number 10 Benzene, 1-chloro-3-nitro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	7.69 ng/ul	536483	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	97
2	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	96
3	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	94
4	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	93
5	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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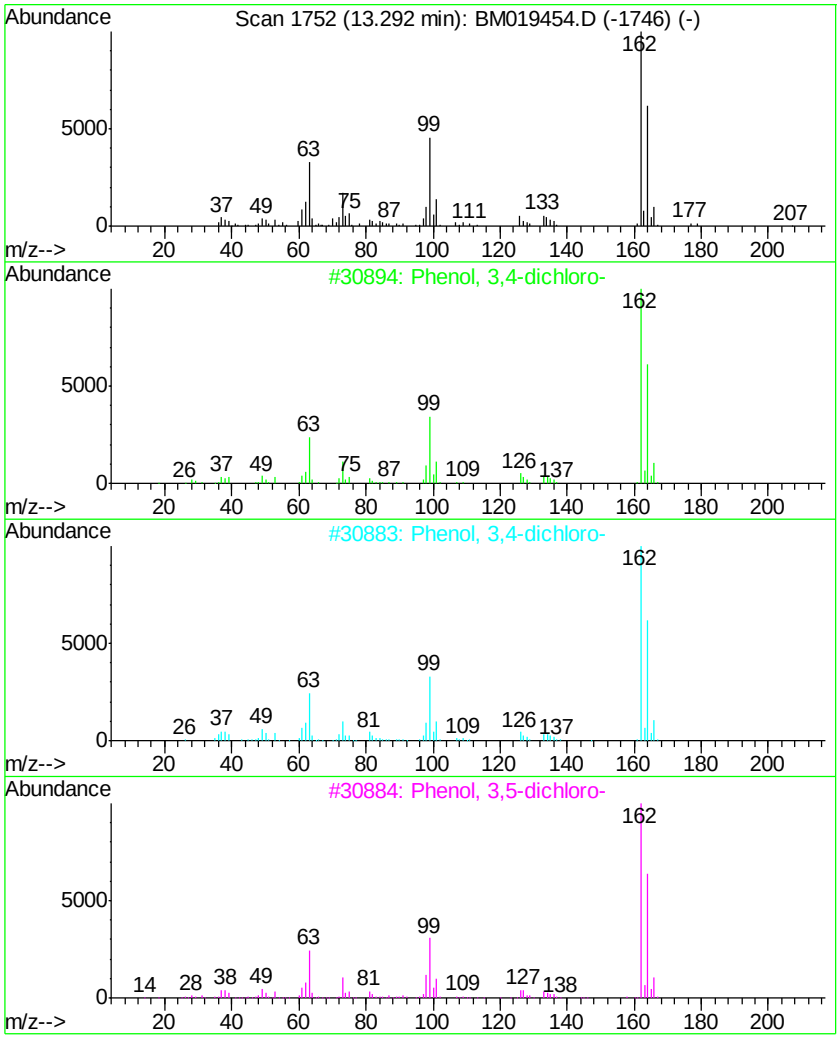
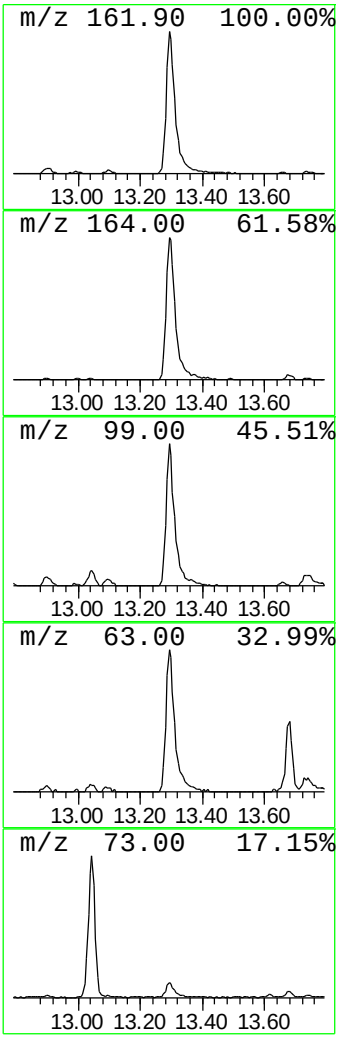
Peak Number 11 Phenol, 3,4-dichloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	6.81 ng/ul	580627	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,4-dichloro-	162	C6H4Cl2O	000095-77-2	96
2	Phenol, 3,4-dichloro-	162	C6H4Cl2O	000095-77-2	95
3	Phenol, 3,5-dichloro-	162	C6H4Cl2O	000591-35-5	93
4	Phenol, 3,5-dichloro-	162	C6H4Cl2O	000591-35-5	91
5	Phenol, 3,5-dichloro-	162	C6H4Cl2O	000591-35-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032519\
Data File : BM019454.D
Acq On : 26 Mar 2019 04:51
Operator : JU/SJ
Sample : K2027-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09B1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, chloro-	4.96	11.1	ng/ul	64788700	1	7.61	116697000	20.0
Benzene, 1,2-dich...	7.50	6.0	ng/ul	35019400	1	7.61	116697000	20.0
Benzene, 1,4-dich...	7.67	20.0	ng/ul	116697000	1	7.61	116697000	20.0
unknown-01	8.01	28.7	ng/ul	167353000	1	7.61	116697000	20.0
Benzene, 1-bromo-...	9.09	5.2	ng/ul	361560	2	10.39	1395520	20.0
Benzene, 1-bromo-...	9.40	3.3	ng/ul	232385	2	10.39	1395520	20.0
Phenol, 2,6-dichl...	10.18	6.9	ng/ul	478437	2	10.39	1395520	20.0
Benzene, 1,3,5-tr...	10.27	1158.1	ng/ul	80804300	2	10.39	1395520	20.0
Benzene, 1,2,3-tr...	10.78	507.4	ng/ul	35402600	2	10.39	1395520	20.0
Benzene, 1-chloro...	11.00	7.7	ng/ul	536483	2	10.39	1395520	20.0
Phenol, 3,4-dichl...	13.29	6.8	ng/ul	580627	3	14.26	1705430	20.0