LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
Data File : BM019527.D
Acq On : 28 Mar 2019 04:44
Operator : JU/SJ
Sample : K2069-12DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09D9DL

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	4.957	323	335	340	rBV3	47171152	131218975	100.00%	32.193%
2	7.475	755	763	776	rBV	7117358	11229997	8.56%	2.755%
3	7.646	776	792	797	rBV2	45826989	100518100	76.60%	24.661%
4	7.969	833	847	851	rBV2	45919704	116292122	88.62%	28.531%
5	8.757	974	981	983	rBV	89840	148322	0.11%	0.036%
6	8.798	983	988	1005	rVB	800759	1448484	1.10%	0.355%
7	9.075	1028	1035	1044	rBV	98607	165471	0.13%	0.041%
8	10.004	1187	1193	1210	rBV	76126	168392	0.13%	0.041%
9	10.239	1223	1233	1248	rBV	15437810	25255676	19.25%	6.196%
10	10.369	1248	1255	1261	rBV	519090	846434	0.65%	0.208%
11	10.745	1311	1319	1333	rBV	4044375	6482248	4.94%	1.590%
12	10.986	1353	1360	1380	rBV	773618	1434566	1.09%	0.352%
13	11.210	1391	1398	1414	rBV2	102351	264453	0.20%	0.065%
14	12.416	1592	1603	1615	rBV	155124	304195	0.23%	0.075%
15	13.028	1701	1707	1717	rBV	505811	836732	0.64%	0.205%
16	13.669	1811	1816	1826	rBV	178765	301486	0.23%	0.074%
17	13.939	1856	1862	1873	rVB	233368	344861	0.26%	0.085%
18	14.245	1908	1914	1924	rBV2	720958	1098820	0.84%	0.270%
19	15.251	2079	2085	2102	rVB	271118	439062	0.33%	0.108%
20	17.004	2377	2383	2394	rBV	936514	1300529	0.99%	0.319%
21	17.104	2394	2400	2415	rVB2	289918	472096	0.36%	0.116%
22	18.380	2612	2617	2623	rVB	1103933	1491662	1.14%	0.366%
23	19.409	2787	2792	2801	rBV2	388163	574741	0.44%	0.141%
24	21.209	3093	3098	3107	rBV	1332550	1810641	1.38%	0.444%
25	23.274	3443	3449	3459	rBV2	509459	952363	0.73%	0.234%
26	23.415	3467	3473	3483	rVB	1162484	2196548	1.67%	0.539%

Sum of corrected areas: 407596976

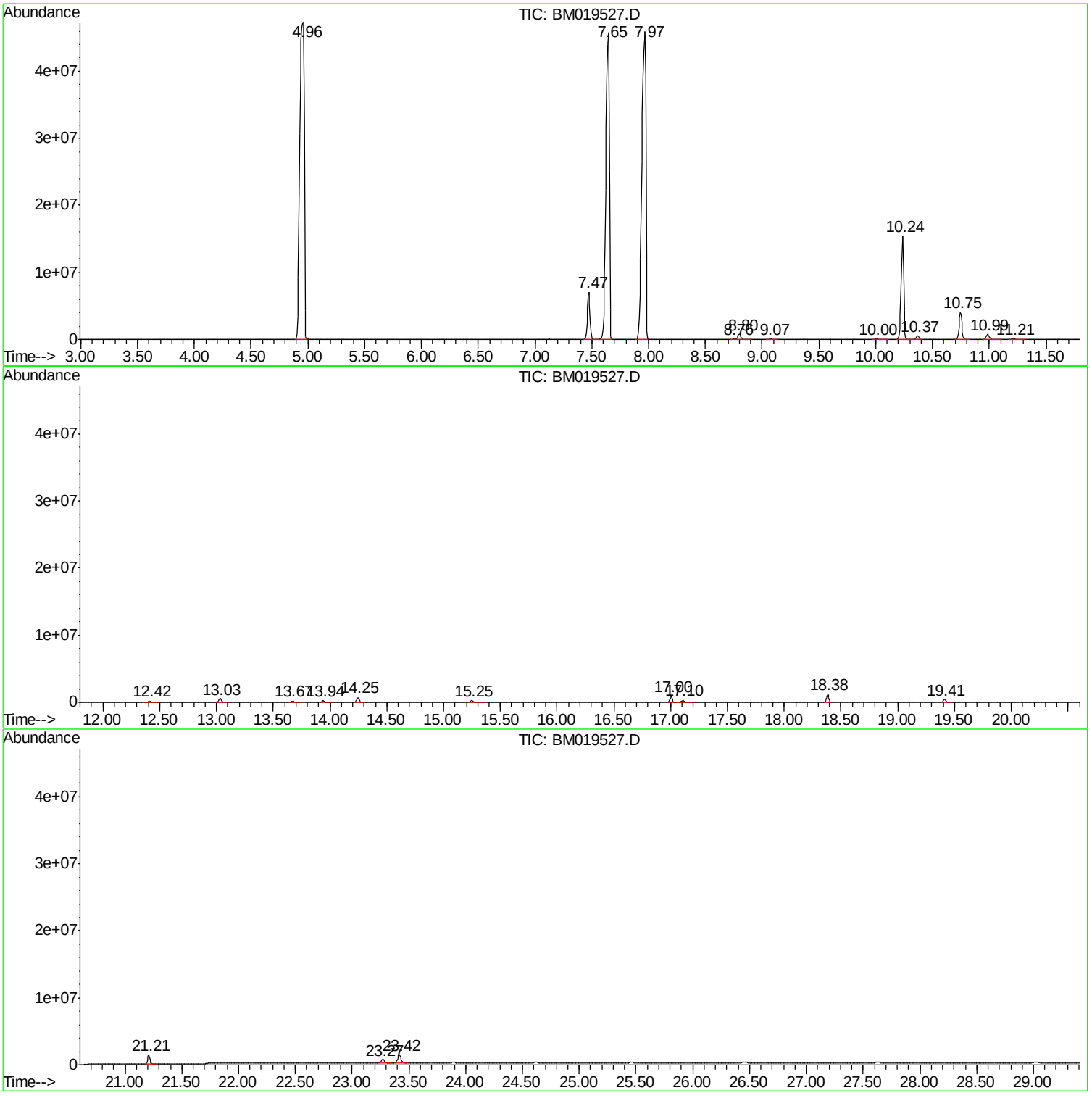
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
Data File : BM019527.D
Acq On : 28 Mar 2019 04:44
Operator : JU/SJ
Sample : K2069-12DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C09D9DL

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\BM032719\
Data File : BM019527.D
Acq On : 28 Mar 2019 04:44
Operator : JU/SJ
Sample : K2069-12DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09D9DL

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

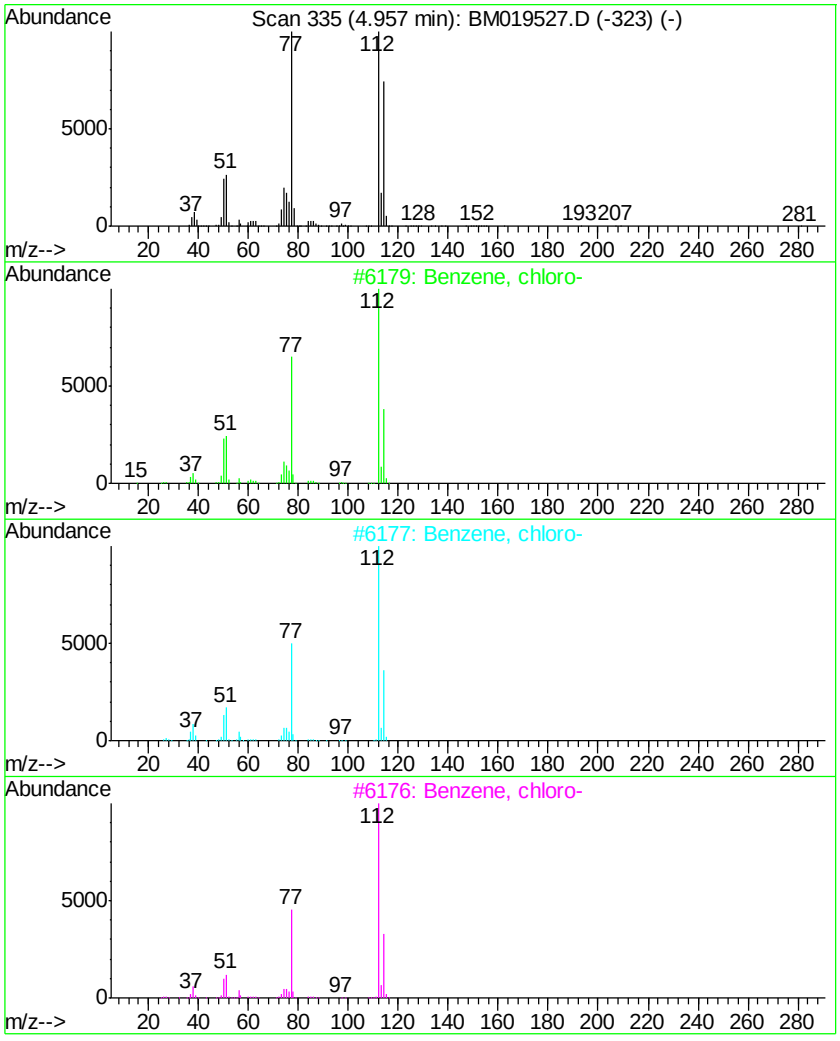
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

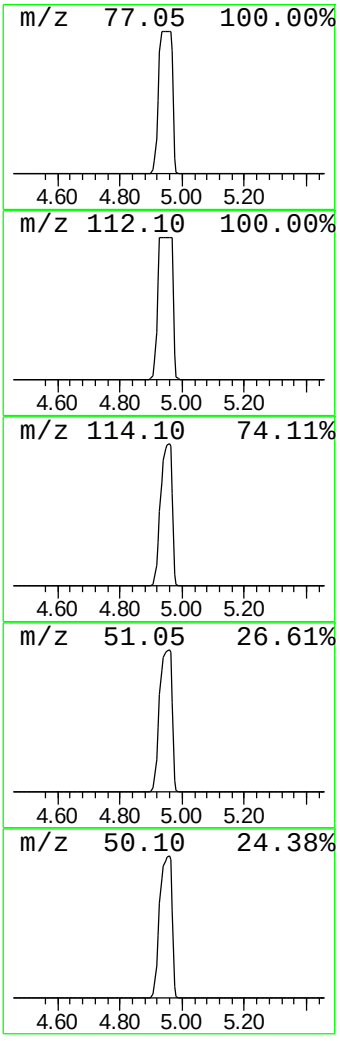
****

Peak Number 1 Benzene, chloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	26.11 ng/ul	131219000	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, chloro-	112	C6H5Cl	000108-90-7	90
2	Benzene, chloro-	112	C6H5Cl	000108-90-7	64
3	Benzene, chloro-	112	C6H5Cl	000108-90-7	58
4	Benzene, chloro-	112	C6H5Cl	000108-90-7	53
5	3-Hydroxypyridazine 1-oxide	112	C4H4N2O2	018259-51-3	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
Data File : BM019527.D
Acq On : 28 Mar 2019 04:44
Operator : JU/SJ
Sample : K2069-12DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C09D9DL

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

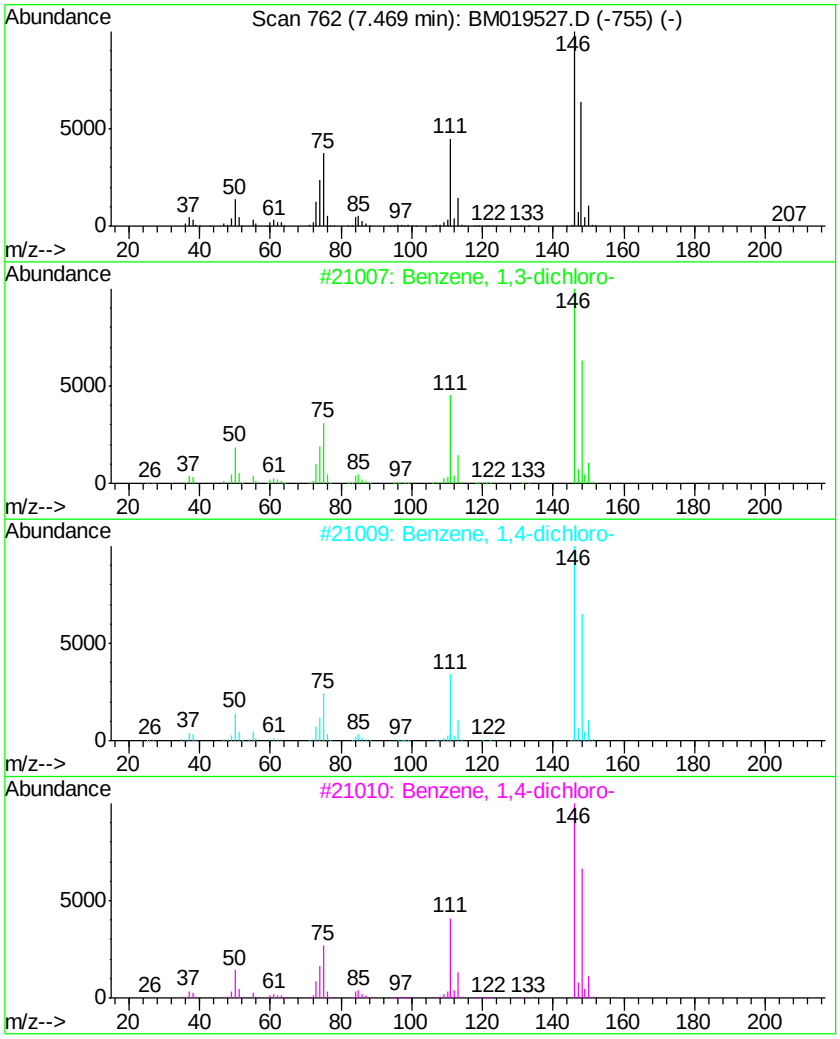
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

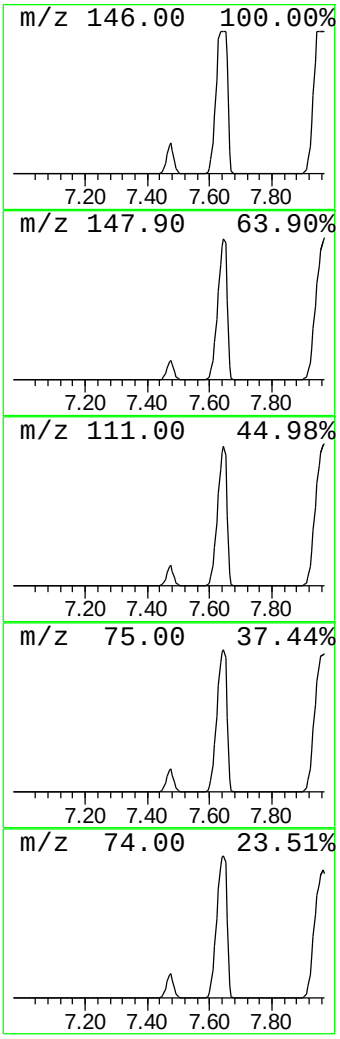
****

Peak Number 2 Benzene, 1,3-dichloro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	2.23 ng/ul	11230000	1,4-Dichlorobenzene-d4	7.59

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
Data File : BM019527.D
Acq On : 28 Mar 2019 04:44
Operator : JU/SJ
Sample : K2069-12DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09D9DL

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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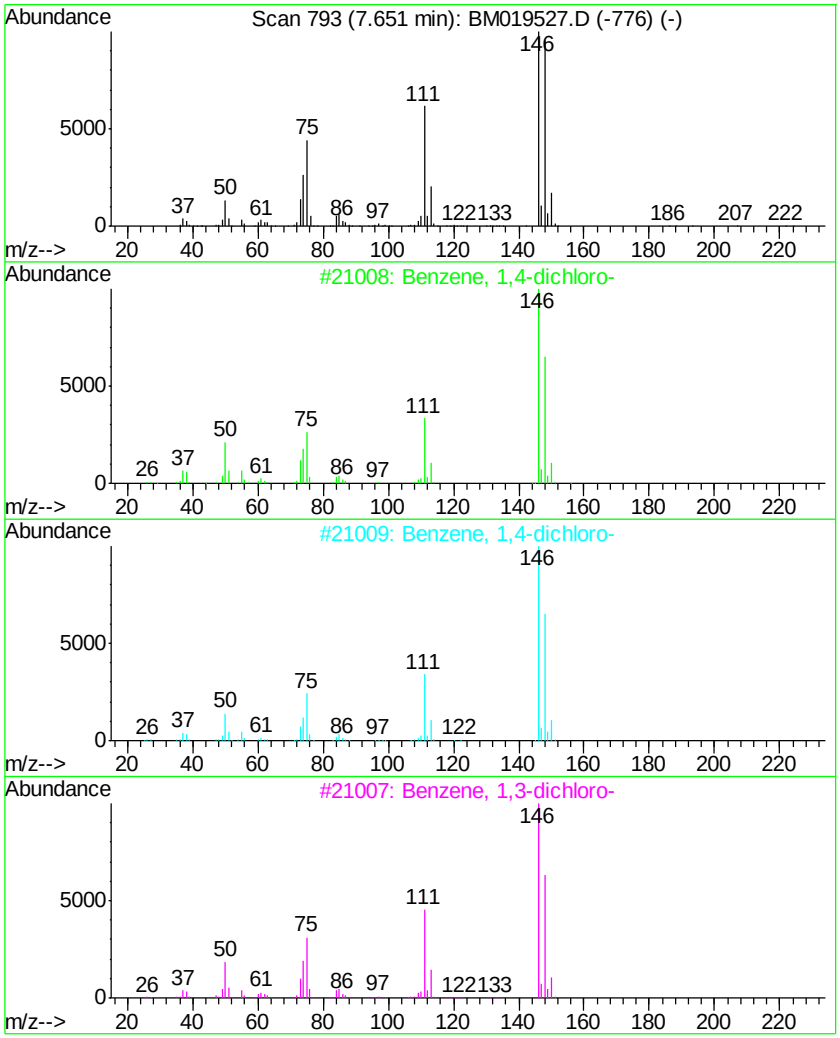
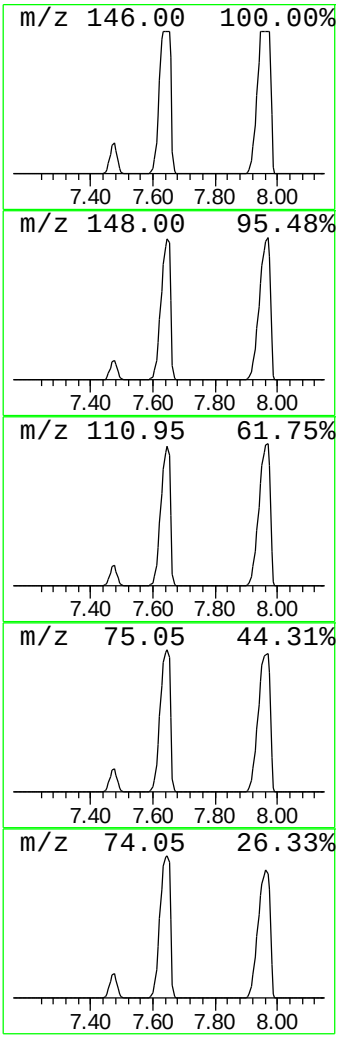
Peak Number 3 Benzene, 1,2-dichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	20.00 ng/ul	100518000	1,4-Dichlorobenzene-d4	7.59

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, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	90
4	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	90
5	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
Data File : BM019527.D
Acq On : 28 Mar 2019 04:44
Operator : JU/SJ
Sample : K2069-12DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09D9DL

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

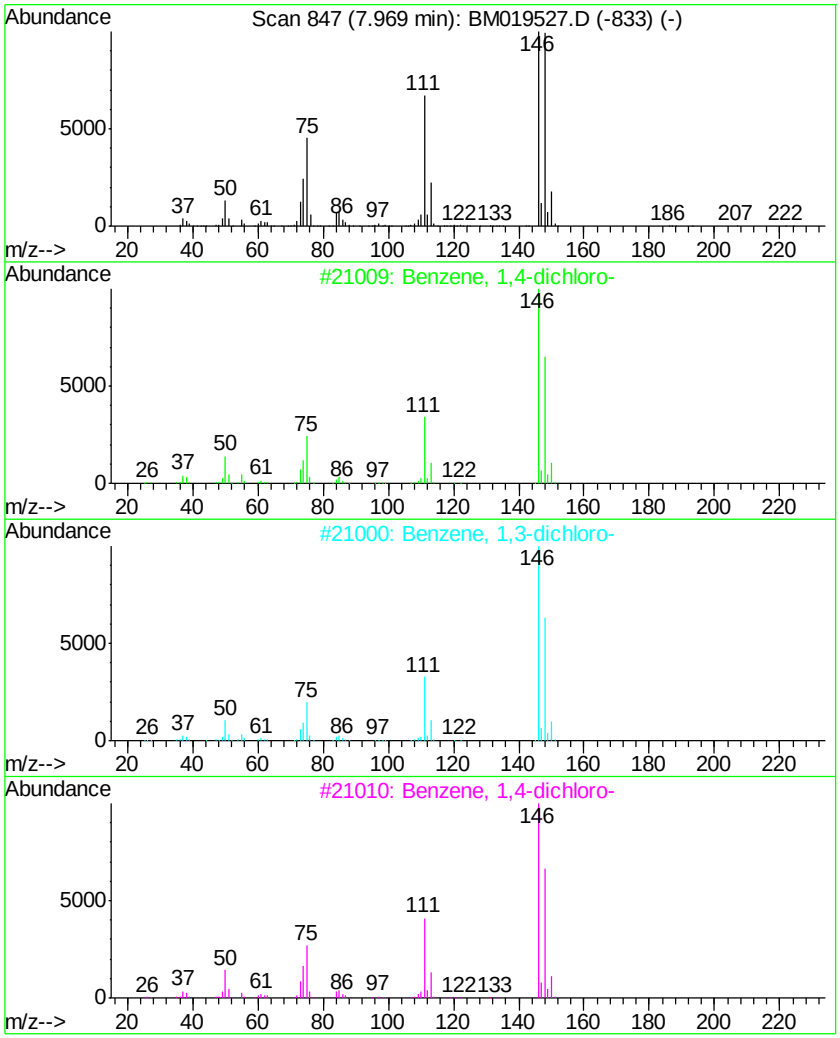
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

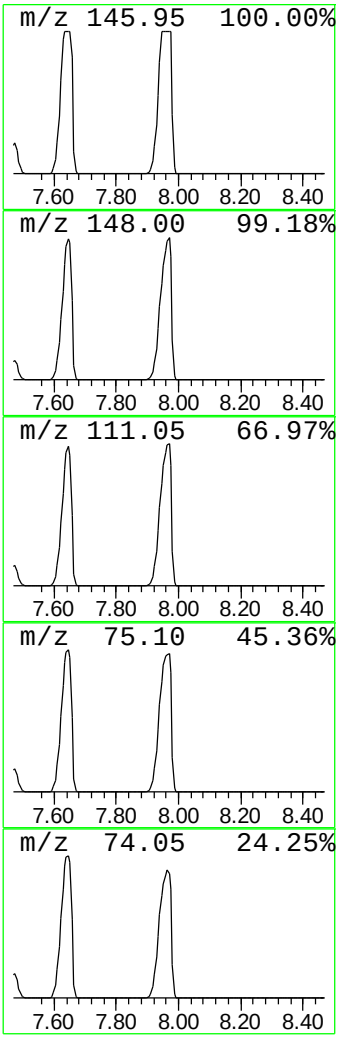
****

Peak Number 4 Benzene, 1,4-dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	23.14 ng/ul	116292000	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	94
2	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	93
3	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	91
4	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	90
5	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
Data File : BM019527.D
Acq On : 28 Mar 2019 04:44
Operator : JU/SJ
Sample : K2069-12DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09D9DL

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

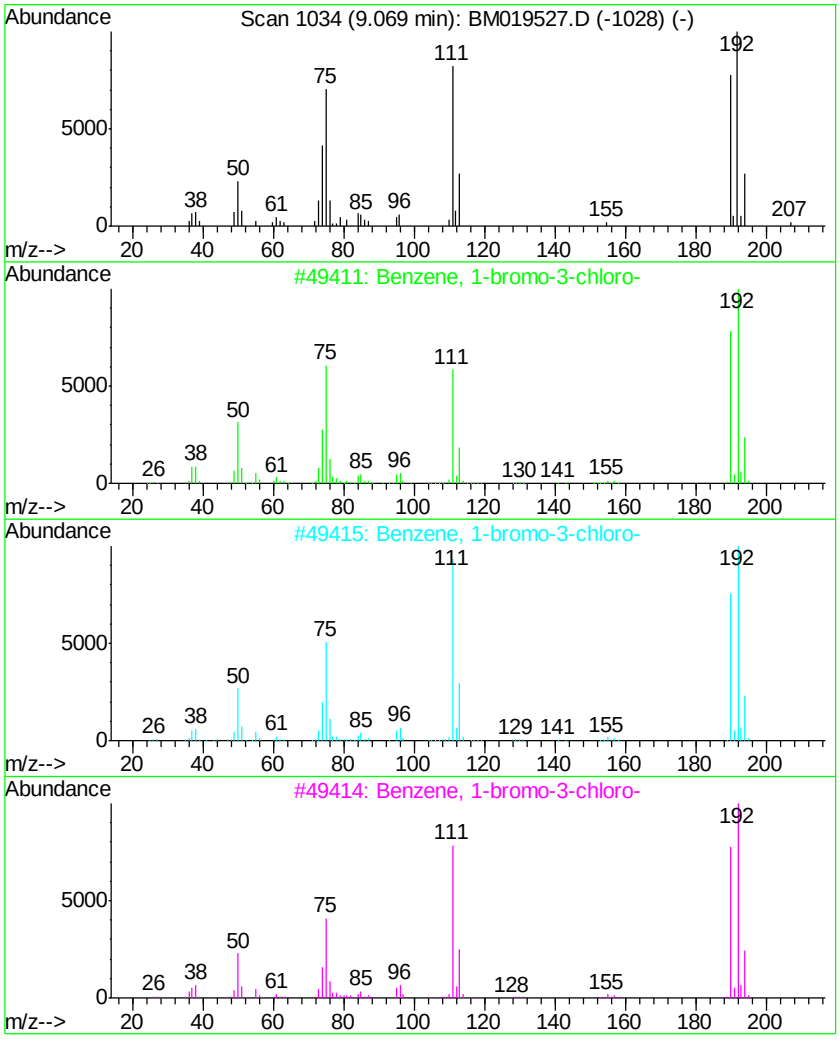
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

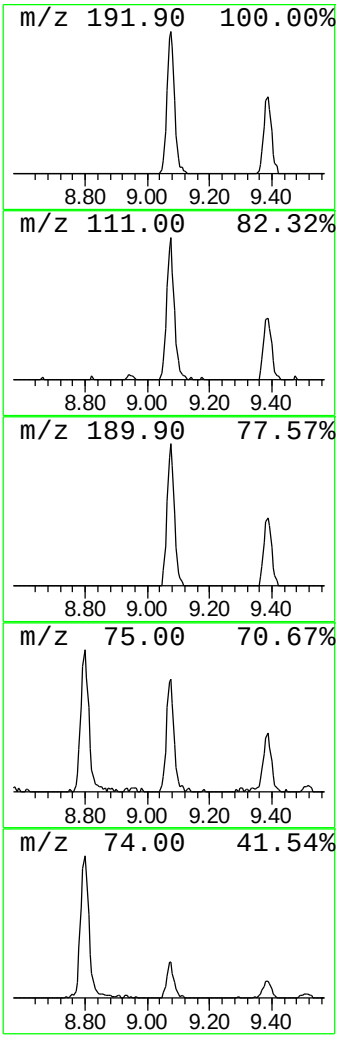
****

Peak Number 5 Benzene, 1-bromo-3-chloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	3.91 ng/ul	165471	Naphthalene-d8	10.37

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
Data File : BM019527.D
Acq On : 28 Mar 2019 04:44
Operator : JU/SJ
Sample : K2069-12DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09D9DL

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

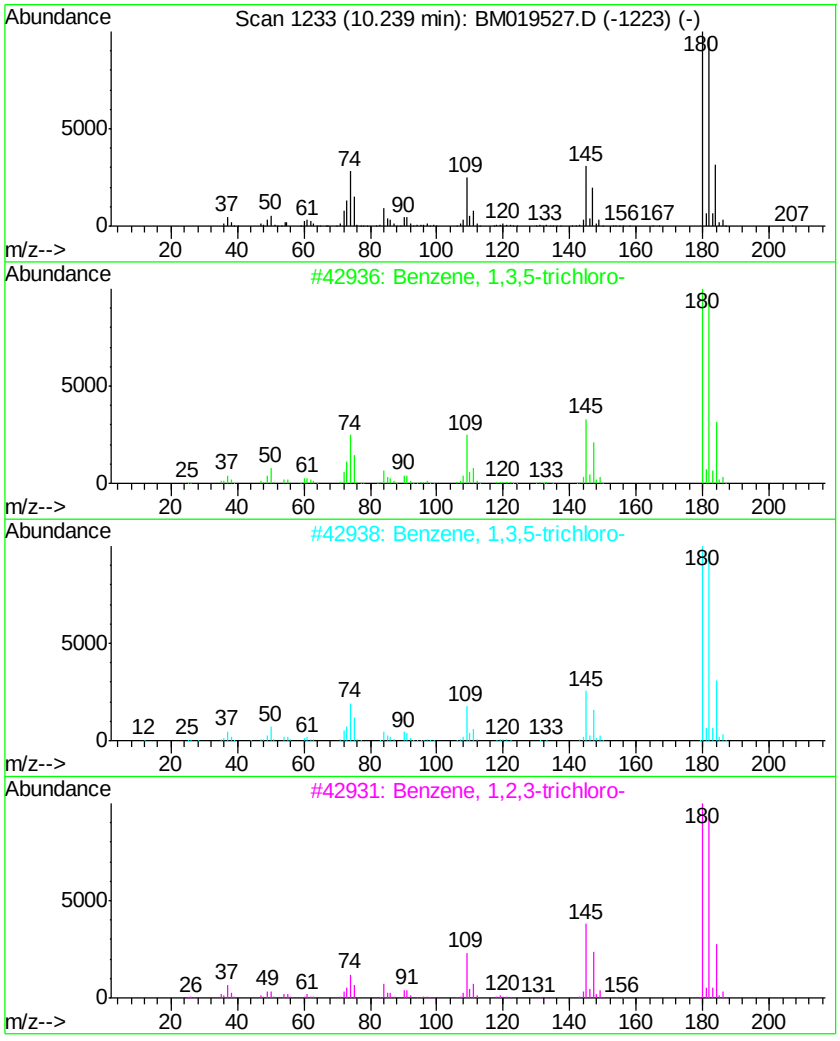
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

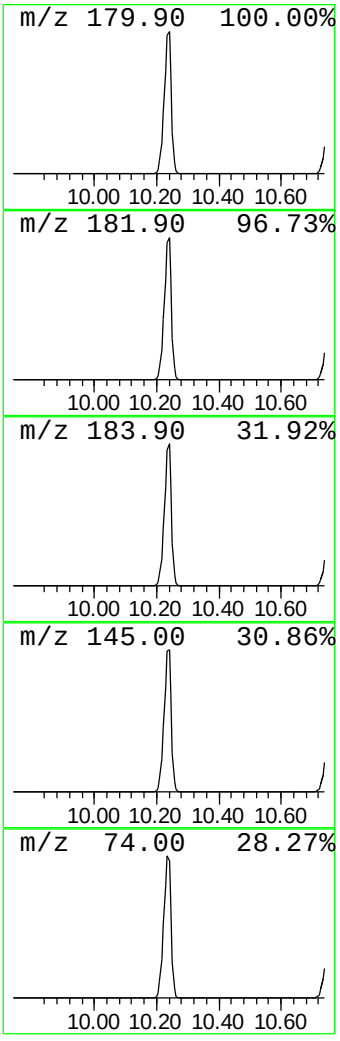
****

Peak Number 6 Benzene, 1,3,5-trichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	596.76 ng/ul	25255700	Naphthalene-d8	10.37

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
Data File : BM019527.D
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Operator : JU/SJ
Sample : K2069-12DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09D9DL

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

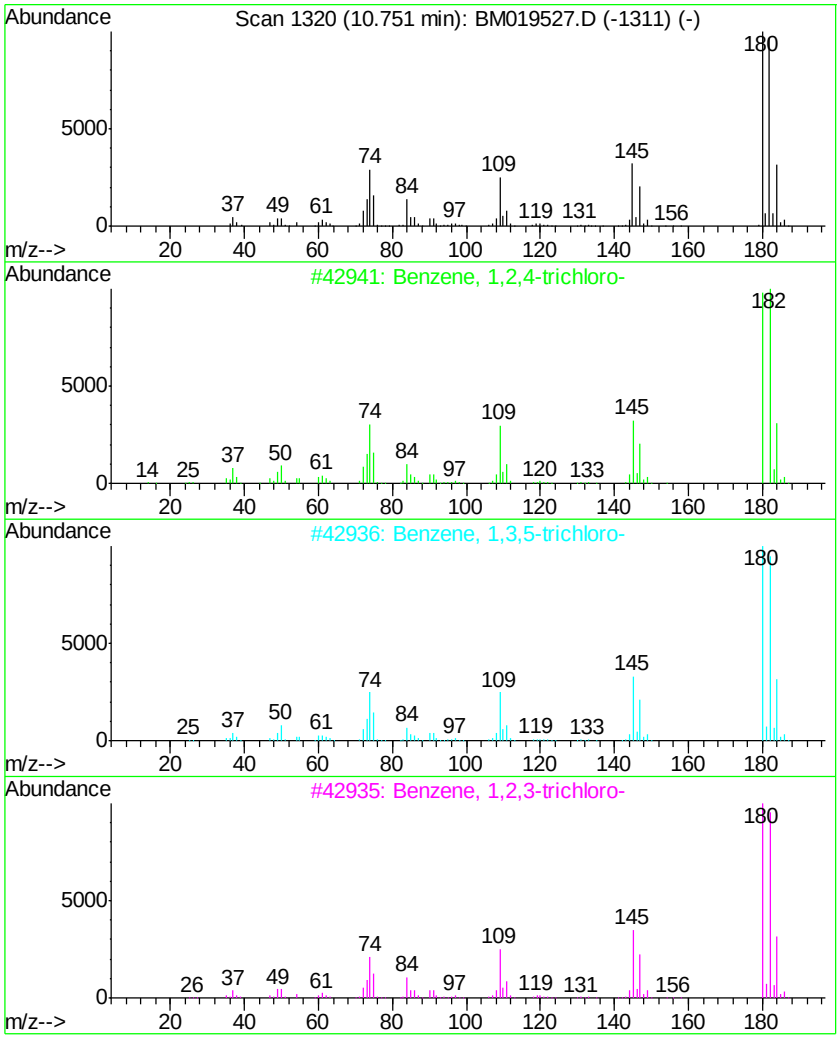
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

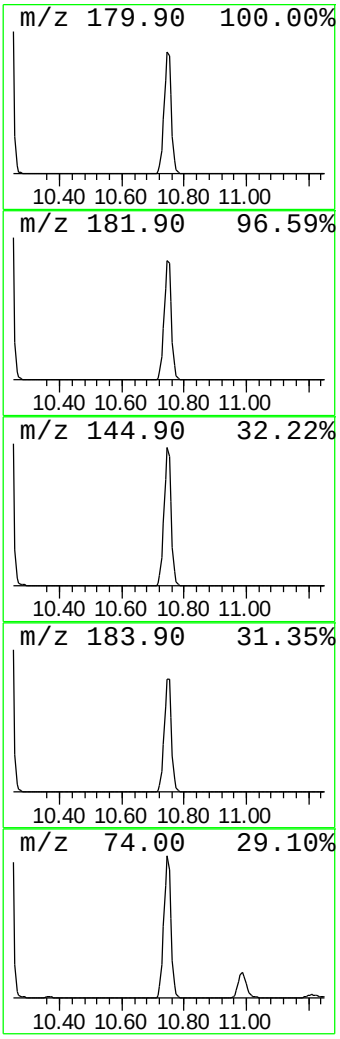
****

Peak Number 7 Benzene, 1,2,4-trichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	153.17 ng/ul	6482250	Naphthalene-d8	10.37

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





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

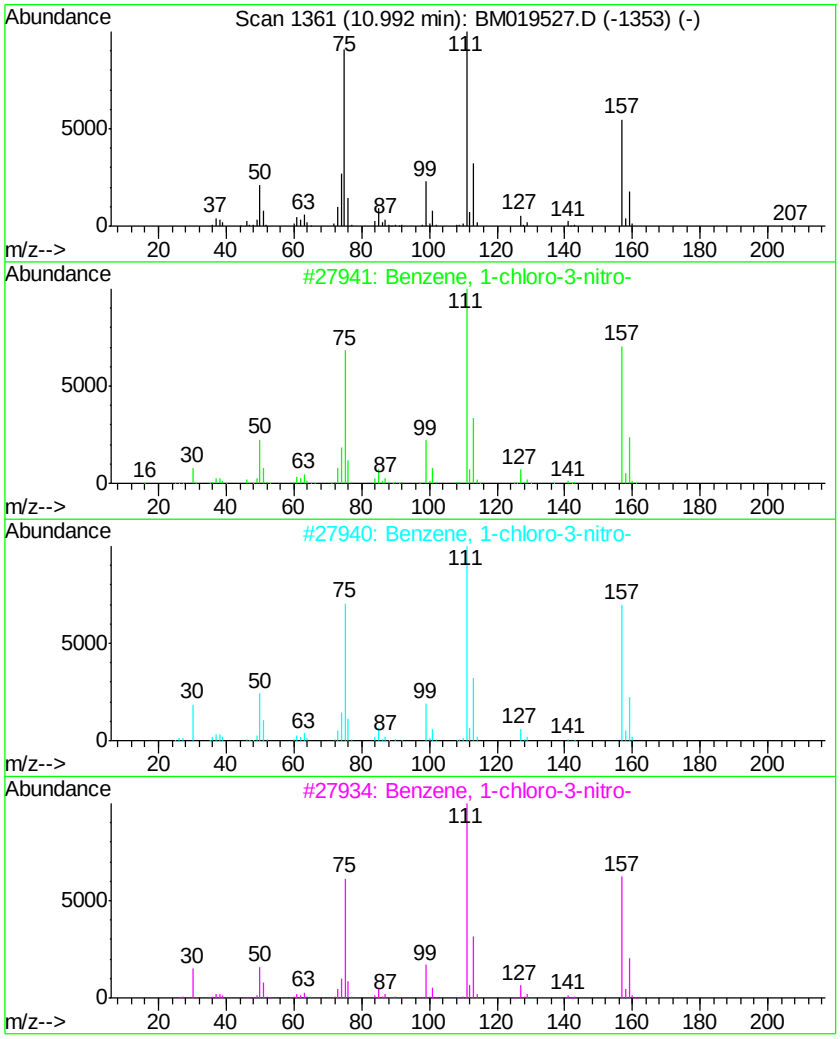
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

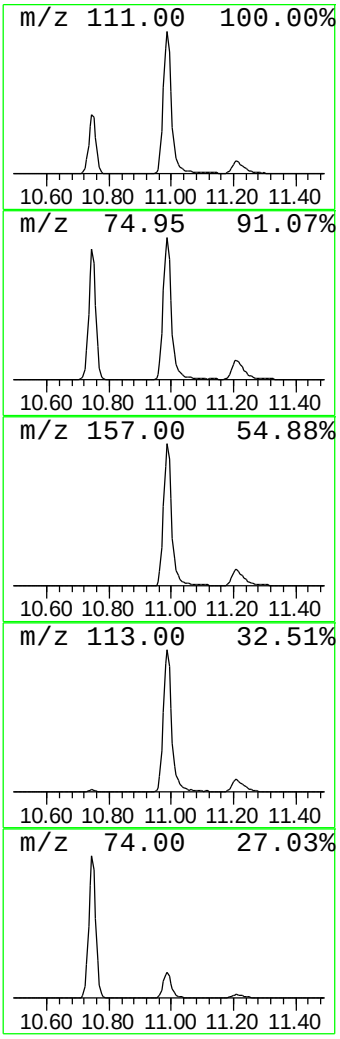
****

Peak Number 8 Benzene, 1-chloro-3-nitro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	33.90 ng/ul	1434570	Naphthalene-d8	10.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	96
2	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	93
3	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	93
4	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	91
5	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
Data File : BM019527.D
Acq On : 28 Mar 2019 04:44
Operator : JU/SJ
Sample : K2069-12DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09D9DL

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

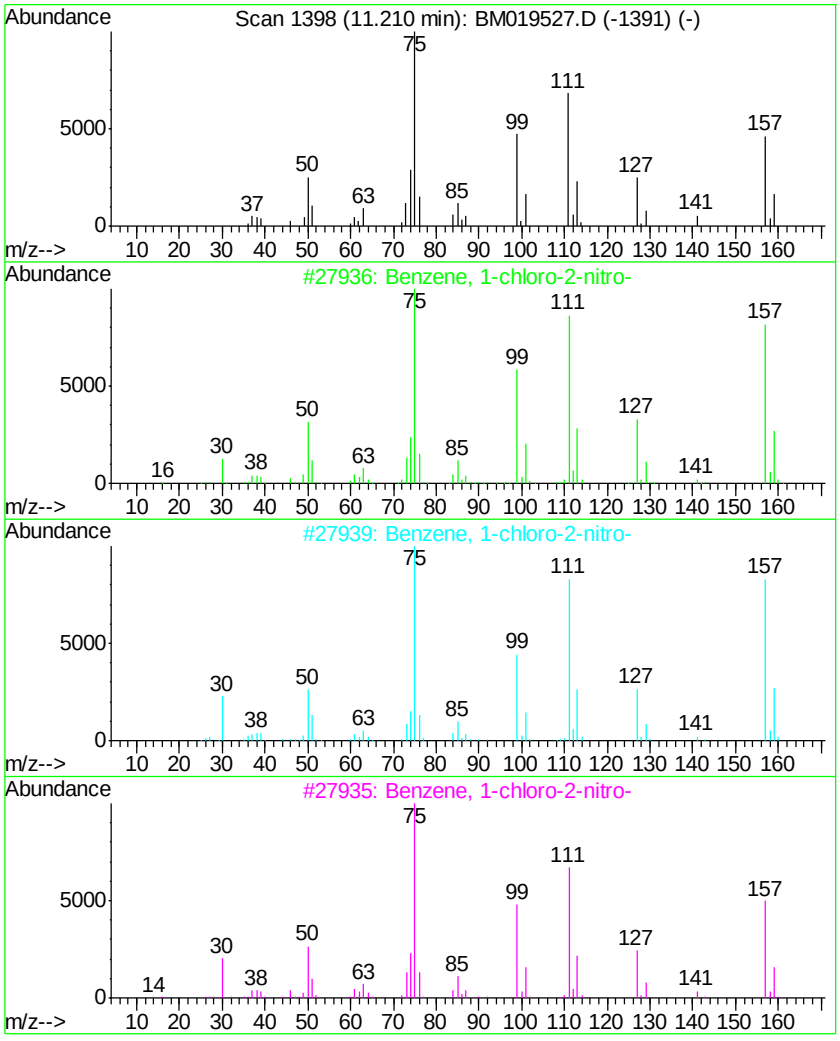
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

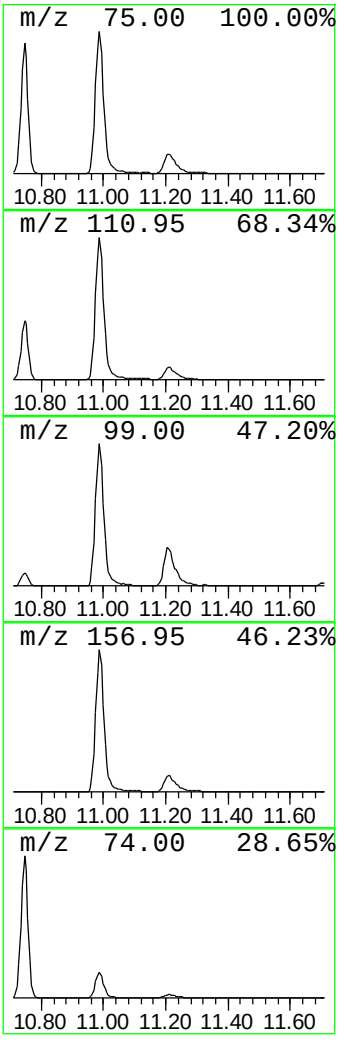
****

Peak Number 9 Benzene, 1-chloro-2-nitro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	6.25 ng/ul	264453	Naphthalene-d8	10.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	98
2	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	96
3	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	96
4	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	95
5	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
Data File : BM019527.D
Acq On : 28 Mar 2019 04:44
Operator : JU/SJ
Sample : K2069-12DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09D9DL

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

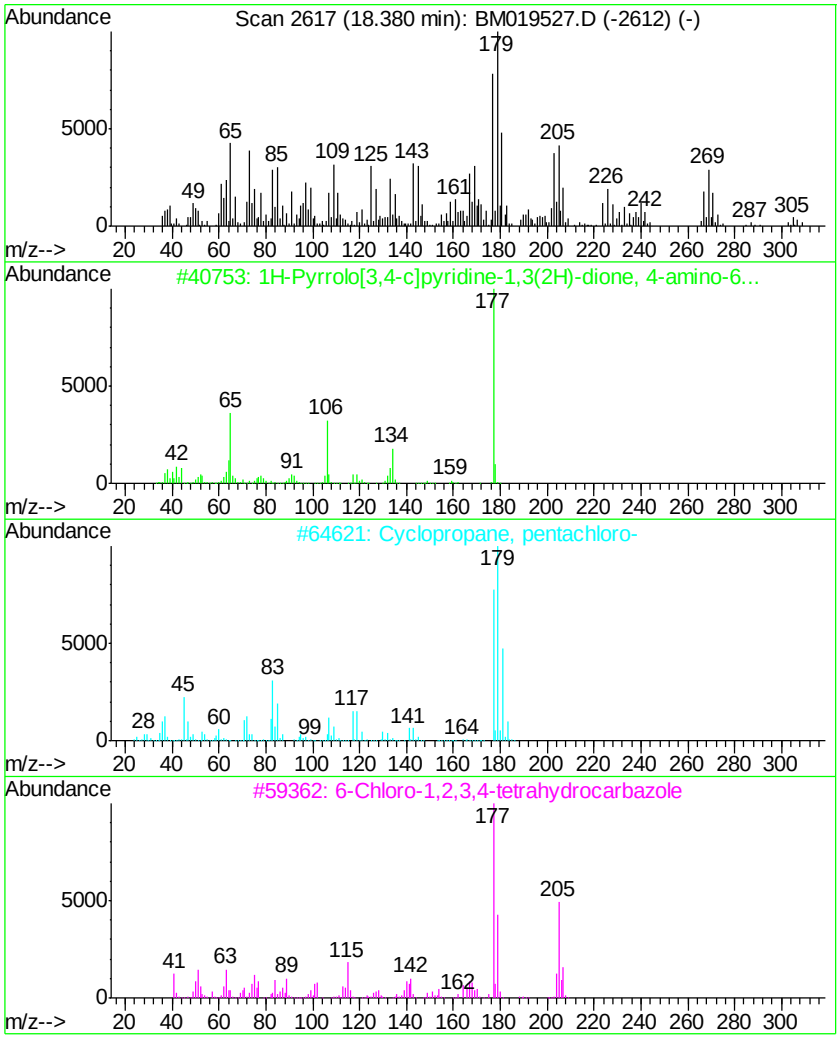
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

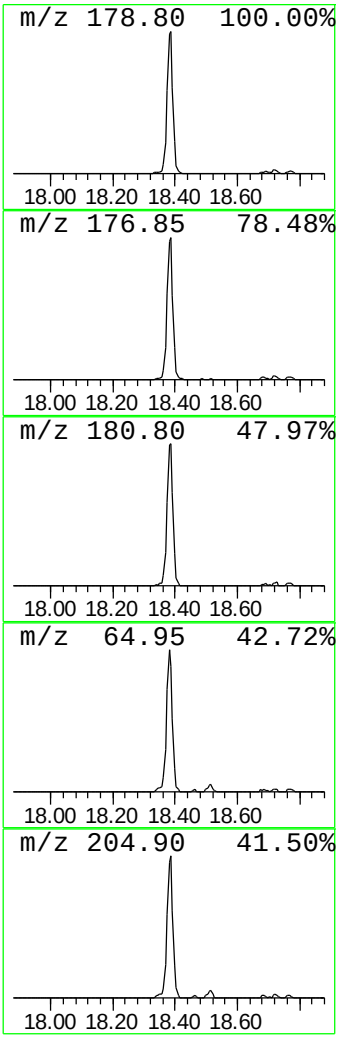
****

Peak Number 10 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	22.94 ng/ul	1491660	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrolo[3,4-c]pyridine-1,3(2H...	177	C8H7N3O2	090004-20-9	35
2	Cyclopropane, pentachloro-	212	C3HCl5	006262-51-7	27
3	6-Chloro-1,2,3,4-tetrahydrocarba...	205	C12H12ClN	036684-65-8	25
4	2-Amino-4,6-dichlorophenol	177	C6H5Cl2NO	000527-62-8	10
5	Quinoline, 2-chloro-4-methyl-	177	C10H8ClN	000634-47-9	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032719\
Data File : BM019527.D
Acq On : 28 Mar 2019 04:44
Operator : JU/SJ
Sample : K2069-12DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09D9DL

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	26.1	ng/ul	131219000	1	7.59	100518000	20.0
Benzene, 1,3-dich...	7.47	2.2	ng/ul	11230000	1	7.59	100518000	20.0
Benzene, 1,2-dich...	7.65	20.0	ng/ul	100518000	1	7.59	100518000	20.0
Benzene, 1,4-dich...	7.97	23.1	ng/ul	116292000	1	7.59	100518000	20.0
Benzene, 1-bromo-...	9.07	3.9	ng/ul	165471	2	10.37	846434	20.0
Benzene, 1,3,5-tr...	10.24	596.8	ng/ul	25255700	2	10.37	846434	20.0
Benzene, 1,2,4-tr...	10.75	153.2	ng/ul	6482250	2	10.37	846434	20.0
Benzene, 1-chloro...	10.99	33.9	ng/ul	1434570	2	10.37	846434	20.0
Benzene, 1-chloro...	11.21	6.3	ng/ul	264453	2	10.37	846434	20.0
unknown-01	18.38	22.9	ng/ul	1491660	4	17.00	1300530	20.0