LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\
Data File : BM011642.D
Acq On : 20 Sep 2017 17:58
Operator : SJ/JU
Sample : I5271-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4DL

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.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	5.287	330	340	342	rBV5	67573030	140579813	73.08%	19.586%
2	6.645	565	571	584	rBV	232100	414001	0.22%	0.058%
3	7.293	675	681	693	rBV	234908	394556	0.21%	0.055%
4	7.498	708	716	729	rBV	232449	411042	0.21%	0.057%
5	7.863	768	778	790	rBV	37238602	70355185	36.57%	9.802%
6	8.028	790	806	807	rBV5	66274452	147700573	76.78%	20.578%
7	8.363	848	863	864	rBV5	67189458	192366613	100.00%	26.801%
8	8.663	908	914	924	rBV	158971	293209	0.15%	0.041%
9	9.128	986	993	996	rBV	303031	529289	0.28%	0.074%
10	9.169	996	1000	1017	rVB	1272574	2160450	1.12%	0.301%
11	9.463	1044	1050	1063	rBV	429042	782154	0.41%	0.109%
12	9.781	1099	1104	1111	rVB	252226	430574	0.22%	0.060%
13	9.851	1111	1116	1119	rBV2	199875	364436	0.19%	0.051%
14	10.386	1200	1207	1221	rBV	312758	563226	0.29%	0.078%
15	10.645	1240	1251	1266	rBV	46815226	87298724	45.38%	12.163%
16	10.775	1266	1273	1289	rVB	2048592	3312183	1.72%	0.461%
17	11.163	1329	1339	1350	rBV	19312898	33391220	17.36%	4.652%
18	11.369	1367	1374	1387	rBV	801079	1397054	0.73%	0.195%
19	11.586	1404	1411	1420	rBV2	168006	341691	0.18%	0.048%
20	12.063	1483	1492	1502	rVB4	94891	215773	0.11%	0.030%
21	12.739	1600	1607	1611	rBV	257574	514815	0.27%	0.072%
22	12.786	1611	1615	1626	rVB	579779	974874	0.51%	0.136%
23	13.392	1711	1718	1732	rBV	2298847	3574641	1.86%	0.498%
24	13.992	1812	1820	1828	rBV	864806	1404666	0.73%	0.196%
25	14.286	1863	1870	1882	rBV	703745	1063256	0.55%	0.148%
26	14.592	1915	1922	1939	rBV2	2749644	4262054	2.22%	0.594%
27	15.580	2084	2090	2098	rBV	908465	1372027	0.71%	0.191%
28	15.692	2104	2109	2124	rVB	209424	349196	0.18%	0.049%
29	17.333	2381	2388	2399	rBV2	3516658	5017553	2.61%	0.699%
30	17.433	2399	2405	2420	rVB	1018212	1501263	0.78%	0.209%
31	19.715	2787	2793	2805	rBV	1274666	1780545	0.93%	0.248%
32	21.497	3091	3096	3108	rBV	4369917	5548926	2.88%	0.773%
33	23.715	3467	3473	3482	rVB3	935326	1877541	0.98%	0.262%
34	23.868	3492	3499	3510	rVB	2431006	4726001	2.46%	0.658%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5271-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4DL

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Title : SVOA CALIBRATION

35	24.403	3586	3590	3598	rVB	242602	480437	0.25%	0.067%

Sum of corrected areas: 717749561

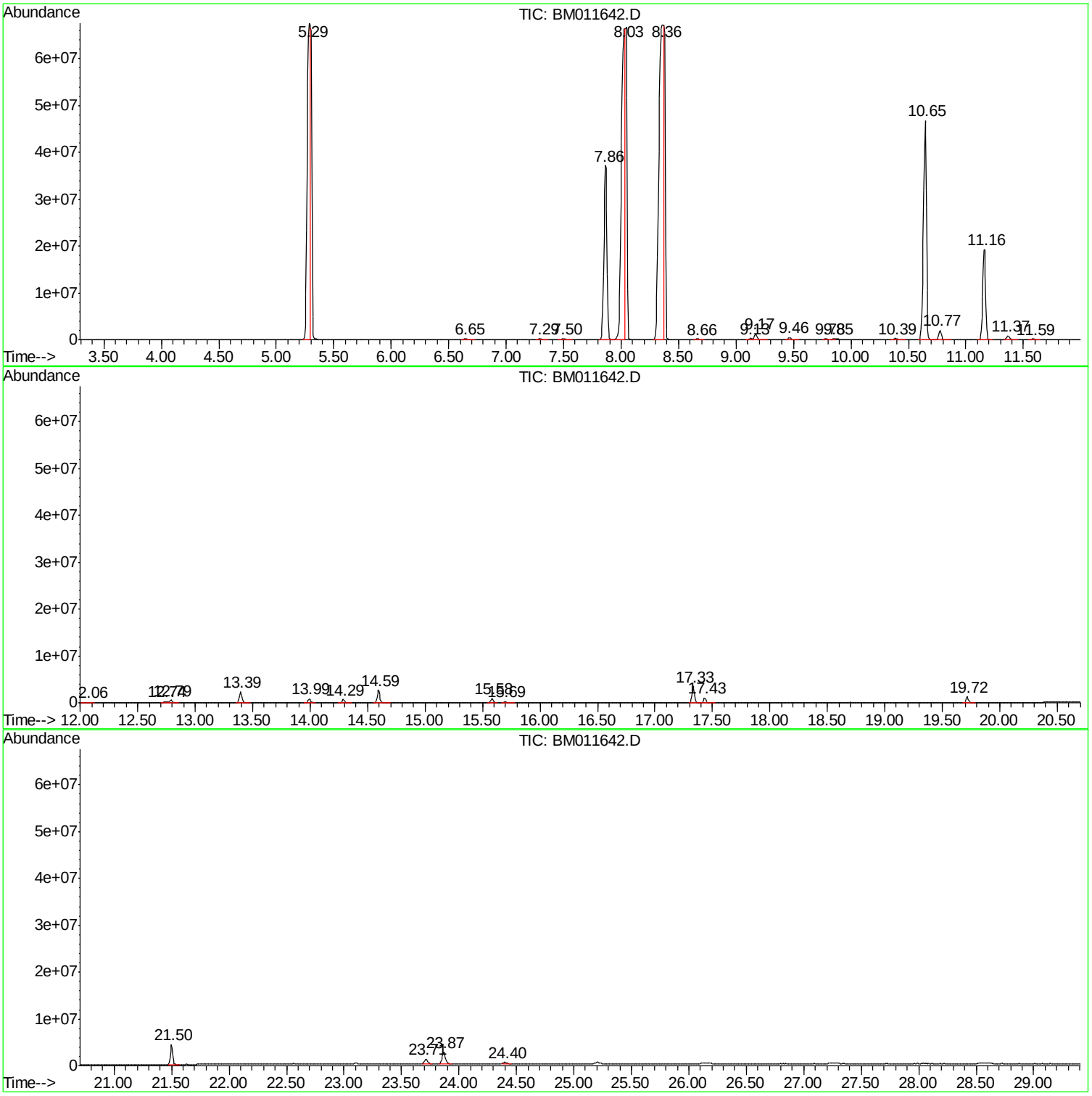
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\
Data File : BM011642.D
Acq On : 20 Sep 2017 17:58
Operator : SJ/JU
Sample : I5271-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\
Data File : BM011642.D
Acq On : 20 Sep 2017 17:58
Operator : SJ/JU
Sample : I5271-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

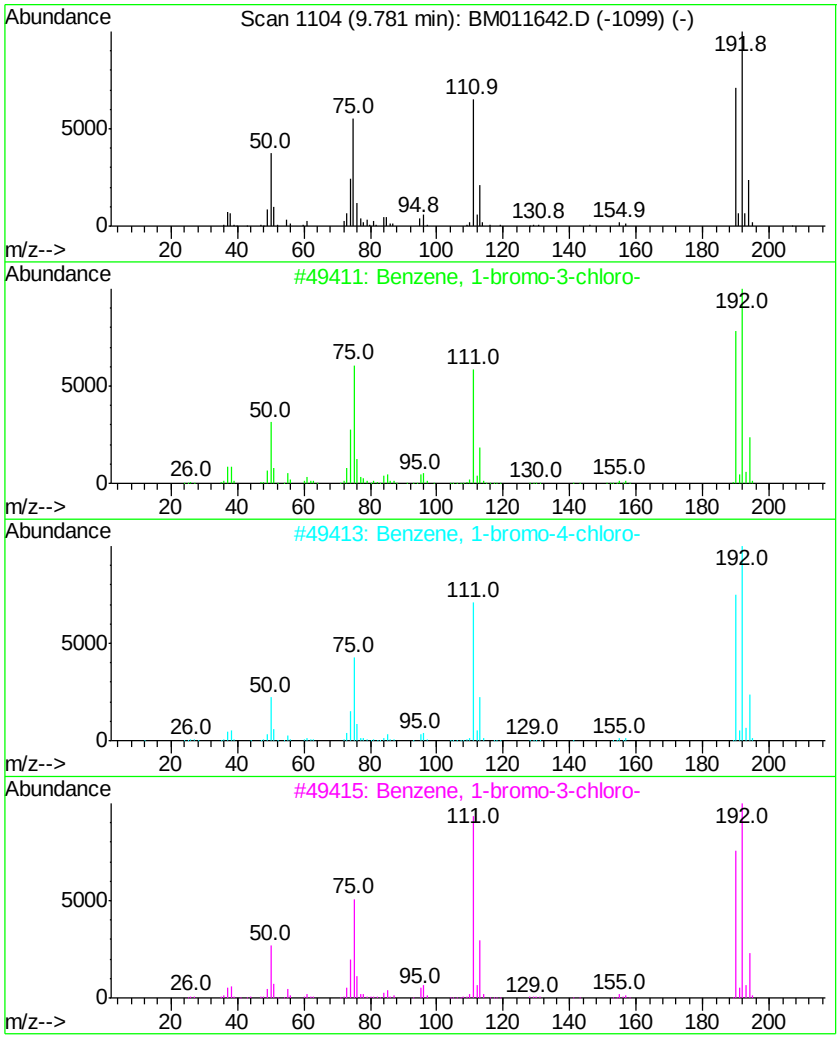
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

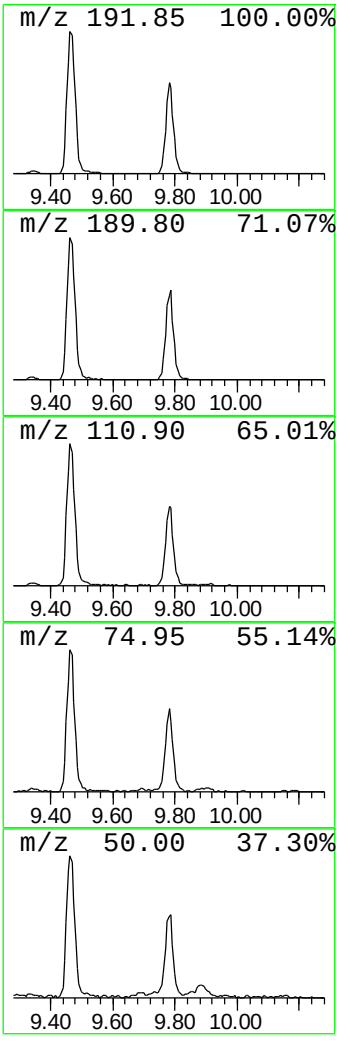
****

Peak Number 5 Benzene, 1-bromo-3-chloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	2.60 ng/ul	430574	Naphthalene-d8	10.77

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\
Data File : BM011642.D
Acq On : 20 Sep 2017 17:58
Operator : SJ/JU
Sample : I5271-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

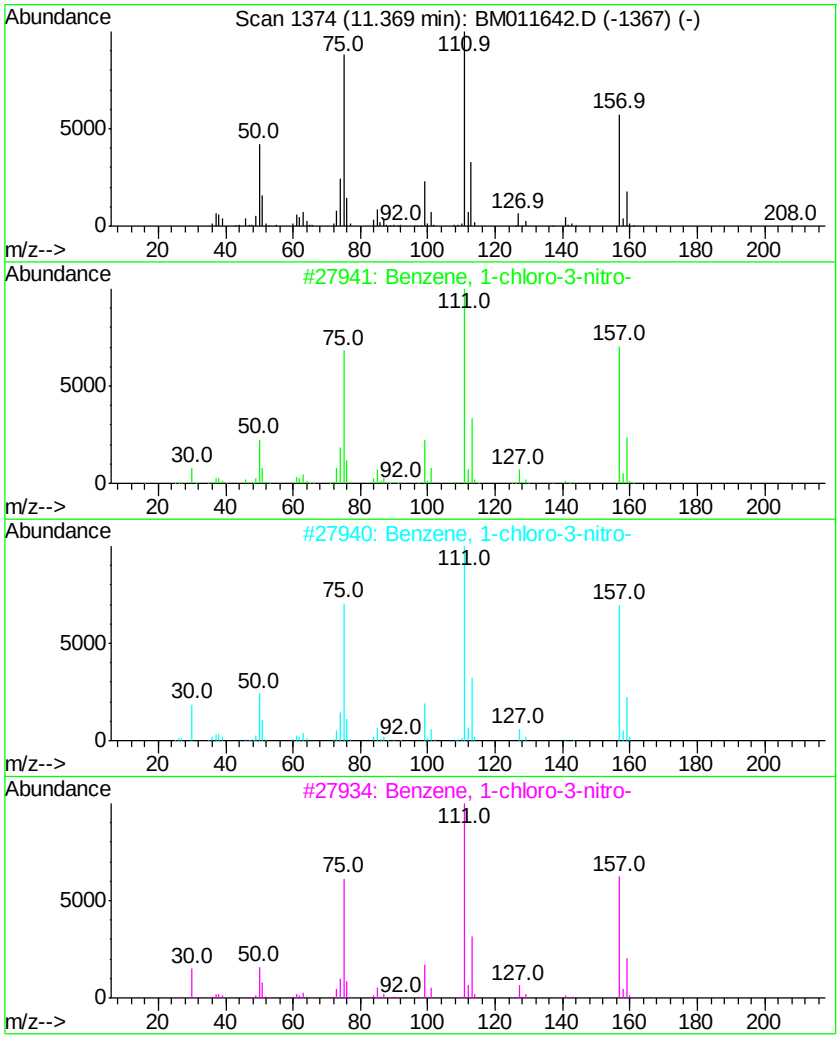
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

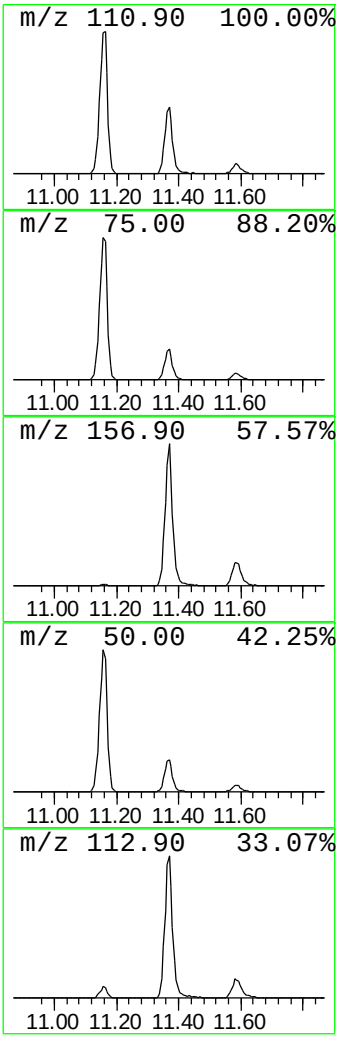
****

Peak Number 8 Benzene, 1-chloro-3-nitro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	8.44 ng/ul	1397050	Naphthalene-d8	10.77

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	91
3	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	90
4	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	64
5	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\
Data File : BM011642.D
Acq On : 20 Sep 2017 17:58
Operator : SJ/JU
Sample : I5271-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

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

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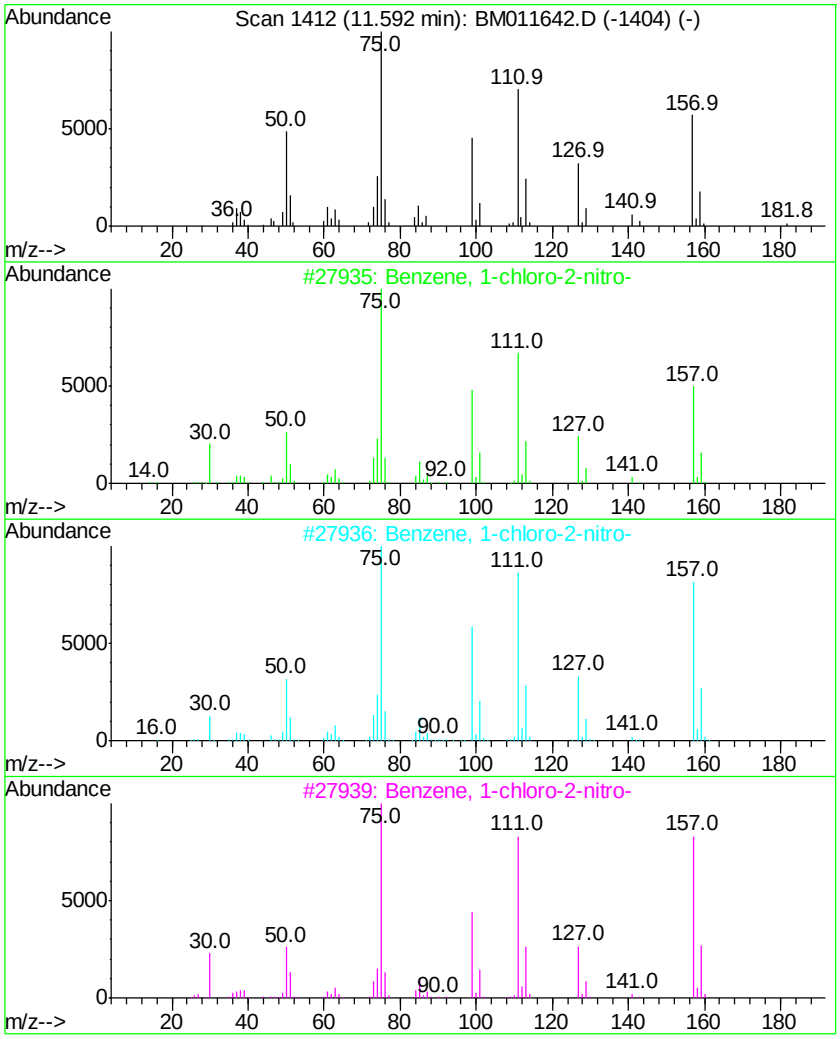
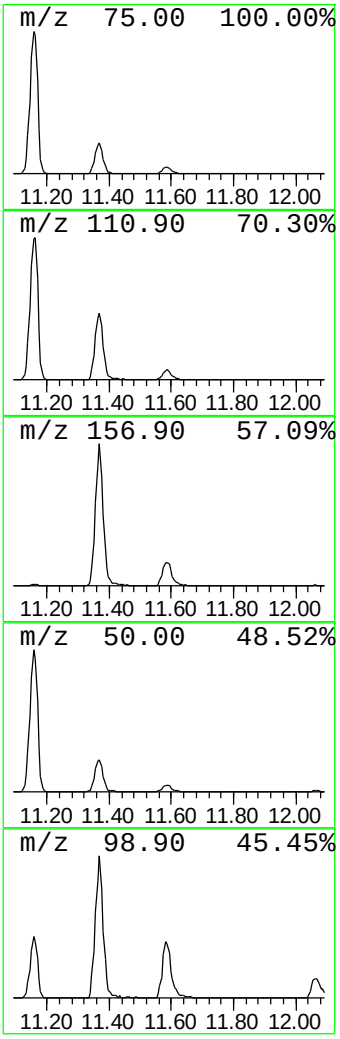
Peak Number 9 Benzene, 1-chloro-2-nitro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	2.06 ng/ul	341691	Naphthalene-d8	10.77

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	97
3	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	91
4	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	91
5	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\
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Acq On : 20 Sep 2017 17:58
Operator : SJ/JU
Sample : I5271-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

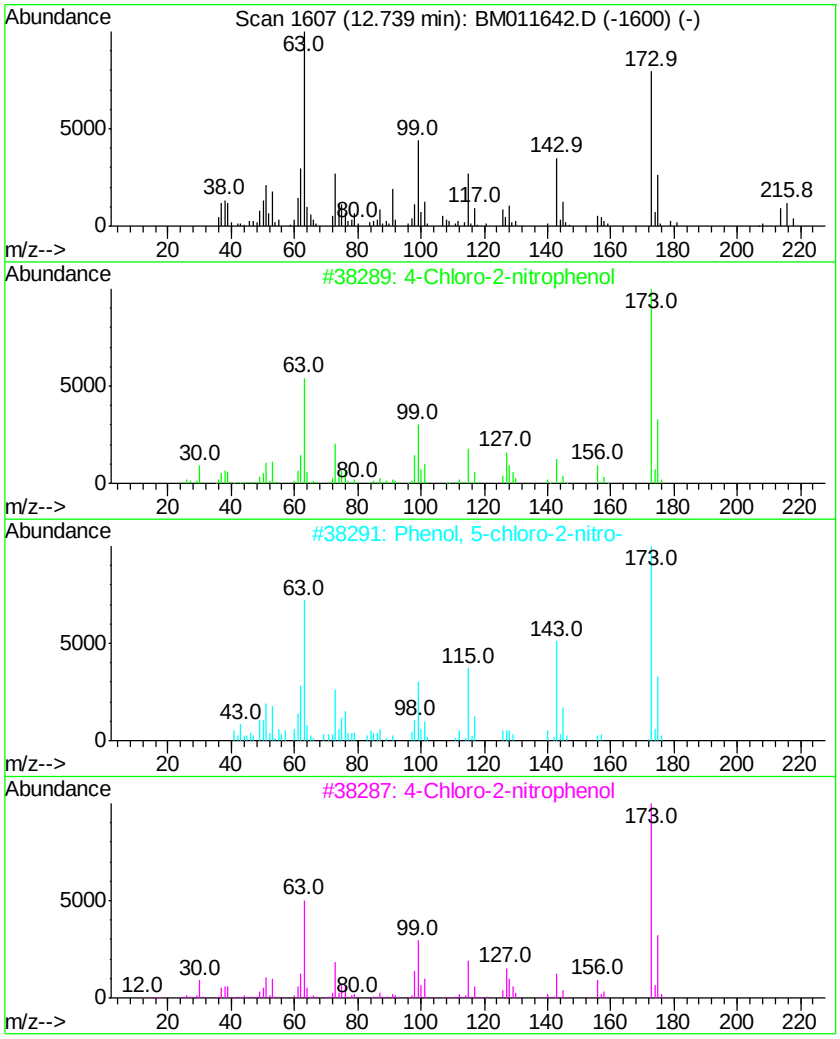
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

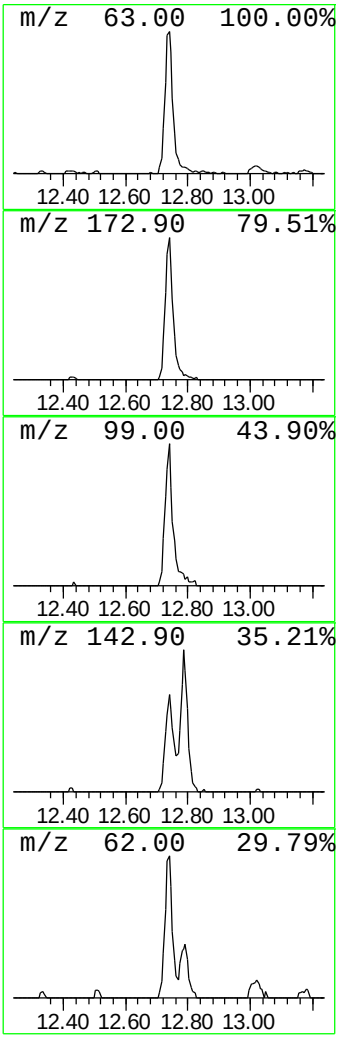
****

Peak Number 10 4-Chloro-2-nitrophenol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	2.42 ng/ul	514815	Acenaphthene-d10	14.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	87
2	Phenol, 5-chloro-2-nitro-	173	C6H4ClNO3	000611-07-4	83
3	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	74
4	Phenol, 2-chloro-4-nitro-	173	C6H4ClNO3	000619-08-9	72
5	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\
Data File : BM011642.D
Acq On : 20 Sep 2017 17:58
Operator : SJ/JU
Sample : I5271-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ4DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

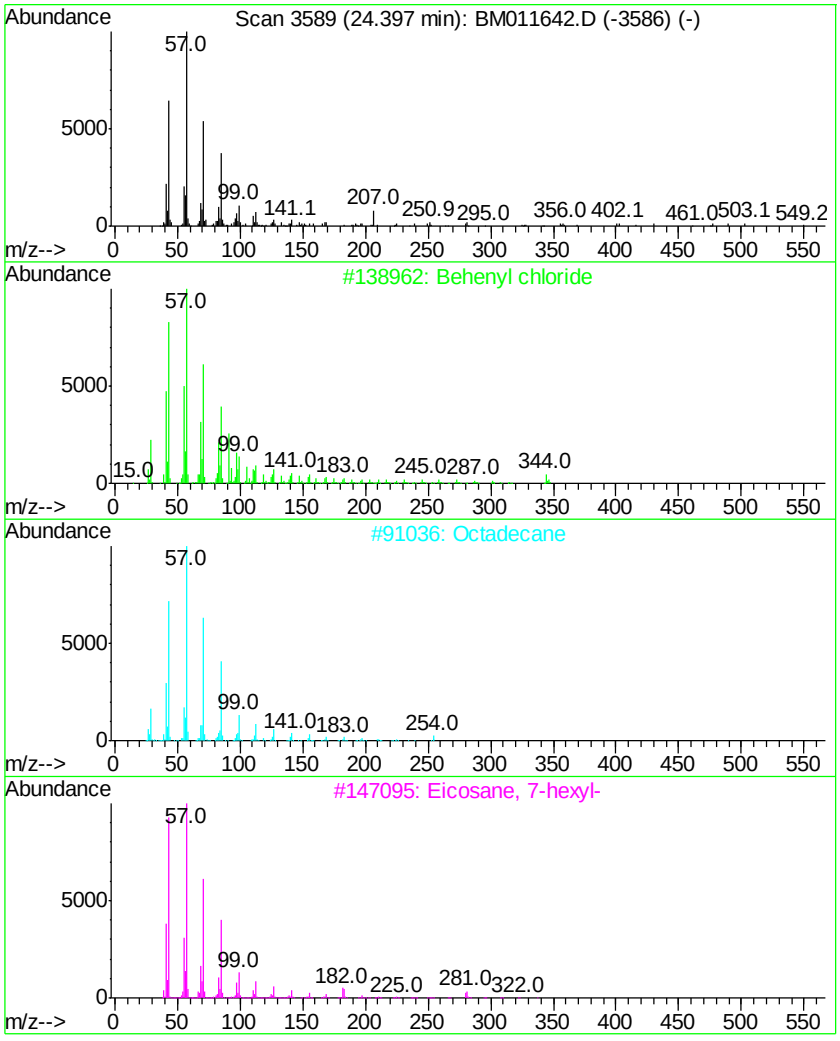
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

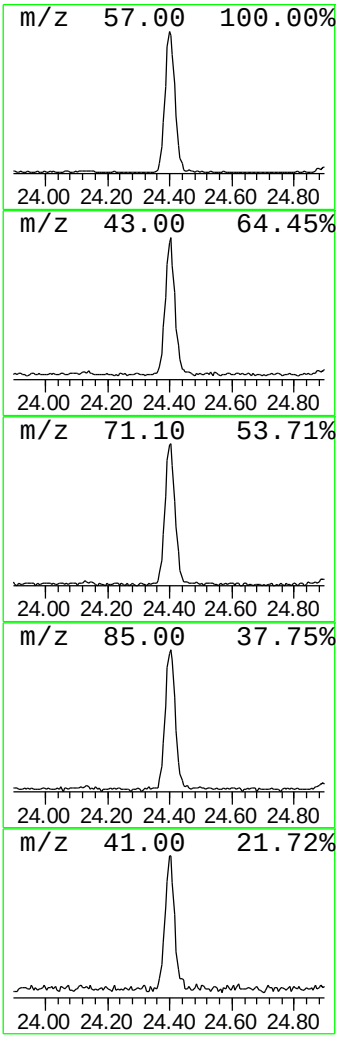
****

Peak Number 11 Behenyl chloride Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.40	2.03 ng/ul	480437	Perylene-d12	23.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenyl chloride	344	C22H45Cl	042217-03-8	81
2	Octadecane	254	C18H38	000593-45-3	74
3	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	74
4	Heneicosane	296	C21H44	000629-94-7	74
5	Docosane, 9-butyl-	366	C26H54	055282-14-9	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092017\
Data File : BM011642.D
Acq On : 20 Sep 2017 17:58
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Sample : I5271-18DL 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0AJ4DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.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, 1-bromo-...	9.78	2.6	ng/ul	430574	2	10.77	3312180	20.0
Benzene, 1-chloro...	11.37	8.4	ng/ul	1397050	2	10.77	3312180	20.0
Benzene, 1-chloro...	11.59	2.1	ng/ul	341691	2	10.77	3312180	20.0
4-Chloro-2-nitrop...	12.74	2.4	ng/ul	514815	3	14.59	4262050	20.0
Behenyl chloride	24.40	2.0	ng/ul	480437	6	23.87	4726000	20.0