LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

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-BM112719MA.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	4.852	323	334	345	rBV5	52499486	254604703	83.67%	19.387%
2	6.175	550	559	567	rBV	330387	539396	0.18%	0.041%
3	6.675	636	644	657	rBV	298142	570026	0.19%	0.043%
4	6.840	666	672	683	rBV	976488	1856301	0.61%	0.141%
5	7.022	696	703	714	rBV	1146101	2040916	0.67%	0.155%
6	7.387	754	765	776	rBV	37569173	87944304	28.90%	6.697%
7	7.552	777	793	799	rBV7	57865225	257608010	84.66%	19.616%
8	7.881	834	849	856	rBV6	58193561	304300367	100.00%	23.172%
9	8.204	898	904	914	rVB	886069	1450620	0.48%	0.110%
10	8.640	971	978	980	rBV	1409720	2263681	0.74%	0.172%
11	8.681	980	985	1000	rVB	6731325	11050475	3.63%	0.841%
12	8.963	1026	1033	1042	rBV	1060512	1685780	0.55%	0.128%
13	9.193	1067	1072	1076	rBV	207761	332896	0.11%	0.025%
14	9.275	1081	1086	1093	rVB	582430	1019624	0.34%	0.078%
15	9.351	1093	1099	1106	rBV	1179996	2069387	0.68%	0.158%
16	9.893	1184	1191	1201	rBV	1688226	2938602	0.97%	0.224%
17	10.157	1222	1236	1242	rBV3	61605919	189921453	62.41%	14.462%
18	10.269	1249	1255	1260	rVB	1664696	2470876	0.81%	0.188%
19	10.657	1310	1321	1335	rBV	42449691	78971854	25.95%	6.013%
20	10.863	1346	1356	1371	rVB	5588524	9187584	3.02%	0.700%
21	11.075	1384	1392	1402	rBV	1144884	2114866	0.69%	0.161%
22	11.563	1456	1475	1485	rBV3	187309	503094	0.17%	0.038%
23	12.269	1587	1595	1597	rBV3	603422	1026491	0.34%	0.078%
24	12.310	1597	1602	1610	rVB	3123010	4953906	1.63%	0.377%
25	12.710	1664	1670	1679	rBV	185950	309503	0.10%	0.024%
26	12.928	1694	1707	1723	rBV	11902720	18225770	5.99%	1.388%
27	13.563	1804	1815	1820	rBV	3413360	4848815	1.59%	0.369%
28	13.610	1820	1823	1835	rVB2	348107	544240	0.18%	0.041%
29	13.828	1854	1860	1871	rVB	3821766	5620521	1.85%	0.428%
30	14.139	1906	1913	1919	rBV2	2331292	3434387	1.13%	0.262%
31	14.381	1949	1954	1963	rBV	179480	374594	0.12%	0.029%
32	14.469	1963	1969	1976	rVB	383462	575722	0.19%	0.044%
33	15.139	2077	2083	2096	rBV	4808712	6883784	2.26%	0.524%
34	15.286	2102	2108	2119	rBV	1433211	2098653	0.69%	0.160%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

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-BM112719MA.M
Title : SVOA CALIBRATION

35	16.892	2375	2381	2388	rBV	2834535	3965276	1.30%	0.302%
36	16.992	2392	2398	2410	rBV2	5282677	7576751	2.49%	0.577%
37	17.816	2533	2538	2543	rBV	334156	486885	0.16%	0.037%
38	18.274	2610	2616	2625	rVB	3619680	5003442	1.64%	0.381%
39	19.298	2784	2790	2802	rBV	6625093	9324655	3.06%	0.710%
40	20.845	3049	3053	3060	rBV	652867	914846	0.30%	0.070%
41	21.104	3092	3097	3103	rBV	3835457	4884205	1.61%	0.372%
42	22.151	3272	3275	3281	rVB2	316680	380409	0.13%	0.029%
43	22.633	3354	3357	3362	rVB	370307	467985	0.15%	0.036%
44	23.115	3432	3439	3445	rBV	6161328	10594190	3.48%	0.807%
45	23.245	3455	3461	3469	rVB	2971466	5308673	1.74%	0.404%

Sum of corrected areas: 1313248518

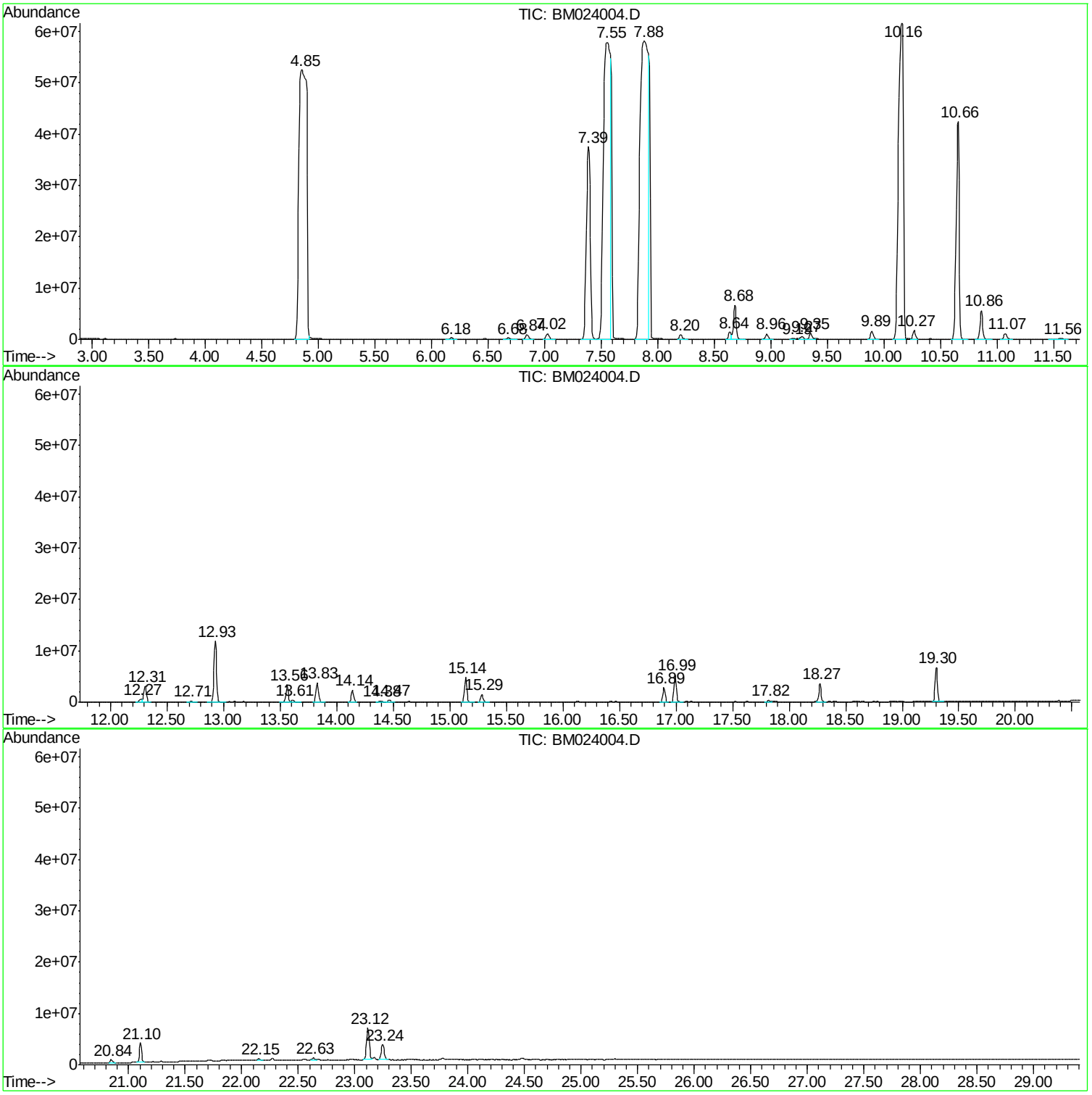
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.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 M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

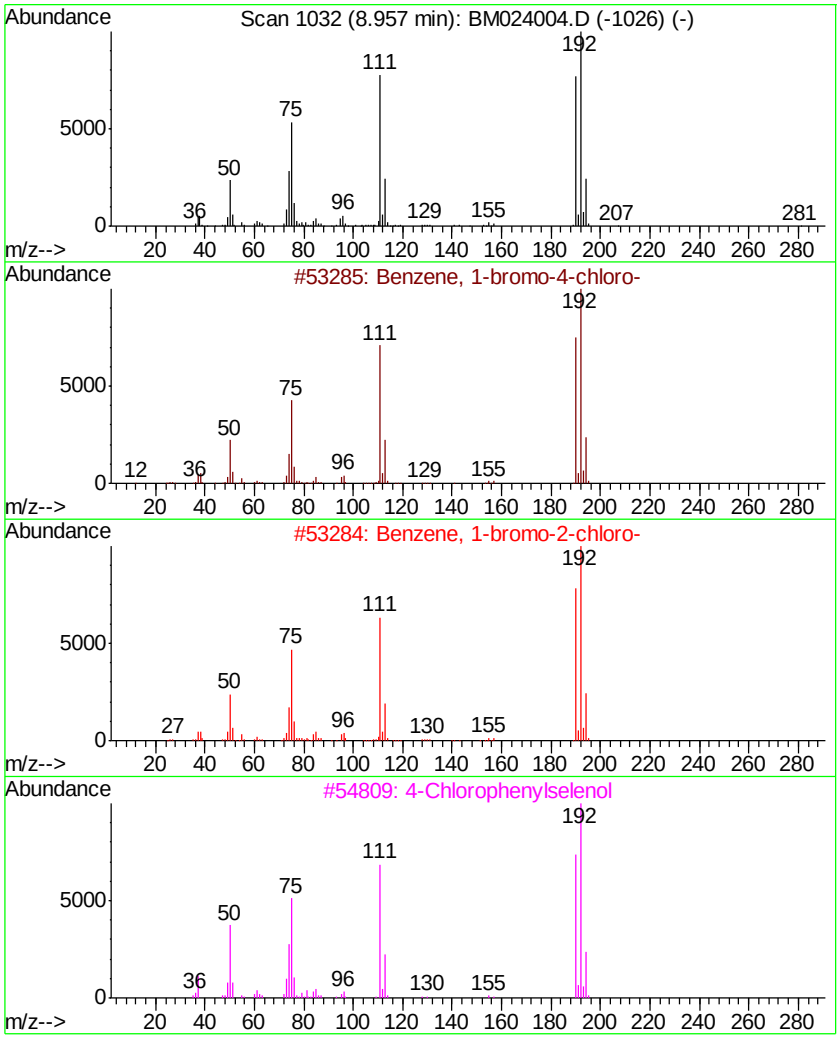
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

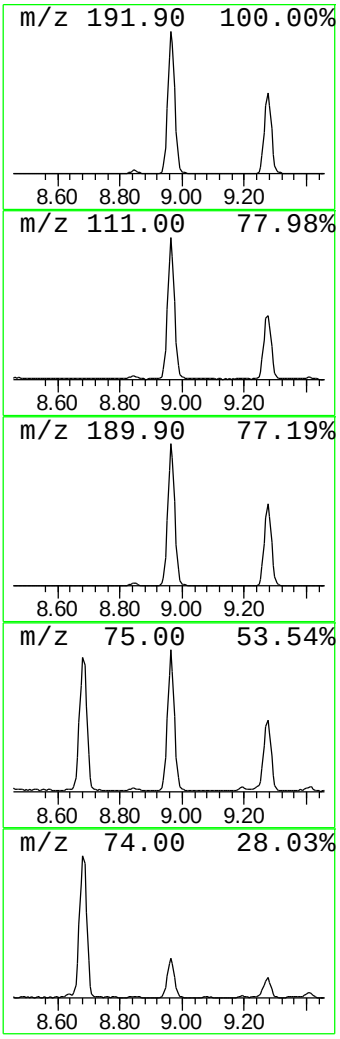
****

Peak Number 4 Benzene, 1-bromo-4-chloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	13.65 ng/ul	1685780	Naphthalene-d8	10.27

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	4-Chlorophenylselenol	192	C6H5ClSe	016645-10-6	97
4	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97
5	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

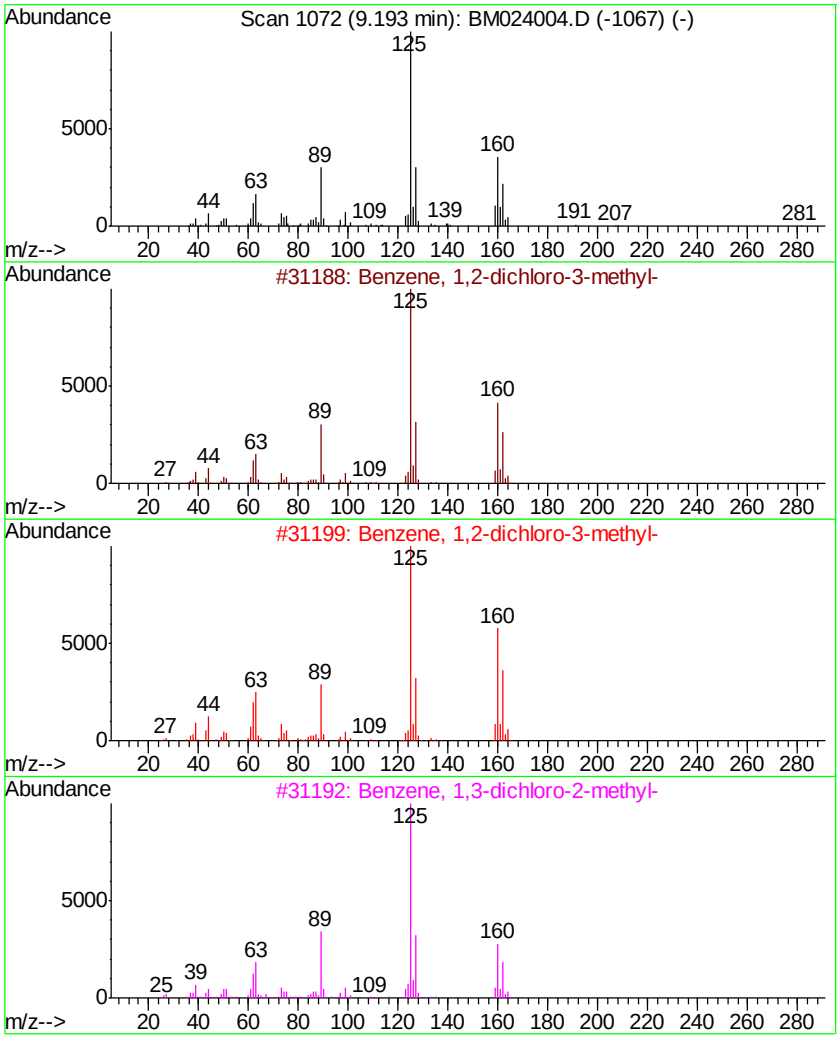
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

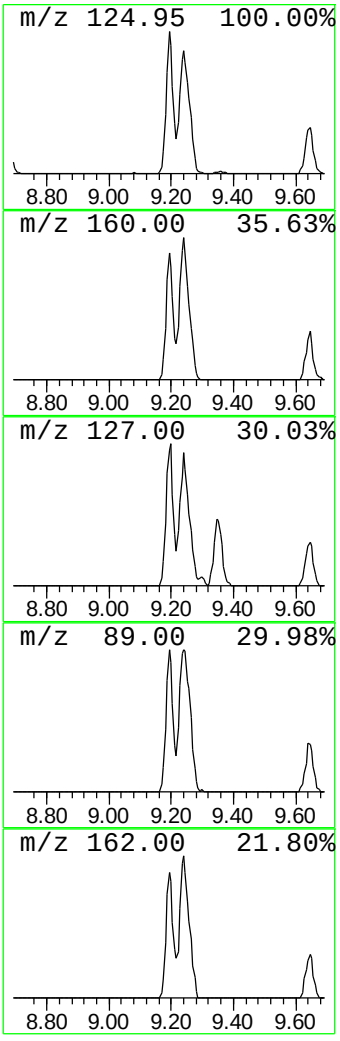
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,2-dichloro-3-met... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	2.69 ng/ul	332896	Naphthalene-d8	10.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	98
2	Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	97
3	Benzene, 1,3-dichloro-2-methyl-	160	C7H6Cl2	000118-69-4	97
4	Benzene, 1,3-dichloro-2-methyl-	160	C7H6Cl2	000118-69-4	97
5	Benzene, 1,2-dichloro-4-methyl-	160	C7H6Cl2	000095-75-0	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

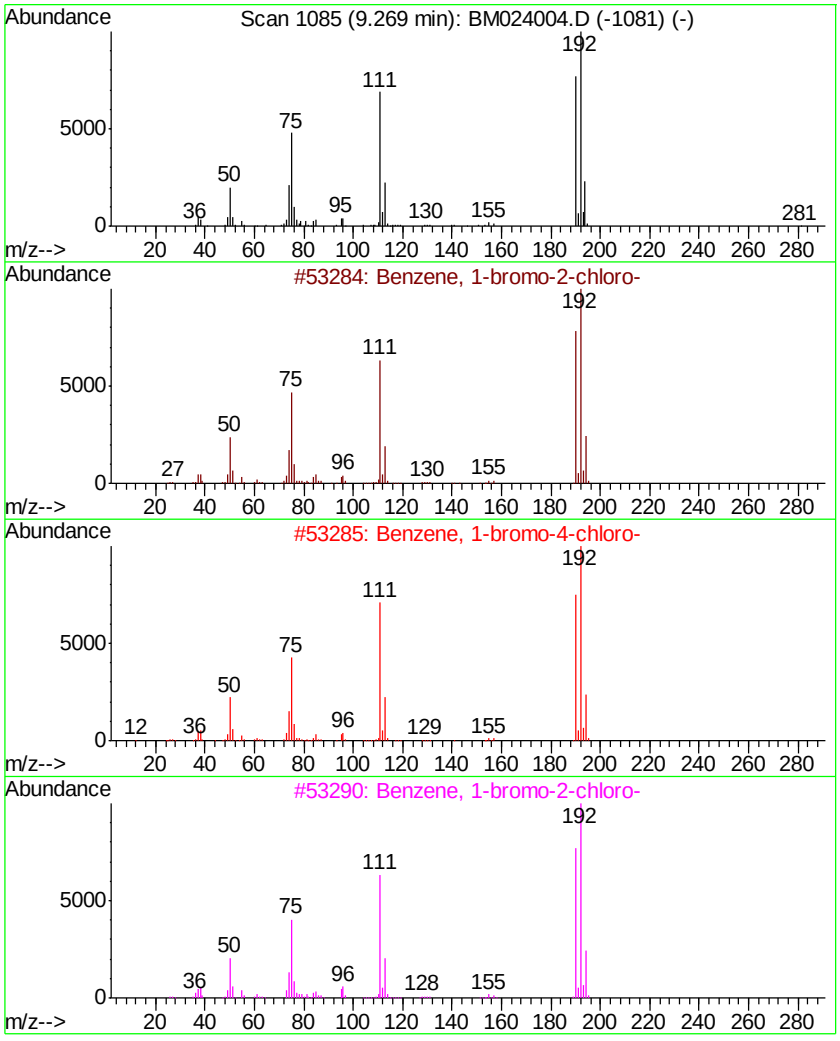
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

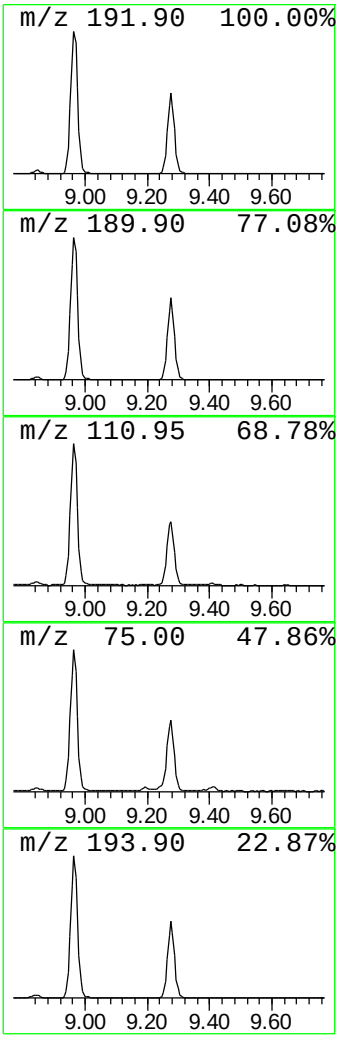
****

Peak Number 6 Benzene, 1-bromo-2-chloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	8.25 ng/ul	1019620	Naphthalene-d8	10.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	98
2	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	98
3	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	98
4	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97
5	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

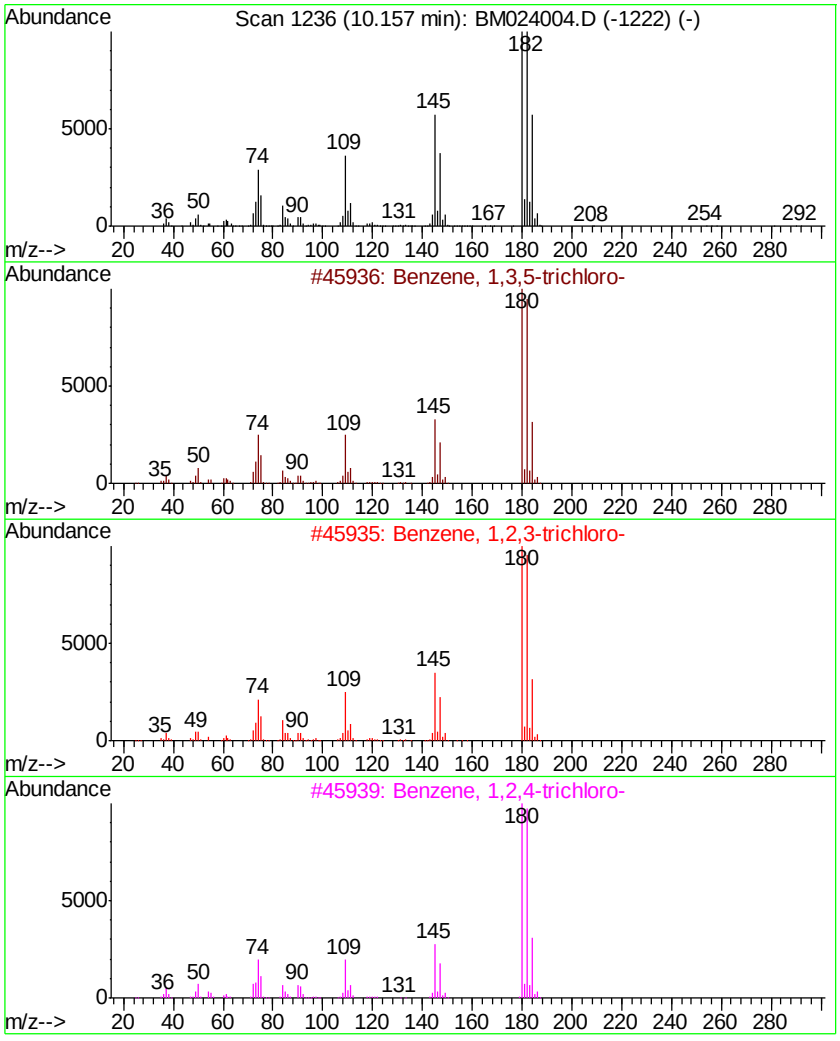
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

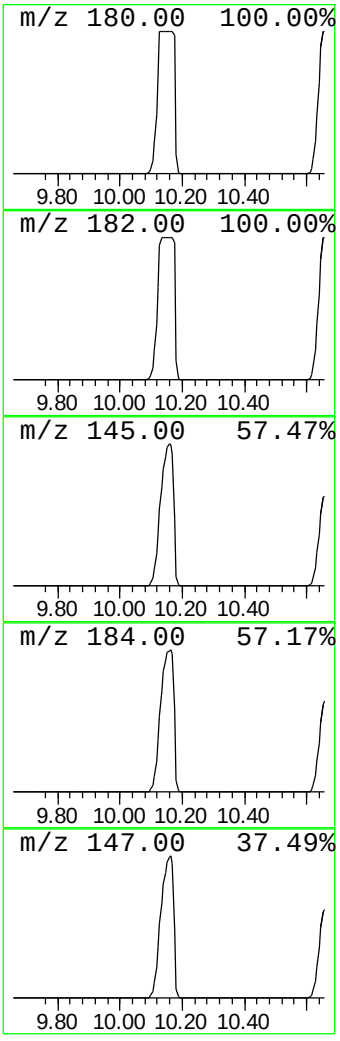
****

Peak Number 7 Benzene, 1,3,5-trichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	1537.28 ng/ul	189921000	Naphthalene-d8	10.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	95
2	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	93
3	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	93
4	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	93
5	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

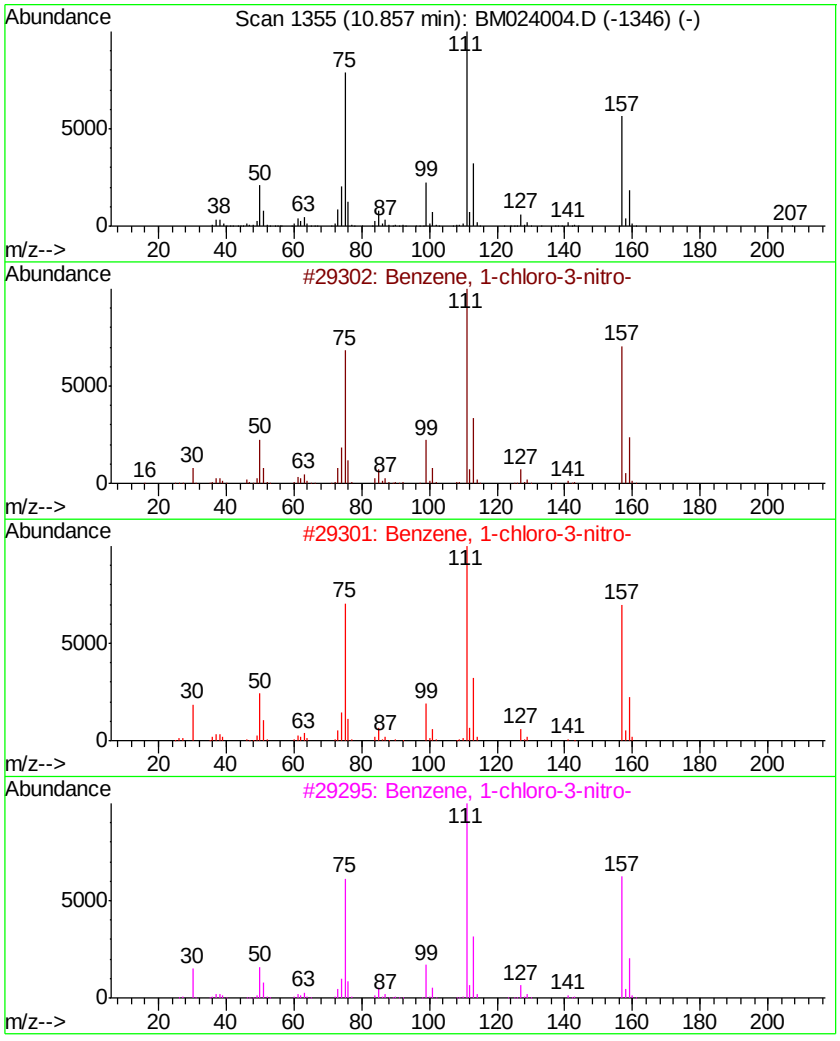
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

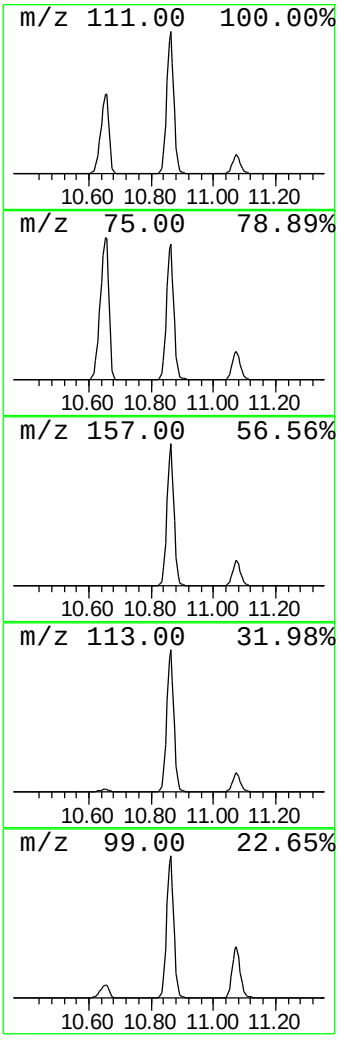
****

Peak Number 9 Benzene, 1-chloro-3-nitro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	74.37 ng/ul	9187580	Naphthalene-d8	10.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	98
2	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	97
3	Benzene, 1-chloro-3-nitro-	157	C6H4ClNO2	000121-73-3	96
4	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	94
5	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

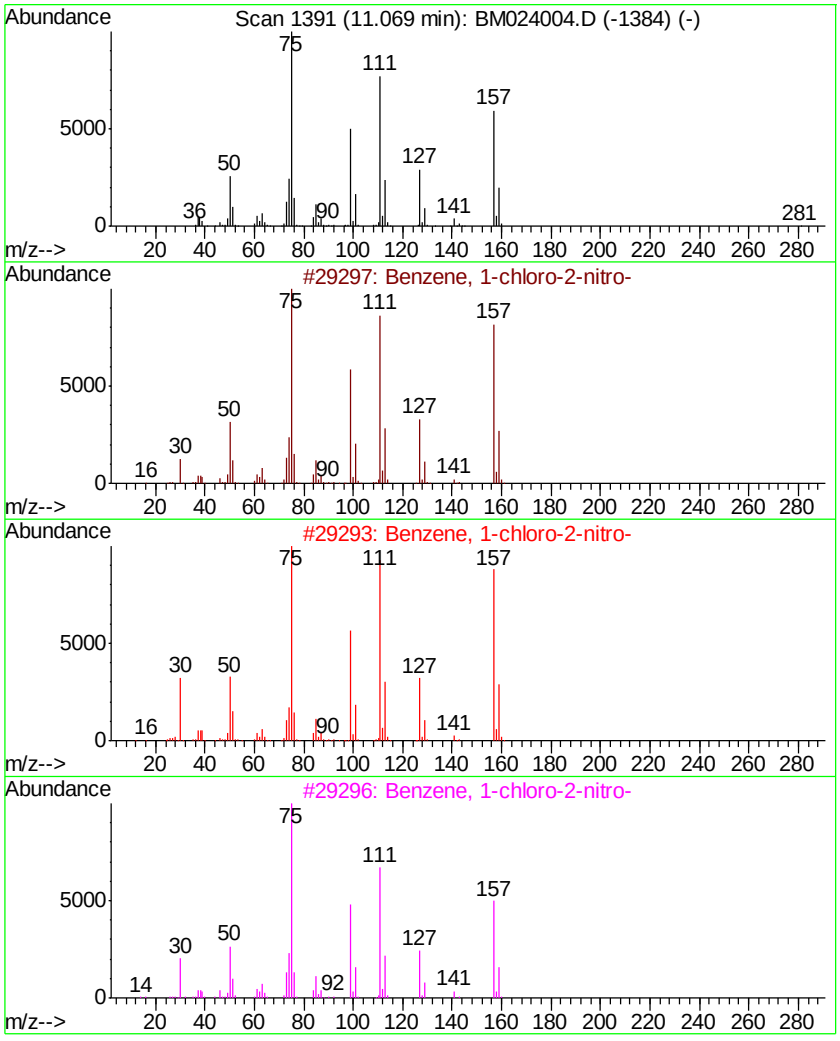
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

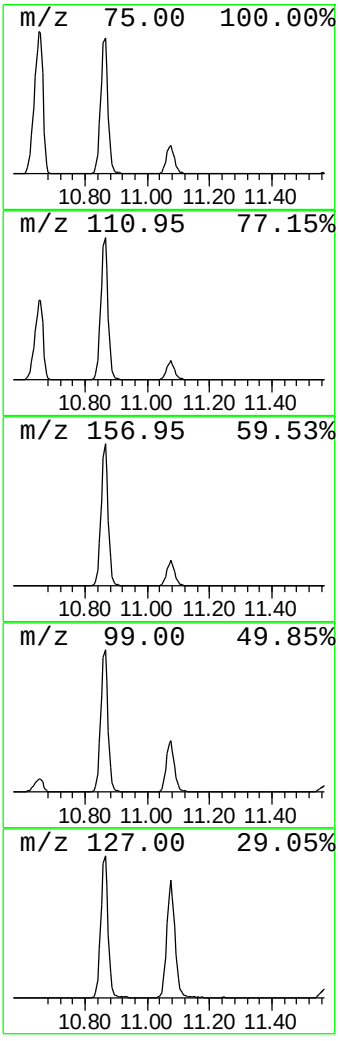
****

Peak Number 10 Benzene, 1-chloro-4-nitro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	17.12 ng/ul	2114870	Naphthalene-d8	10.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	99
2	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	98
3	Benzene, 1-chloro-2-nitro-	157	C6H4ClNO2	000088-73-3	97
4	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	97
5	Benzene, 1-chloro-4-nitro-	157	C6H4ClNO2	000100-00-5	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

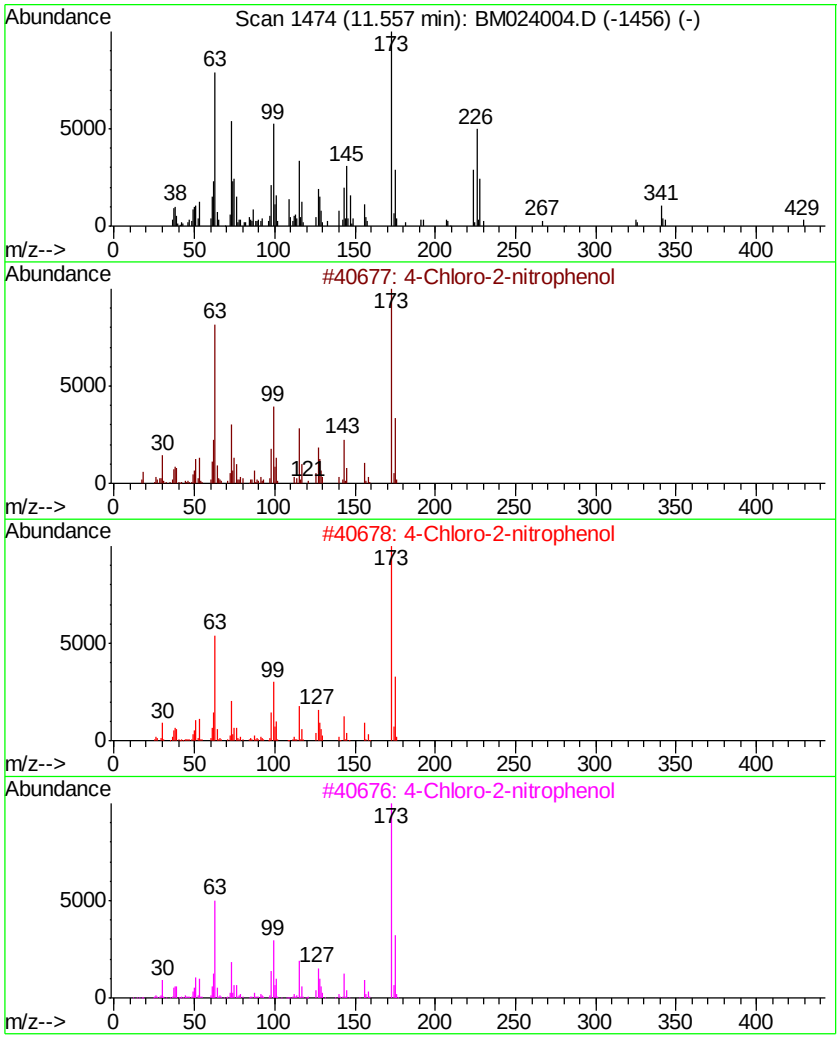
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

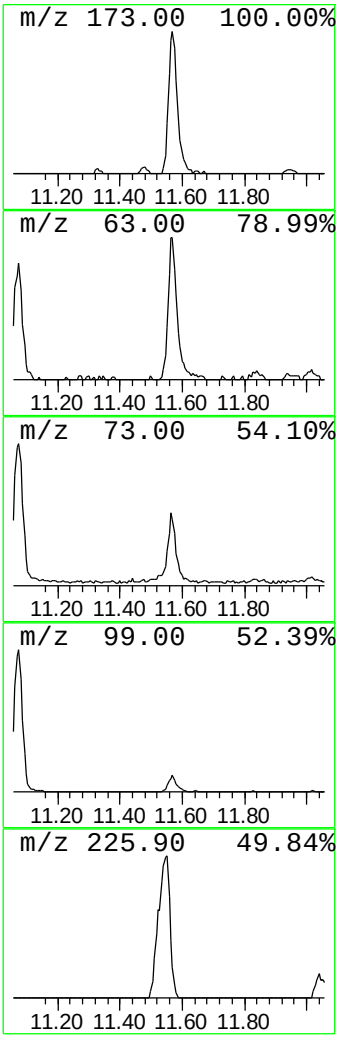
****

Peak Number 11 4-Chloro-2-nitrophenol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	4.07 ng/ul	503094	Naphthalene-d8	10.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	99
2	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	95
3	4-Chloro-2-nitrophenol	173	C6H4ClNO3	000089-64-5	94
4	Phenol, 5-chloro-2-nitro-	173	C6H4ClNO3	000611-07-4	87
5	3-Chloro-4-nitrophenol	173	C6H4ClNO3	000491-11-2	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

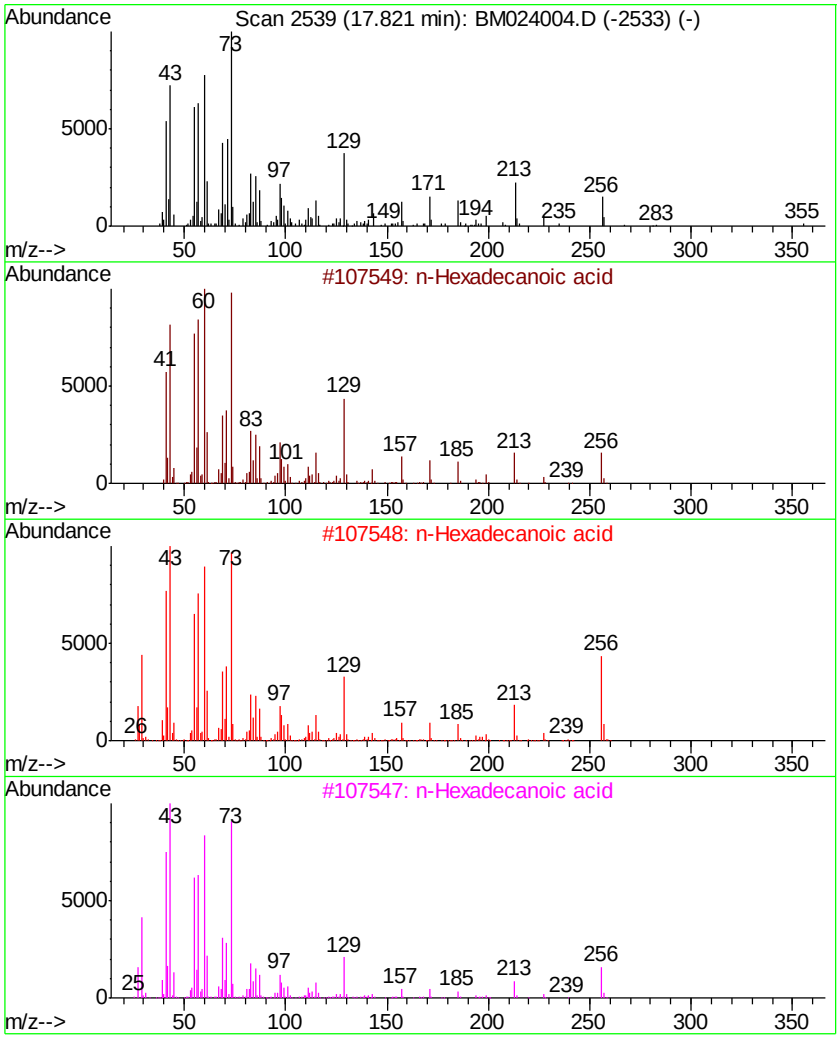
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

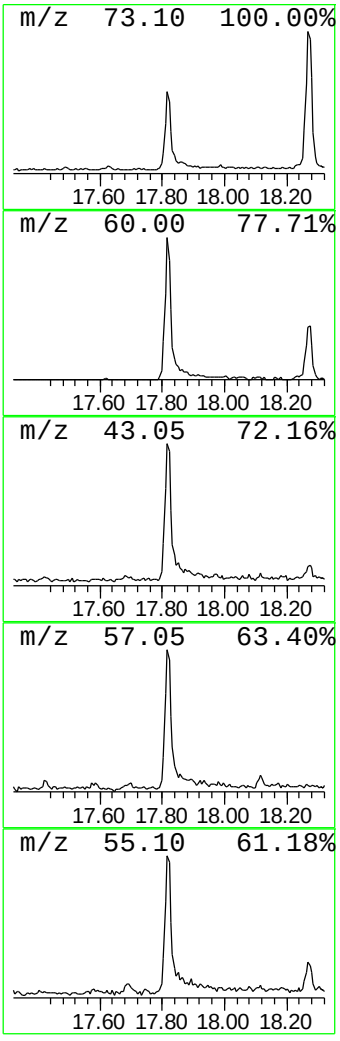
****

Peak Number 12 n-Hexadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	2.46 ng/ul	486885	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	70





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Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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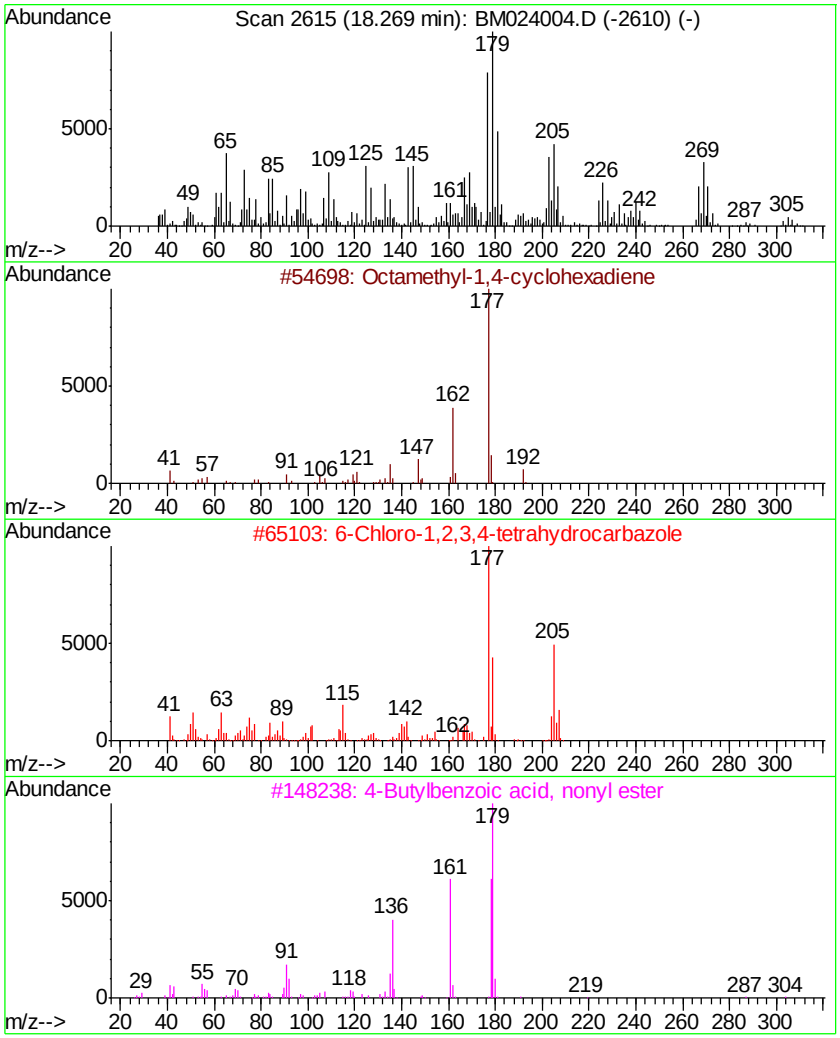
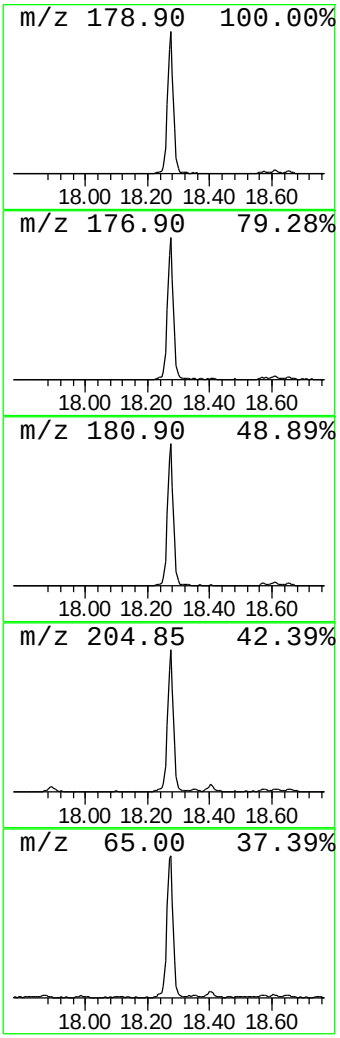
Peak Number 13 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	25.24 ng/ul	5003440	Phenanthrene-d10	16.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octamethyl-1,4-cyclohexadiene	192	C14H24	172684-93-4	44
2	6-Chloro-1,2,3,4-tetrahydrocarba...	205	C12H12ClN	036684-65-8	42
3	4-Butylbenzoic acid, nonyl ester	304	C20H32O2	1000292-20-6	25
4	N-(4,6-Dichloro-1,3,5-triazin-2-...	220	C7H10Cl2N4	1000326-88-2	22
5	Benzene, 1-fluoro-2-(trichlorome...	212	C7H4Cl3F	000488-98-2	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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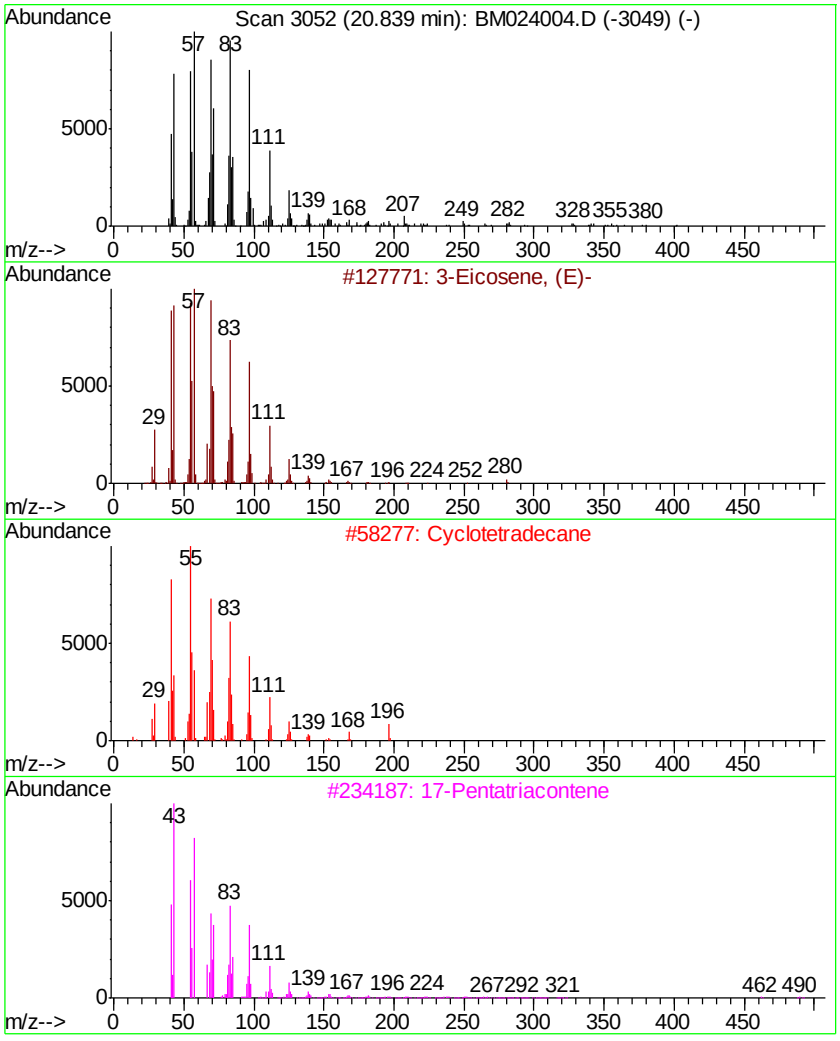
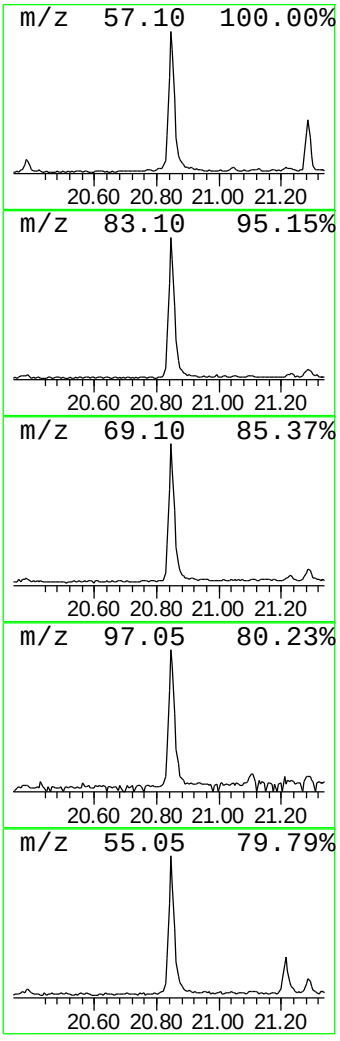
Peak Number 14 (DEL) Alkane: Cyclic20.84 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	3.75 ng/ul	914846	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
2	Cyclotetradecane	196	C14H28	000295-17-0	94
3	17-Pentatriacontene	491	C35H70	006971-40-0	91
4	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
5	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120419\
Data File : BM024004.D
Acq On : 04 Dec 2019 16:37
Operator : JU
Sample : K4649-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A5169

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.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
Benzene, 1-bromo-...	8.96	13.7	ng/ul	1685780	2	10.27	2470880	20.0
Benzene, 1,2-dich...	9.19	2.7	ng/ul	332896	2	10.27	2470880	20.0
Benzene, 1-bromo-...	9.27	8.3	ng/ul	1019620	2	10.27	2470880	20.0
Benzene, 1,3,5-tr...	10.16	1537.3	ng/ul	189921000	2	10.27	2470880	20.0
Benzene, 1-chloro...	10.86	74.4	ng/ul	9187580	2	10.27	2470880	20.0
Benzene, 1-chloro...	11.07	17.1	ng/ul	2114870	2	10.27	2470880	20.0
4-Chloro-2-nitrop...	11.56	4.1	ng/ul	503094	2	10.27	2470880	20.0
n-Hexadecanoic acid	17.82	2.5	ng/ul	486885	4	16.89	3965280	20.0
unknown-01	18.27	25.2	ng/ul	5003440	4	16.89	3965280	20.0
(DEL) Alkane: Cyc...	20.84	3.8	ng/ul	914846	5	21.10	4884210	20.0