LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032619\
Data File : BM019489.D
Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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	5.110	326	361	416	rBV7	55241029	578011157	100.00%	19.506%
2	6.298	558	563	602	rBV	151248	692191	0.12%	0.023%
3	6.692	624	630	644	rBV	451465	1319719	0.23%	0.045%
4	7.510	758	769	777	rBV	22966580	93852622	16.24%	3.167%
5	7.710	788	803	810	rBV4	30985940	189555722	32.79%	6.397%
6	8.386	917	918	920	rVB	48952373	17379606	3.01%	0.587%
7	8.410	920	922	935	rVB	576302	746302	0.13%	0.025%
8	8.857	990	998	1022	rBV	272779	1284075	0.22%	0.043%
9	9.163	1040	1050	1078	rBV	8052014	33326570	5.77%	1.125%
10	9.463	1078	1101	1154	rVB4	3729225	33255952	5.75%	1.122%
11	10.363	1230	1254	1255	rBV4	51531417	275042431	47.58%	9.282%
12	10.804	1326	1329	1333	rVB	2226944	2550515	0.44%	0.086%
13	11.033	1348	1368	1385	rBV6	51033660	522265673	90.36%	17.625%
14	11.592	1457	1463	1470	rVV	624060	1004432	0.17%	0.034%
15	11.763	1481	1492	1500	rBV	3859683	8753094	1.51%	0.295%
16	12.022	1529	1536	1547	rBV	2213730	4630952	0.80%	0.156%
17	12.122	1547	1553	1559	rVV	497156	1165415	0.20%	0.039%
18	12.192	1559	1565	1583	rVB2	2896597	7967721	1.38%	0.269%
19	12.545	1601	1625	1631	rBV4	48982715	325458082	56.31%	10.983%
20	12.604	1634	1635	1653	rVB	2293664	2020495	0.35%	0.068%
21	13.145	1709	1727	1753	rBV7	49372308	568718005	98.39%	19.193%
22	13.704	1812	1822	1827	rBV	1751325	2944274	0.51%	0.099%
23	13.986	1865	1870	1881	rVB	2190245	3287328	0.57%	0.111%
24	14.086	1881	1887	1896	rBV	2483986	5401357	0.93%	0.182%
25	14.251	1911	1915	1918	rVV2	813206	1242751	0.22%	0.042%
26	14.286	1918	1921	1928	rVV2	1206531	1979796	0.34%	0.067%
27	14.351	1928	1932	1938	rVV	451183	793057	0.14%	0.027%
28	14.433	1938	1946	1954	rVV2	968310	1690003	0.29%	0.057%
29	14.663	1967	1985	1989	rVV4	49993296	205414154	35.54%	6.932%
30	14.704	1989	1992	1998	rVV	1031100	1321710	0.23%	0.045%
31	15.274	2082	2089	2094	rVV	2672597	4188093	0.72%	0.141%
32	15.327	2094	2098	2106	rVB	864713	1285676	0.22%	0.043%
33	15.404	2106	2111	2117	rBV	729943	1062718	0.18%	0.036%
34	15.527	2121	2132	2136	rVB7	238435	688074	0.12%	0.023%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032619\
Data File : BM019489.D
Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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

35	15.962	2203	2206	2213	rVV	286227	611911	0.11%	0.021%
36	16.033	2213	2218	2230	rVB	2361673	3393388	0.59%	0.115%
37	16.315	2260	2266	2272	rVV	4710210	6488254	1.12%	0.219%
38	16.680	2323	2328	2335	rVB	422271	600291	0.10%	0.020%
39	16.839	2345	2355	2360	rVV	2078018	2611934	0.45%	0.088%
40	16.915	2365	2368	2374	rVV	409292	646566	0.11%	0.022%
41	17.021	2380	2386	2389	rVV	1622194	2451595	0.42%	0.083%
42	17.062	2389	2393	2398	rVV	4298027	5728828	0.99%	0.193%
43	17.115	2398	2402	2406	rVV2	2824841	4020560	0.70%	0.136%
44	17.151	2406	2408	2412	rVV	539741	690993	0.12%	0.023%
45	17.904	2524	2536	2539	rBV3	377229	925156	0.16%	0.031%
46	18.080	2562	2566	2571	rVV4	441507	778812	0.13%	0.026%
47	18.380	2608	2617	2624	rBV2	1350648	2122872	0.37%	0.072%
48	19.086	2732	2737	2742	rVB	1765766	2228061	0.39%	0.075%
49	19.421	2788	2794	2797	rBV2	4369512	6017352	1.04%	0.203%
50	19.451	2797	2799	2807	rVB	1237680	1381521	0.24%	0.047%
51	20.256	2931	2936	2941	rBV	2963829	3538865	0.61%	0.119%
52	21.127	3079	3084	3091	rVB	5774414	6177413	1.07%	0.208%
53	21.215	3093	3099	3104	rVV2	2218865	3339158	0.58%	0.113%
54	22.403	3298	3301	3312	rVB	416410	598259	0.10%	0.020%
55	23.286	3445	3451	3466	rVB2	2636781	5174966	0.90%	0.175%
56	23.433	3469	3476	3490	rVB2	1308728	2573409	0.45%	0.087%
57	23.909	3552	3557	3565	rVB	415325	775385	0.13%	0.026%

Sum of corrected areas: 2963175271

LSC Report - Integrated Chromatogram

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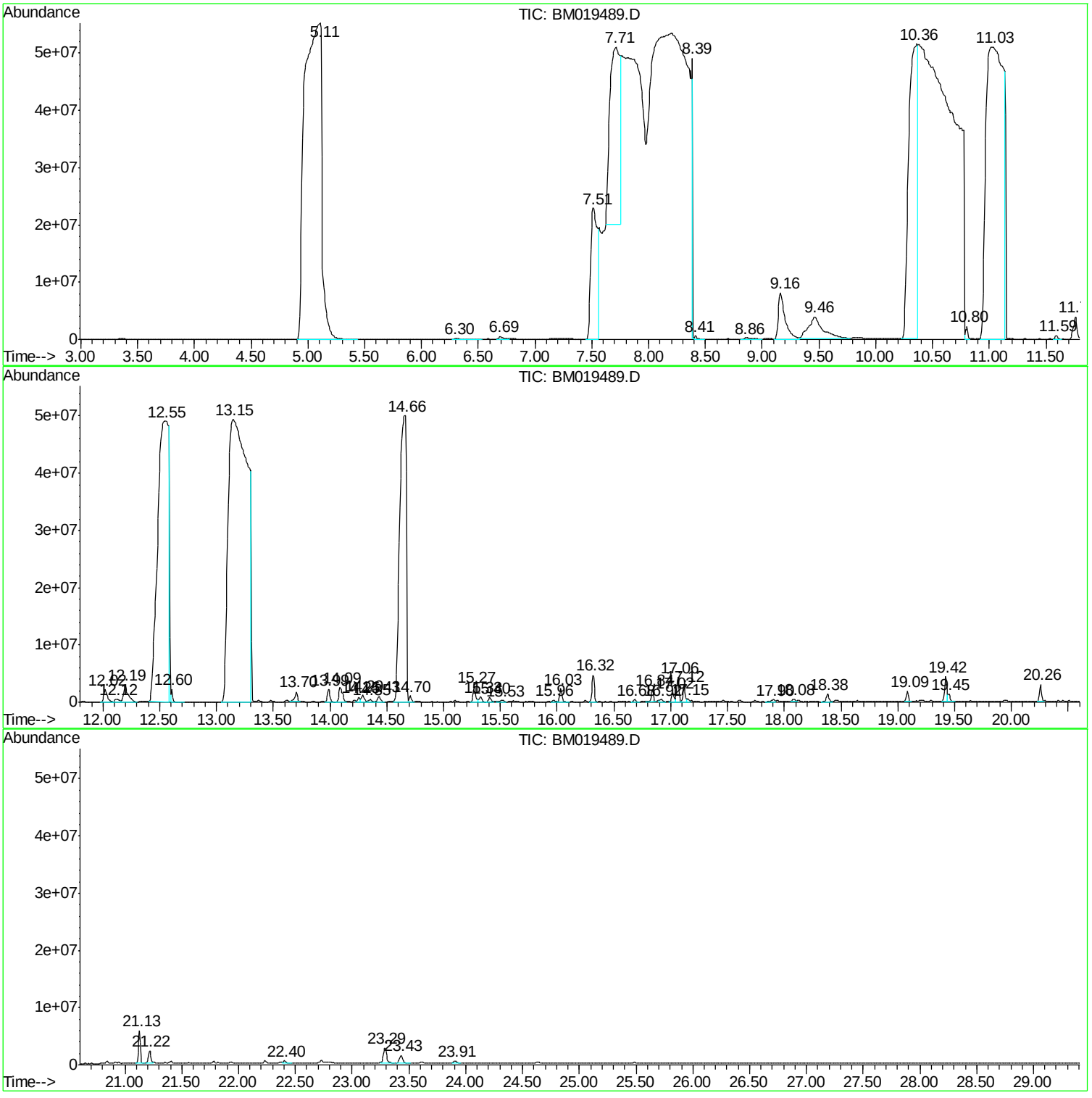
Data File : BM019489.D
Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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\BM032619\
Data File : BM019489.D
Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C09C9

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

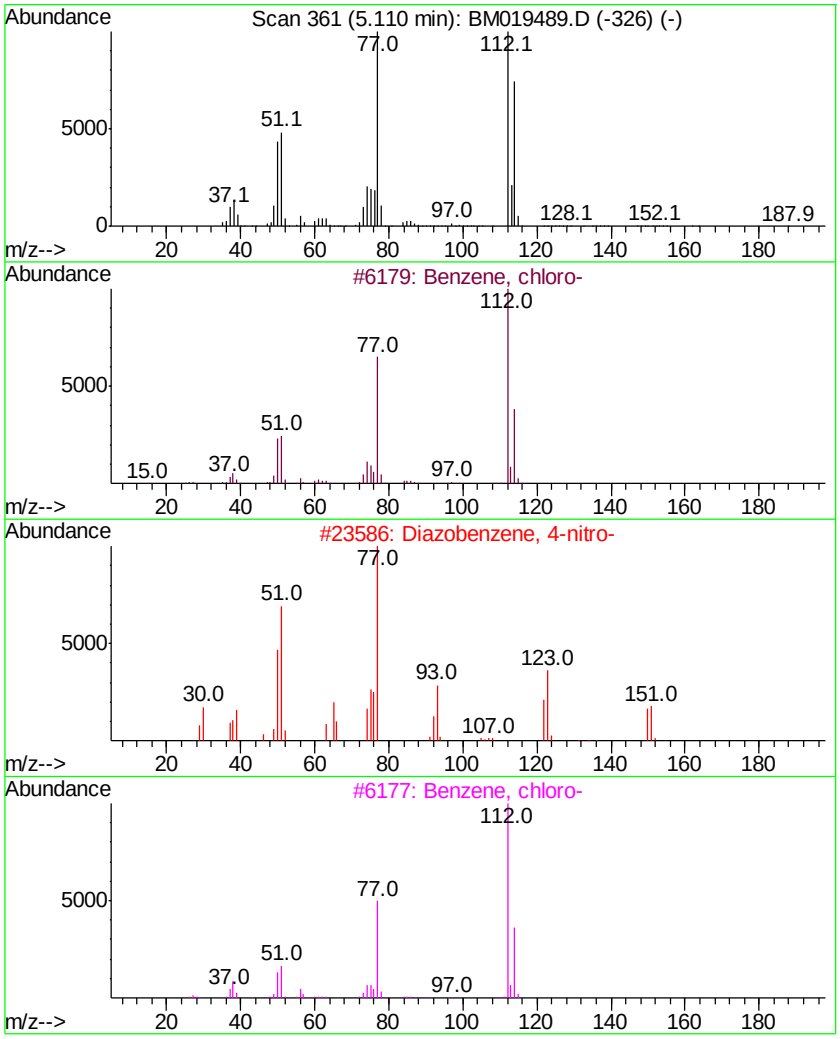
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

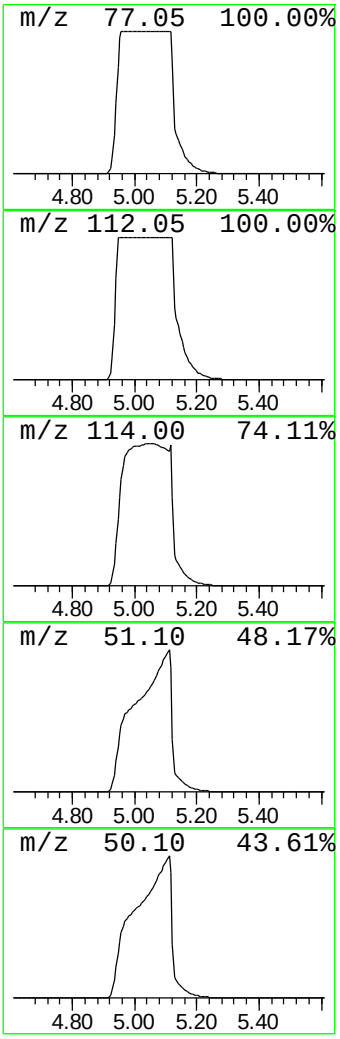
****

Peak Number 1 Benzene, chloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	60.99 ng/ul	578011000	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, chloro-	112	C6H5Cl	000108-90-7	91
2	Diazobenzene, 4-nitro-	151	C6H5N3O2	022719-27-3	47
3	Benzene, chloro-	112	C6H5Cl	000108-90-7	43
4	Benzene, chloro-	112	C6H5Cl	000108-90-7	25
5	Benzene, chloro-	112	C6H5Cl	000108-90-7	16





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032619\
Data File : BM019489.D
Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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

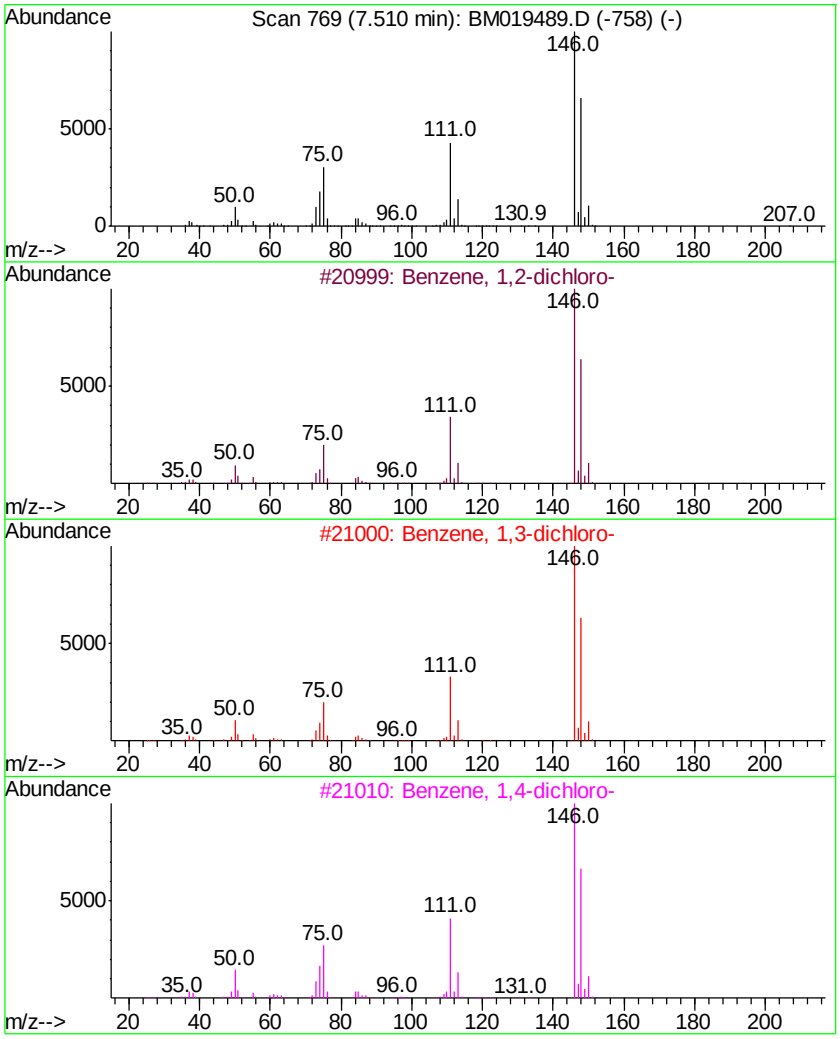
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

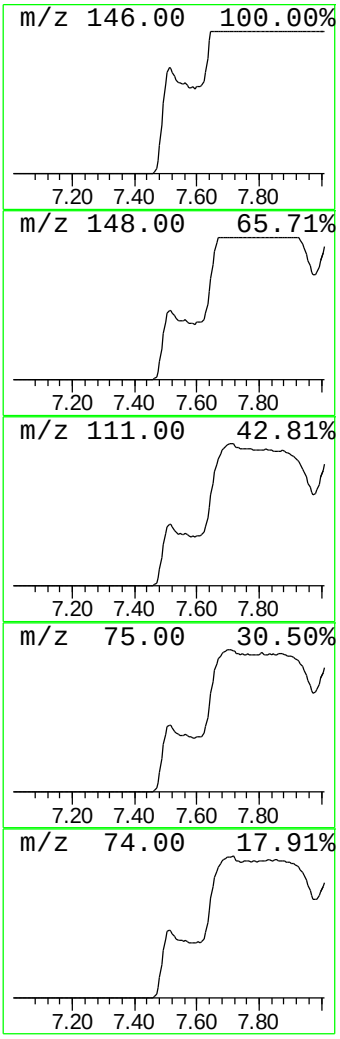
****

Peak Number 2 Benzene, 1,2-dichloro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.51	9.90 ng/ul	93852600	1,4-Dichlorobenzene-d4	7.66

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	95
5	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032619\
Data File : BM019489.D
Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

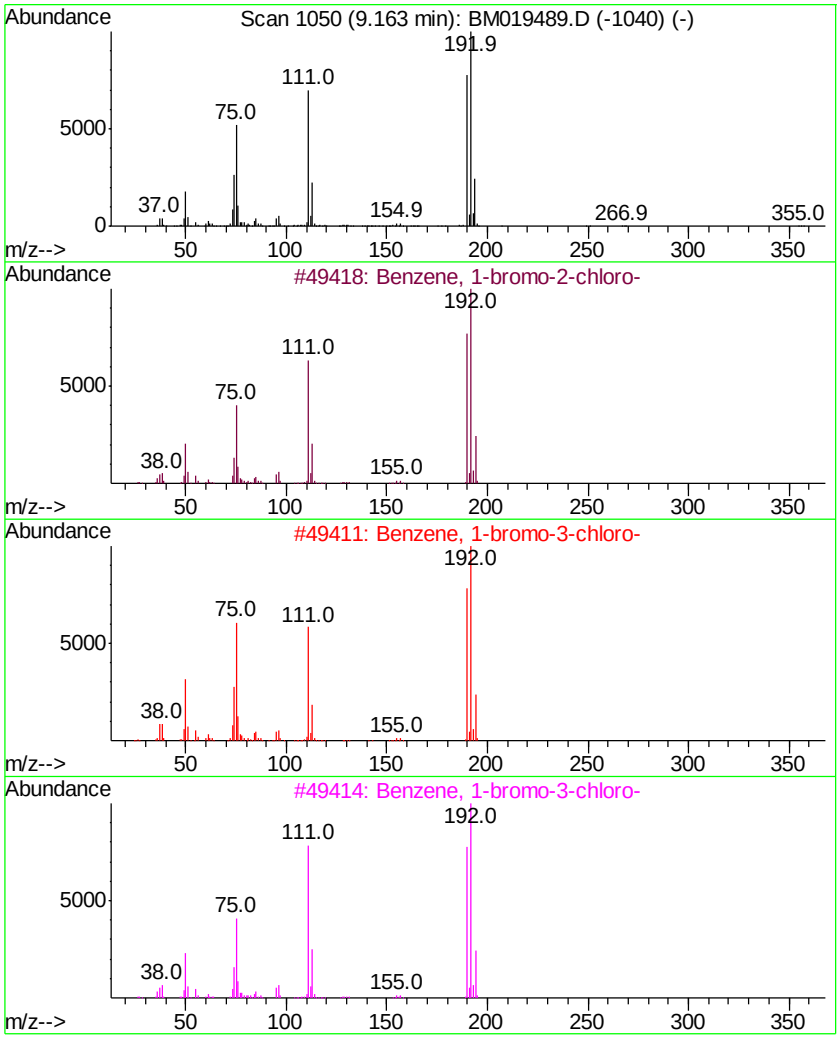
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

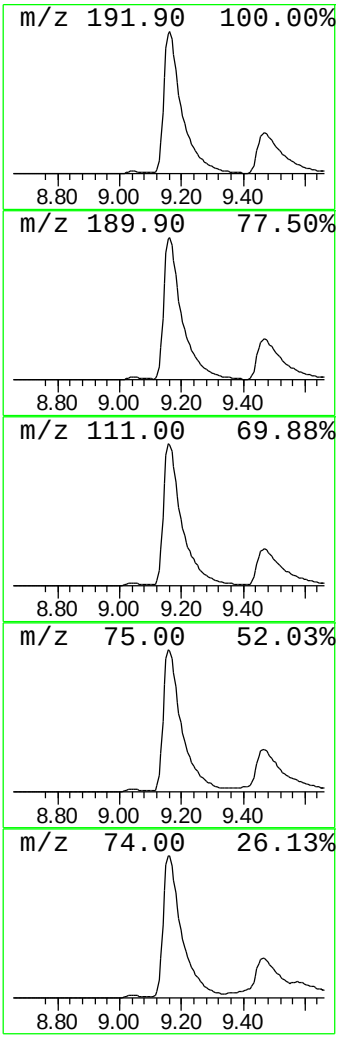
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-bromo-2-chloro- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	3.52 ng/ul	33326600	1,4-Dichlorobenzene-d4	7.66

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-3-chloro-	190	C6H4BrCl	000108-37-2	97
3	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97
4	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	96
5	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032619\
Data File : BM019489.D
Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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

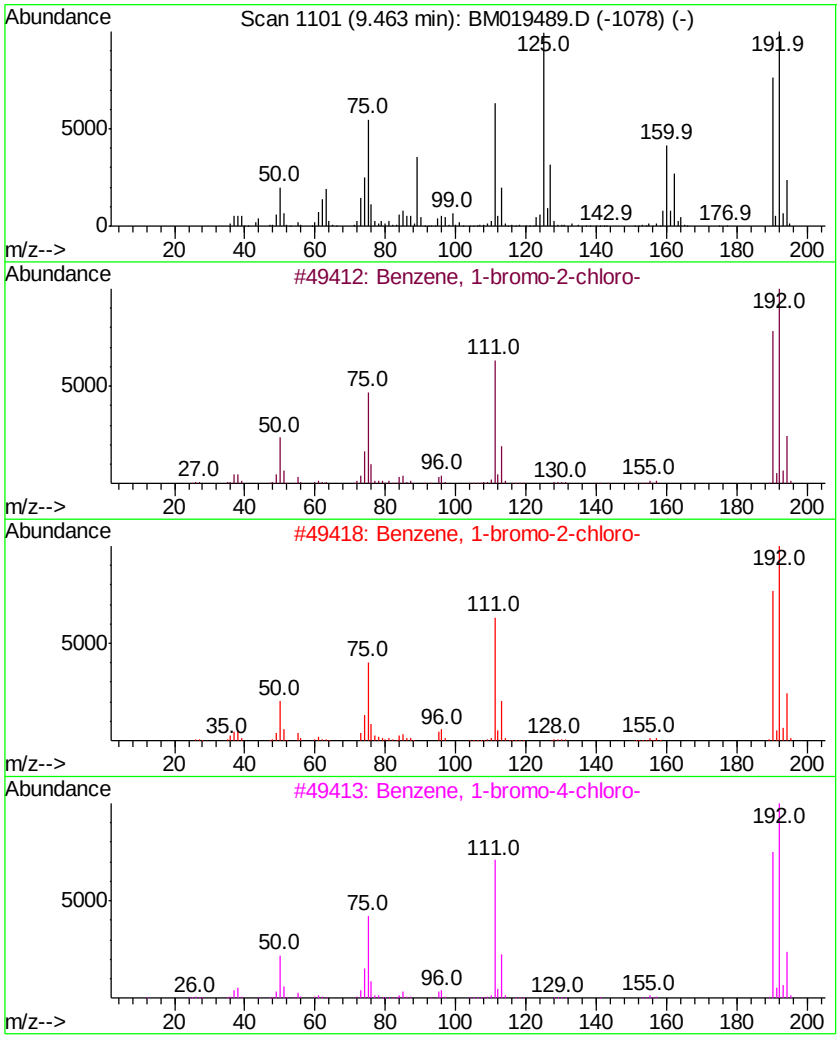
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

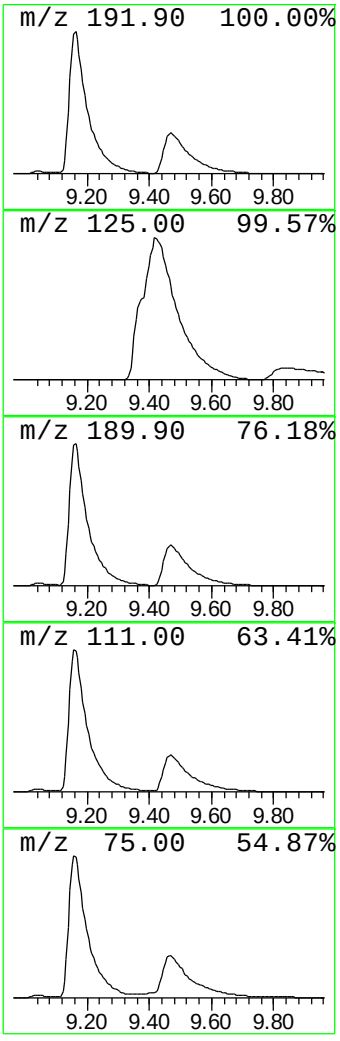
****

Peak Number 4 Benzene, 1-bromo-4-chloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	260.78 ng/ul	33256000	Naphthalene-d8	10.79

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





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Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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

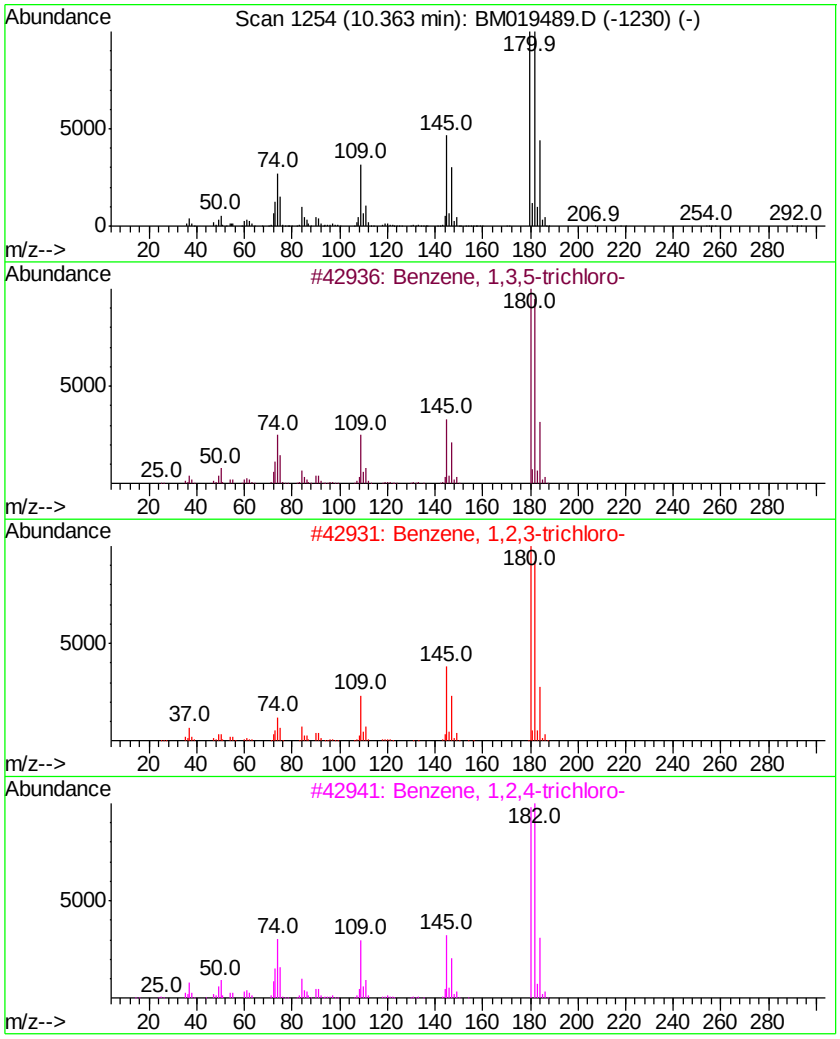
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

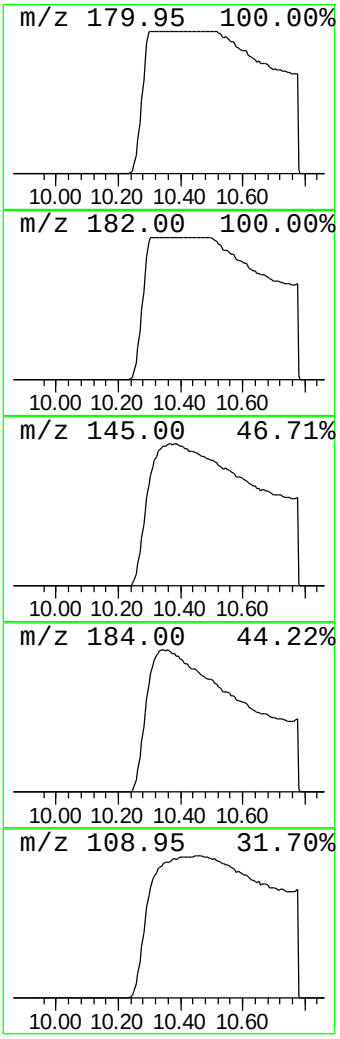
****

Peak Number 5 Benzene, 1,3,5-trichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	2156.76 ng/ul	275042000	Naphthalene-d8	10.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	96
2	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	96
3	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	95
4	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	95
5	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	94





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Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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

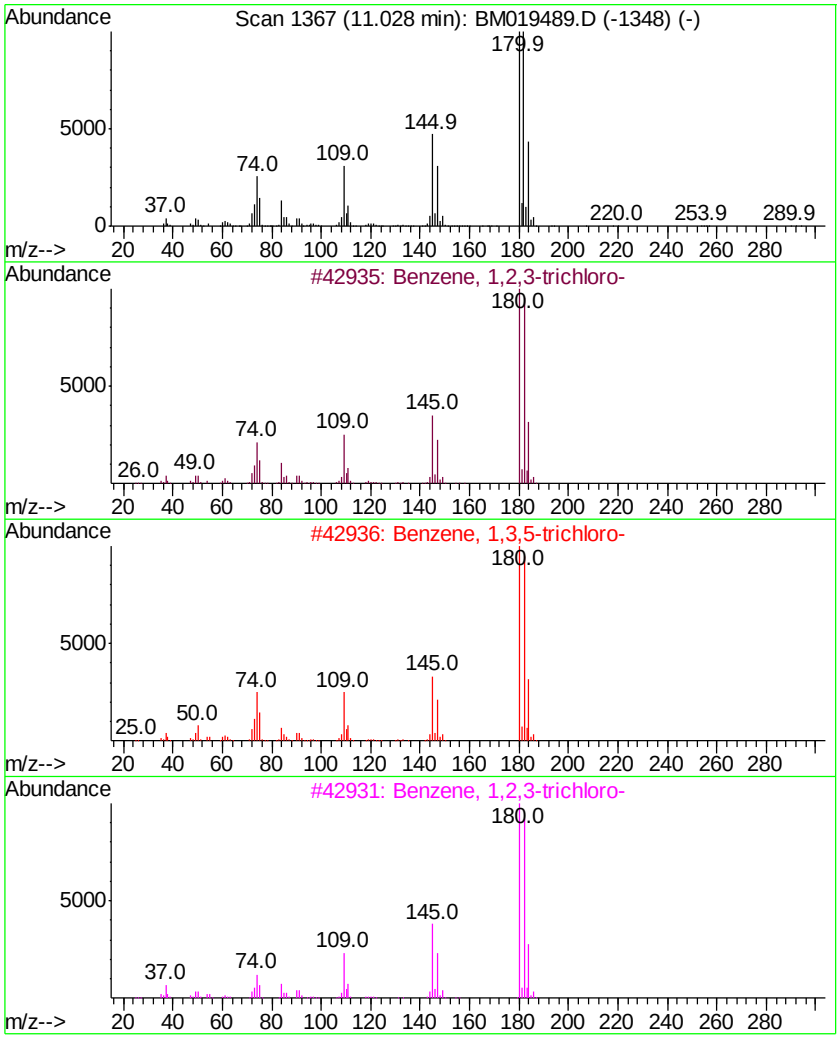
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

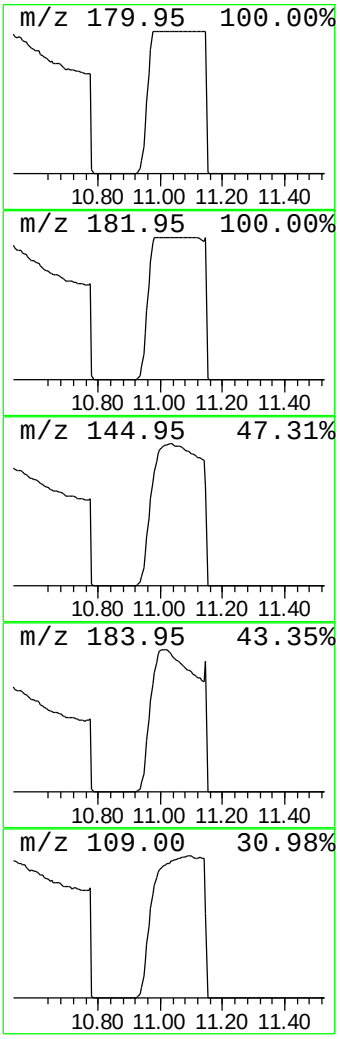
****

Peak Number 6 Benzene, 1,2,3-trichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	4095.37 ng/ul	522266000	Naphthalene-d8	10.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
2	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
3	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	96
4	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	96
5	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032619\
Data File : BM019489.D
Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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

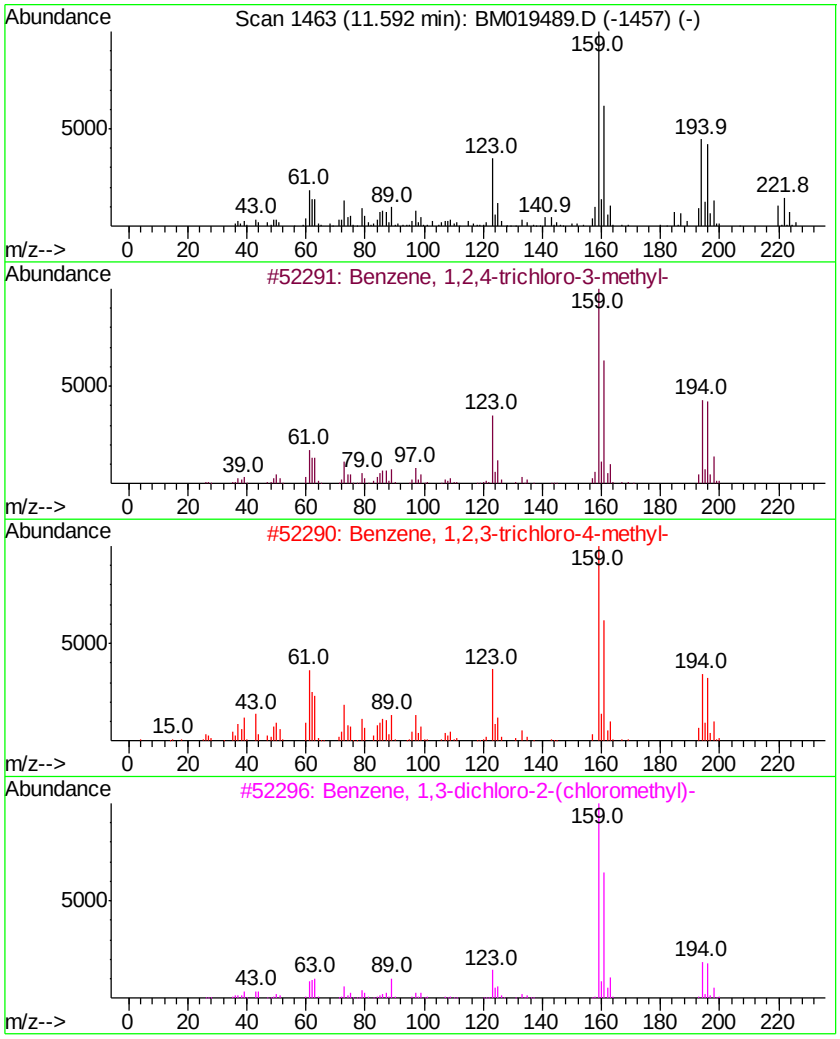
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

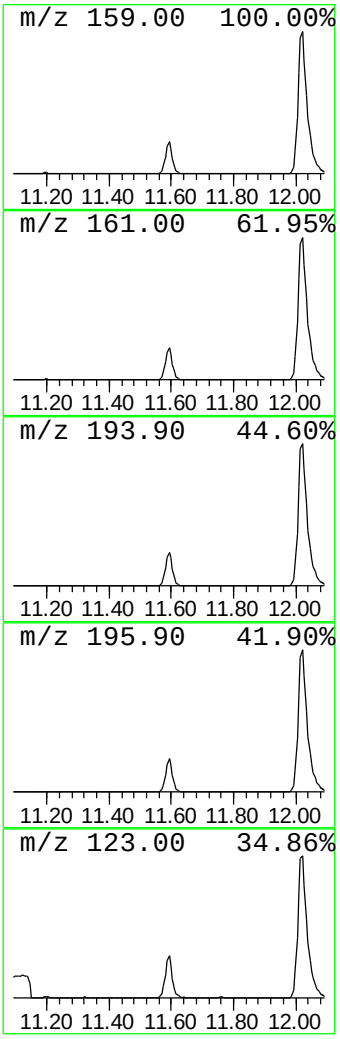
****

Peak Number 7 Benzene, 1,2,4-trichloro-3-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	7.88 ng/ul	1004430	Naphthalene-d8	10.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trichloro-3-methyl-	194	C7H5Cl3	002077-46-5	99
2	Benzene, 1,2,3-trichloro-4-methyl-	194	C7H5Cl3	007359-72-0	99
3	Benzene, 1,3-dichloro-2-(chlorom...	194	C7H5Cl3	002014-83-7	95
4	Benzene, 2,4-dichloro-1-(chlorom...	194	C7H5Cl3	000094-99-5	94
5	Benzene, 2,4-dichloro-1-(chlorom...	194	C7H5Cl3	000094-99-5	94





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Data File : BM019489.D
Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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Quant Title : SVOA CALIBRATION

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

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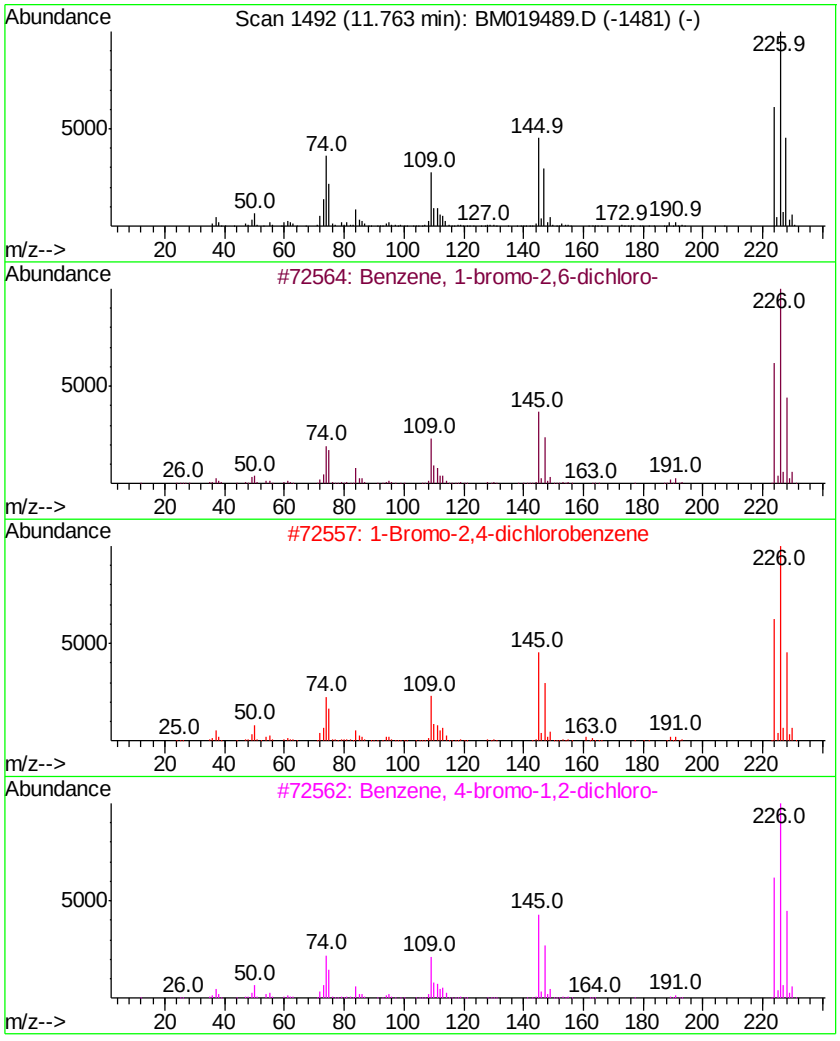
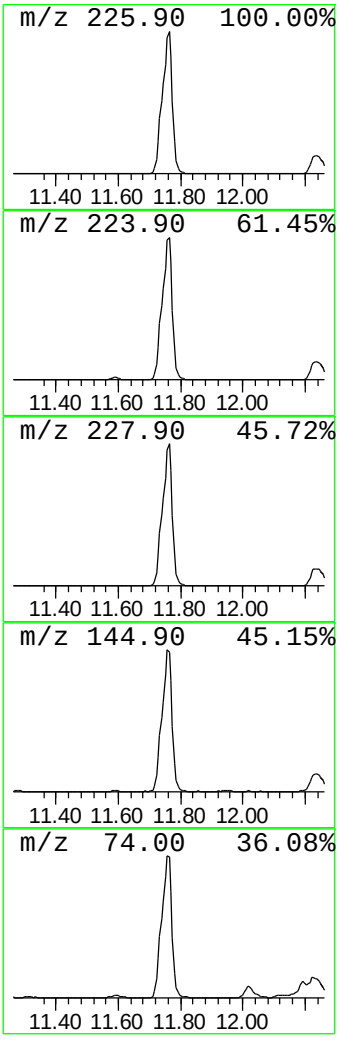
Peak Number 8 Benzene, 1-bromo-2,6-dichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	68.64 ng/ul	8753090	Naphthalene-d8	10.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	99
2	1-Bromo-2,4-dichlorobenzene	224	C6H3BrCl2	001193-72-2	99
3	Benzene, 4-bromo-1,2-dichloro-	224	C6H3BrCl2	018282-59-2	99
4	Benzene, 2-bromo-1,4-dichloro-	224	C6H3BrCl2	001435-50-3	98
5	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	94





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Sample : K2069-10
Misc :
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Quant Title : SVOA CALIBRATION

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

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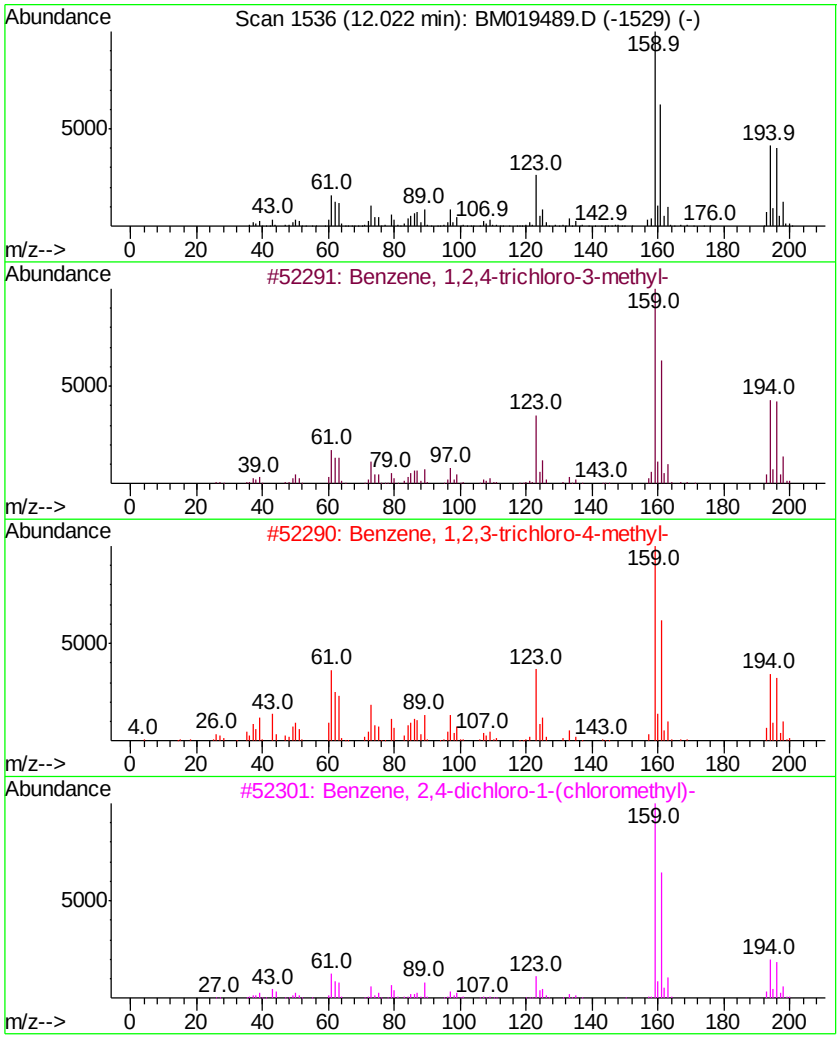
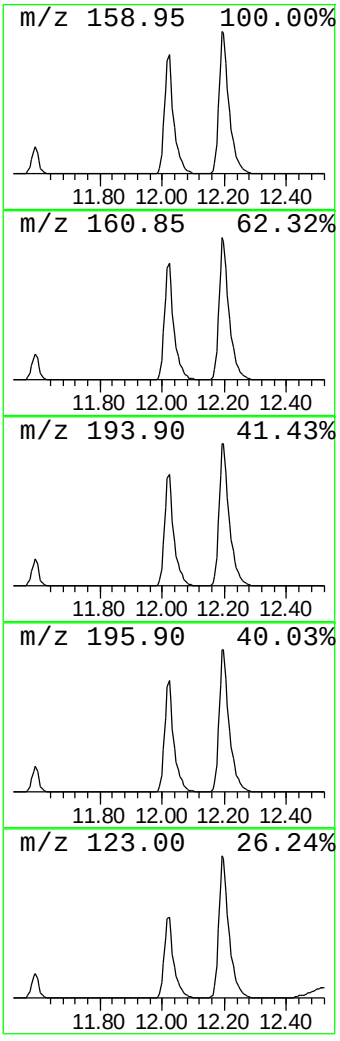
Peak Number 9 Benzene, 1,2,3-trichloro-4-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	36.31 ng/ul	4630950	Naphthalene-d8	10.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trichloro-3-methyl-	194	C7H5Cl3	002077-46-5	98
2	Benzene, 1,2,3-trichloro-4-methyl-	194	C7H5Cl3	007359-72-0	98
3	Benzene, 2,4-dichloro-1-(chlorom...	194	C7H5Cl3	000094-99-5	94
4	2,4,5-Trichlorotoluene	194	C7H5Cl3	006639-30-1	94
5	Benzene, 1,2-dichloro-4-(chlorom...	194	C7H5Cl3	000102-47-6	93





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Quant Title : SVOA CALIBRATION

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

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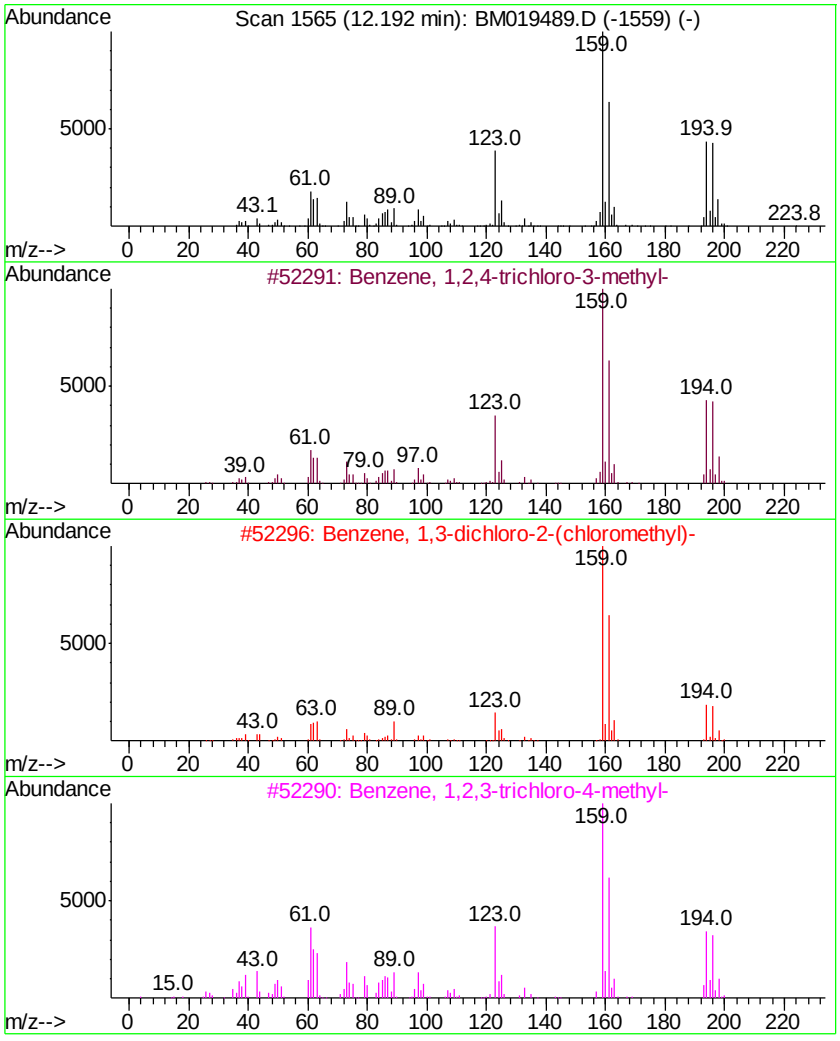
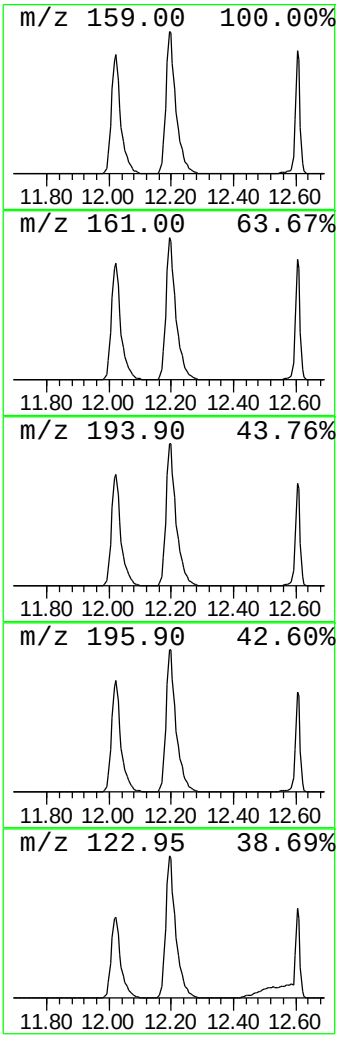
Peak Number 10 Benzene, 1,3-dichloro-2-(ch... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	62.48 ng/ul	7967720	Naphthalene-d8	10.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trichloro-3-methyl-	194	C7H5Cl3	002077-46-5	99
2	Benzene, 1,3-dichloro-2-(chlorom...	194	C7H5Cl3	002014-83-7	96
3	Benzene, 1,2,3-trichloro-4-methyl-	194	C7H5Cl3	007359-72-0	95
4	2,4,5-Trichlorotoluene	194	C7H5Cl3	006639-30-1	95
5	Benzene, 2,4-dichloro-1-(chlorom...	194	C7H5Cl3	000094-99-5	94





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Instrument : BNA_M
ClientSampleId : C09C9

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Quant Title : SVOA CALIBRATION

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

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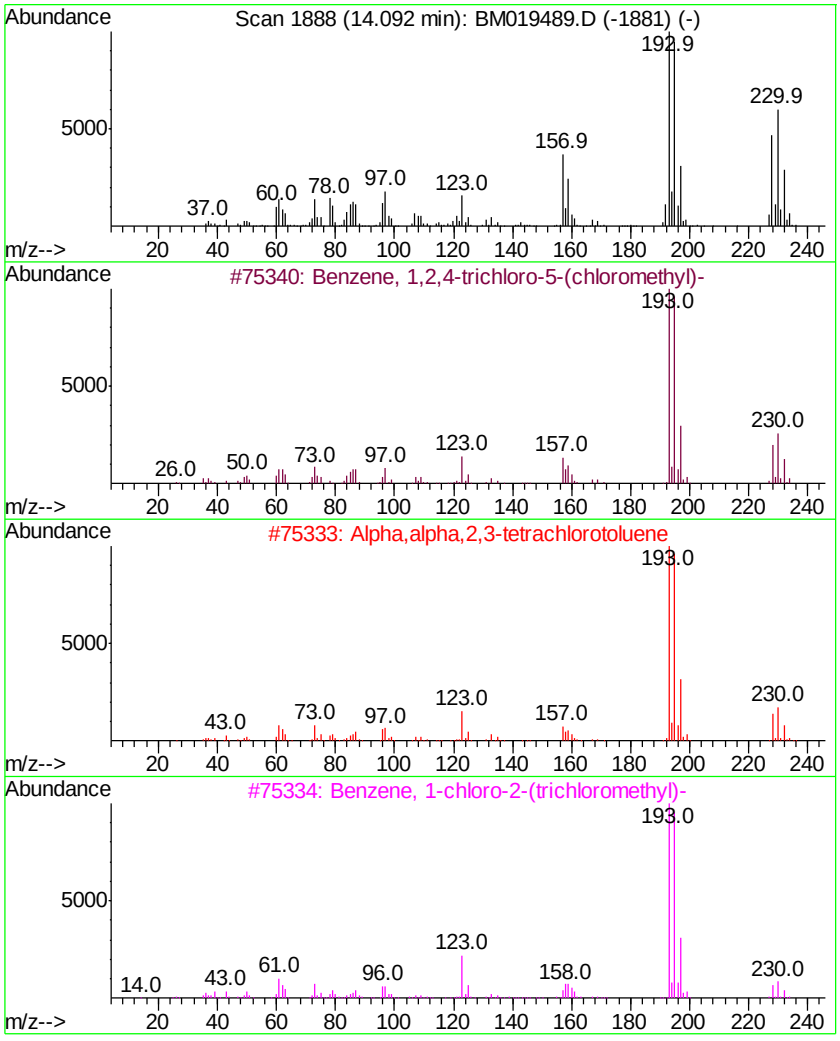
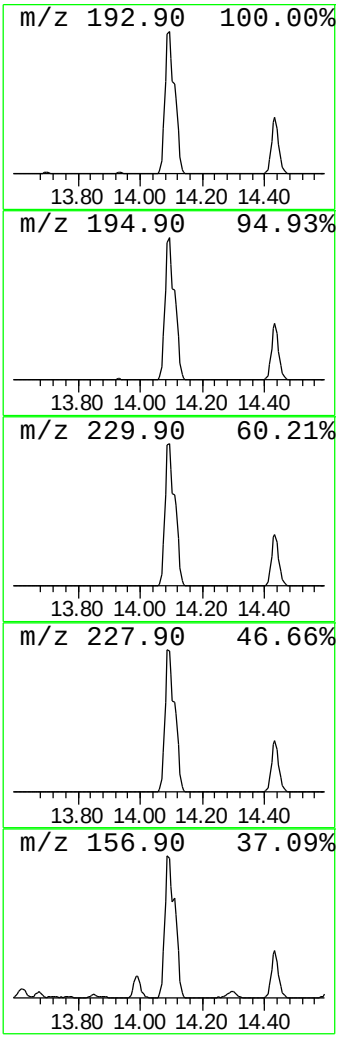
Peak Number 12 Benzene, 1,2,4-trichloro-5-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	54.56 ng/ul	5401360	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trichloro-5-(chlo...	228	C7H4Cl4	003955-26-8	89
2	Alpha,alpha,2,3-tetrachlorotoluene	228	C7H4Cl4	057058-14-7	76
3	Benzene, 1-chloro-2-(trichlorome...	228	C7H4Cl4	002136-89-2	46
4	Benzene, 1-chloro-2-(trichlorome...	228	C7H4Cl4	002136-89-2	46
5	Benzene, 1-chloro-4-(trichlorome...	228	C7H4Cl4	005216-25-1	43





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ClientSampleId : C09C9

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Quant Title : SVOA CALIBRATION

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

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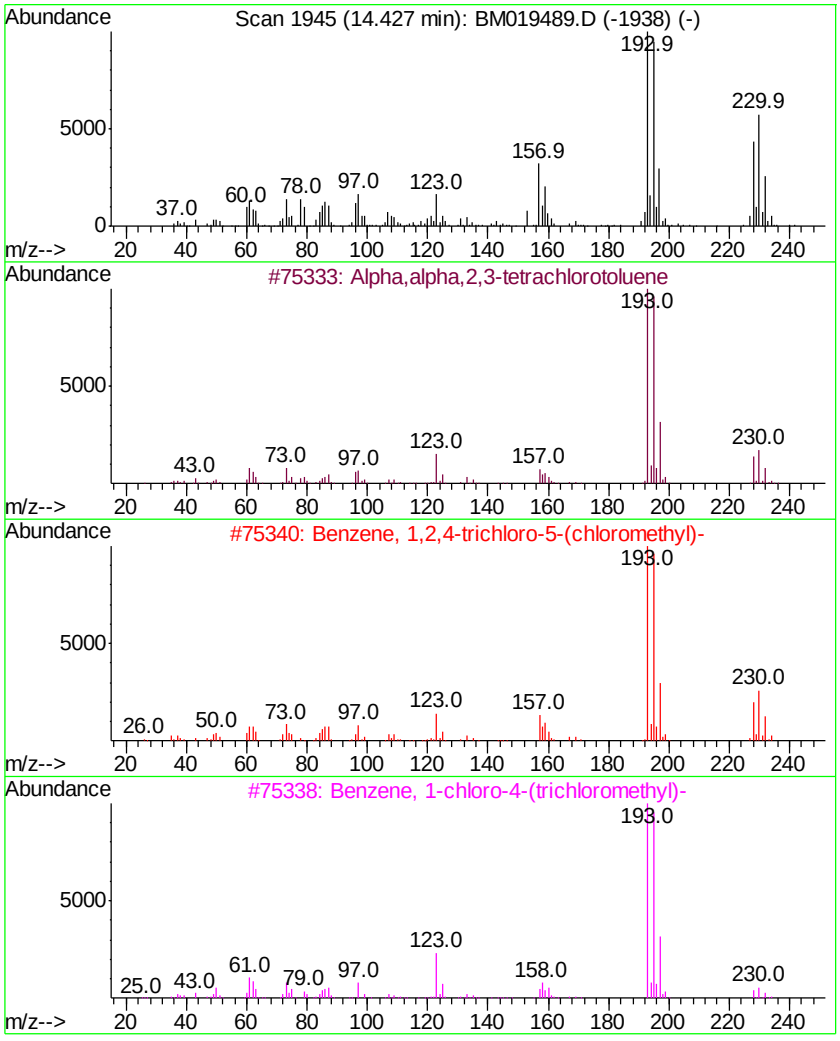
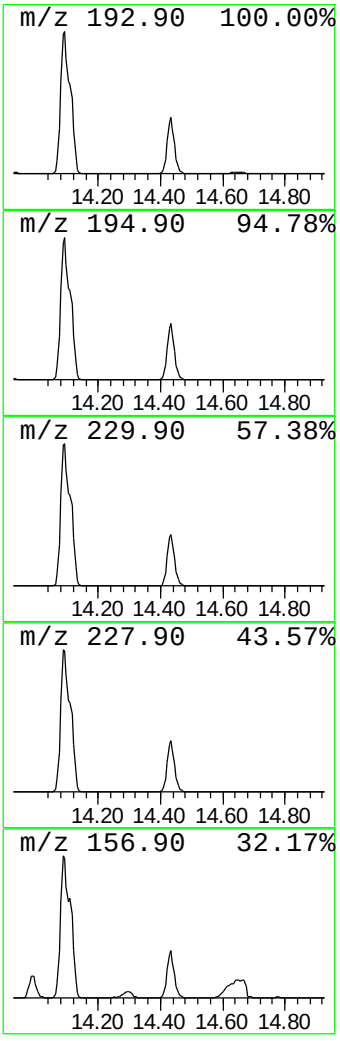
Peak Number 13 Alpha,alpha,2,3-tetrachloro... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	17.07 ng/ul	1690000	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Alpha,alpha,2,3-tetrachlorotoluene	228	C7H4Cl4	057058-14-7	93
2	Benzene, 1,2,4-trichloro-5-(chlo...	228	C7H4Cl4	003955-26-8	93
3	Benzene, 1-chloro-4-(trichlorome...	228	C7H4Cl4	005216-25-1	49
4	Benzene, 1-chloro-4-(trichlorome...	228	C7H4Cl4	005216-25-1	49
5	Benzene, 1-chloro-2-(trichlorome...	228	C7H4Cl4	002136-89-2	49





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Quant Title : SVOA CALIBRATION

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

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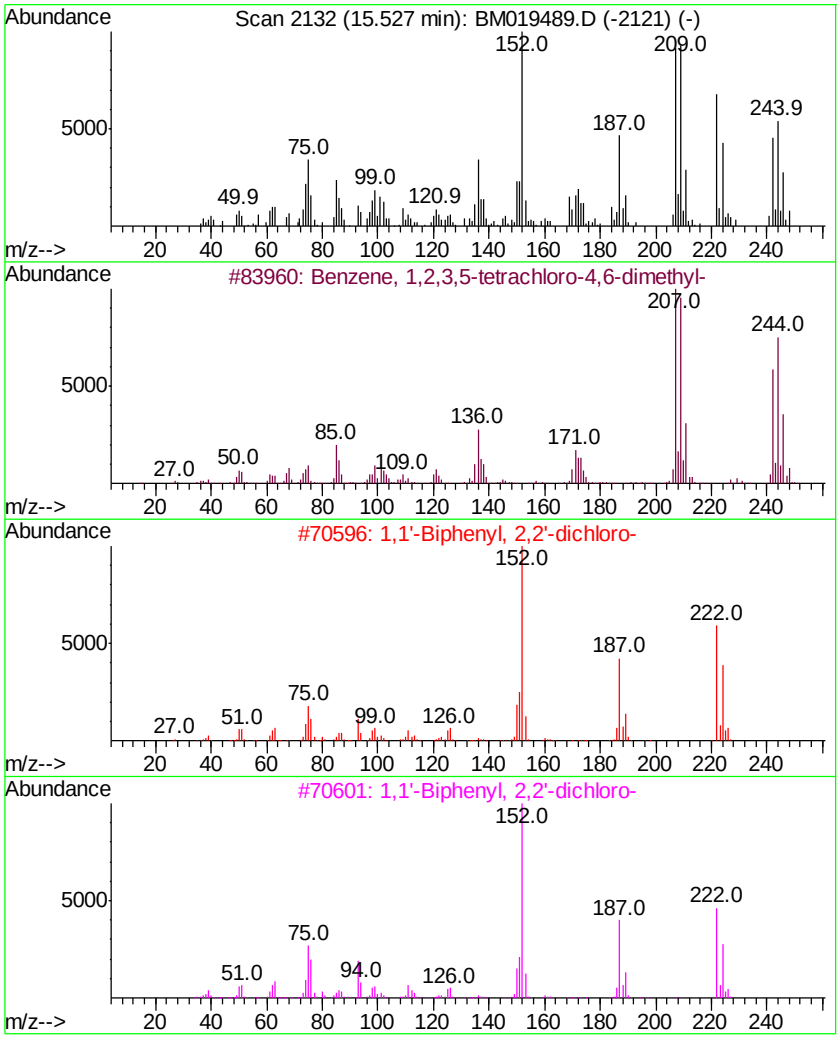
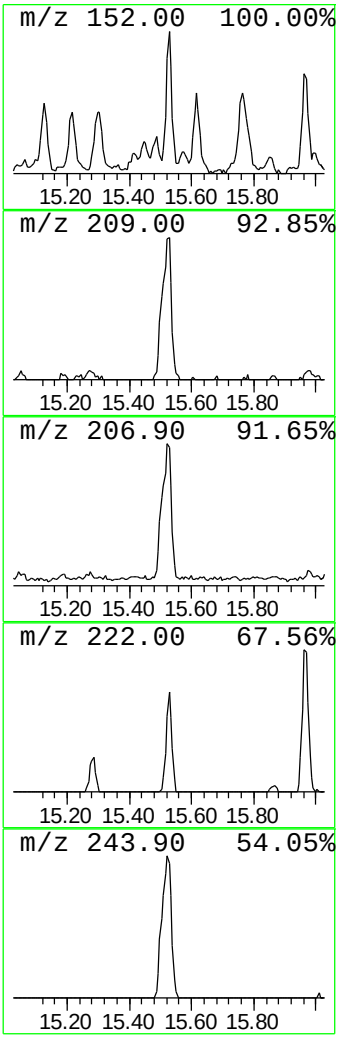
Peak Number 14 Benzene, 1,2,3,5-tetrachlor... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	6.95 ng/ul	688074	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetrachloro-4,6...	242	C8H6Cl4	000877-09-8	98
2	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	95
3	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	95
4	Benzene, 1,2,3,5-tetrachloro-4,6...	242	C8H6Cl4	000877-09-8	89
5	1,1'-Biphenyl, 2,6-dichloro-	222	C12H8Cl2	033146-45-1	74





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Instrument : BNA_M
ClientSampleId : C09C9

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Quant Title : SVOA CALIBRATION

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

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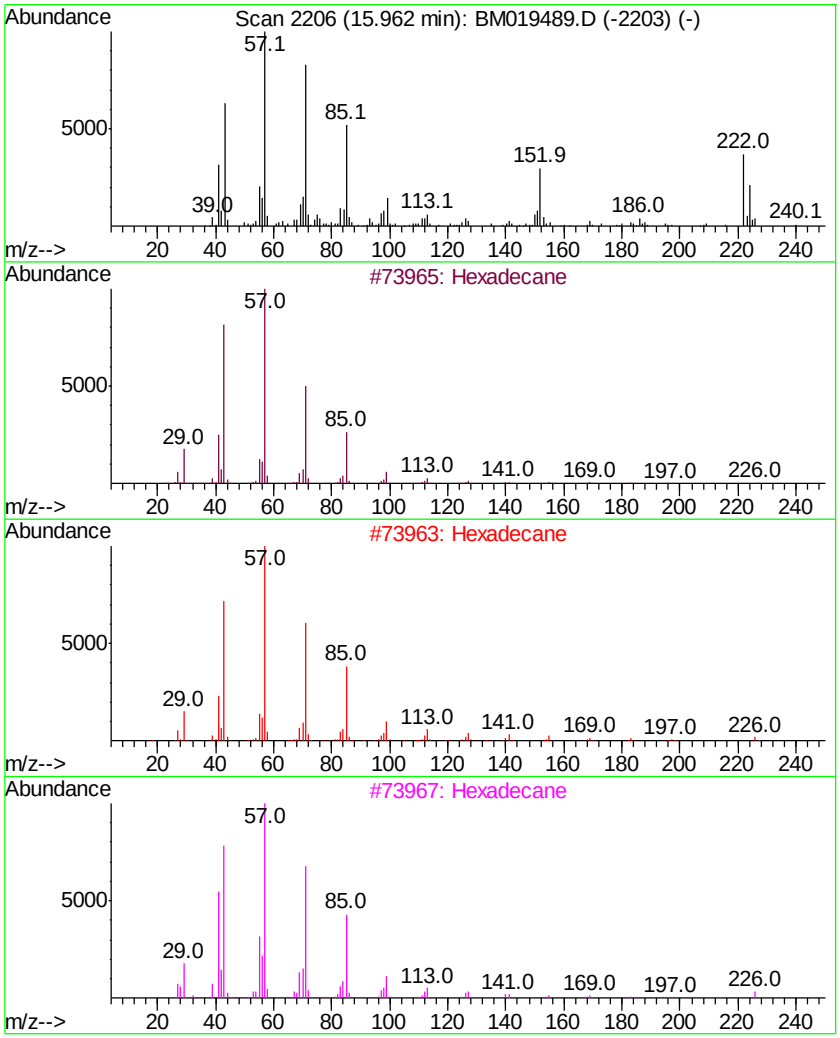
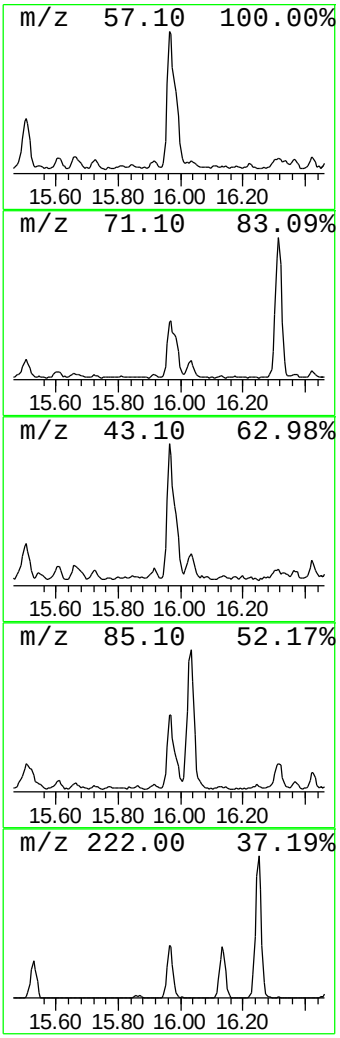
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	4.99 ng/ul	611911	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Hexadecane	226	C16H34	000544-76-3	83
3	Hexadecane	226	C16H34	000544-76-3	83
4	Hexadecane	226	C16H34	000544-76-3	60
5	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	55





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Quant Title : SVOA CALIBRATION

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

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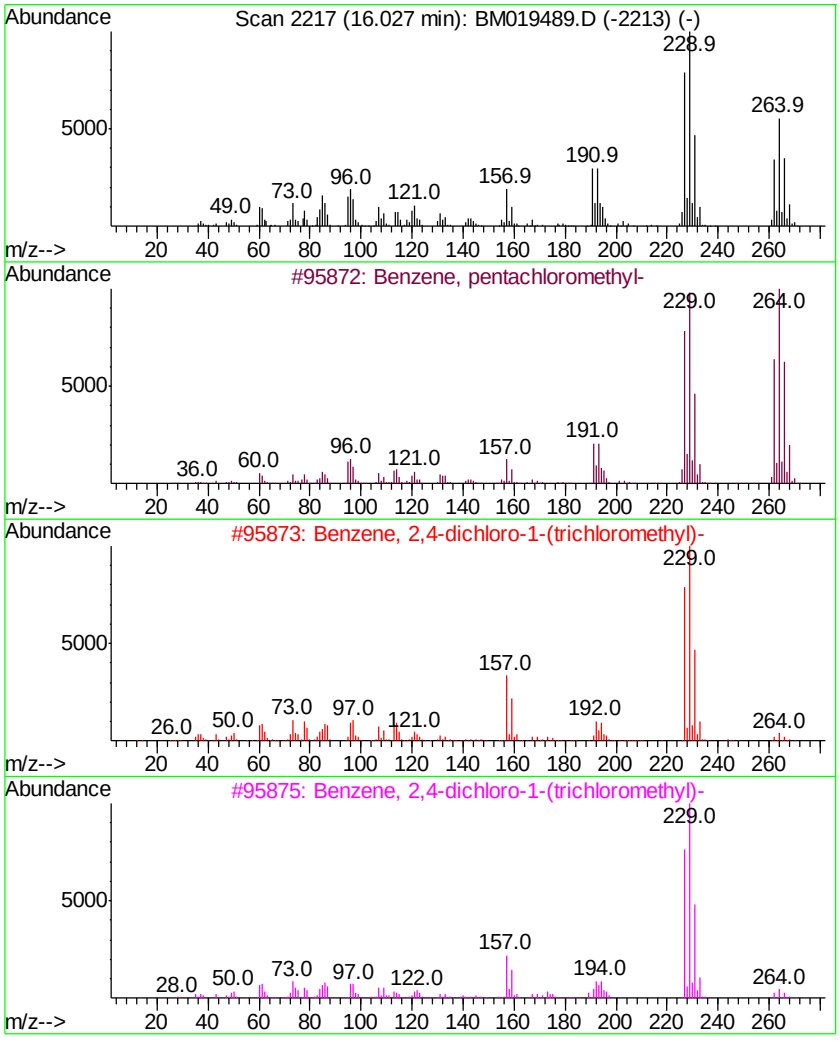
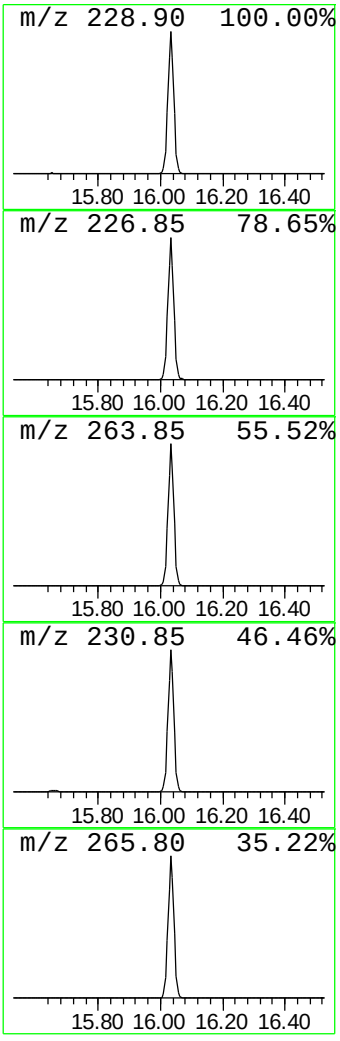
Peak Number 16 Benzene, pentachloromethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	27.68 ng/ul	3393390	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentachloromethyl-	262	C7H3Cl5	000877-11-2	97
2	Benzene, 2,4-dichloro-1-(trichlo...	262	C7H3Cl5	013014-18-1	64
3	Benzene, 2,4-dichloro-1-(trichlo...	262	C7H3Cl5	013014-18-1	59
4	Benzene, 1,2-dichloro-4-(trichlo...	262	C7H3Cl5	013014-24-9	59
5	Benzene, 2,4-dichloro-1-(trichlo...	262	C7H3Cl5	013014-18-1	45





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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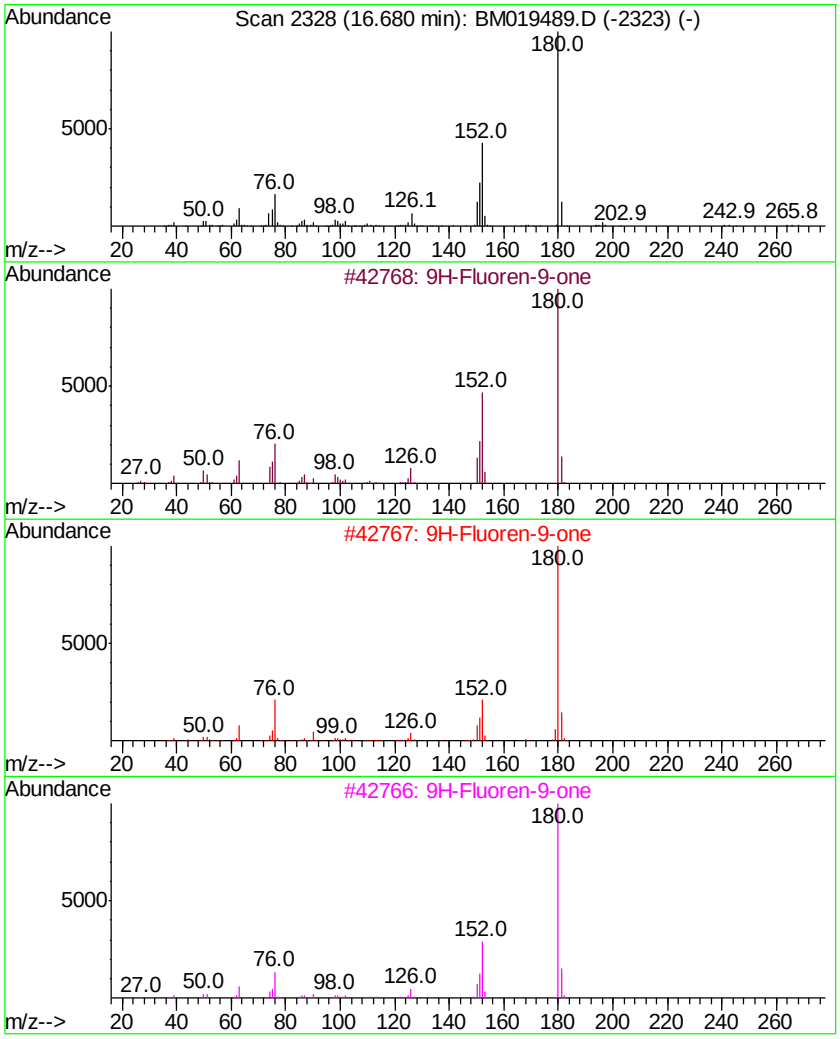
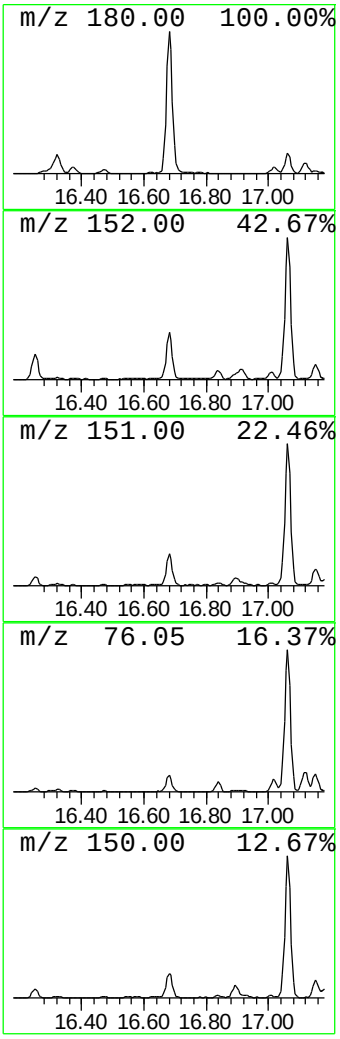
Peak Number 17 9H-Fluoren-9-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	4.90 ng/ul	600291	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91





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Quant Title : SVOA CALIBRATION

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

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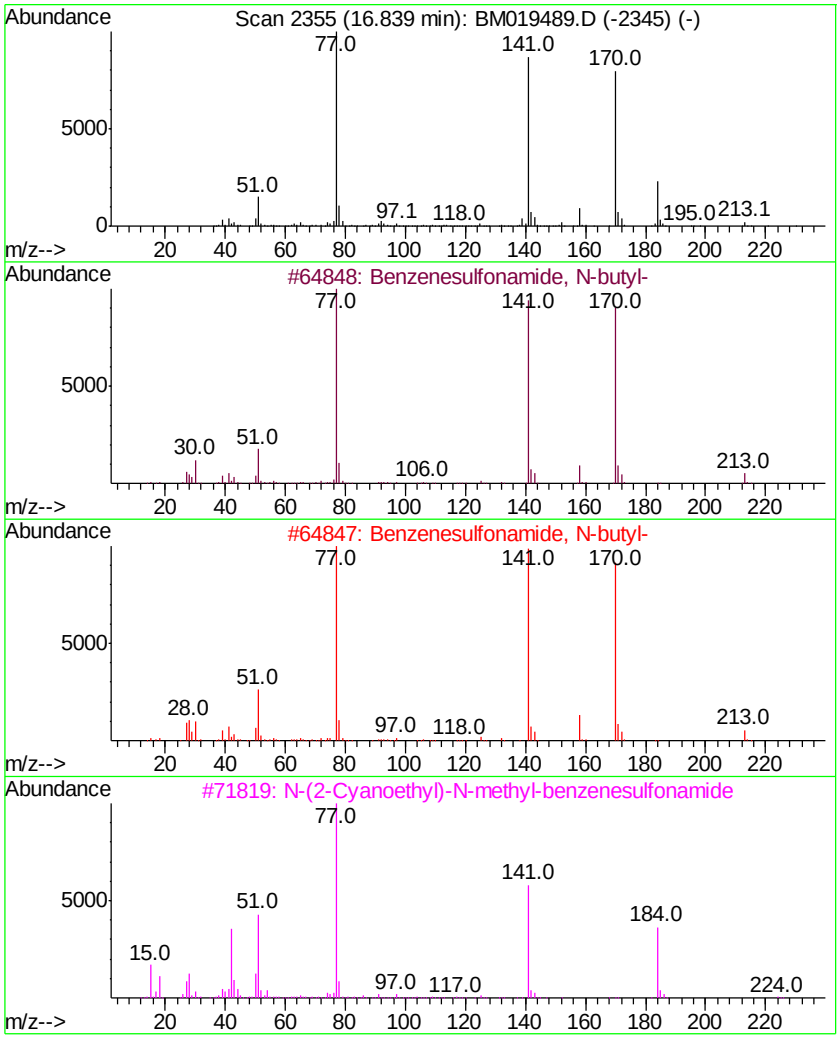
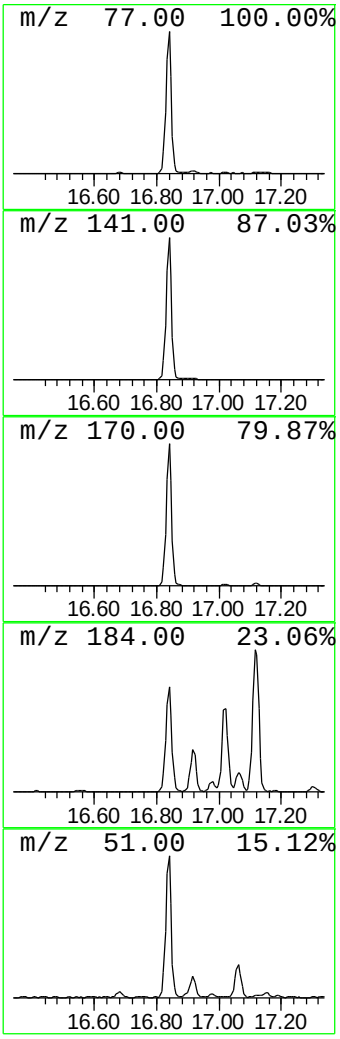
Peak Number 18 Benzenesulfonamide, N-butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	21.31 ng/ul	2611930	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, N-butyl-	213	C10H15NO2S	003622-84-2	93
2	Benzenesulfonamide, N-butyl-	213	C10H15NO2S	003622-84-2	64
3	N-(2-Cyanoethyl)-N-methyl-benzen...	224	C10H12N2O2S	218920-78-6	40
4	(Phenylsulfonyl)acetonitrile	181	C8H7NO2S	007605-28-9	37
5	N,N-Dichlorobenzenesulfonamide	225	C6H5Cl2NO2S	000473-29-0	35





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Quant Title : SVOA CALIBRATION

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

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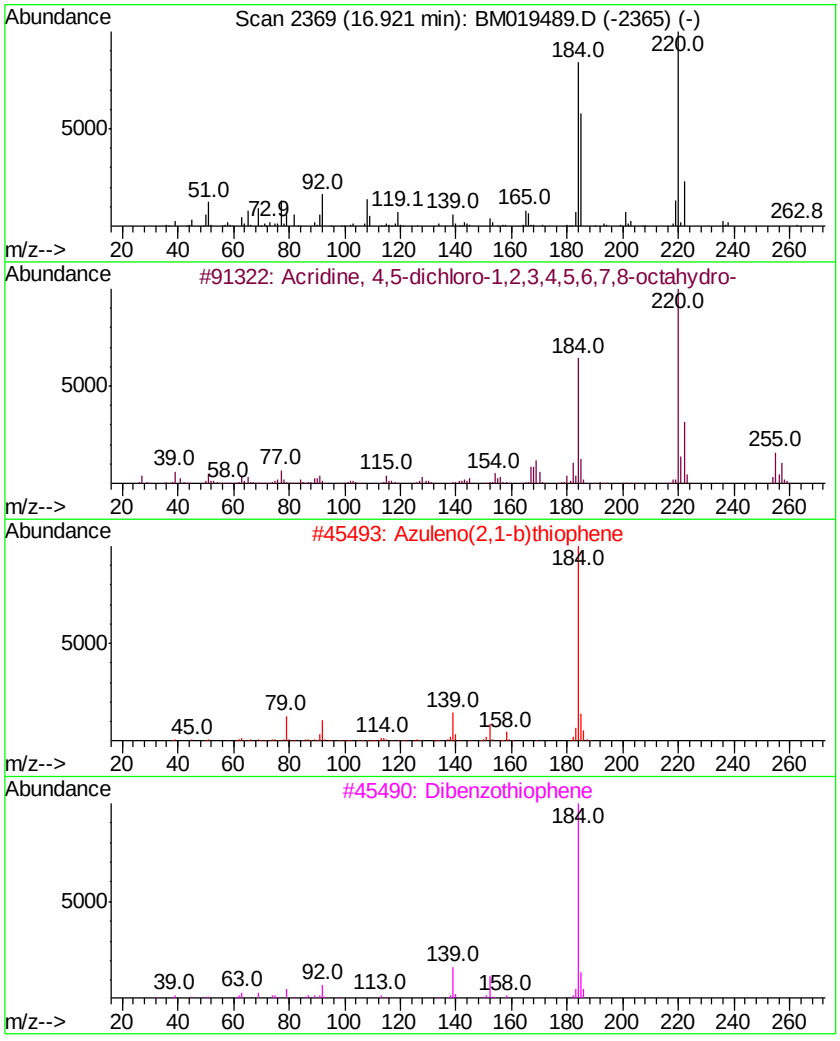
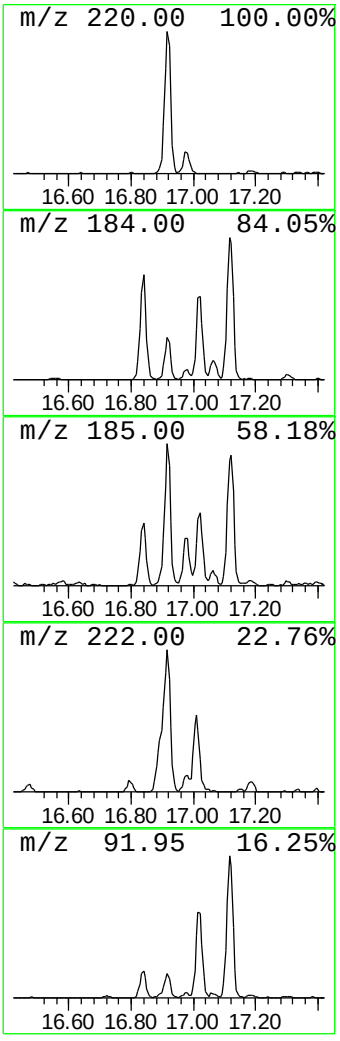
Peak Number 19 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	5.27 ng/ul	646566	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine, 4,5-dichloro-1,2,3,4,5...	255	C13H15Cl2N	022766-55-8	36
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	27
3	Dibenzothiophene	184	C12H8S	000132-65-0	22
4	1,1'-Biphenyl, 4-methoxy-	184	C13H12O	000613-37-6	22
5	Benzene, 1-methyl-3-phenoxy-	184	C13H12O	003586-14-9	14





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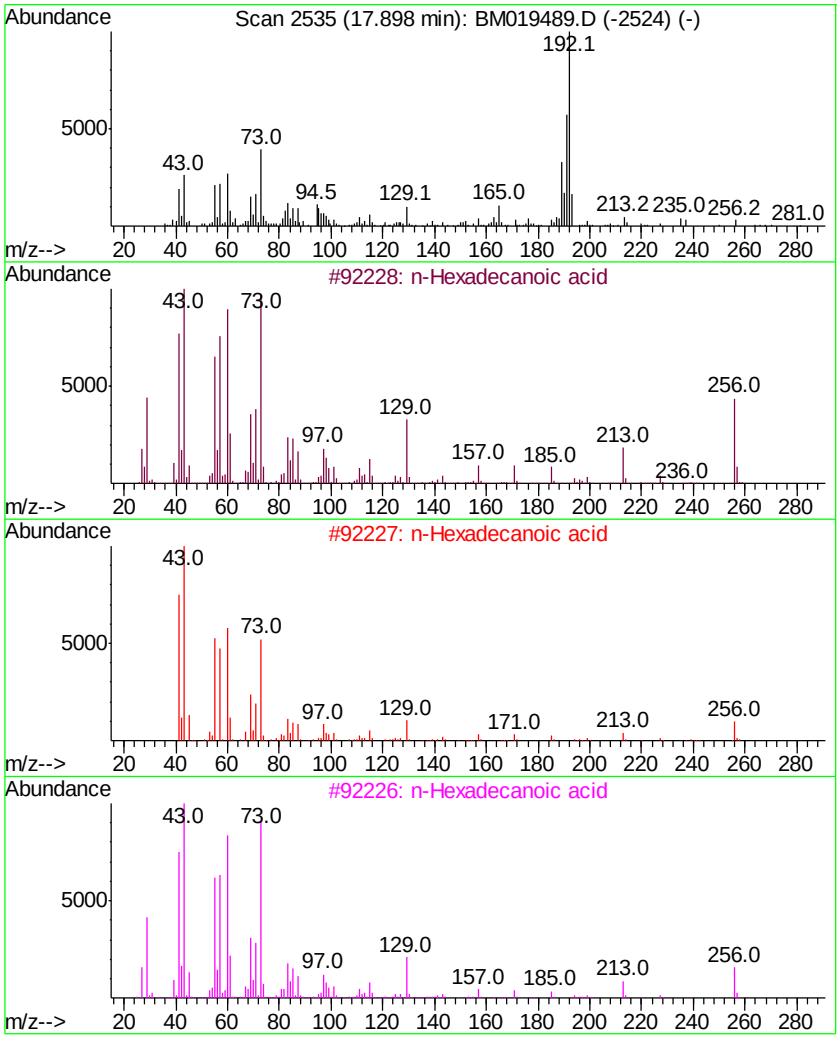
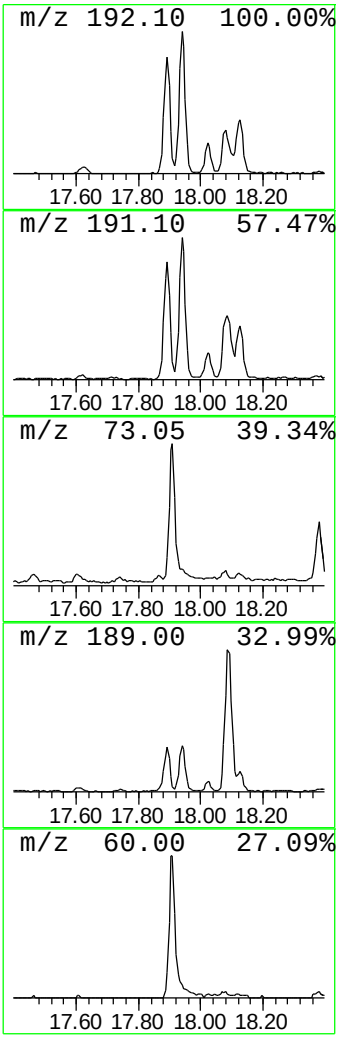
Peak Number 20 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	7.55 ng/ul	925156	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	53





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Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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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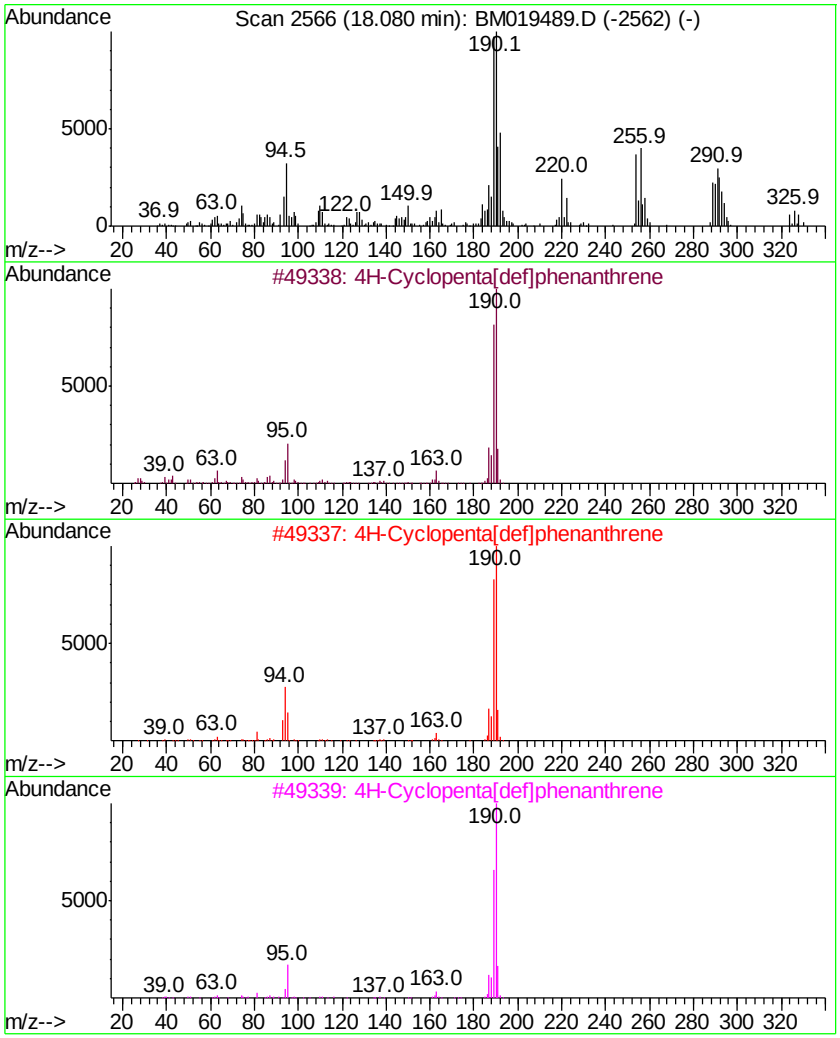
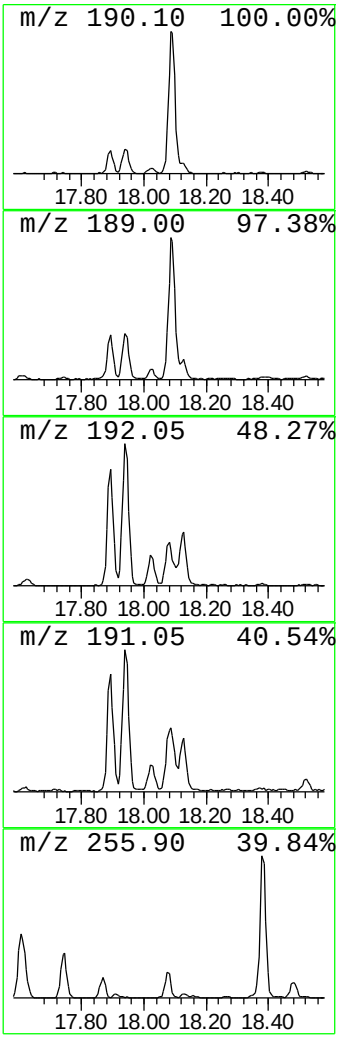
Peak Number 21 unknown-02 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	6.35 ng/ul	778812	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	41
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	35
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	35
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	14





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Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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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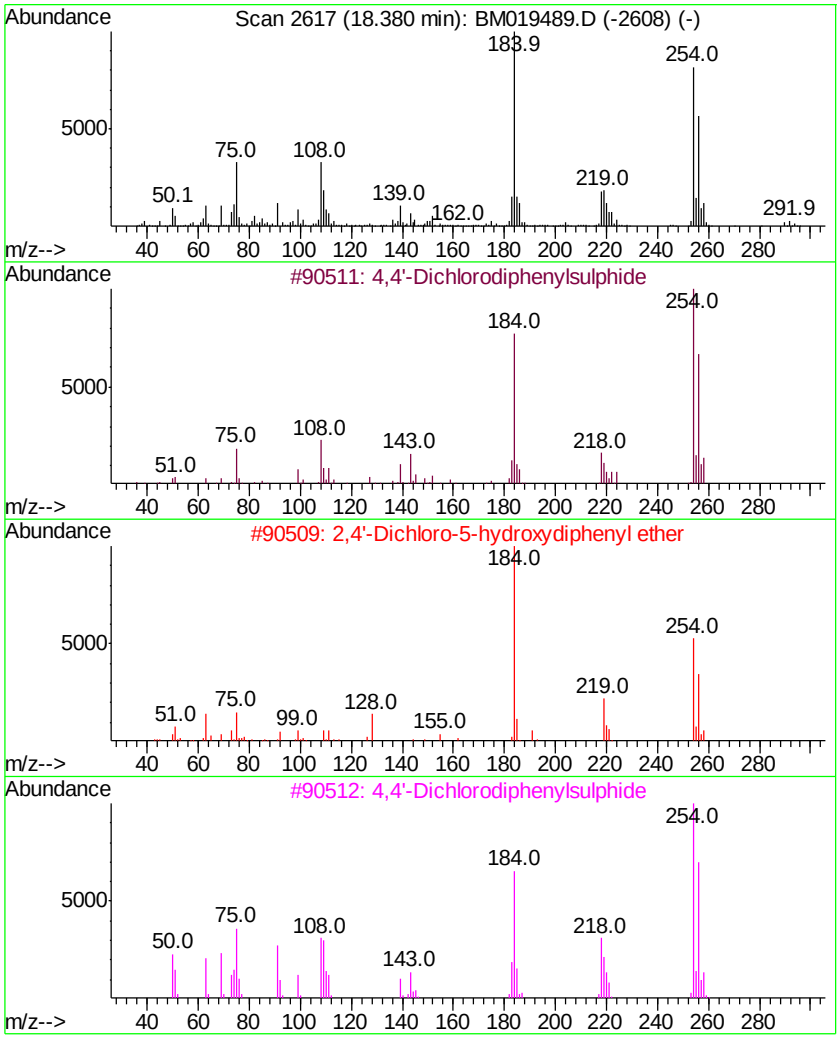
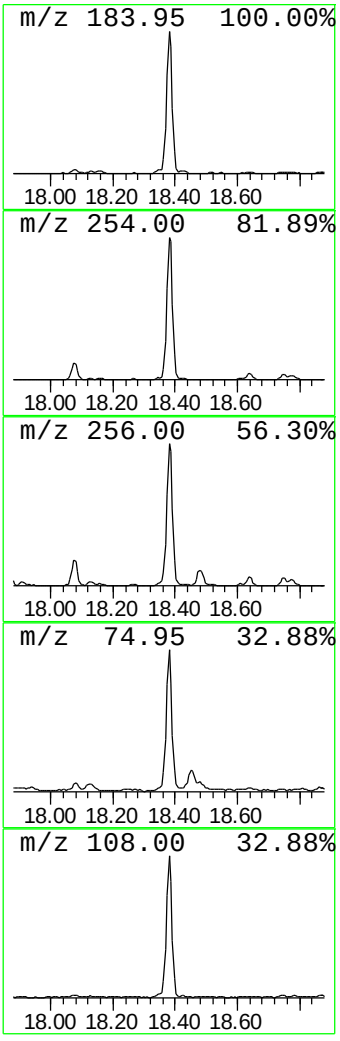
Peak Number 22 4,4'-Dichlorodiphenylsulphide Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	17.32 ng/ul	2122870	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dichlorodiphenylsulphide	254	C12H8Cl2S	005181-10-2	95
2	2,4'-Dichloro-5-hydroxydiphenyl ...	254	C12H8Cl2O2	070870-55-2	91
3	4,4'-Dichlorodiphenylsulphide	254	C12H8Cl2S	005181-10-2	74
4	Ferrocene, 1,2-dichloro-	254	C10H8Cl2Fe	012287-95-5	46
5	Ferrocene, 1,1'-dichloro-	254	C10H8Cl2Fe	001293-67-0	46





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Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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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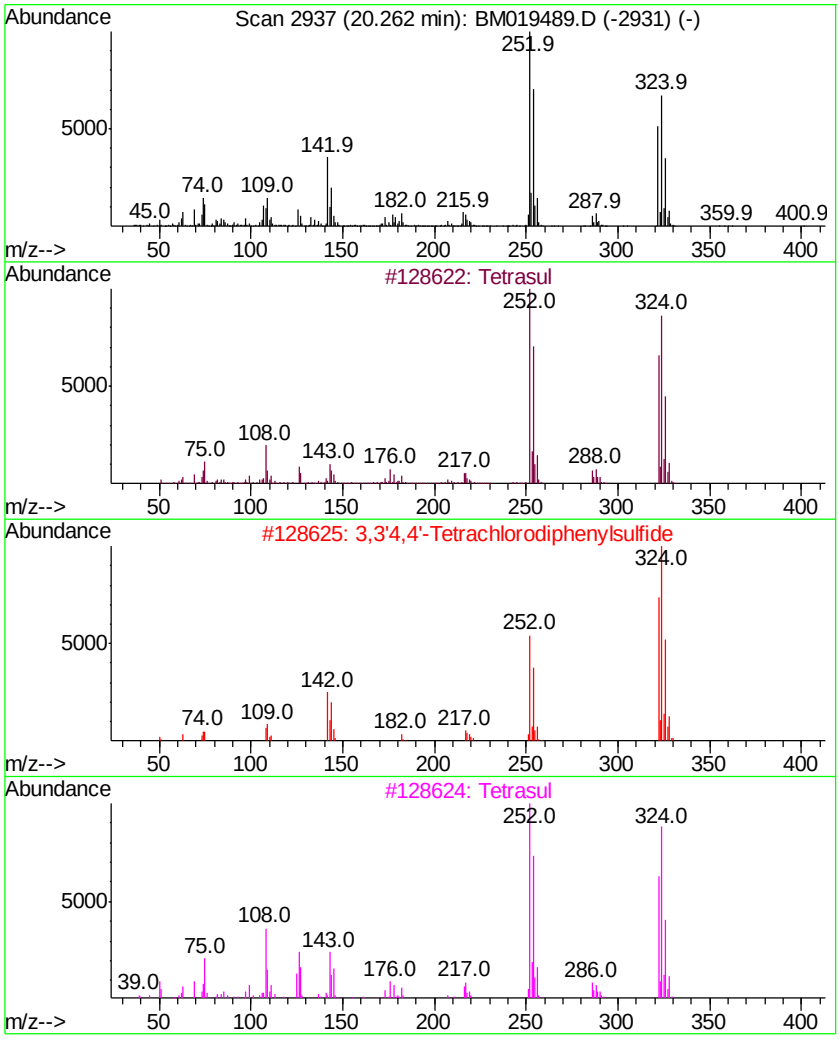
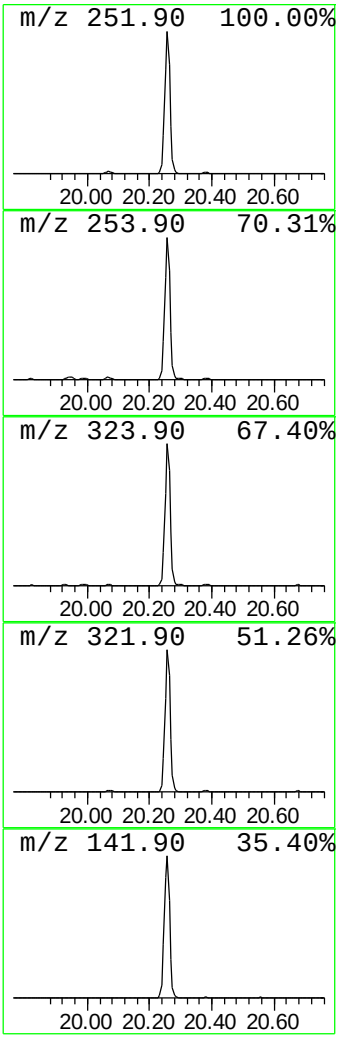
Peak Number 23 Tetrasul Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	21.20 ng/ul	3538870	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrasul	322	C12H6Cl4S	002227-13-6	99
2	3,3'4,4'-Tetrachlorodiphenylsulfide	322	C12H6Cl4S	076745-12-5	95
3	Tetrasul	322	C12H6Cl4S	002227-13-6	90
4	Tetrasul	322	C12H6Cl4S	002227-13-6	86
5	Dibenzo[b,E][1,4]dioxin, 2,7-dic...	252	C12H6Cl2O2	033857-26-0	42





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Instrument : BNA_M
ClientSampleId : C09C9

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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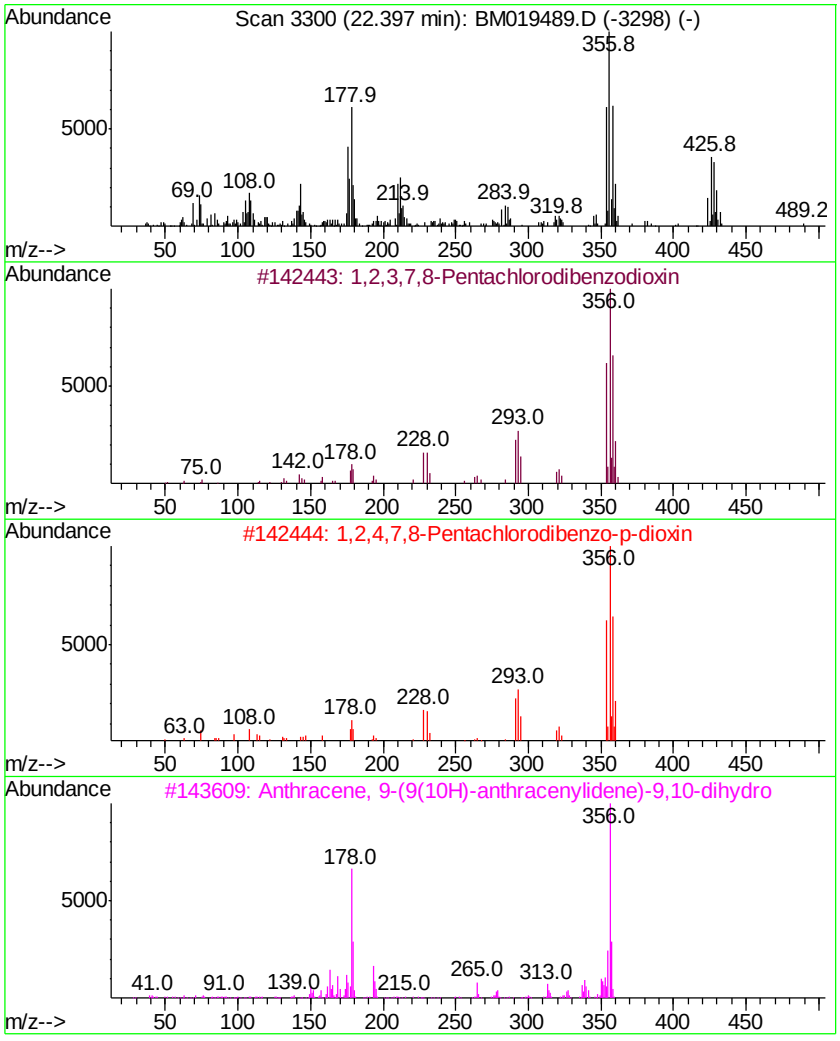
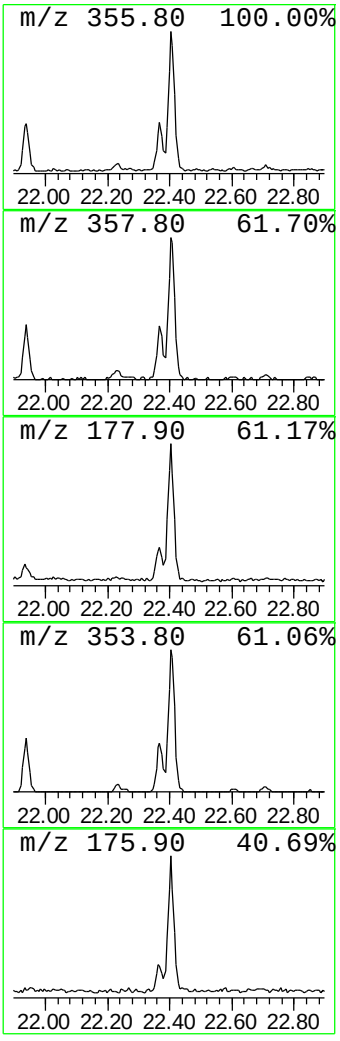
Peak Number 24 1,2,3,7,8-Pentachlorodibenz... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.40	4.65 ng/ul	598259	Perylene-d12	23.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,7,8-Pentachlorodibenzodioxin	354	C12H3Cl5O2	040321-76-4	89
2	1,2,4,7,8-Pentachlorodibenzo-p-d...	354	C12H3Cl5O2	058802-08-7	60
3	Anthracene, 9-(9(10H)-anthracenv...	356	C28H20	004364-45-8	16
4	Tetraphenylbutatriene	356	C28H20	001483-68-7	16
5	2-Chloro-4,6-bis(4-nitrophenyl)p...	356	C16H9ClN4O4	1000110-23-1	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032619\
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Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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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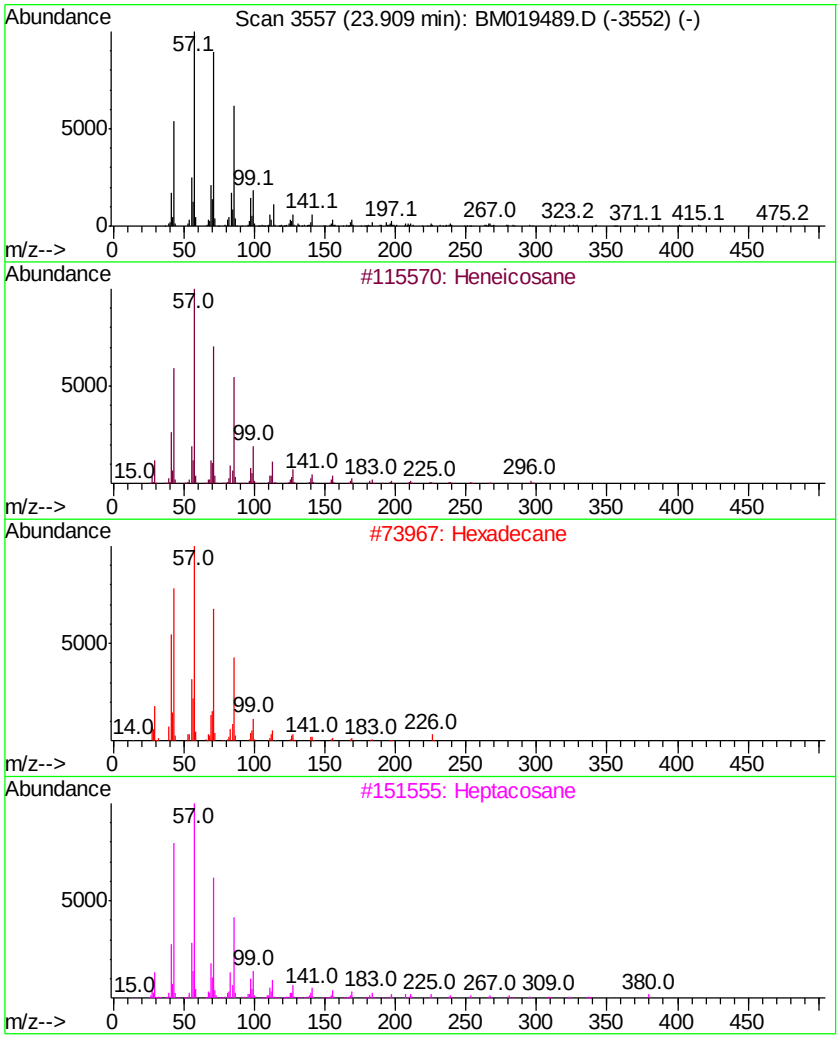
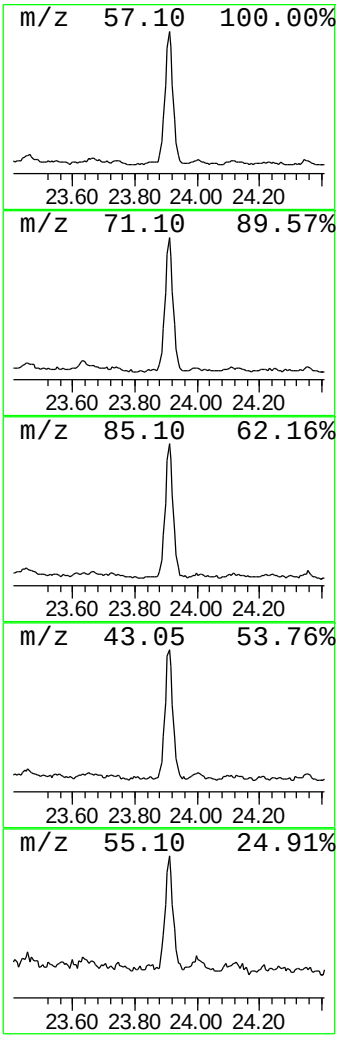
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.91	6.03 ng/ul	775385	Perylene-d12	23.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexadecane	226	C16H34	000544-76-3	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	86
5	Nonadecane	268	C19H40	000629-92-5	86





Tentatively Identified Compound (LSC) summary

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Data File : BM019489.D
Acq On : 27 Mar 2019 02:36
Operator : JU/SJ
Sample : K2069-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C9

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-	5.11	61.0	ng/ul	578011000	1	7.66	189556000	20.0
Benzene, 1,2-dich...	7.51	9.9	ng/ul	93852600	1	7.66	189556000	20.0
Benzene, 1-bromo-...	9.16	3.5	ng/ul	33326600	1	7.66	189556000	20.0
Benzene, 1-bromo-...	9.46	260.8	ng/ul	33256000	2	10.79	2550520	20.0
Benzene, 1,3,5-tr...	10.36	2156.8	ng/ul	275042000	2	10.79	2550520	20.0
Benzene, 1,2,3-tr...	11.03	4095.4	ng/ul	522266000	2	10.79	2550520	20.0
Benzene, 1,2,4-tr...	11.59	7.9	ng/ul	1004430	2	10.79	2550520	20.0
Benzene, 1-bromo-...	11.76	68.6	ng/ul	8753090	2	10.79	2550520	20.0
Benzene, 1,2,3-tr...	12.02	36.3	ng/ul	4630950	2	10.79	2550520	20.0
Benzene, 1,3-dich...	12.19	62.5	ng/ul	7967720	2	10.79	2550520	20.0
Benzene, 1,2,4-tr...	14.09	54.6	ng/ul	5401360	3	14.29	1979800	20.0
Alpha,alpha,2,3-t...	14.43	17.1	ng/ul	1690000	3	14.29	1979800	20.0
Benzene, 1,2,3,5-...	15.53	7.0	ng/ul	688074	3	14.29	1979800	20.0
(DEL) Alkane: Str...	15.96	5.0	ng/ul	611911	4	17.02	2451600	20.0
Benzene, pentachl...	16.03	27.7	ng/ul	3393390	4	17.02	2451600	20.0
9H-Fluoren-9-one	16.68	4.9	ng/ul	600291	4	17.02	2451600	20.0
Benzenesulfonamid...	16.84	21.3	ng/ul	2611930	4	17.02	2451600	20.0
unknown-01	16.92	5.3	ng/ul	646566	4	17.02	2451600	20.0
n-Hexadecanoic acid	17.90	7.5	ng/ul	925156	4	17.02	2451600	20.0
unknown-02	18.08	6.3	ng/ul	778812	4	17.02	2451600	20.0
4,4'-Dichlorodiph...	18.38	17.3	ng/ul	2122870	4	17.02	2451600	20.0
Tetrasul	20.26	21.2	ng/ul	3538870	5	21.22	3339160	20.0
1,2,3,7,8-Pentach...	22.40	4.7	ng/ul	598259	6	23.43	2573410	20.0
(DEL) Alkane: Str...	23.91	6.0	ng/ul	775385	6	23.43	2573410	20.0