LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032419\
Data File : BM019393.D
Acq On : 24 Mar 2019 15:49
Operator : JU/SJ
Sample : K2027-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C6

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	3.152	25	28	37	rVB	24220	35164	0.76%	0.080%
2	3.751	127	130	134	rVB2	7037	8899	0.19%	0.020%
3	4.951	327	334	349	rBV	2816108	4047341	87.84%	9.192%
4	6.592	609	613	619	rVB2	7650	13707	0.30%	0.031%
5	6.792	642	647	662	rVB2	80443	191849	4.16%	0.436%
6	6.957	669	675	693	rBV	317496	576799	12.52%	1.310%
7	7.139	700	706	725	rVB	373652	643923	13.98%	1.462%
8	7.492	759	766	775	rBV	717731	1112997	24.16%	2.528%
9	7.604	779	785	787	rVV	444113	657768	14.28%	1.494%
10	7.639	787	791	807	rVB	2922309	4607675	100.00%	10.464%
11	7.951	837	844	855	rBV	980097	1595908	34.64%	3.624%
12	8.322	901	907	924	rBV	236788	455850	9.89%	1.035%
13	8.775	978	984	1000	rBV	364255	687984	14.93%	1.562%
14	9.104	1035	1040	1046	rBV4	8948	15899	0.35%	0.036%
15	9.322	1072	1077	1081	rBV6	7293	12385	0.27%	0.028%
16	9.369	1081	1085	1092	rVB3	12122	22833	0.50%	0.052%
17	9.492	1099	1106	1122	rBV	308666	579454	12.58%	1.316%
18	10.022	1190	1196	1228	rBV	347016	872461	18.93%	1.981%
19	10.251	1228	1235	1251	rVB	677628	1100255	23.88%	2.499%
20	10.386	1251	1258	1269	rBV	586741	979544	21.26%	2.225%
21	10.598	1288	1294	1304	rBV2	14381	40785	0.89%	0.093%
22	10.775	1317	1324	1332	rBV	62394	108166	2.35%	0.246%
23	12.016	1531	1535	1540	rBV2	3325	6429	0.14%	0.015%
24	12.463	1605	1611	1613	rBV3	5442	9386	0.20%	0.021%
25	13.063	1708	1713	1719	rBV3	15680	25348	0.55%	0.058%
26	13.686	1812	1819	1825	rBV	1047281	1507937	32.73%	3.425%
27	13.957	1858	1865	1878	rBV	1260346	1809673	39.28%	4.110%
28	14.263	1911	1917	1931	rVB2	837895	1306684	28.36%	2.968%
29	14.545	1957	1965	1975	rBV2	19402	57916	1.26%	0.132%
30	14.845	2012	2016	2019	rBV4	4329	7583	0.16%	0.017%
31	15.057	2048	2052	2056	rBV2	4398	5145	0.11%	0.012%
32	15.104	2058	2060	2066	rVB3	3973	4987	0.11%	0.011%
33	15.262	2081	2087	2106	rBV	1632017	2379307	51.64%	5.404%
34	15.410	2106	2112	2126	rVV	395132	647181	14.05%	1.470%

LSC Area Percent Report

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Acq On : 24 Mar 2019 15:49
Operator : JU/SJ
Sample : K2027-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C6

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	15.510	2126	2129	2136	rVB3	17536	25316	0.55%	0.057%
36	16.057	2219	2222	2225	rBV3	5664	6401	0.14%	0.015%
37	16.821	2348	2352	2358	rVB2	4050	6439	0.14%	0.015%
38	17.021	2380	2386	2397	rBV2	1104485	1539838	33.42%	3.497%
39	17.121	2397	2403	2420	rVV	1877527	2772524	60.17%	6.297%
40	17.915	2533	2538	2547	rBV	161573	269097	5.84%	0.611%
41	19.062	2729	2733	2742	rVV2	24448	47876	1.04%	0.109%
42	19.203	2752	2757	2770	rBV	129130	231082	5.02%	0.525%
43	19.315	2773	2776	2780	rVB2	17718	23792	0.52%	0.054%
44	19.427	2789	2795	2806	rBV	2508094	3339949	72.49%	7.585%
45	20.462	2967	2971	2975	rBV5	13955	25221	0.55%	0.057%
46	20.933	3047	3051	3060	rBV3	50986	107942	2.34%	0.245%
47	21.227	3096	3101	3111	rBV	1393552	1899052	41.21%	4.313%
48	21.362	3121	3124	3128	rBV2	67579	77642	1.69%	0.176%
49	21.791	3193	3197	3201	rBV2	119387	148342	3.22%	0.337%
50	22.244	3270	3274	3282	rVB	221697	267831	5.81%	0.608%
51	22.738	3354	3358	3364	rVB	245742	365856	7.94%	0.831%
52	23.297	3447	3453	3469	rVB2	2263126	4115469	89.32%	9.347%
53	23.444	3471	3478	3489	rVB2	1020860	1951113	42.34%	4.431%
54	23.927	3555	3560	3569	rVB	233018	409811	8.89%	0.931%
55	24.656	3680	3684	3692	rVB4	129915	266284	5.78%	0.605%

Sum of corrected areas: 44032099

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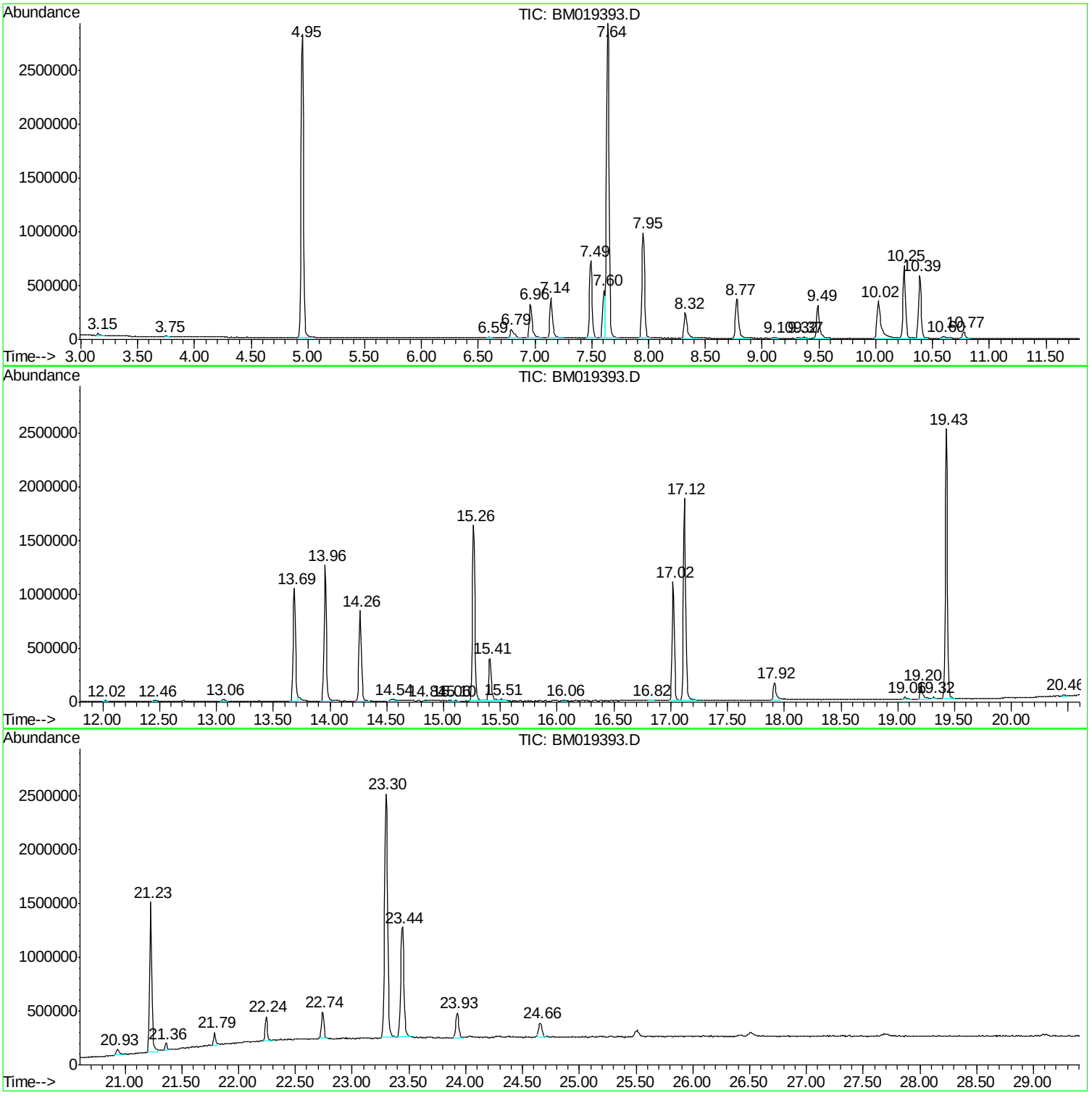
Data File : BM019393.D
Acq On : 24 Mar 2019 15:49
Operator : JU/SJ
Sample : K2027-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C09C6

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

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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

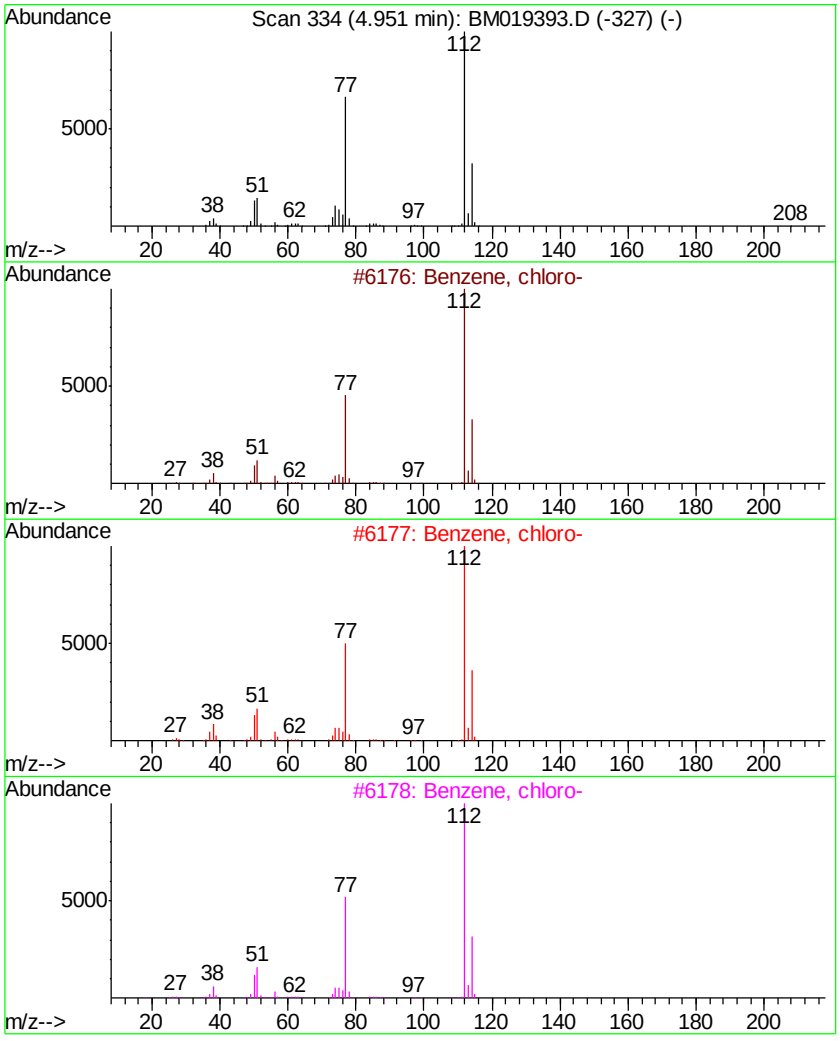
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

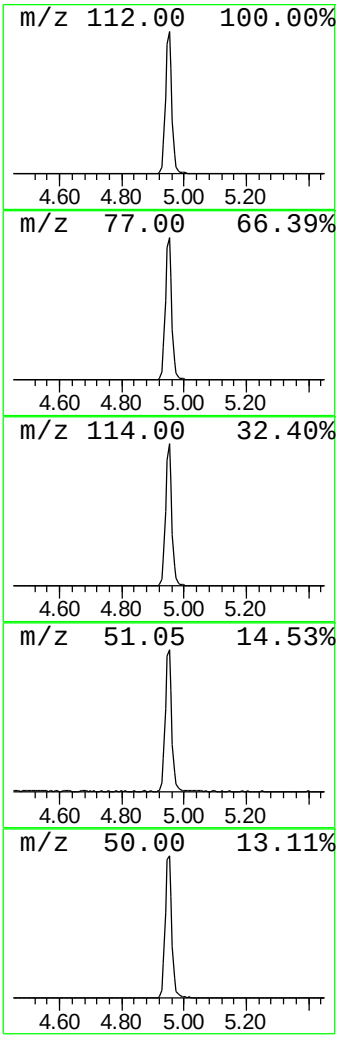
****

Peak Number 1 Benzene, chloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	123.06 ng/ul	4047340	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, chloro-	112	C6H5Cl	000108-90-7	95
2	Benzene, chloro-	112	C6H5Cl	000108-90-7	95
3	Benzene, chloro-	112	C6H5Cl	000108-90-7	95
4	Benzene, chloro-	112	C6H5Cl	000108-90-7	94
5	Phenol, 4-fluoro-	112	C6H5FO	000371-41-5	38





Library Search Compound Report

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Data File : BM019393.D
Acq On : 24 Mar 2019 15:49
Operator : JU/SJ
Sample : K2027-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C6

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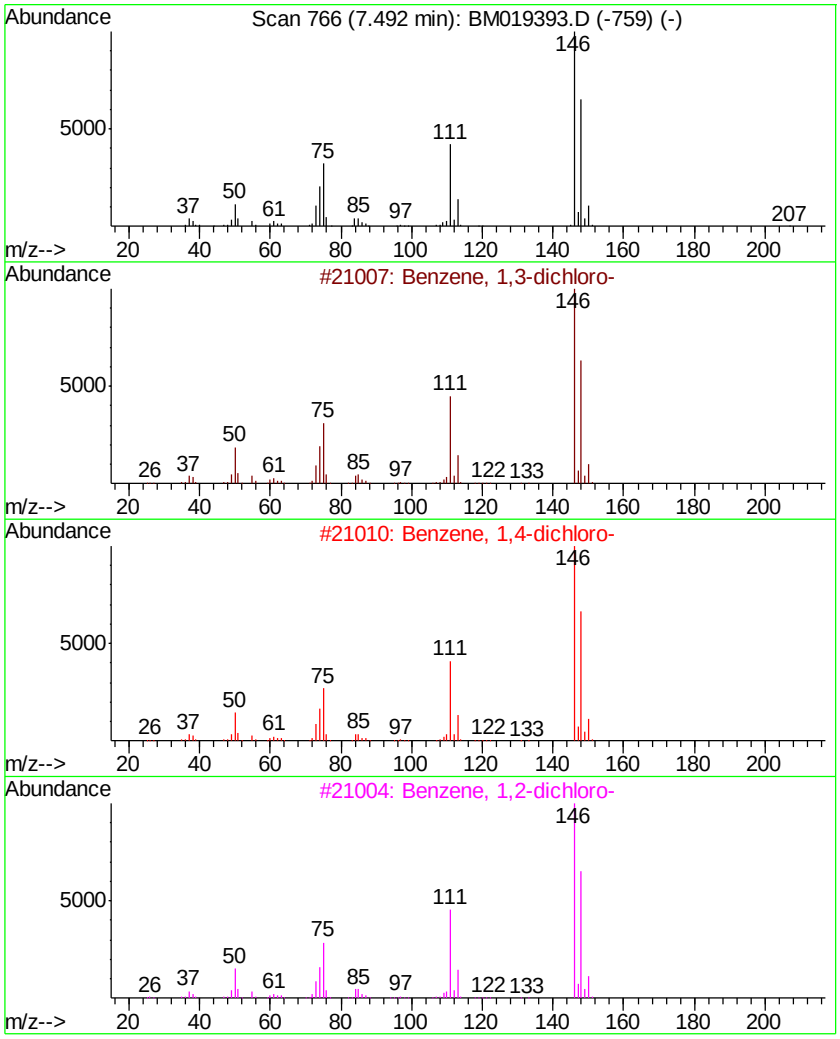
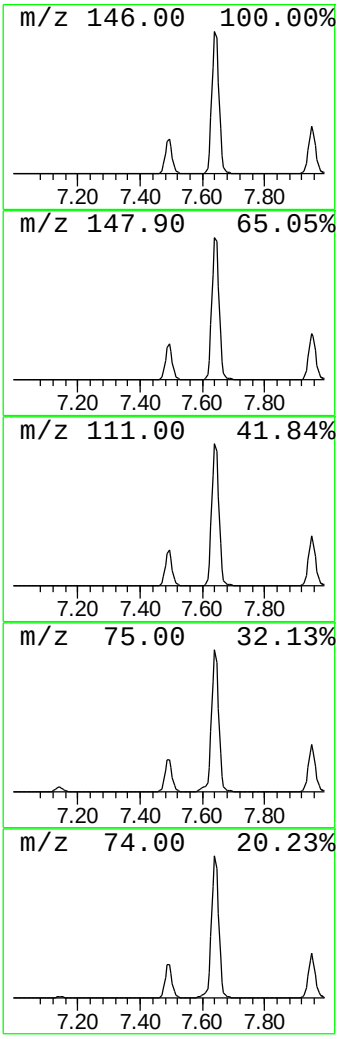
Peak Number 2 Benzene, 1,3-dichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	33.84 ng/ul	1113000	1,4-Dichlorobenzene-d4	7.60

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	96
3	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	96
4	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	96
5	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032419\
Data File : BM019393.D
Acq On : 24 Mar 2019 15:49
Operator : JU/SJ
Sample : K2027-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C6

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

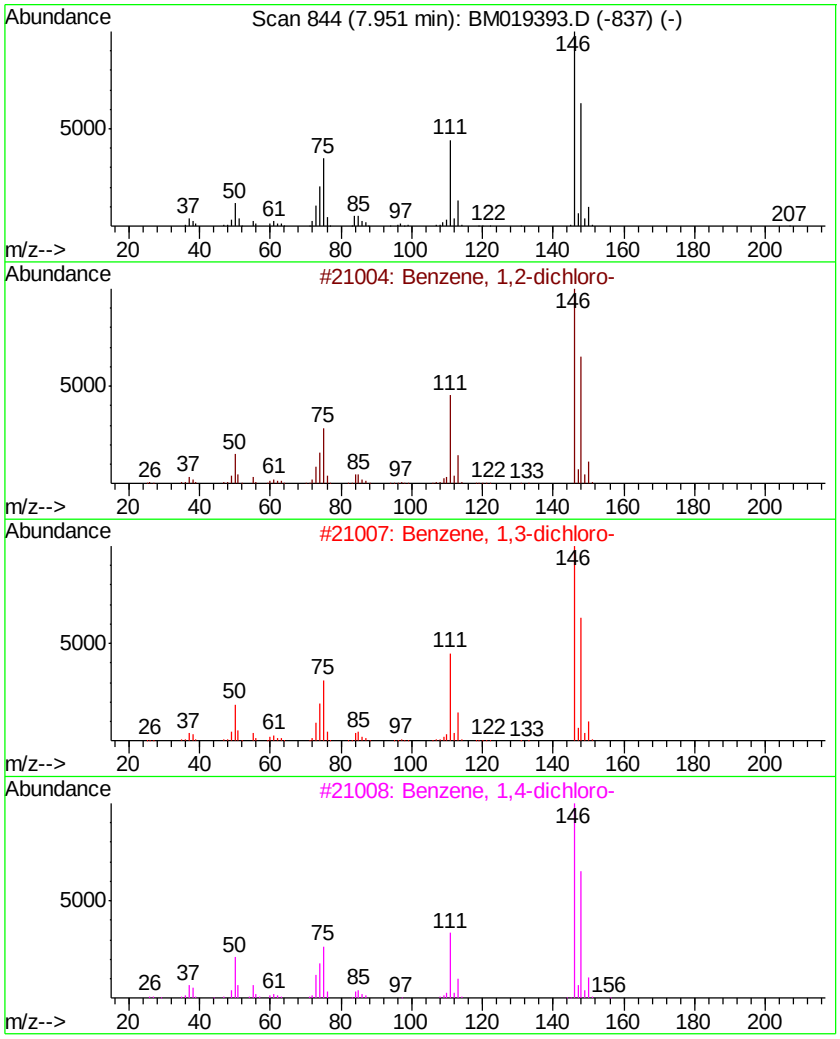
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

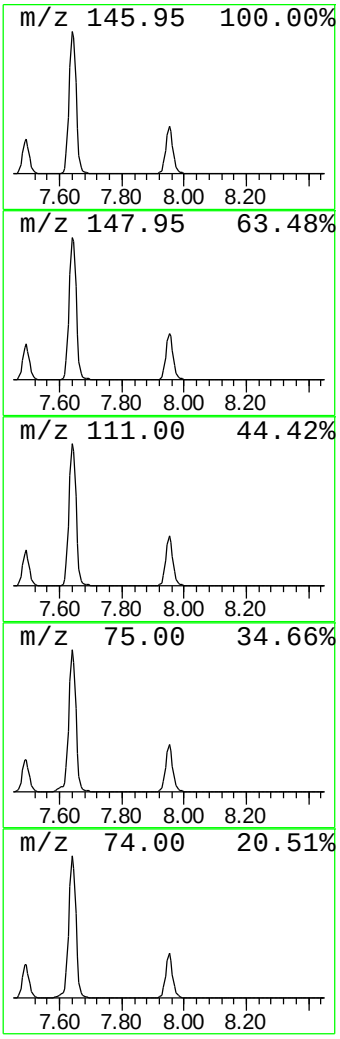
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	48.53 ng/ul	1595910	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	98
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, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	95





Library Search Compound Report

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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C6

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

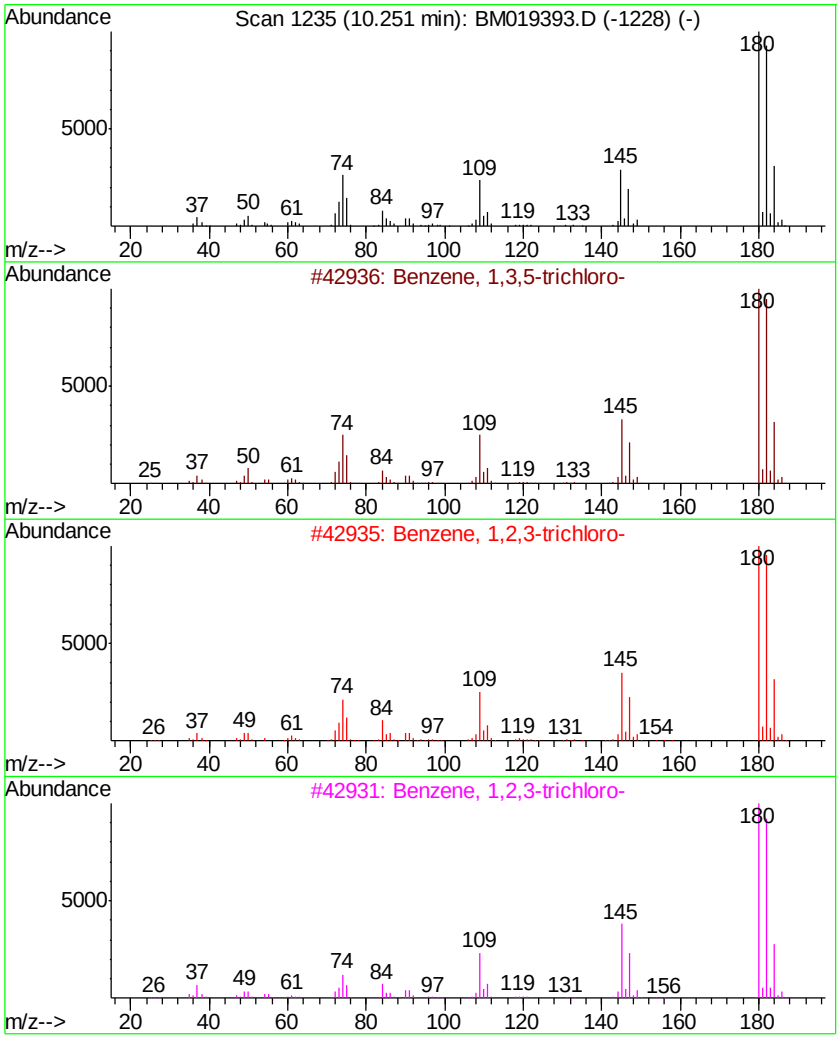
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

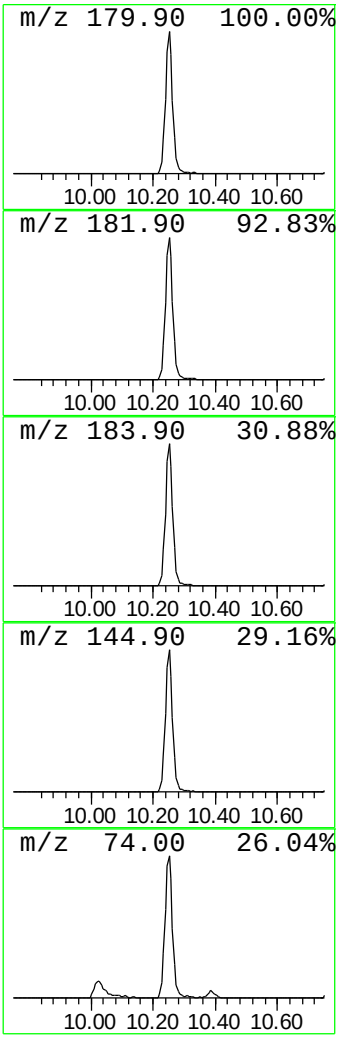
****

Peak Number 4 Benzene, 1,3,5-trichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	22.46 ng/ul	1100260	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, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
4	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
5	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	96





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Operator : JU/SJ
Sample : K2027-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C6

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

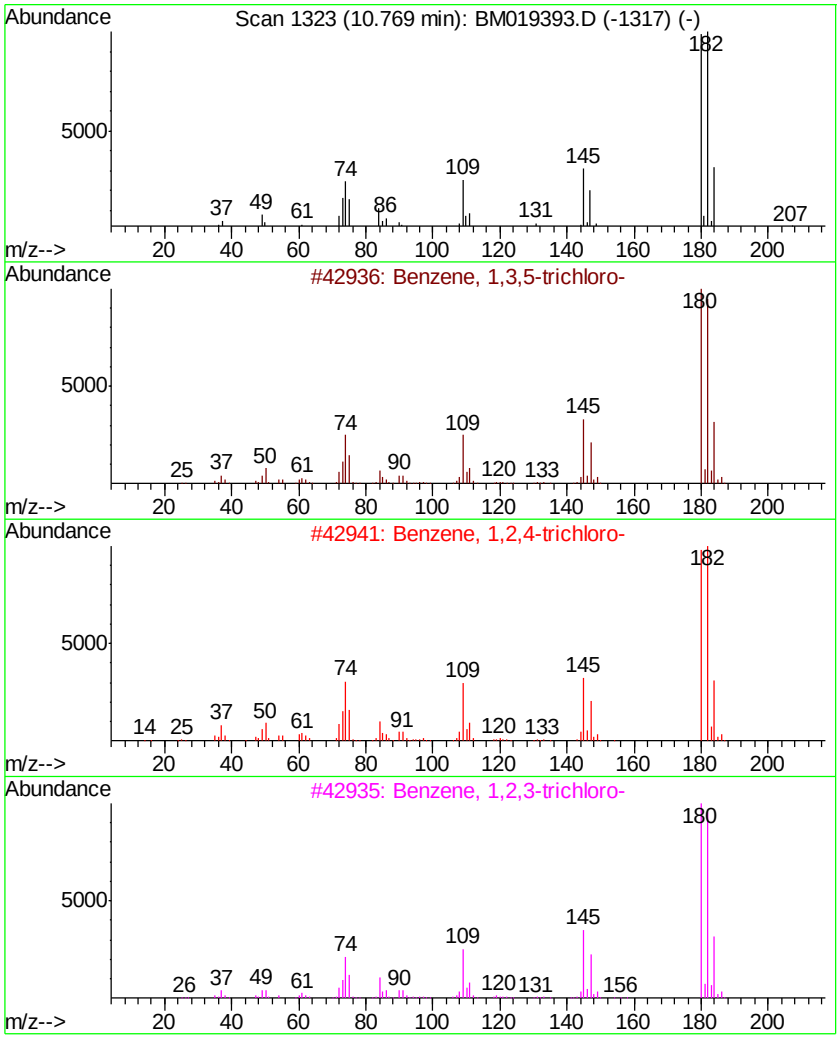
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

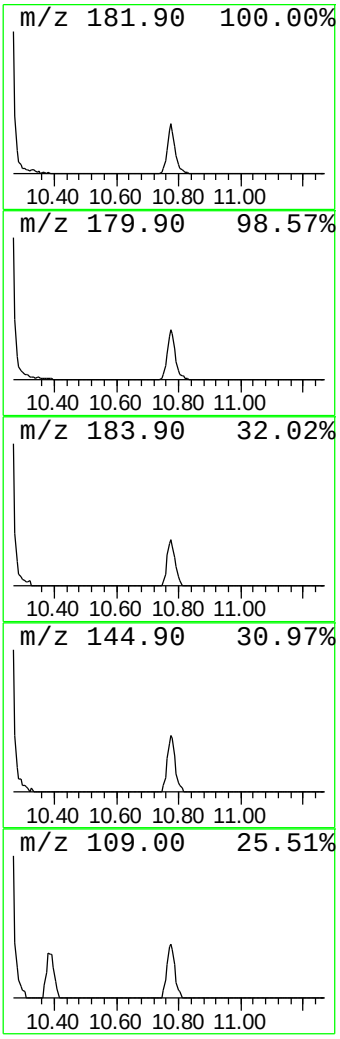
****

Peak Number 5 Benzene, 1,2,4-trichloro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	2.21 ng/ul	108166	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, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	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
ClientSampleId : C09C6

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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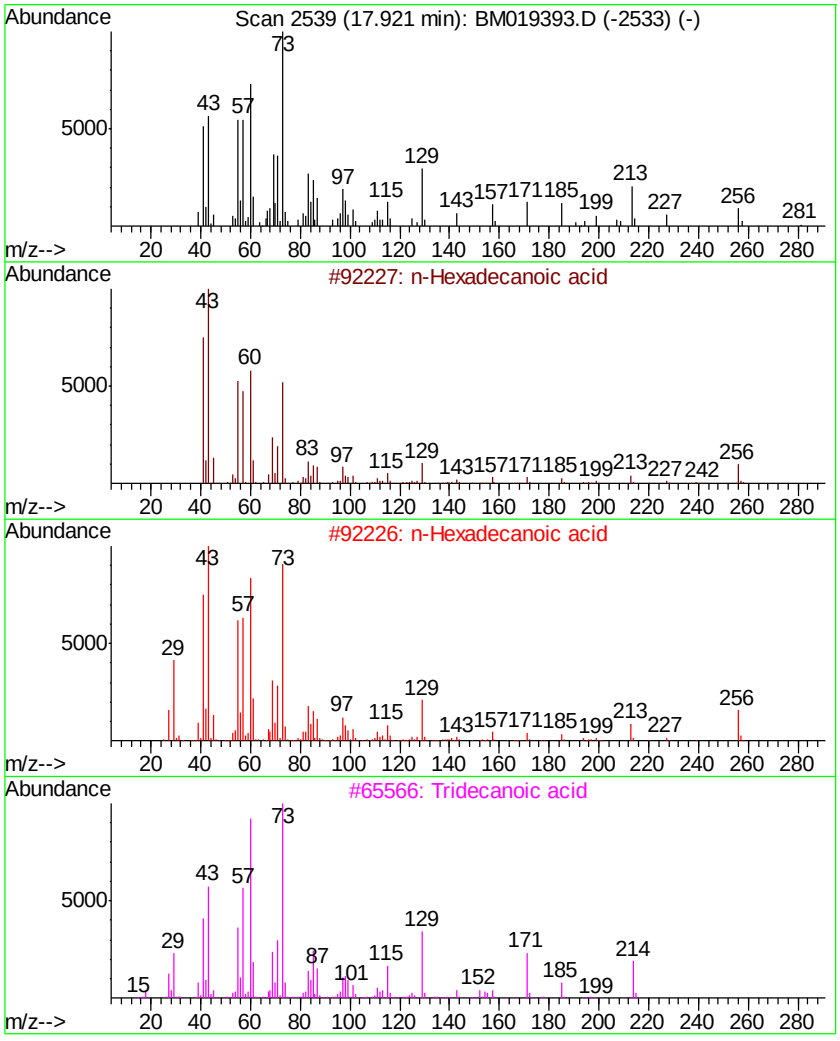
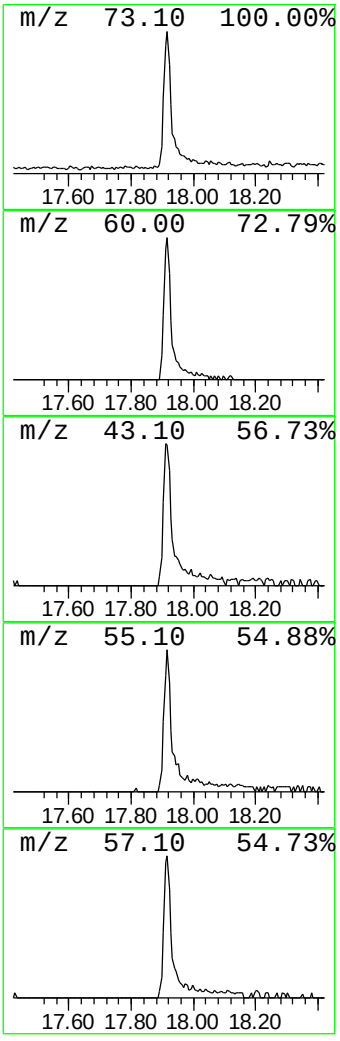
Peak Number 6 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	3.50 ng/ul	269097	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Tridecanoic acid	214	C13H26O2	000638-53-9	80
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	78
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





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Data File : BM019393.D
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Sample : K2027-12
Misc :
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Instrument : BNA_M
ClientSampleId : C09C6

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

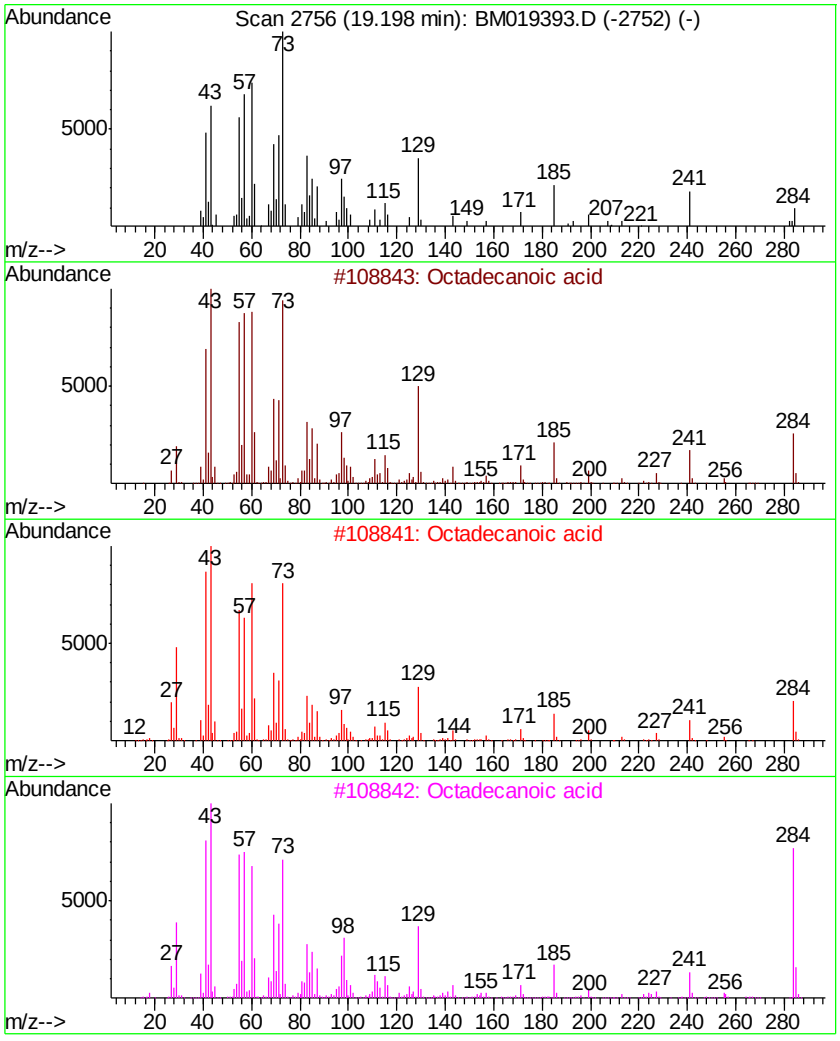
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

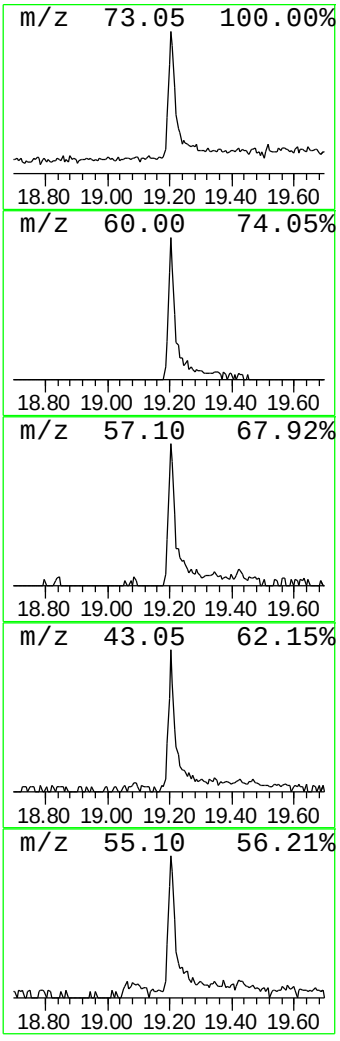
****

Peak Number 7 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	2.43 ng/ul	231082	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Octadecanoic acid	284	C18H36O2	000057-11-4	95
3	Octadecanoic acid	284	C18H36O2	000057-11-4	86
4	Octadecanoic acid	284	C18H36O2	000057-11-4	83
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032419\
Data File : BM019393.D
Acq On : 24 Mar 2019 15:49
Operator : JU/SJ
Sample : K2027-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C6

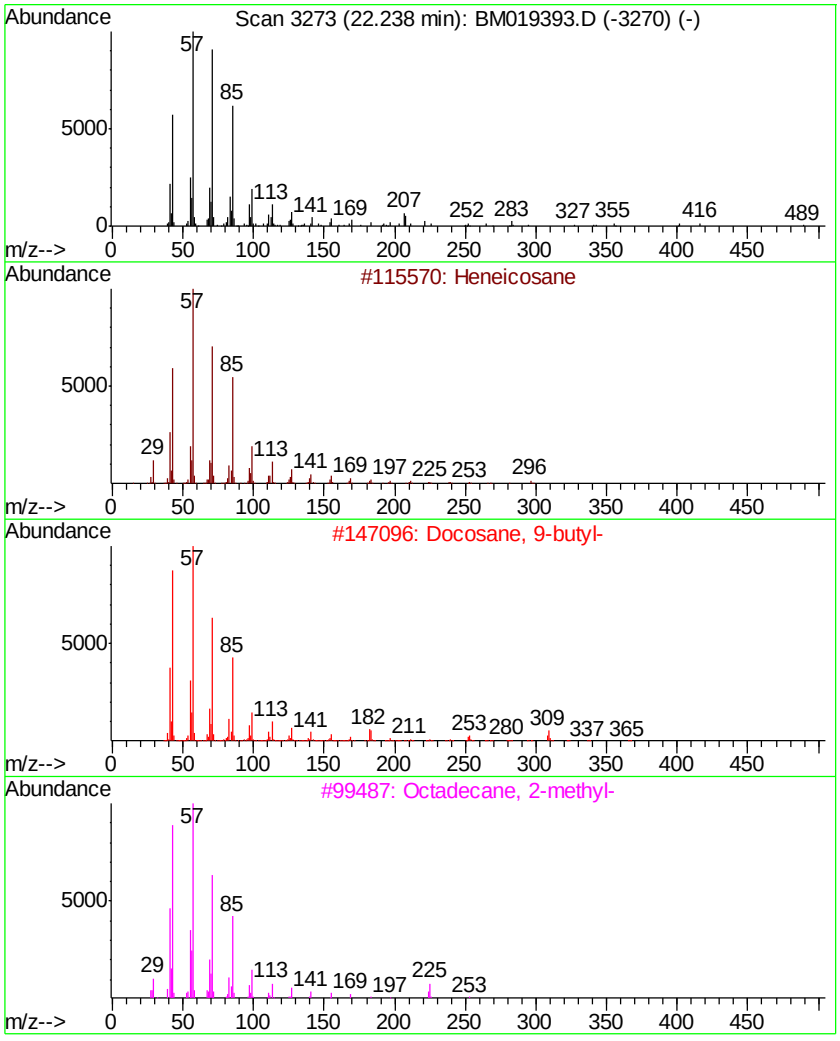
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

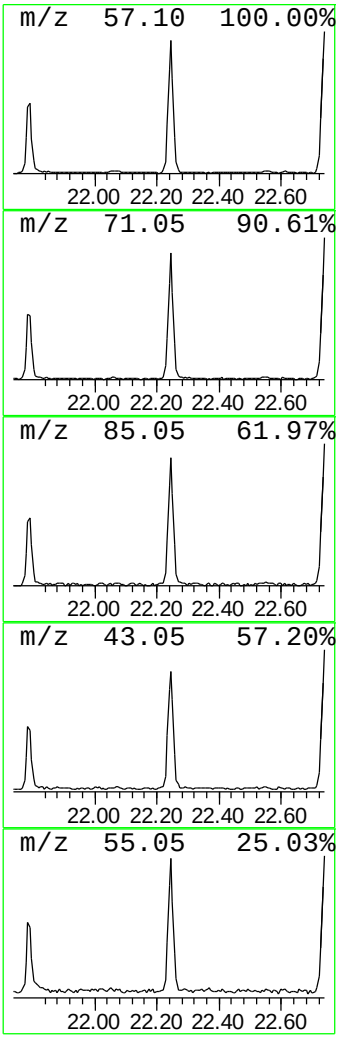
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.24	2.82 ng/ul	267831	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Docosane, 9-butyl-	366	C26H54	055282-14-9	90
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
4	Hexadecane	226	C16H34	000544-76-3	87
5	Octadecane	254	C18H38	000593-45-3	87





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Acq On : 24 Mar 2019 15:49
Operator : JU/SJ
Sample : K2027-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C6

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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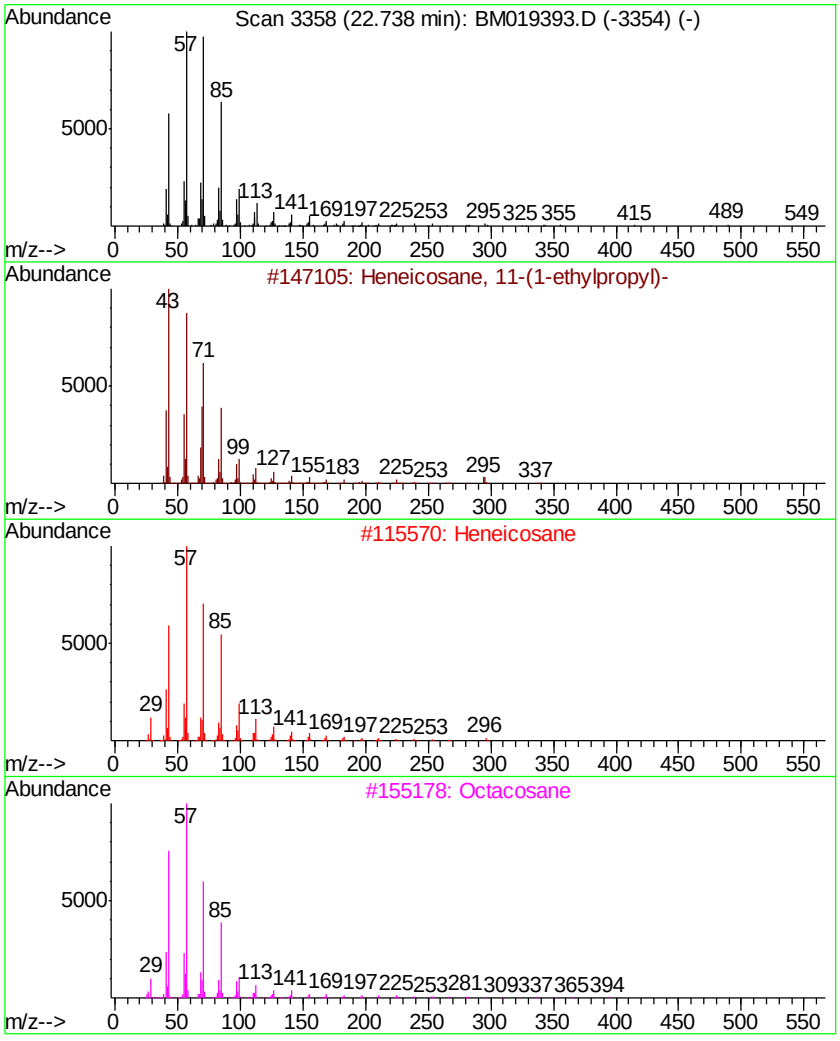
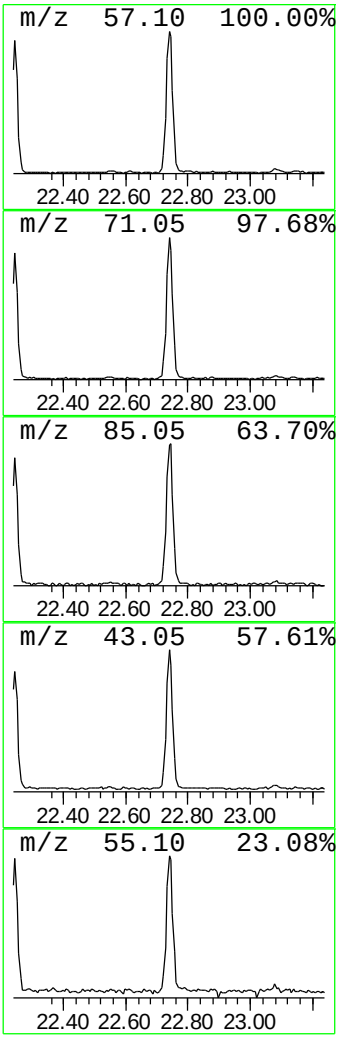
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.74	3.75 ng/ul	365856	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
2	Heneicosane	296	C21H44	000629-94-7	87
3	Octacosane	394	C28H58	000630-02-4	83
4	Hexadecane	226	C16H34	000544-76-3	81
5	Nonadecane	268	C19H40	000629-92-5	72





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Data File : BM019393.D
Acq On : 24 Mar 2019 15:49
Operator : JU/SJ
Sample : K2027-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C6

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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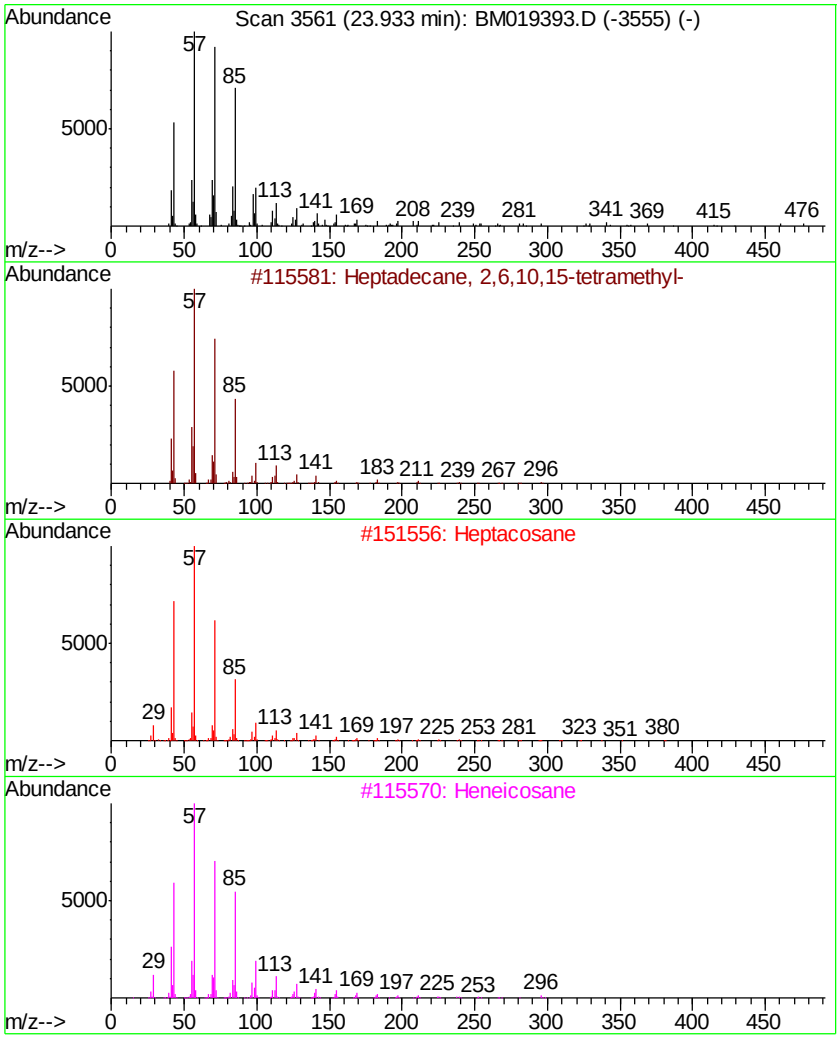
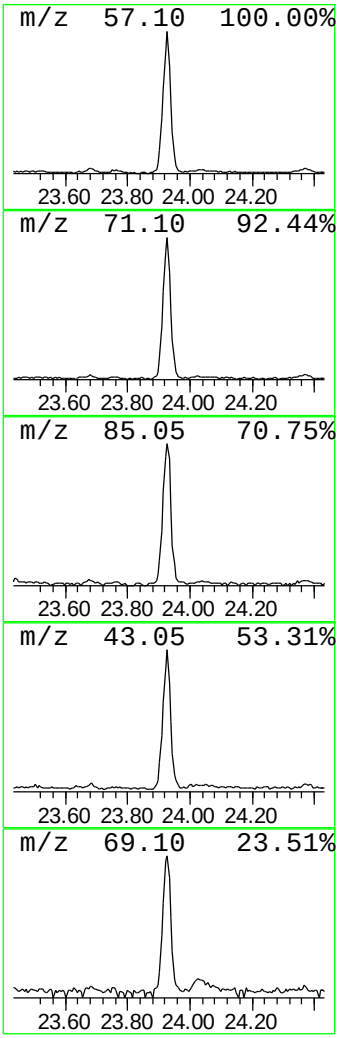
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.93	4.20 ng/ul	409811	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
2	Heptacosane	380	C27H56	000593-49-7	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032419\
Data File : BM019393.D
Acq On : 24 Mar 2019 15:49
Operator : JU/SJ
Sample : K2027-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C6

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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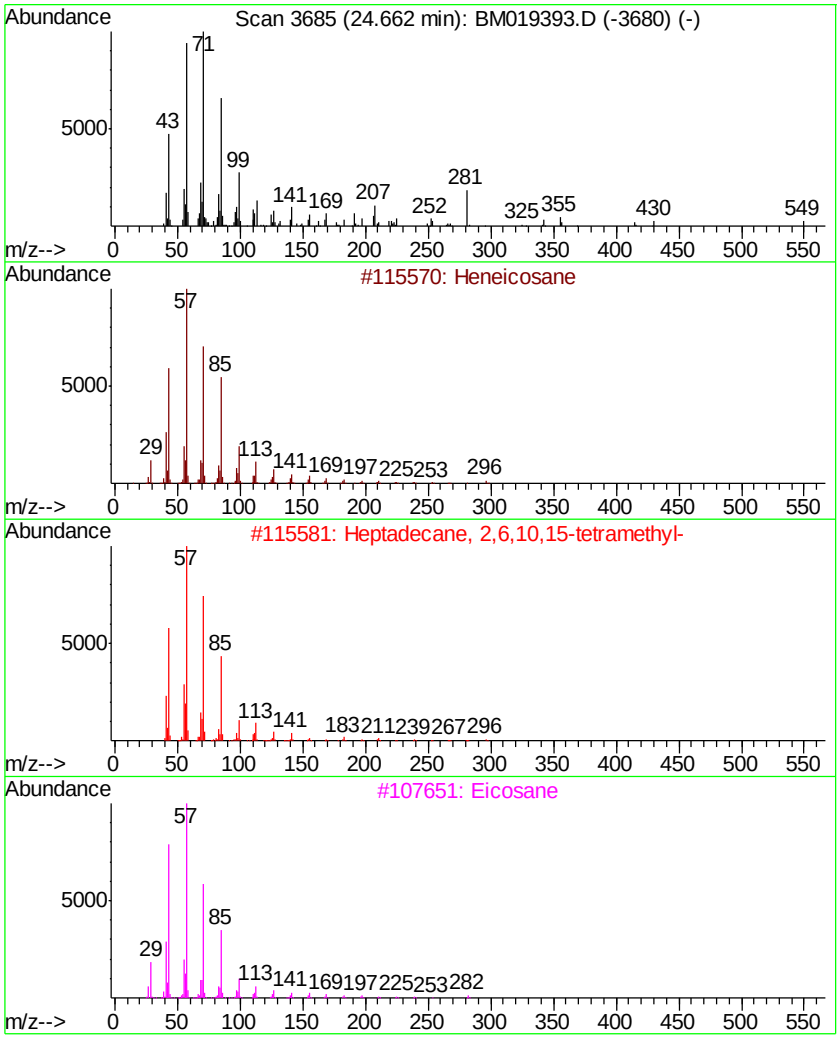
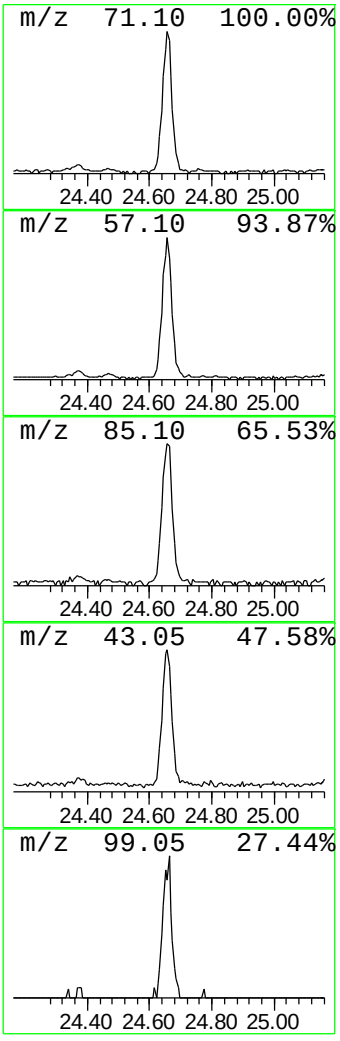
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.66	2.73 ng/ul	266284	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
3	Eicosane	282	C20H42	000112-95-8	90
4	Eicosane, 2-methyl-	296	C21H44	001560-84-5	90
5	Eicosane	282	C20H42	000112-95-8	87





Tentatively Identified Compound (LSC) summary

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Data File : BM019393.D
Acq On : 24 Mar 2019 15:49
Operator : JU/SJ
Sample : K2027-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C09C6

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-	4.95	123.1	ng/ul	4047340	1	7.60	657768	20.0
Benzene, 1,3-dich...	7.49	33.8	ng/ul	1113000	1	7.60	657768	20.0
Benzene, 1,2-dich...	7.95	48.5	ng/ul	1595910	1	7.60	657768	20.0
Benzene, 1,3,5-tr...	10.25	22.5	ng/ul	1100260	2	10.39	979544	20.0
Benzene, 1,2,4-tr...	10.77	2.2	ng/ul	108166	2	10.39	979544	20.0
n-Hexadecanoic acid	17.92	3.5	ng/ul	269097	4	17.02	1539840	20.0
Octadecanoic acid	19.20	2.4	ng/ul	231082	5	21.23	1899050	20.0
(DEL) Alkane: Str...	22.24	2.8	ng/ul	267831	5	21.23	1899050	20.0
(DEL) Alkane: Str...	22.74	3.8	ng/ul	365856	6	23.44	1951110	20.0
(DEL) Alkane: Str...	23.93	4.2	ng/ul	409811	6	23.44	1951110	20.0
(DEL) Alkane: Str...	24.66	2.7	ng/ul	266284	6	23.44	1951110	20.0