LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

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-BM111119MA.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	3.757	143	148	154	rBV	272897	365118	0.21%	0.095%
2	5.051	361	368	373	rVB	174710	276795	0.16%	0.072%
3	5.181	385	390	402	rVB	416494	889489	0.51%	0.232%
4	5.545	442	452	458	rVB3	241012	515330	0.30%	0.134%
5	6.610	628	633	638	rVV	260350	395585	0.23%	0.103%
6	6.698	638	648	664	rVB3	865879	2185813	1.26%	0.569%
7	6.857	667	675	680	rBV	643203	1067865	0.61%	0.278%
8	7.045	701	707	719	rVB	935731	1504667	0.87%	0.392%
9	7.157	719	726	733	rBV2	376003	704493	0.41%	0.183%
10	7.504	777	785	792	rBV	1311624	2091260	1.20%	0.544%
11	8.057	874	879	884	rVB	121111	193705	0.11%	0.050%
12	8.145	889	894	901	rBV2	158547	254252	0.15%	0.066%
13	8.228	901	908	914	rBV	874375	1466690	0.84%	0.382%
14	8.333	920	926	936	rVB	134003	280437	0.16%	0.073%
15	8.610	965	973	976	rBV	140530	233754	0.13%	0.061%
16	8.657	976	981	991	rVV	791226	1376472	0.79%	0.358%
17	8.739	991	995	1002	rVB	184469	272216	0.16%	0.071%
18	9.375	1094	1103	1111	rBV	693249	1189733	0.68%	0.310%
19	9.916	1186	1195	1203	rBV	1080662	1849811	1.06%	0.482%
20	10.280	1250	1257	1262	rBV	1993946	3217317	1.85%	0.838%
21	10.327	1262	1265	1274	rVB	186601	309475	0.18%	0.081%
22	10.427	1274	1282	1304	rVB	590074	1268811	0.73%	0.330%
23	11.739	1500	1505	1513	rVB	150899	233837	0.13%	0.061%
24	11.957	1535	1542	1552	rVB	233820	391076	0.22%	0.102%
25	13.004	1712	1720	1728	rBV2	165976	276959	0.16%	0.072%
26	13.586	1814	1819	1824	rVV	1927797	2657449	1.53%	0.692%
27	13.633	1824	1827	1833	rVB	503293	635843	0.37%	0.166%
28	13.745	1838	1846	1852	rVB3	96943	260964	0.15%	0.068%
29	13.857	1857	1865	1878	rBV	2415960	3693431	2.12%	0.961%
30	14.092	1897	1905	1910	rBV2	140816	228837	0.13%	0.060%
31	14.168	1910	1918	1925	rBV	2843655	4499010	2.59%	1.171%
32	14.410	1950	1959	1972	rBV2	393259	923629	0.53%	0.240%
33	14.574	1980	1987	1990	rBV2	112433	218438	0.13%	0.057%
34	15.168	2082	2088	2094	rBV	3170106	4440185	2.55%	1.156%

LSC Area Percent Report

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Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

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-BM111119MA.M
Title : SVOA CALIBRATION

35	15.221	2094	2097	2101	rVB	171868	219199	0.13%	0.057%
36	15.304	2107	2111	2117	rVB	344195	477514	0.27%	0.124%
37	15.915	2212	2215	2226	rVB4	156012	330863	0.19%	0.086%
38	16.162	2253	2257	2263	rVB2	130729	191298	0.11%	0.050%
39	16.456	2300	2307	2312	rBV2	1345906	2198877	1.26%	0.572%
40	16.580	2324	2328	2335	rVB	346129	454958	0.26%	0.118%
41	16.704	2344	2349	2354	rBV	4819316	5981254	3.44%	1.557%
42	16.809	2362	2367	2370	rBV	1555371	1962528	1.13%	0.511%
43	16.839	2370	2372	2378	rVB	326708	406667	0.23%	0.106%
44	16.921	2380	2386	2389	rBV	3800358	5629392	3.24%	1.465%
45	16.962	2389	2393	2398	rVB2	2356542	3499222	2.01%	0.911%
46	17.021	2398	2403	2407	rBV2	3223115	4668023	2.68%	1.215%
47	17.104	2412	2417	2426	rVB	3889070	5391354	3.10%	1.403%
48	17.327	2453	2455	2460	rVB	146017	184103	0.11%	0.048%
49	17.380	2460	2464	2467	rBV	768955	1056970	0.61%	0.275%
50	17.409	2467	2469	2473	rVB	732617	823424	0.47%	0.214%
51	17.533	2482	2490	2496	rBV	13373249	19828873	11.40%	5.162%
52	17.639	2502	2508	2516	rVB4	2234122	4126774	2.37%	1.074%
53	17.721	2518	2522	2526	rBV	607885	776156	0.45%	0.202%
54	17.774	2526	2531	2536	rBV	4798172	6714355	3.86%	1.748%
55	17.833	2536	2541	2549	rVV2	2324431	4028947	2.32%	1.049%
56	17.909	2550	2554	2556	rVV	1070046	1302873	0.75%	0.339%
57	17.939	2556	2559	2563	rVV2	871414	1173211	0.67%	0.305%
58	17.998	2564	2569	2575	rVV	7048824	10266997	5.90%	2.673%
59	18.062	2575	2580	2583	rVV	5901467	7762546	4.46%	2.021%
60	18.103	2583	2587	2592	rVB	3937402	4901075	2.82%	1.276%
61	18.286	2613	2618	2623	rBV	7828145	11091092	6.38%	2.887%
62	18.333	2623	2626	2631	rVV	3092557	4036129	2.32%	1.051%
63	18.392	2631	2636	2639	rVV	1652107	2389608	1.37%	0.622%
64	18.427	2639	2642	2645	rVV	2790816	3453523	1.99%	0.899%
65	18.462	2645	2648	2655	rVB	5350861	6969037	4.01%	1.814%
66	18.562	2661	2665	2670	rVB	1564864	2003574	1.15%	0.522%
67	18.721	2689	2692	2697	rVB3	267181	370321	0.21%	0.096%
68	18.780	2698	2702	2706	rVV	1077922	1460800	0.84%	0.380%
69	18.833	2707	2711	2713	rVV	951447	1460714	0.84%	0.380%
70	18.862	2713	2716	2723	rVB2	1407249	2365625	1.36%	0.616%
71	18.992	2733	2738	2745	rVB	3199514	4223797	2.43%	1.099%

LSC Area Percent Report

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Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

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-BM111119MA.M
Title : SVOA CALIBRATION

72	19.139	2760	2763	2770	rBV3	496263	682759	0.39%	0.178%
73	19.286	2786	2788	2790	rBV2	250996	236723	0.14%	0.062%
74	19.327	2790	2795	2798	rVV	4630808	6707432	3.86%	1.746%
75	19.356	2798	2800	2804	rVB	2439854	2627752	1.51%	0.684%
76	20.303	2952	2961	2966	rBV4	66995623	173909432	100.00%	45.270%
77	20.339	2966	2967	2973	rVB	475523	485169	0.28%	0.126%
78	21.062	3087	3090	3095	rBV	1532594	1926071	1.11%	0.501%
79	21.127	3096	3101	3105	rVV2	4880884	7965366	4.58%	2.073%
80	21.168	3105	3108	3114	rVB	1446609	1879222	1.08%	0.489%
81	22.238	3286	3290	3295	rVB	2236200	2969075	1.71%	0.773%
82	23.144	3440	3444	3449	rBV	2989972	4805465	2.76%	1.251%
83	23.280	3462	3467	3473	rVB	3111495	5411332	3.11%	1.409%

Sum of corrected areas: 384156217

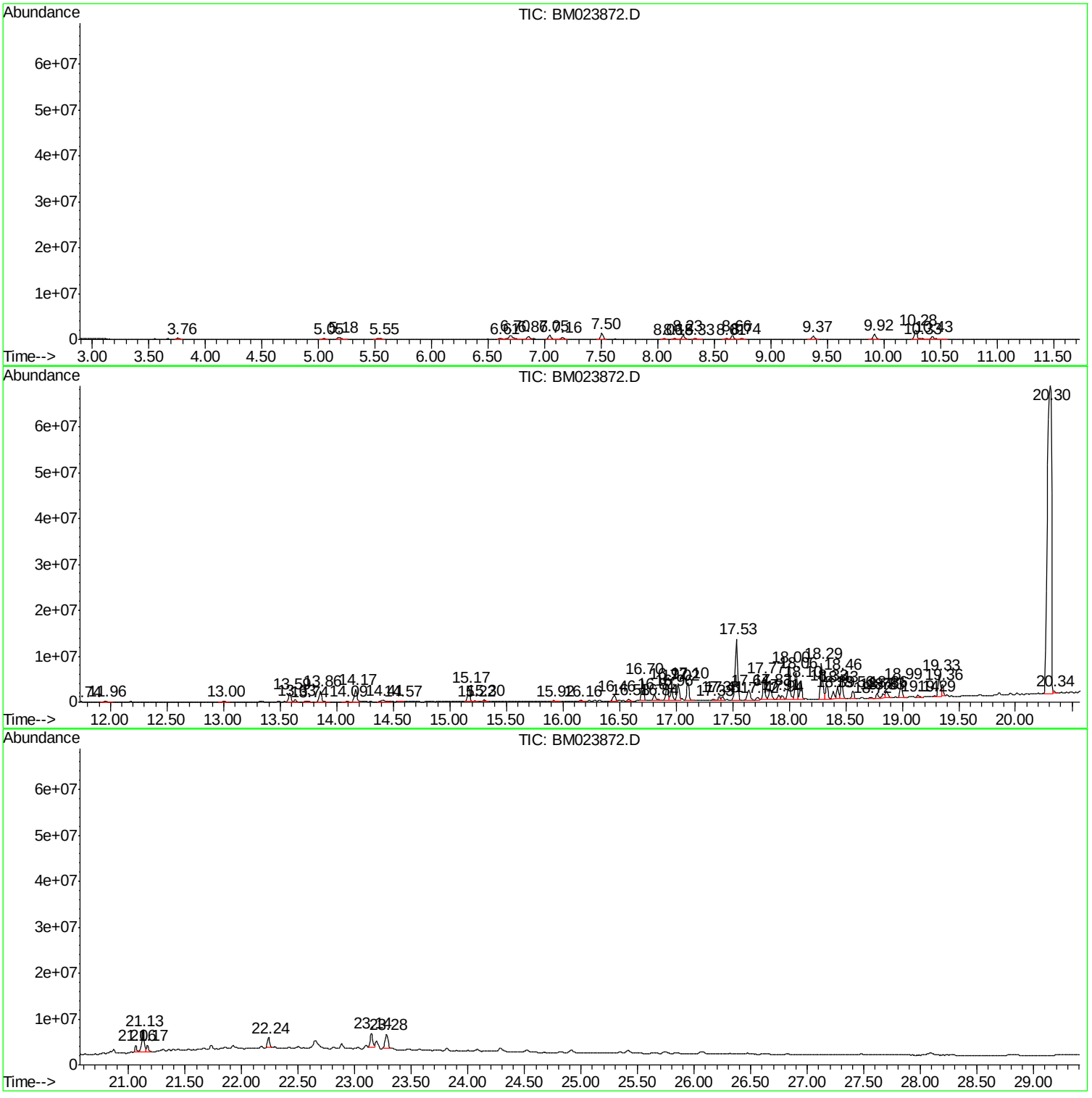
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

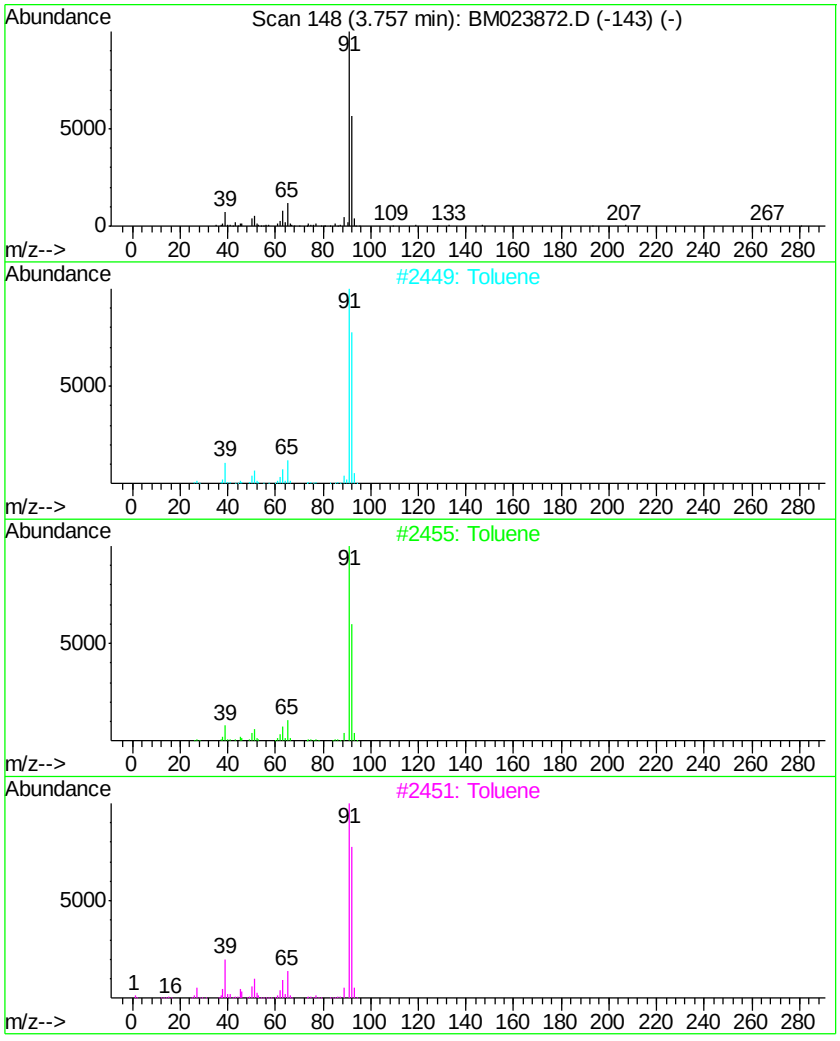
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

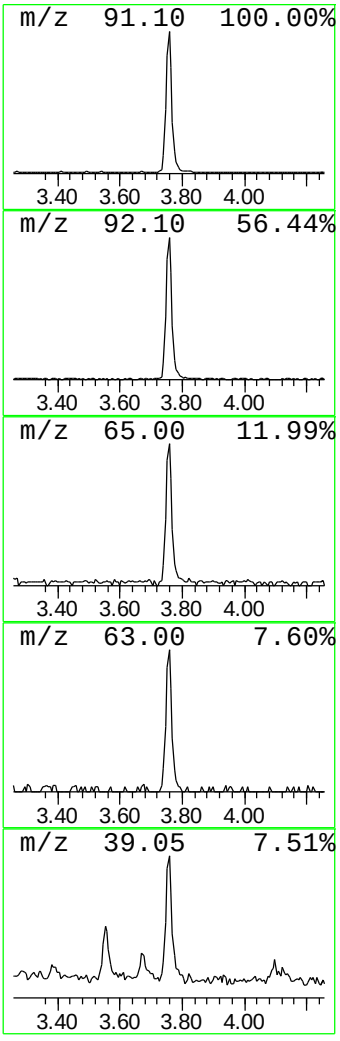
****

Peak Number 1 Toluene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.76	3.49 ng/ul	365118	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	94
2	Toluene	92	C7H8	000108-88-3	90
3	Toluene	92	C7H8	000108-88-3	90
4	Toluene	92	C7H8	000108-88-3	90
5	Toluene	92	C7H8	000108-88-3	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

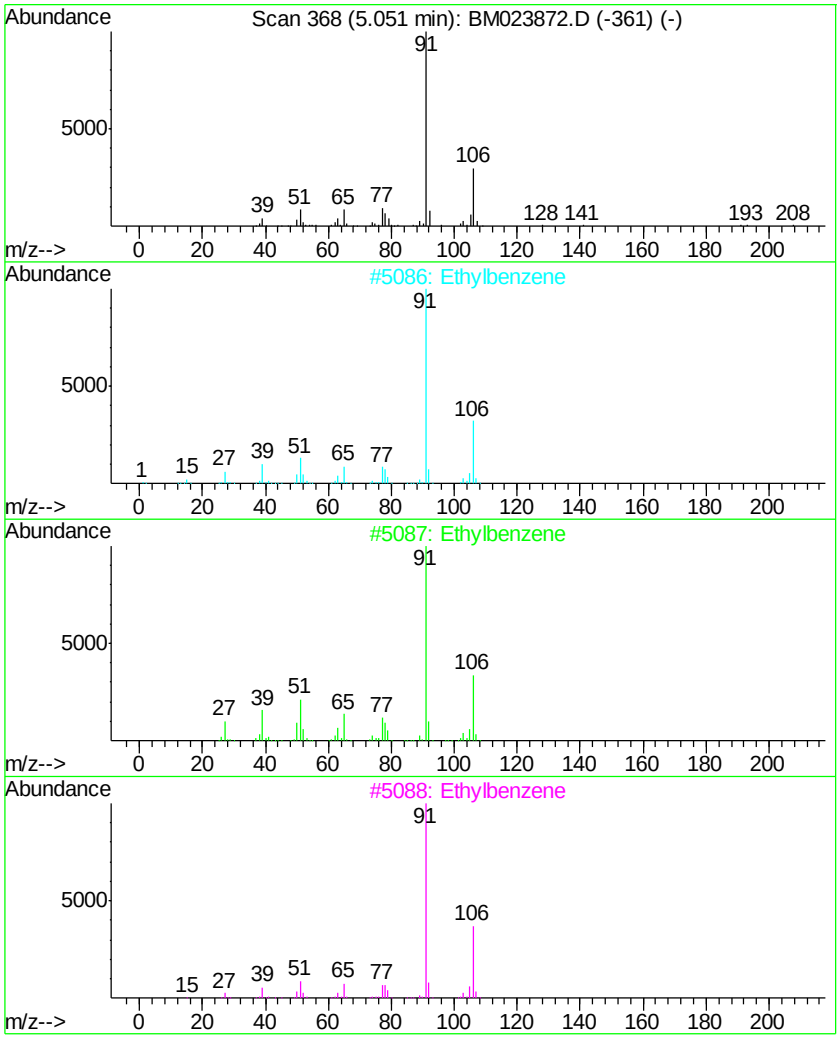
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

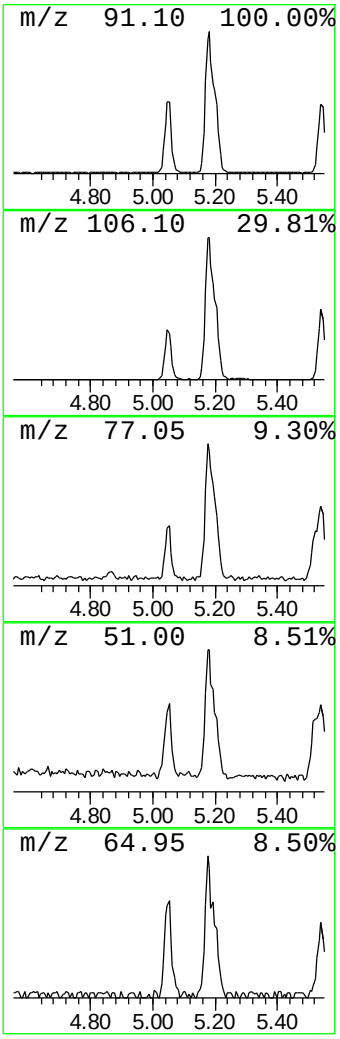
****

Peak Number 2 Ethylbenzene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	2.65 ng/ul	276795	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylbenzene	106	C8H10	000100-41-4	90
2	Ethylbenzene	106	C8H10	000100-41-4	90
3	Ethylbenzene	106	C8H10	000100-41-4	90
4	o-Xylene	106	C8H10	000095-47-6	83
5	o-Xylene	106	C8H10	000095-47-6	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

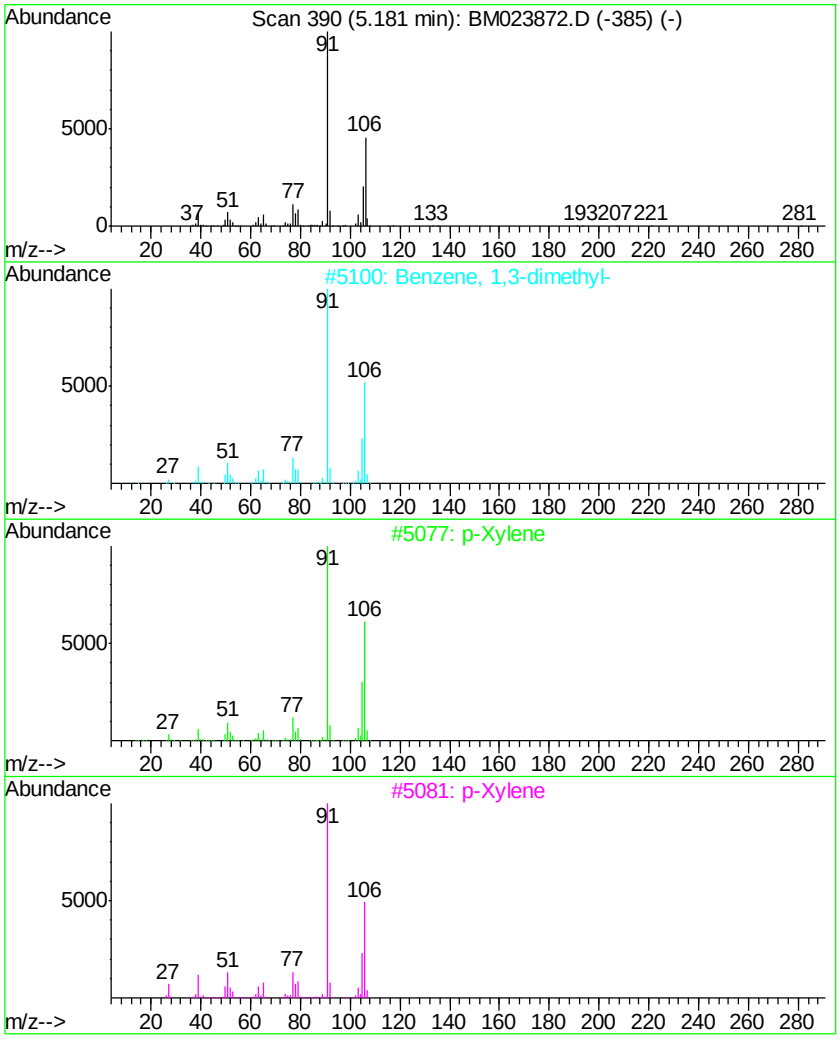
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

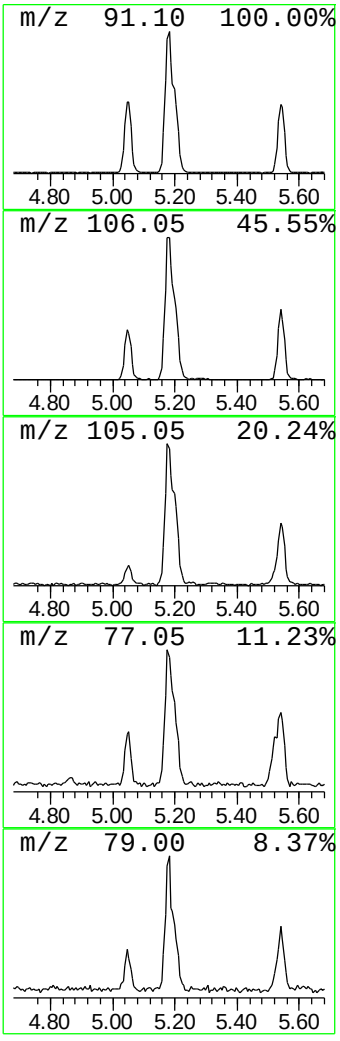
****

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	8.51 ng/ul	889489	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	95
3	p-Xylene	106	C8H10	000106-42-3	95
4	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
5	p-Xylene	106	C8H10	000106-42-3	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

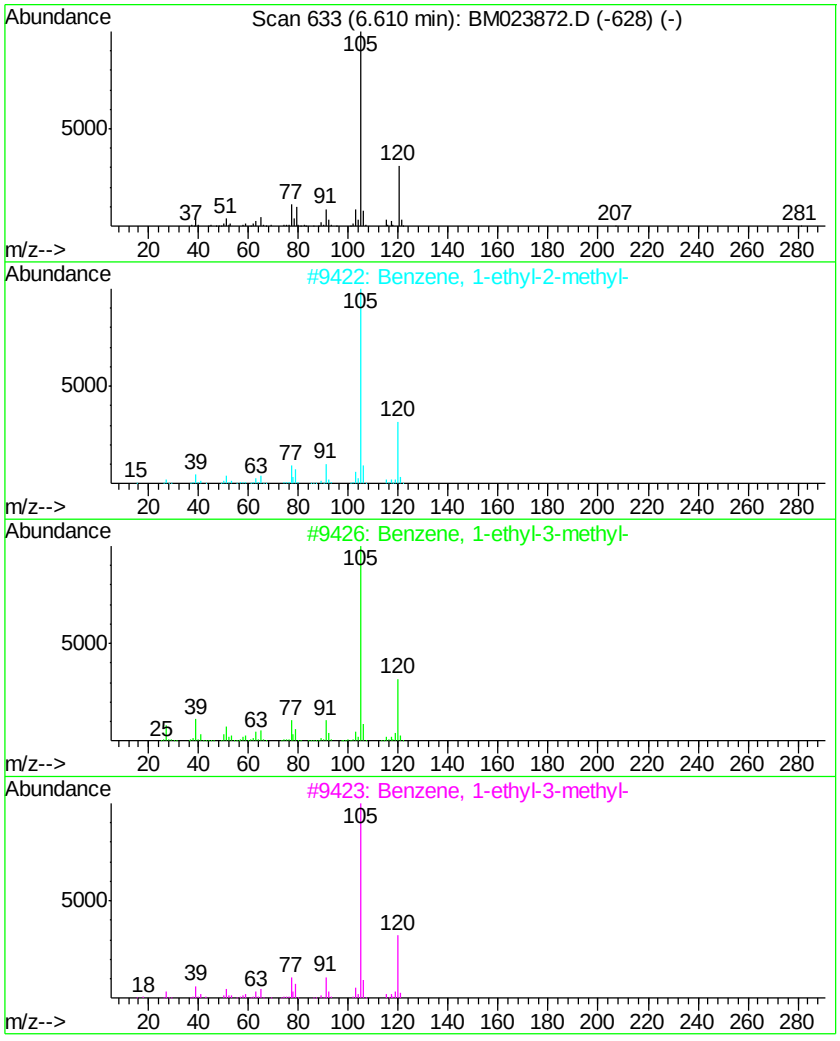
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

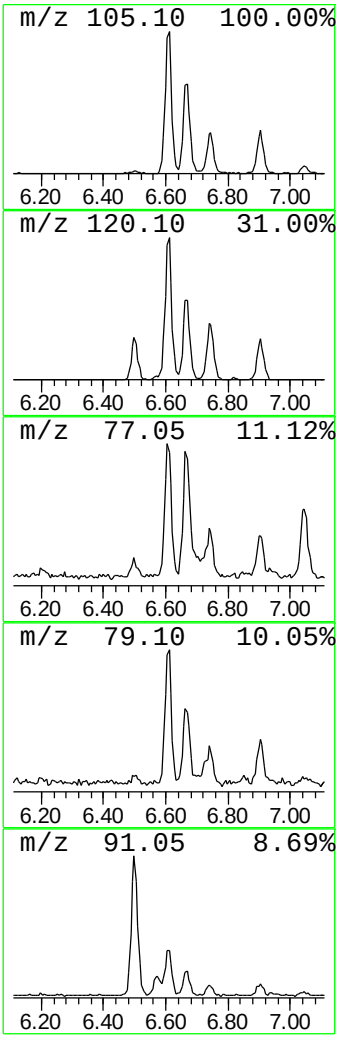
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	3.78 ng/ul	395585	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

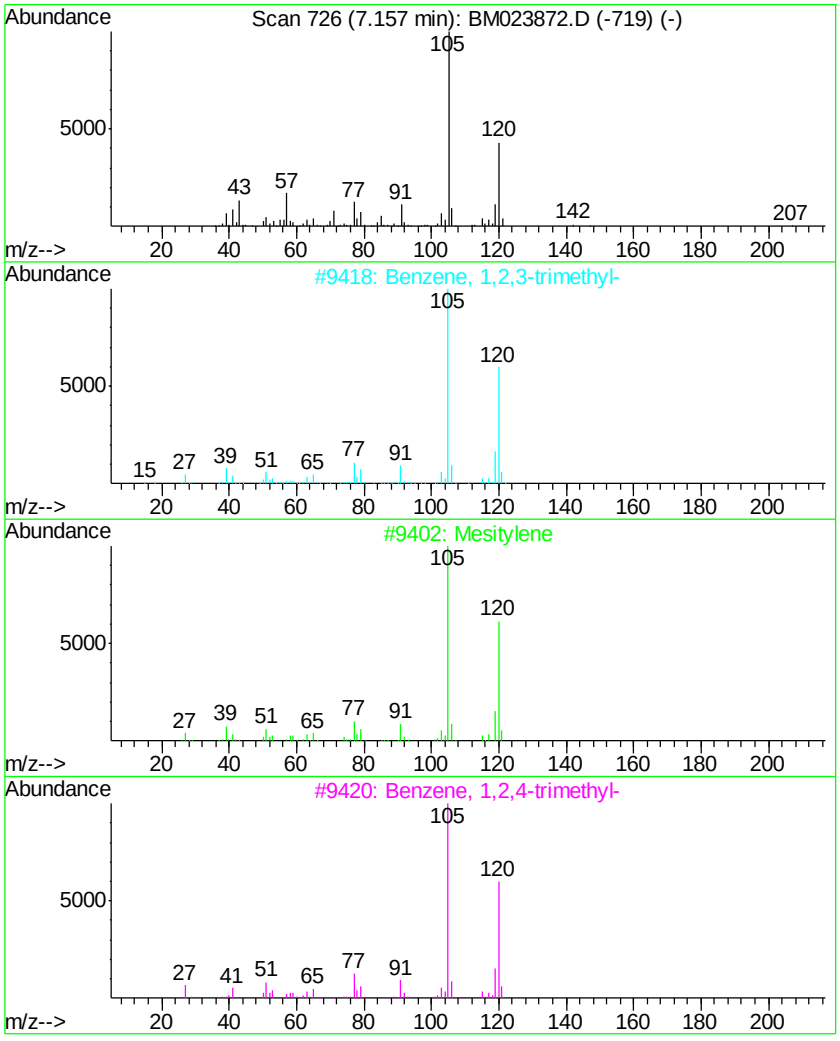
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

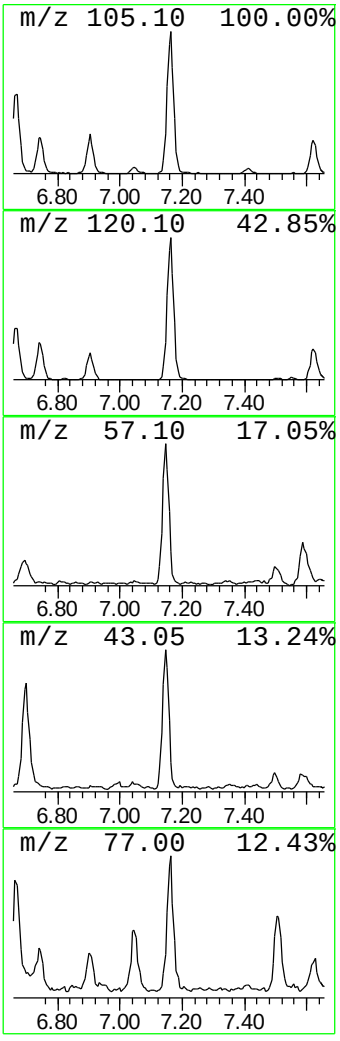
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	6.74 ng/ul	704493	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	97
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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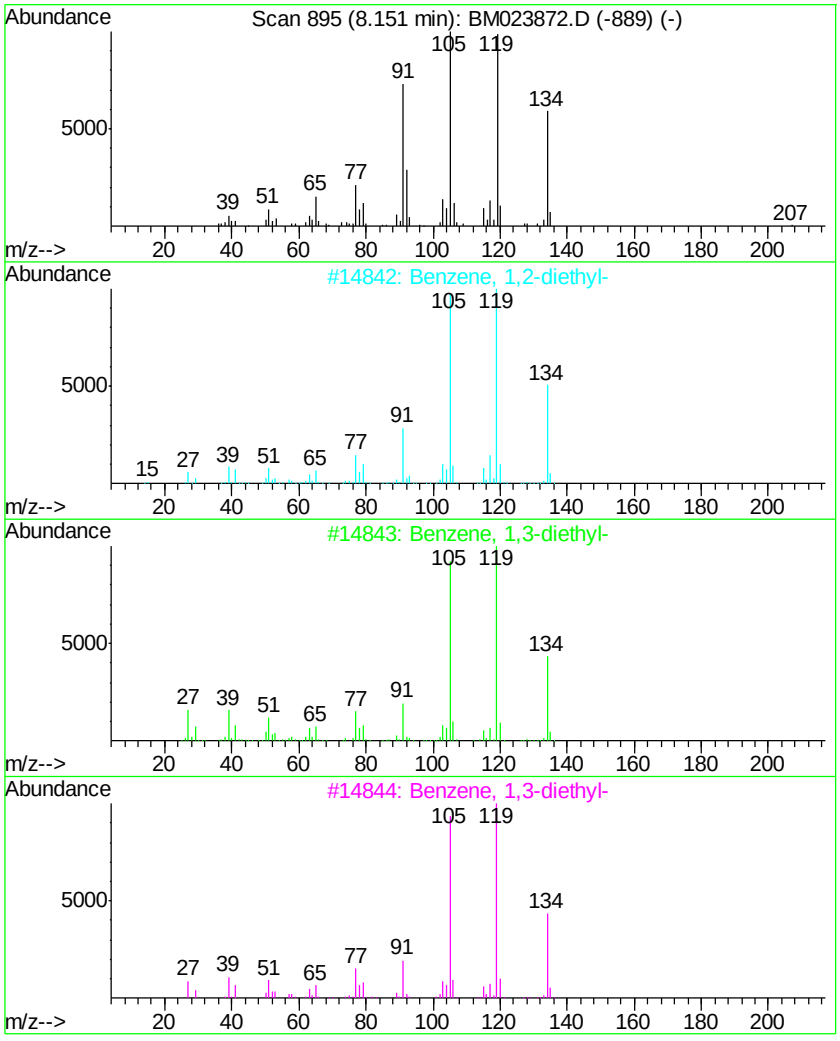
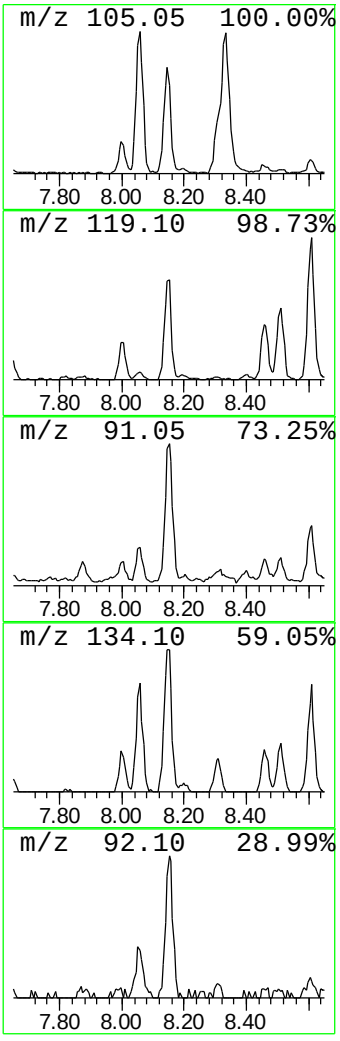
Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	2.43 ng/ul	254252	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90





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Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
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ClientSampleId : C0AB8

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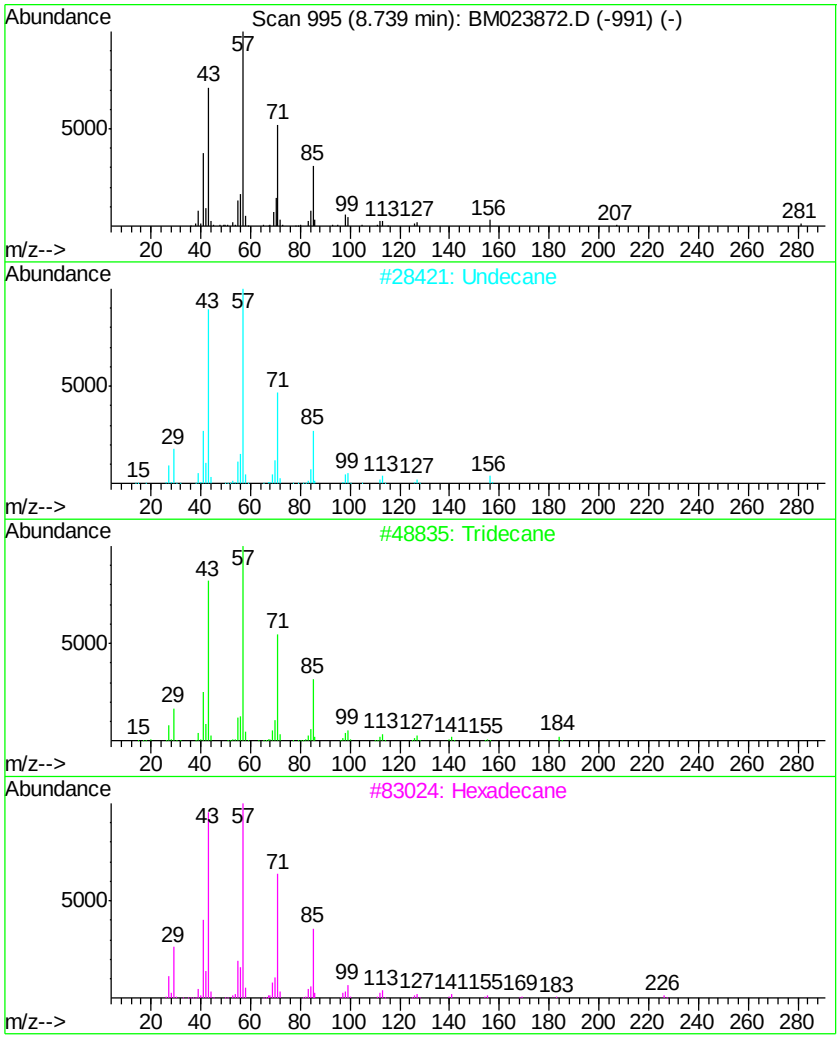
Quant Title : SVOA CALIBRATION

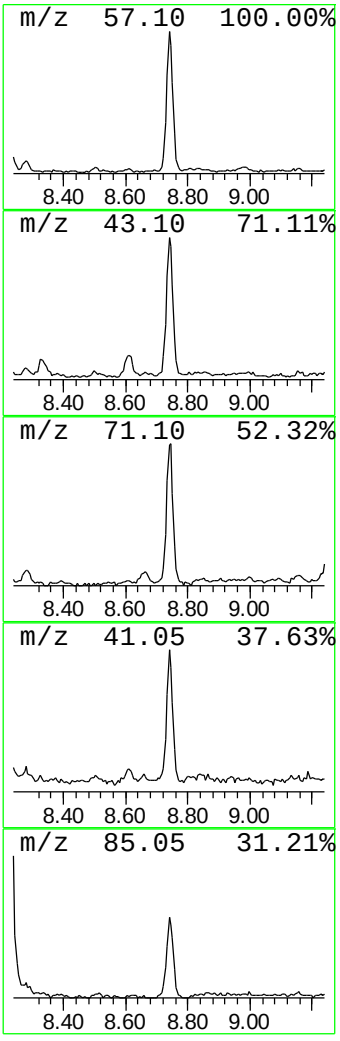
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	2.60 ng/ul	272216	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	90
2	Tridecane	184	C13H28	000629-50-5	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Hexadecane	226	C16H34	000544-76-3	80
5	Pentadecane	212	C15H32	000629-62-9	78





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Instrument : BNA_M
ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

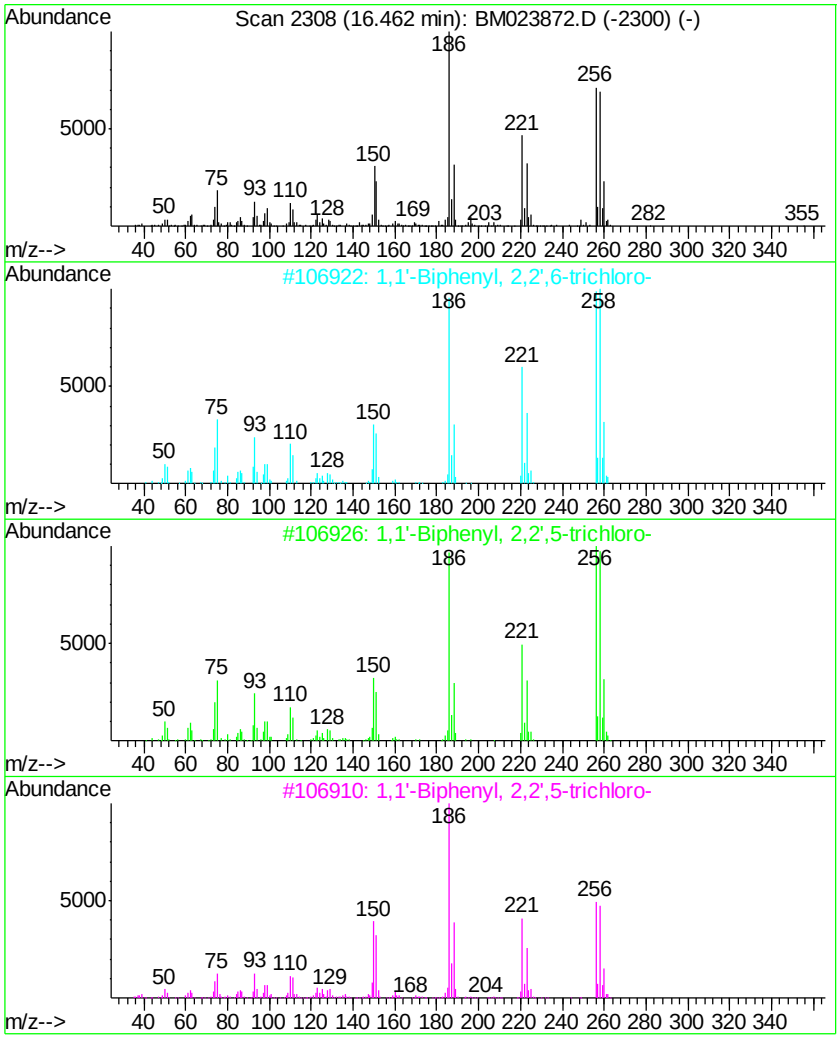
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

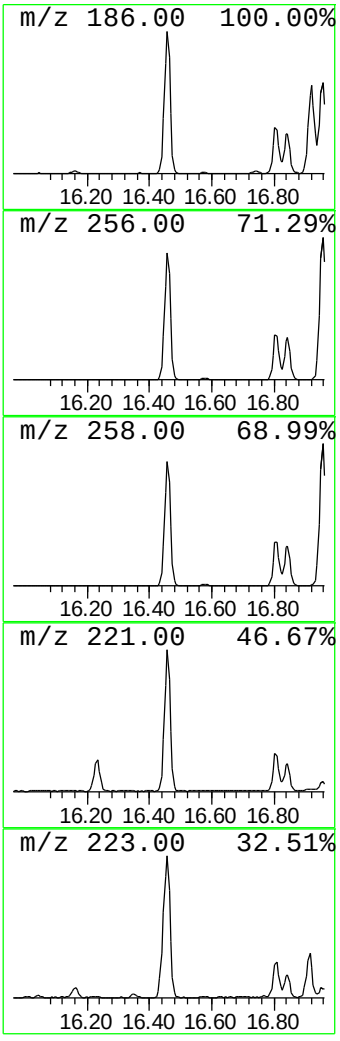
****

Peak Number 9 1,1'-Biphenyl, 2,2',6-trich... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	7.81 ng/ul	2198880	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	99
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
4	2,2',3-Trichloro-1,1'-biphenyl	256	C12H7Cl3	038444-78-9	99
5	2,2',4-Trichloro-1,1'-biphenyl	256	C12H7Cl3	037680-66-3	98





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Quant Title : SVOA CALIBRATION

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

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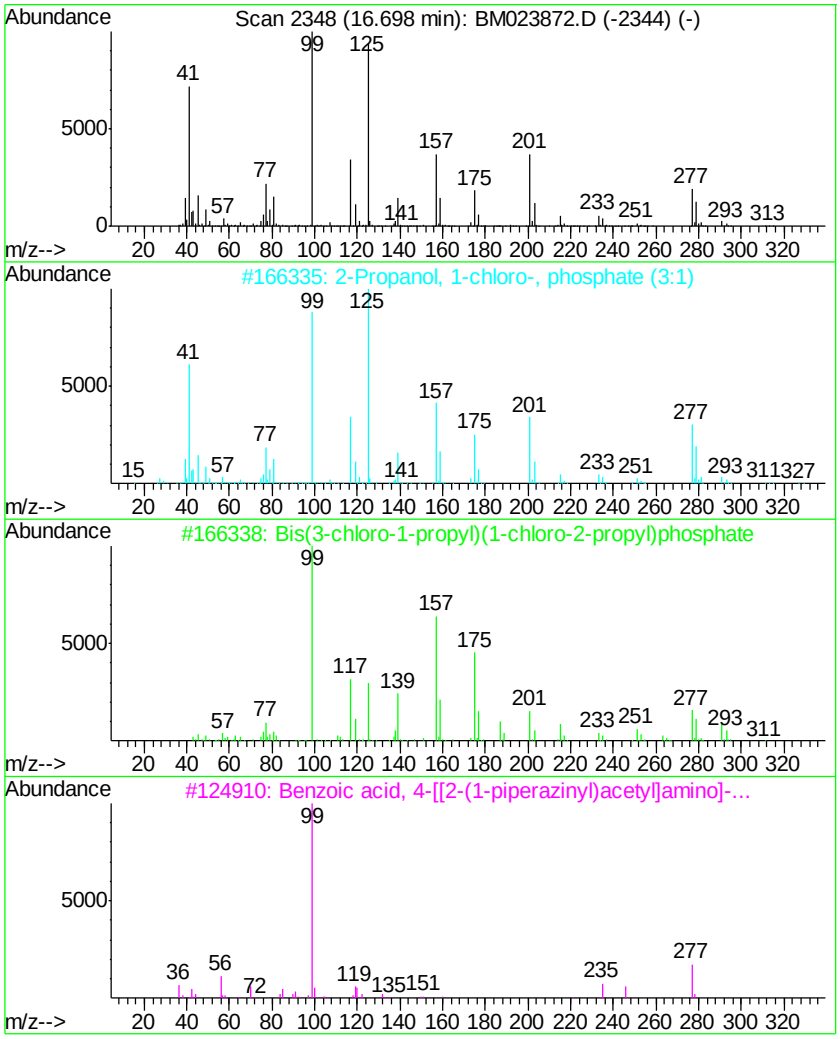
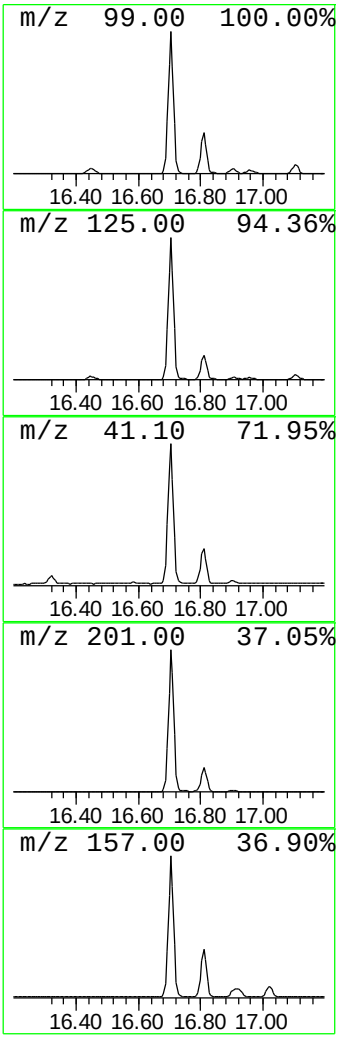
Peak Number 10 2-Propanol, 1-chloro-, phos... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	21.25 ng/ul	5981250	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	93
2	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	38
3	Benzoic acid, 4-[[2-(1-piperazin...	277	C14H19N3O3	1000350-32-6	14
4	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	10
5	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	10





Library Search Compound Report

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ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

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

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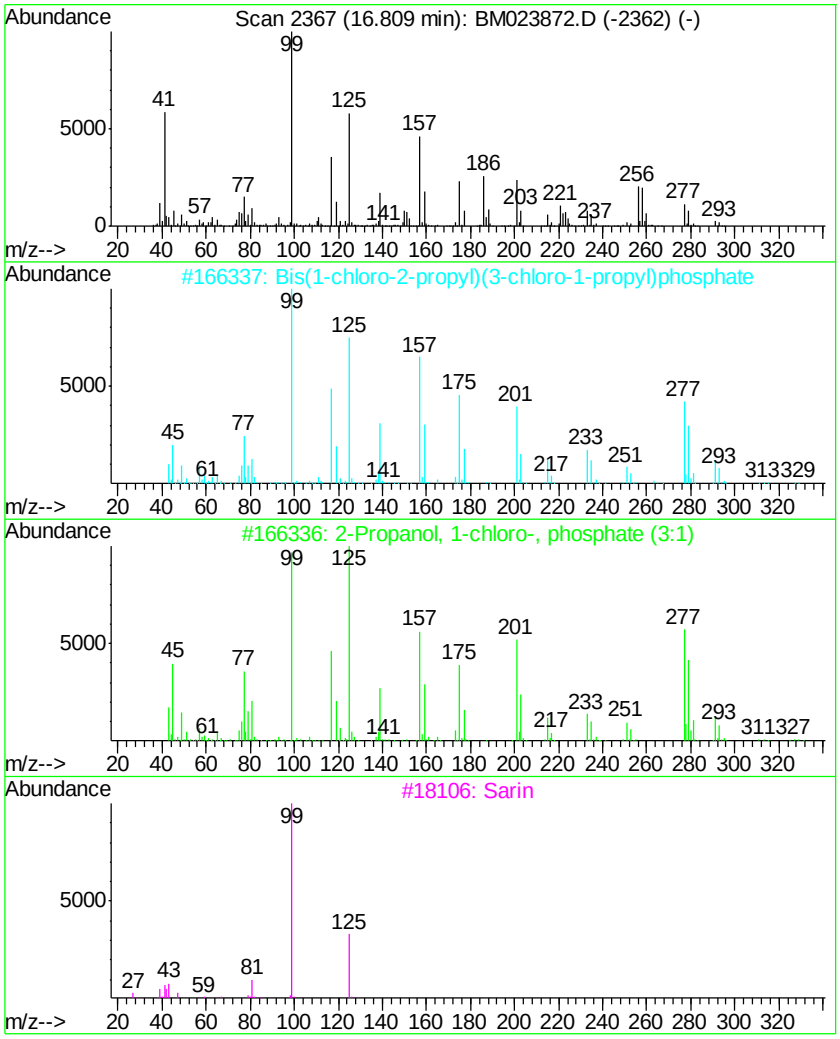
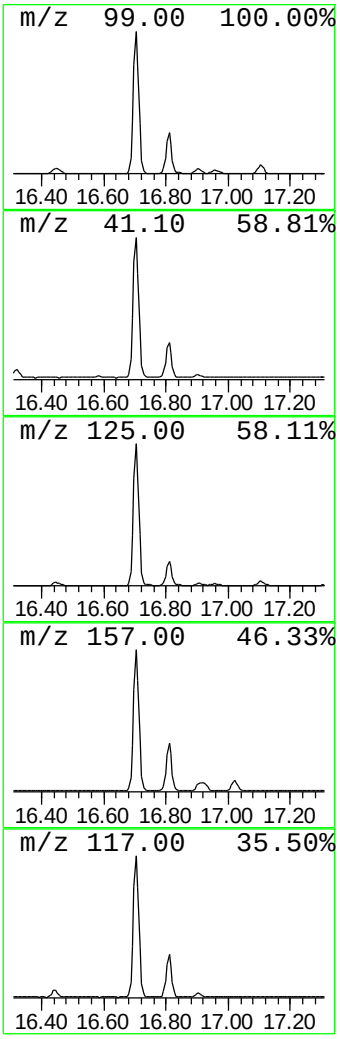
Peak Number 11 Bis(1-chloro-2-propyl)(3-ch... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	6.97 ng/ul	1962530	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	64
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	38
3	Sarin	140	C4H10FO2P	000107-44-8	27
4	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	27
5	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	27





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Quant Title : SVOA CALIBRATION

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

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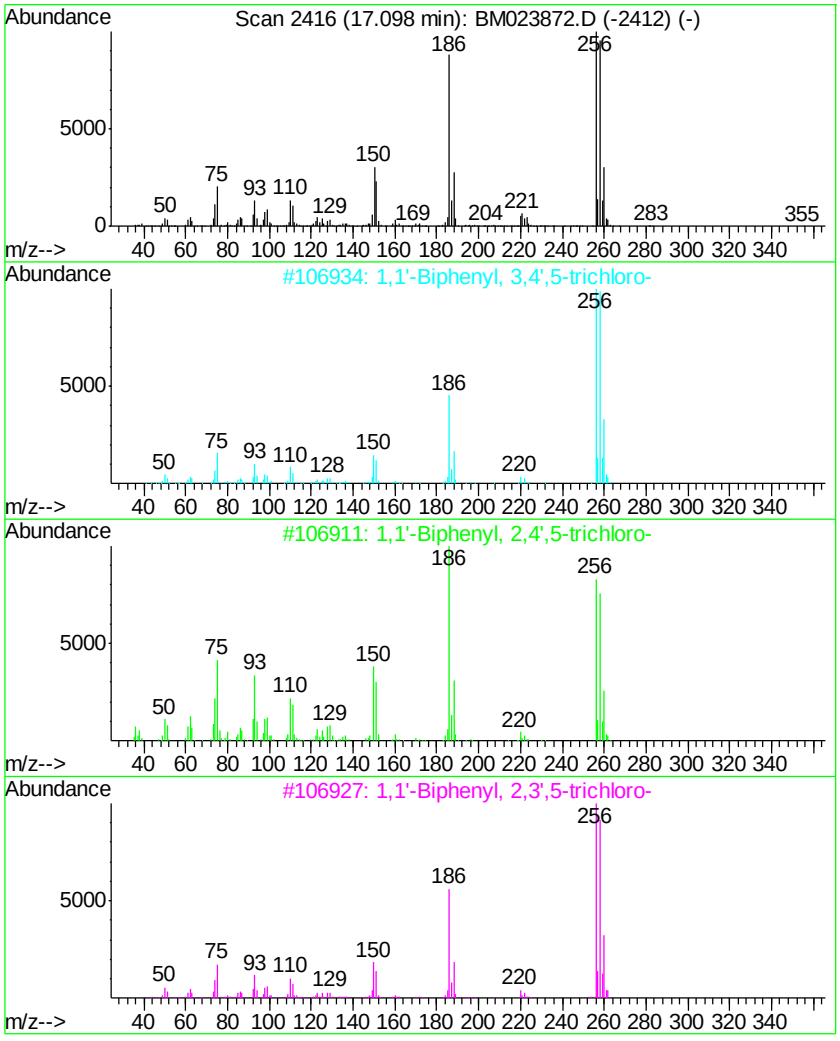
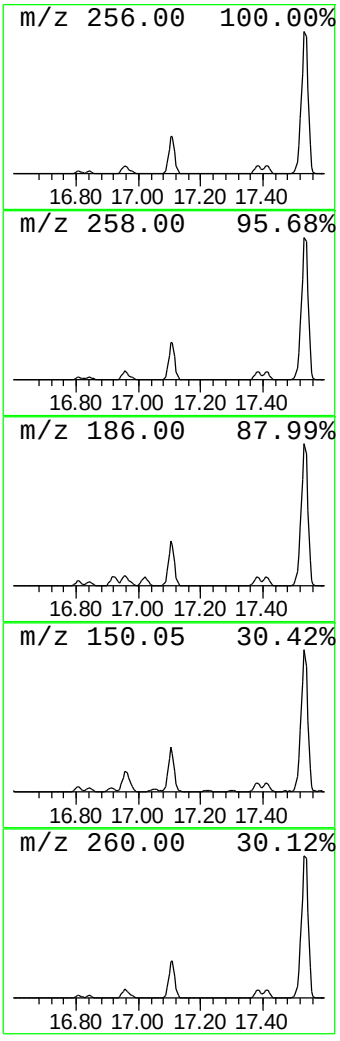
Peak Number 12 1,1'-Biphenyl, 3,4',5-trich... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	19.15 ng/ul	5391350	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
3	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
4	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
5	1,1'-Biphenyl, 2',3,5-trichloro-	256	C12H7Cl3	037680-68-5	99





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ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

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

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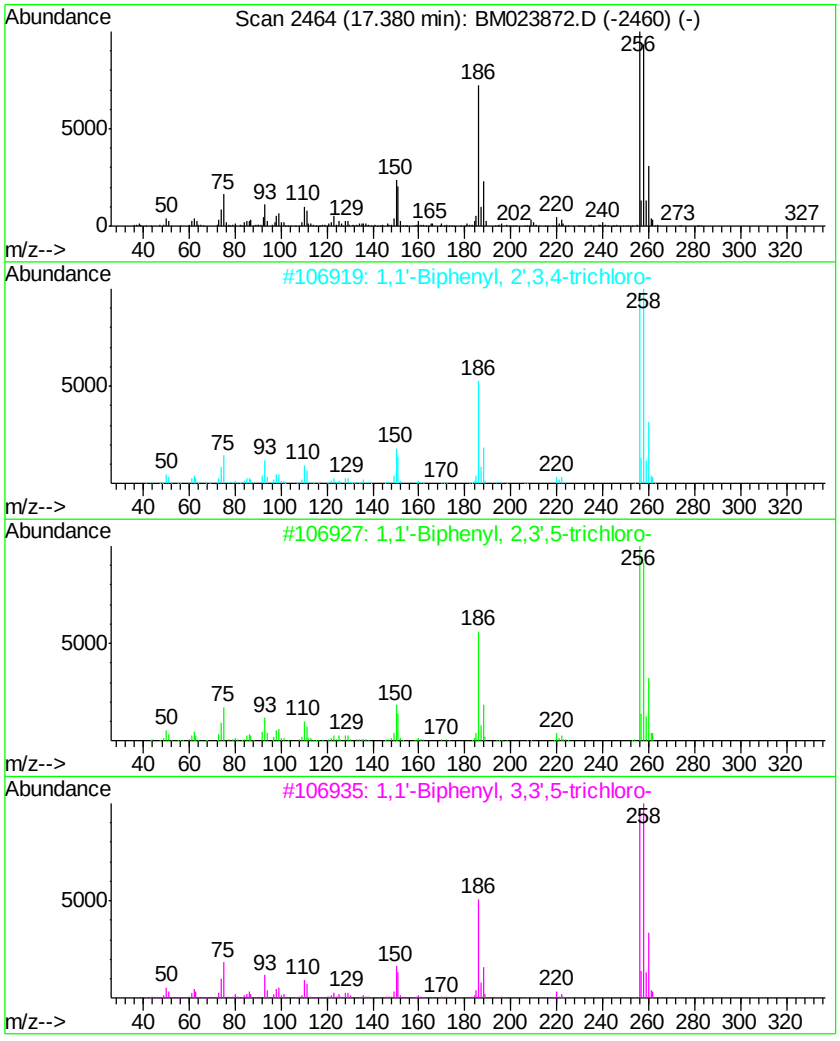
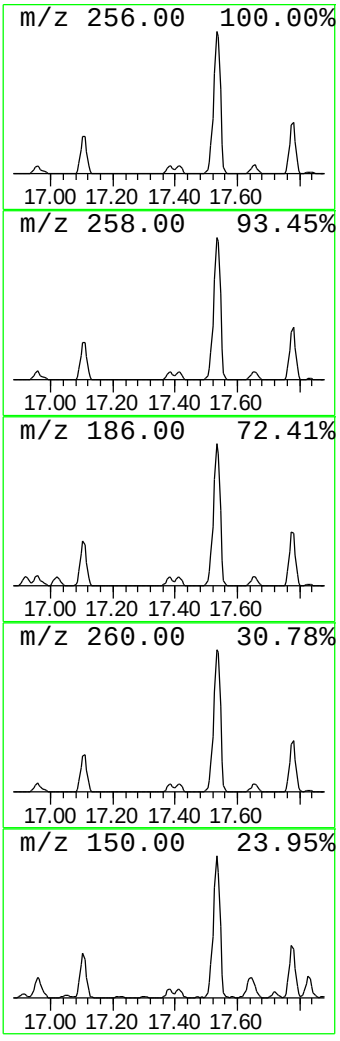
Peak Number 13 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	3.76 ng/ul	1056970	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
2	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
3	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
4	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99
5	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99





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Instrument : BNA_M
ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

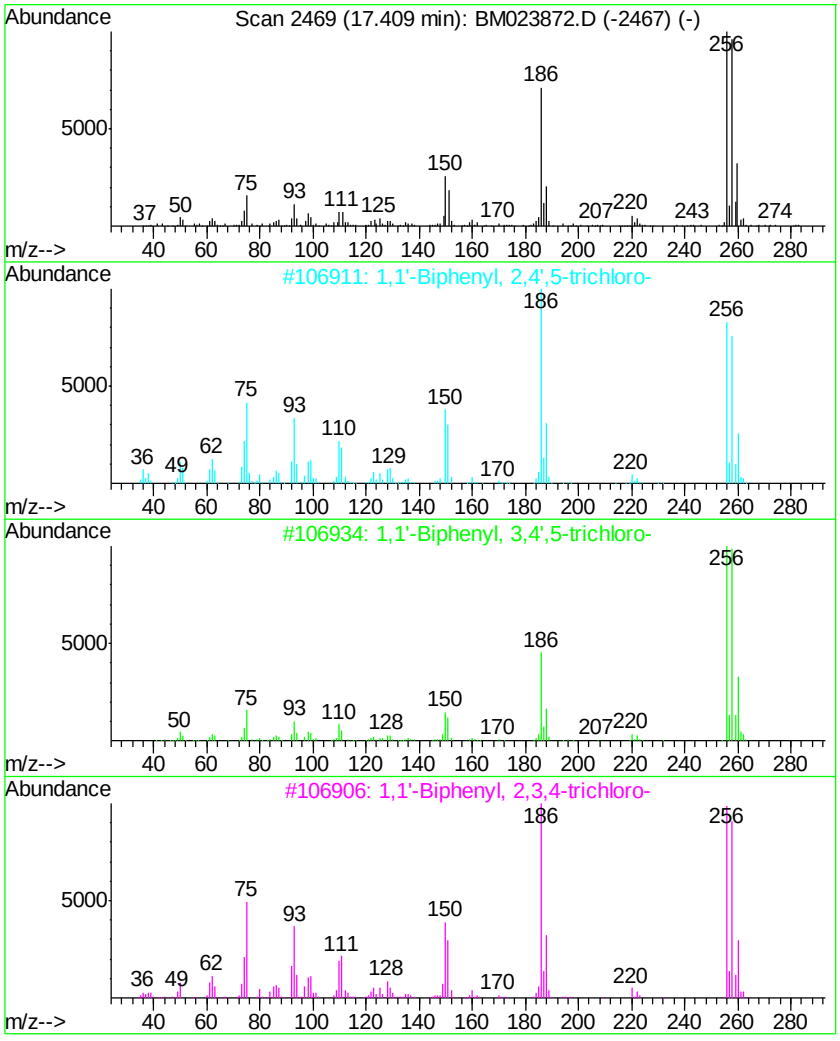
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

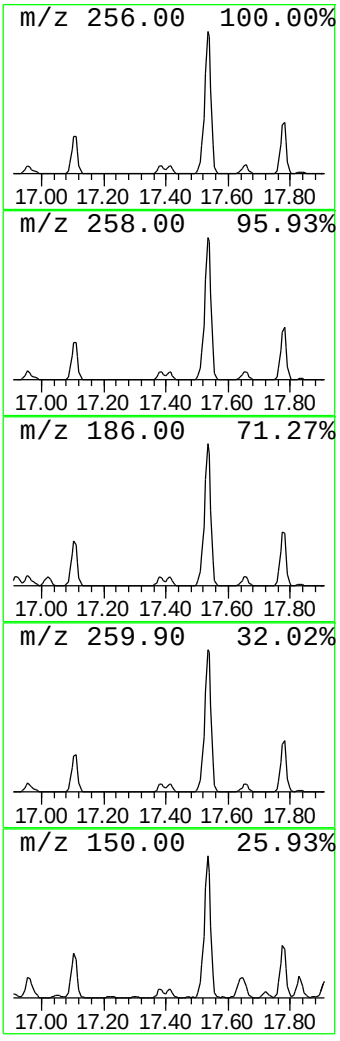
****

Peak Number 14 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	2.93 ng/ul	823424	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
2	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99
3	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
4	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
5	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99





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Quant Title : SVOA CALIBRATION

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

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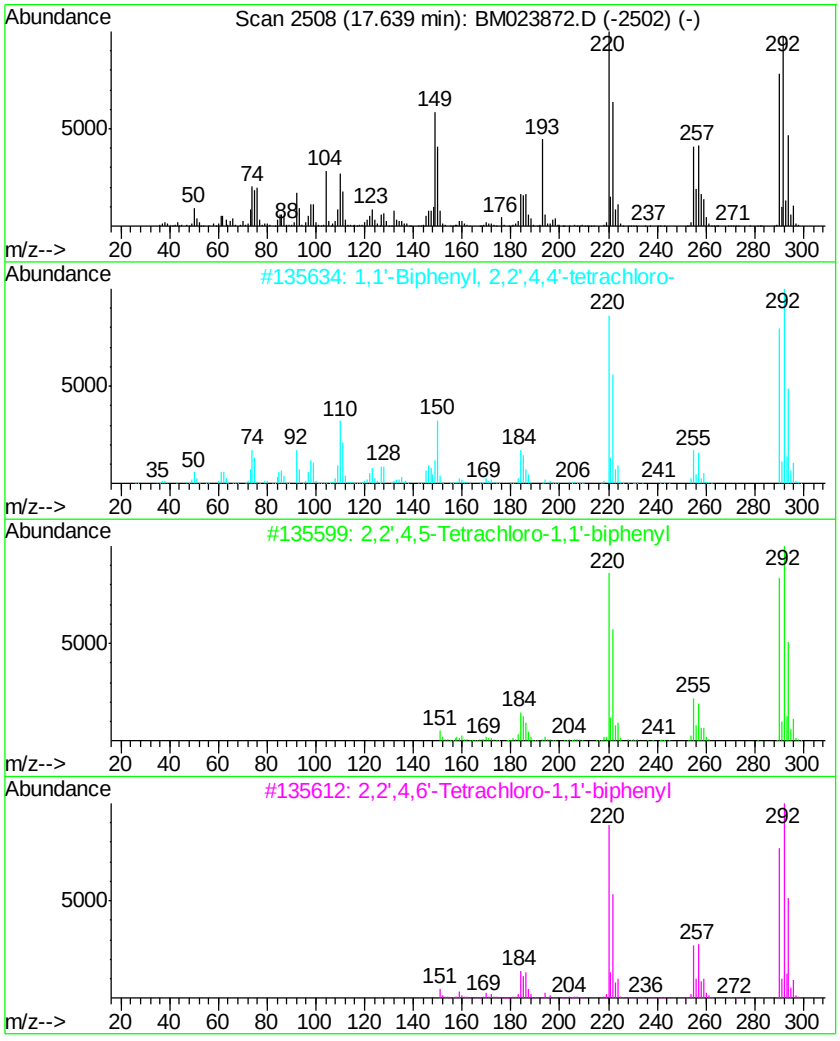
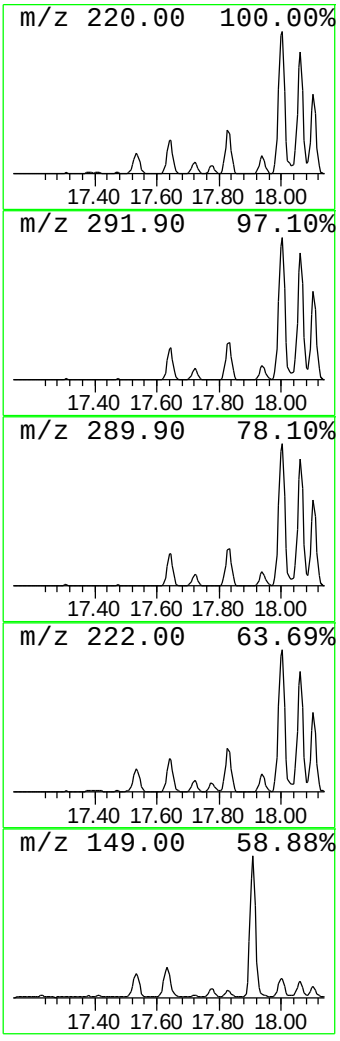
Peak Number 16 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	14.66 ng/ul	4126770	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
3	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
5	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99





Library Search Compound Report

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ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

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

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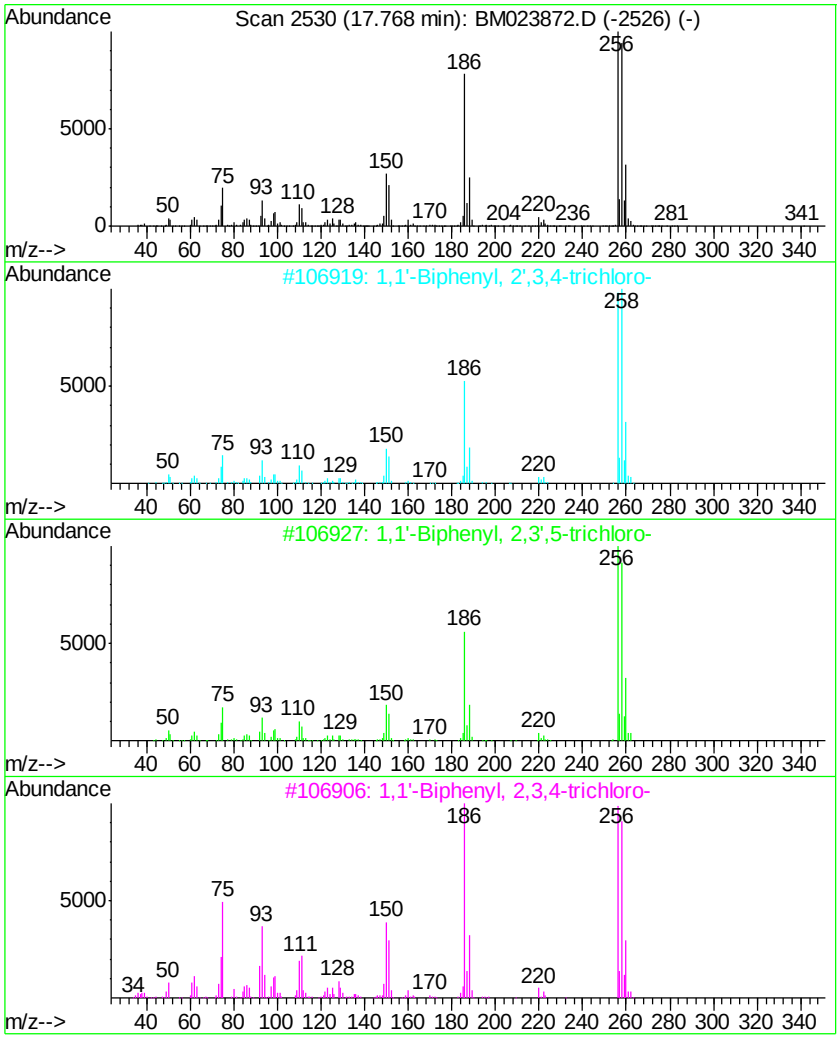
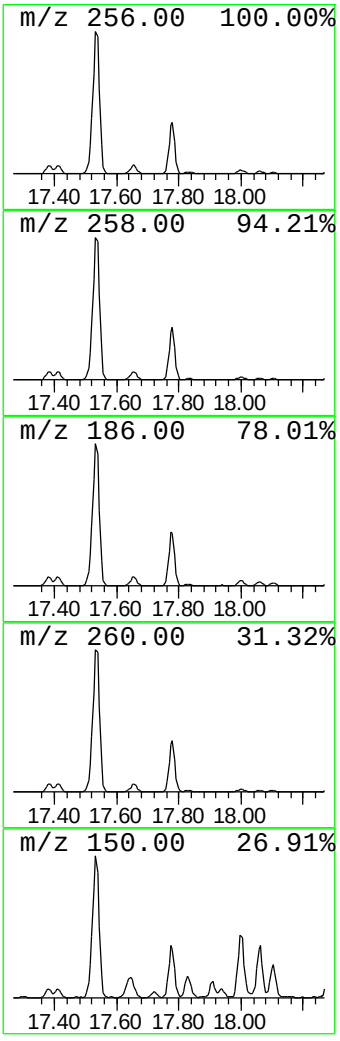
Peak Number 18 1,1'-Biphenyl, 3,3',5-trich... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	23.85 ng/ul	6714360	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
2	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
3	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
4	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99





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Quant Title : SVOA CALIBRATION

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

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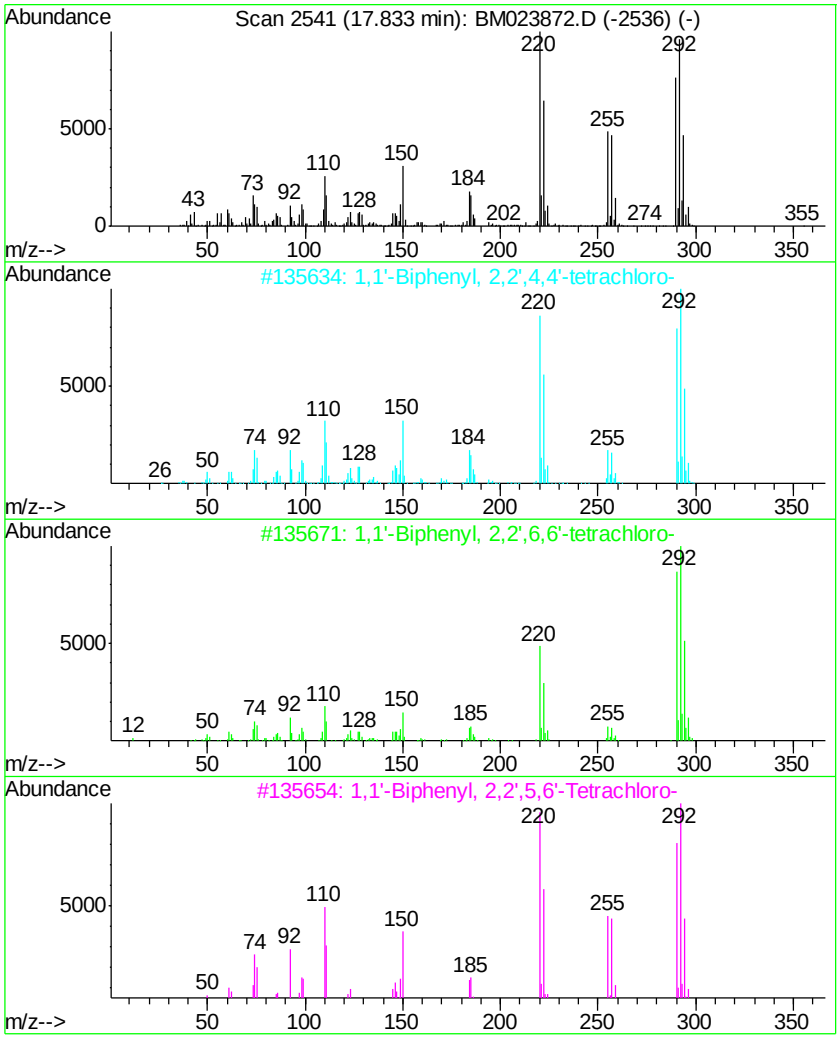
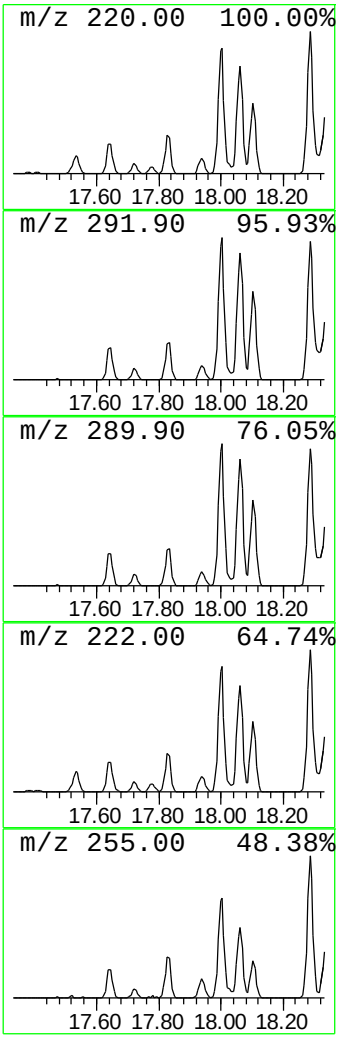
Peak Number 19 1,1'-Biphenyl, 2,2',3,4-tet... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	14.31 ng/ul	4028950	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





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Quant Title : SVOA CALIBRATION

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

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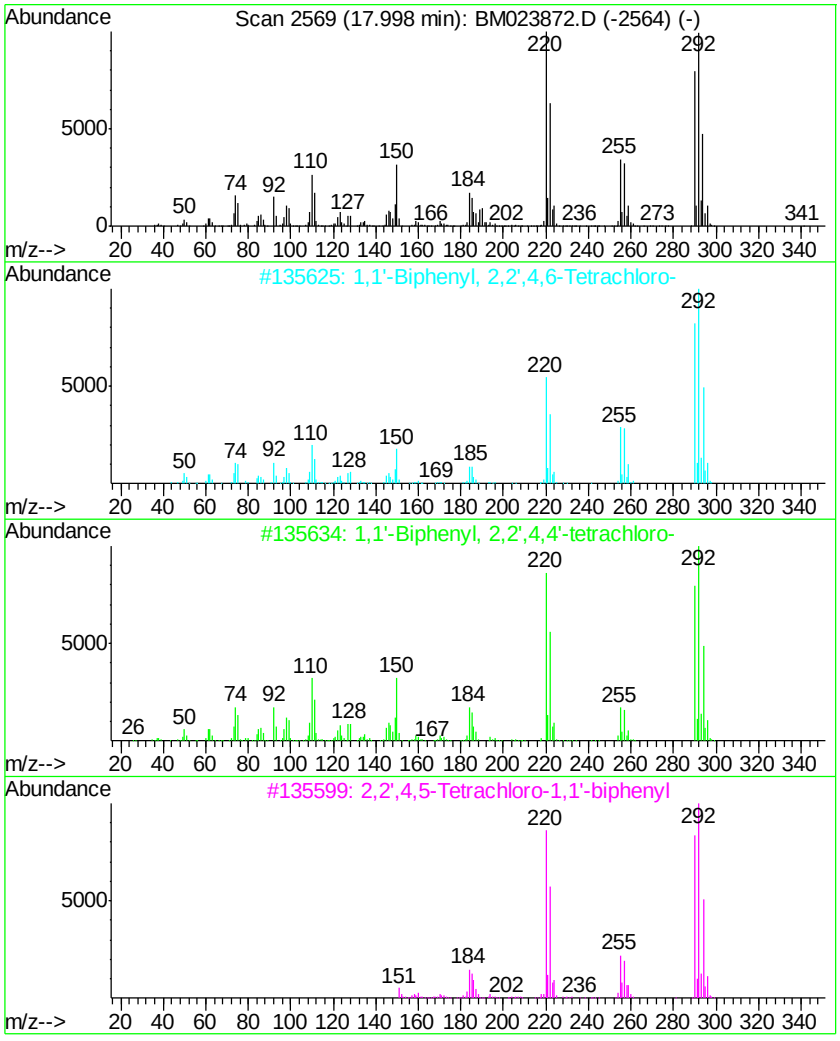
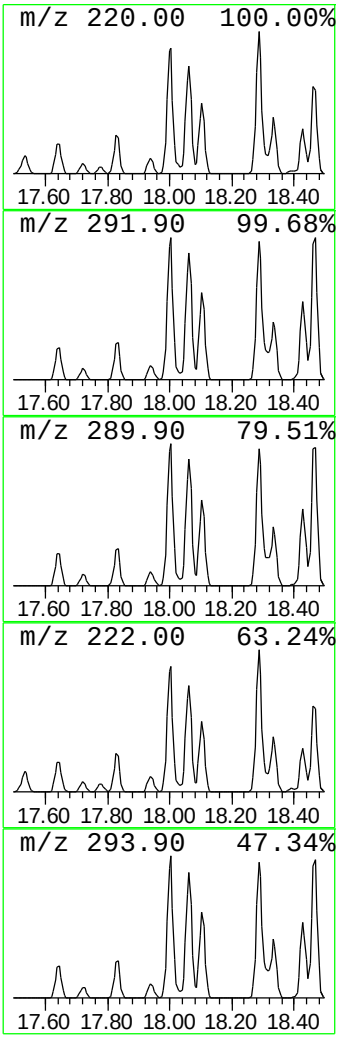
Peak Number 20 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	36.48 ng/ul	10267000	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
5	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99





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Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

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

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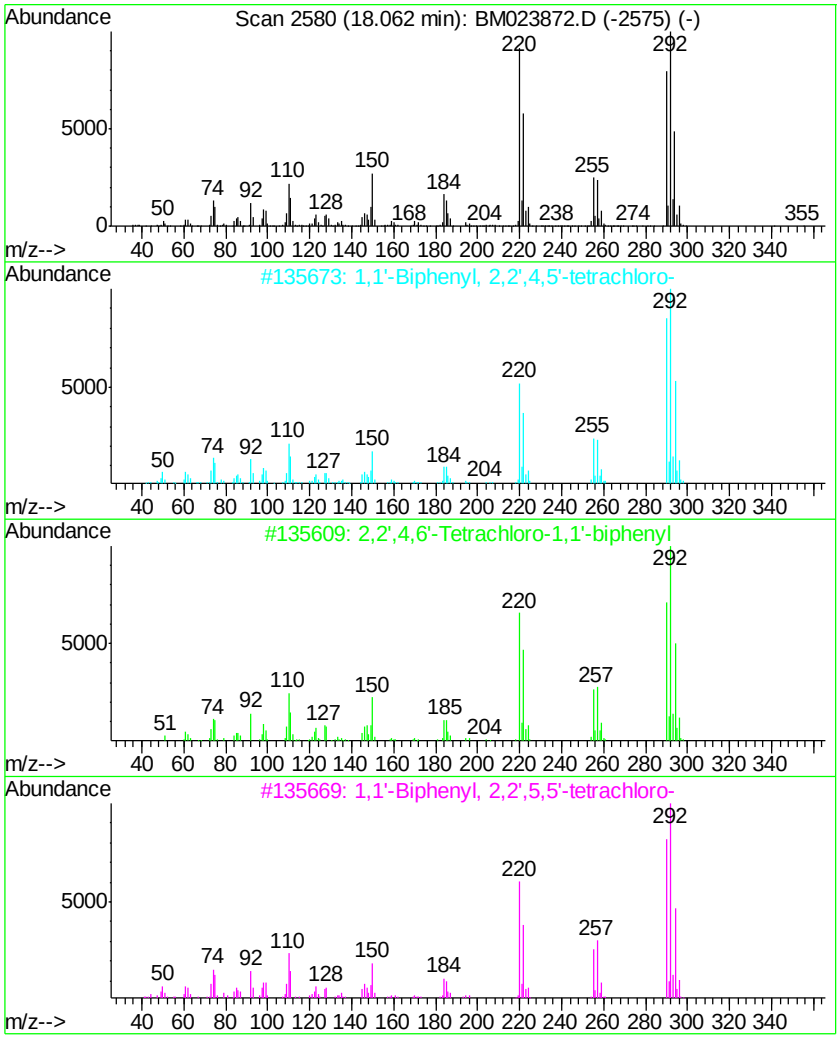
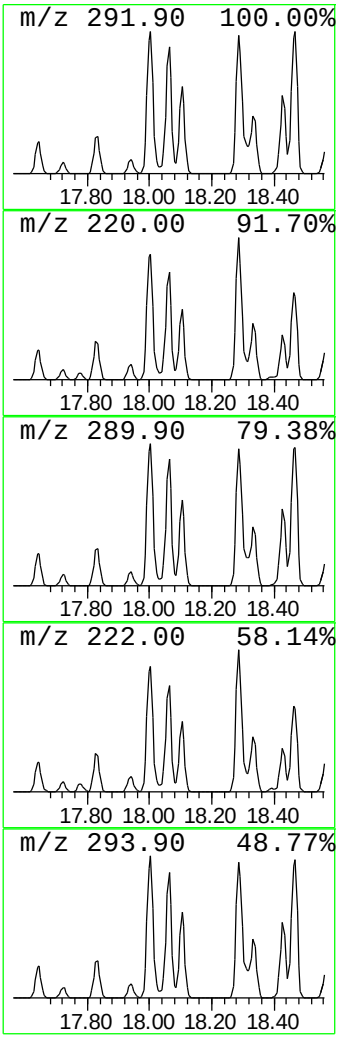
Peak Number 21 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	27.58 ng/ul	7762550	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
2	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99





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Operator : JU
Sample : K5854-03
Misc :
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Instrument : BNA_M
ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

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

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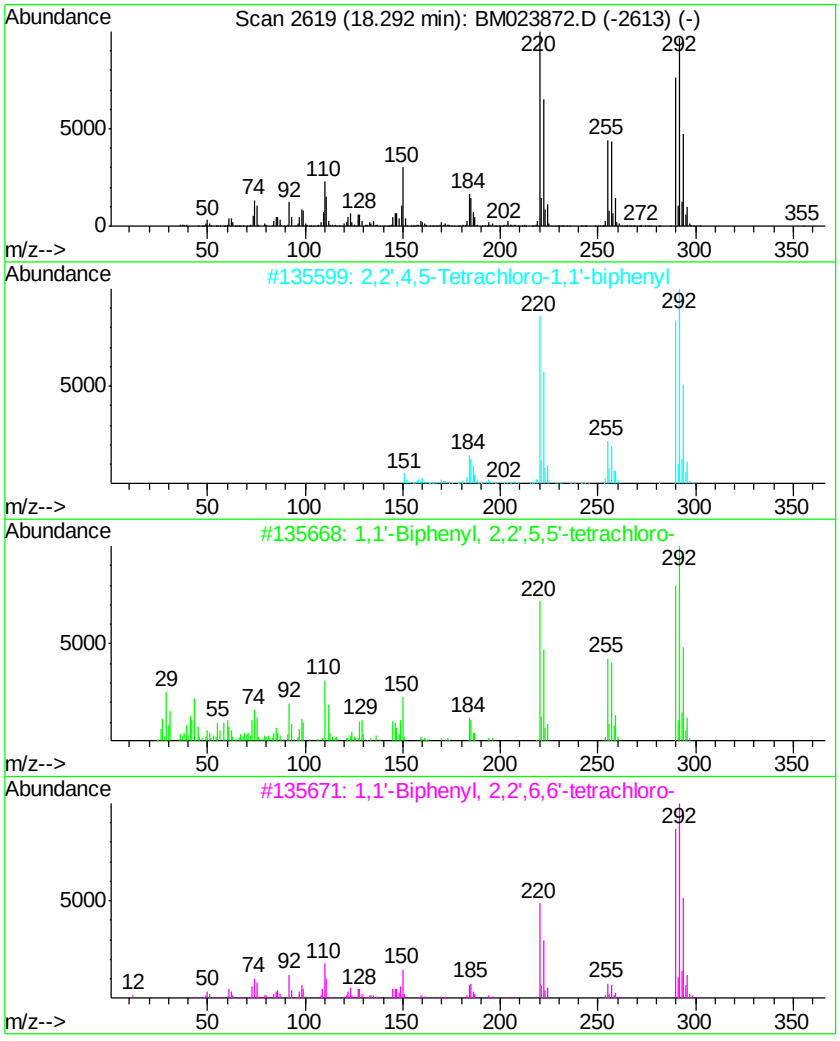
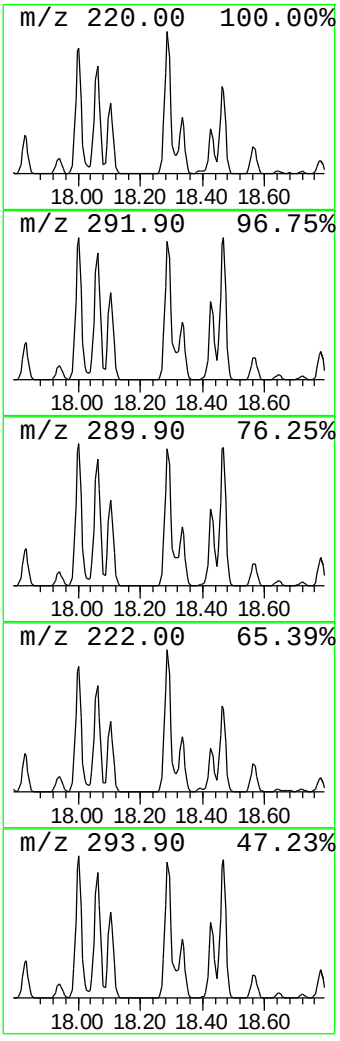
Peak Number 23 2,2',4,5-Tetrachloro-1,1'-b... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	39.40 ng/ul	11091100	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
2	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99





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Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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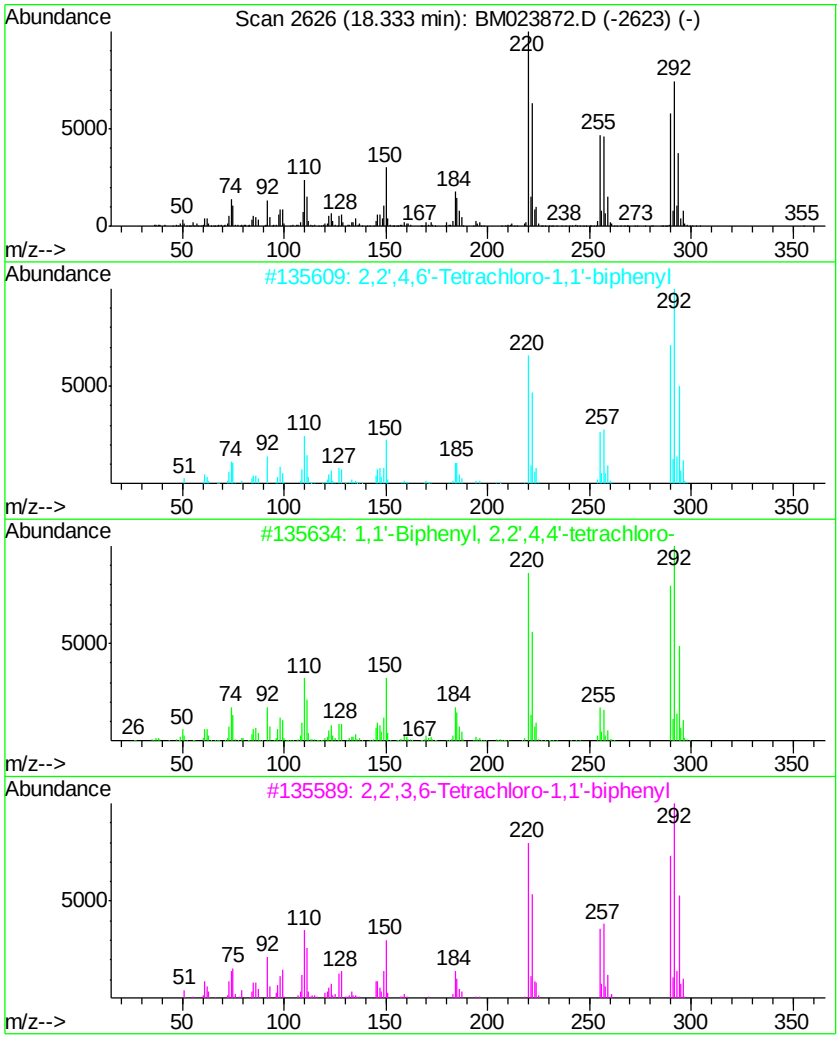
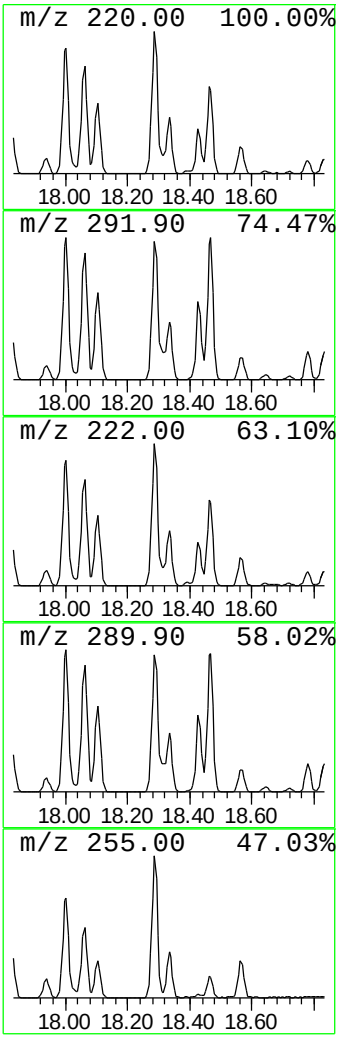
Peak Number 24 2,2',4,6'-Tetrachloro-1,1'-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	14.34 ng/ul	4036130	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99





Library Search Compound Report

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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

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

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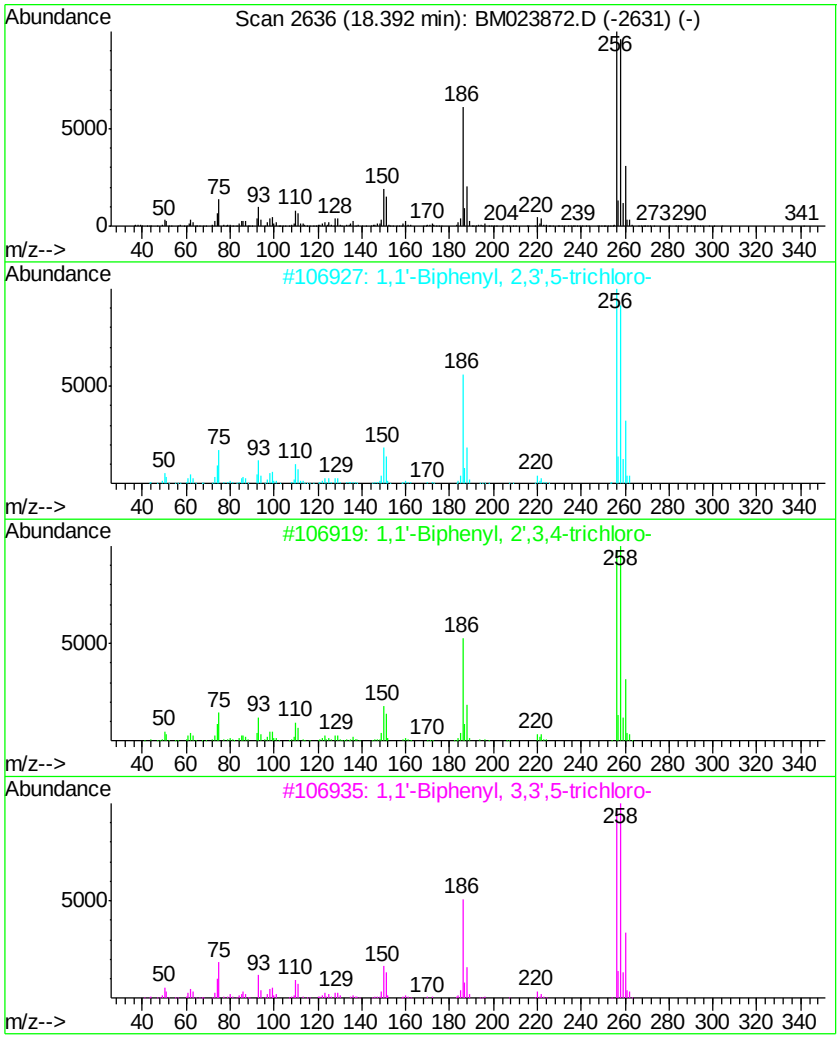
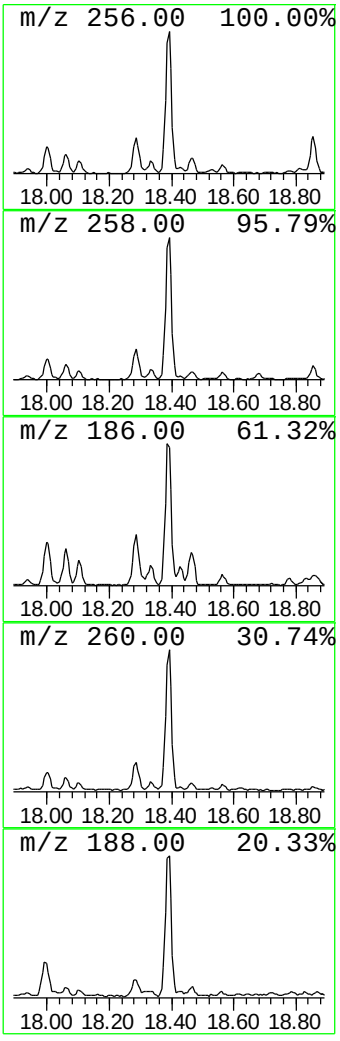
Peak Number 25 1,1'-Biphenyl, 2,3',5-trich... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	8.49 ng/ul	2389610	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
3	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
5	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99





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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

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

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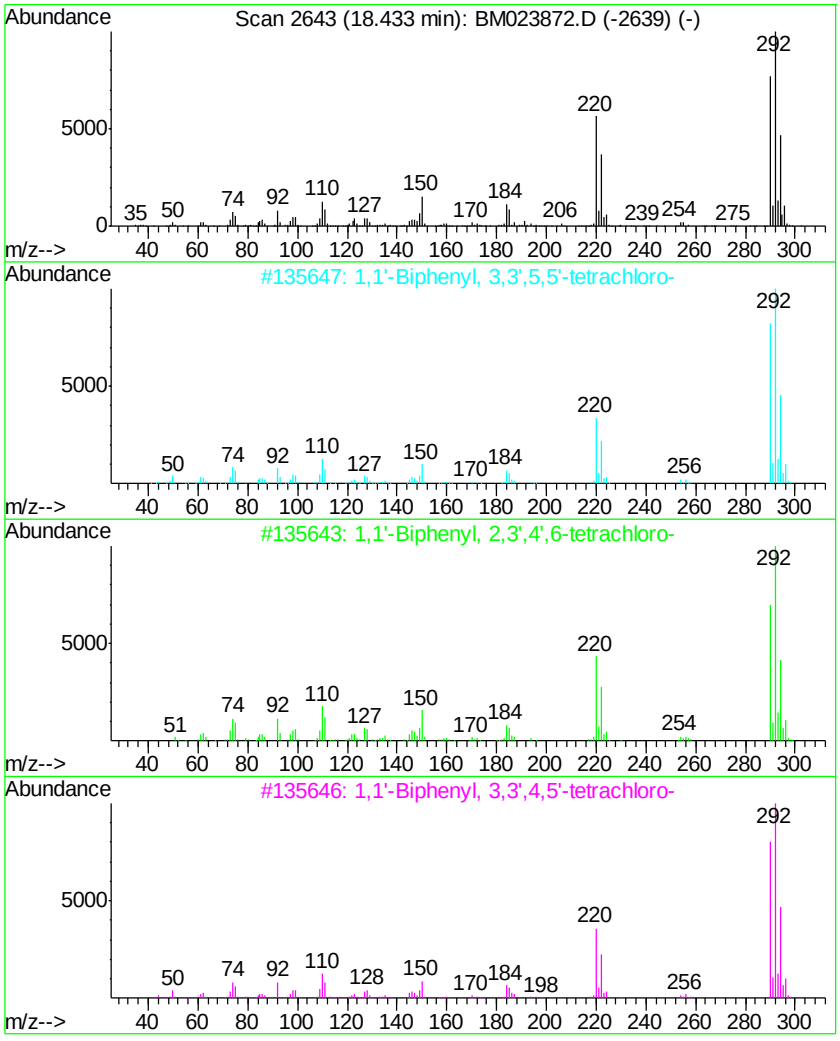
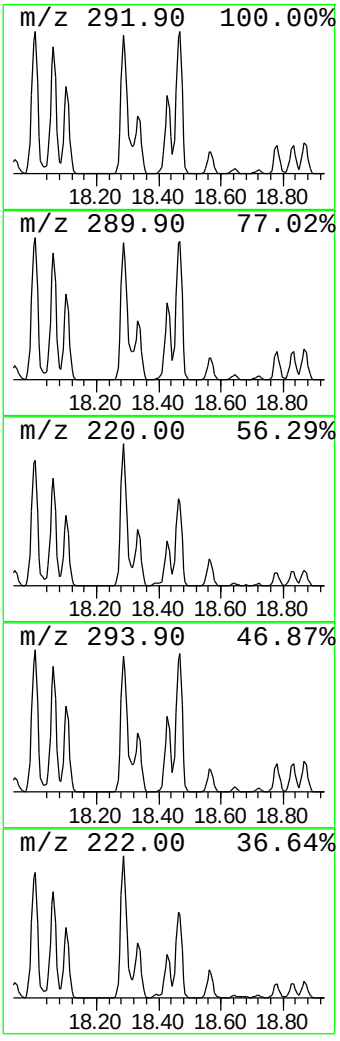
Peak Number 26 1,1'-Biphenyl, 3,3',5,5'-te... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	12.27 ng/ul	3453520	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99
2	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99
3	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
4	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
5	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	99





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

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

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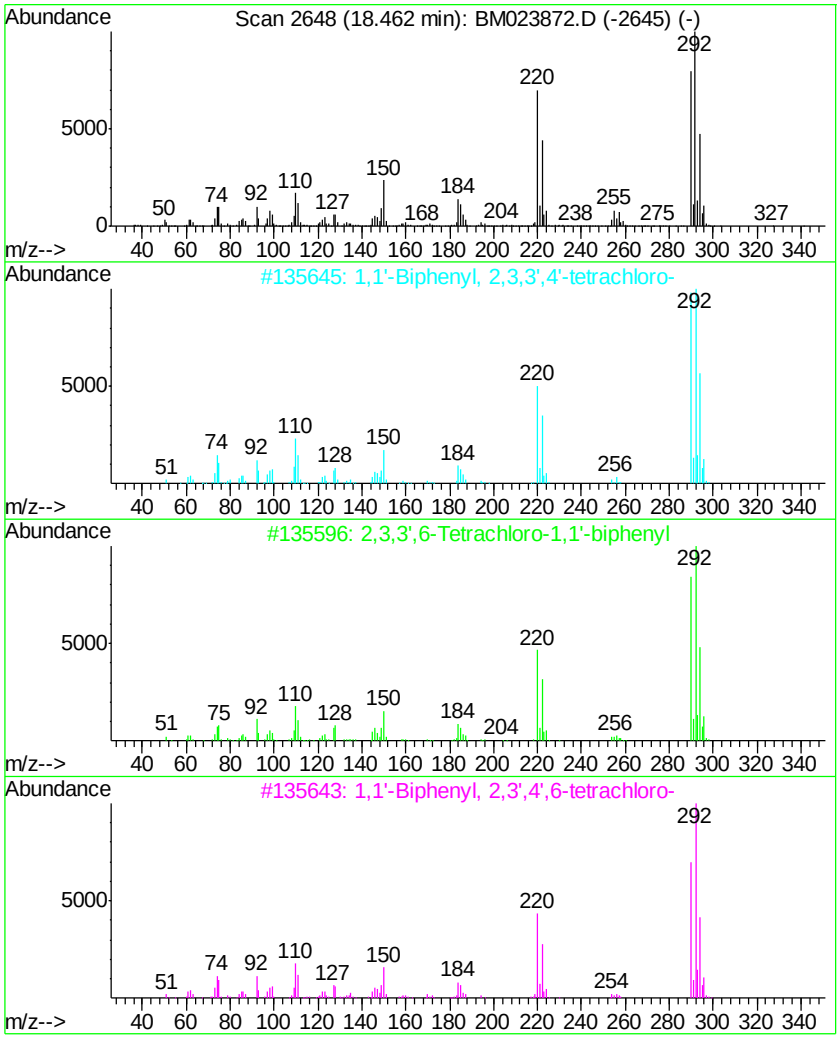
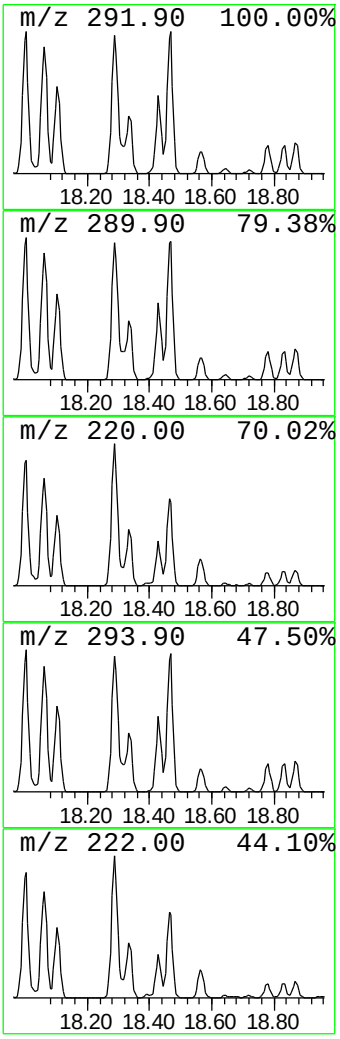
Peak Number 27 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	24.76 ng/ul	6969040	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
2	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
3	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





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Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

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

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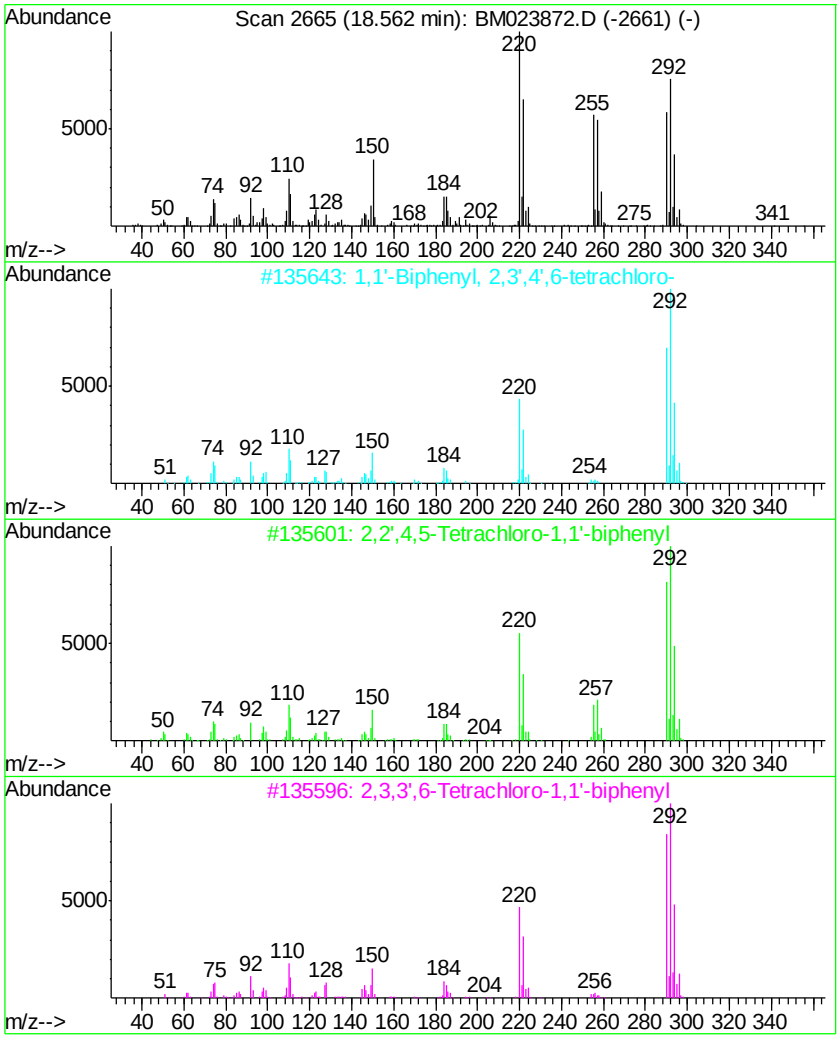
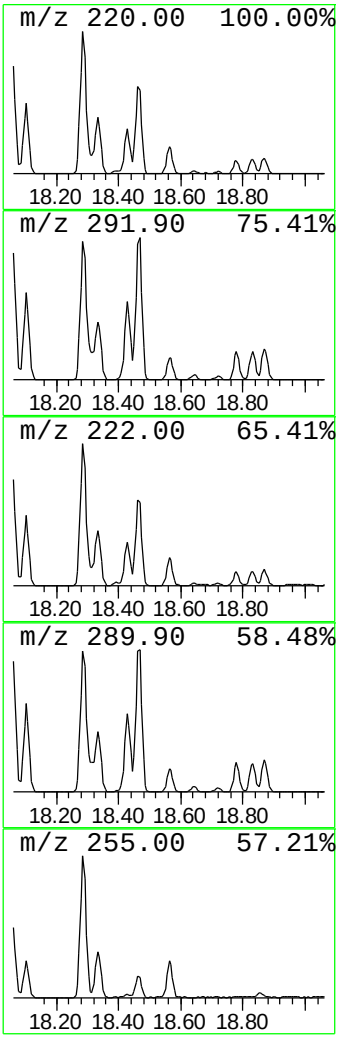
Peak Number 28 1,1'-Biphenyl, 2,3',4',6-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	7.12 ng/ul	2003570	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99
2	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
3	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
4	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
5	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99





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Misc :
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Instrument : BNA_M
ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

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

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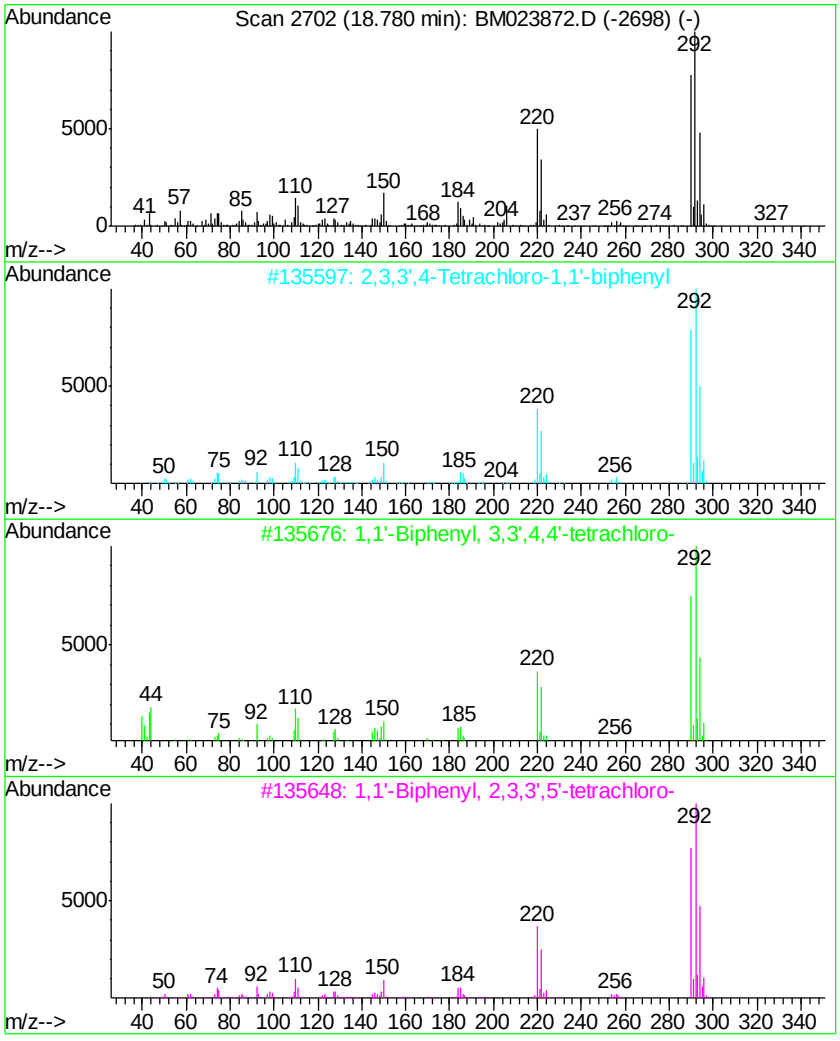
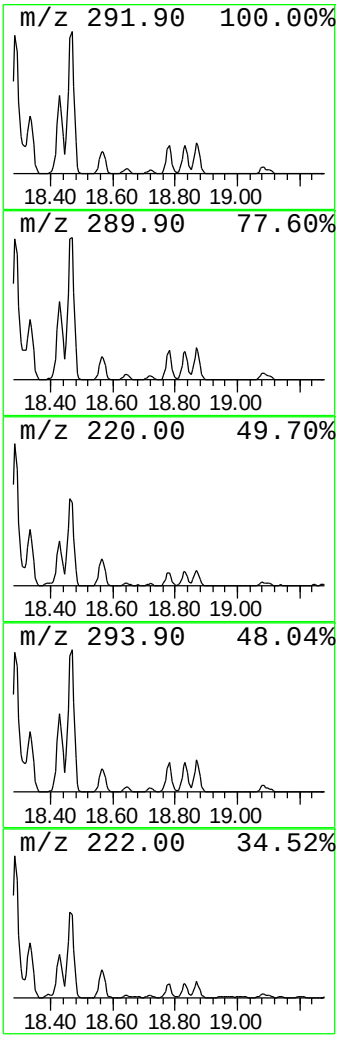
Peak Number 29 2,3,3',4-Tetrachloro-1,1'-b... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	5.19 ng/ul	1460800	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	99
2	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
5	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	99





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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

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

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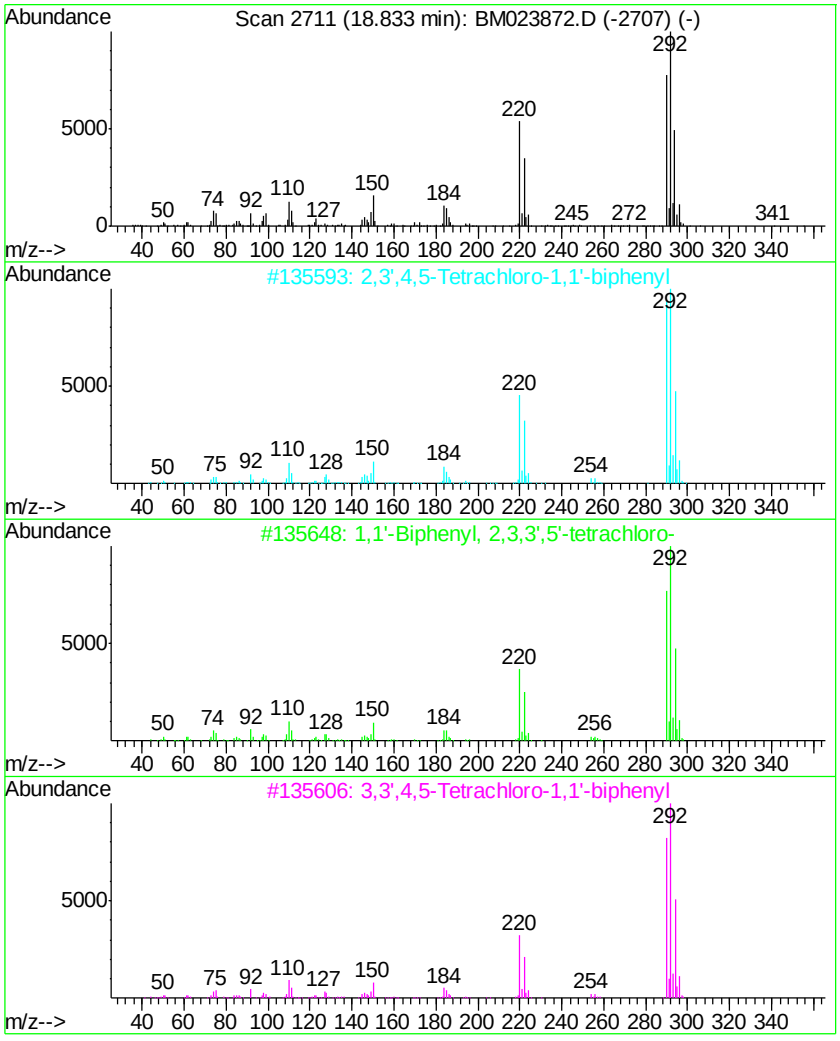
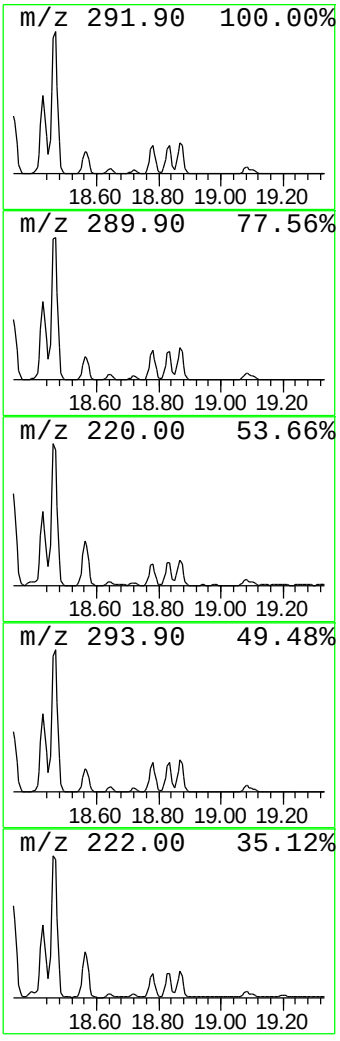
Peak Number 30 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	5.19 ng/ul	1460710	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
2	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
4	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99





Library Search Compound Report

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ClientSampleId : C0AB8

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Quant Title : SVOA CALIBRATION

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

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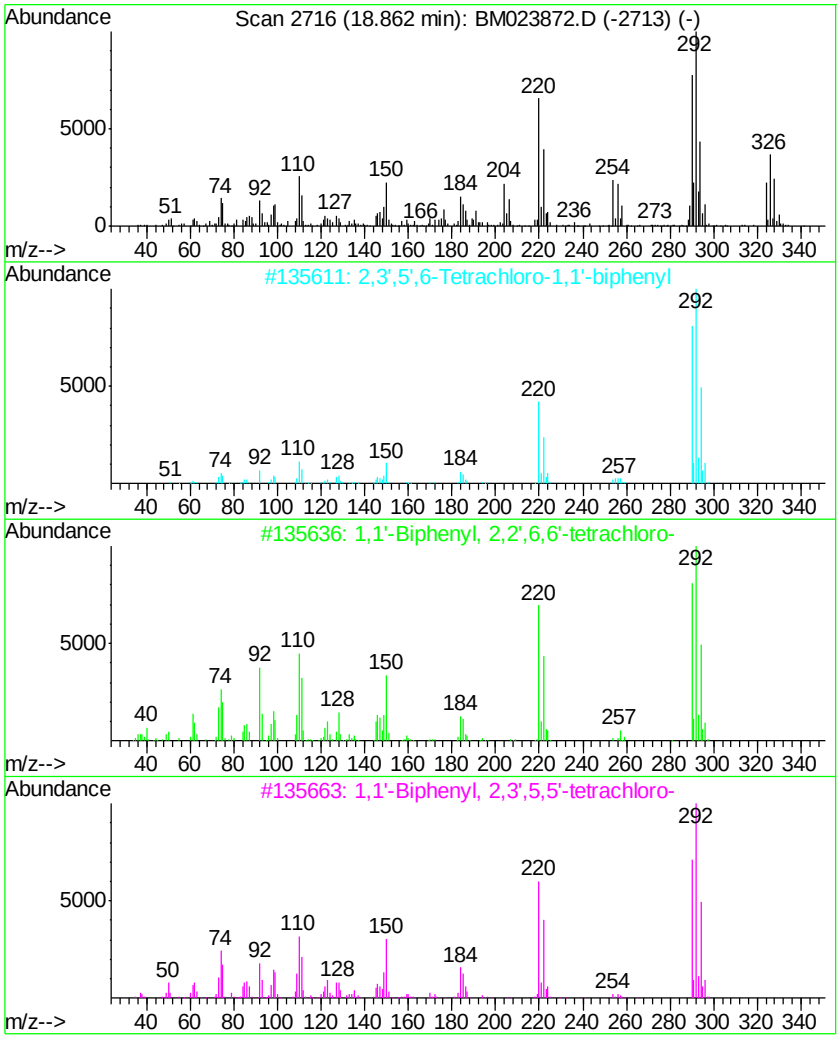
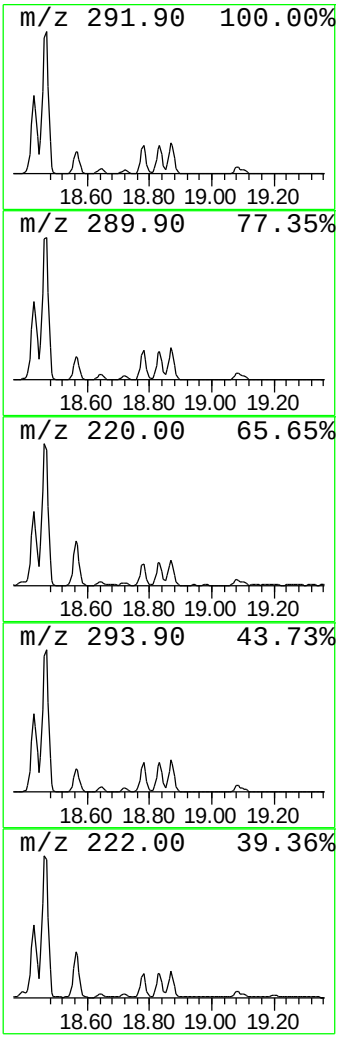
Peak Number 31 2,3',5',6-Tetrachloro-1,1'-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	8.40 ng/ul	2365630	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	98
3	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	95
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	95
5	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	95





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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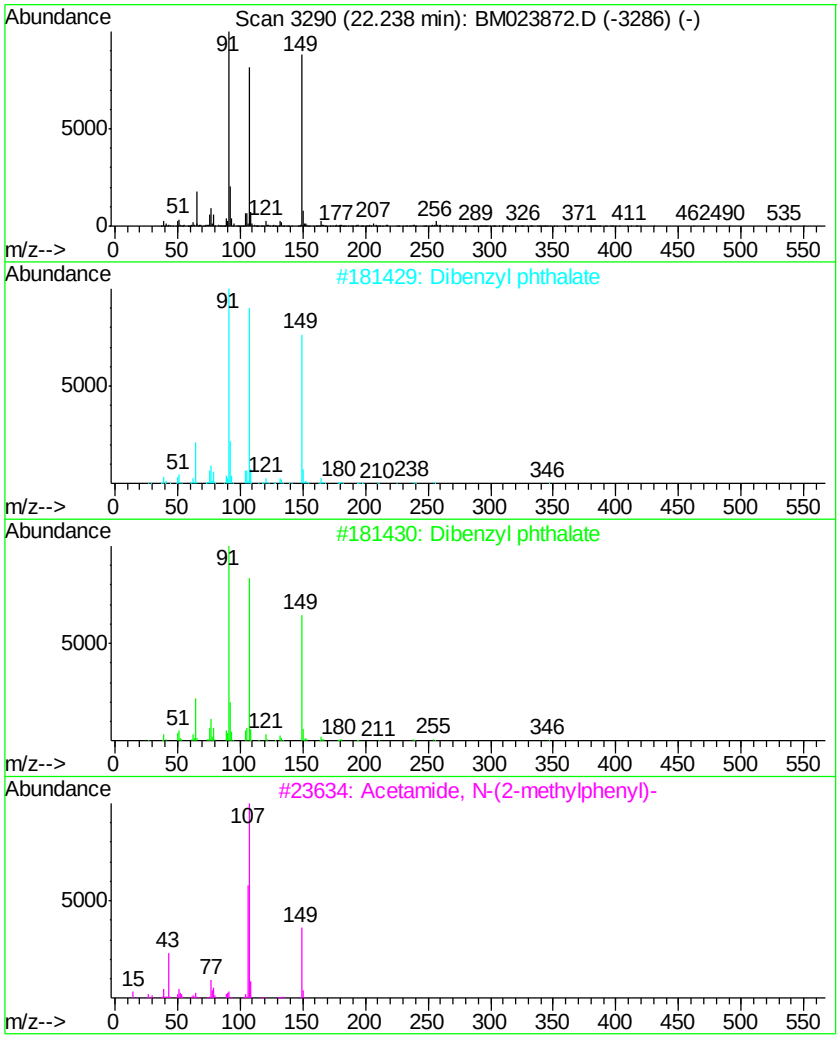
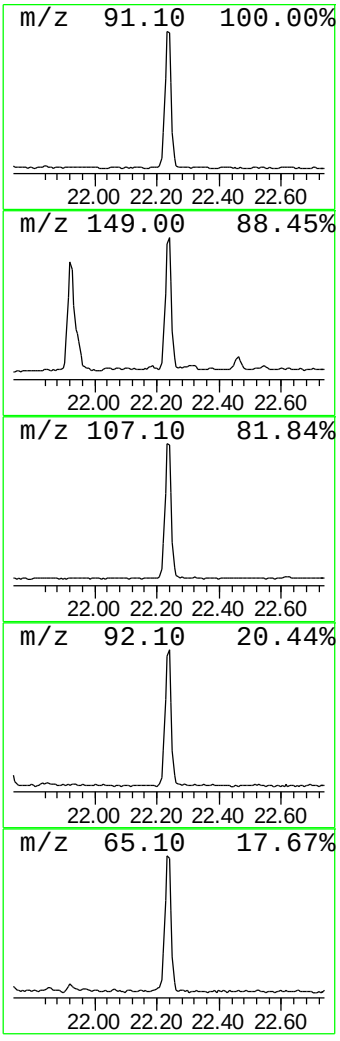
Peak Number 32 Dibenzyl phthalate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.24	10.97 ng/ul	2969080	Perylene-d12	23.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzyl phthalate	346	C22H18O4	000523-31-9	91
2	Dibenzyl phthalate	346	C22H18O4	000523-31-9	81
3	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	64
4	2-(Pentyloxycarbonyl)benzoic acid	236	C13H16O4	1000373-49-7	38
5	2-Iodobenzyl alcohol, acetate	276	C9H9IO2	1000364-47-1	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112219\
Data File : BM023872.D
Acq On : 23 Nov 2019 00:22
Operator : JU
Sample : K5854-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.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
Toluene	3.76	3.5	ng/ul	365118	1	7.50	2091260	20.0
Ethylbenzene	5.05	2.6	ng/ul	276795	1	7.50	2091260	20.0
Benzene, 1,3-dime...	5.18	8.5	ng/ul	889489	1	7.50	2091260	20.0
Benzene, 1-ethyl-...	6.61	3.8	ng/ul	395585	1	7.50	2091260	20.0
Benzene, 1,2,3-tr...	7.16	6.7	ng/ul	704493	1	7.50	2091260	20.0
Benzene, 1,2-diet...	8.15	2.4	ng/ul	254252	1	7.50	2091260	20.0
(DEL) Alkane: Str...	8.74	2.6	ng/ul	272216	1	7.50	2091260	20.0
1,1'-Biphenyl, 2,...	16.46	7.8	ng/ul	2198880	4	16.92	5629390	20.0
2-Propanol, 1-chl...	16.70	21.3	ng/ul	5981250	4	16.92	5629390	20.0
Bis(1-chloro-2-pr...	16.81	7.0	ng/ul	1962530	4	16.92	5629390	20.0
1,1'-Biphenyl, 3,...	17.10	19.1	ng/ul	5391350	4	16.92	5629390	20.0
1,1'-Biphenyl, 2'...	17.38	3.8	ng/ul	1056970	4	16.92	5629390	20.0
1,1'-Biphenyl, 2,...	17.41	2.9	ng/ul	823424	4	16.92	5629390	20.0
1,1'-Biphenyl, 2,...	17.64	14.7	ng/ul	4126770	4	16.92	5629390	20.0
1,1'-Biphenyl, 3,...	17.77	23.9	ng/ul	6714360	4	16.92	5629390	20.0
1,1'-Biphenyl, 2,...	17.83	14.3	ng/ul	4028950	4	16.92	5629390	20.0
1,1'-Biphenyl, 2,...	18.00	36.5	ng/ul	10267000	4	16.92	5629390	20.0
1,1'-Biphenyl, 2,...	18.06	27.6	ng/ul	7762550	4	16.92	5629390	20.0
2,2',4,5-Tetrachl...	18.29	39.4	ng/ul	11091100	4	16.92	5629390	20.0
2,2',4,6'-Tetrach...	18.33	14.3	ng/ul	4036130	4	16.92	5629390	20.0
1,1'-Biphenyl, 2,...	18.39	8.5	ng/ul	2389610	4	16.92	5629390	20.0
1,1'-Biphenyl, 3,...	18.43	12.3	ng/ul	3453520	4	16.92	5629390	20.0
1,1'-Biphenyl, 2,...	18.46	24.8	ng/ul	6969040	4	16.92	5629390	20.0
1,1'-Biphenyl, 2,...	18.56	7.1	ng/ul	2003570	4	16.92	5629390	20.0
2,3,3',4-Tetrachl...	18.78	5.2	ng/ul	1460800	4	16.92	5629390	20.0
2,3',4,5-Tetrachl...	18.83	5.2	ng/ul	1460710	4	16.92	5629390	20.0
2,3',5',6-Tetrach...	18.86	8.4	ng/ul	2365630	4	16.92	5629390	20.0
Dibenzyl phthalate	22.24	11.0	ng/ul	2969080	6	23.28	5411330	20.0