LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111721\
Data File : BM033168.D
Acq On : 18 Nov 2021 23:24
Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4272

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\SFAM-EPA-BM111721.M
Title : SVOA CALIBRATION

Signal : TIC: BM033168.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.649	50	53	56	rBV2	15153	17977	0.11%	0.028%
2	4.054	117	122	131	rVB3	51496	81445	0.50%	0.128%
3	4.154	135	139	144	rVB	43366	56972	0.35%	0.090%
4	7.966	779	787	797	rBV	461189	754004	4.59%	1.186%
5	10.760	1255	1262	1272	rVB	574171	988446	6.02%	1.555%
6	12.848	1611	1617	1624	rVB7	11967	27625	0.17%	0.043%
7	13.001	1636	1643	1647	rBV3	16402	25342	0.15%	0.040%
8	13.048	1647	1651	1654	rVV3	12665	20585	0.13%	0.032%
9	13.077	1654	1656	1662	rVB2	14390	18995	0.12%	0.030%
10	13.266	1681	1688	1693	rBV2	14655	23609	0.14%	0.037%
11	13.407	1706	1712	1717	rBV3	26430	44323	0.27%	0.070%
12	13.454	1717	1720	1726	rVB2	17331	23426	0.14%	0.037%
13	14.583	1901	1912	1922	rVV2	899479	1550279	9.44%	2.439%
14	14.701	1927	1932	1938	rVB2	106470	158954	0.97%	0.250%
15	15.412	2048	2053	2058	rVB	48709	75061	0.46%	0.118%
16	15.524	2066	2072	2077	rBV2	69998	112307	0.68%	0.177%
17	15.618	2083	2088	2099	rVB2	122000	196146	1.19%	0.309%
18	15.783	2110	2116	2119	rBV	94025	132055	0.80%	0.208%
19	15.859	2119	2129	2135	rVB2	9241455	16422950	100.00%	25.834%
20	16.059	2156	2163	2166	rBV3	13147	20090	0.12%	0.032%
21	16.165	2174	2181	2187	rBV	6221715	8492331	51.71%	13.359%
22	16.212	2187	2189	2194	rVV	63743	81566	0.50%	0.128%
23	16.271	2194	2199	2204	rVB	181108	247162	1.50%	0.389%
24	16.389	2214	2219	2222	rBV	83200	110191	0.67%	0.173%
25	16.436	2222	2227	2236	rVV	395870	619502	3.77%	0.974%
26	16.554	2238	2247	2254	rVV	1939400	2719412	16.56%	4.278%
27	16.689	2265	2270	2275	rBV4	20187	31389	0.19%	0.049%
28	16.848	2289	2297	2303	rBV	389932	553749	3.37%	0.871%
29	16.918	2303	2309	2314	rVB2	18423	29409	0.18%	0.046%
30	17.195	2350	2356	2359	rBV	1604629	2191316	13.34%	3.447%
31	17.230	2359	2362	2368	rVV	1146322	1512238	9.21%	2.379%
32	17.318	2368	2377	2389	rVB2	1190427	2728742	16.62%	4.292%
33	17.489	2399	2406	2413	rBV	1129717	1700297	10.35%	2.675%
34	17.606	2421	2426	2430	rBV8	9408	19104	0.12%	0.030%
35	17.648	2430	2433	2435	rVV2	14591	18110	0.11%	0.028%
36	17.683	2435	2439	2447	rVV4	28083	44385	0.27%	0.070%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111721\
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Acq On : 18 Nov 2021 23:24
Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4272

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\SFAM-EPA-BM111721.M
Title : SVOA CALIBRATION

37	17.765	2447	2453	2456	rVV	389659	549329	3.34%	0.864%
38	17.795	2456	2458	2465	rVB	196985	235128	1.43%	0.370%
39	17.912	2470	2478	2486	rVV	2861109	5823466	35.46%	9.160%
40	18.042	2493	2500	2507	rBV2	1418556	2140698	13.03%	3.367%
41	18.112	2507	2512	2515	rBV	77931	106678	0.65%	0.168%
42	18.165	2515	2521	2526	rVV	854209	1172883	7.14%	1.845%
43	18.218	2526	2530	2536	rVB	242312	343891	2.09%	0.541%
44	18.330	2544	2549	2553	rBV	94617	128731	0.78%	0.202%
45	18.383	2553	2558	2564	rVV	931940	1263341	7.69%	1.987%
46	18.442	2564	2568	2572	rVV	693024	949290	5.78%	1.493%
47	18.483	2572	2575	2582	rVB	664006	853038	5.19%	1.342%
48	18.665	2599	2606	2611	rBV	788292	1168450	7.11%	1.838%
49	18.712	2611	2614	2618	rVV	321924	415975	2.53%	0.654%
50	18.765	2618	2623	2626	rVV	445029	596804	3.63%	0.939%
51	18.800	2626	2629	2632	rVV	306616	415334	2.53%	0.653%
52	18.842	2632	2636	2641	rVB	636230	868041	5.29%	1.365%
53	18.942	2648	2653	2658	rVB	153678	218726	1.33%	0.344%
54	19.012	2661	2665	2668	rBV4	28674	40278	0.25%	0.063%
55	19.083	2673	2677	2682	rVB3	27635	37516	0.23%	0.059%
56	19.142	2682	2687	2691	rBV	221371	300571	1.83%	0.473%
57	19.195	2691	2696	2699	rVV	396466	547832	3.34%	0.862%
58	19.230	2699	2702	2708	rVB3	347782	485285	2.95%	0.763%
59	19.306	2712	2715	2718	rVB4	30193	33764	0.21%	0.053%
60	19.442	2733	2738	2745	rBV	102769	230716	1.40%	0.363%
61	19.500	2745	2748	2754	rVV4	64080	86090	0.52%	0.135%
62	19.565	2756	2759	2763	rVV4	22162	25945	0.16%	0.041%
63	19.942	2821	2823	2827	rBV5	30790	39098	0.24%	0.062%
64	19.989	2829	2831	2835	rVV5	15730	19335	0.12%	0.030%
65	21.377	3065	3067	3072	rVB2	70595	77516	0.47%	0.122%
66	21.471	3078	3083	3089	rBV	1062834	1347823	8.21%	2.120%
67	23.818	3476	3482	3489	rVB	595212	1200433	7.31%	1.888%

Sum of corrected areas: 63571499

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ALS Vial : 43 Sample Multiplier: 1

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ClientSampleId :
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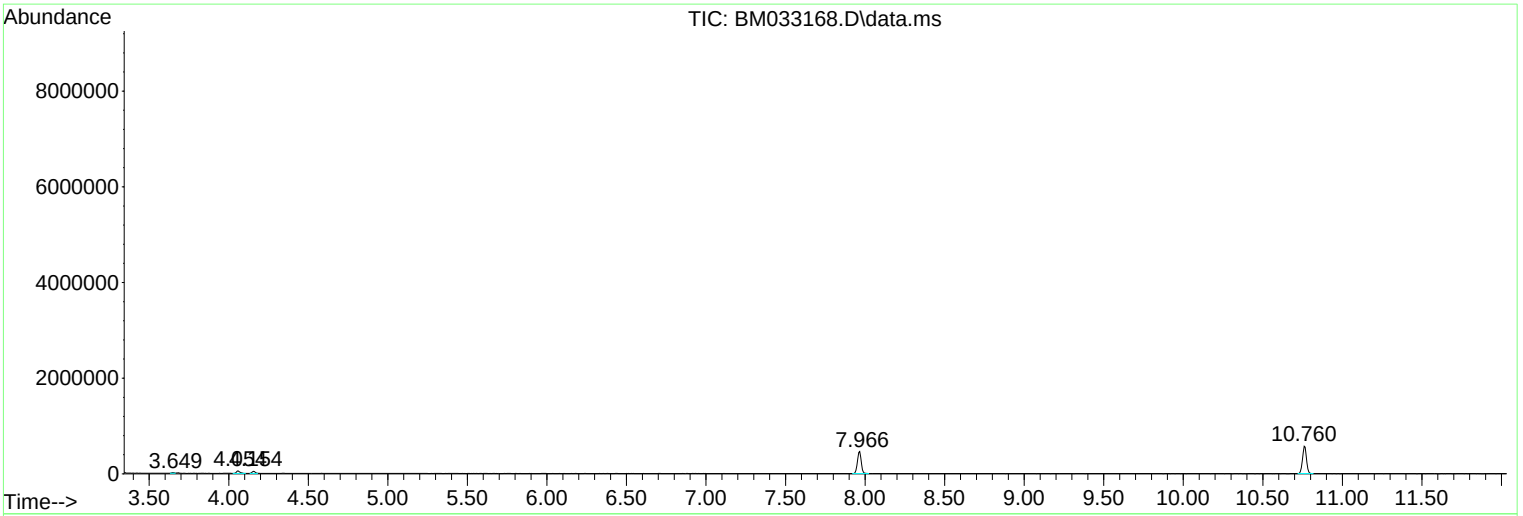
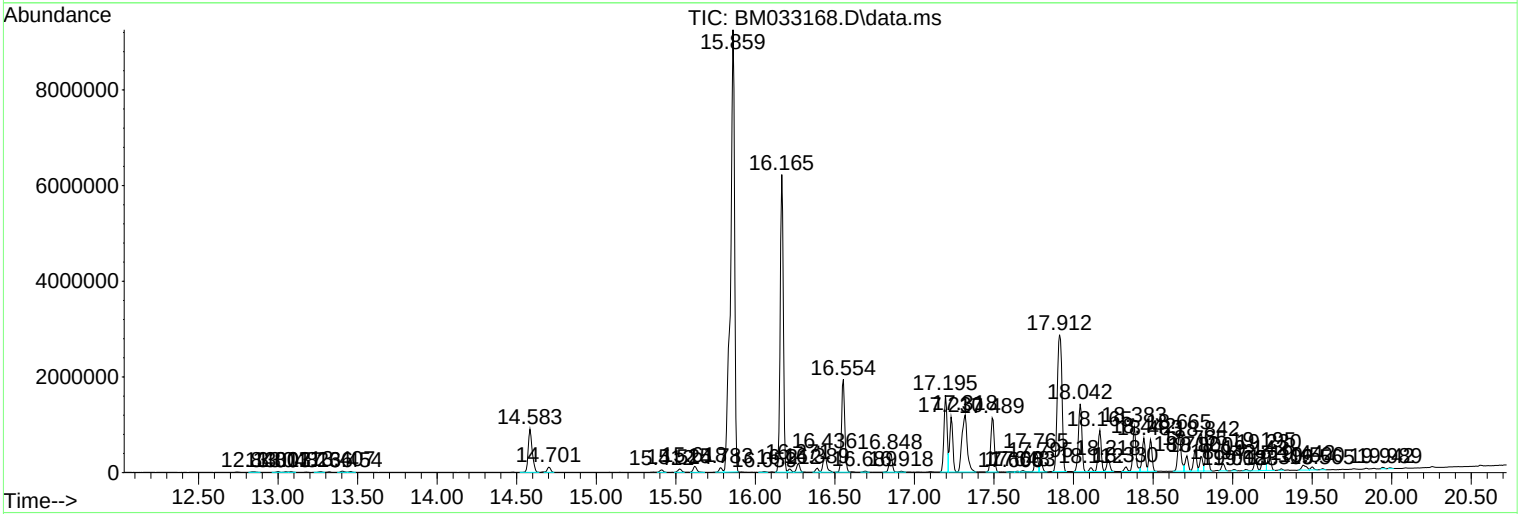
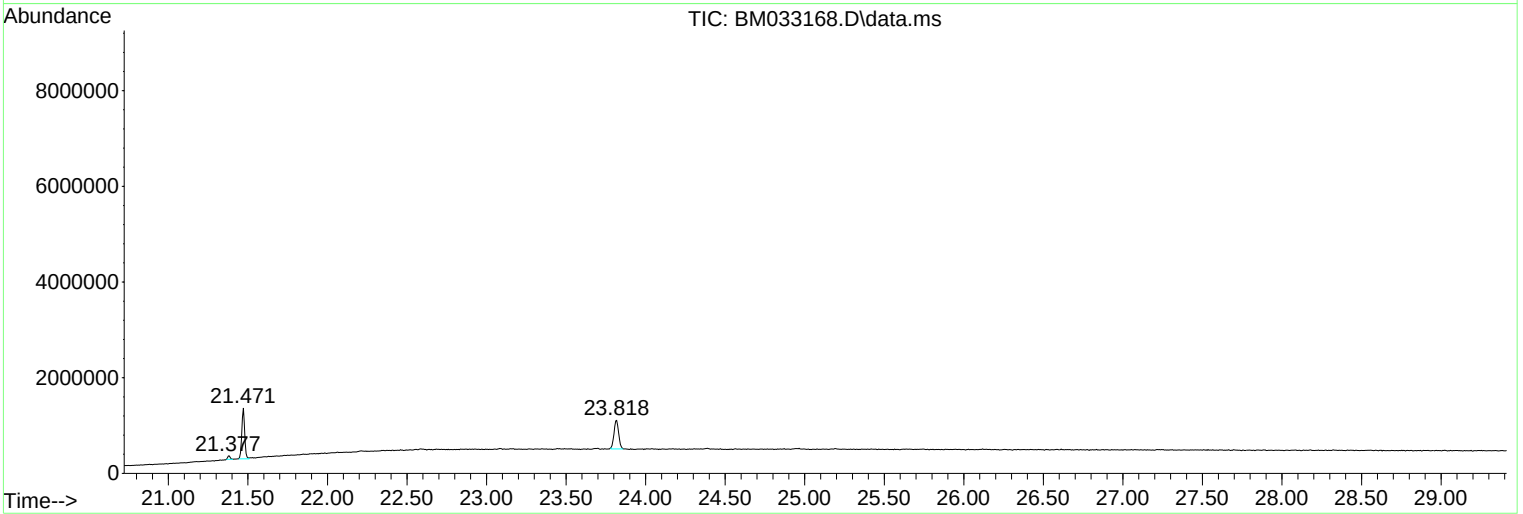
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







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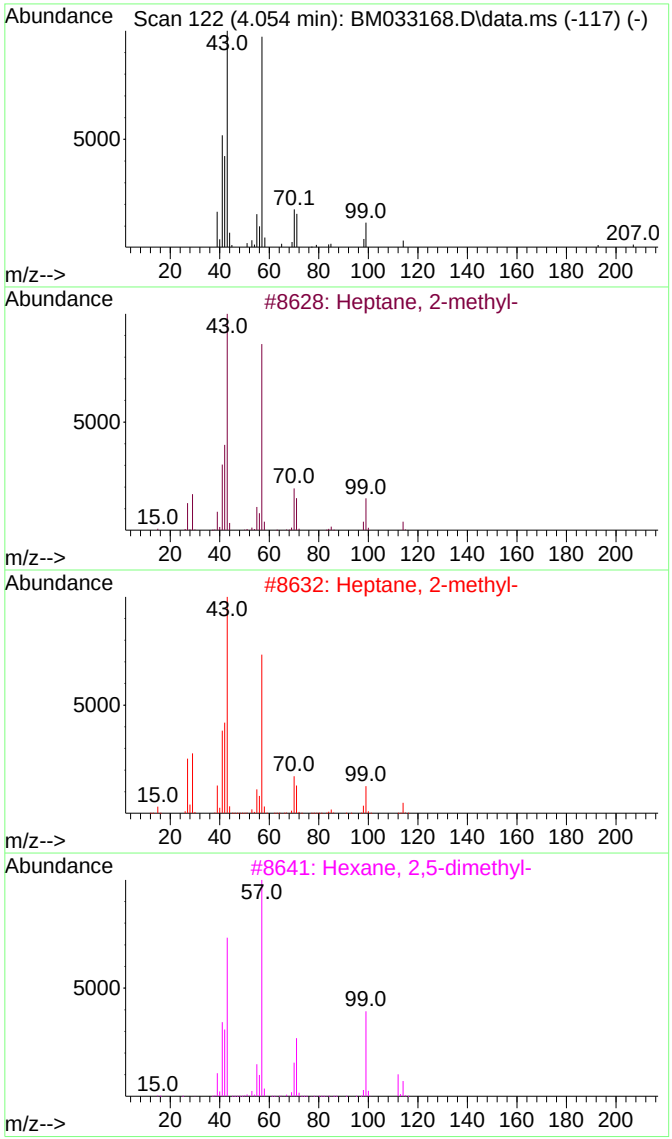
Quant Title : SVOA CALIBRATION

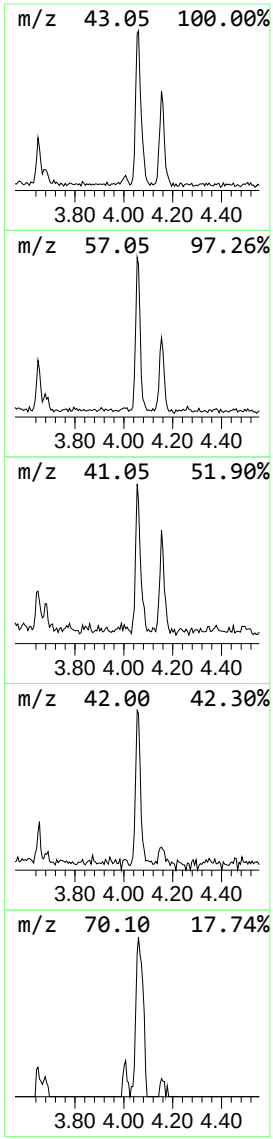
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.054	2.16 ng/ul	81445	1,4-Dichlorobenzene-d4	7.966

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	90
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	78
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	56
5	Piperazine, 1,4-dimethyl-	114	C6H14N2	000106-58-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111721\
Data File : BM033168.D
Acq On : 18 Nov 2021 23:24
Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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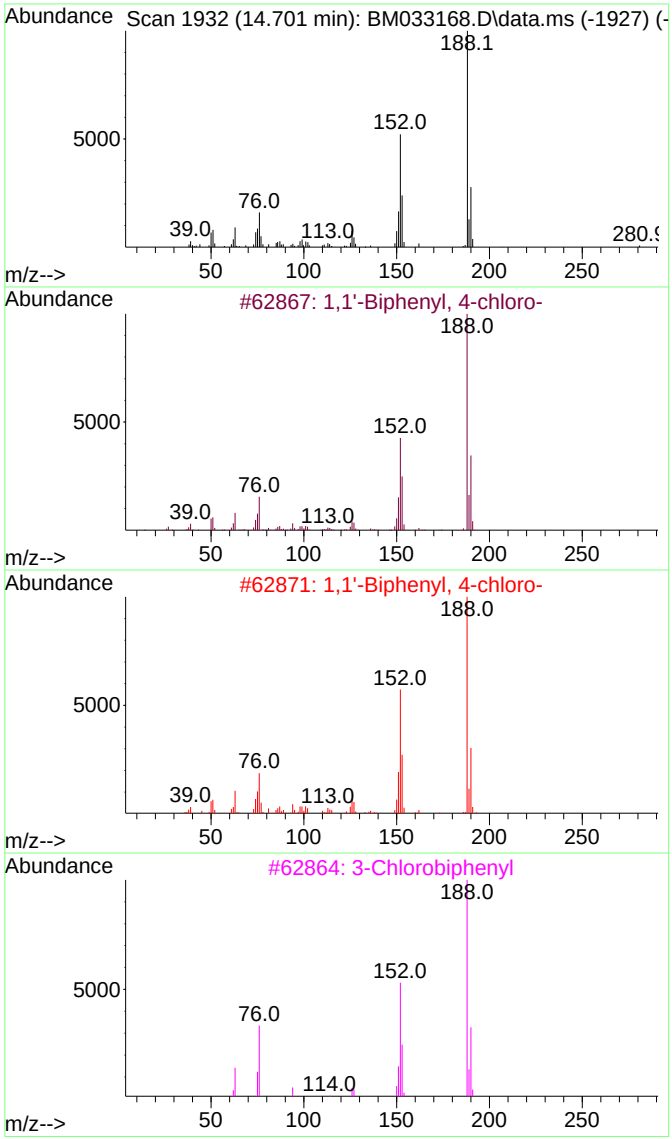
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

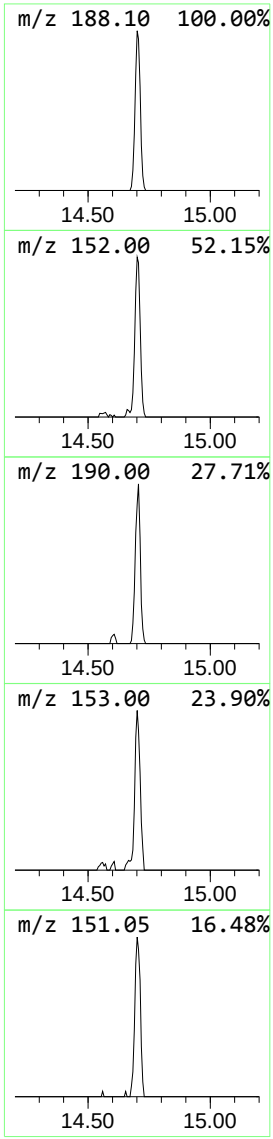
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1,1'-Biphenyl, 4-chloro- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.701	2.05 ng/ul	158954	Acenaphthene-d10	14.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	96
2	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	95
3	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	94
4	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	94
5	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111721\
Data File : BM033168.D
Acq On : 18 Nov 2021 23:24
Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4272

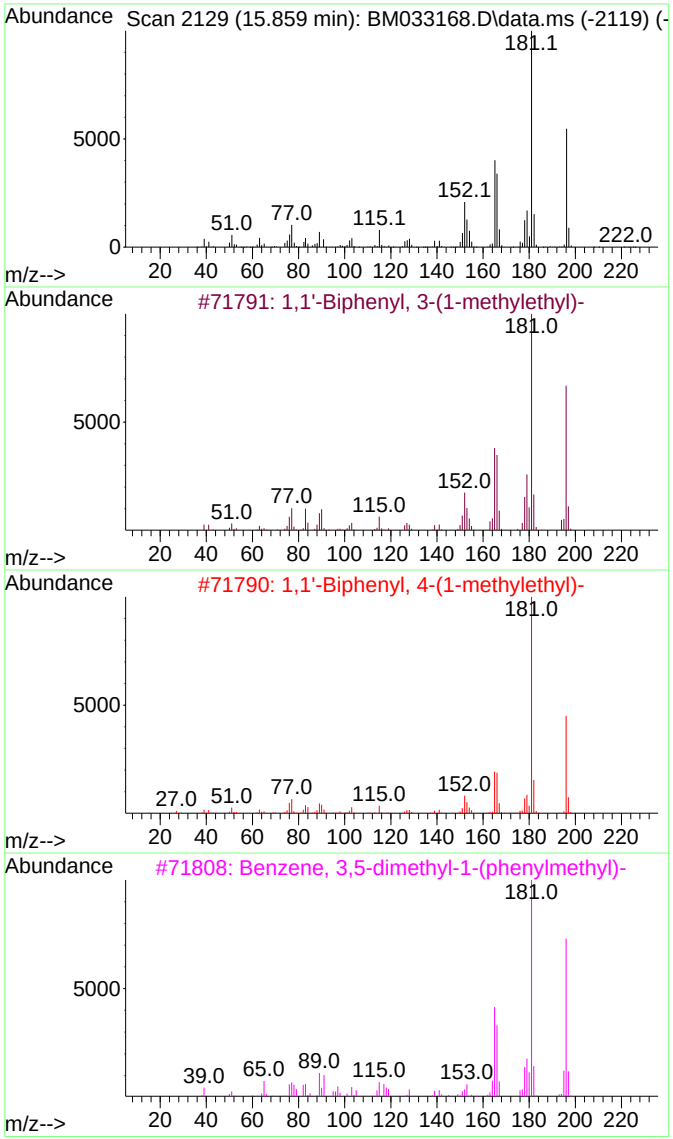
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

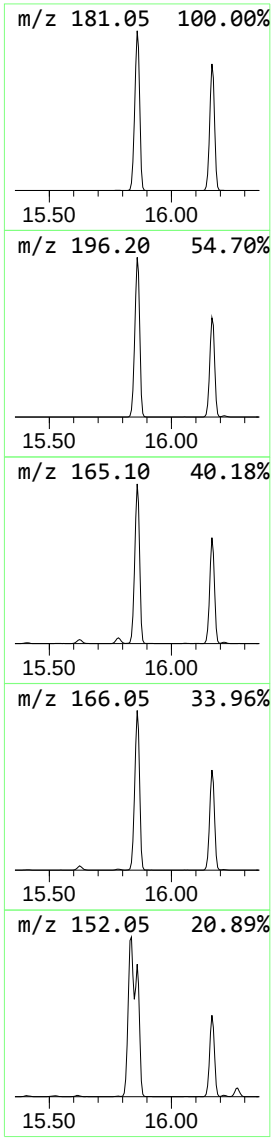
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1,1'-Biphenyl, 3-(1-methyle... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.860	211.87 ng/ul	16423000	Acenaphthene-d10	14.583

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	94
2	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	93
3	Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	93
4	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	91
5	Benzene, 2,4-dimethyl-1-(phenylm...	196	C15H16	028122-28-3	90





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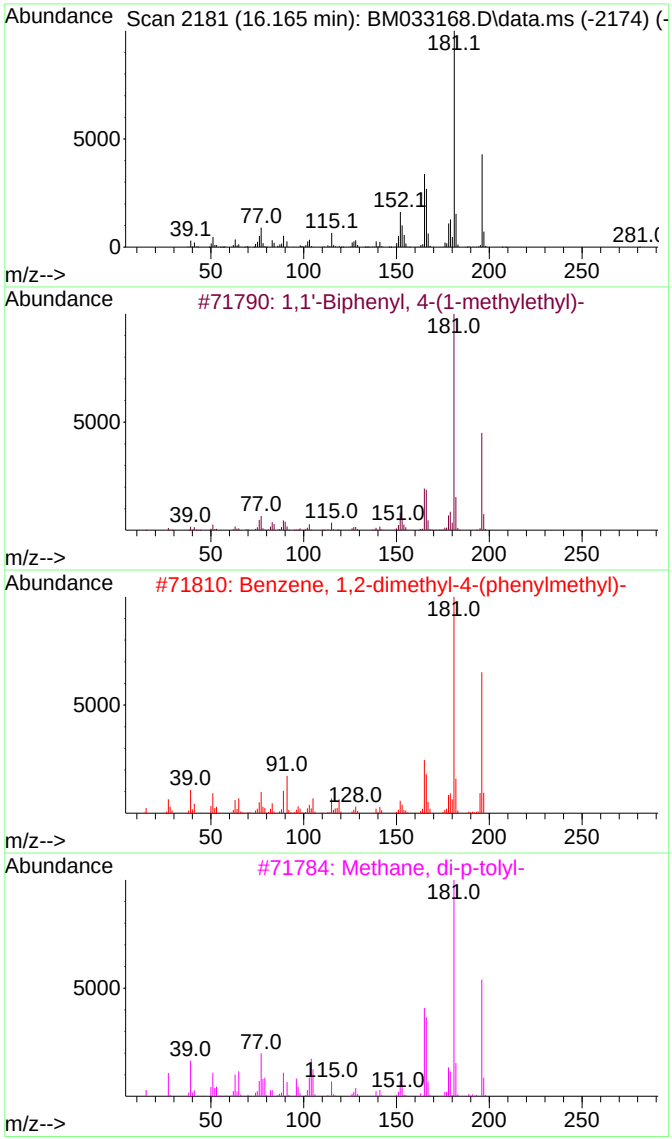
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

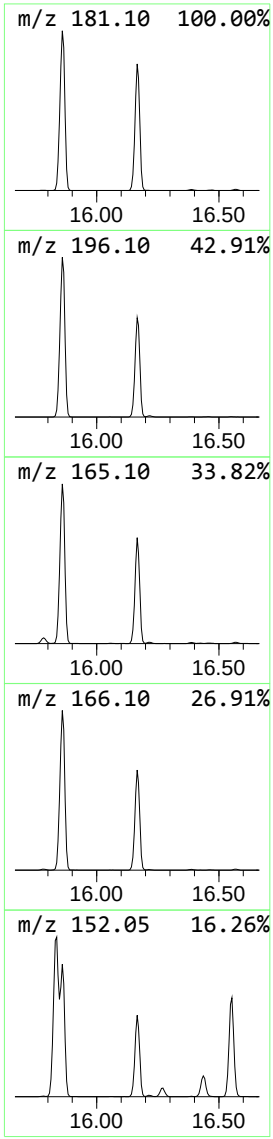
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,1'-Biphenyl, 4-(1-methyle... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.165	62.24 ng/ul	8492330	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	96
2	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	94
3	Methane, di-p-tolyl-	196	C15H16	004957-14-6	94
4	Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	91
5	Benzene, 2,4-dimethyl-1-(phenylm...	196	C15H16	028122-28-3	91





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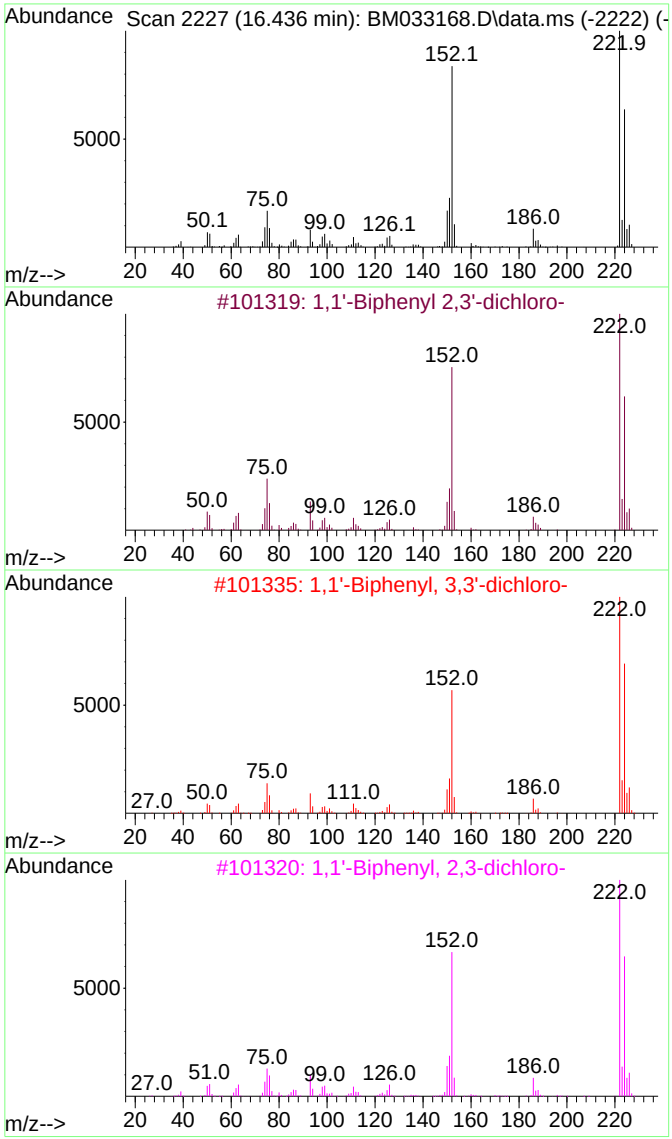
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

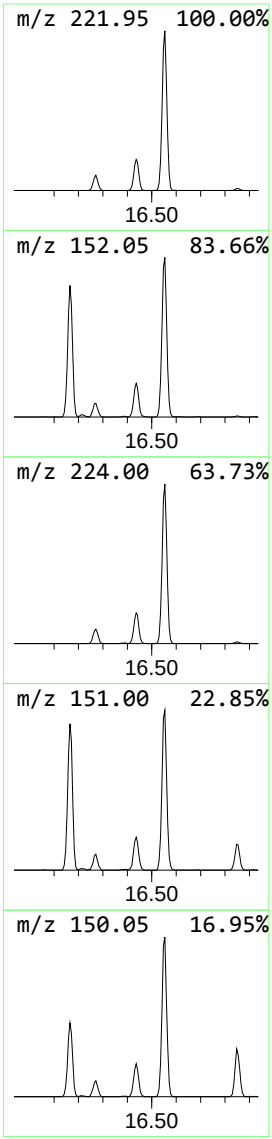
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1,1'-Biphenyl 2,3'-dichloro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.436	4.54 ng/ul	619502	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	98
2	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98
3	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	97
4	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	96
5	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	96





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ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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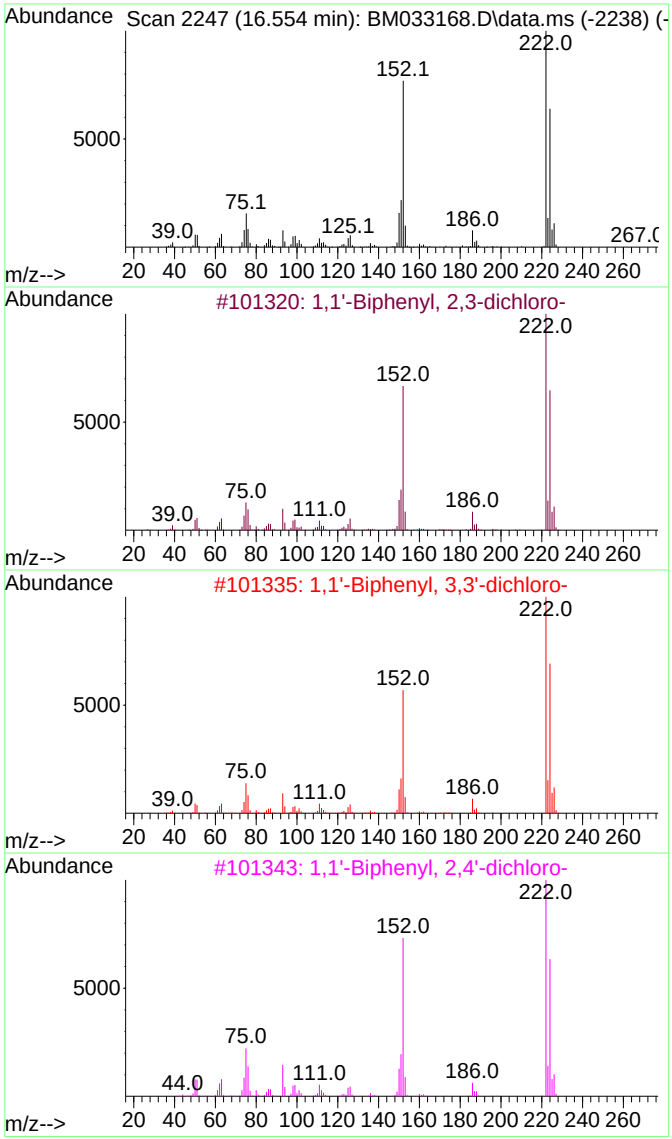
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

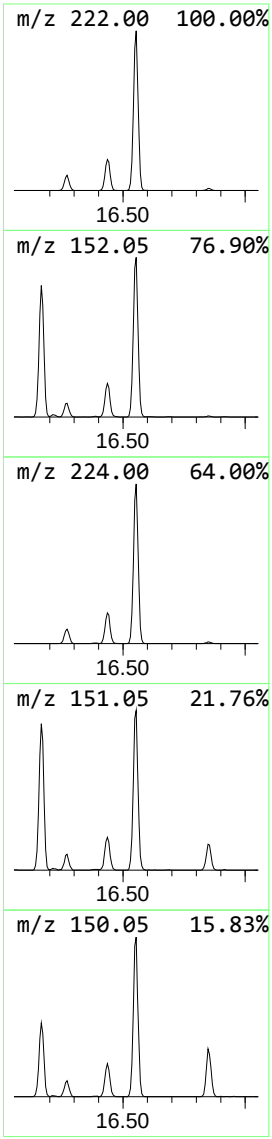
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1,1'-Biphenyl, 3,3'-dichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.554	19.93 ng/ul	2719410	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	98
2	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98
3	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98
4	1,1'-Biphenyl, 3,5-dichloro-	222	C12H8Cl2	034883-41-5	97
5	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	97





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ALS Vial : 43 Sample Multiplier: 1

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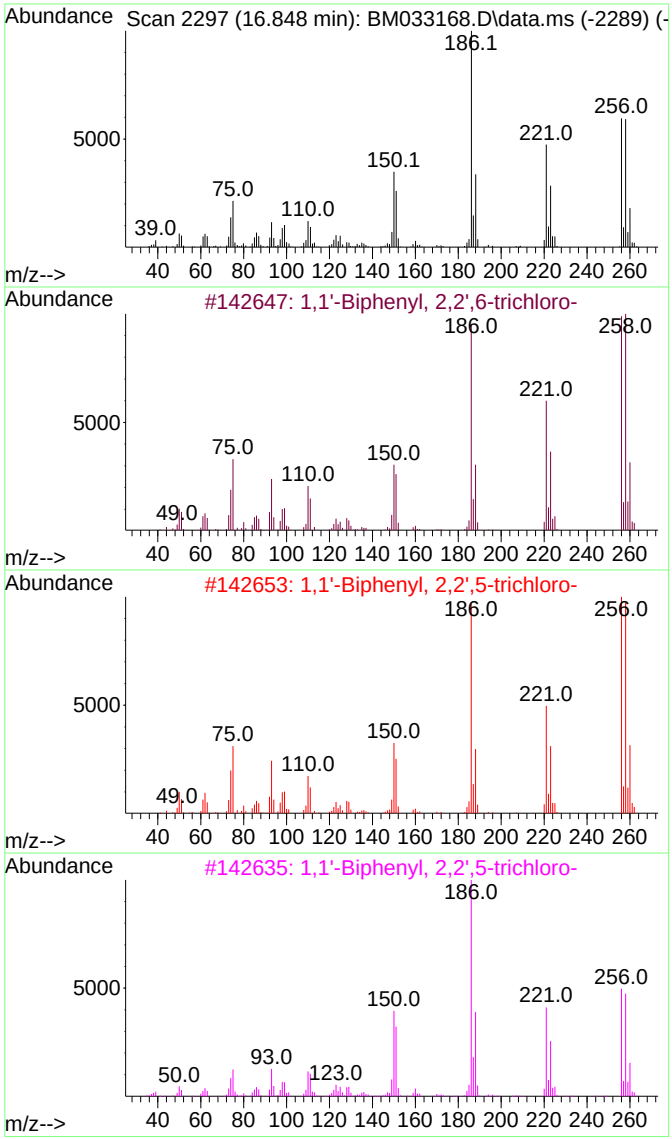
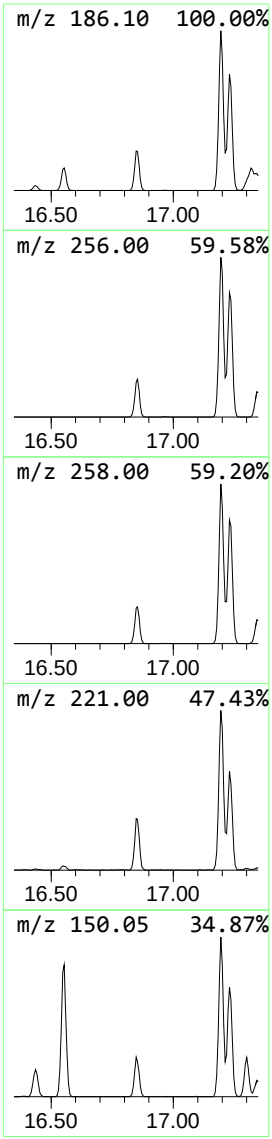
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1,1'-Biphenyl, 2,2',6-trich... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.848	4.06 ng/ul	553749	Phenanthrene-d10	17.318

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	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
5	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	98





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Acq On : 18 Nov 2021 23:24
Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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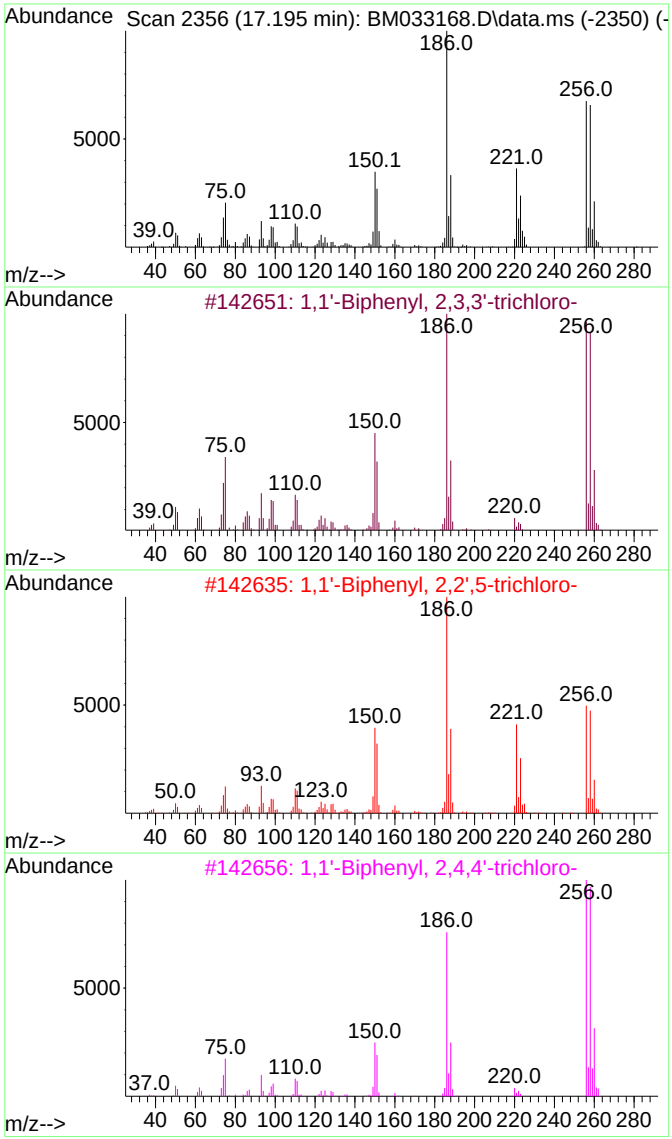
Quant Title : SVOA CALIBRATION

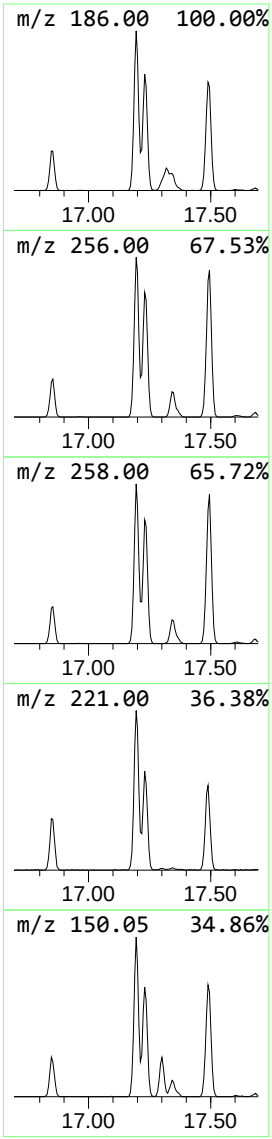
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,1'-Biphenyl, 2,3,3'-trich... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.195	16.06 ng/ul	2191320	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
4	2,2',3-Trichloro-1,1'-biphenyl	256	C12H7Cl3	038444-78-9	98
5	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	98





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Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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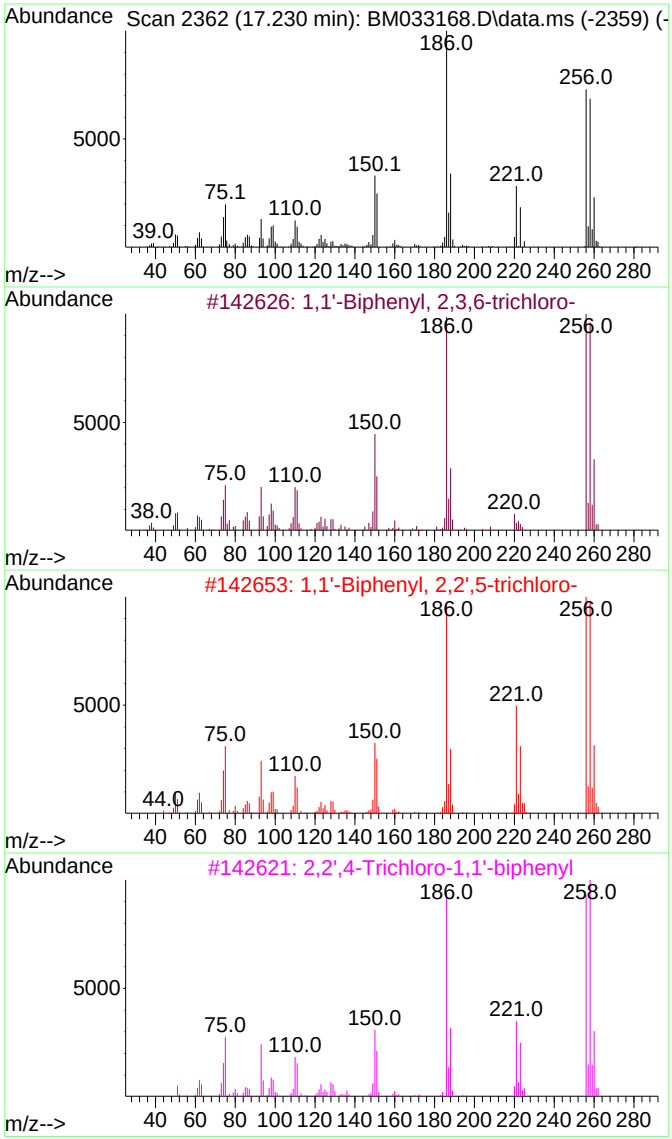
Quant Title : SVOA CALIBRATION

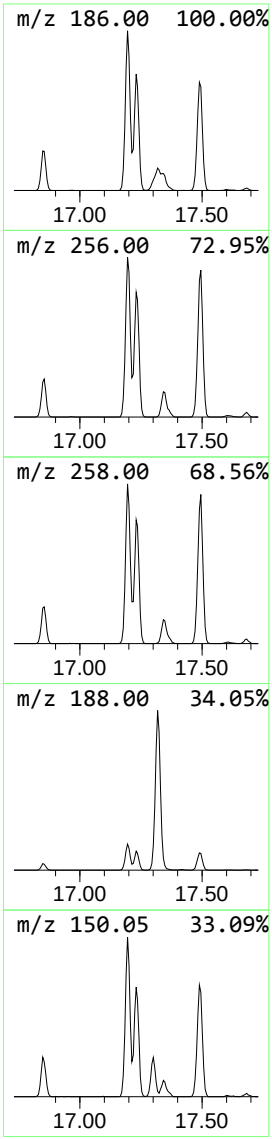
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1,1'-Biphenyl, 2,3,6-trichl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.230	11.08 ng/ul	1512240	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	98
3	2,2',4-Trichloro-1,1'-biphenyl	256	C12H7Cl3	037680-66-3	98
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	97
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96





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Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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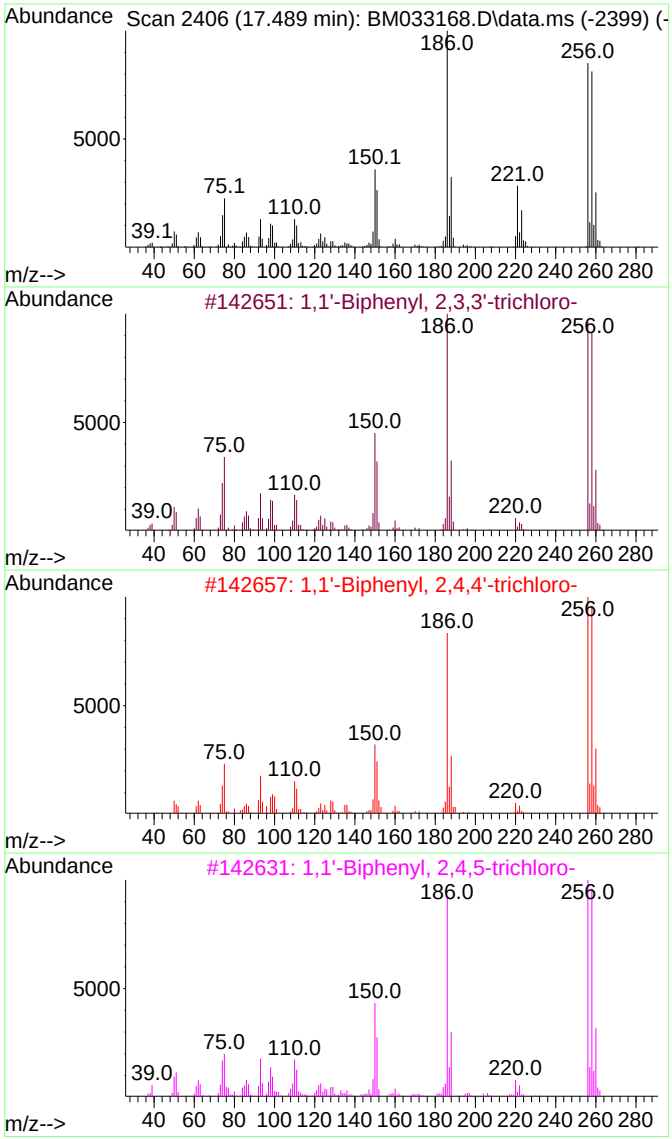
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

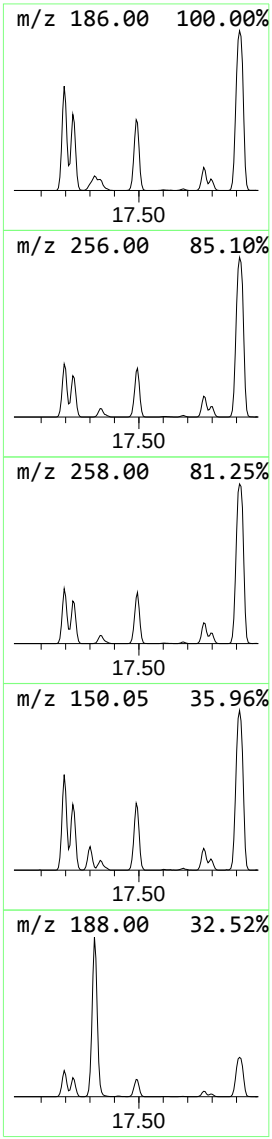
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.489	12.46 ng/ul	1700300	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
3	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	99
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
5	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98





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Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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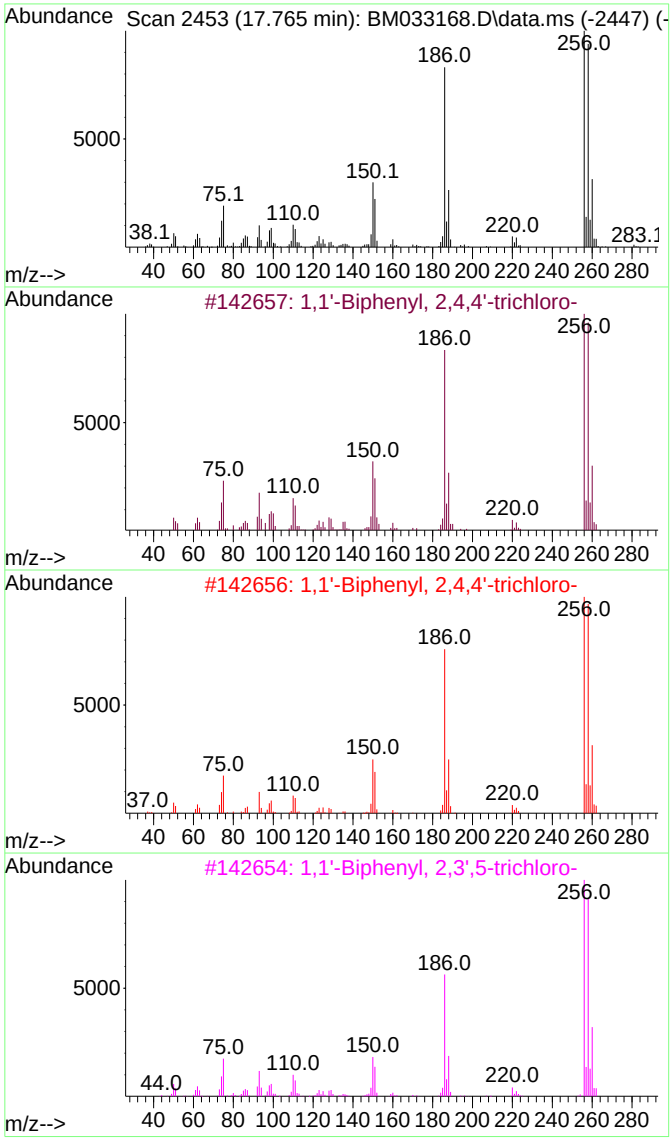
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

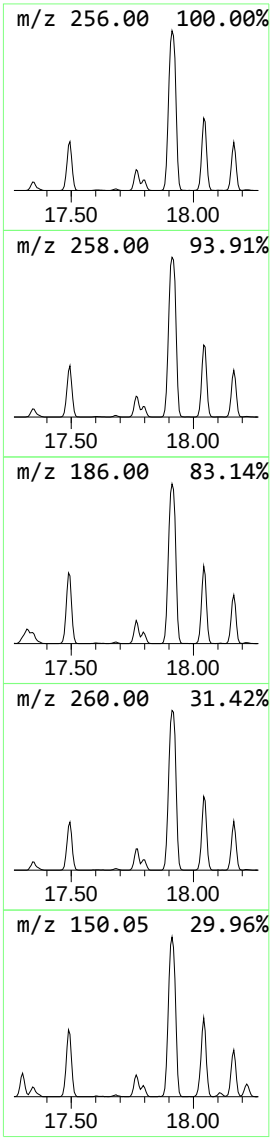
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1,1'-Biphenyl, 2,3',5-trich... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.765	4.03 ng/ul	549329	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
3	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
4	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99
5	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99





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Operator : CG/JU
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ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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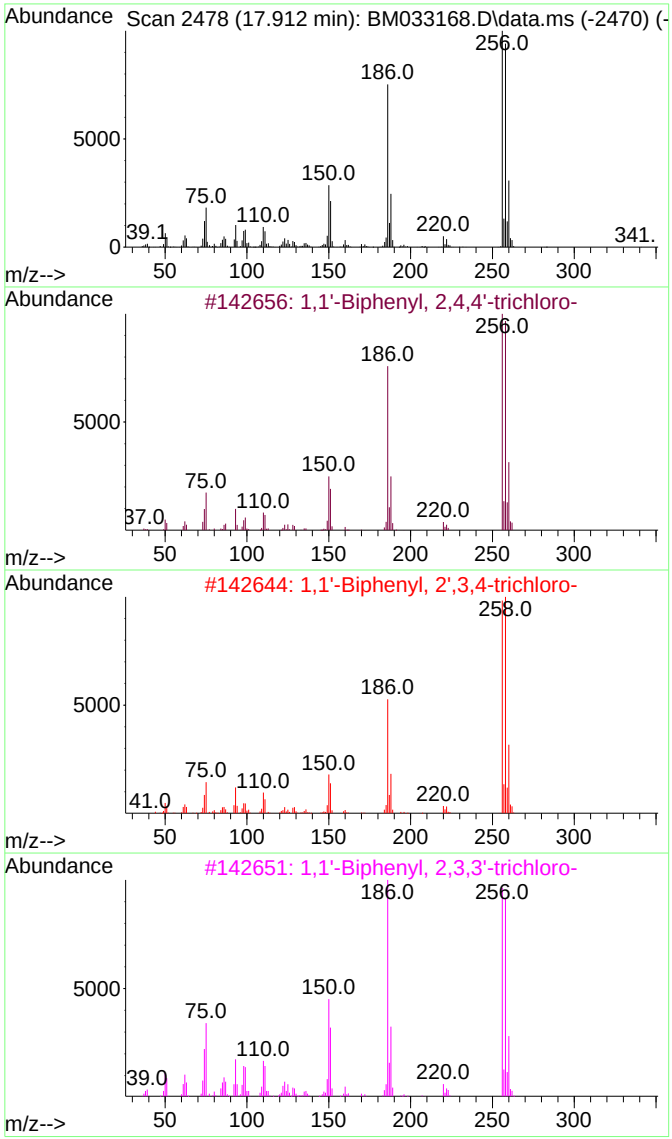
Quant Title : SVOA CALIBRATION

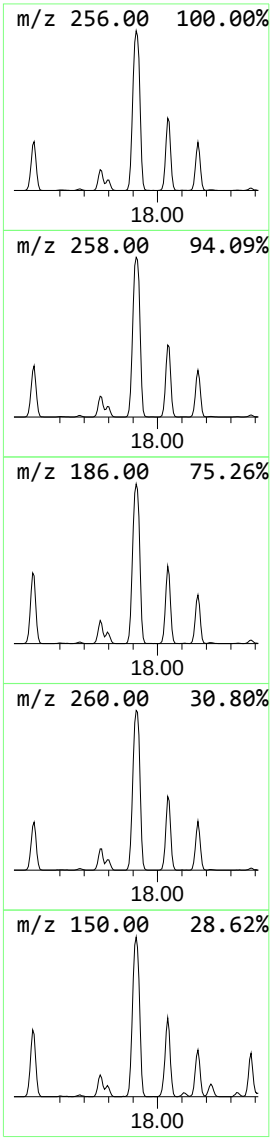
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.912	42.68 ng/ul	5823470	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
3	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99
4	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99
5	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99





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Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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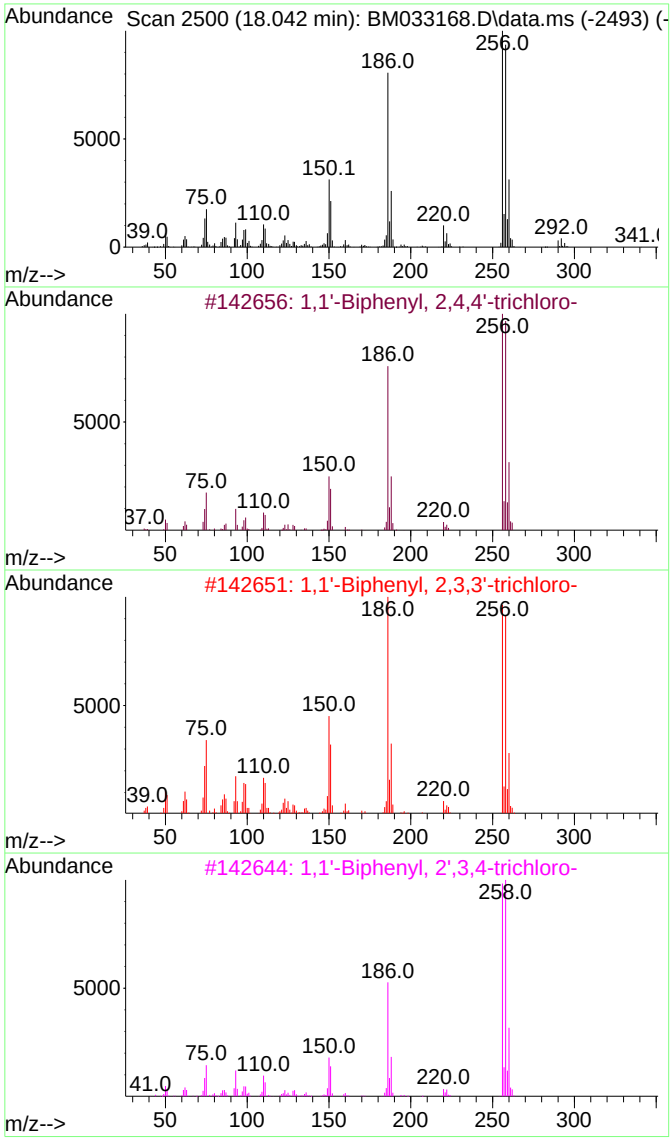
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

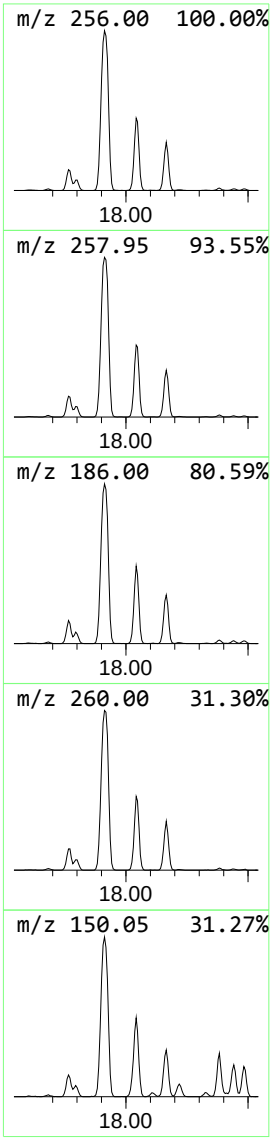
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1,1'-Biphenyl, 2,4,5-trichl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.042	15.69 ng/ul	2140700	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
4	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	99
5	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99





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Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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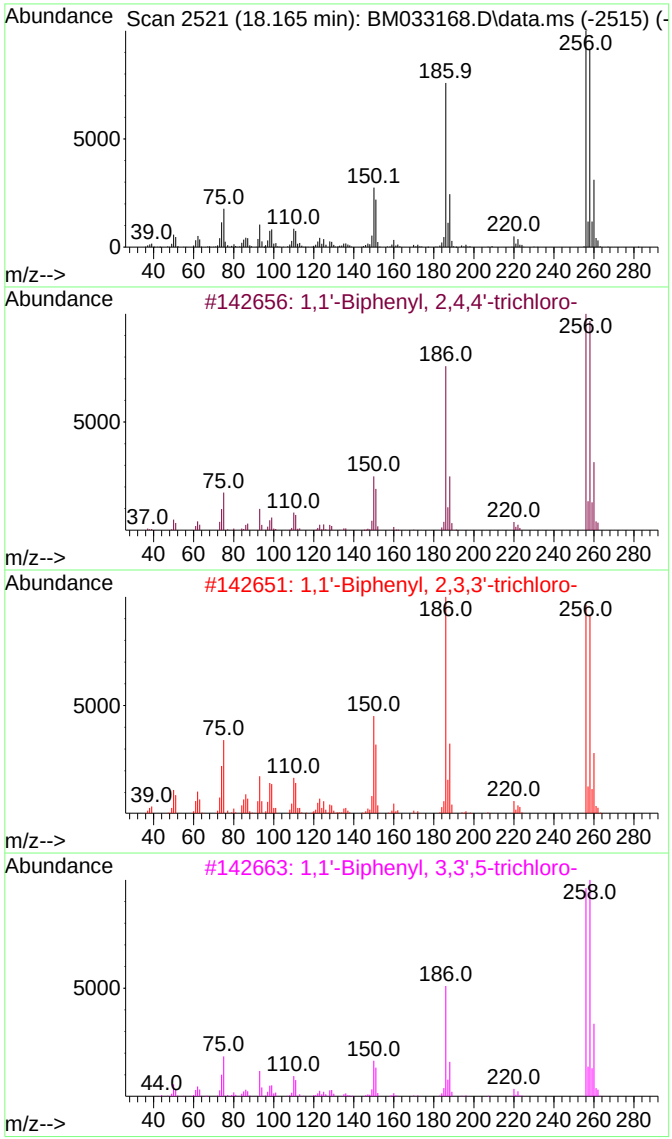
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

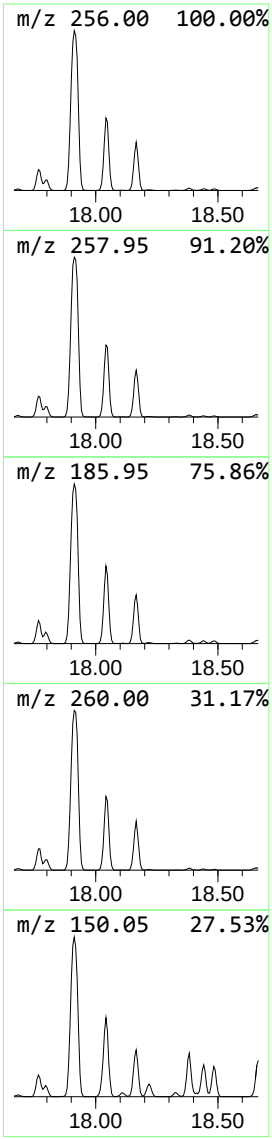
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1,1'-Biphenyl, 3,3',5-trich... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.165	8.60 ng/ul	1172880	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99
3	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
4	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	98
5	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98





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Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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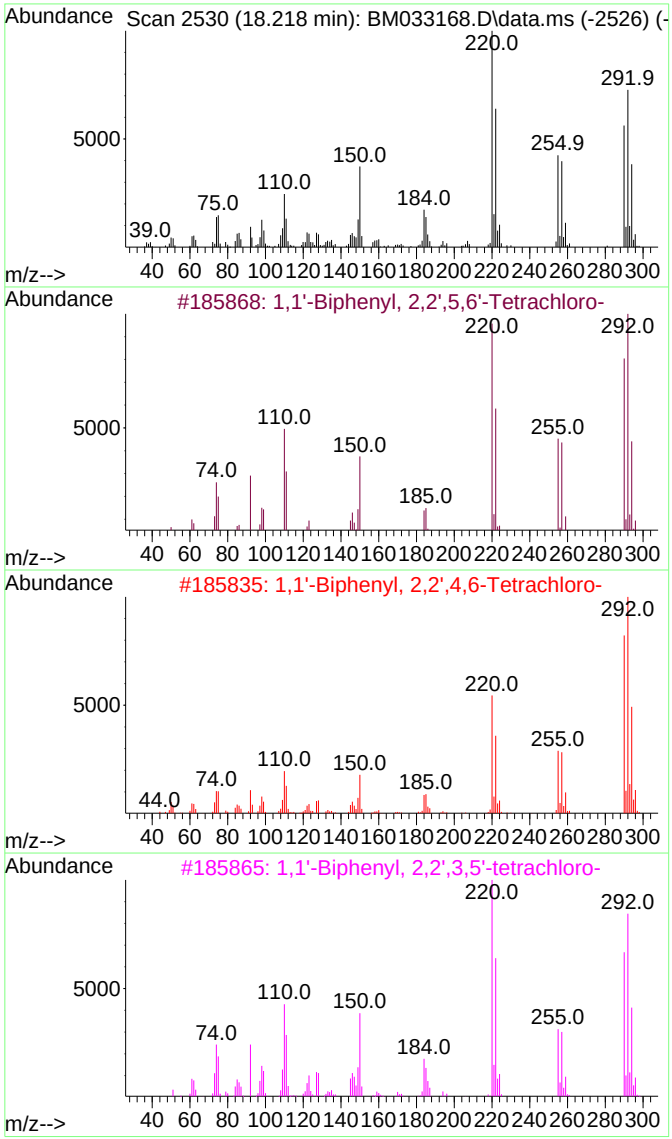
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

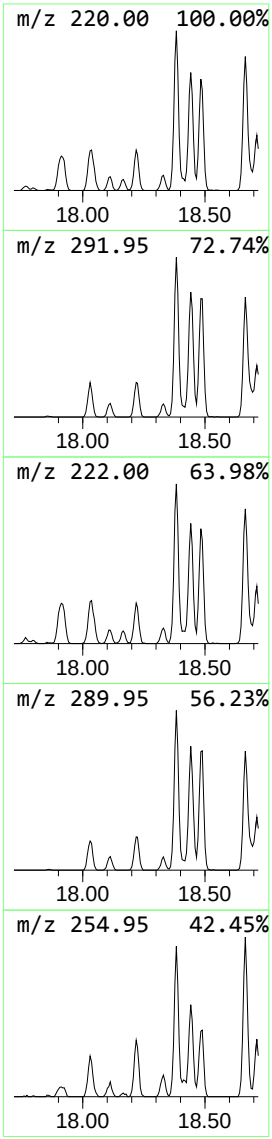
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1,1'-Biphenyl, 2,2',5,6'-Te... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.218	2.52 ng/ul	343891	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99
2	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
3	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99





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ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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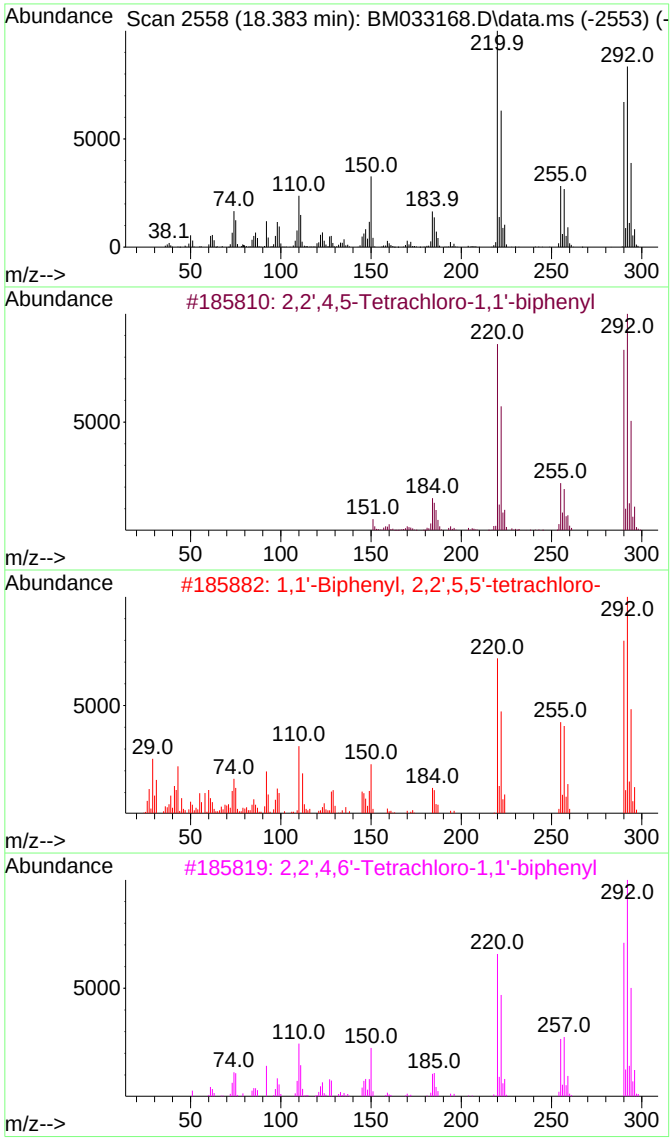
Quant Title : SVOA CALIBRATION

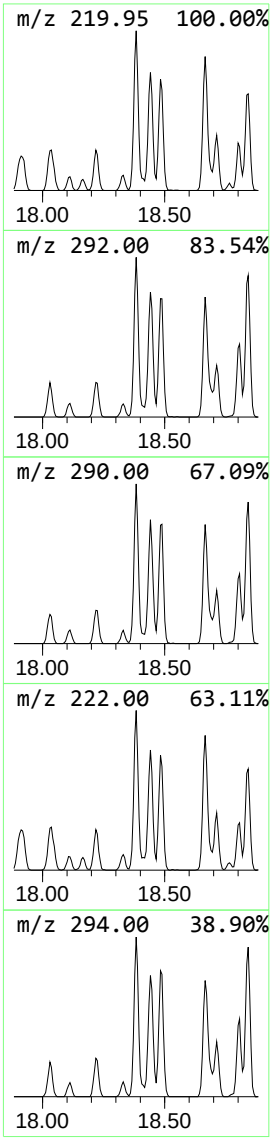
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 2,2',4,5-Tetrachloro-1,1'-b... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.383	9.26 ng/ul	1263340	Phenanthrene-d10	17.318

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	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99





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Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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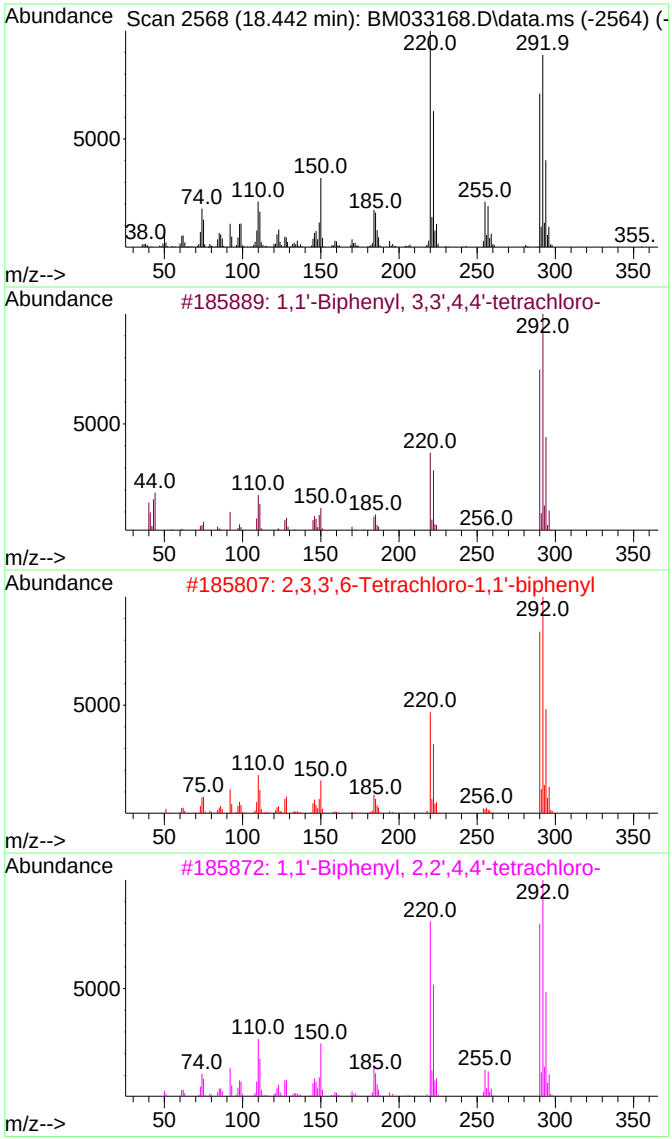
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

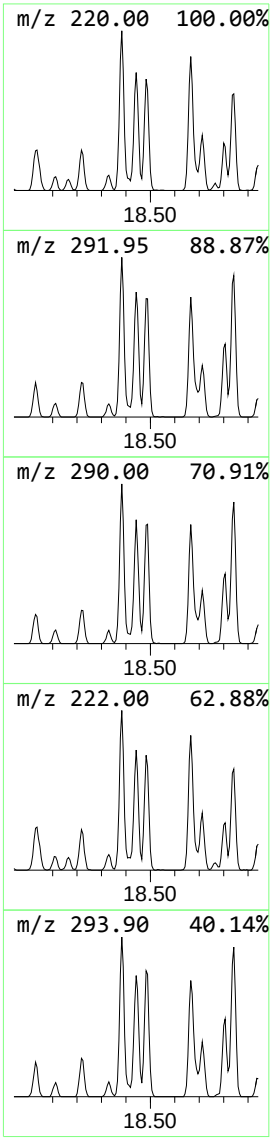
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.442	6.96 ng/ul	949290	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
2	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99





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Acq On : 18 Nov 2021 23:24
Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4272

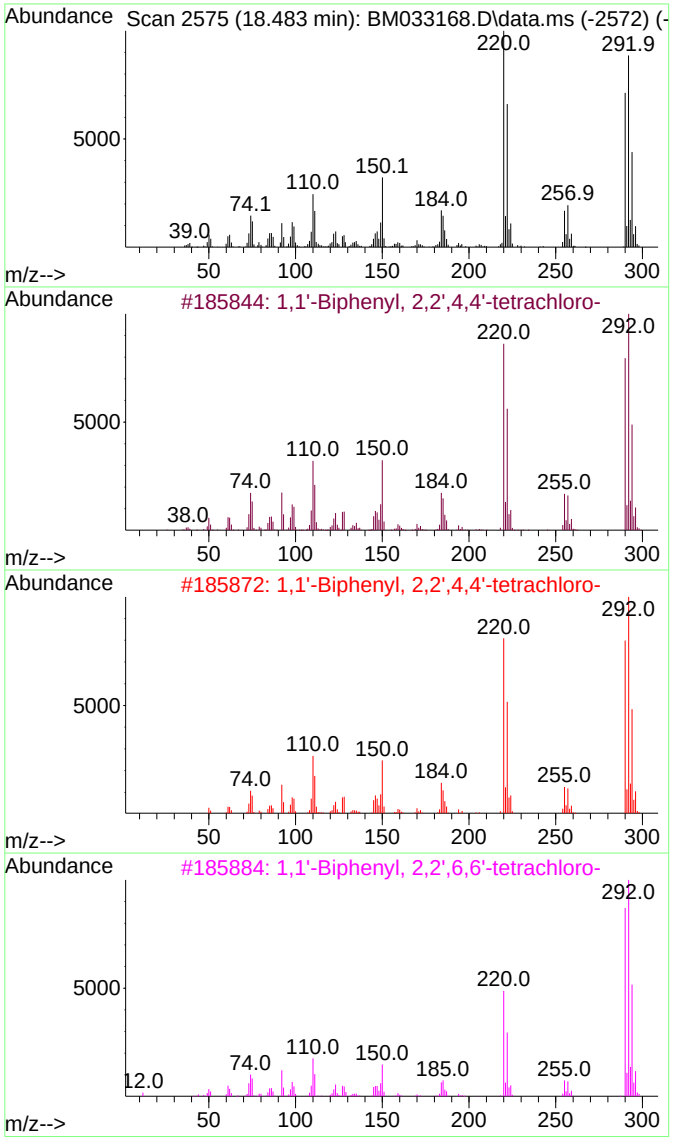
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

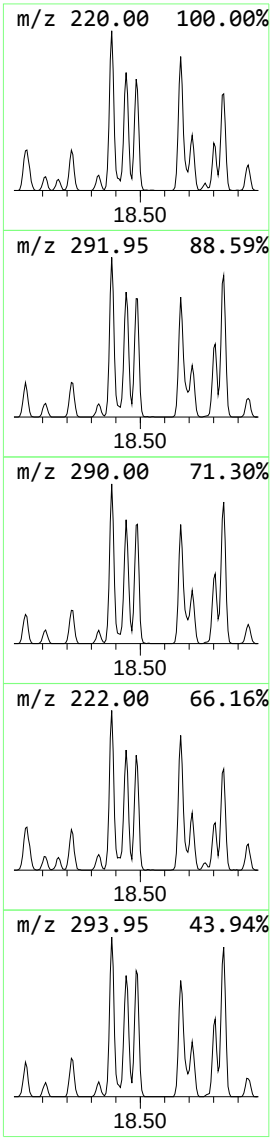
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.483	6.25 ng/ul	853038	Phenanthrene-d10	17.318

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',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





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Acq On : 18 Nov 2021 23:24
Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4272

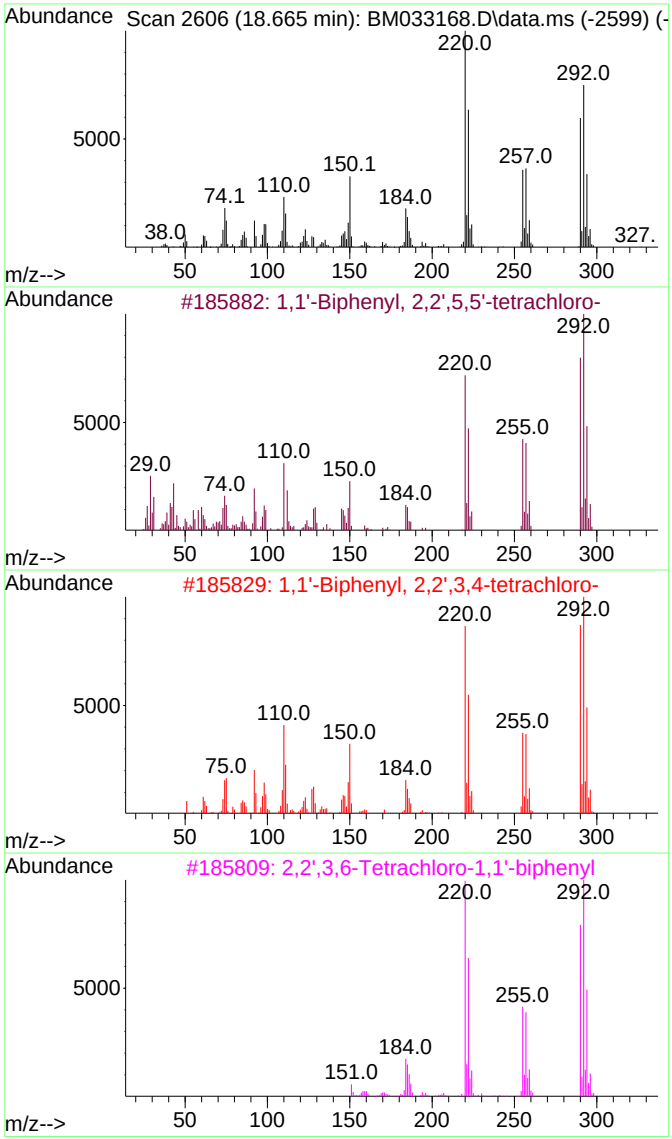
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

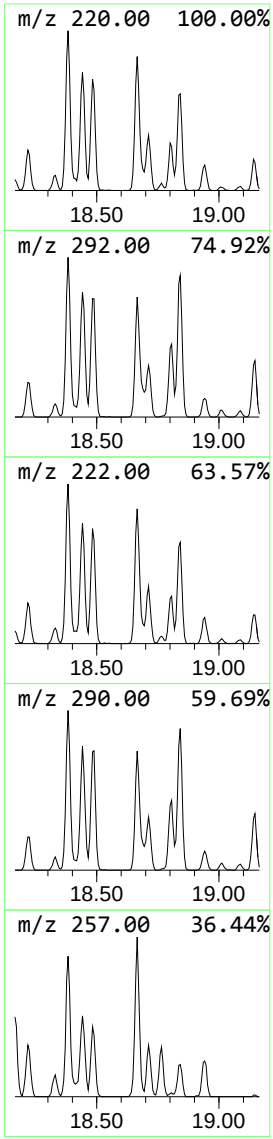
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.665	8.56 ng/ul	1168450	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
3	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99





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Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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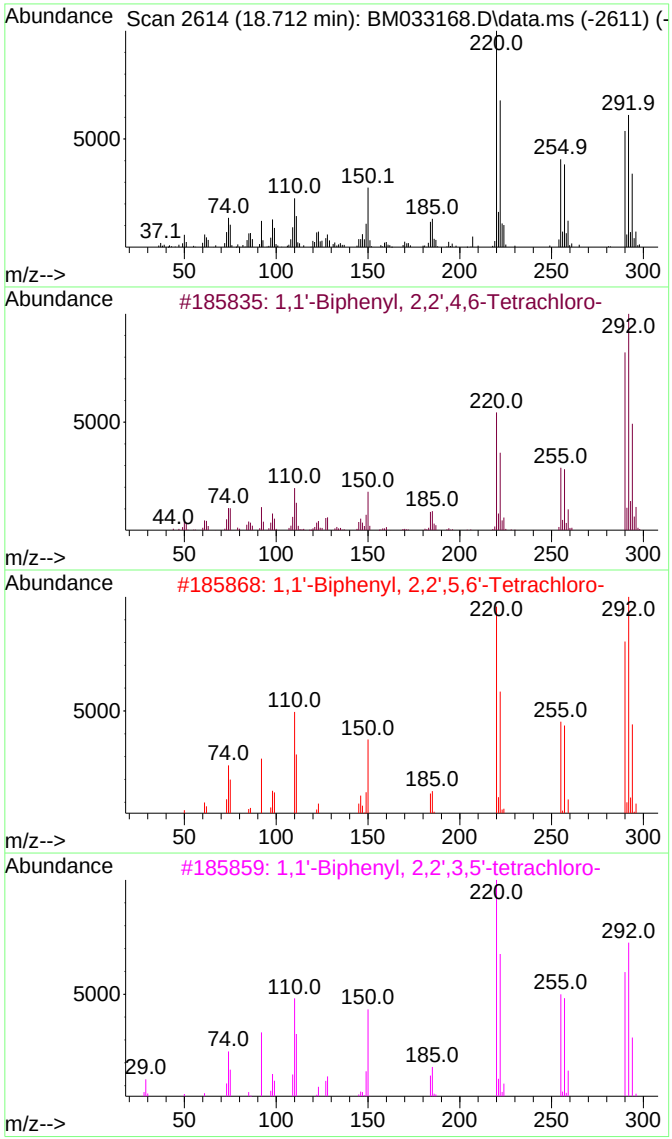
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

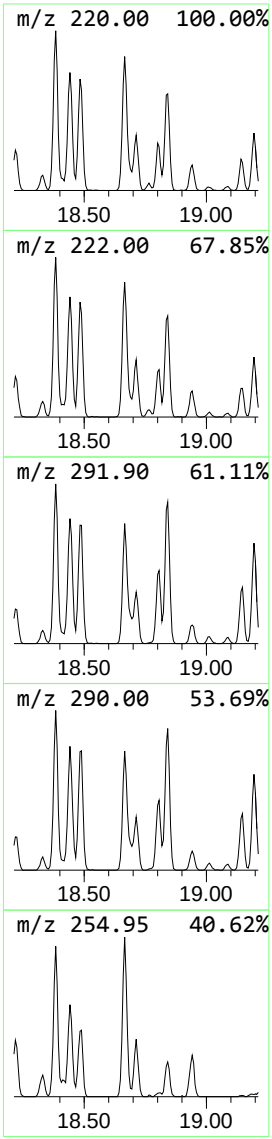
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.712	3.05 ng/ul	415975	Phenanthrene-d10	17.318

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',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99
3	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	98
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	98
5	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	98





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Data File : BM033168.D
Acq On : 18 Nov 2021 23:24
Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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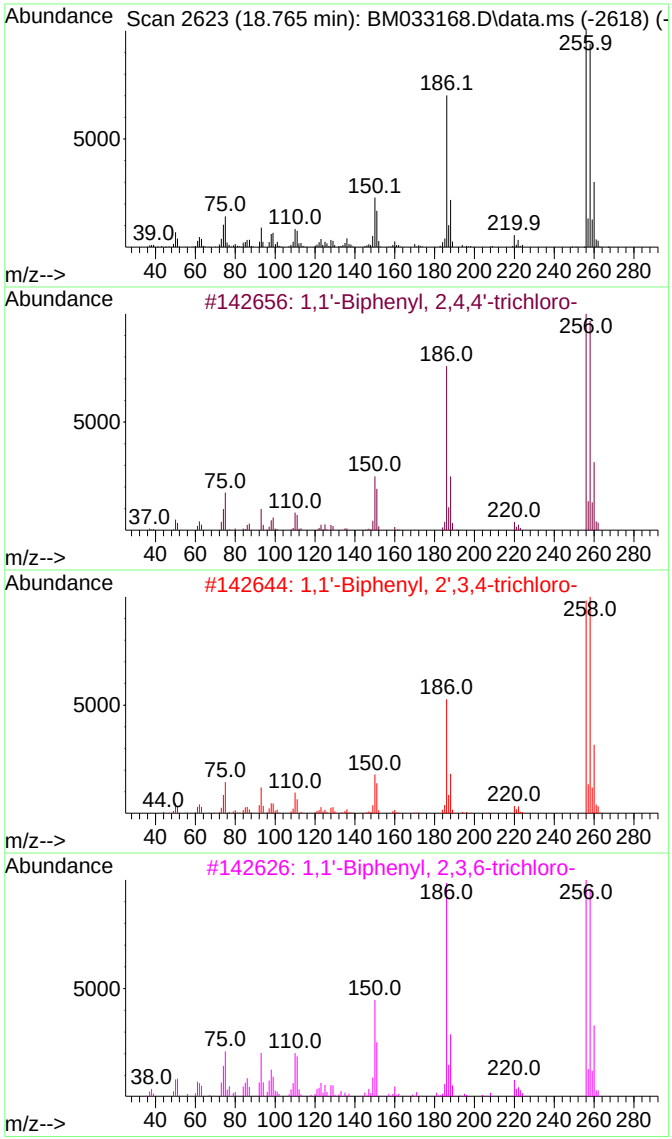
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

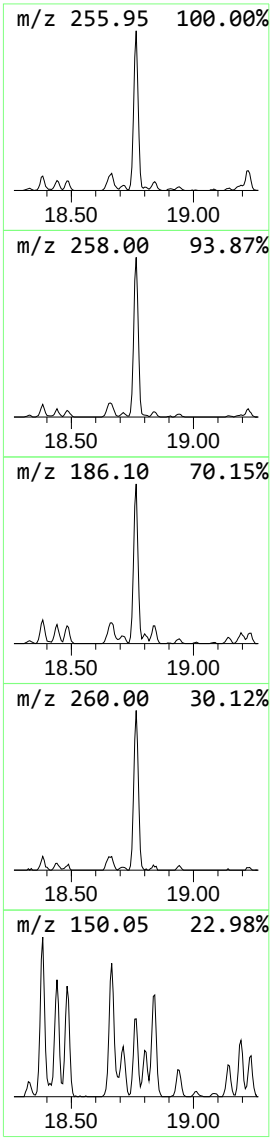
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 unknown18.765 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.765	4.37 ng/ul	596804	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
3	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	99
4	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
5	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99





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Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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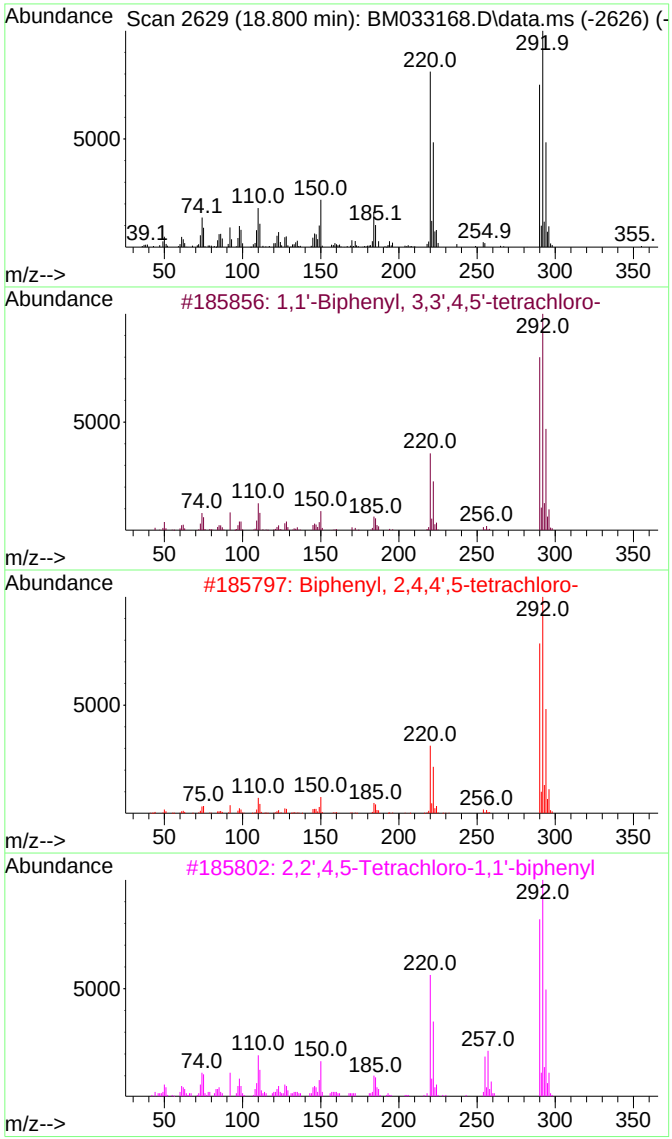
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

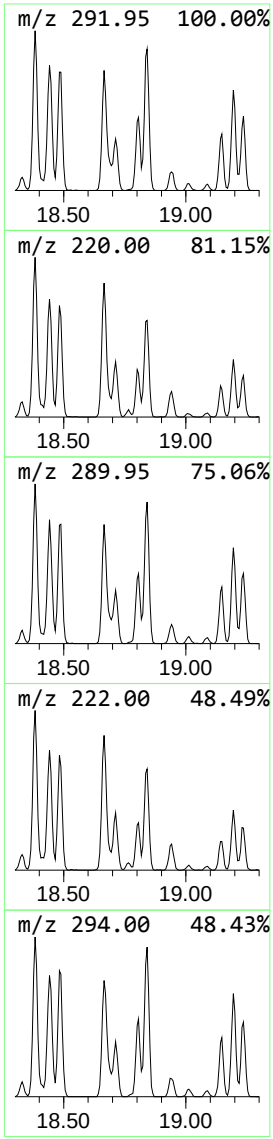
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 1,1'-Biphenyl, 3,3',4,5'-te... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.801	3.04 ng/ul	415334	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
2	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
3	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
4	2,3,3',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070424-67-8	99
5	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99





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Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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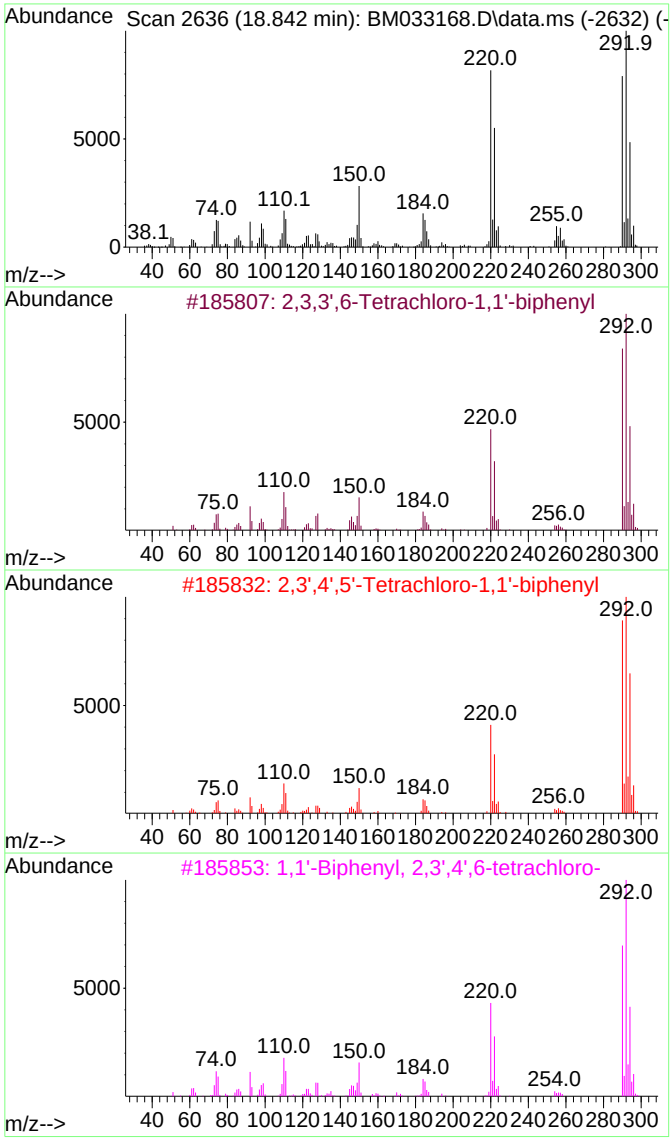
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

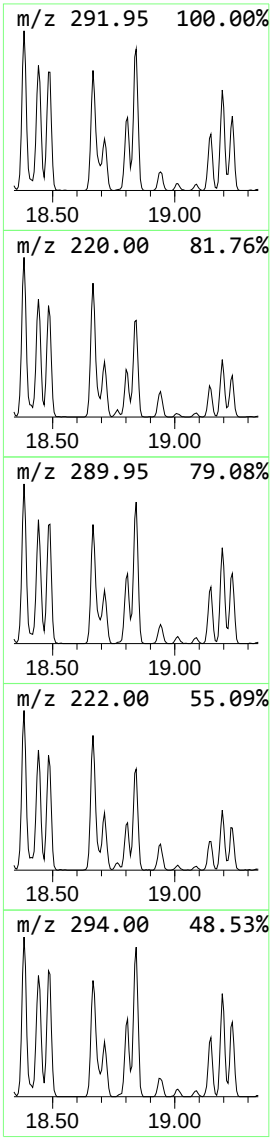
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 2,3,3',6-Tetrachloro-1,1'-b... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.842	6.36 ng/ul	868041	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
2	2,3',4',5'-Tetrachloro-1,1'-biph...	290	C12H6Cl4	070362-48-0	99
3	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99





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Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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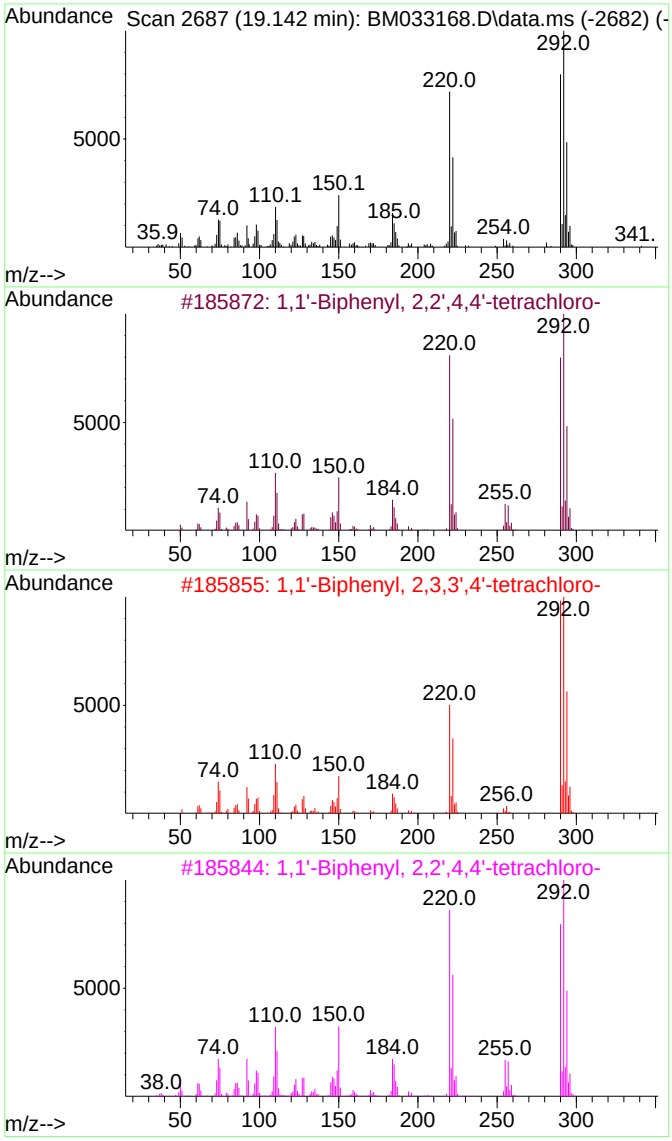
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

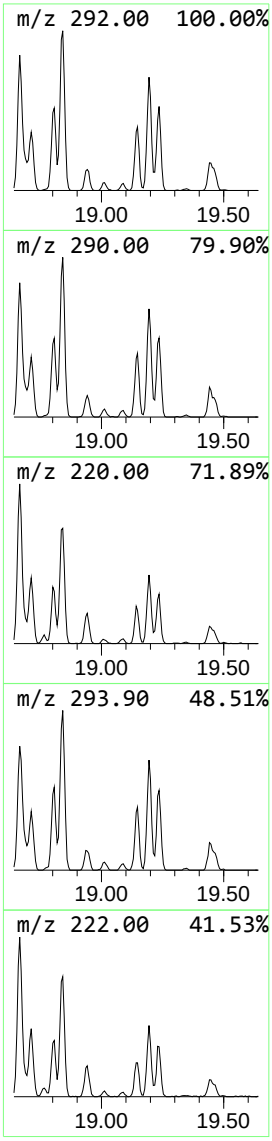
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.142	2.20 ng/ul	300571	Phenanthrene-d10	17.318

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, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	2,3',4',5'-Tetrachloro-1,1'-biph...	290	C12H6Cl4	070362-48-0	99
5	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99





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Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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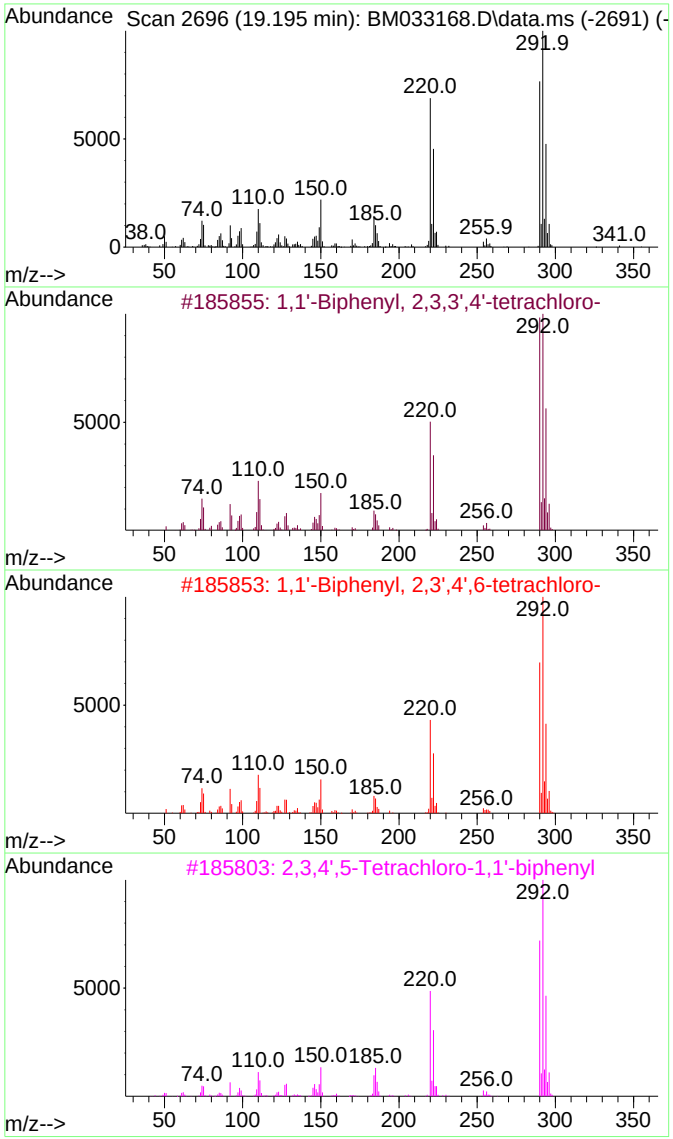
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

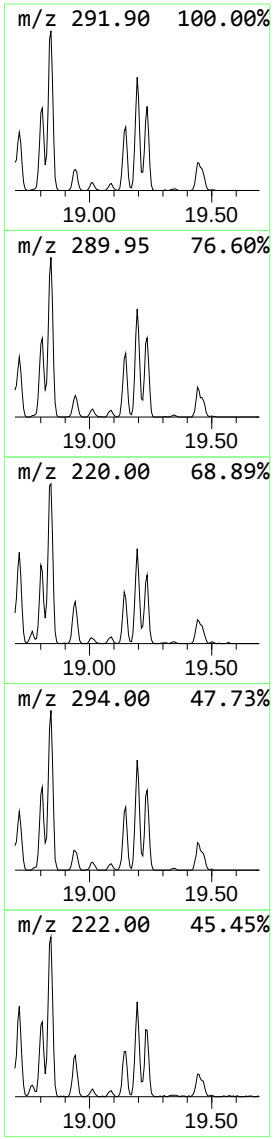
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 1,1'-Biphenyl, 2,3',4',6-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.195	4.02 ng/ul	547832	Phenanthrene-d10	17.318

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	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99
3	2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	99
4	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99
5	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99





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Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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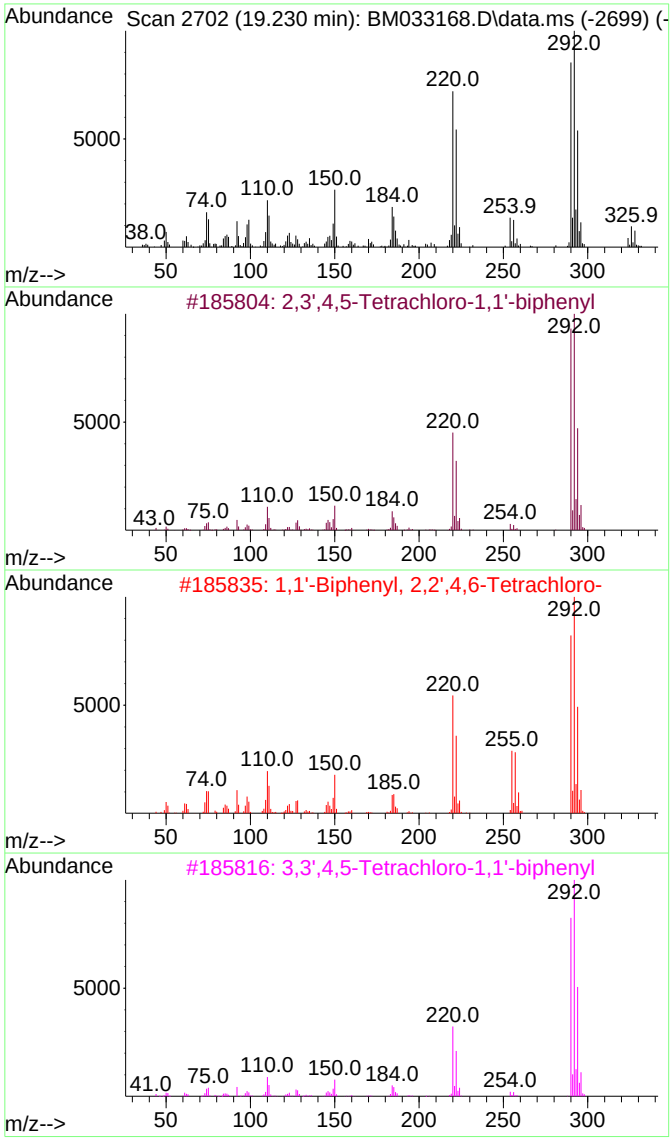
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

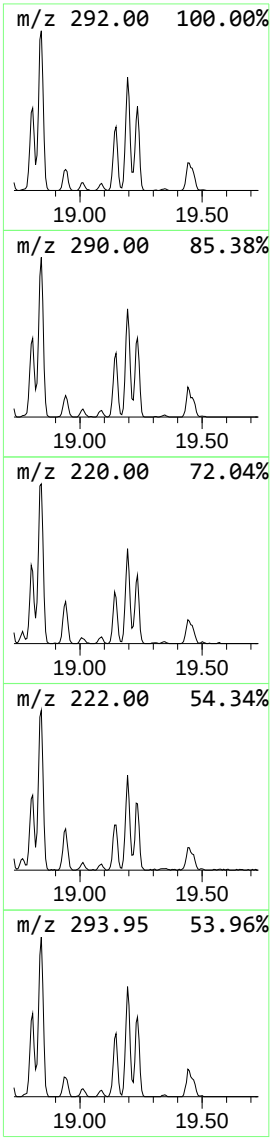
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.230	3.56 ng/ul	485285	Phenanthrene-d10	17.318

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, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
3	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
5	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99





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Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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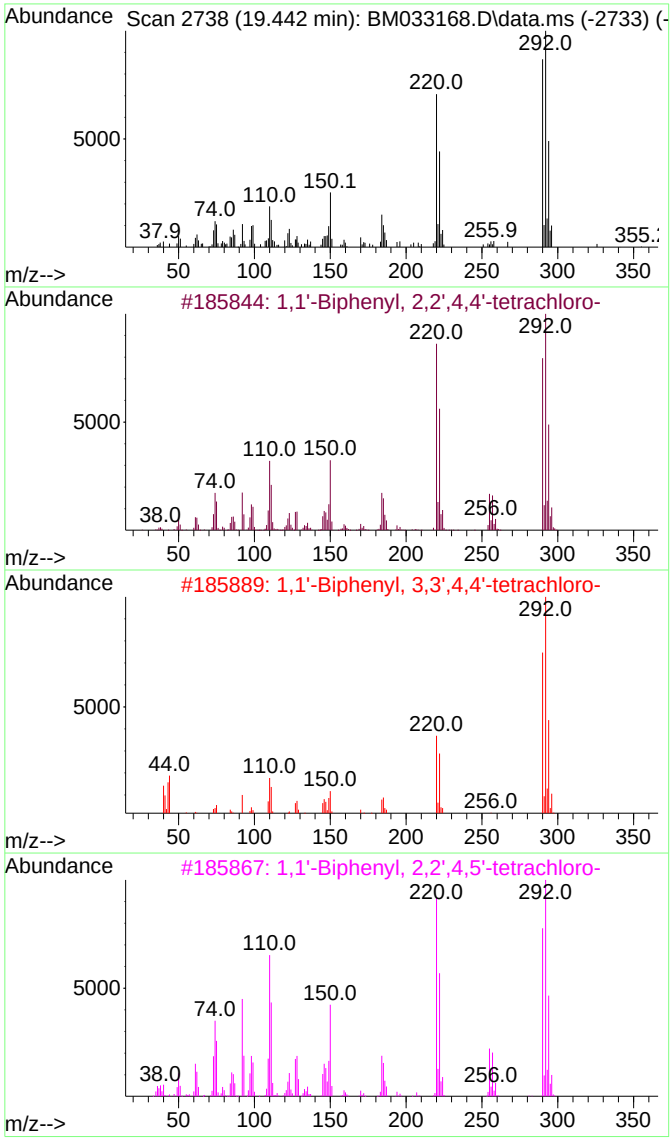
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

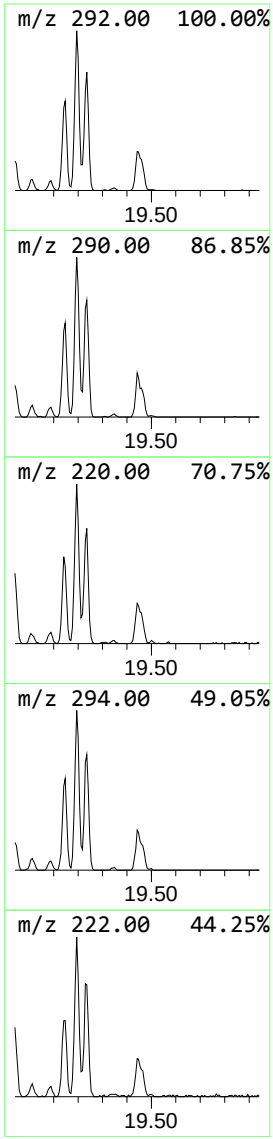
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.442	3.42 ng/ul	230716	Chrysene-d12	21.471

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, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
5	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111721\
Data File : BM033168.D
Acq On : 18 Nov 2021 23:24
Operator : CG/JU
Sample : M4669-09
Misc : GCMS CONFIRMATION
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4272

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	4.054	2.2	ng/ul	81445	1	7.966	754004	20.0
1,1'-Biphenyl, ...	14.701	2.0	ng/ul	158954	3	14.583	1550280	20.0
1,1'-Biphenyl, ...	15.860	211.9	ng/ul	16423000	3	14.583	1550280	20.0
1,1'-Biphenyl, ...	16.165	62.2	ng/ul	8492330	4	17.318	2728740	20.0
1,1'-Biphenyl 2...	16.436	4.5	ng/ul	619502	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	16.554	19.9	ng/ul	2719410	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	16.848	4.1	ng/ul	553749	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	17.195	16.1	ng/ul	2191320	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	17.230	11.1	ng/ul	1512240	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	17.489	12.5	ng/ul	1700300	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	17.765	4.0	ng/ul	549329	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	17.912	42.7	ng/ul	5823470	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	18.042	15.7	ng/ul	2140700	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	18.165	8.6	ng/ul	1172880	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	18.218	2.5	ng/ul	343891	4	17.318	2728740	20.0
2,2',4,5-Tetrac...	18.383	9.3	ng/ul	1263340	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	18.442	7.0	ng/ul	949290	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	18.483	6.3	ng/ul	853038	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	18.665	8.6	ng/ul	1168450	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	18.712	3.0	ng/ul	415975	4	17.318	2728740	20.0
unknown18.765	18.765	4.4	ng/ul	596804	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	18.801	3.0	ng/ul	415334	4	17.318	2728740	20.0
2,3,3',6-Tetrac...	18.842	6.4	ng/ul	868041	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	19.142	2.2	ng/ul	300571	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	19.195	4.0	ng/ul	547832	4	17.318	2728740	20.0
2,3',4,5-Tetrac...	19.230	3.6	ng/ul	485285	4	17.318	2728740	20.0
1,1'-Biphenyl, ...	19.442	3.4	ng/ul	230716	5	21.471	1347820	20.0