LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007701.D
Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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_N\METHODS\SOM-EPA-BN091619MA.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	3.034	6	8	16	rVB	407612	409805	0.60%	0.057%
2	3.111	18	21	24	rVV2	116436	132594	0.19%	0.018%
3	3.199	32	36	43	rVB	1310747	1267053	1.84%	0.175%
4	3.522	88	91	95	rVB	103427	118805	0.17%	0.016%
5	4.416	237	243	251	rBV	1058359	1298079	1.89%	0.179%
6	6.887	656	663	669	rBV	3359616	4679469	6.81%	0.647%
7	7.705	795	802	813	rBV	2334927	3623614	5.27%	0.501%
8	8.704	967	972	979	rVB	167042	227753	0.33%	0.031%
9	9.316	1069	1076	1081	rBV	204221	295226	0.43%	0.041%
10	10.475	1264	1273	1281	rBV	3057680	5020590	7.31%	0.694%
11	10.640	1296	1301	1307	rVB3	61147	92045	0.13%	0.013%
12	11.075	1371	1375	1380	rBV2	98474	141080	0.21%	0.019%
13	12.834	1669	1674	1681	rVB3	57309	86060	0.13%	0.012%
14	13.816	1836	1841	1851	rBV4	33731	74057	0.11%	0.010%
15	14.334	1920	1929	1940	rBV	4685511	7009242	10.20%	0.969%
16	14.663	1981	1985	1989	rBV2	52001	72532	0.11%	0.010%
17	14.875	2017	2021	2025	rBV2	70718	103663	0.15%	0.014%
18	14.957	2031	2035	2039	rBV6	43698	74401	0.11%	0.010%
19	16.098	2227	2229	2234	rVB2	95544	110084	0.16%	0.015%
20	16.533	2300	2303	2307	rVB2	95574	115490	0.17%	0.016%
21	16.651	2318	2323	2330	rVB	594748	947567	1.38%	0.131%
22	16.728	2331	2336	2342	rBV	1227116	1686927	2.46%	0.233%
23	16.957	2372	2375	2379	rVB2	290370	365792	0.53%	0.051%
24	17.075	2389	2395	2400	rBV2	5666429	7840325	11.41%	1.084%
25	17.269	2422	2428	2434	rBV3	520409	950640	1.38%	0.131%
26	17.680	2492	2498	2503	rVB	778224	1410003	2.05%	0.195%
27	17.798	2514	2518	2527	rVB2	565078	891113	1.30%	0.123%
28	17.933	2536	2541	2546	rBV3	601846	965900	1.41%	0.133%
29	17.986	2547	2550	2555	rVB2	296519	424336	0.62%	0.059%
30	18.157	2573	2579	2584	rVV	24117844	32187835	46.85%	4.449%
31	18.216	2584	2589	2593	rVV	5693207	7233672	10.53%	1.000%
32	18.257	2593	2596	2601	rVB	1221526	1459901	2.13%	0.202%
33	18.439	2622	2627	2632	rBV	10955124	13783022	20.06%	1.905%
34	18.486	2632	2635	2639	rVB	708352	832135	1.21%	0.115%

LSC Area Percent Report

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Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Title : SVOA CALIBRATION

35	18.580	2647	2651	2653	rBV	600641	709511	1.03%	0.098%
36	18.616	2653	2657	2662	rVB	3679999	4584425	6.67%	0.634%
37	18.680	2663	2668	2671	rBV3	669370	1040210	1.51%	0.144%
38	18.716	2671	2674	2678	rVB	653027	783494	1.14%	0.108%
39	18.863	2696	2699	2704	rVB3	361144	478364	0.70%	0.066%
40	18.927	2705	2710	2713	rVV	4709156	5982630	8.71%	0.827%
41	18.980	2713	2719	2721	rVV	11175769	17100424	24.89%	2.363%
42	19.010	2721	2724	2730	rVV2	34061338	45220963	65.83%	6.250%
43	19.092	2733	2738	2743	rVV	5402796	6509213	9.48%	0.900%
44	19.216	2754	2759	2767	rBV2	8414344	13435669	19.56%	1.857%
45	19.298	2767	2773	2778	rVV	45496300	68697241	100.00%	9.495%
46	19.357	2778	2783	2791	rVV	19831796	24279035	35.34%	3.356%
47	19.427	2791	2795	2799	rVV	665941	821674	1.20%	0.114%
48	19.480	2800	2804	2809	rVV	2286726	2857532	4.16%	0.395%
49	19.557	2811	2817	2822	rVV	14195398	18055460	26.28%	2.495%
50	19.633	2822	2830	2834	rVV	23763426	30560591	44.49%	4.224%
51	19.680	2834	2838	2842	rVV	8550776	10627196	15.47%	1.469%
52	19.745	2842	2849	2854	rVV	48353271	64747402	94.25%	8.949%
53	19.786	2854	2856	2859	rVB	440702	425836	0.62%	0.059%
54	19.880	2865	2872	2875	rBV2	5560302	11629889	16.93%	1.607%
55	19.910	2875	2877	2882	rVV	3472876	4906291	7.14%	0.678%
56	19.957	2882	2885	2888	rVV	2616900	3108213	4.52%	0.430%
57	20.010	2888	2894	2898	rVV3	20062867	28774556	41.89%	3.977%
58	20.057	2898	2902	2907	rVV	42716303	53884748	78.44%	7.447%
59	20.133	2910	2915	2920	rVV	2315864	2883692	4.20%	0.399%
60	20.204	2920	2927	2935	rVB2	4065353	7318637	10.65%	1.011%
61	20.286	2936	2941	2946	rBV	24730298	30058924	43.76%	4.154%
62	20.339	2946	2950	2952	rVV	12452356	16953806	24.68%	2.343%
63	20.363	2952	2954	2959	rVV	20096825	22316947	32.49%	3.084%
64	20.439	2962	2967	2973	rVV	5770881	7024257	10.22%	0.971%
65	20.504	2974	2978	2981	rVV	2750612	3818869	5.56%	0.528%
66	20.533	2981	2983	2987	rVV3	2693960	2772532	4.04%	0.383%
67	20.604	2987	2995	3002	rVV	31686556	52961878	77.09%	7.320%
68	20.686	3005	3009	3013	rVV	2541714	2837623	4.13%	0.392%
69	20.751	3016	3020	3026	rVV2	1650085	2162482	3.15%	0.299%
70	20.816	3027	3031	3040	rVB3	1216459	1695368	2.47%	0.234%
71	20.904	3042	3046	3051	rBV	10872447	12915051	18.80%	1.785%

LSC Area Percent Report

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Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Title : SVOA CALIBRATION

72	21.021	3061	3066	3071	rBV2	1914370	2584947	3.76%	0.357%
73	21.074	3071	3075	3081	rVB2	1254542	1492993	2.17%	0.206%
74	21.127	3081	3084	3086	rBV	801605	1032397	1.50%	0.143%
75	21.157	3086	3089	3093	rVV	5405302	6008435	8.75%	0.830%
76	21.210	3094	3098	3101	rVV	1298680	1816389	2.64%	0.251%
77	21.269	3104	3108	3111	rVV	6329548	7873948	11.46%	1.088%
78	21.304	3111	3114	3120	rVB	4574179	5572769	8.11%	0.770%
79	21.551	3152	3156	3162	rVB	1279488	1532626	2.23%	0.212%
80	21.616	3163	3167	3174	rVB	3133527	3977538	5.79%	0.550%
81	22.851	3374	3377	3383	rVB	747722	980518	1.43%	0.136%
82	23.492	3479	3486	3493	rVB2	4510138	8105156	11.80%	1.120%
83	24.057	3577	3582	3589	rVB2	942930	1697728	2.47%	0.235%

Sum of corrected areas: 723546887

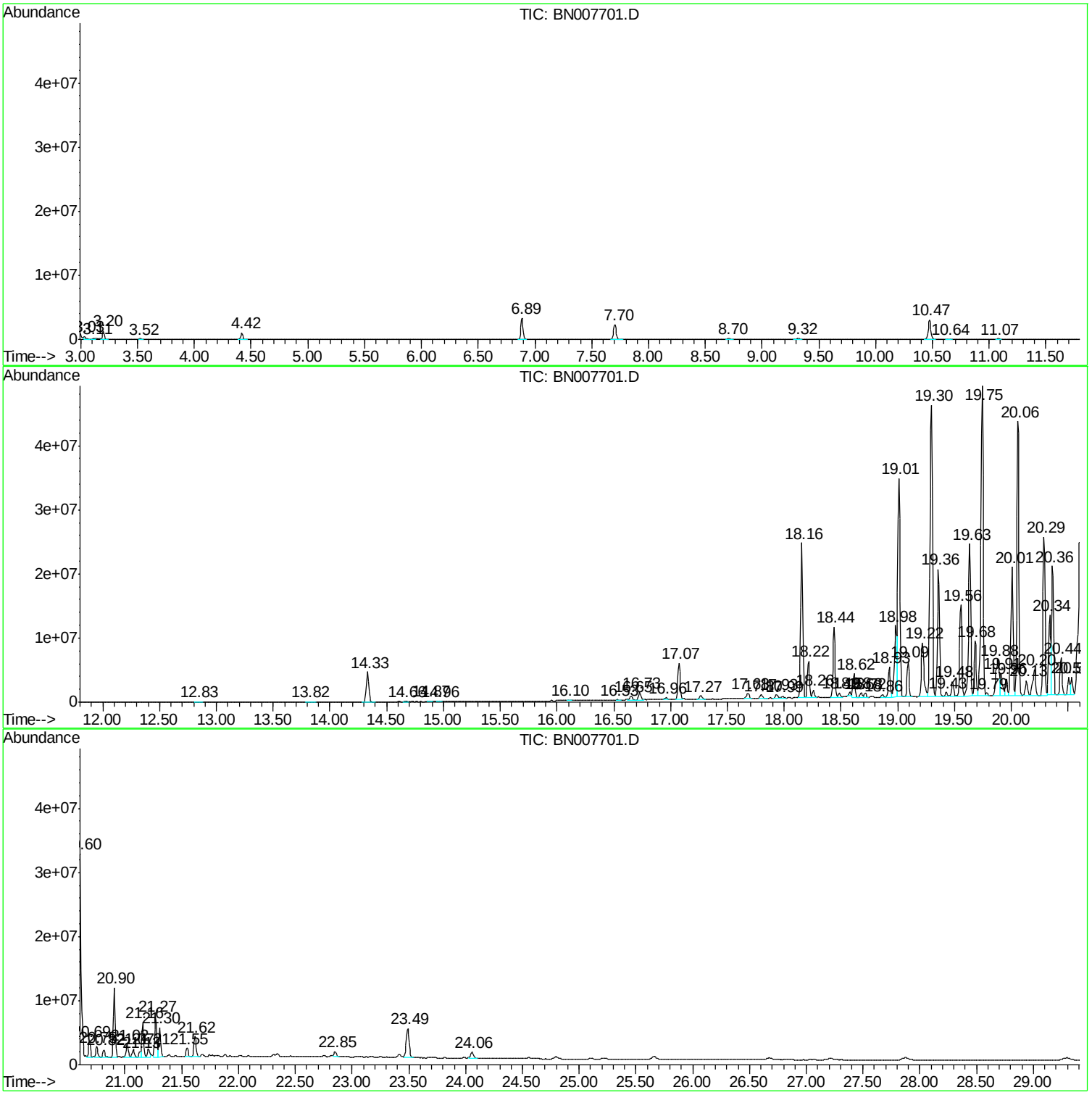
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007701.D
Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AS9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007701.D
Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

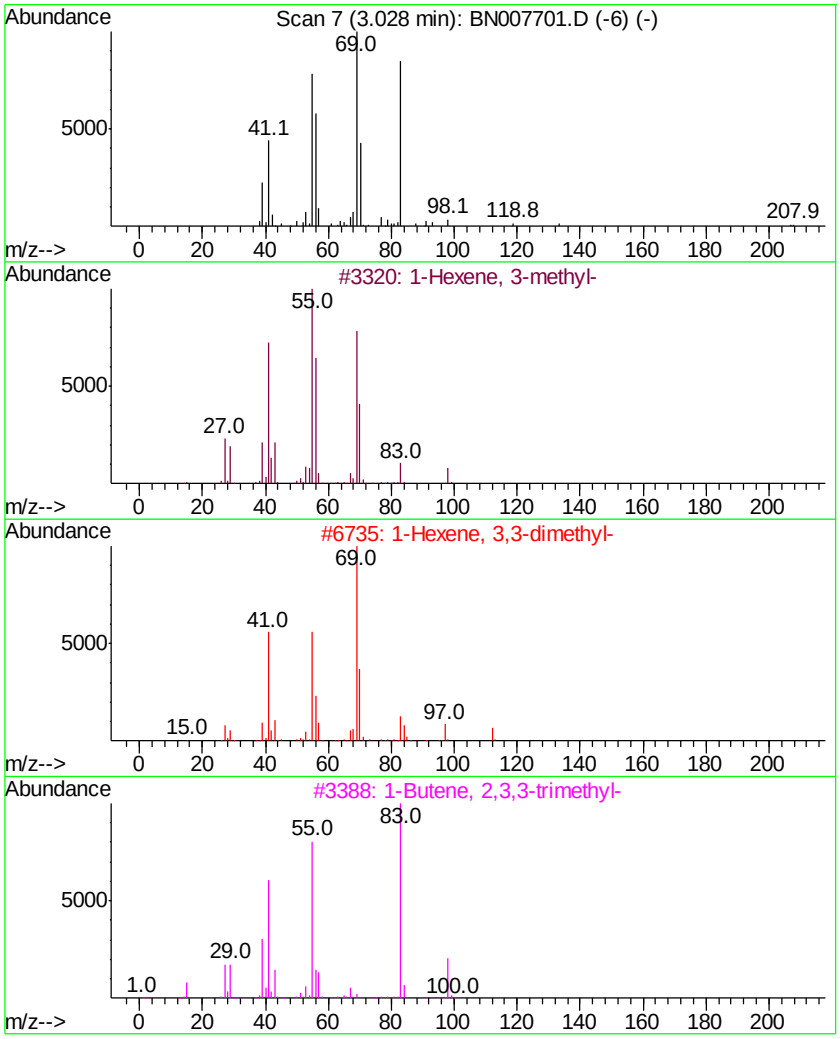
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

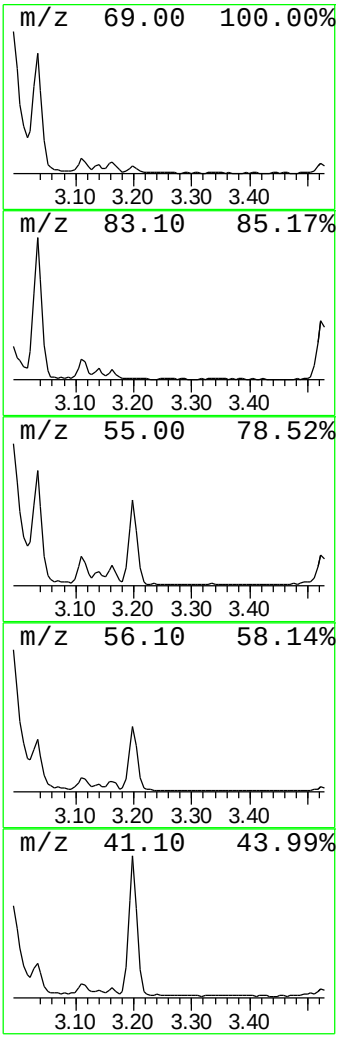
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Cyclic3.03 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	2.26 ng/ul	409805	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	53
2	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	47
3	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	35
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	32
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	32





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007701.D
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Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

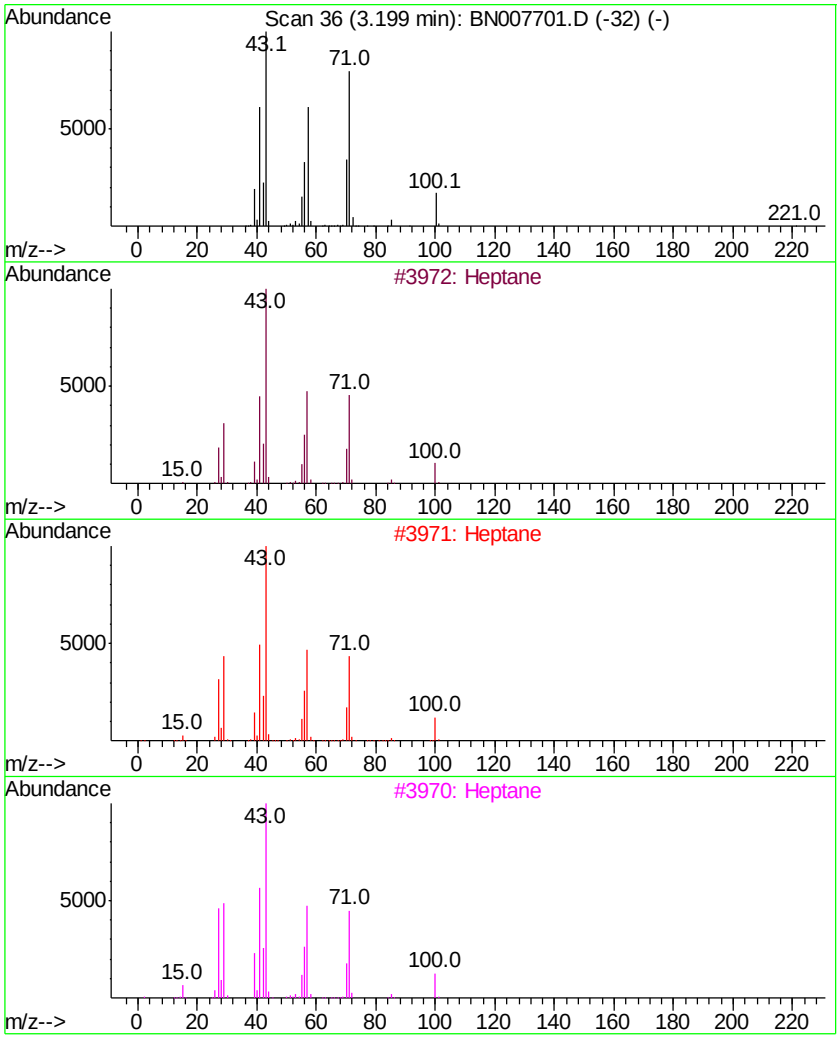
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

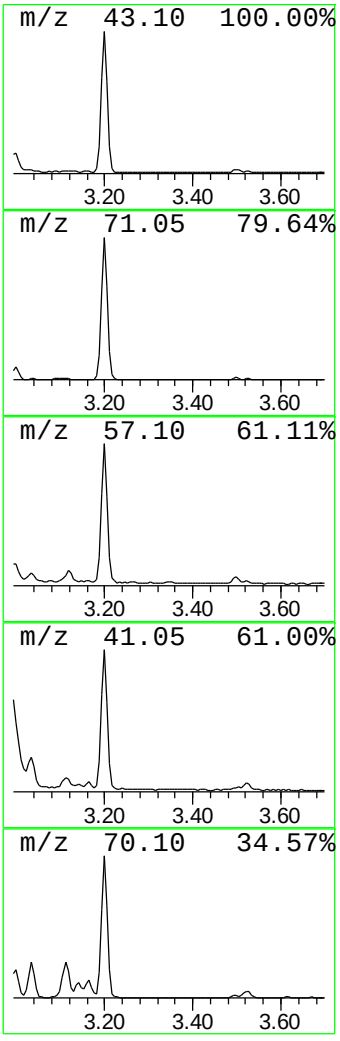
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	6.99 ng/ul	1267050	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	64
5	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
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Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

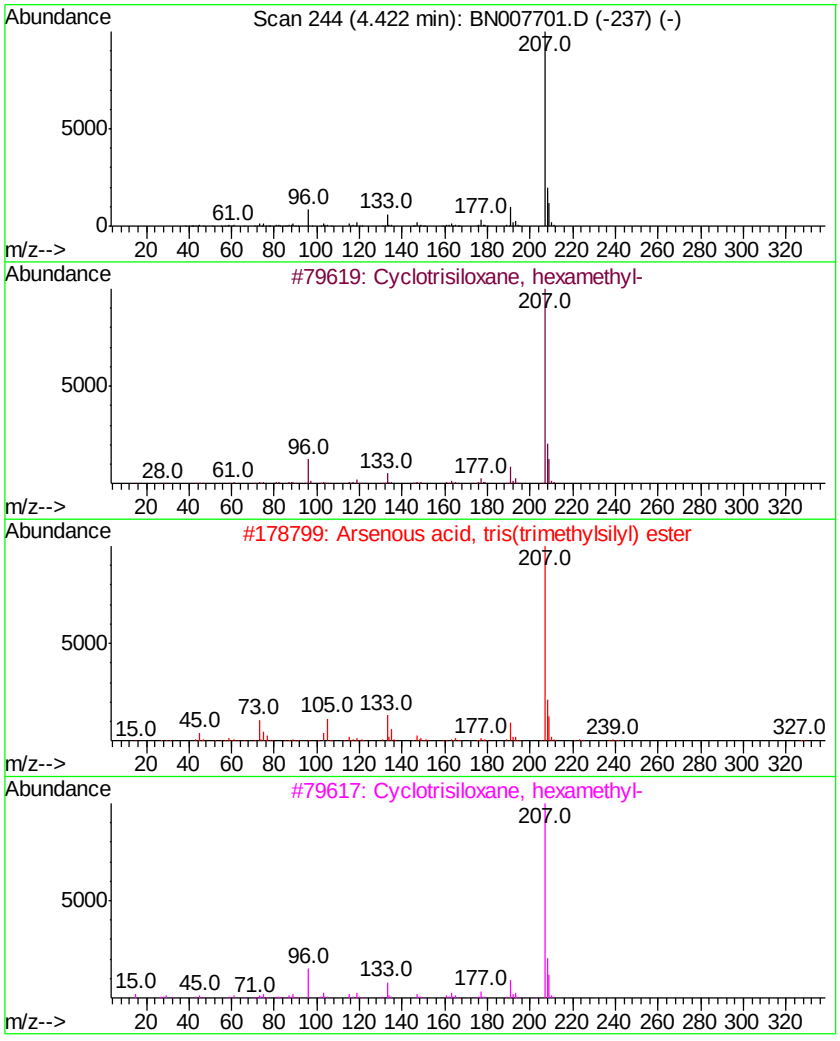
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

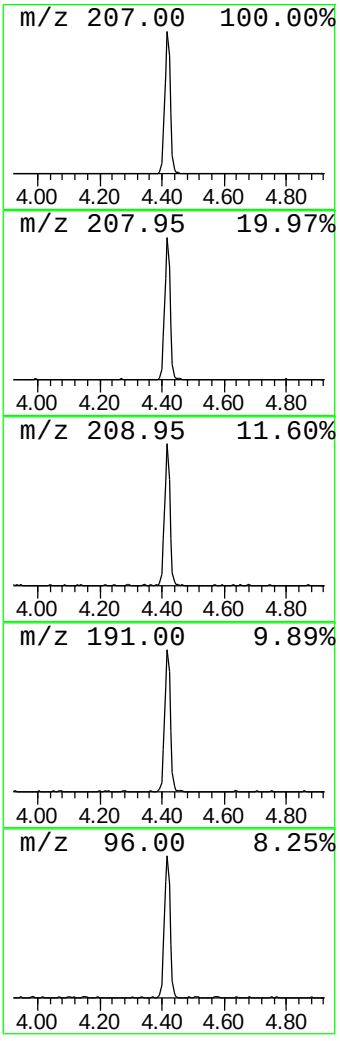
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclotrisiloxane, hexamethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.42	7.16 ng/ul	1298080	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	91
2	Arsenous acid, tris(trimethylsil...	342	C9H27AsO3Si3	055429-29-3	83
3	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	49
4	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	46
5	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	39





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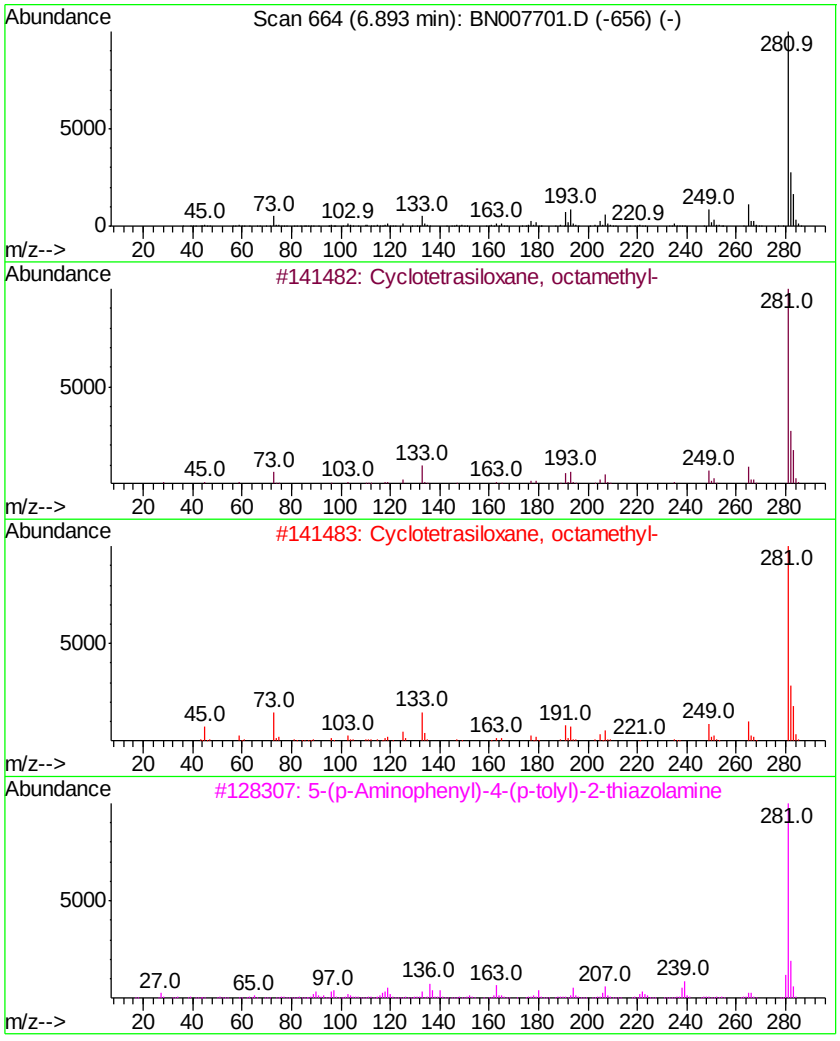
Quant Title : SVOA CALIBRATION

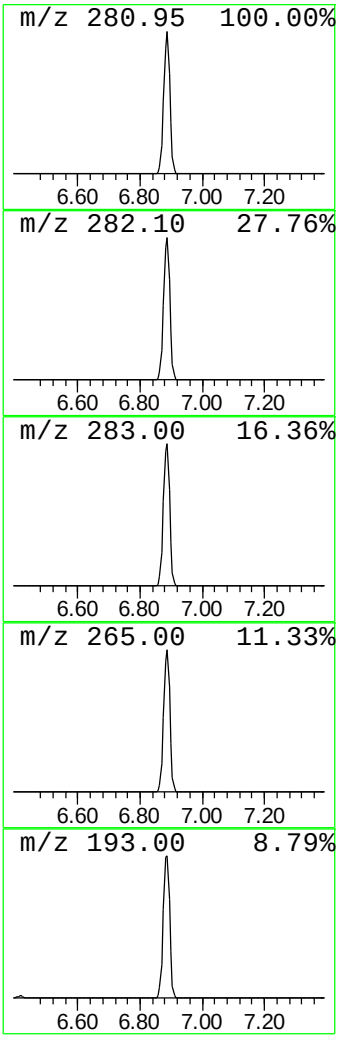
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclotetrasiloxane, octamet... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	25.83 ng/ul	4679470	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	91
2	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	91
3	5-(p-Aminophenyl)-4-(p-tolyl)-2-...	281	C16H15N3S	094460-46-5	64
4	Benzene, 1-phenyl-4-(2-cyano-2-p...	281	C21H15N	027869-56-3	64
5	Benzoic acid, 3-methyl-2-trimeth...	296	C14H24O3Si2	1000153-57-1	64





Library Search Compound Report

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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

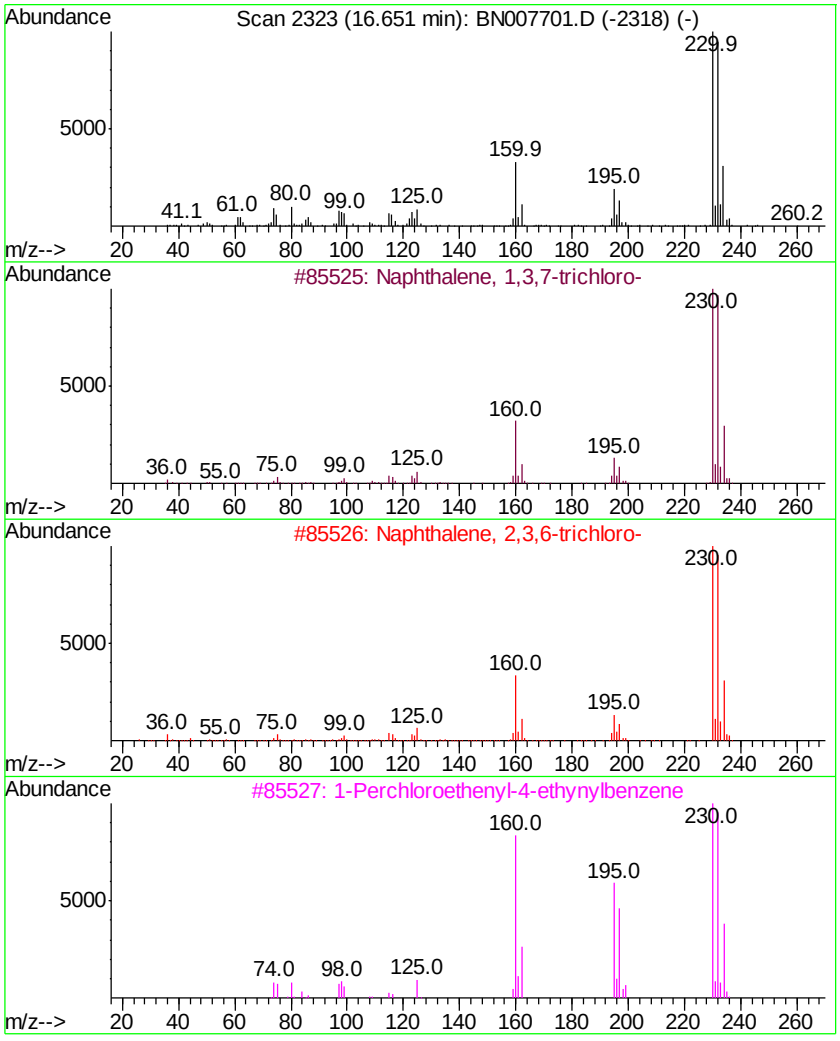
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

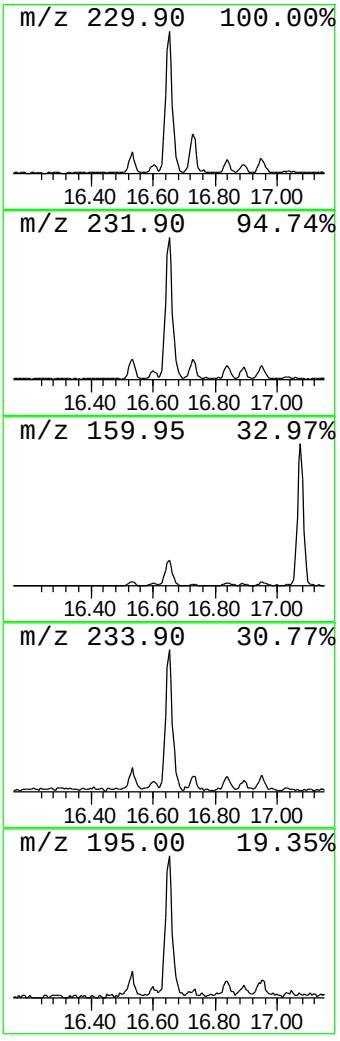
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 1,3,7-trichloro- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	2.42 ng/ul	947567	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	99
2	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	99
3	1-Perchloroethenyl-4-ethynylbenzene	230	C10H5Cl3	1000283-76-9	76
4	Acenaphthylene, 1-bromo-	230	C12H7Br	054736-49-1	62
5	Acenaphthylene, 1-bromo-	230	C12H7Br	054736-49-1	58





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Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

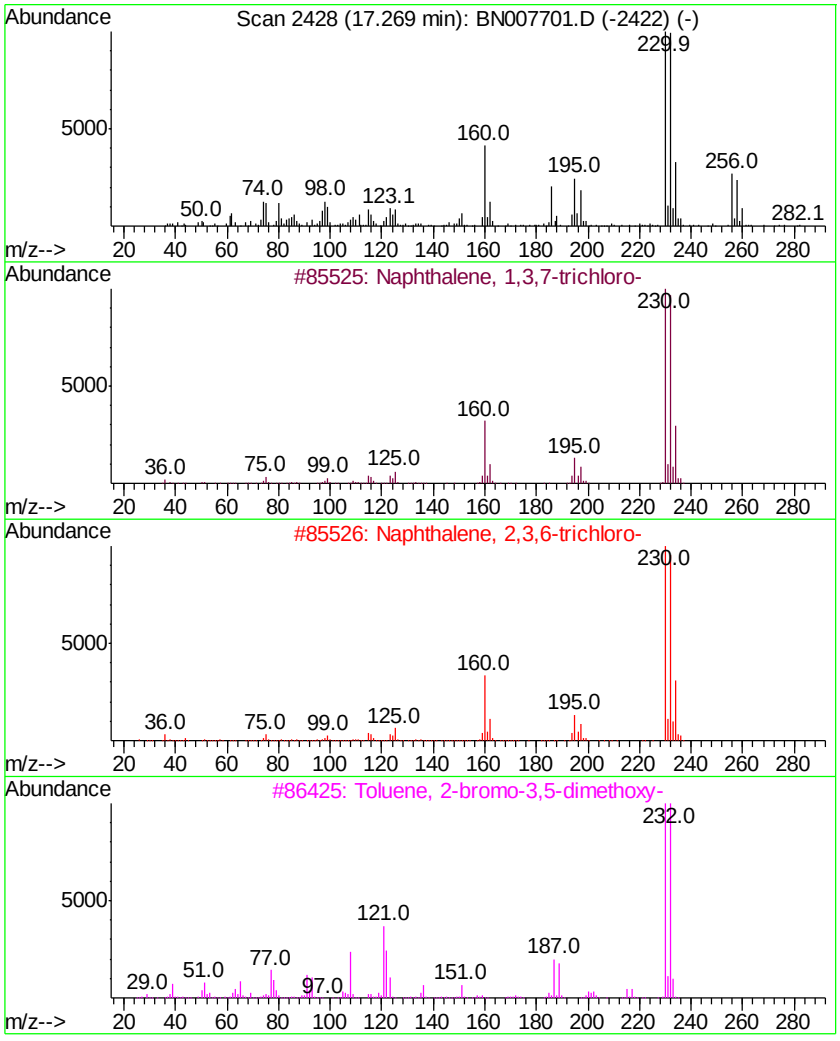
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

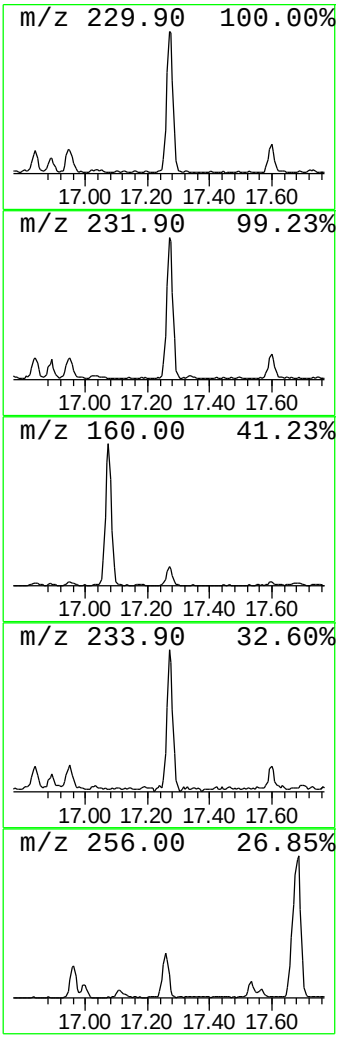
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 2,3,6-trichloro- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	2.43 ng/ul	950640	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	99
2	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	98
3	Toluene, 2-bromo-3,5-dimethoxy-	230	C9H11BrO2	013321-73-8	43
4	Benzene, 1,2,3,5-tetrachloro-4-e...	258	C8H6Cl4O	056818-02-1	43
5	1-Perchloroethenyl-4-ethynylbenzene	230	C10H5Cl3	1000283-76-9	38





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Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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Quant Title : SVOA CALIBRATION

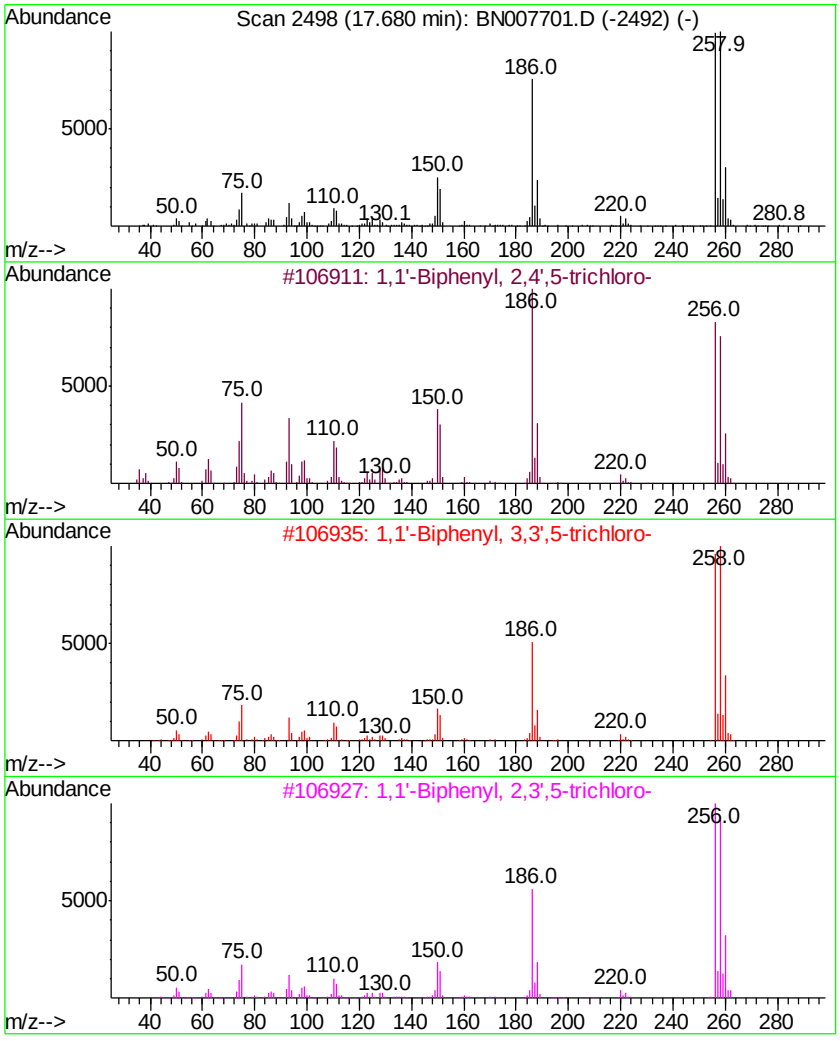
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

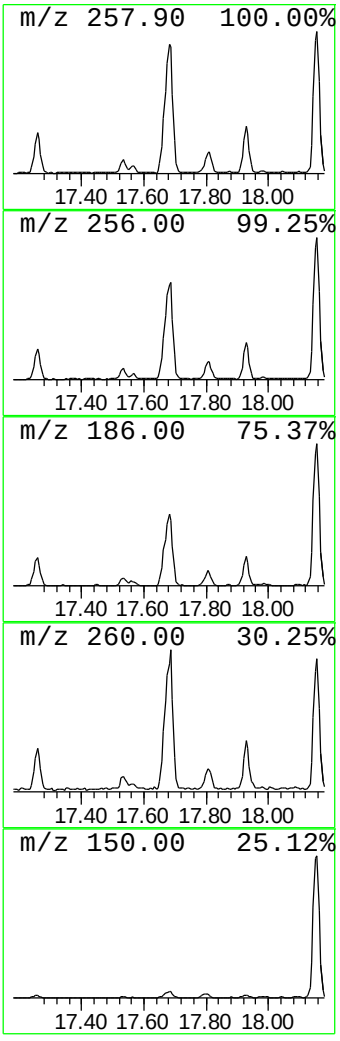
****

Peak Number 7 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	3.60 ng/ul	1410000	Phenanthrene-d10	17.07

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, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
3	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
5	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99





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Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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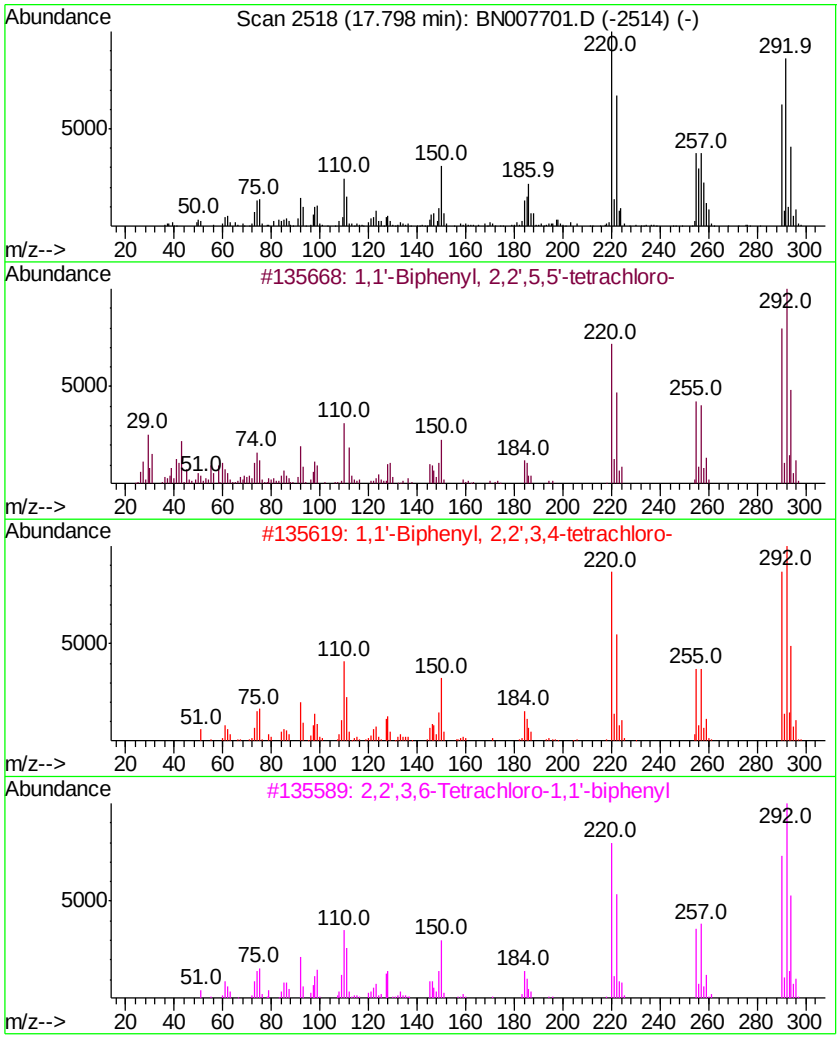
Quant Title : SVOA CALIBRATION

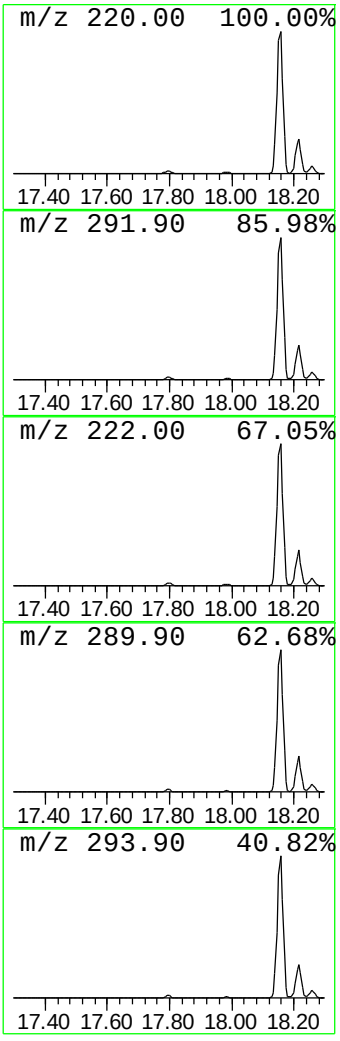
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	2.27 ng/ul	891113	Phenanthrene-d10	17.07

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





Library Search Compound Report

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Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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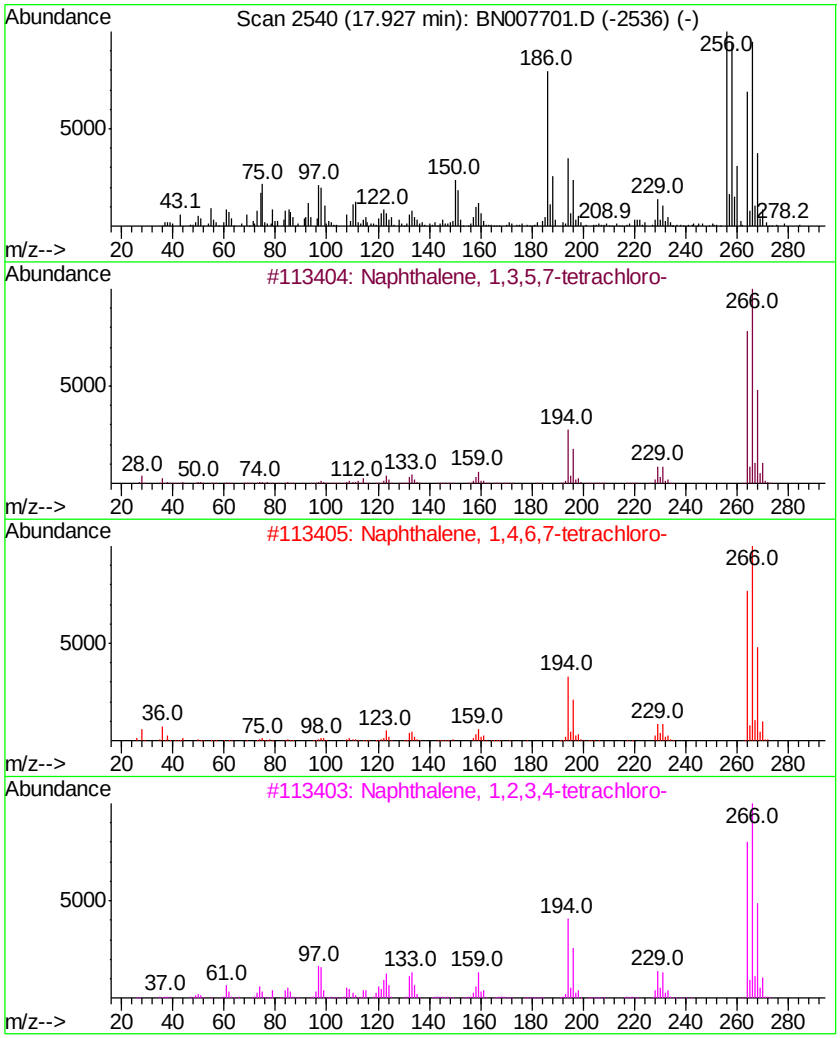
Quant Title : SVOA CALIBRATION

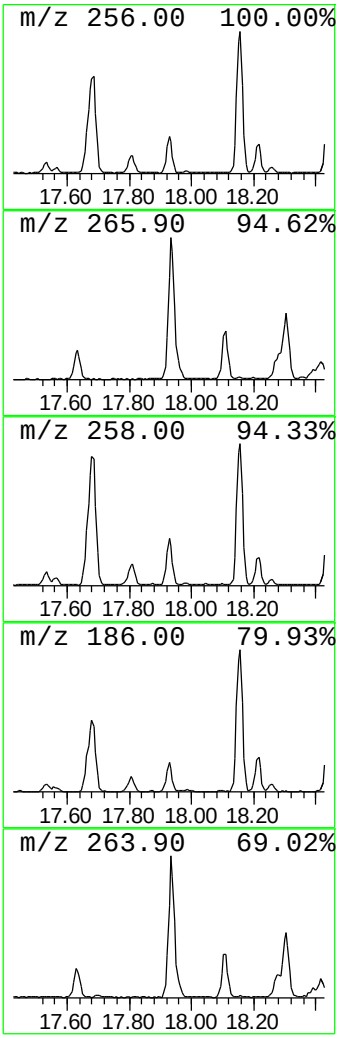
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,3,5,7-tetrac... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	2.46 ng/ul	965900	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3,5,7-tetrachloro-	264	C10H4Cl4	053555-64-9	99
2	Naphthalene, 1,4,6,7-tetrachloro-	264	C10H4Cl4	055720-43-9	99
3	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	95
4	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	92
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	91





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Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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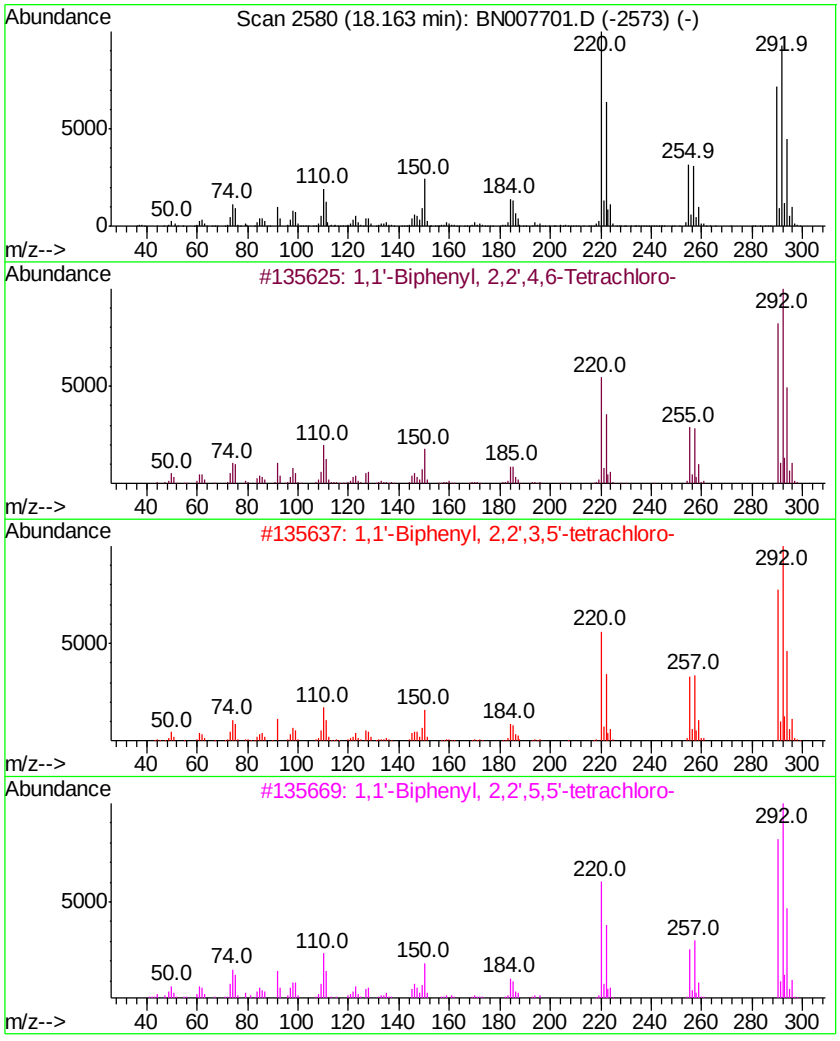
Quant Title : SVOA CALIBRATION

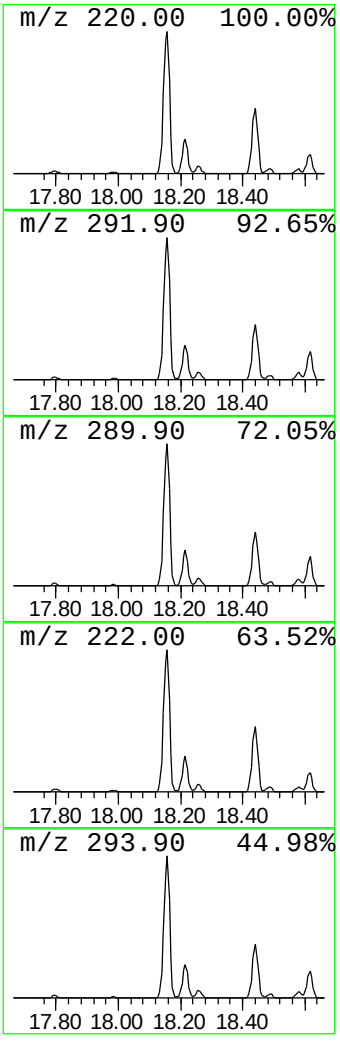
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	82.11 ng/ul	32187800	Phenanthrene-d10	17.07

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',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	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	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99





Library Search Compound Report

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Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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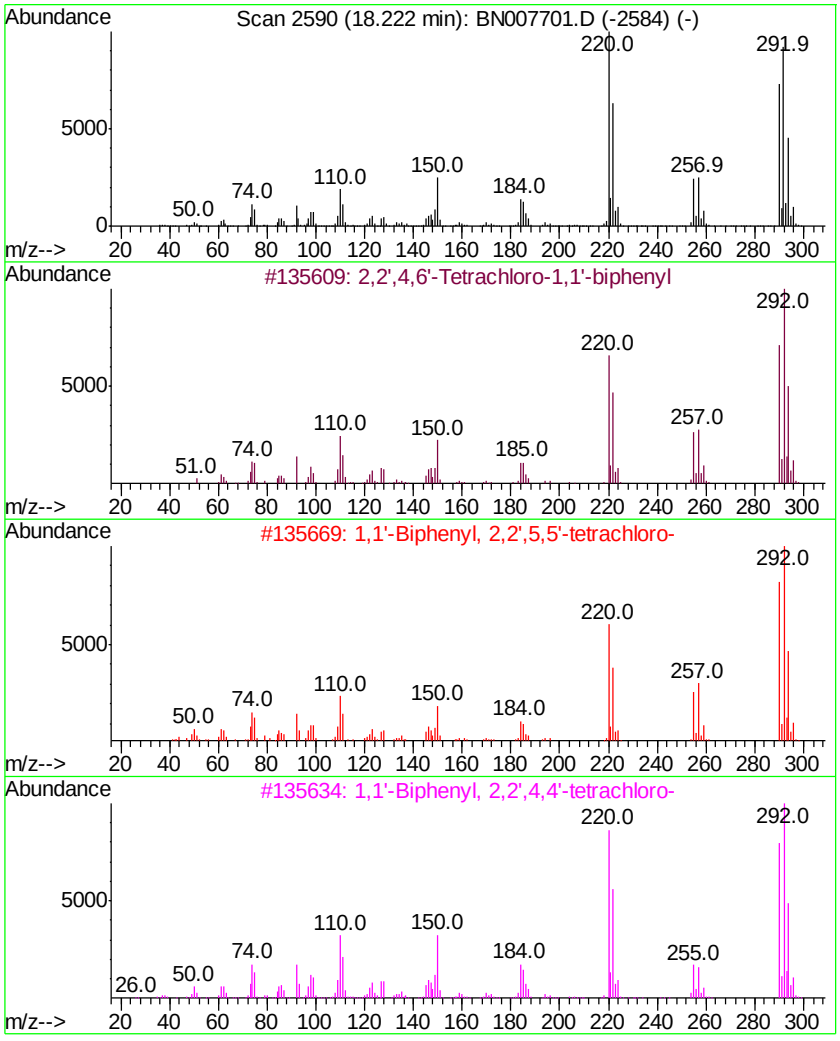
Quant Title : SVOA CALIBRATION

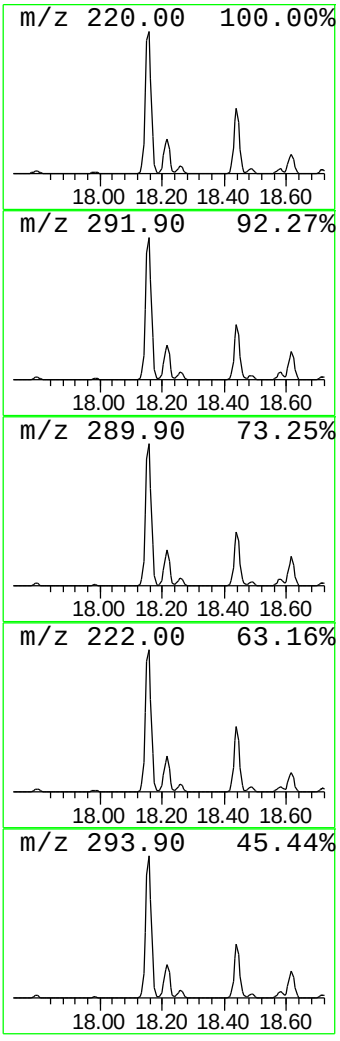
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 2,2',4,6'-Tetrachloro-1,1'-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	18.45 ng/ul	7233670	Phenanthrene-d10	17.07

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',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99





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Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

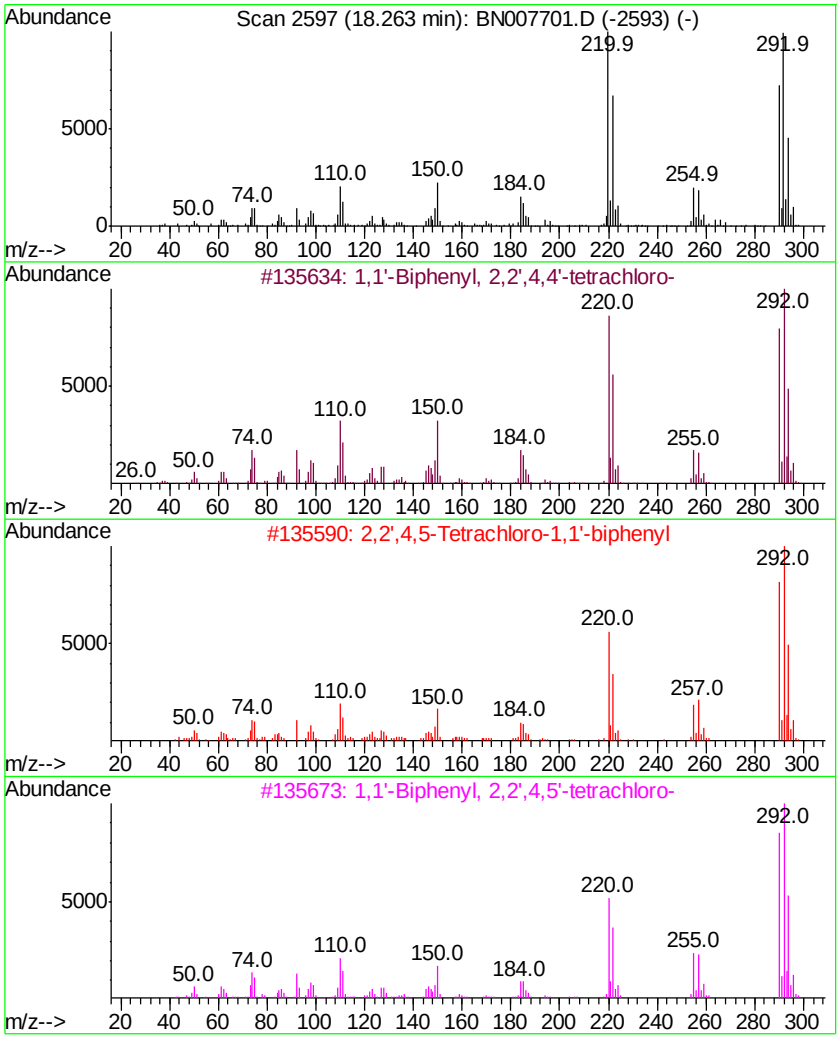
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

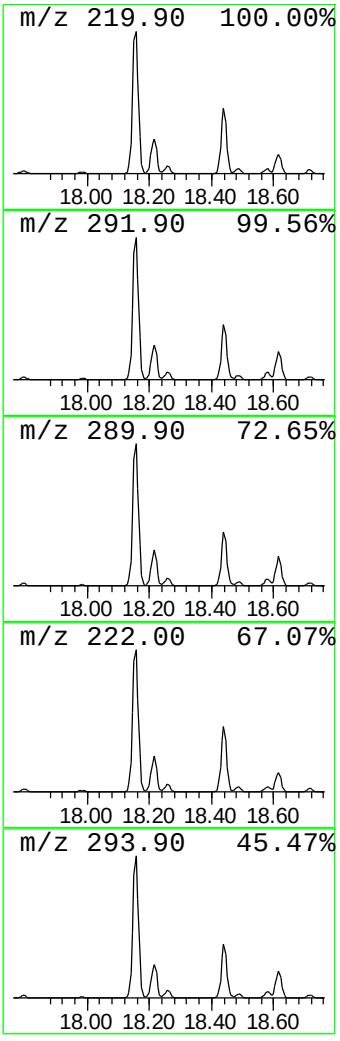
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	3.72 ng/ul	1459900	Phenanthrene-d10	17.07

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	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99





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Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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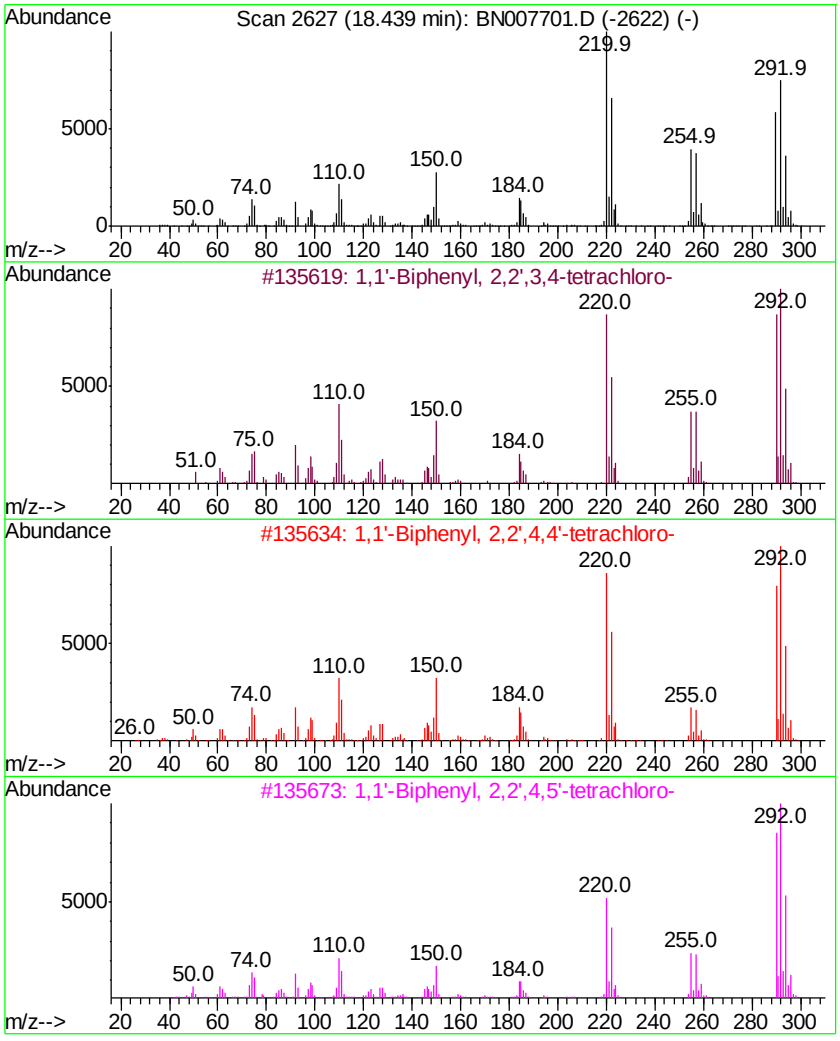
Quant Title : SVOA CALIBRATION

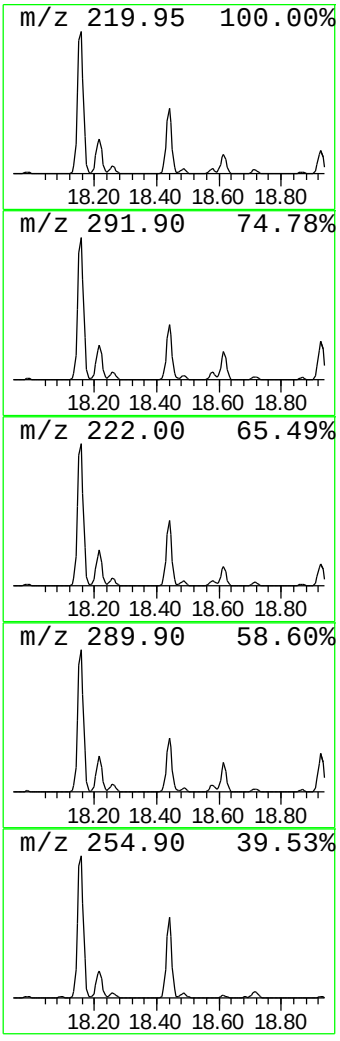
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1,1'-Biphenyl, 2,2',3,4-tet... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	35.16 ng/ul	13783000	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	1,1'-Biphenyl, 2,2',3,6'-tetrach...	290	C12H6Cl4	041464-47-5	99
5	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99





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Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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Quant Title : SVOA CALIBRATION

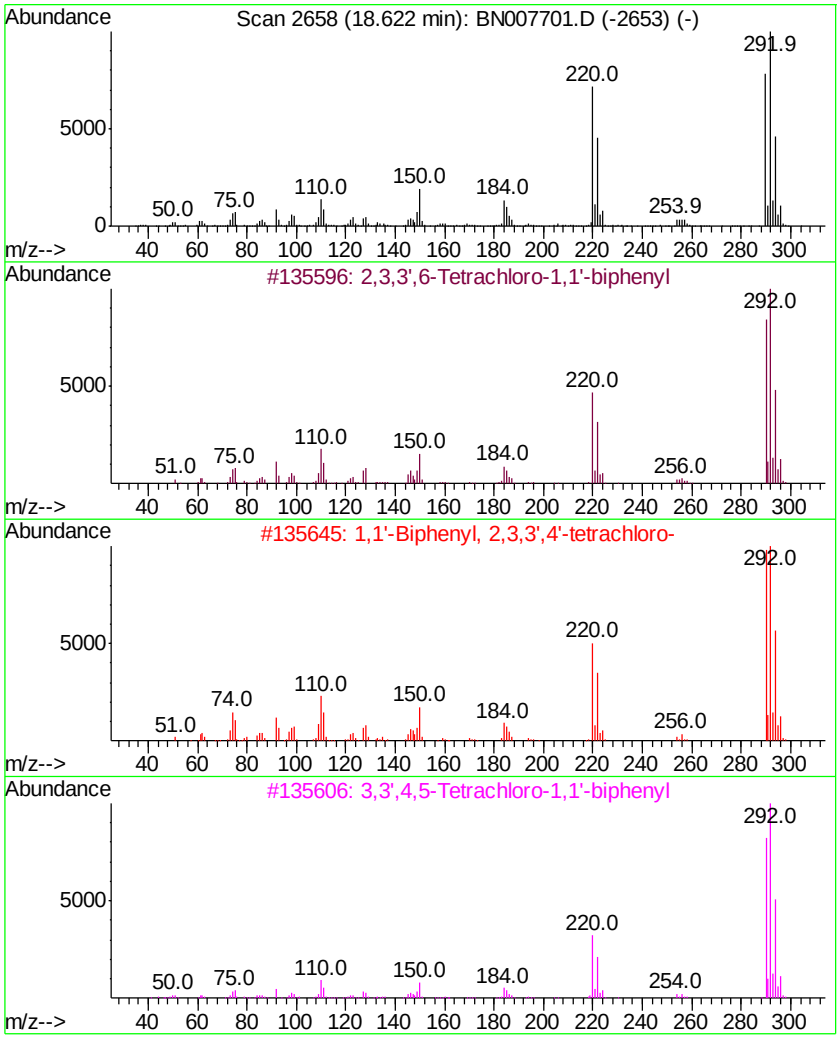
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

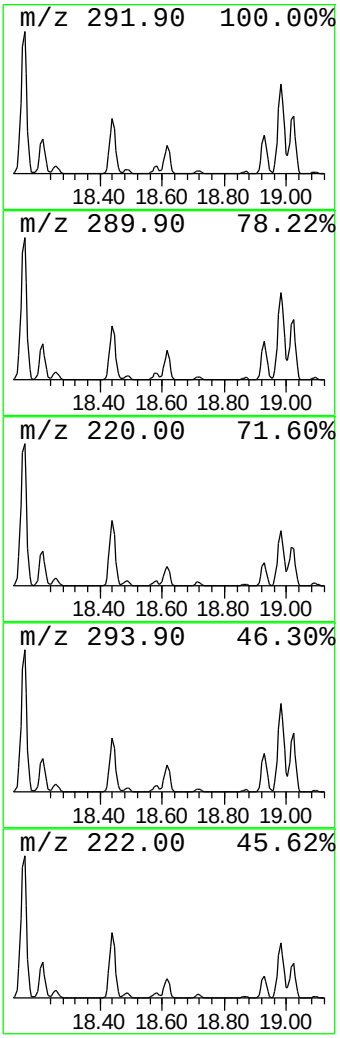
****

Peak Number 15 2,3,3',6-Tetrachloro-1,1'-b... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	11.69 ng/ul	4584430	Phenanthrene-d10	17.07

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	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
3	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
4	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99





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Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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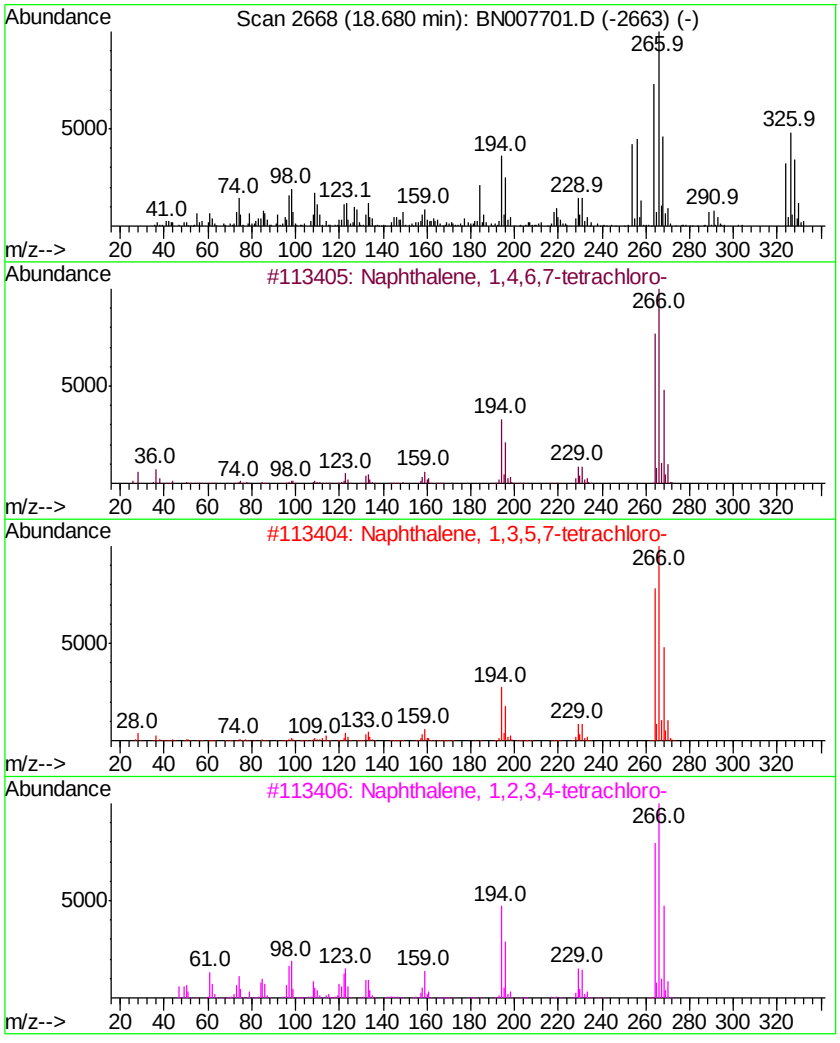
Quant Title : SVOA CALIBRATION

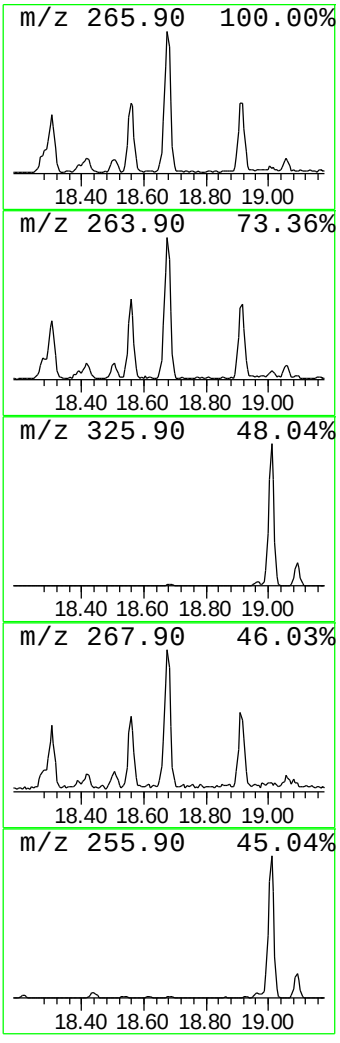
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Naphthalene, 1,4,6,7-tetrac... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	2.65 ng/ul	1040210	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6,7-tetrachloro-	264	C10H4Cl4	055720-43-9	98
2	Naphthalene, 1,3,5,7-tetrachloro-	264	C10H4Cl4	053555-64-9	97
3	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	92
4	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	91
5	Tetrachloroisophthalonitrile	264	C8Cl4N2	001897-45-6	87





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Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

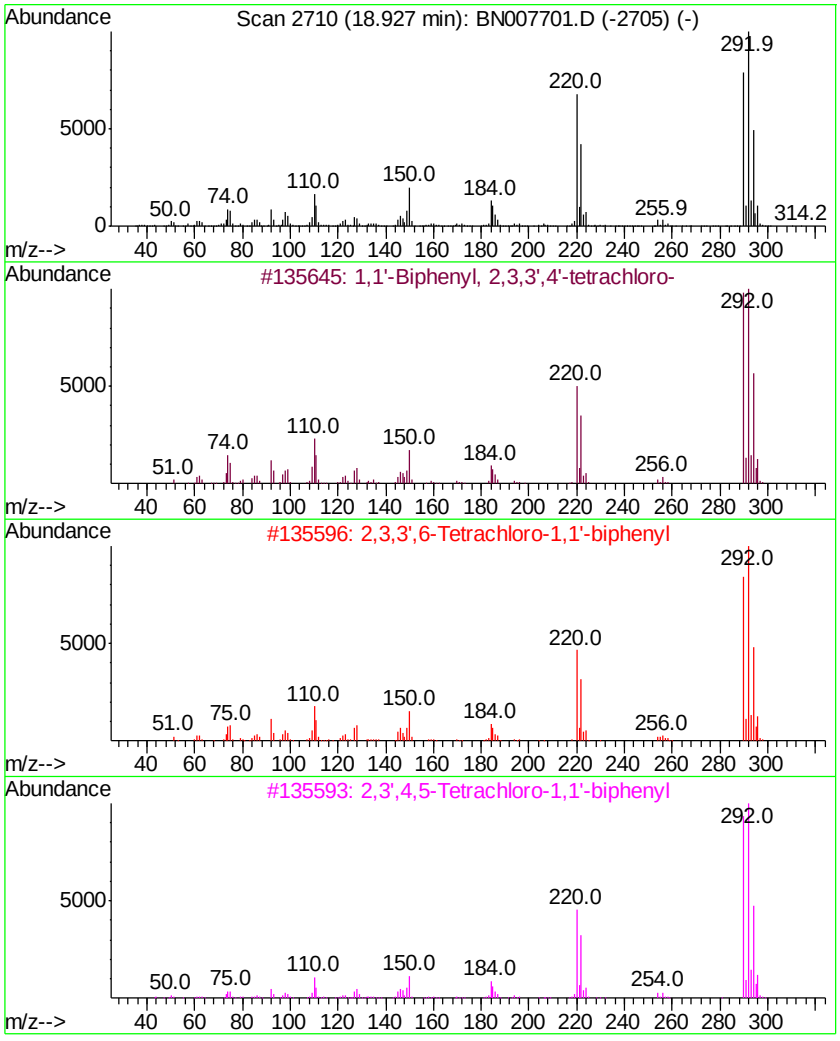
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

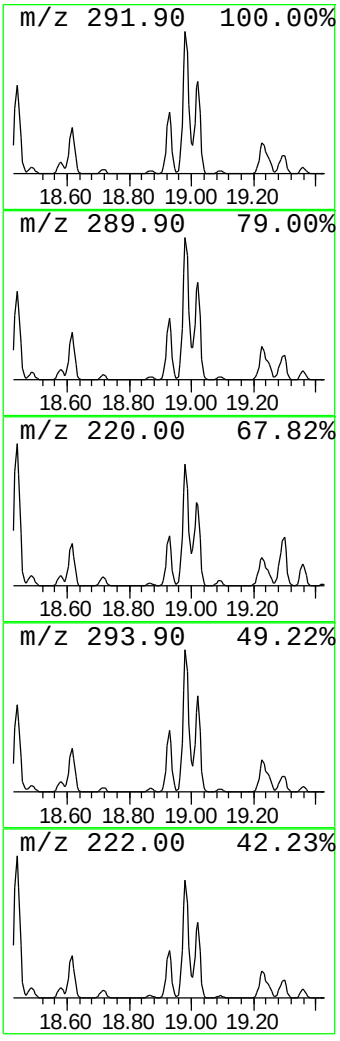
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	15.26 ng/ul	5982630	Phenanthrene-d10	17.07

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	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99





Library Search Compound Report

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Data File : BN007701.D
Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

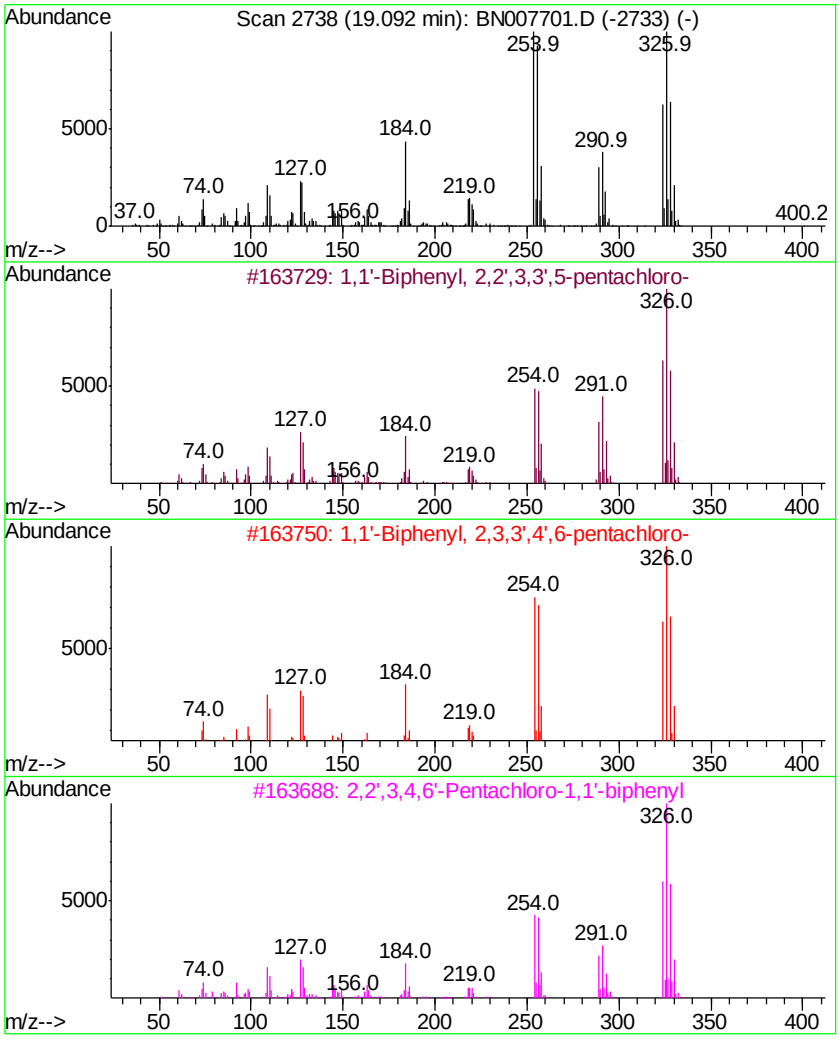
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

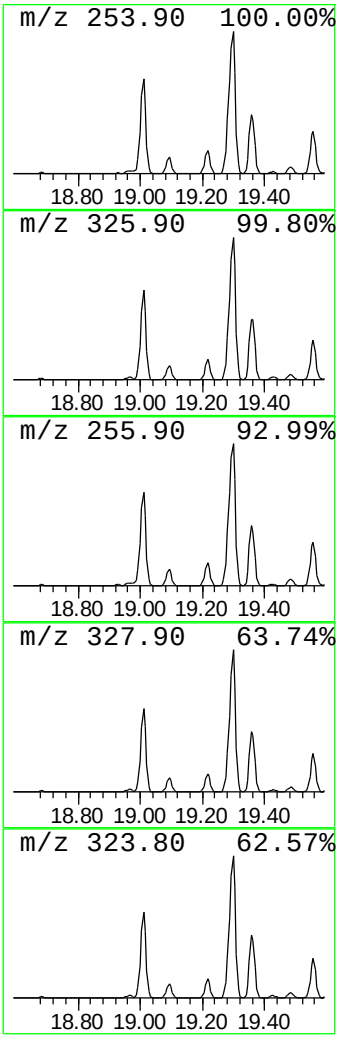
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1,1'-Biphenyl, 2,2',3,3',5-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	16.60 ng/ul	6509210	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99
4	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
5	2,2',3,5,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-55-0	99





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Data File : BN007701.D
Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

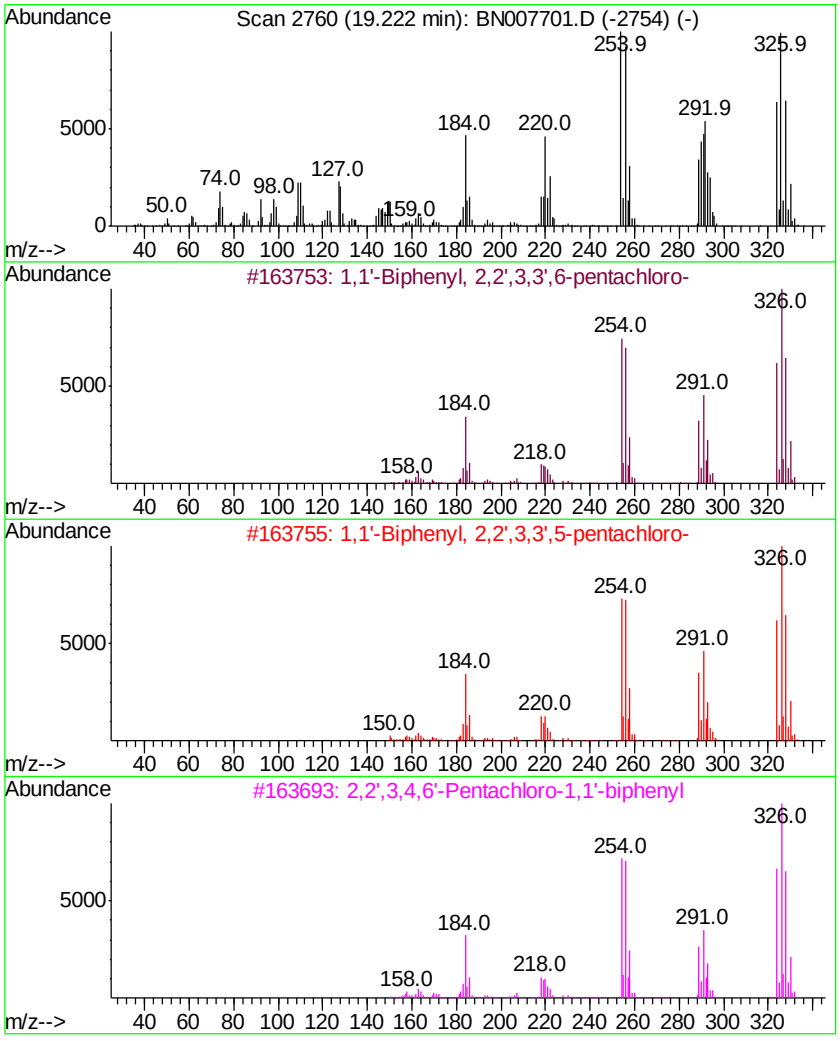
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

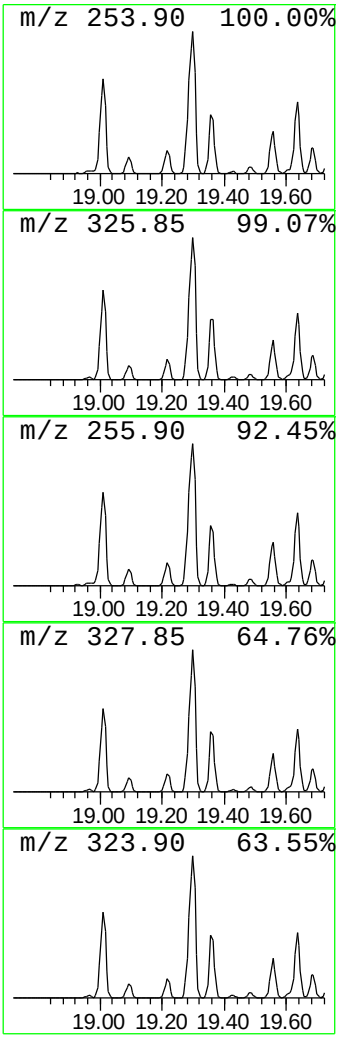
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 1,1'-Biphenyl, 2,2',3,3',6-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	34.13 ng/ul	13435700	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
2	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99
3	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
5	2,2',3,5,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-55-0	99





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Data File : BN007701.D
Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

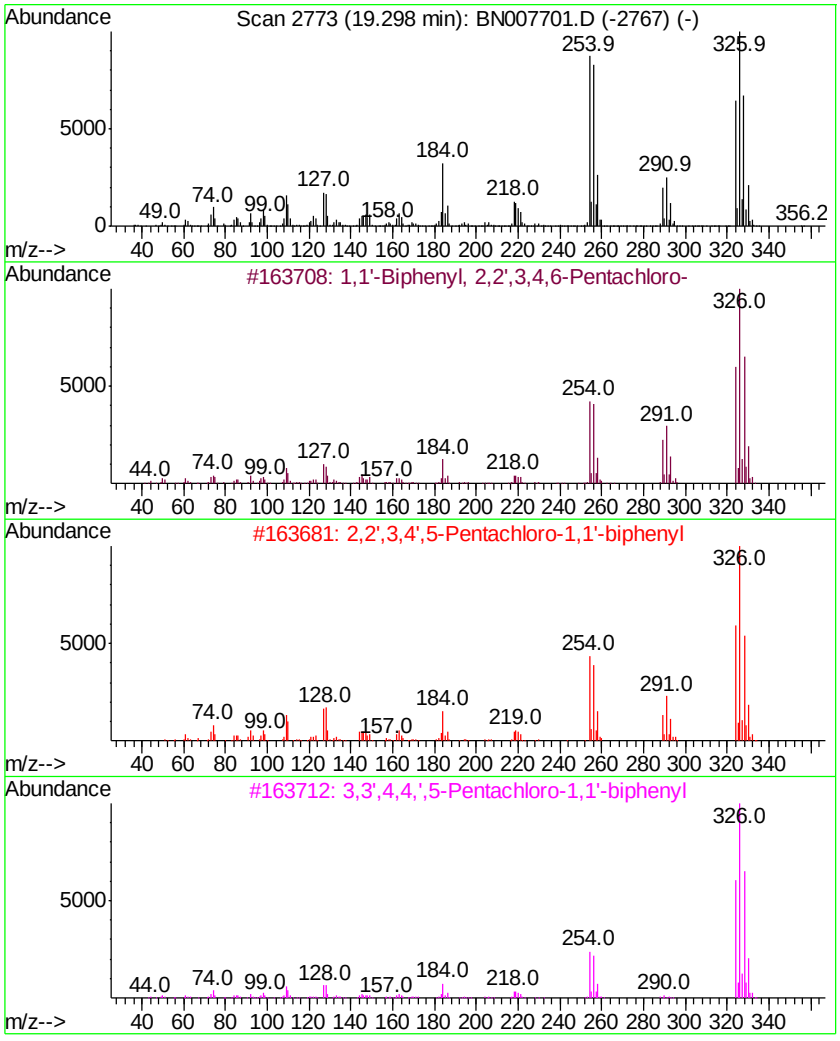
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

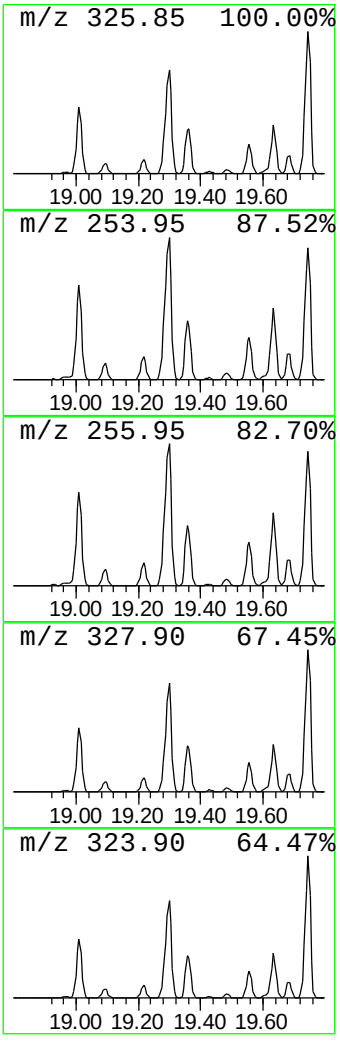
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 1,1'-Biphenyl, 2,2',3,4,6-P... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	174.49 ng/ul	68697200	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	99
2	2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	99
3	3,3',4,4,',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
4	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99
5	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007701.D
Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

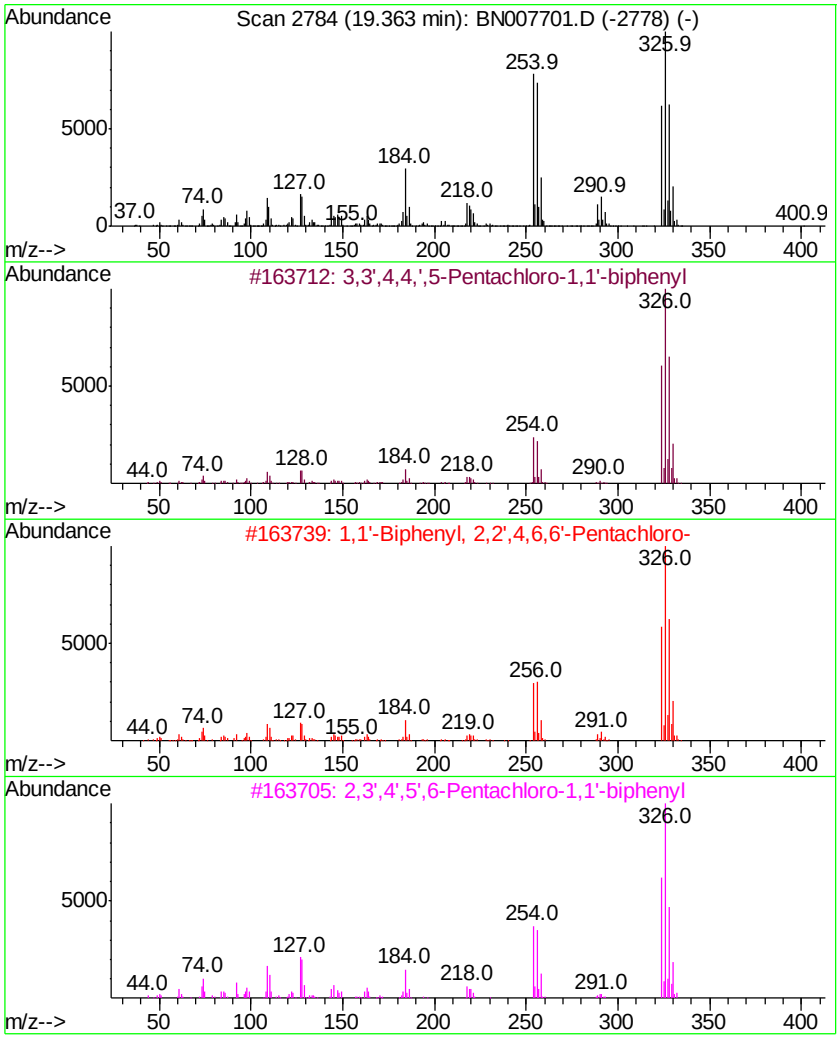
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

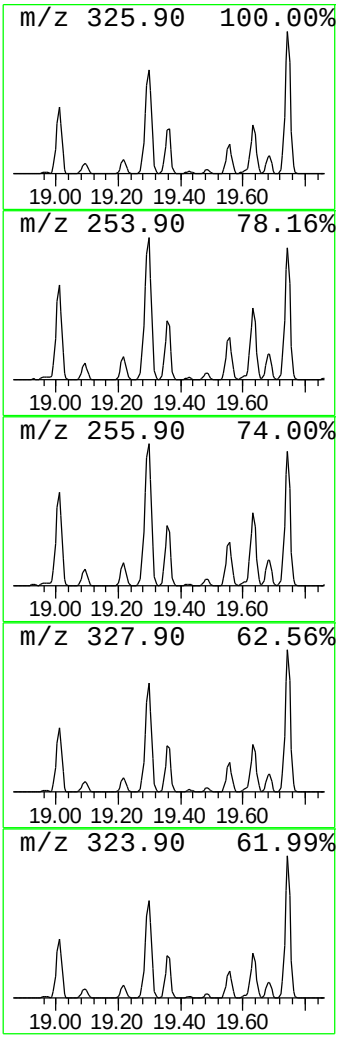
****

Peak Number 23 3,3',4,4',5-Pentachloro-1,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	61.67 ng/ul	24279000	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
2	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
3	2,3',4',5',6-Pentachloro-1,1'-bi...	324	C12H5Cl5	074472-39-2	99
4	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
5	2,3,3',5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-32-0	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007701.D
Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

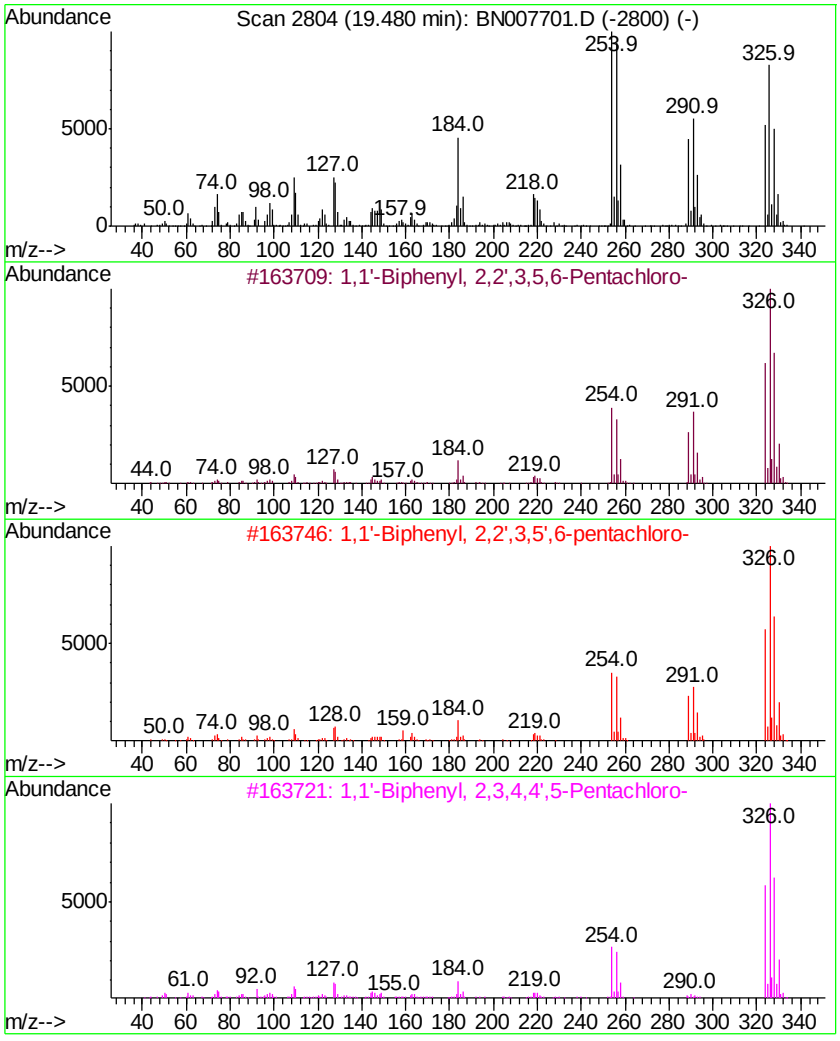
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

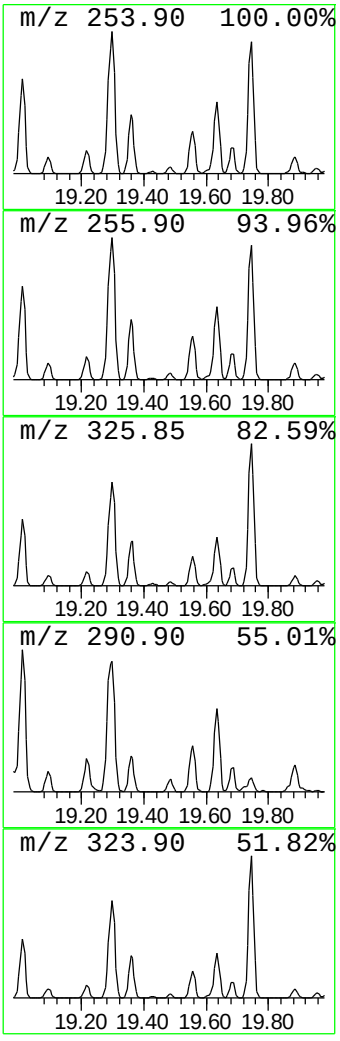
****

Peak Number 25 1,1'-Biphenyl, 2,2',3,5,6-P... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.48	7.26 ng/ul	2857530	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,6-Pentac...	324	C12H5Cl5	073575-56-1	99
2	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99
3	1,1'-Biphenyl, 2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	99
4	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
5	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99





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Data File : BN007701.D
Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

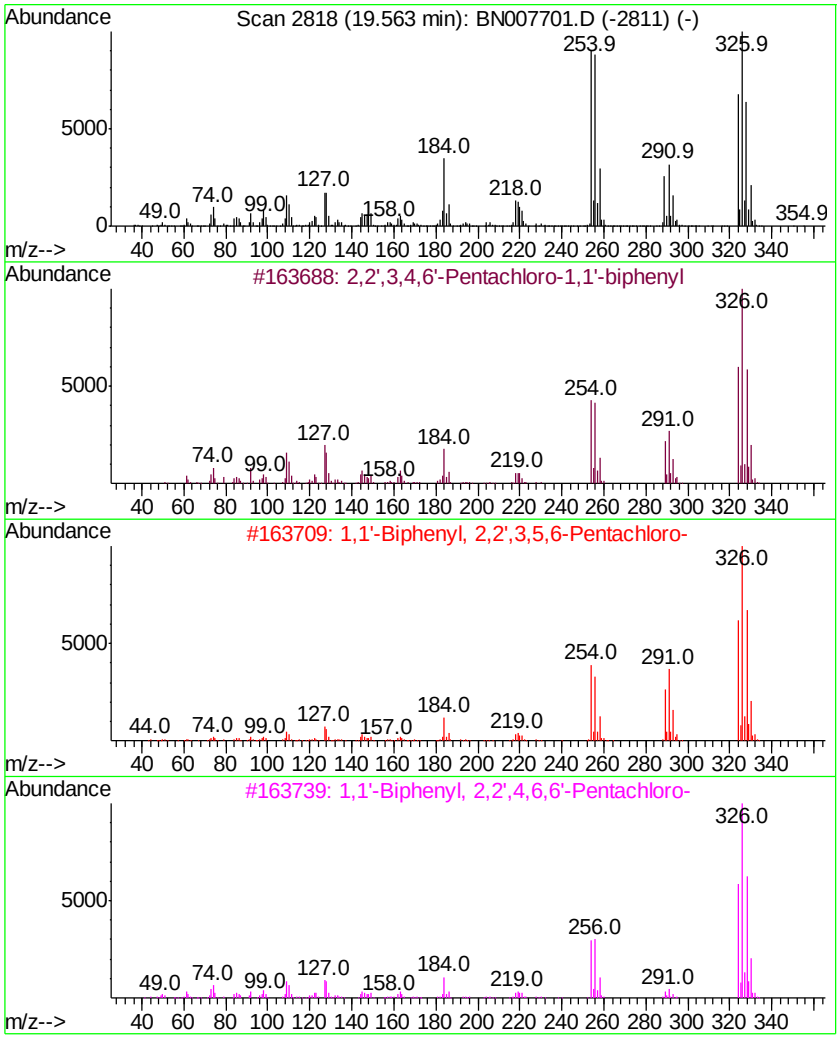
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

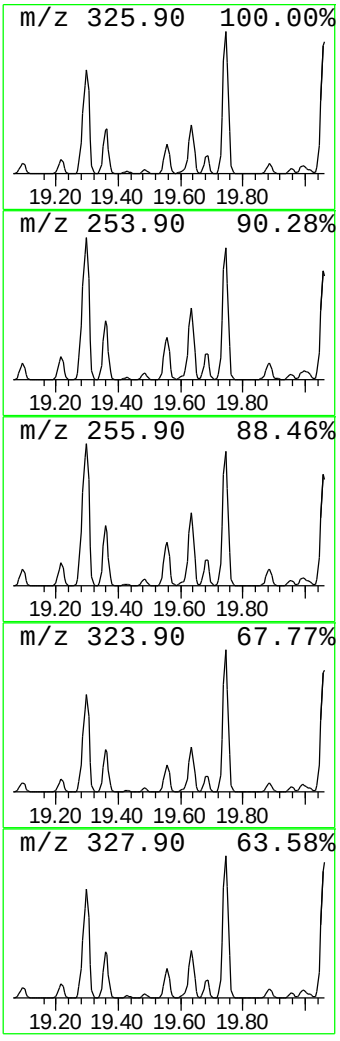
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 2,2',3,4,6'-Pentachloro-1,1... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.56	45.86 ng/ul	18055500	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99
2	1,1'-Biphenyl, 2,2',3,5,6-Pentac...	324	C12H5Cl5	073575-56-1	99
3	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
4	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	99
5	2,3,3',5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-32-0	99





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Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

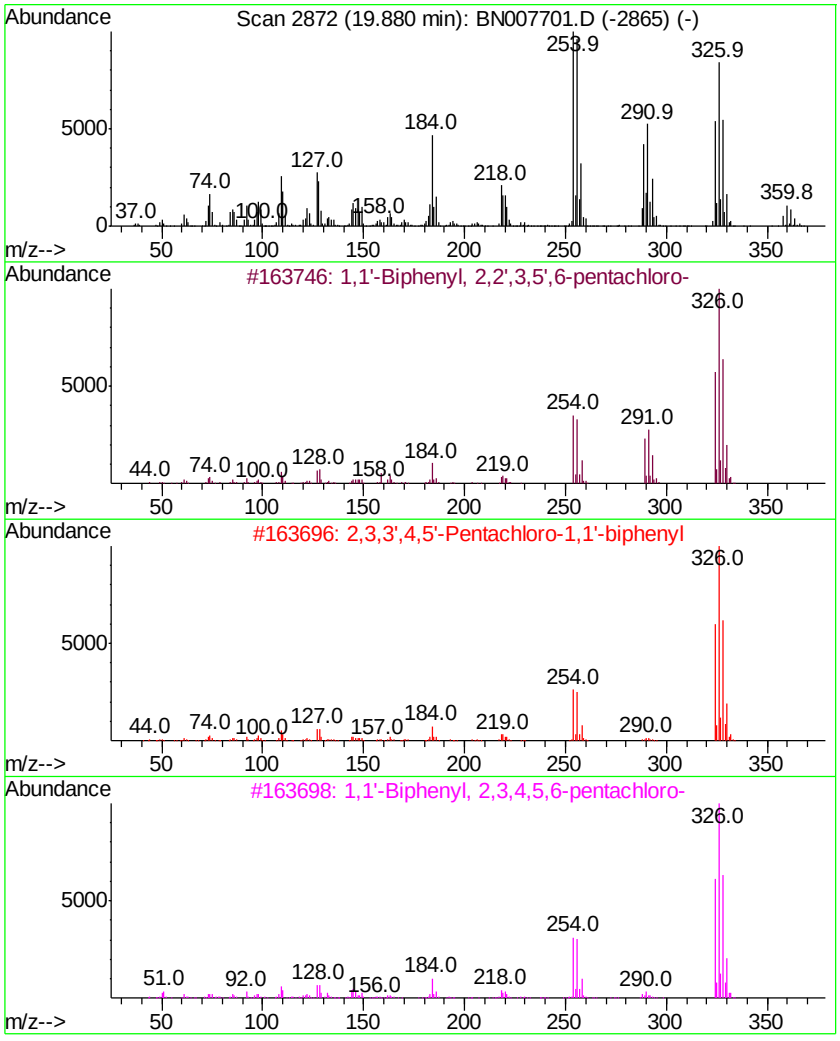
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

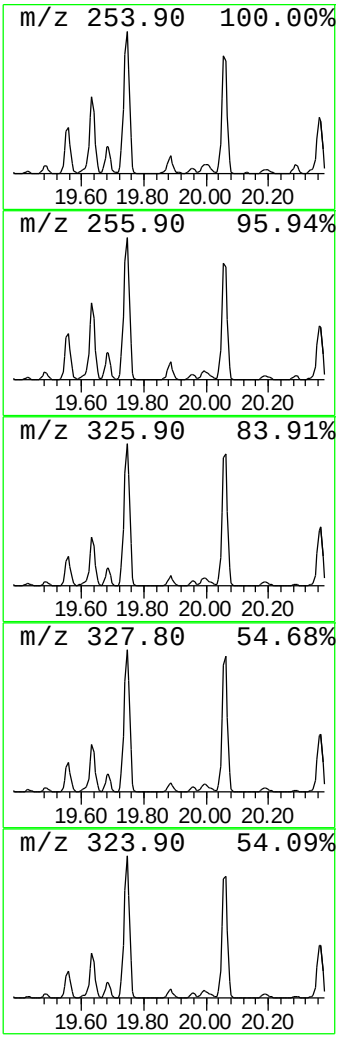
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 1,1'-Biphenyl, 2,2',3,5',6-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	29.54 ng/ul	11629900	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99
2	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
3	1,1'-Biphenyl, 2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	99
4	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99
5	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99





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Data File : BN007701.D
Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

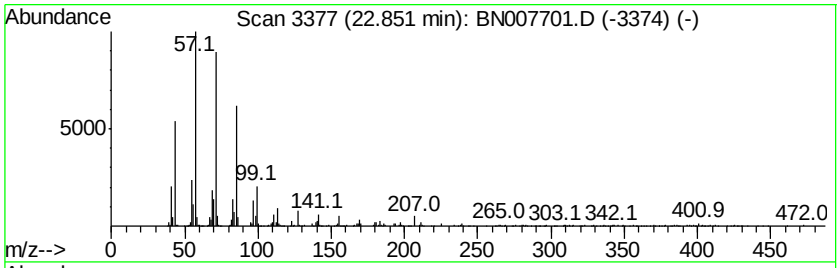
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

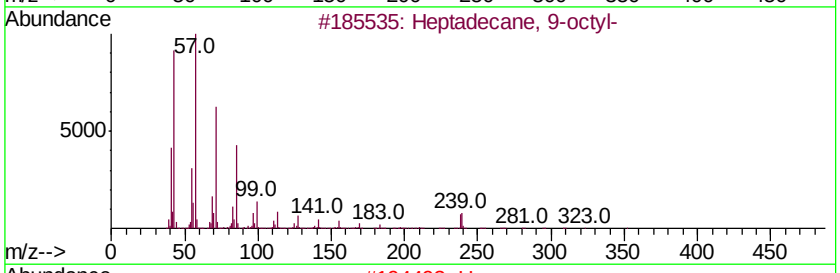
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

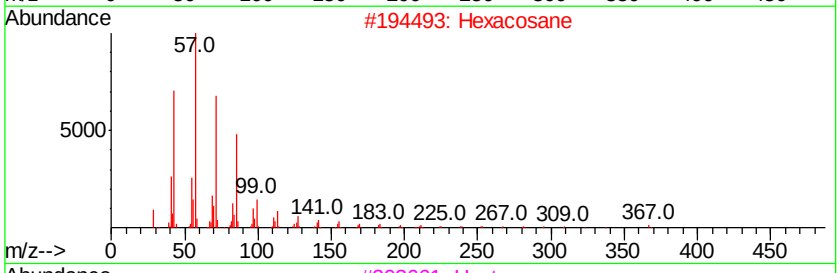
****
Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 51

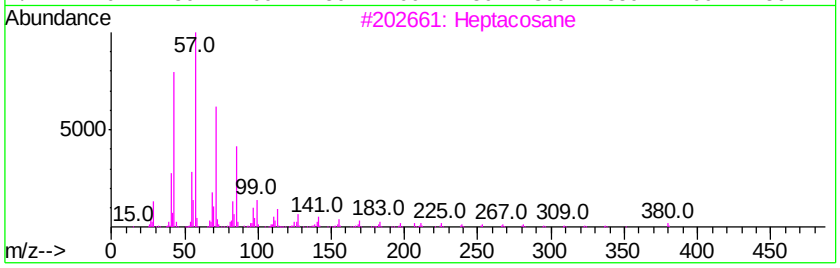
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.85	2.42 ng/ul	980518	Perylene-d12	23.49

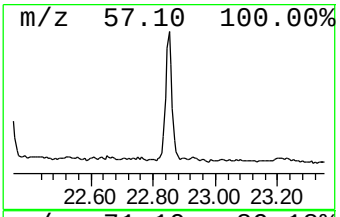
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	87
5	Heneicosane	296	C21H44	000629-94-7	87

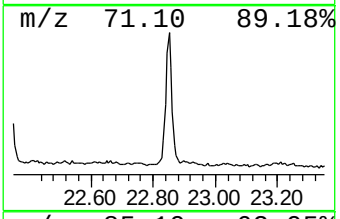


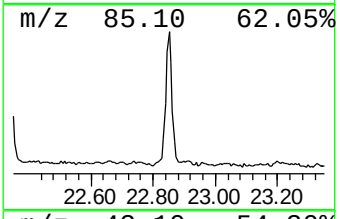


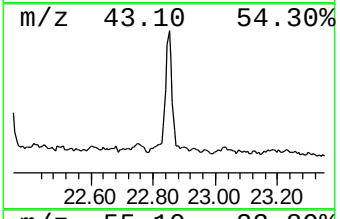


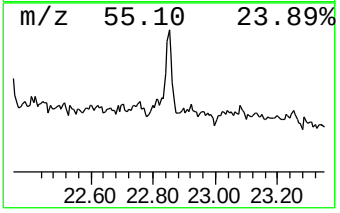












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN091719\
Data File : BN007701.D
Acq On : 17 Sep 2019 19:24
Operator : HP/JU
Sample : K4891-02
Misc : GCMS CONFIRMATION
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.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
(DEL) Alkane: Cyc...	3.03	2.3	ng/ul	409805	1	7.70	3623610	20.0
(DEL) Alkane: Str...	3.20	7.0	ng/ul	1267050	1	7.70	3623610	20.0
Cyclotrisiloxane,...	4.42	7.2	ng/ul	1298080	1	7.70	3623610	20.0
Cyclotetrasiloxan...	6.89	25.8	ng/ul	4679470	1	7.70	3623610	20.0
Naphthalene, 1,3,...	16.65	2.4	ng/ul	947567	4	17.07	7840330	20.0
Naphthalene, 2,3,...	17.27	2.4	ng/ul	950640	4	17.07	7840330	20.0
1,1'-Biphenyl, 2,...	17.68	3.6	ng/ul	1410000	4	17.07	7840330	20.0
1,1'-Biphenyl, 2,...	17.80	2.3	ng/ul	891113	4	17.07	7840330	20.0
Naphthalene, 1,3,...	17.93	2.5	ng/ul	965900	4	17.07	7840330	20.0
1,1'-Biphenyl, 2,...	18.16	82.1	ng/ul	32187800	4	17.07	7840330	20.0
2,2',4,6'-Tetrach...	18.22	18.4	ng/ul	7233670	4	17.07	7840330	20.0
1,1'-Biphenyl, 2,...	18.26	3.7	ng/ul	1459900	4	17.07	7840330	20.0
1,1'-Biphenyl, 2,...	18.44	35.2	ng/ul	13783000	4	17.07	7840330	20.0
2,3,3',6-Tetrachl...	18.62	11.7	ng/ul	4584430	4	17.07	7840330	20.0
Naphthalene, 1,4,...	18.68	2.6	ng/ul	1040210	4	17.07	7840330	20.0
1,1'-Biphenyl, 2,...	18.93	15.3	ng/ul	5982630	4	17.07	7840330	20.0
1,1'-Biphenyl, 2,...	19.09	16.6	ng/ul	6509210	4	17.07	7840330	20.0
1,1'-Biphenyl, 2,...	19.22	34.1	ng/ul	13435700	5	21.27	7873950	20.0
1,1'-Biphenyl, 2,...	19.30	174.5	ng/ul	68697200	5	21.27	7873950	20.0
3,3',4,4,',5-Pent...	19.36	61.7	ng/ul	24279000	5	21.27	7873950	20.0
1,1'-Biphenyl, 2,...	19.48	7.3	ng/ul	2857530	5	21.27	7873950	20.0
2,2',3,4,6'-Penta...	19.56	45.9	ng/ul	18055500	5	21.27	7873950	20.0
1,1'-Biphenyl, 2,...	19.88	29.5	ng/ul	11629900	5	21.27	7873950	20.0
(DEL) Alkane: Str...	22.85	2.4	ng/ul	980518	6	23.49	8105160	20.0