LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BN121218MA.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	3.187	31	34	42	rVB	63076	70580	5.70%	0.529%
2	4.534	259	263	268	rBB	32089	42910	3.47%	0.322%
3	7.816	815	821	828	rBB	108566	167041	13.50%	1.253%
4	10.616	1289	1297	1302	rBV	176055	287930	23.26%	2.159%
5	10.663	1302	1305	1311	rVB	11206	16940	1.37%	0.127%
6	14.457	1942	1950	1957	rBV2	294982	446592	36.08%	3.349%
7	14.522	1957	1961	1966	rVB	30804	43243	3.49%	0.324%
8	14.857	2011	2018	2023	rBV	18857	27460	2.22%	0.206%
9	15.510	2123	2129	2136	rBB	28568	44654	3.61%	0.335%
10	15.798	2174	2178	2182	rBB	10153	12582	1.02%	0.094%
11	15.945	2199	2203	2210	rVB	10884	19583	1.58%	0.147%
12	16.134	2230	2235	2249	rBV3	5601	17167	1.39%	0.129%
13	16.722	2328	2335	2341	rBV5	9740	21455	1.73%	0.161%
14	16.798	2341	2348	2352	rVV2	12638	23951	1.93%	0.180%
15	16.869	2354	2360	2365	rBV	16920	25097	2.03%	0.188%
16	16.945	2365	2373	2377	rBV4	35264	60271	4.87%	0.452%
17	17.028	2382	2387	2389	rBV	19463	26994	2.18%	0.202%
18	17.210	2410	2418	2421	rBV	339676	498896	40.31%	3.741%
19	17.251	2421	2425	2431	rVB	459621	649768	52.49%	4.872%
20	17.339	2435	2440	2444	rBV	93922	134634	10.88%	1.010%
21	17.616	2483	2487	2491	rBV	13708	21018	1.70%	0.158%
22	17.716	2501	2504	2510	rVB	8819	12456	1.01%	0.093%
23	17.798	2511	2518	2524	rVV2	64234	115223	9.31%	0.864%
24	17.910	2532	2537	2546	rBV5	14597	31928	2.58%	0.239%
25	18.045	2556	2560	2561	rBV	16705	17427	1.41%	0.131%
26	18.075	2561	2565	2570	rVV	67117	116655	9.42%	0.875%
27	18.128	2570	2574	2581	rVV2	82802	137007	11.07%	1.027%
28	18.210	2584	2588	2592	rVV	31726	44651	3.61%	0.335%
29	18.269	2592	2598	2603	rVV3	108616	221167	17.87%	1.658%
30	18.316	2603	2606	2611	rVV2	56901	87428	7.06%	0.656%
31	18.363	2611	2614	2621	rVB3	20598	32860	2.65%	0.246%
32	18.551	2642	2646	2648	rBV	38447	50733	4.10%	0.380%
33	18.580	2648	2651	2657	rVV	45702	70871	5.73%	0.531%
34	18.633	2657	2660	2667	rVV2	25982	43148	3.49%	0.324%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BN121218MA.M
Title : SVOA CALIBRATION

35	18.727	2673	2676	2680	rVB	27841	33605	2.71%	0.252%
36	18.828	2689	2693	2698	rVB5	21199	28624	2.31%	0.215%
37	18.875	2698	2701	2704	rVB	14273	14306	1.16%	0.107%
38	18.916	2705	2708	2711	rBV	11854	14109	1.14%	0.106%
39	18.992	2717	2721	2725	rBV	40105	57206	4.62%	0.429%
40	19.039	2726	2729	2734	rVV5	29733	57207	4.62%	0.429%
41	19.086	2734	2737	2739	rVV	51200	69205	5.59%	0.519%
42	19.110	2739	2741	2753	rVB5	68247	169164	13.67%	1.268%
43	19.269	2762	2768	2773	rBV	816332	1067524	86.24%	8.005%
44	19.322	2773	2777	2778	rBV2	19573	21879	1.77%	0.164%
45	19.392	2786	2789	2796	rVB2	92259	118668	9.59%	0.890%
46	19.457	2797	2800	2803	rBV3	22078	28794	2.33%	0.216%
47	19.492	2803	2806	2817	rVB2	91958	143525	11.60%	1.076%
48	19.598	2819	2824	2826	rVV2	115454	175539	14.18%	1.316%
49	19.633	2826	2830	2837	rVB	636545	849727	68.65%	6.372%
50	19.698	2838	2841	2845	rBV	31538	41928	3.39%	0.314%
51	19.816	2857	2861	2863	rBV	42319	59875	4.84%	0.449%
52	19.845	2864	2866	2870	rVB	45921	42514	3.43%	0.319%
53	19.963	2880	2886	2891	rBV2	91178	148584	12.00%	1.114%
54	20.104	2905	2910	2916	rBV2	179485	299286	24.18%	2.244%
55	20.157	2917	2919	2923	rVB2	31339	31629	2.56%	0.237%
56	20.222	2927	2930	2934	rBV	44475	62922	5.08%	0.472%
57	20.380	2953	2957	2961	rVB	186237	223963	18.09%	1.679%
58	20.433	2962	2966	2969	rBV2	62750	85785	6.93%	0.643%
59	20.510	2976	2979	2982	rBV	128369	157363	12.71%	1.180%
60	20.545	2982	2985	2991	rVB2	180769	213580	17.25%	1.601%
61	20.698	3004	3011	3017	rBV2	134049	279932	22.62%	2.099%
62	20.845	3032	3036	3038	rBV2	72551	82344	6.65%	0.617%
63	20.880	3039	3042	3045	rVV	47125	52641	4.25%	0.395%
64	21.039	3066	3069	3072	rBV2	53387	74118	5.99%	0.556%
65	21.074	3072	3075	3079	rVV2	96671	122256	9.88%	0.917%
66	21.116	3079	3082	3087	rVV2	125125	144314	11.66%	1.082%
67	21.174	3089	3092	3097	rVB	95005	125369	10.13%	0.940%
68	21.274	3106	3109	3114	rVB2	108399	128362	10.37%	0.962%
69	21.398	3123	3130	3133	rBV2	613711	1237790	100.00%	9.281%
70	21.433	3133	3136	3145	rVB	338324	440154	35.56%	3.300%
71	21.551	3152	3156	3161	rBV	96732	127137	10.27%	0.953%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BN121218MA.M
Title : SVOA CALIBRATION

72	21.604	3161	3165	3168	rBV	77163	104168	8.42%	0.781%
73	21.721	3182	3185	3189	rVB3	79417	103597	8.37%	0.777%
74	22.010	3232	3234	3240	rVB2	65221	81870	6.61%	0.614%
75	23.015	3400	3405	3410	rBV	271083	620791	50.15%	4.655%
76	23.515	3486	3490	3499	rVB	162428	300728	24.30%	2.255%
77	23.615	3502	3507	3514	rVB	188836	353244	28.54%	2.649%
78	23.721	3519	3525	3530	rBV2	232675	443871	35.86%	3.328%
79	26.080	3919	3926	3936	rVB	103286	314222	25.39%	2.356%
80	26.357	3969	3973	3980	rVB2	31610	66966	5.41%	0.502%
81	26.809	4044	4050	4068	rVB	76517	275608	22.27%	2.067%

Sum of corrected areas: 13336313

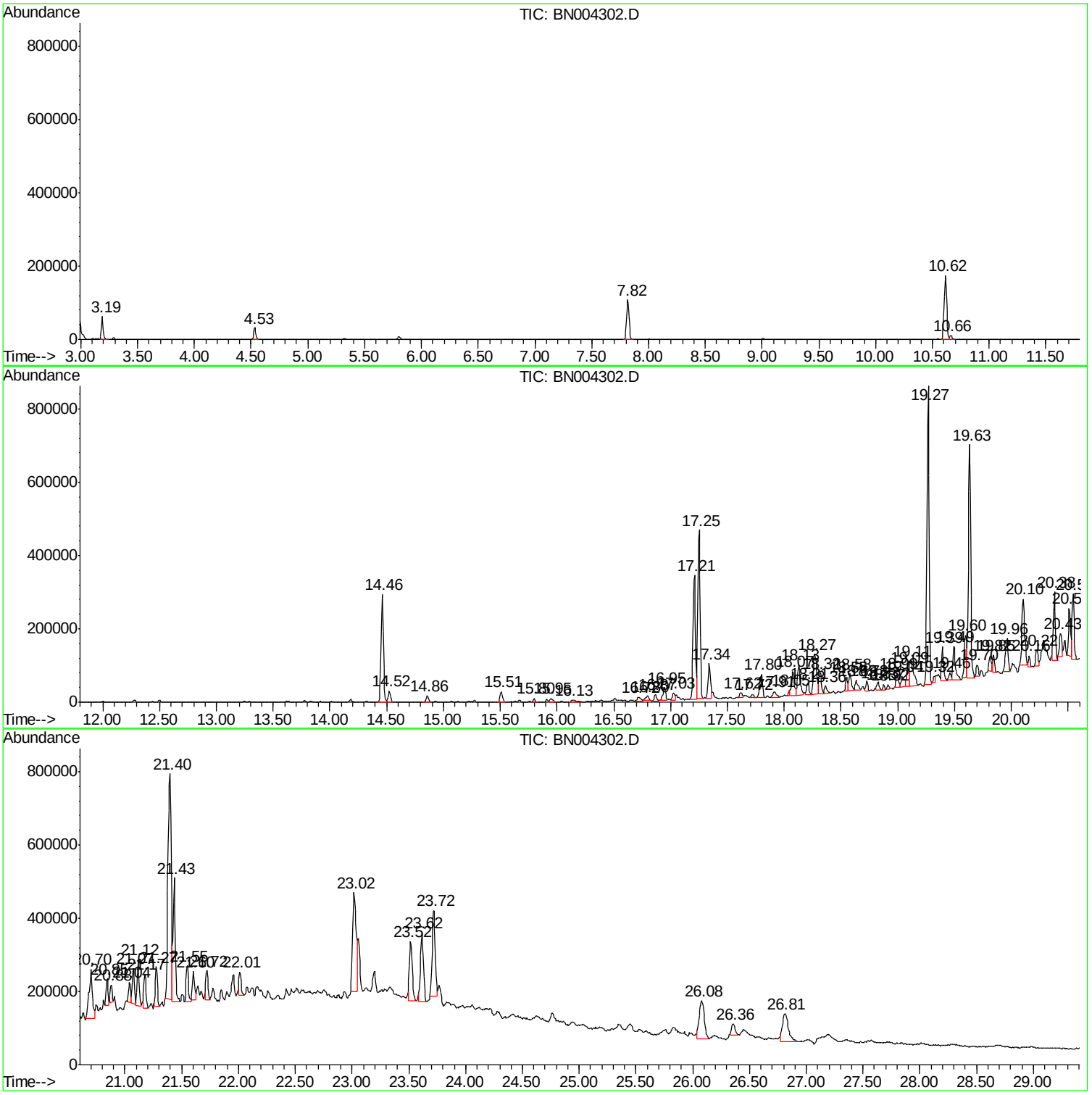
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

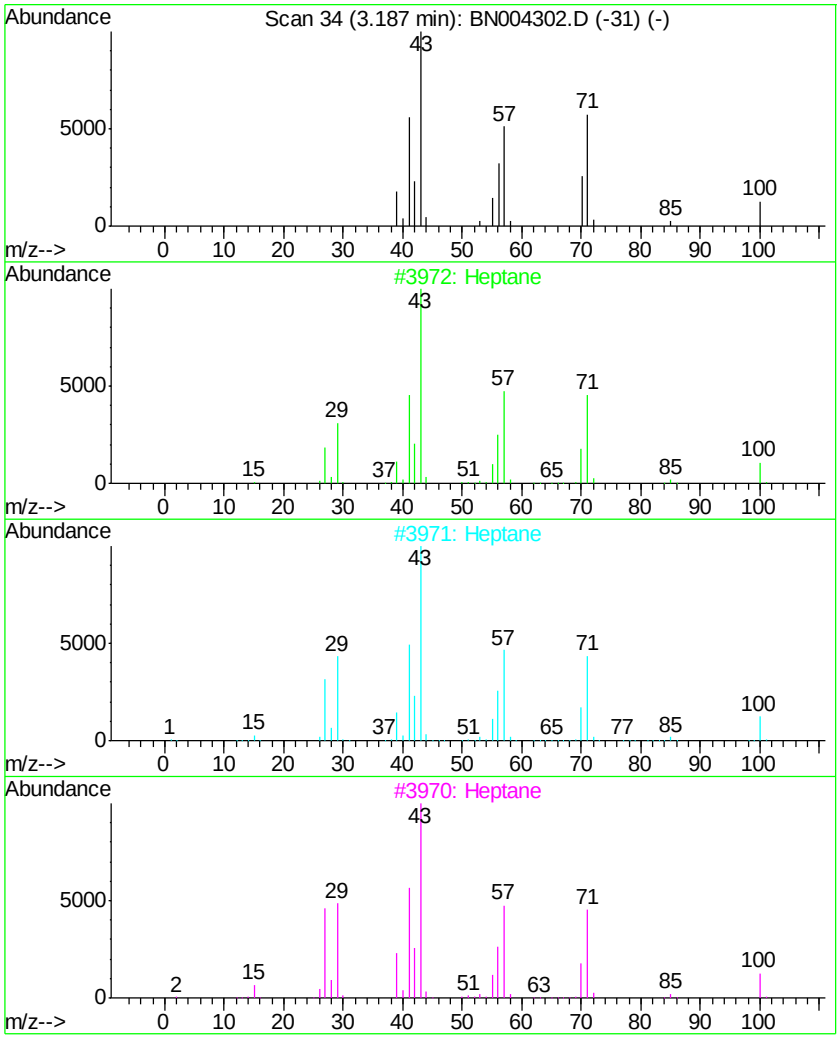
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

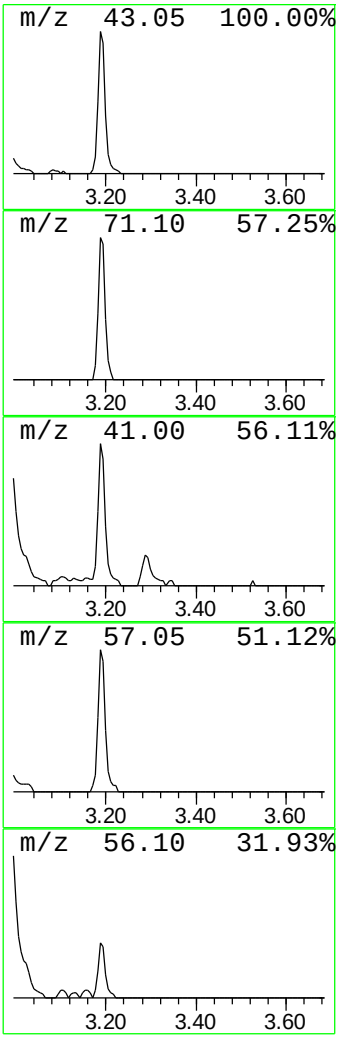
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	8.45 ng/ul	70580	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	94
2	Heptane	100	C7H16	000142-82-5	90
3	Heptane	100	C7H16	000142-82-5	87
4	Heptane	100	C7H16	000142-82-5	87
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

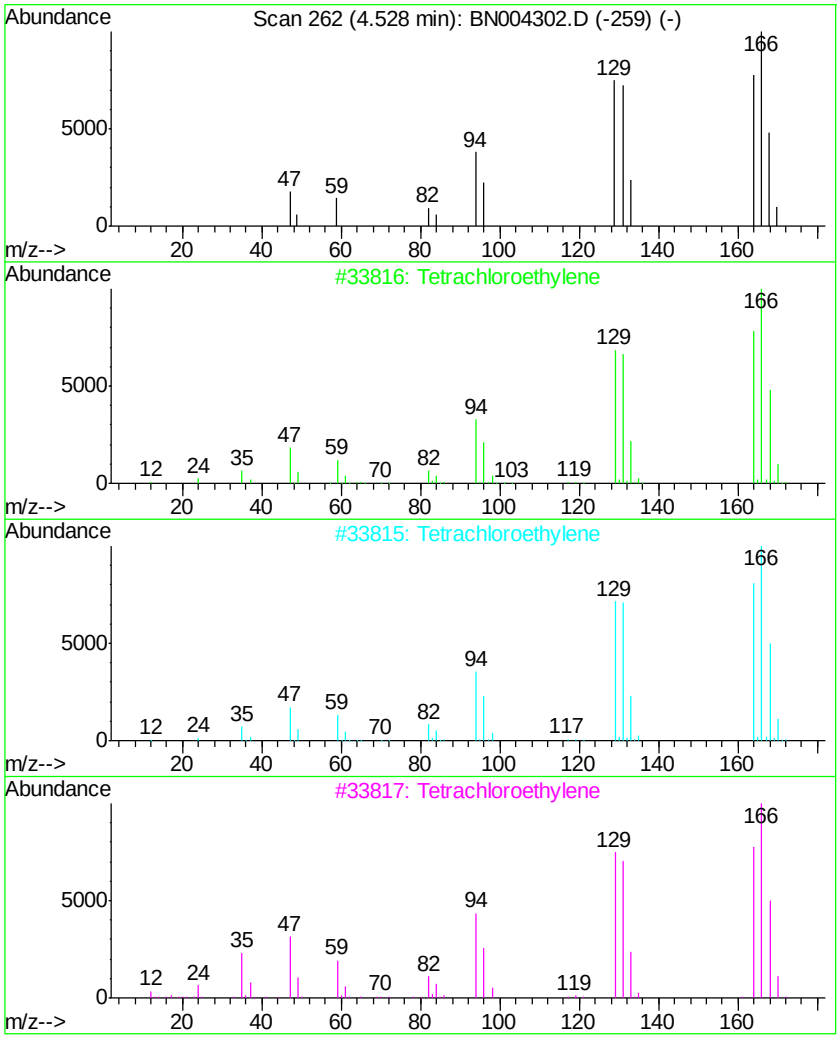
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

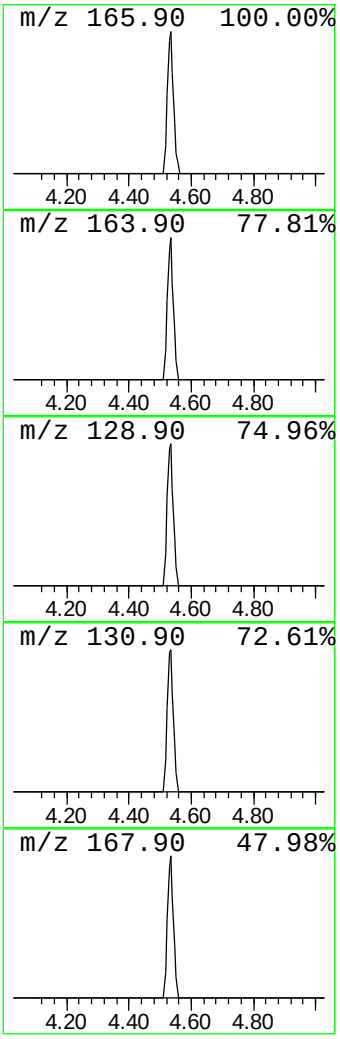
****

Peak Number 2 Tetrachloroethylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.53	5.14 ng/ul	42910	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrachloroethylene	164	C2Cl4	000127-18-4	98
2	Tetrachloroethylene	164	C2Cl4	000127-18-4	98
3	Tetrachloroethylene	164	C2Cl4	000127-18-4	97
4	Tetrachloroethylene	164	C2Cl4	000127-18-4	96
5	Pyrimidine, 5-fluoro-2,4-dichloro-	166	C4HCl2FN2	002927-71-1	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

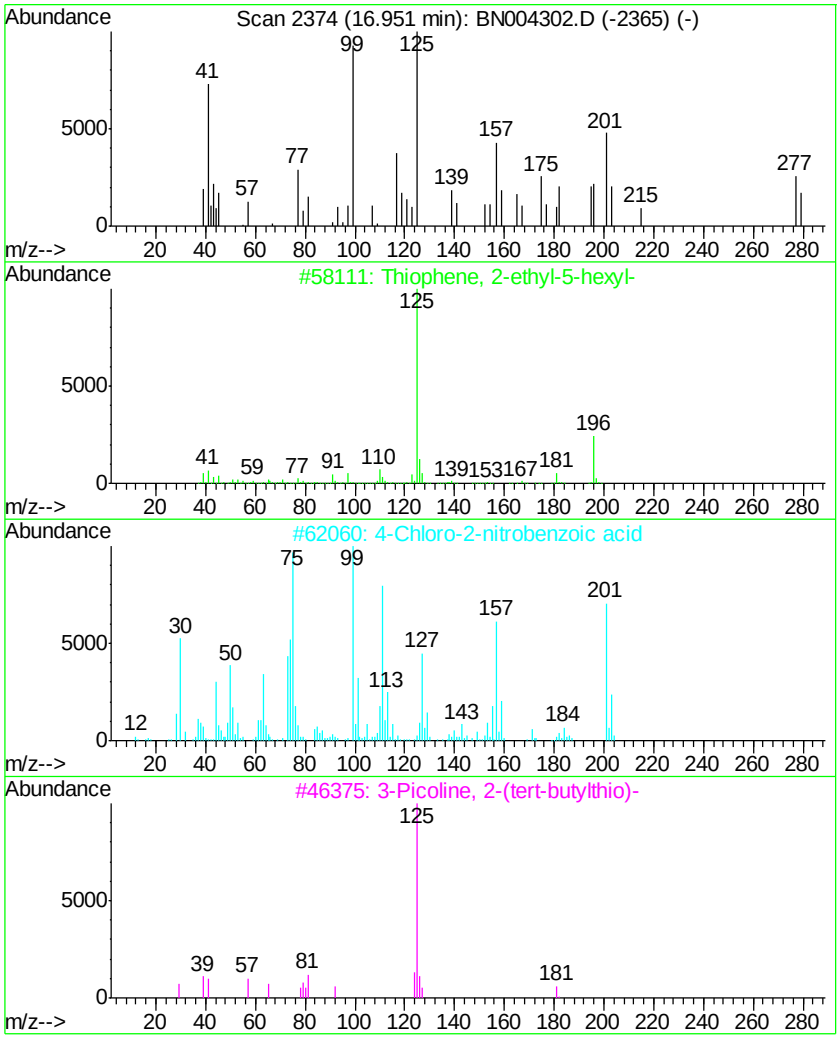
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

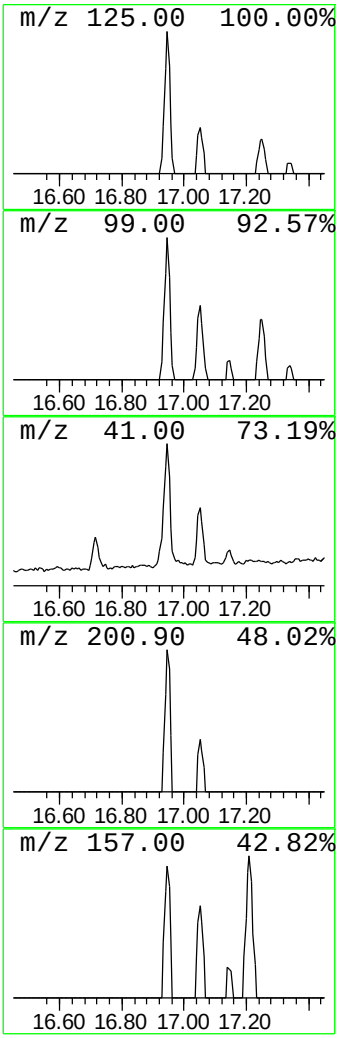
****

Peak Number 3 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	2.42 ng/ul	60271	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethyl-5-hexyl-	196	C12H20S	042908-64-5	11
2	4-Chloro-2-nitrobenzoic acid	201	C7H4ClNO4	006280-88-2	10
3	3-Picoline, 2-(tert-butylthio)-	181	C10H15NS	018833-87-9	10
4	Benzenethiol, 2-amino-	125	C6H7NS	000137-07-5	9
5	3-Picoline, 6-(tert-butylthio)-	181	C10H15NS	018794-46-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

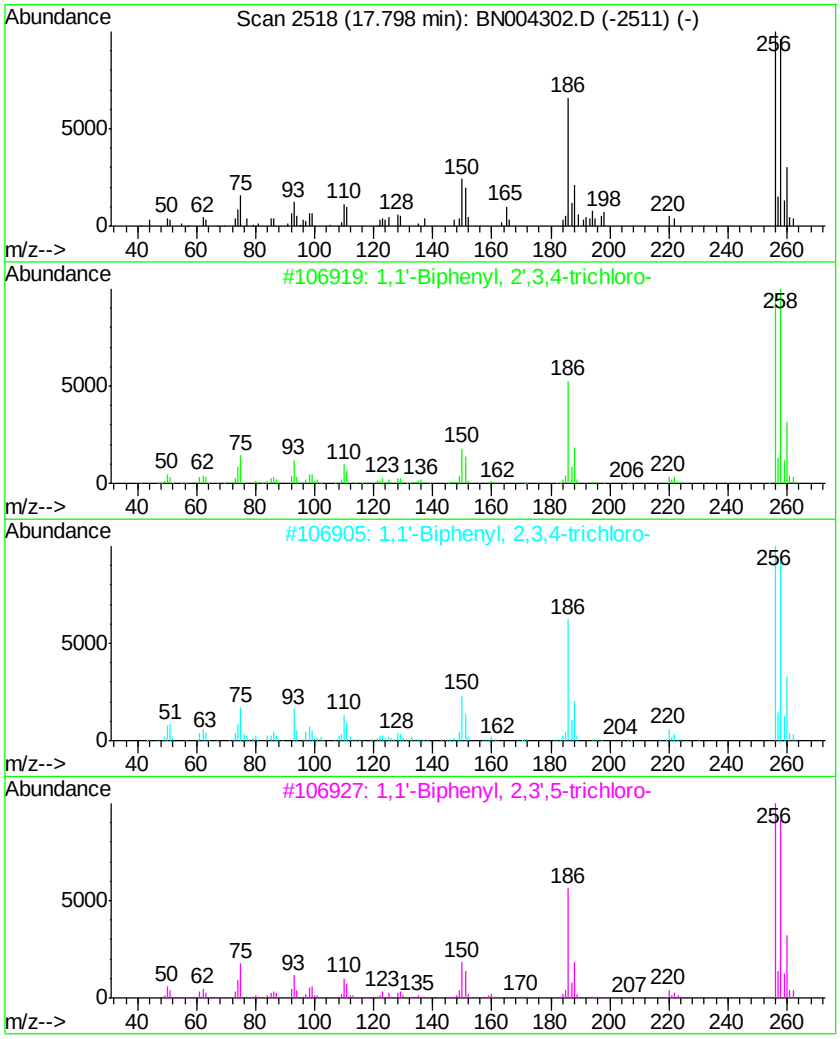
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

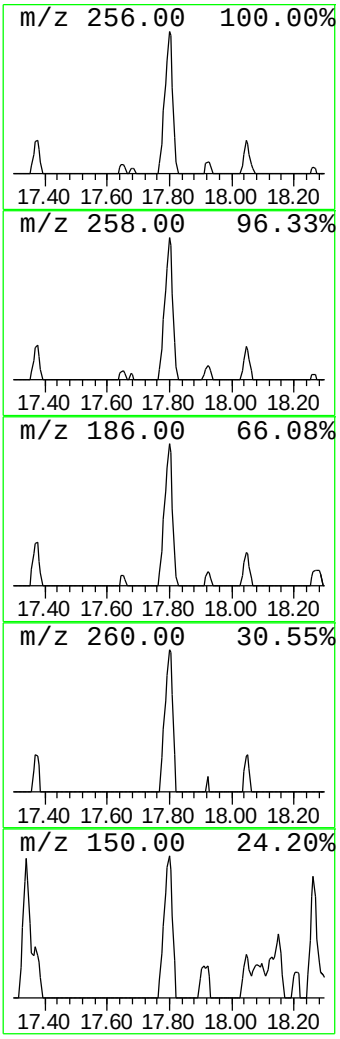
****

Peak Number 4 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	4.62 ng/ul	115223	Phenanthrene-d10	17.21

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, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
3	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
4	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	99
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

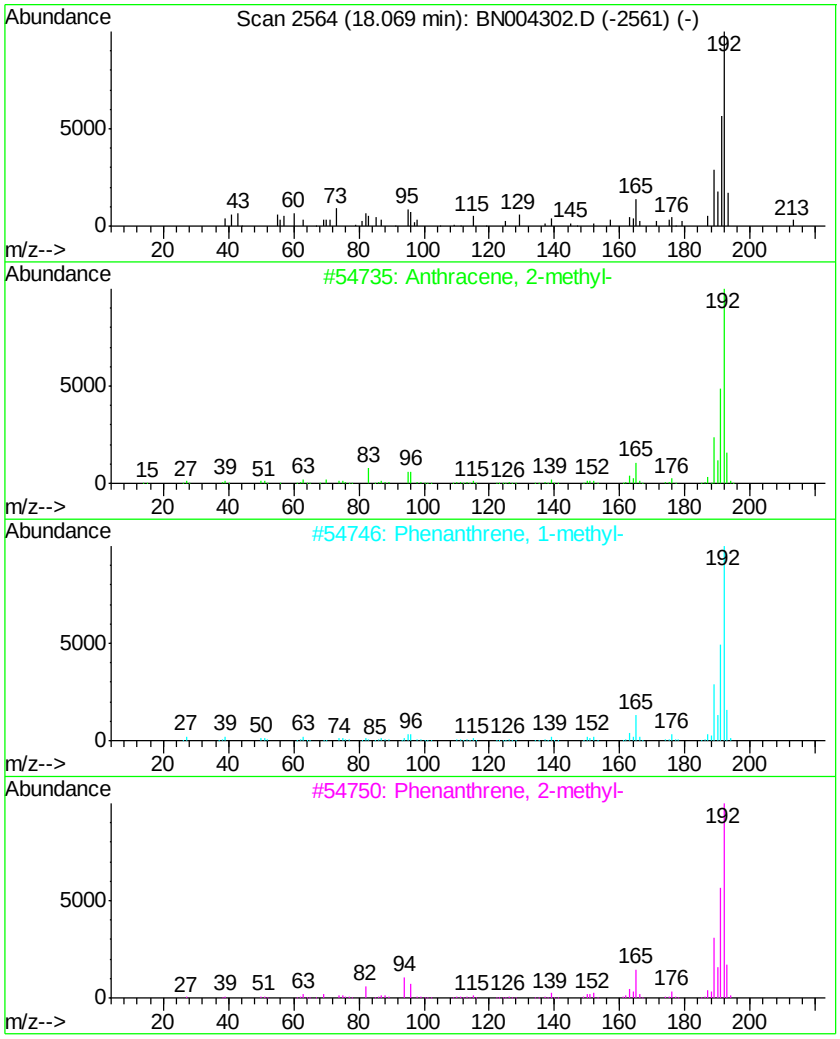
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

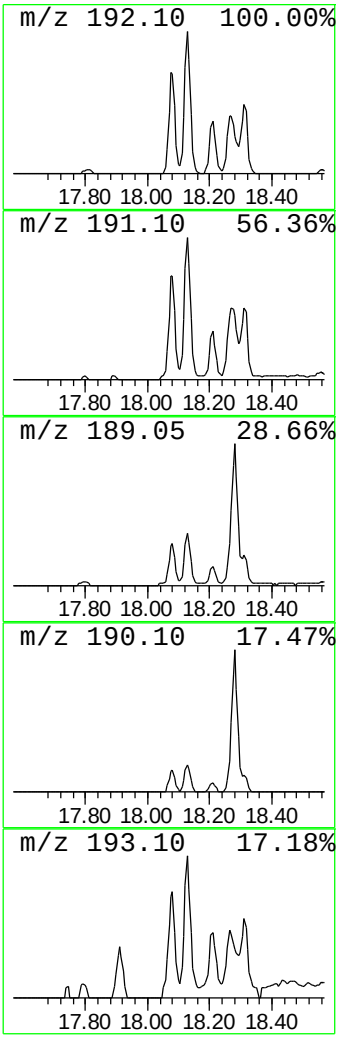
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	4.68 ng/ul	116655	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

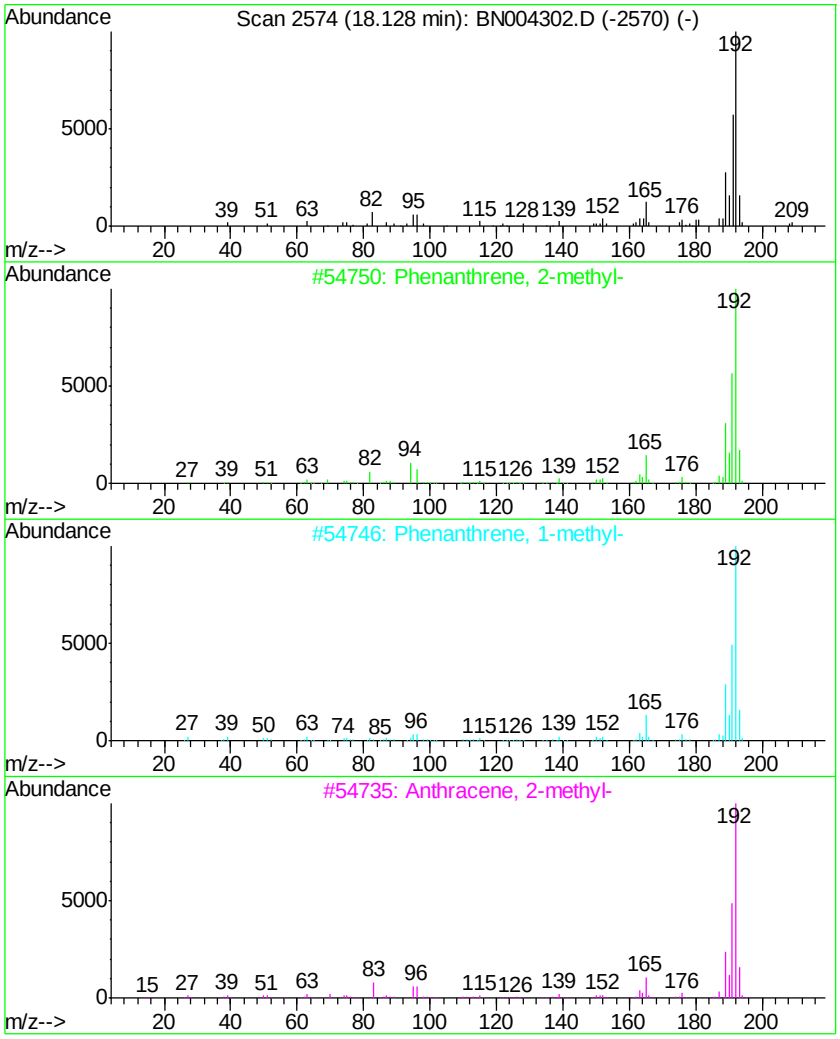
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

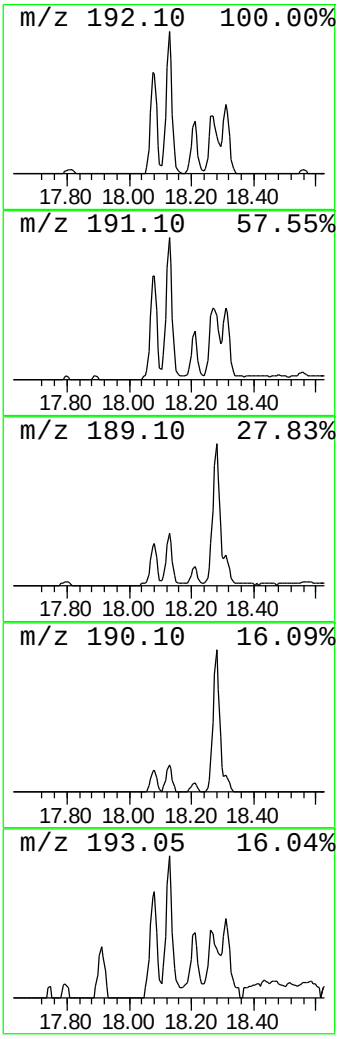
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	5.49 ng/ul	137007	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

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Quant Title : SVOA CALIBRATION

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

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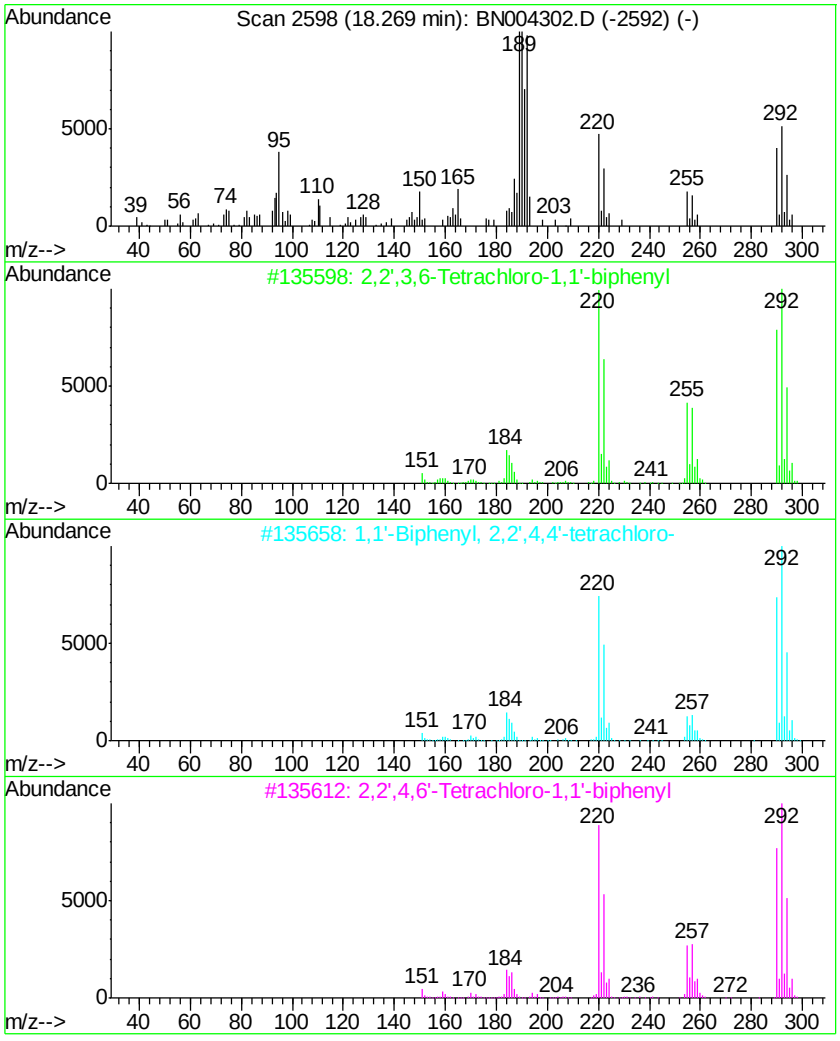
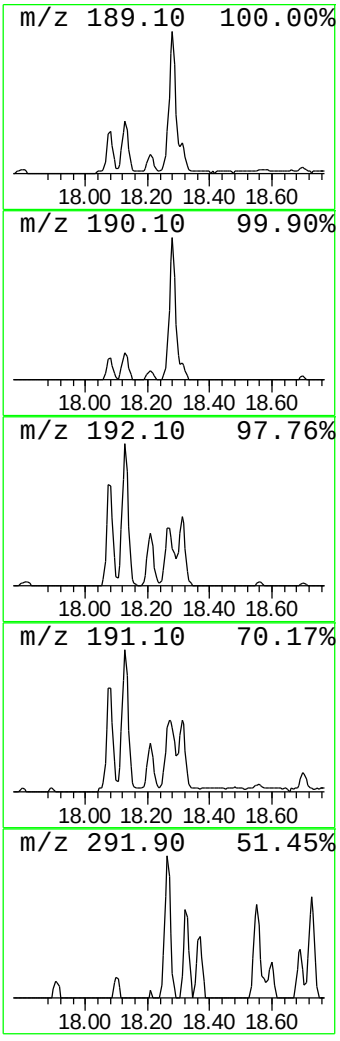
Peak Number 7 2,2',3,6-Tetrachloro-1,1'-b... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	8.87 ng/ul	221167	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	95
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	94
3	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	94
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	93
5	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	93





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Sample : J6428-04
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ALS Vial : 38 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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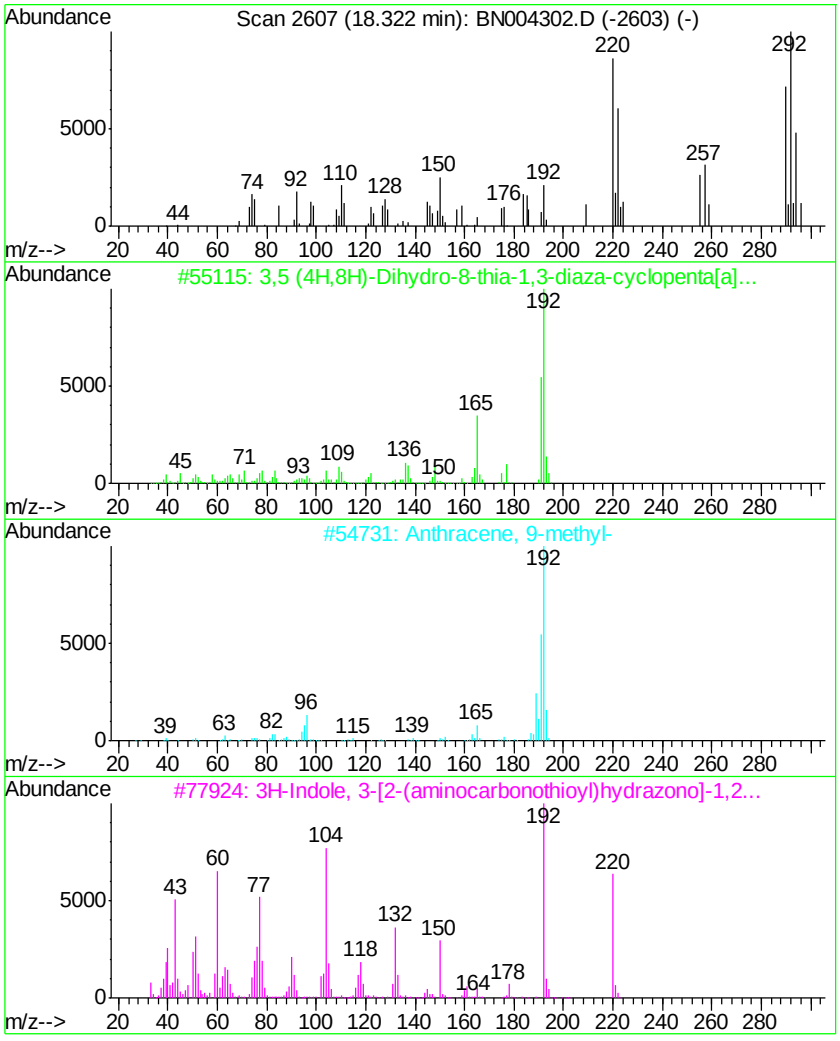
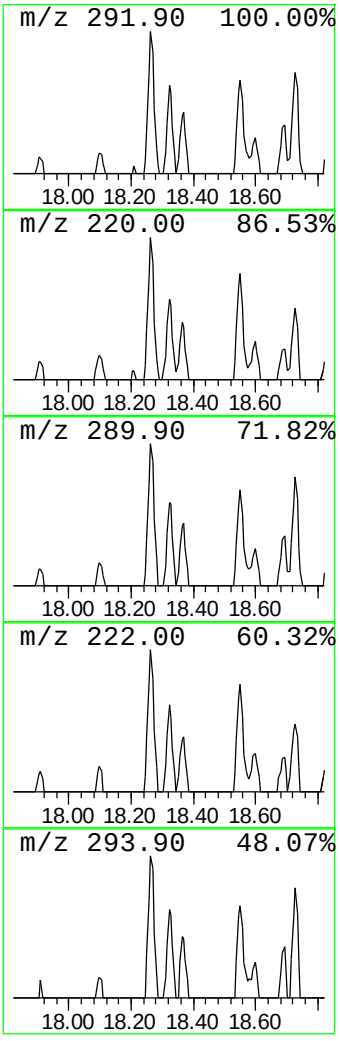
Peak Number 8 unknown-02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	3.50 ng/ul	87428	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5 (4H,8H)-Dihydro-8-thia-1,3-d...	192	C9H8N2OS	014346-25-9	38
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	30
3	3H-Indole, 3-[2-(aminocarbonothi...	220	C9H8N4OS	1000337-99-0	30
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	30
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	30





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ALS Vial : 38 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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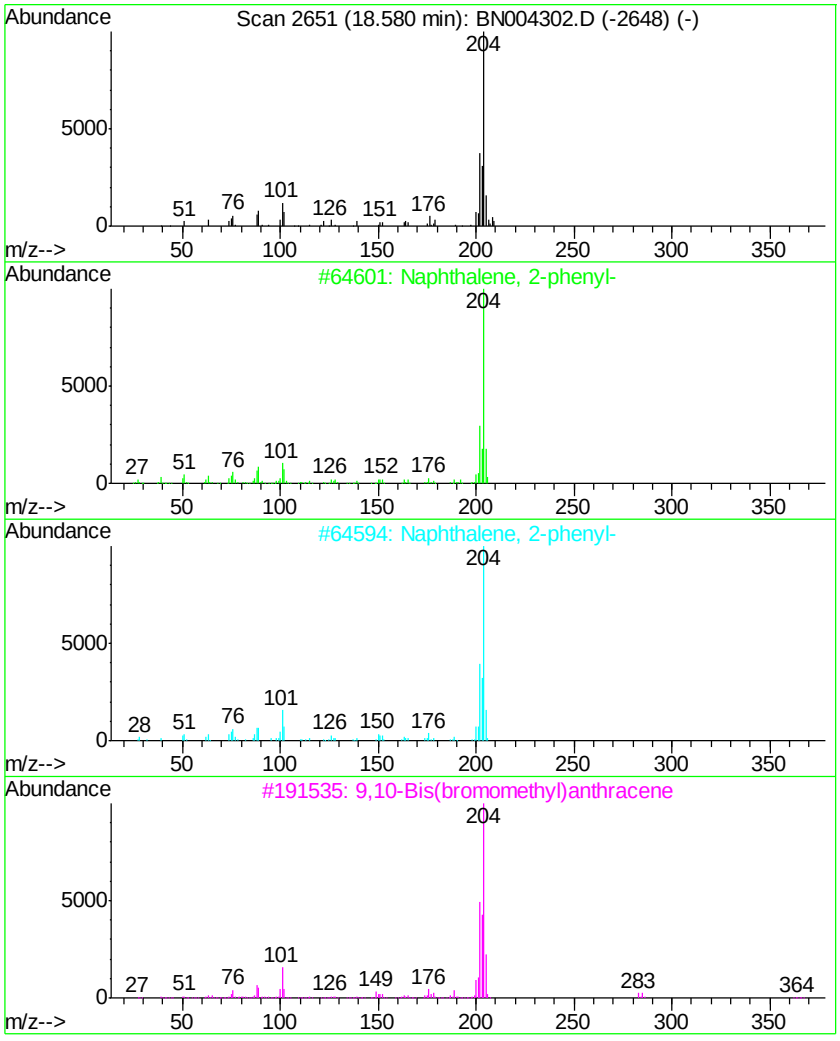
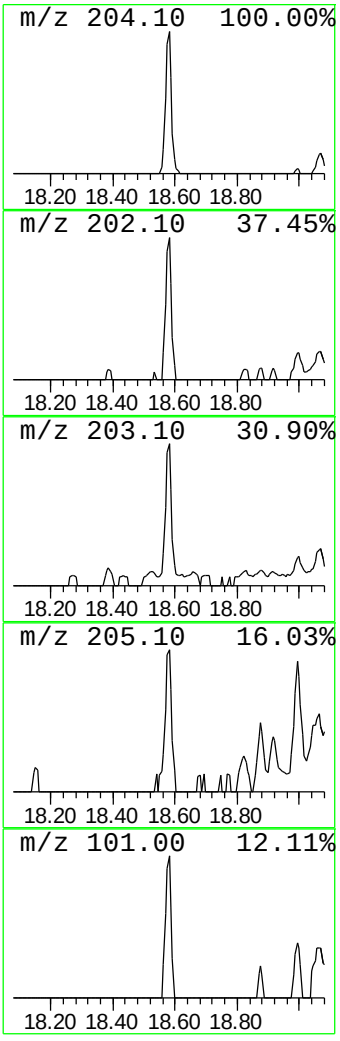
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	2.84 ng/ul	70871	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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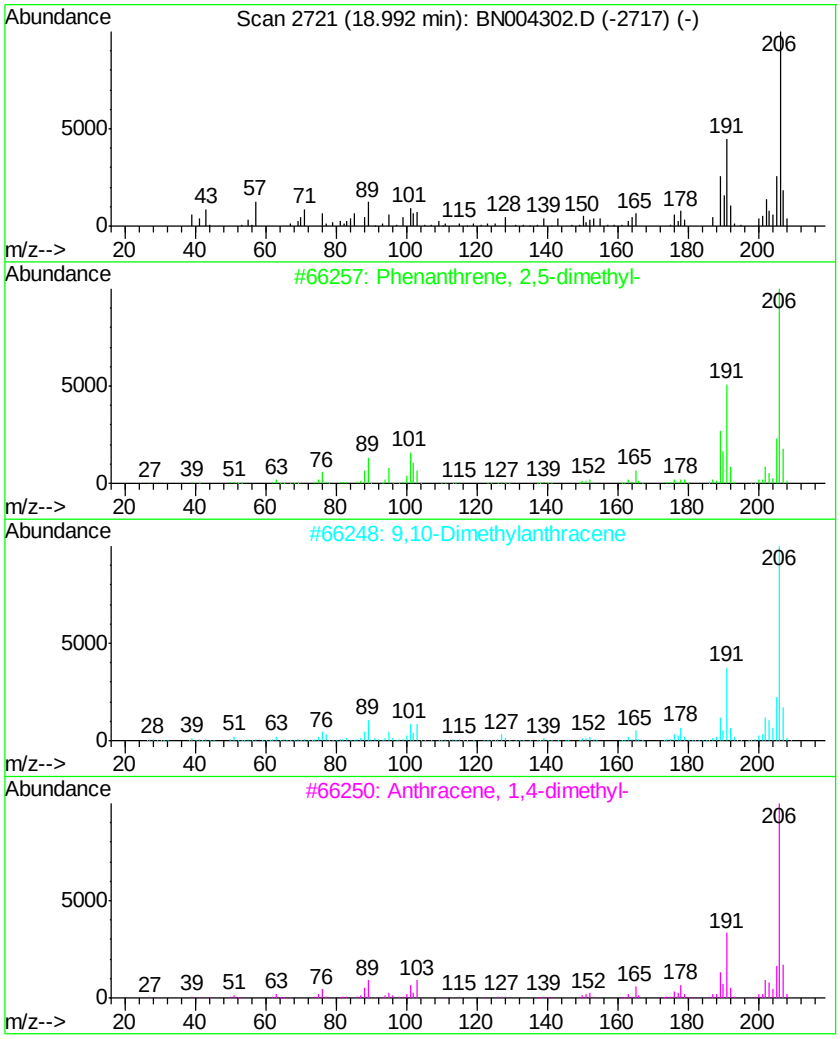
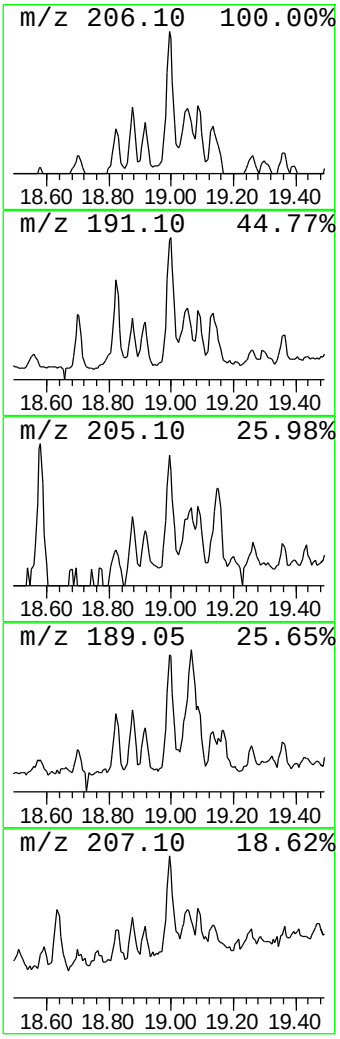
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	2.29 ng/ul	57206	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87





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Quant Title : SVOA CALIBRATION

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

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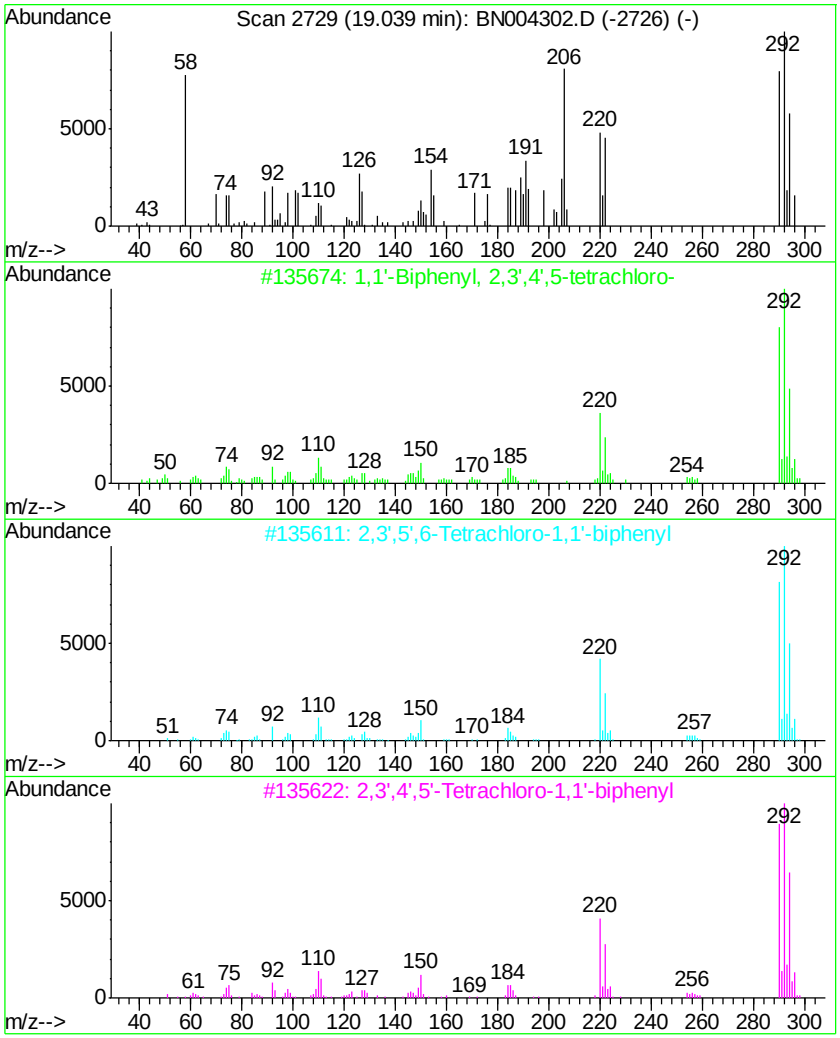
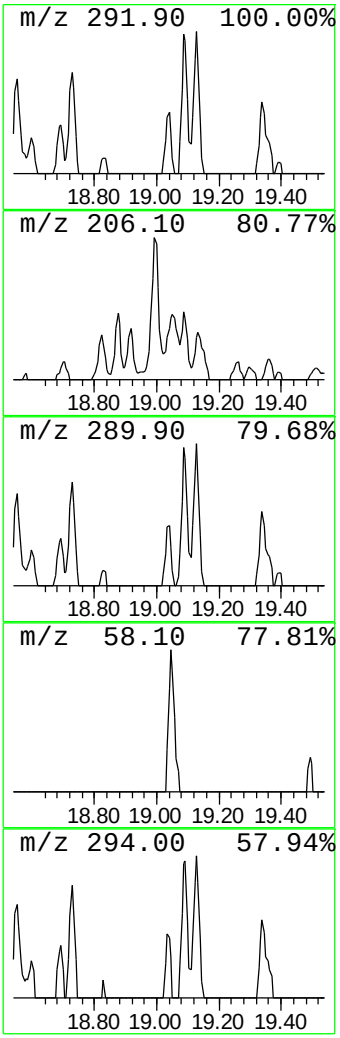
Peak Number 12 1,1'-Biphenyl, 2,3',4',5-te... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	2.29 ng/ul	57207	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	91
2	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	91
3	2,3',4',5'-Tetrachloro-1,1'-biph...	290	C12H6Cl4	070362-48-0	91
4	2,3,3',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070424-67-8	91
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	91





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ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

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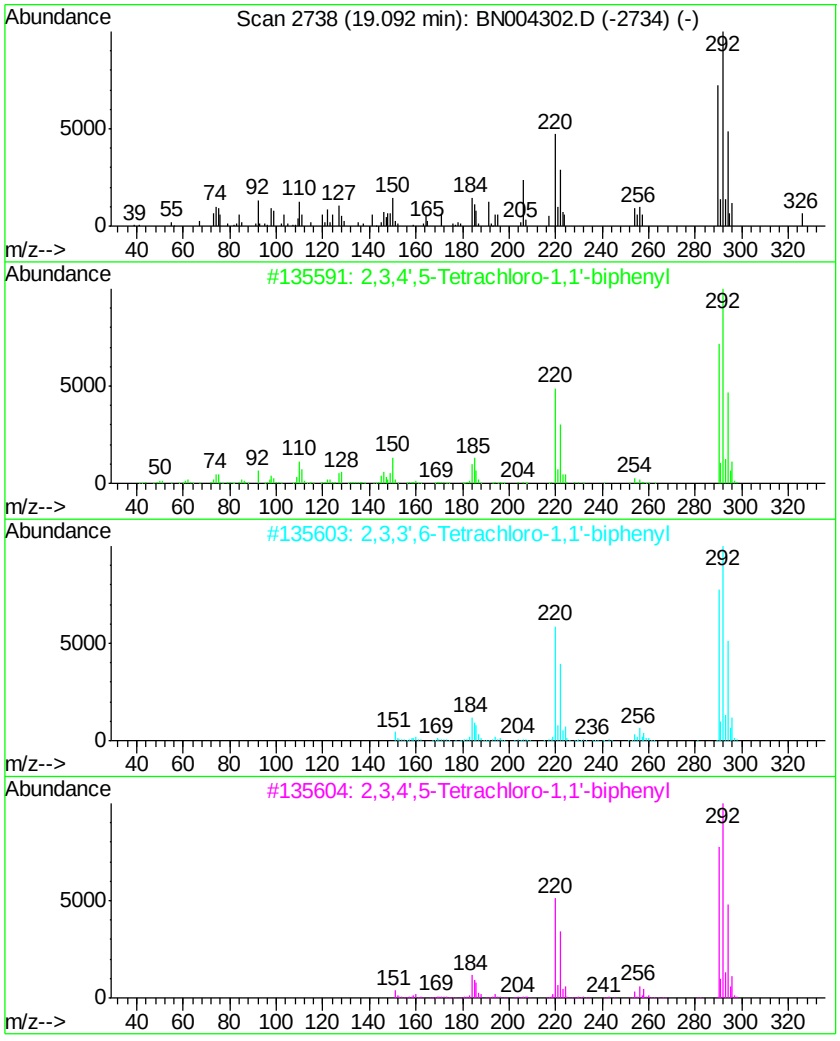
Quant Title : SVOA CALIBRATION

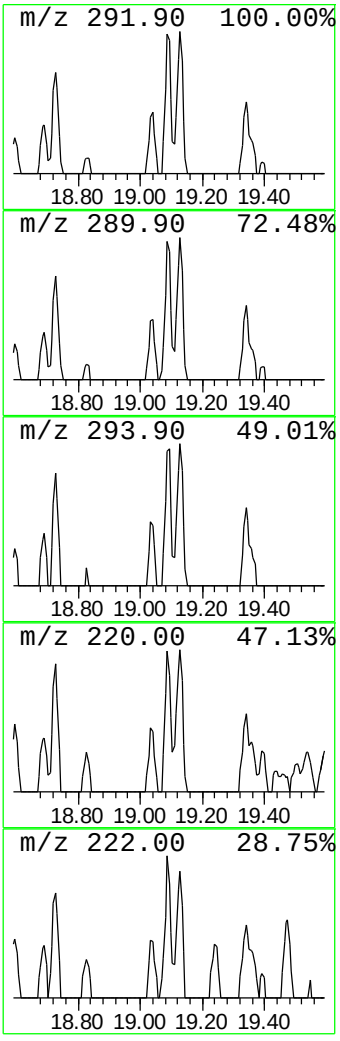
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 2,3,4',5-Tetrachloro-1,1'-b... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	2.77 ng/ul	69205	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	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	074472-34-7	99
4	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99
5	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99





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Sample : J6428-04
Misc : GCMS Confirmation
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Instrument : BNA_N
ClientSampleId : A41T8

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Quant Title : SVOA CALIBRATION

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

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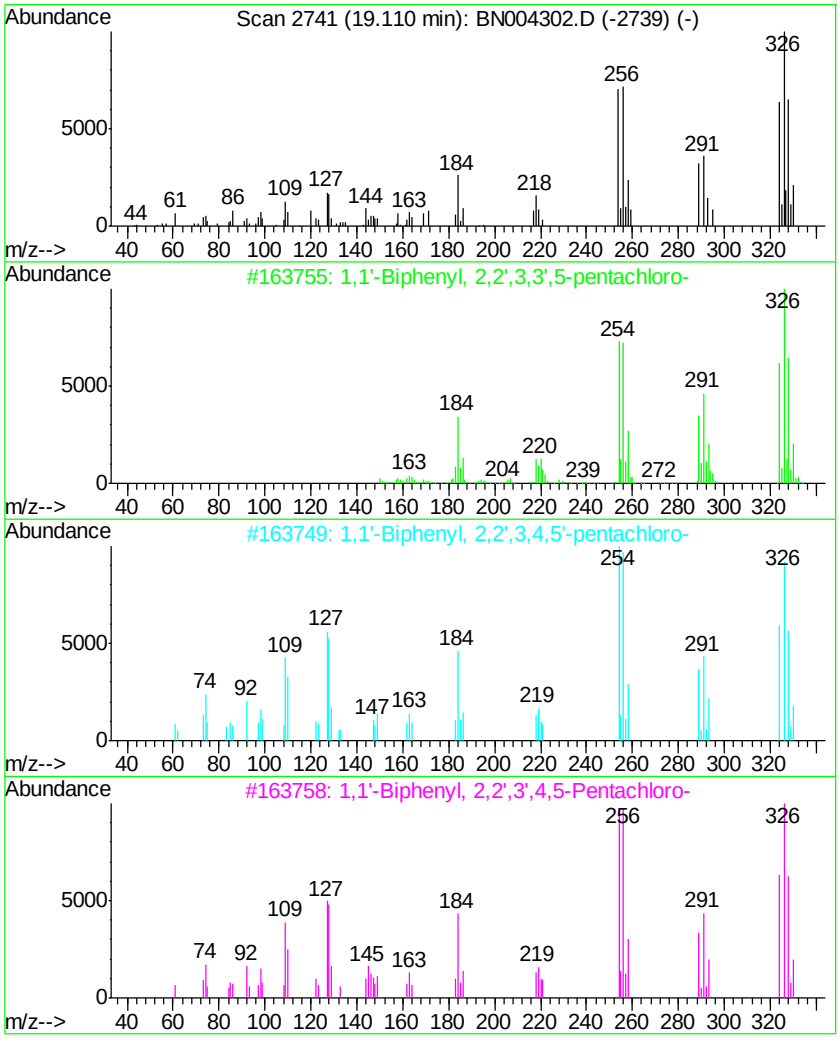
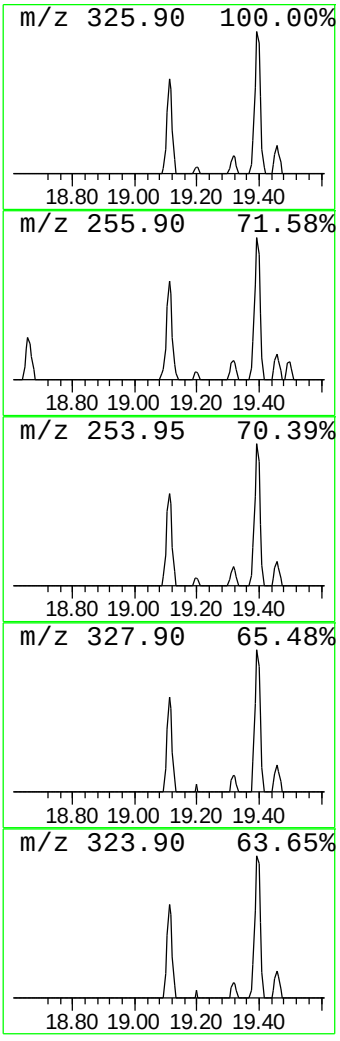
Peak Number 14 1,1'-Biphenyl, 2,2',3,3',5-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	6.78 ng/ul	169164	Phenanthrene-d10	17.21

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, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
4	2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	99
5	3,3',4,4,',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99





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Quant Title : SVOA CALIBRATION

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

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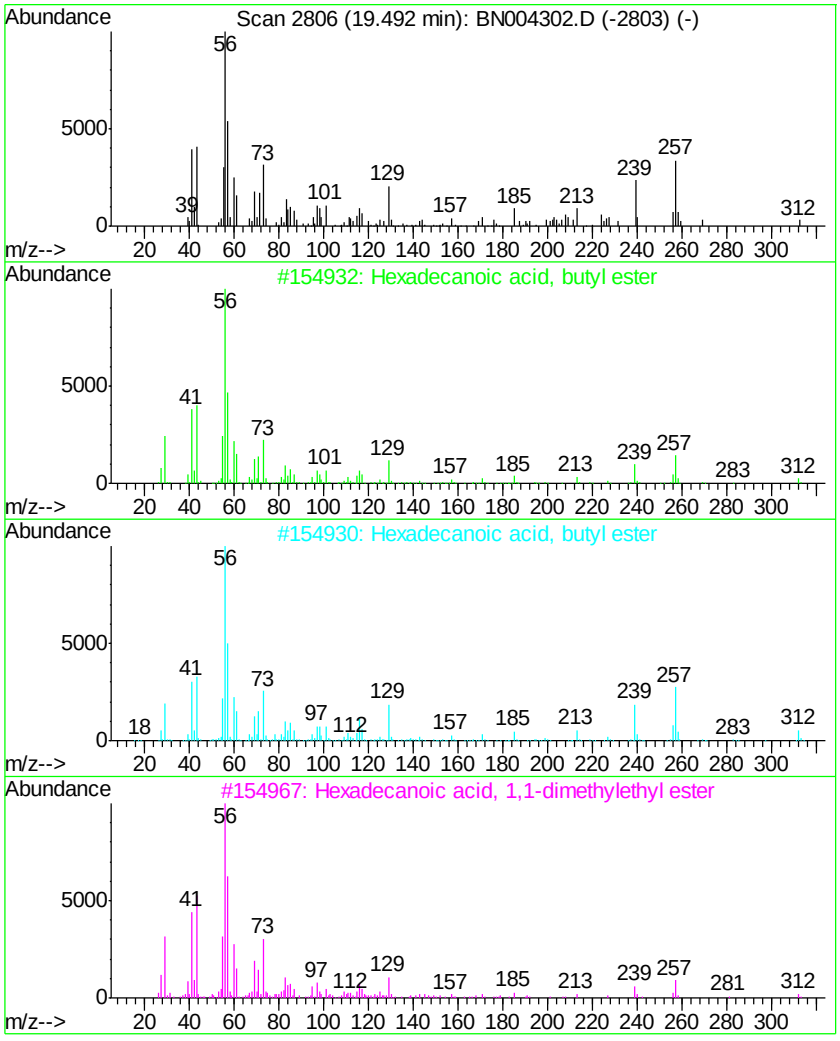
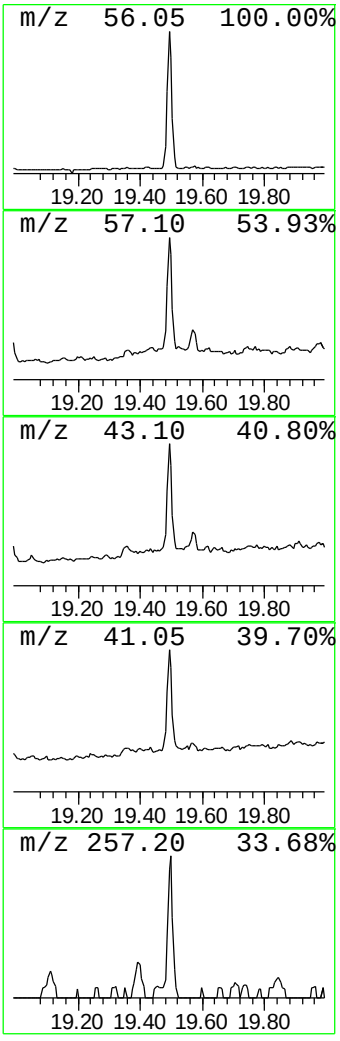
Peak Number 15 Hexadecanoic acid, butyl ester Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	2.32 ng/ul	143525	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	96
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	94
3	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	93
4	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	89
5	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	30





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Quant Title : SVOA CALIBRATION

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

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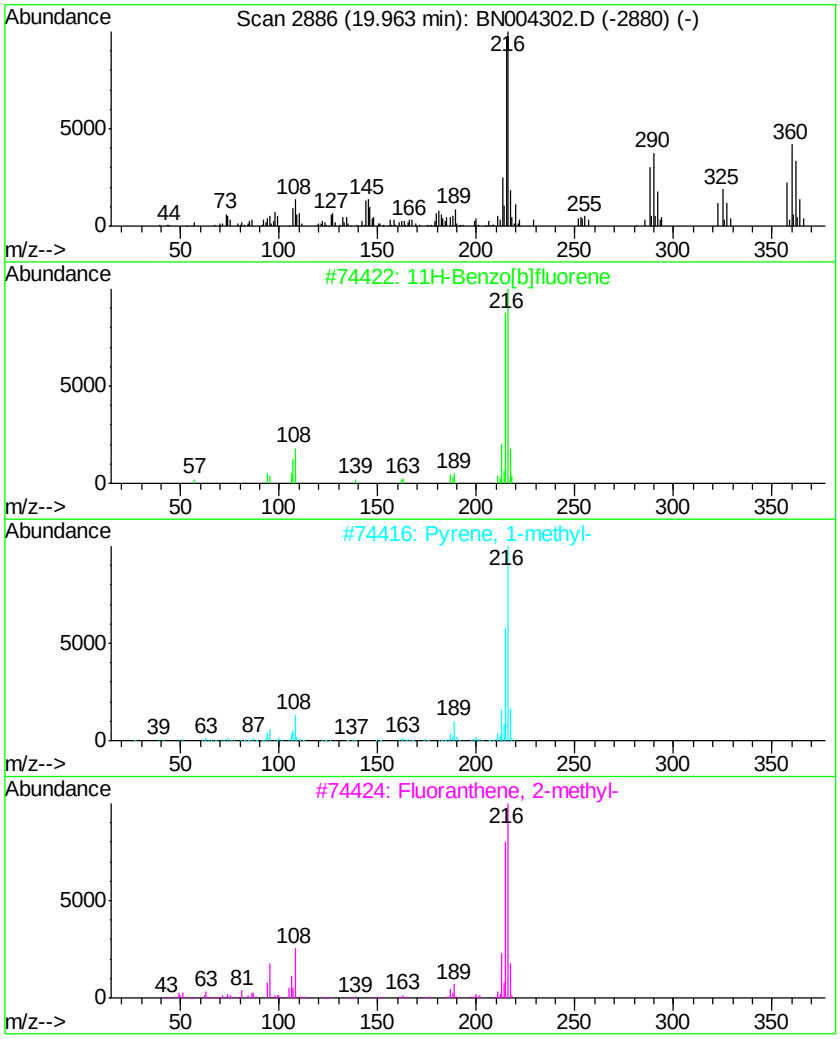
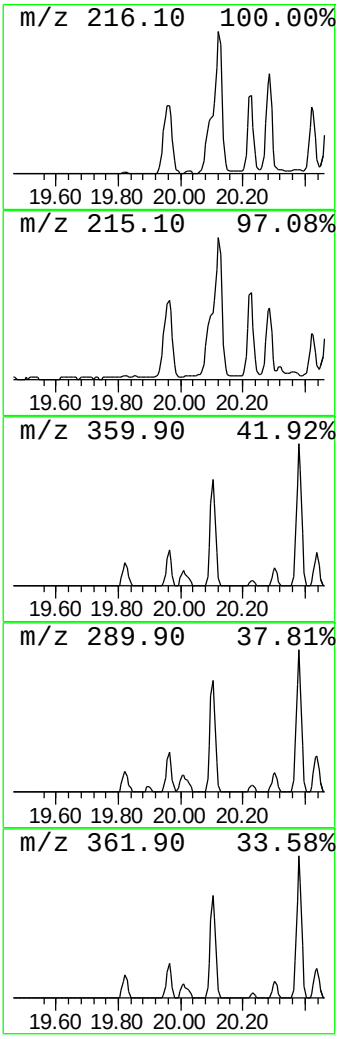
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	2.40 ng/ul	148584	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4	: 4-((2-Methylphenyl)diazenyl)-1...	216	C10H12N6	1000332-58-9	60
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	45





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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 17 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	4.84 ng/ul	299286	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
4	1,1'-Biphenyl, 2,2',3,5,5',6-hex...	358	C12H4Cl6	052663-63-5	99
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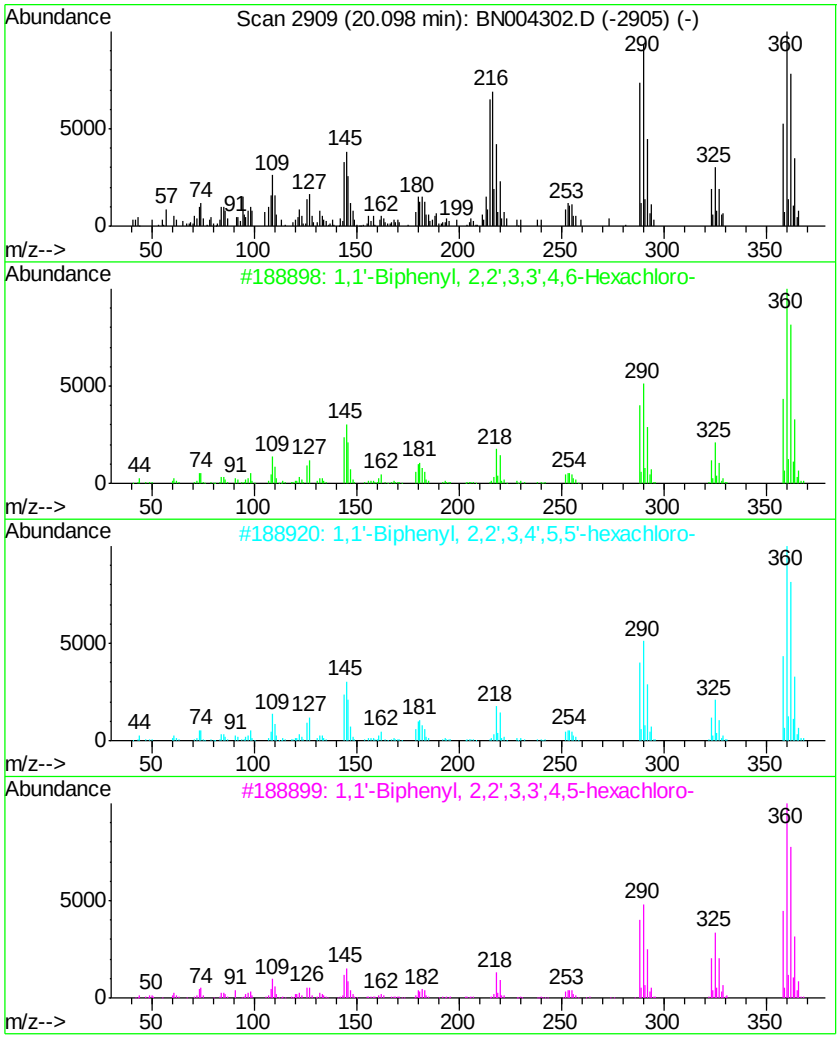

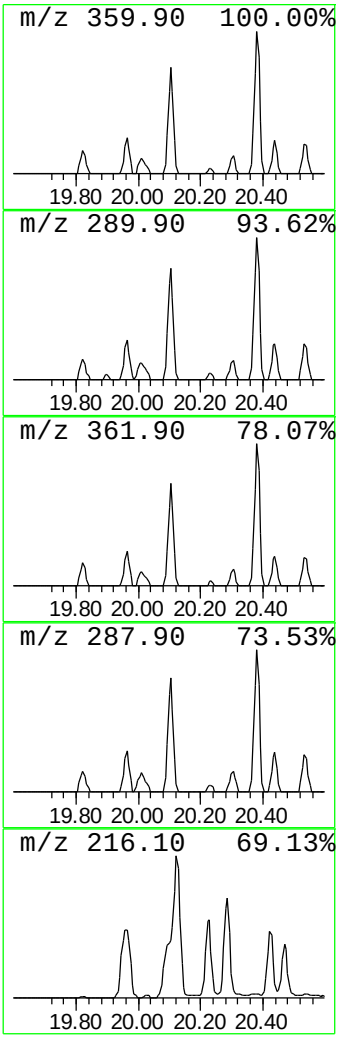

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Quant Title : SVOA CALIBRATION

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

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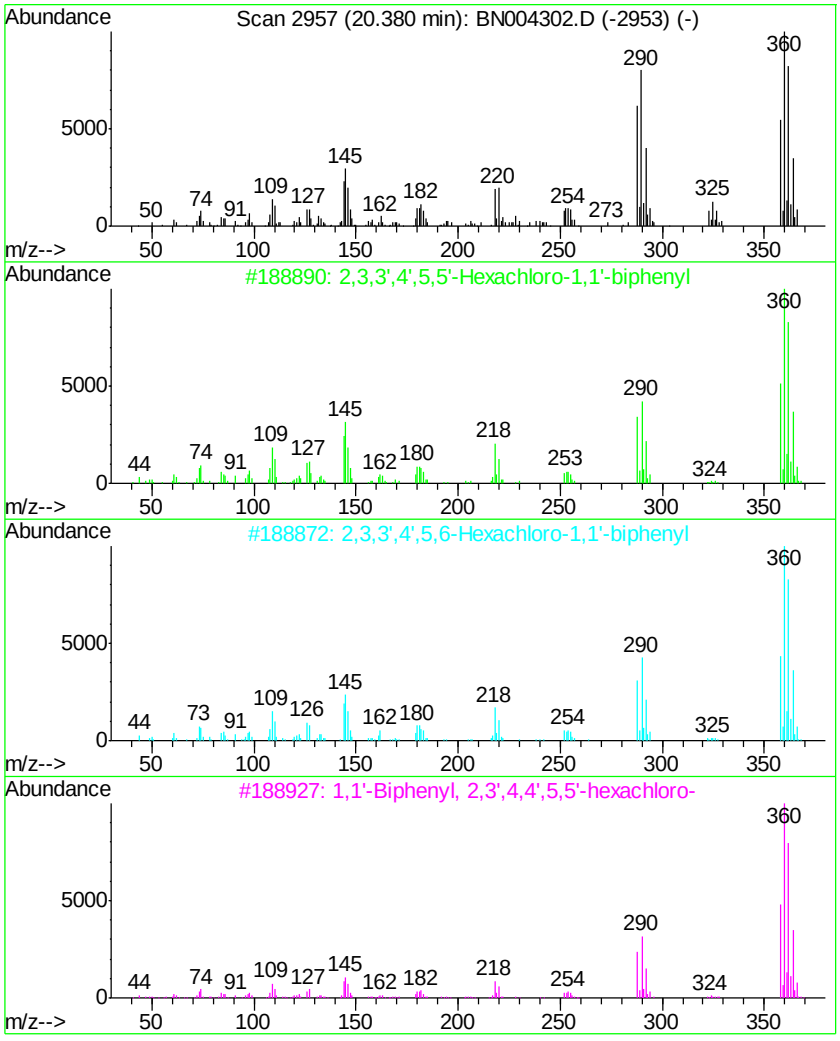
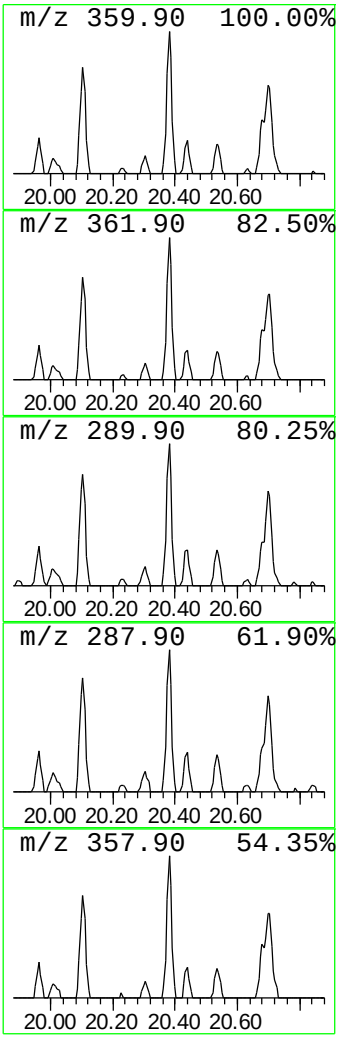
Peak Number 18 2,3,3',4',5,5'-Hexachloro-1... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	3.62 ng/ul	223963	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99
2	2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99
3	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
5	2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

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

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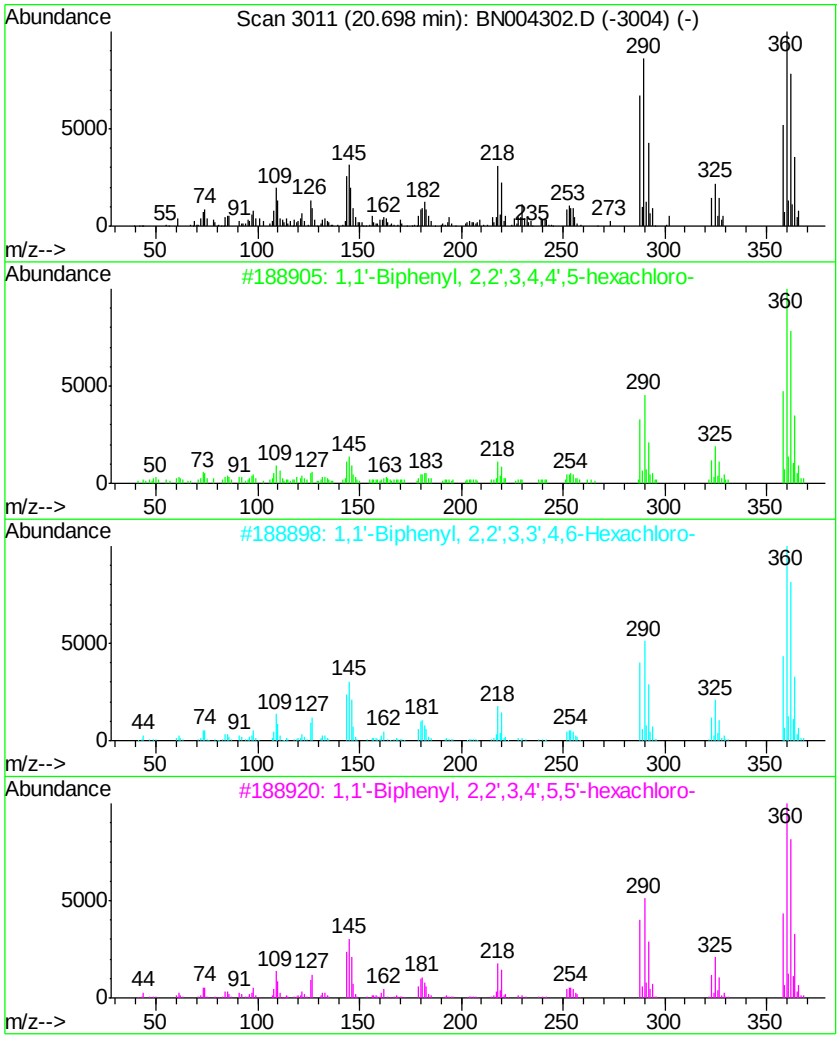
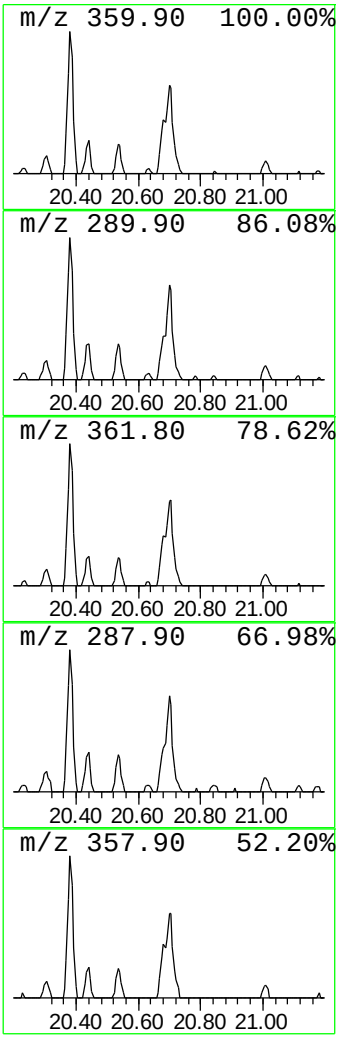
Peak Number 19 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.70	4.52 ng/ul	279932	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
2	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
3	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
4	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
5	2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99





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Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

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

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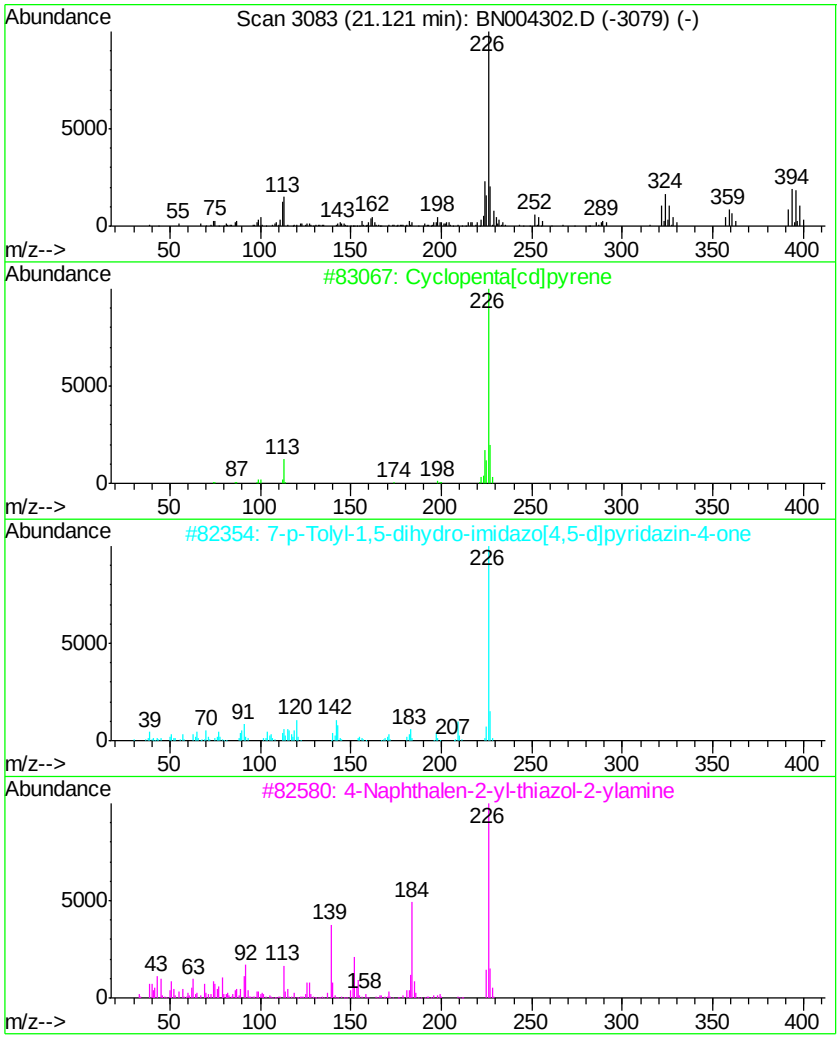
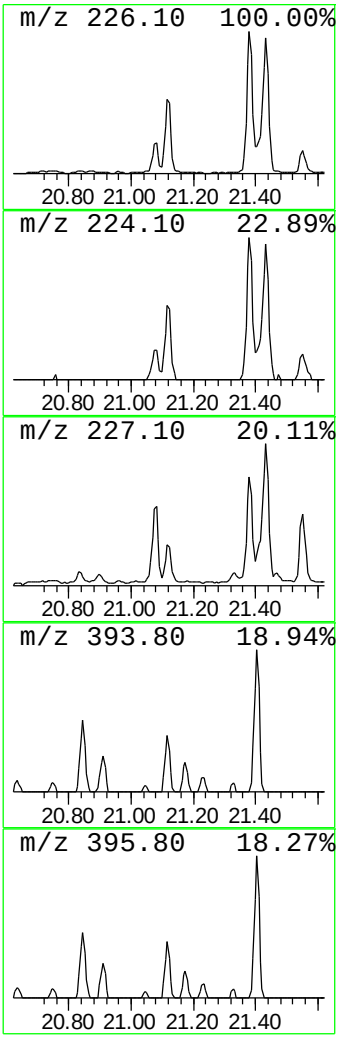
Peak Number 20 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	2.33 ng/ul	144314	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	30
2	7-p-Tolyl-1,5-dihydro-imidazo[4,...	226	C12H10N4O	1000317-75-5	27
3	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	22
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	22
5	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	16





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Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

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

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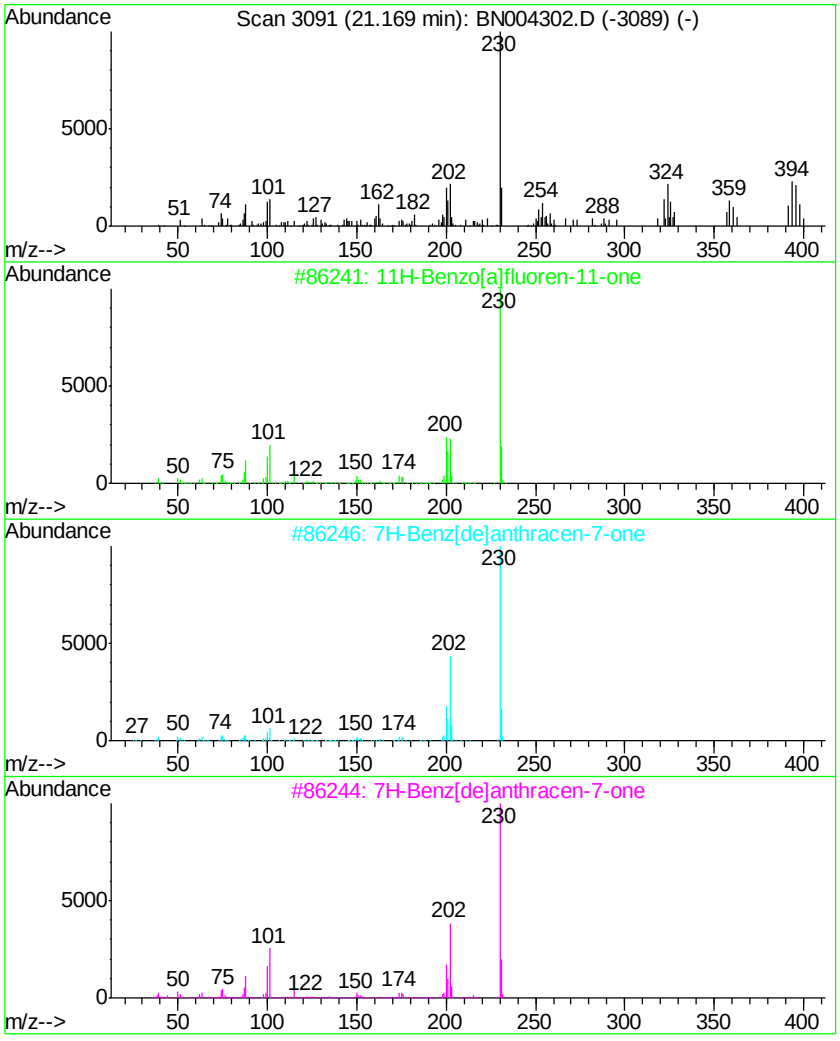
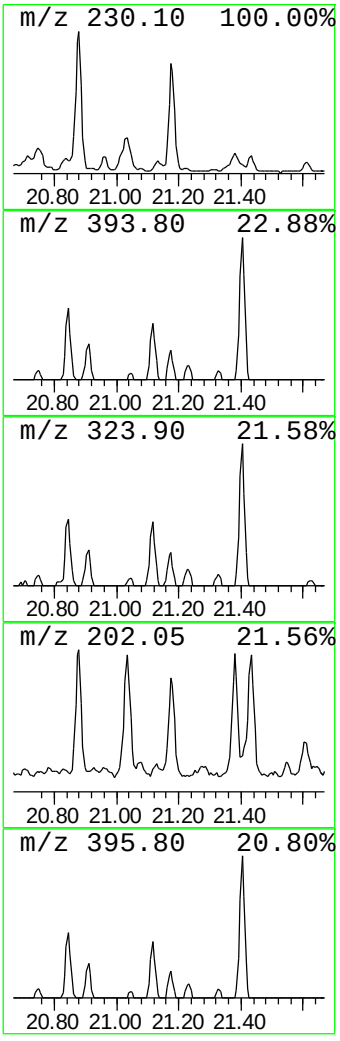
Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.17	2.03 ng/ul	125369	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	62
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

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

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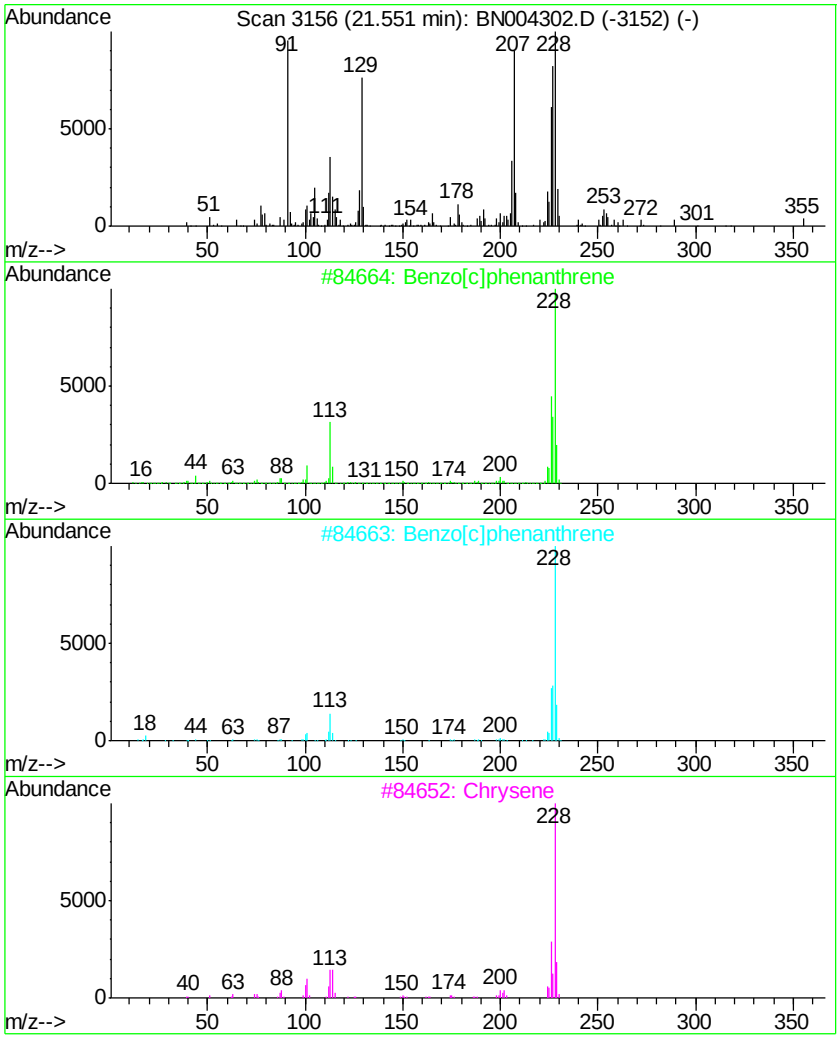
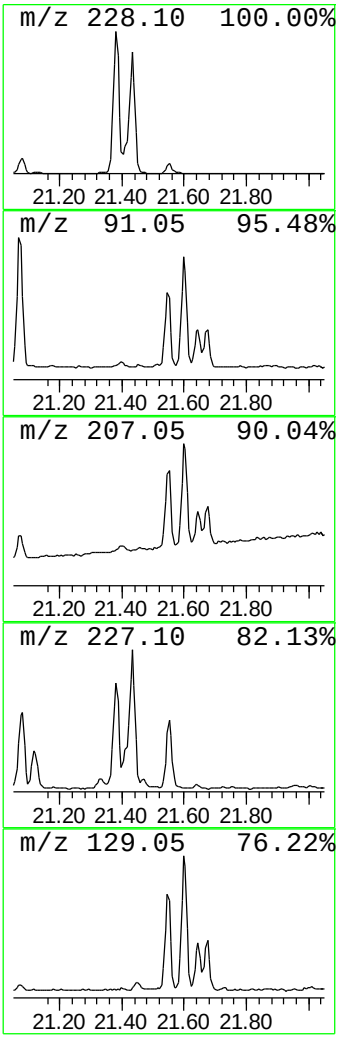
Peak Number 22 unknown-04 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	2.05 ng/ul	127137	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	35
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	35
3	Chrysene	228	C18H12	000218-01-9	25
4	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	25
5	Triphenylene	228	C18H12	000217-59-4	25





Library Search Compound Report

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Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

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

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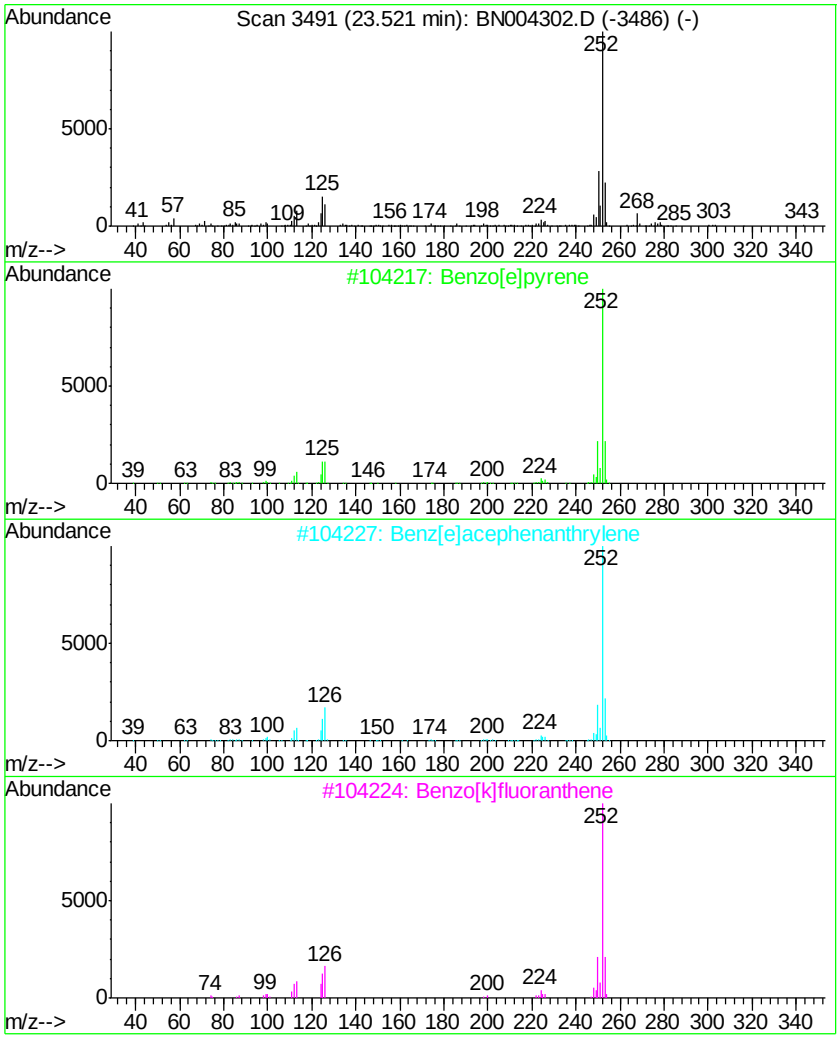
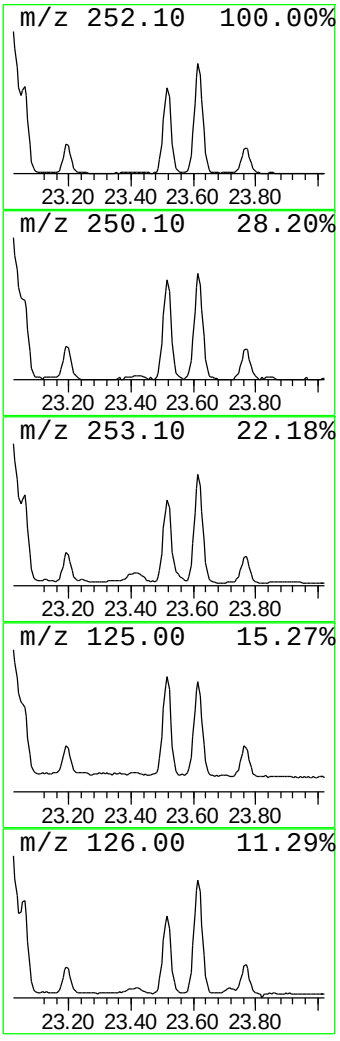
Peak Number 23 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.52	13.55 ng/ul	300728	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





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Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

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

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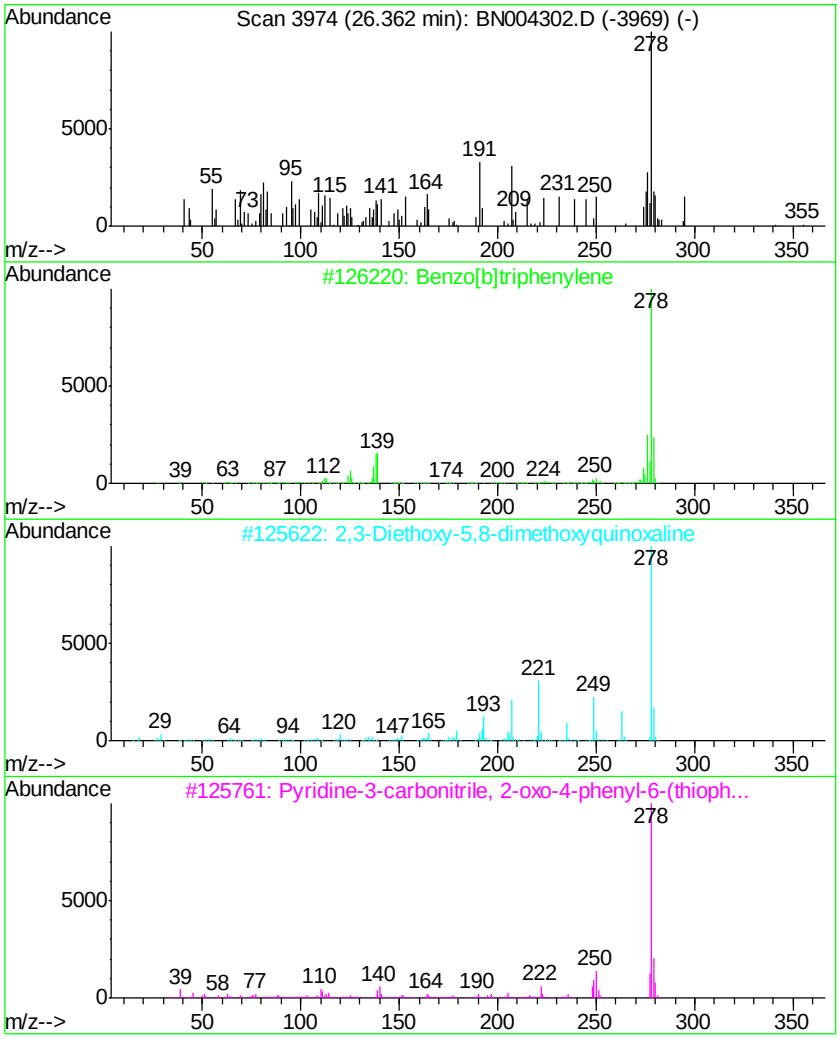
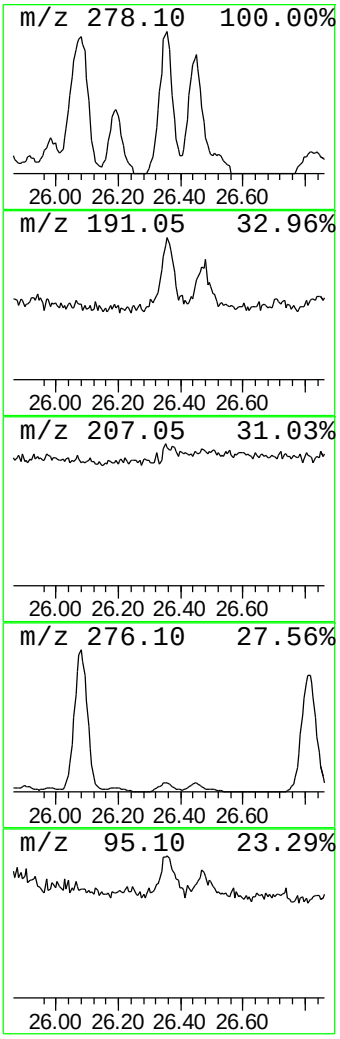
Peak Number 24 Benzo[b]triphenylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.36	3.02 ng/ul	66966	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	60
2	2,3-Diethoxy-5,8-dimethoxyquinox...	278	C14H18N2O4	002427-85-2	52
3	Pyridine-3-carbonitrile, 2-oxo-4...	278	C16H10N2OS	1000304-72-3	50
4	Pentacene	278	C22H14	000135-48-8	49
5	[1,2,4]Oxadiazole-5-carboxylic a...	278	C13H14N2O5	1000316-89-9	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004302.D
Acq On : 29 Dec 2018 15:35
Operator : JU/SJ
Sample : J6428-04
Misc : GCMS Confirmation
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.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: Str...	3.19	8.4	ng/ul	70580	1	7.82	167041	20.0
Tetrachloroethylene	4.53	5.1	ng/ul	42910	1	7.82	167041	20.0
unknown-01	16.95	2.4	ng/ul	60271	4	17.21	498896	20.0
1,1'-Biphenyl, 2'...	17.80	4.6	ng/ul	115223	4	17.21	498896	20.0
Anthracene, 2-met...	18.07	4.7	ng/ul	116655	4	17.21	498896	20.0
Phenanthrene, 2-m...	18.13	5.5	ng/ul	137007	4	17.21	498896	20.0
2,2',3,6-Tetrachl...	18.27	8.9	ng/ul	221167	4	17.21	498896	20.0
unknown-02	18.32	3.5	ng/ul	87428	4	17.21	498896	20.0
Naphthalene, 2-ph...	18.58	2.8	ng/ul	70871	4	17.21	498896	20.0
Phenanthrene, 2,5...	18.99	2.3	ng/ul	57206	4	17.21	498896	20.0
1,1'-Biphenyl, 2,...	19.04	2.3	ng/ul	57207	4	17.21	498896	20.0
2,3,4',5-Tetrachl...	19.09	2.8	ng/ul	69205	4	17.21	498896	20.0
1,1'-Biphenyl, 2,...	19.11	6.8	ng/ul	169164	4	17.21	498896	20.0
Hexadecanoic acid...	19.49	2.3	ng/ul	143525	5	21.40	1237790	20.0
11H-Benzo[b]fluorene	19.96	2.4	ng/ul	148584	5	21.40	1237790	20.0
1,1'-Biphenyl, 2,...	20.10	4.8	ng/ul	299286	5	21.40	1237790	20.0
2,3,3',4',5,5'-He...	20.38	3.6	ng/ul	223963	5	21.40	1237790	20.0
1,1'-Biphenyl, 2,...	20.70	4.5	ng/ul	279932	5	21.40	1237790	20.0
unknown-03	21.12	2.3	ng/ul	144314	5	21.40	1237790	20.0
11H-Benzo[a]fluor...	21.17	2.0	ng/ul	125369	5	21.40	1237790	20.0
unknown-04	21.55	2.0	ng/ul	127137	5	21.40	1237790	20.0
Benzo[e]pyrene	23.52	13.6	ng/ul	300728	6	23.72	443871	20.0
Benzo[b]triphenylene	26.36	3.0	ng/ul	66966	6	23.72	443871	20.0