LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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	45	rVB	61102	73517	5.03%	0.431%
2	5.322	392	397	402	rBB	20603	26852	1.84%	0.157%
3	5.805	474	479	484	rBB	12661	17919	1.23%	0.105%
4	7.816	816	821	828	rBB	108197	164764	11.27%	0.966%
5	10.616	1290	1297	1302	rBV	169446	280532	19.18%	1.644%
6	12.563	1623	1628	1644	rBV3	5902	16036	1.10%	0.094%
7	14.181	1899	1903	1910	rBB	16962	24091	1.65%	0.141%
8	14.457	1943	1950	1957	rBV2	336434	488834	33.43%	2.865%
9	14.522	1957	1961	1966	rVB	19551	27395	1.87%	0.161%
10	14.857	2011	2018	2024	rBB2	15340	24006	1.64%	0.141%
11	15.510	2123	2129	2136	rBB	24167	37396	2.56%	0.219%
12	15.945	2199	2203	2209	rBV	11781	20782	1.42%	0.122%
13	16.540	2301	2304	2310	rVB2	17474	23066	1.58%	0.135%
14	16.698	2327	2331	2334	rBV	33498	40134	2.74%	0.235%
15	16.798	2340	2348	2355	rVB	87228	131084	8.96%	0.768%
16	16.863	2355	2359	2365	rVB	16462	24410	1.67%	0.143%
17	16.945	2365	2373	2377	rBV2	77249	111863	7.65%	0.656%
18	17.028	2381	2387	2389	rVV	20011	34692	2.37%	0.203%
19	17.051	2389	2391	2398	rVB2	27551	39490	2.70%	0.231%
20	17.204	2411	2417	2421	rBV2	338524	521971	35.70%	3.060%
21	17.251	2421	2425	2431	rVB	529617	715566	48.93%	4.194%
22	17.339	2435	2440	2444	rBV	122312	163280	11.17%	0.957%
23	17.622	2483	2488	2493	rBV2	14779	29408	2.01%	0.172%
24	17.716	2500	2504	2509	rBV2	15477	22198	1.52%	0.130%
25	17.798	2511	2518	2523	rVV3	48890	91686	6.27%	0.537%
26	17.916	2534	2538	2544	rVB3	10388	18160	1.24%	0.106%
27	18.075	2556	2565	2570	rBV	69989	125332	8.57%	0.735%
28	18.128	2570	2574	2582	rVV2	89527	138974	9.50%	0.815%
29	18.210	2583	2588	2593	rVV	32667	50128	3.43%	0.294%
30	18.275	2593	2599	2603	rVV3	106266	216400	14.80%	1.268%
31	18.316	2603	2606	2611	rVV2	55968	81028	5.54%	0.475%
32	18.363	2611	2614	2622	rVB4	15572	27324	1.87%	0.160%
33	18.545	2642	2645	2647	rBV	27799	32525	2.22%	0.191%
34	18.575	2647	2650	2656	rVV	55584	86023	5.88%	0.504%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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	18.634	2656	2660	2667	rVB2	26427	45813	3.13%	0.269%
36	18.728	2673	2676	2679	rVB2	19062	20681	1.41%	0.121%
37	18.822	2689	2692	2697	rVB3	17651	21293	1.46%	0.125%
38	18.875	2698	2701	2705	rVB	14866	16788	1.15%	0.098%
39	18.992	2717	2721	2725	rBV	37923	55666	3.81%	0.326%
40	19.045	2725	2730	2732	rBV4	19190	31799	2.17%	0.186%
41	19.086	2735	2737	2739	rBV	21720	19644	1.34%	0.115%
42	19.110	2739	2741	2745	rVV2	14380	24984	1.71%	0.146%
43	19.269	2761	2768	2774	rBV	1052770	1406233	96.17%	8.243%
44	19.316	2774	2776	2781	rBV3	15848	33085	2.26%	0.194%
45	19.392	2786	2789	2797	rVV3	60745	103552	7.08%	0.607%
46	19.457	2797	2800	2803	rVV3	15027	20498	1.40%	0.120%
47	19.498	2803	2807	2815	rVV3	50031	98615	6.74%	0.578%
48	19.598	2817	2824	2826	rVV2	142518	243820	16.67%	1.429%
49	19.633	2826	2830	2837	rVB	801268	1092912	74.74%	6.406%
50	19.698	2837	2841	2845	rBV	44236	62015	4.24%	0.364%
51	19.810	2856	2860	2863	rBV	49678	69438	4.75%	0.407%
52	19.845	2863	2866	2870	rVB	28654	33735	2.31%	0.198%
53	19.963	2879	2886	2889	rBV2	78495	153445	10.49%	0.899%
54	20.104	2902	2910	2917	rBV5	141084	374826	25.63%	2.197%
55	20.222	2927	2930	2934	rBV	48576	55212	3.78%	0.324%
56	20.281	2934	2940	2945	rBV2	76458	158862	10.86%	0.931%
57	20.381	2953	2957	2960	rVB	113270	137900	9.43%	0.808%
58	20.422	2960	2964	2969	rBV3	51979	105846	7.24%	0.620%
59	20.469	2969	2972	2975	rVV	54543	66132	4.52%	0.388%
60	20.510	2976	2979	2982	rVV	92215	107145	7.33%	0.628%
61	20.539	2982	2984	2986	rVV3	56052	67890	4.64%	0.398%
62	20.563	2986	2988	2992	rVB	102004	104108	7.12%	0.610%
63	20.680	3004	3008	3009	rBV3	48022	63004	4.31%	0.369%
64	20.698	3009	3011	3017	rVB3	79062	104503	7.15%	0.613%
65	20.810	3026	3030	3033	rBV	192872	226245	15.47%	1.326%
66	20.839	3033	3035	3038	rVB2	35523	35883	2.45%	0.210%
67	20.875	3038	3041	3044	rBV	74816	79944	5.47%	0.469%
68	21.039	3065	3069	3071	rBV2	78673	98983	6.77%	0.580%
69	21.075	3071	3075	3079	rVV2	397885	471906	32.27%	2.766%
70	21.116	3079	3082	3087	rVV	107259	137082	9.37%	0.804%
71	21.175	3089	3092	3098	rVB	90241	119763	8.19%	0.702%

LSC Area Percent Report

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Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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	21.275	3106	3109	3114	rVB2	134808	159873	10.93%	0.937%
73	21.392	3122	3129	3133	rBV2	664164	1462298	100.00%	8.572%
74	21.433	3133	3136	3145	rVB	431860	582170	39.81%	3.413%
75	21.510	3145	3149	3152	rBV2	65842	85515	5.85%	0.501%
76	21.545	3152	3155	3160	rVV2	306108	379262	25.94%	2.223%
77	21.598	3160	3164	3168	rVV	422053	487134	33.31%	2.855%
78	21.645	3168	3172	3174	rVV	138987	183358	12.54%	1.075%
79	21.675	3174	3177	3180	rVV	141779	168349	11.51%	0.987%
80	21.722	3181	3185	3189	rVB3	63175	97410	6.66%	0.571%
81	21.892	3212	3214	3218	rBV2	27965	33542	2.29%	0.197%
82	21.951	3220	3224	3228	rVV2	90128	138767	9.49%	0.813%
83	22.010	3230	3234	3241	rVB3	70571	114935	7.86%	0.674%
84	22.116	3250	3252	3256	rVB	54353	64185	4.39%	0.376%
85	22.345	3286	3291	3295	rVB	128050	169822	11.61%	0.995%
86	22.416	3300	3303	3308	rBV3	45841	68519	4.69%	0.402%
87	23.016	3399	3405	3410	rBV	334216	752618	51.47%	4.412%
88	23.192	3432	3435	3440	rVB	69006	103736	7.09%	0.608%
89	23.516	3485	3490	3498	rVB	226596	412139	28.18%	2.416%
90	23.616	3501	3507	3514	rVB	231099	460353	31.48%	2.698%
91	23.716	3518	3524	3529	rBV	253424	480564	32.86%	2.817%
92	26.074	3917	3925	3936	rVB	130814	383534	26.23%	2.248%
93	26.810	4042	4050	4063	rBV	82792	275582	18.85%	1.615%

Sum of corrected areas: 17059781

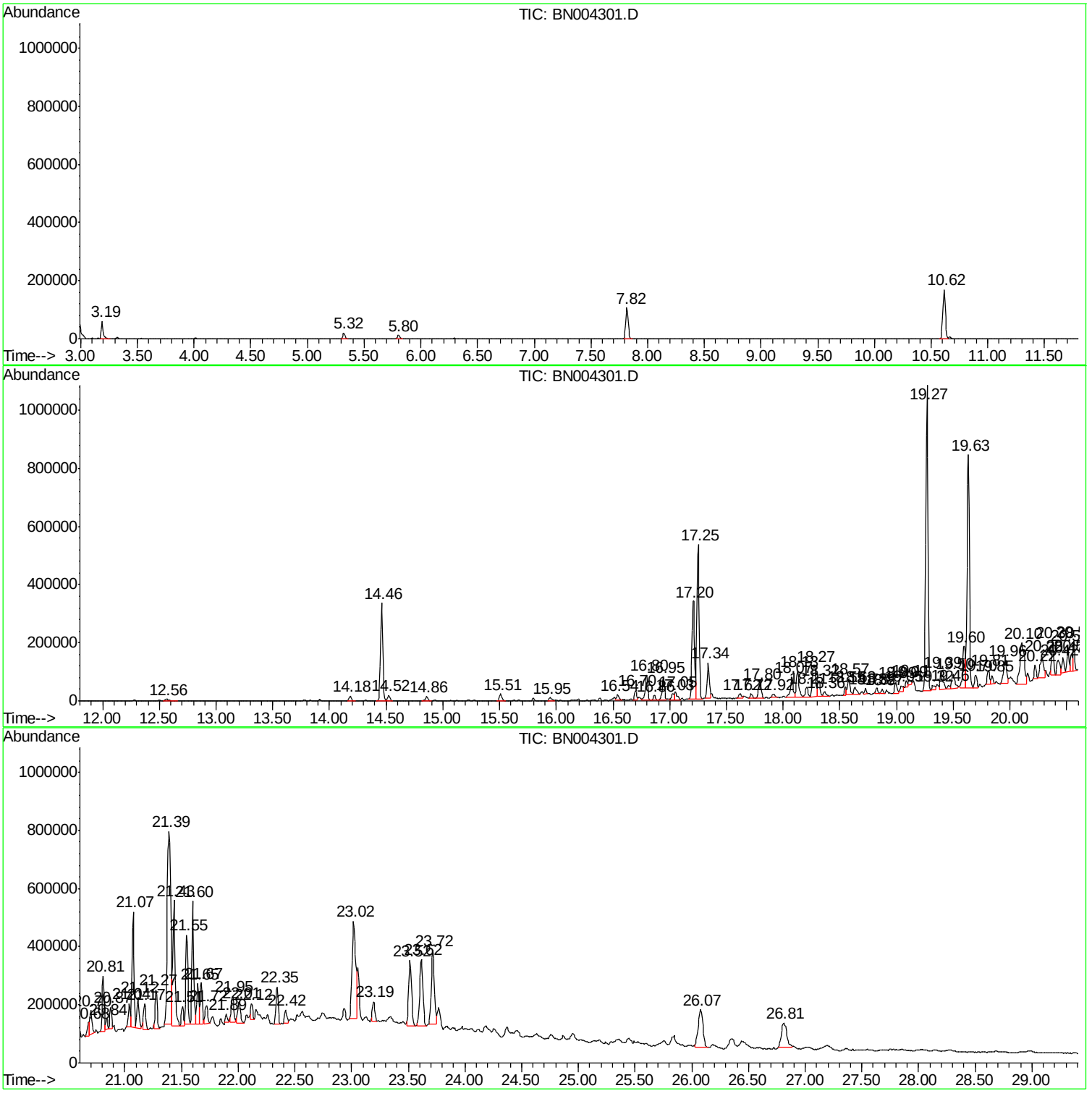
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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 : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
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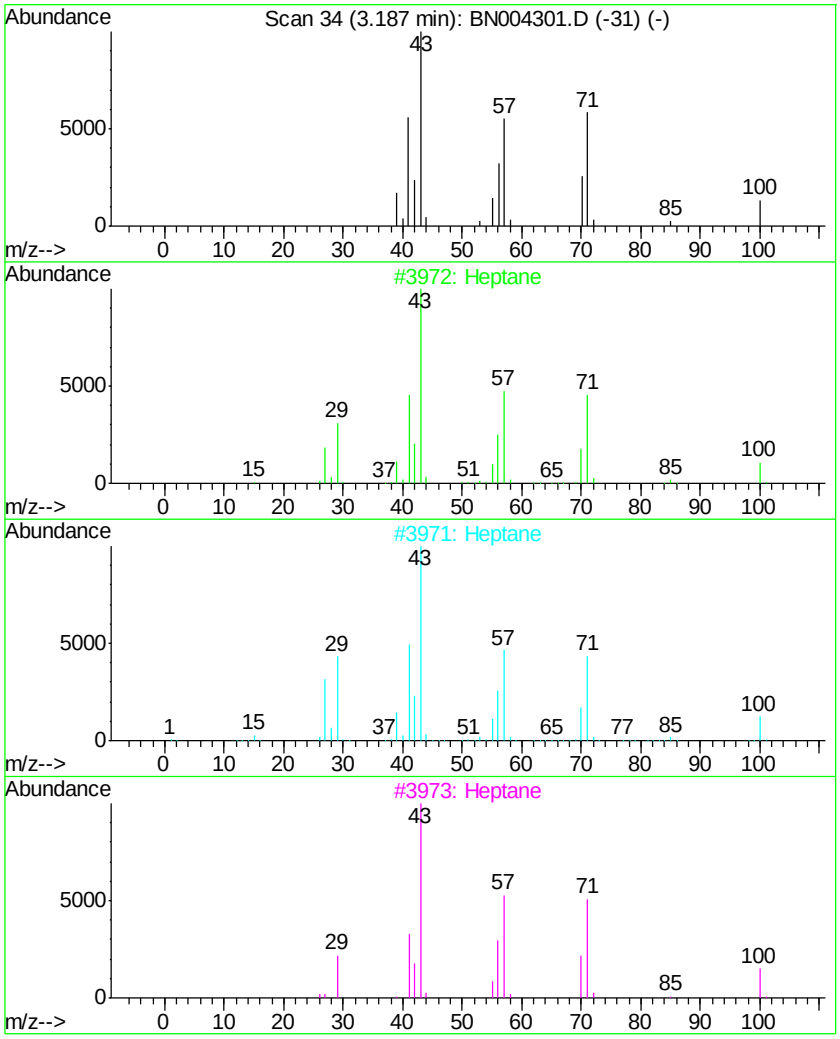
Quant Title : SVOA CALIBRATION

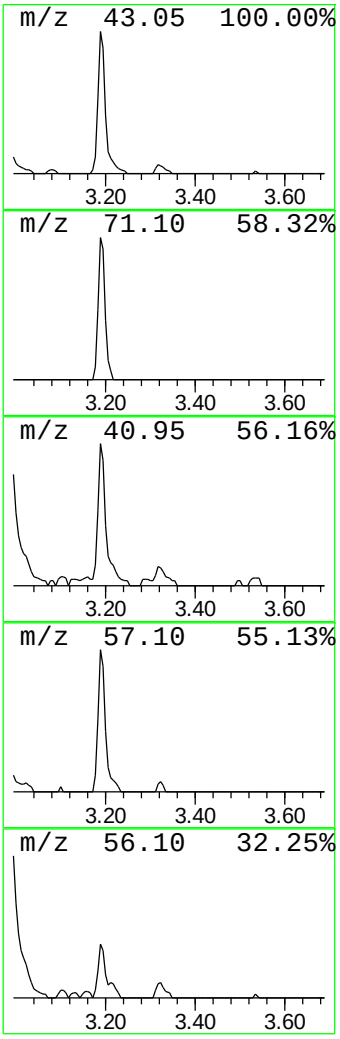
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	8.92 ng/ul	73517	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	95
2	Heptane	100	C7H16	000142-82-5	94
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	87
5	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

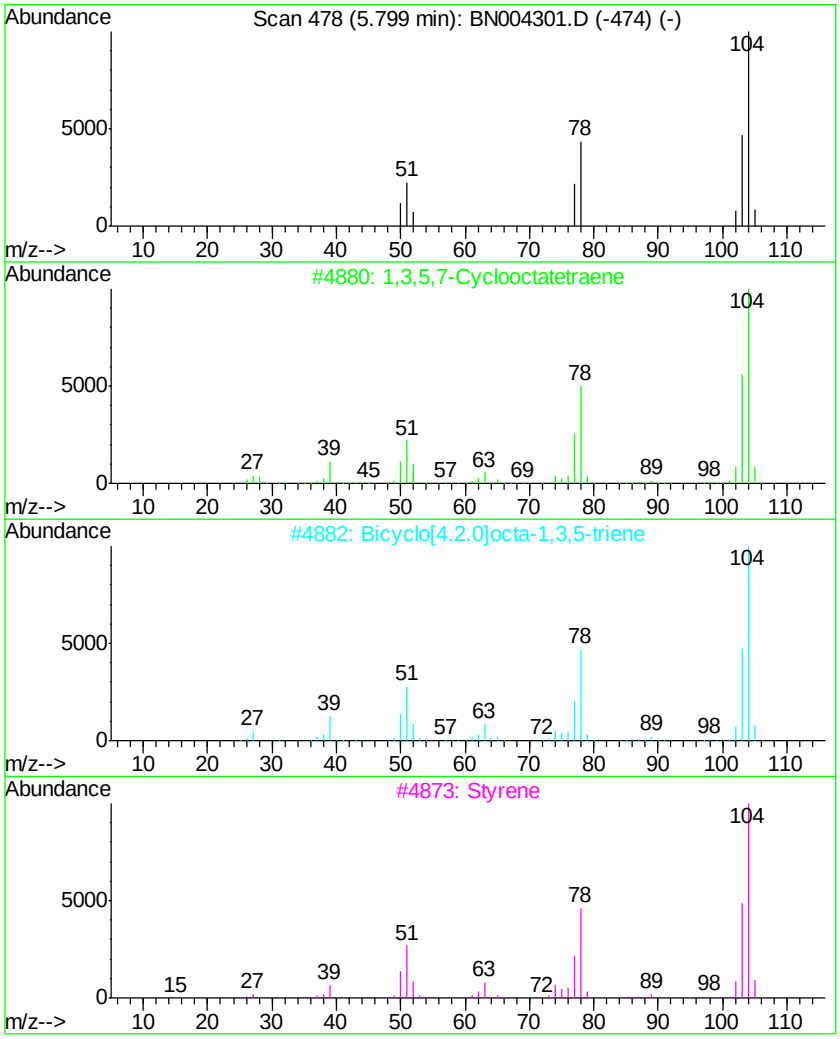
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

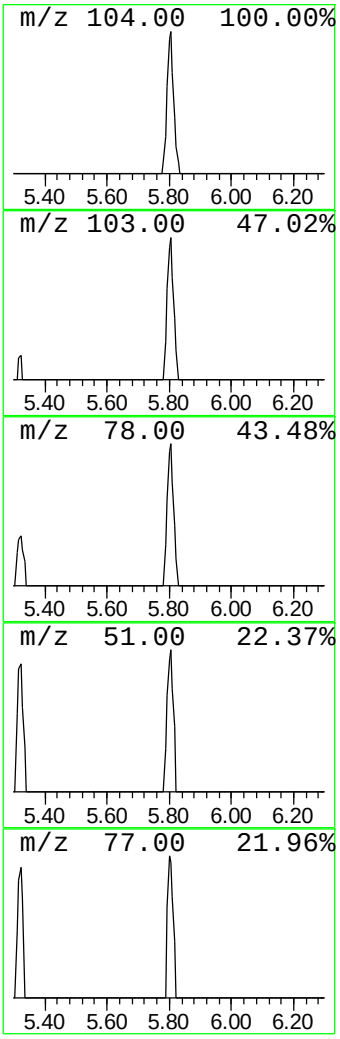
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1,3,5,7-Cyclooctatetraene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.80	2.18 ng/ul	17919	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	91
2	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	91
3	Styrene	104	C8H8	000100-42-5	91
4	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	91
5	Styrene	104	C8H8	000100-42-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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

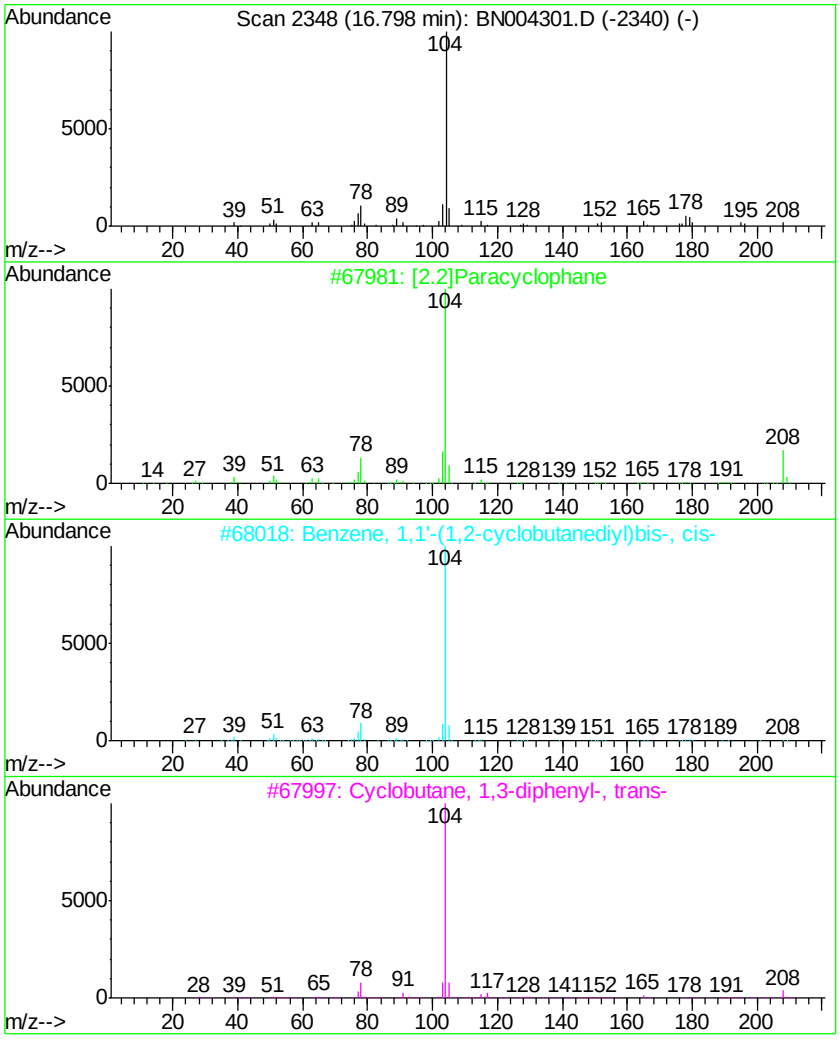
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

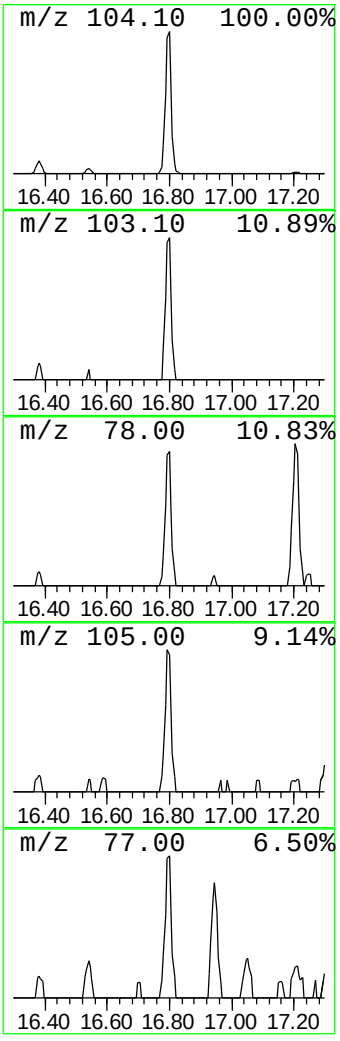
****

Peak Number 4 [2.2]Paracyclophane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	5.02 ng/ul	131084	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[2.2]Paracyclophane	208	C16H16	001633-22-3	72
2	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	72
3	Cyclobutane, 1,3-diphenyl-, trans-	208	C16H16	025558-23-0	72
4	[2.2]Paracyclophane	208	C16H16	001633-22-3	72
5	Cyclobutane, 1,2-diphenyl-	208	C16H16	003018-21-1	56





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

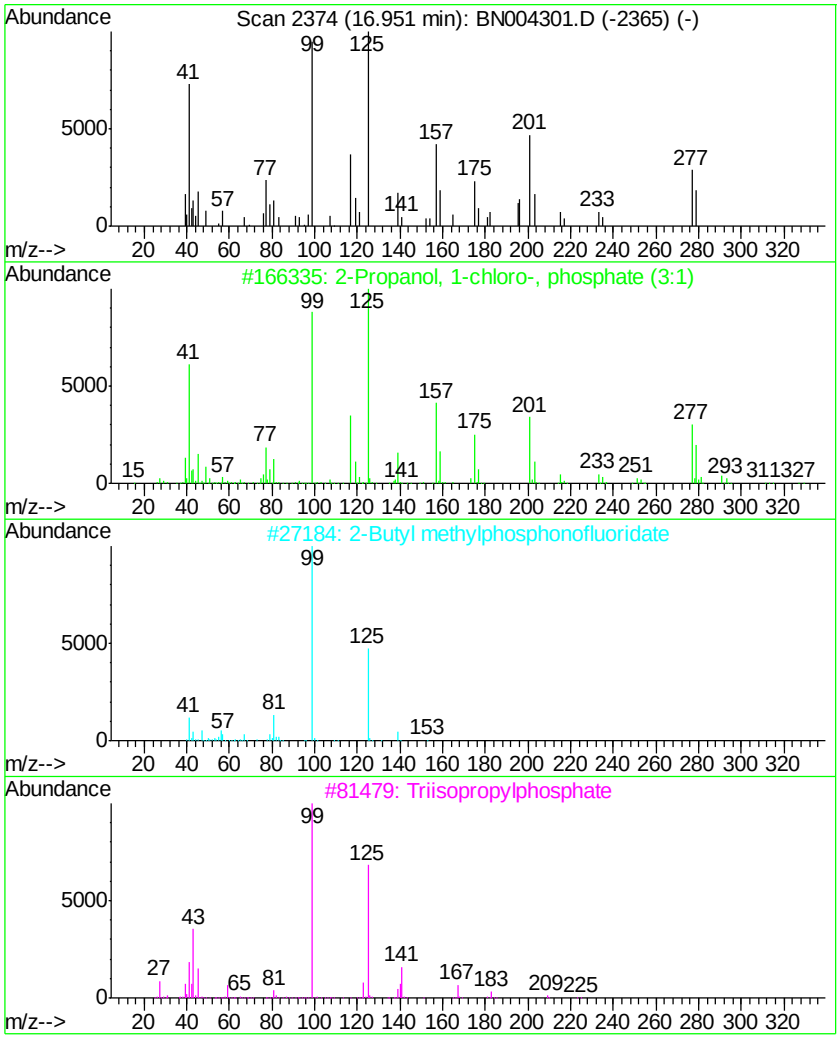
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

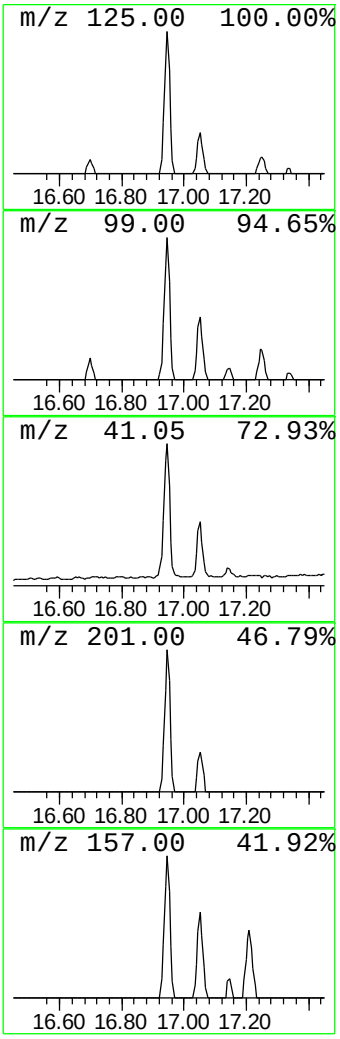
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2-Propanol, 1-chloro-, phos... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	4.29 ng/ul	111863	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	90
2	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	17
3	Triisopropylphosphate	224	C9H21O4P	000513-02-0	17
4	1,2,5-Oxadiazol-3-amine, 4-[5-(4...	277	C11H8ClN5O2	1000276-59-0	12
5	cis-1,9,12-Trioxadispiro[4.2.4.2...	270	C13H18O6	1000153-27-5	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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

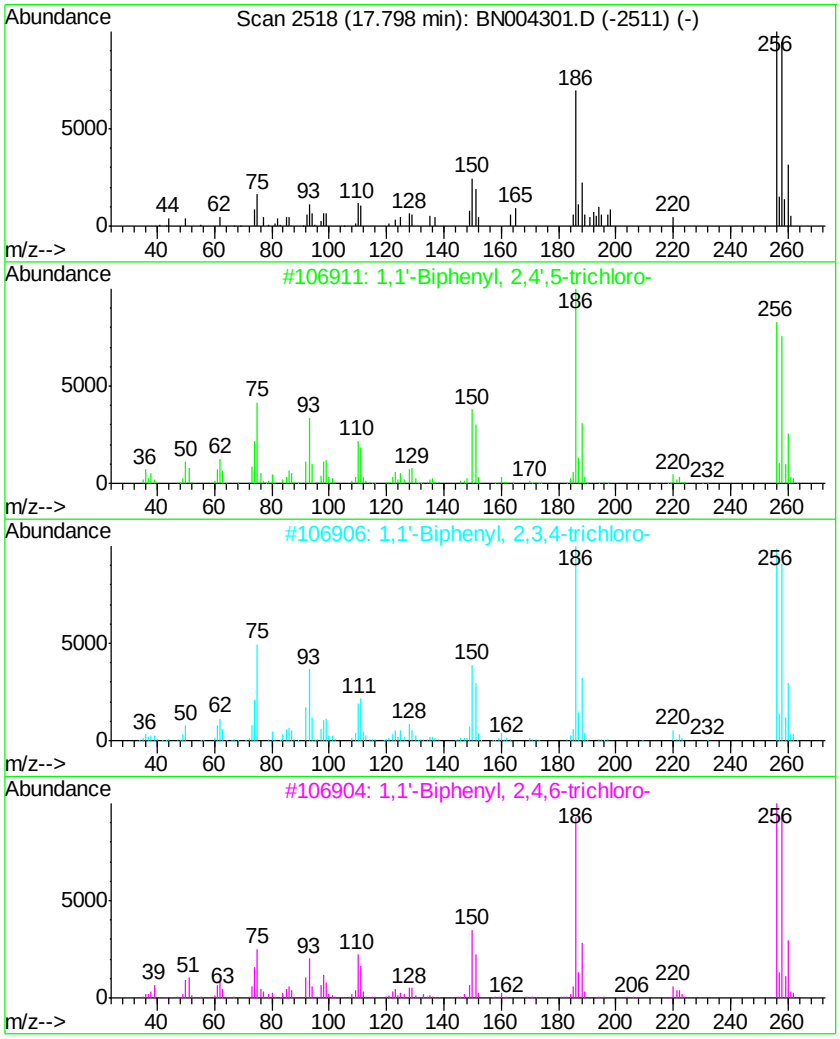
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

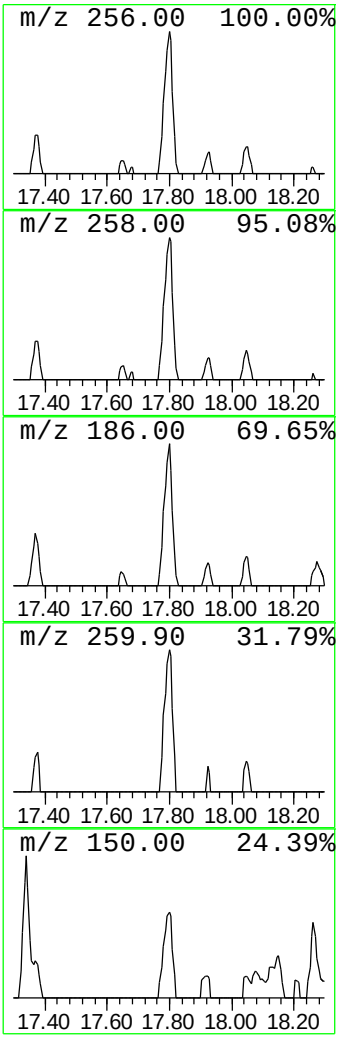
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	3.51 ng/ul	91686	Phenanthrene-d10	17.20

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, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
3	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	99
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
5	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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Quant Title : SVOA CALIBRATION

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

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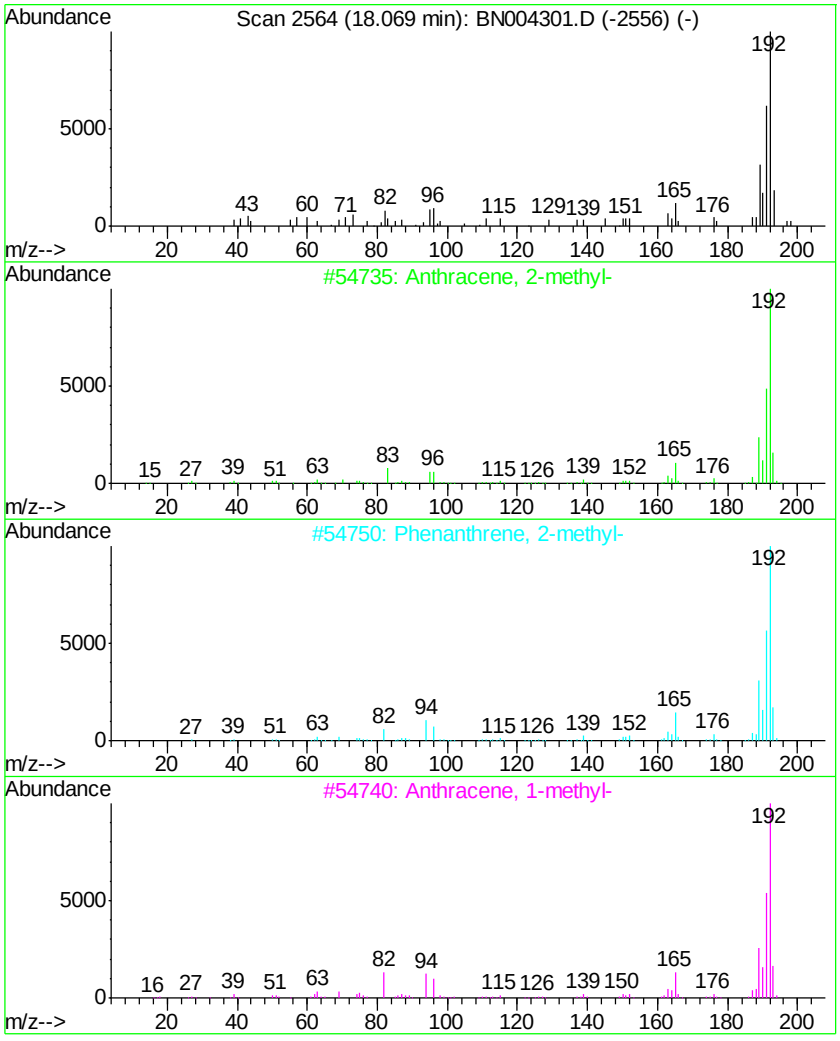
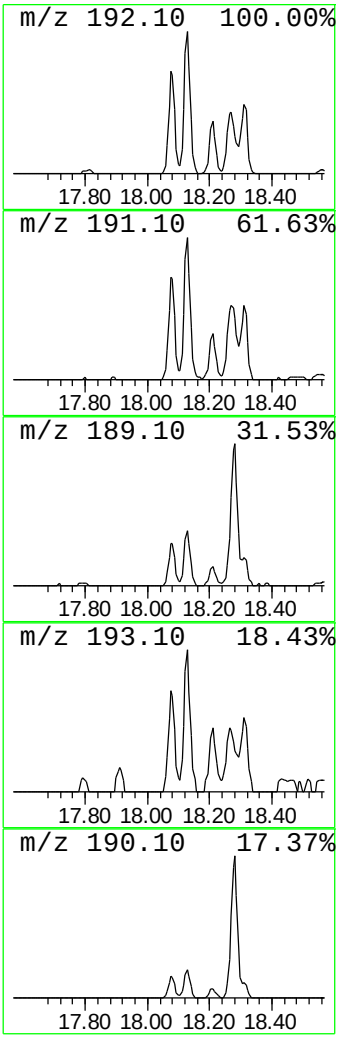
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	4.80 ng/ul	125332	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Sample : J6428-05
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ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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Quant Title : SVOA CALIBRATION

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

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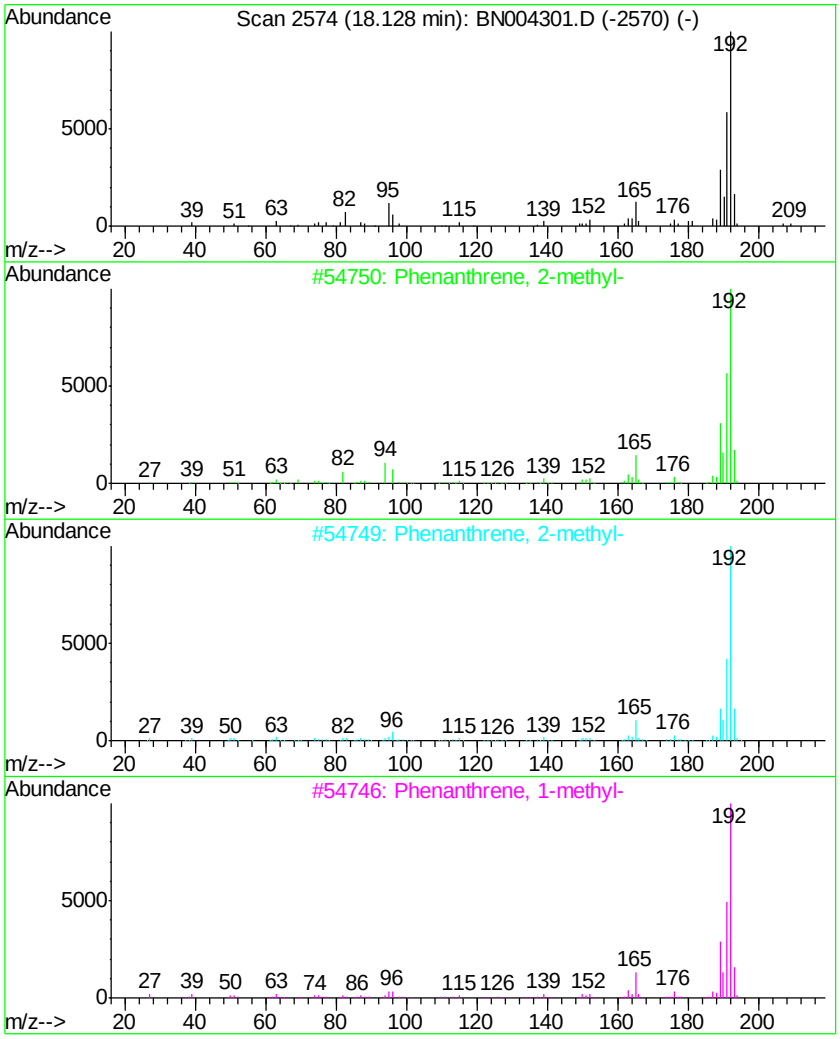
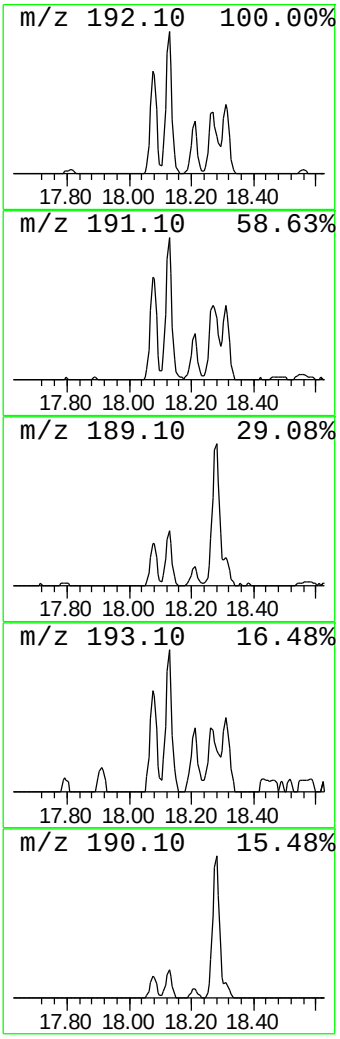
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	5.32 ng/ul	138974	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96





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ClientSampleId : A41T9

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Quant Title : SVOA CALIBRATION

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

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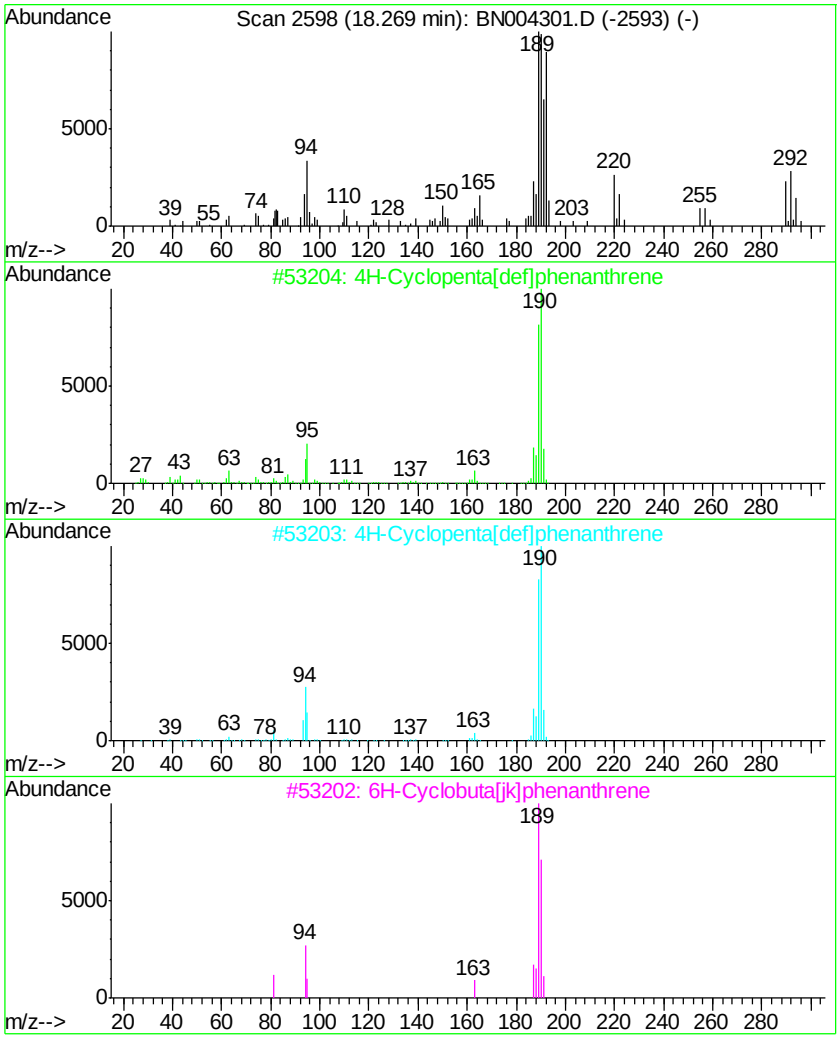
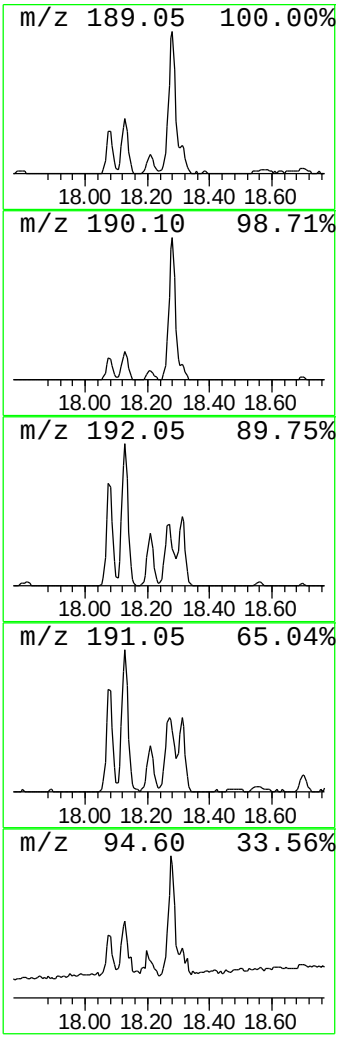
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	8.29 ng/ul	216400	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





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Instrument : BNA_N
ClientSampleId : A41T9

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Quant Title : SVOA CALIBRATION

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

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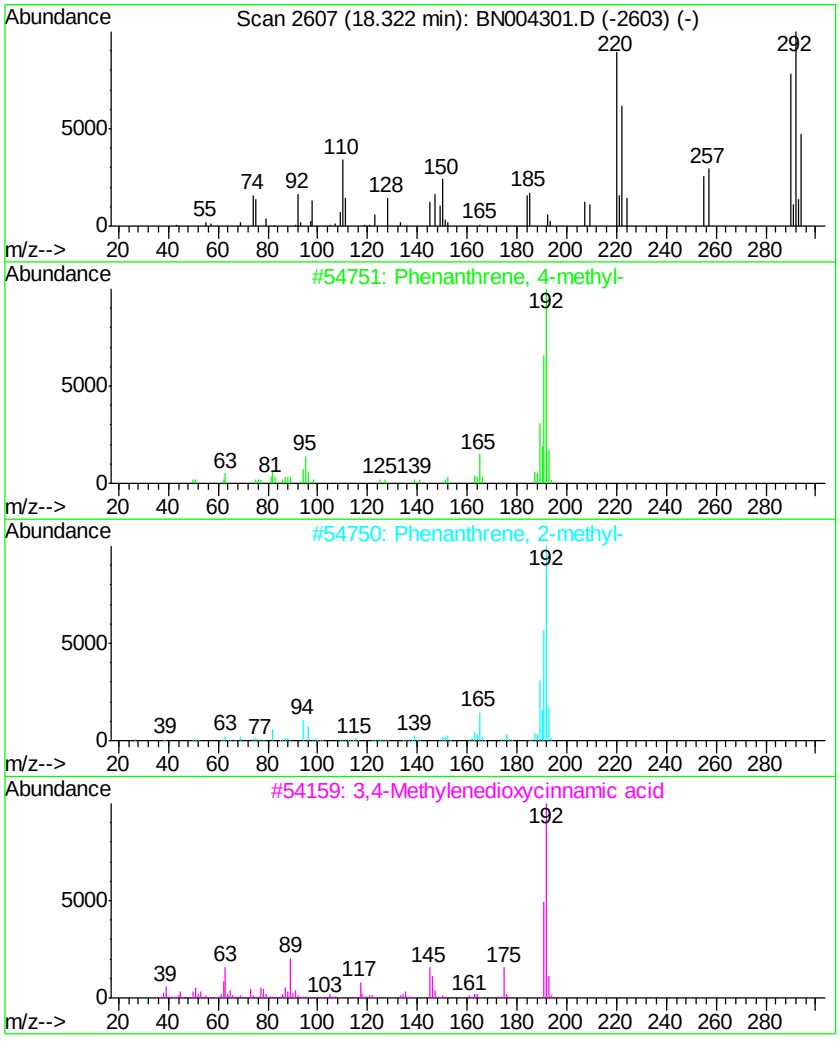
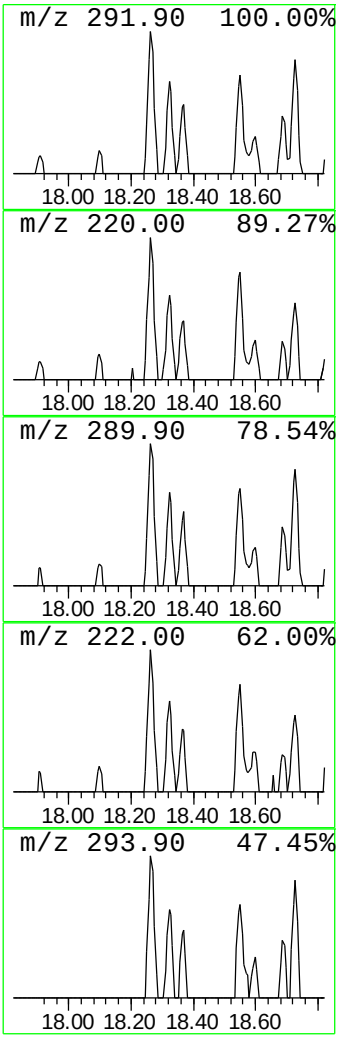
Peak Number 10 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	3.10 ng/ul	81028	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	45
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	43
3	3,4-Methylenedioxycinnamic acid	192	C10H8O4	002373-80-0	43
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	43
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	43





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Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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Quant Title : SVOA CALIBRATION

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

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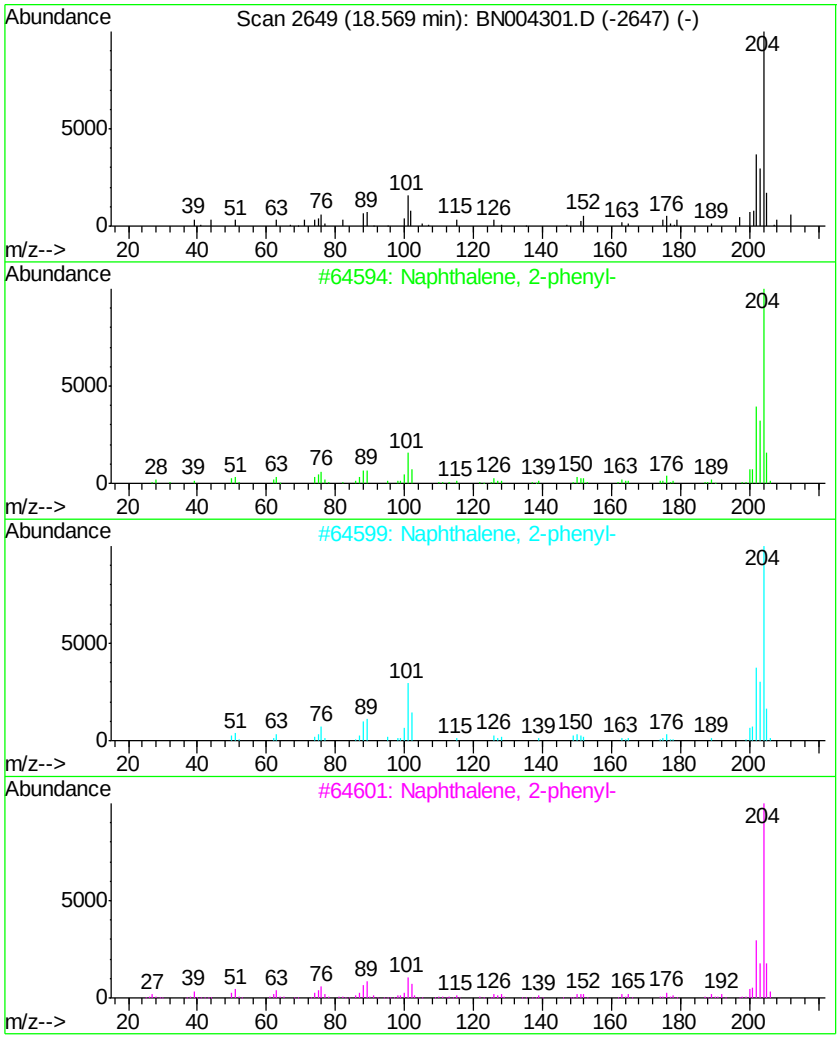
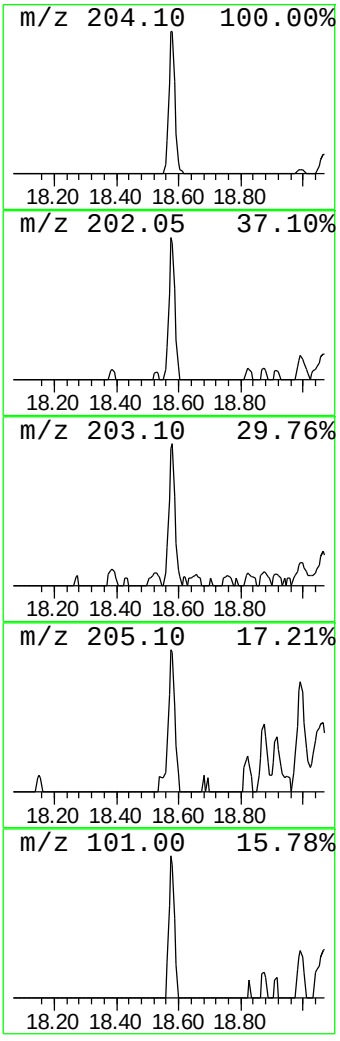
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	3.30 ng/ul	86023	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78





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ALS Vial : 37 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 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	2.13 ng/ul	55666	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
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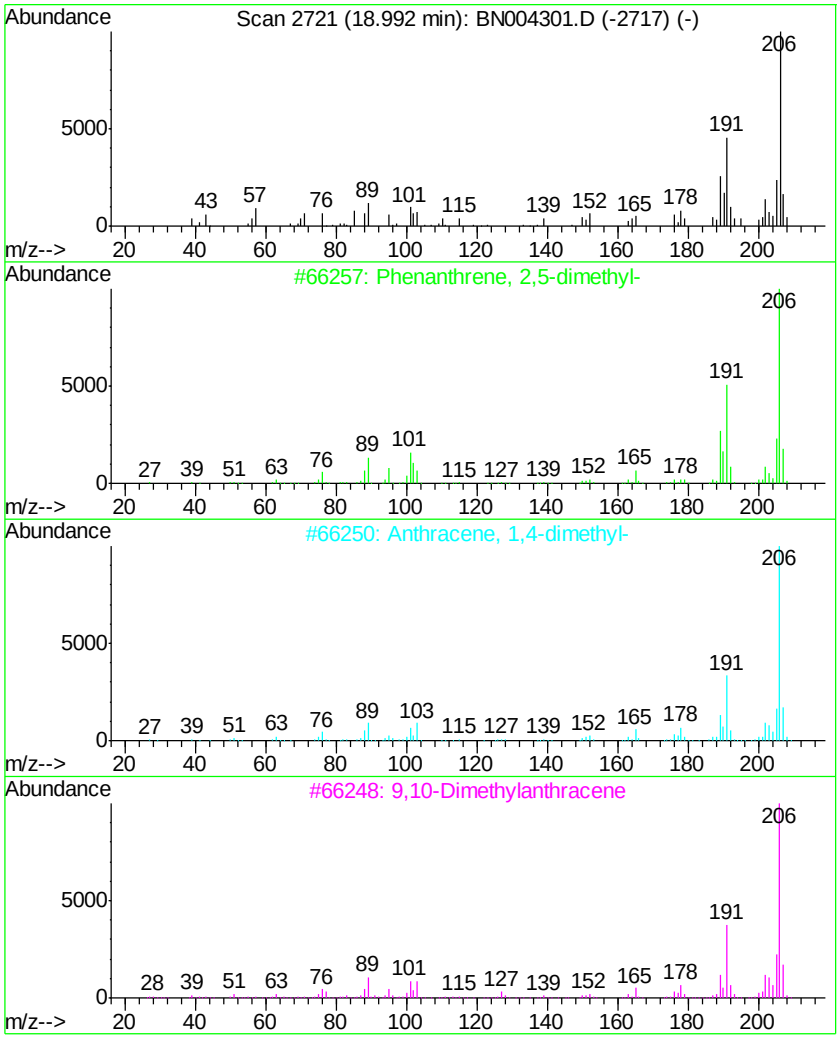

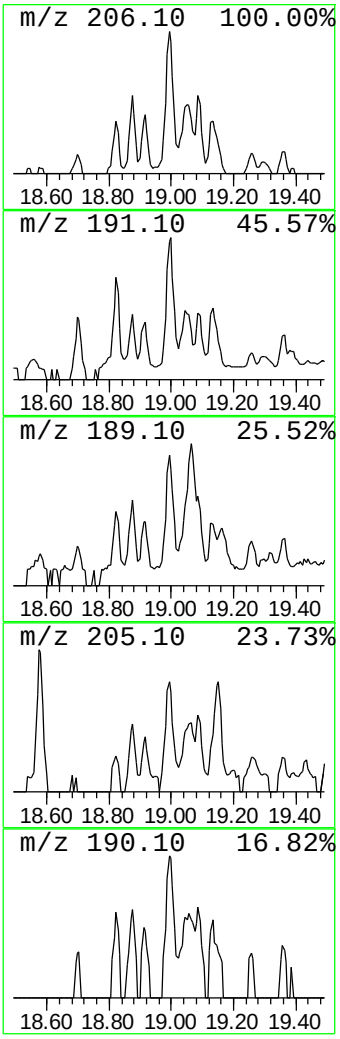

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Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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Quant Title : SVOA CALIBRATION

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

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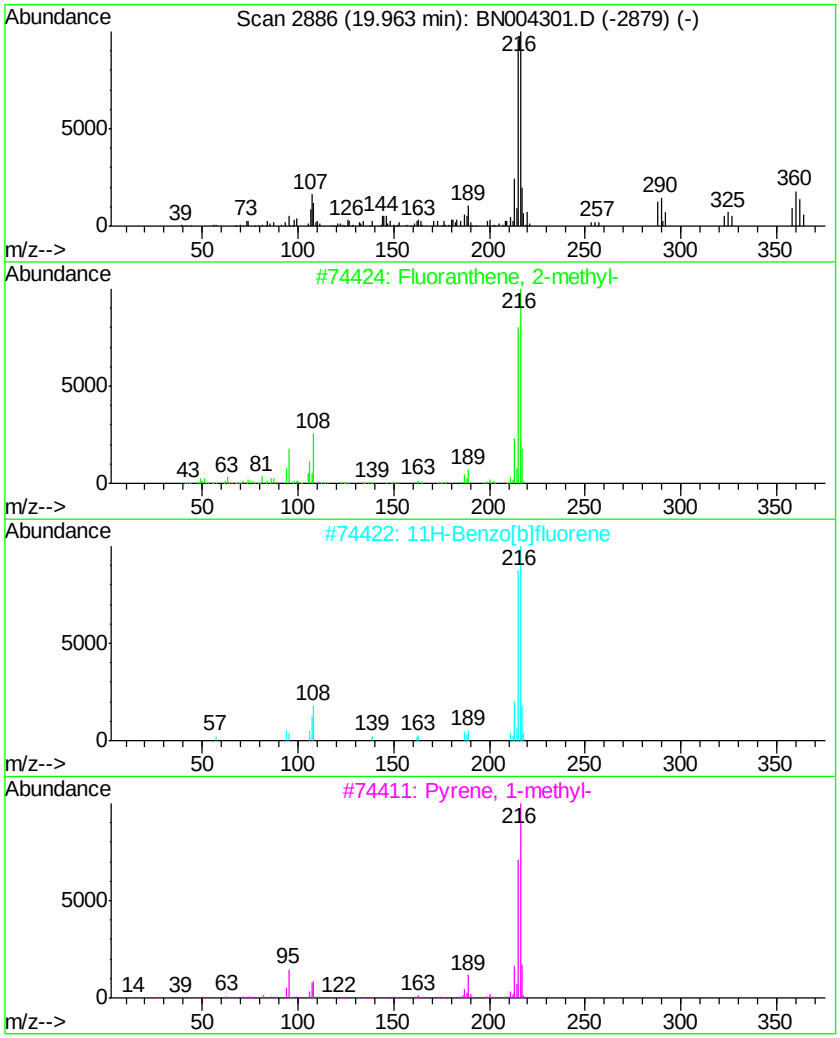
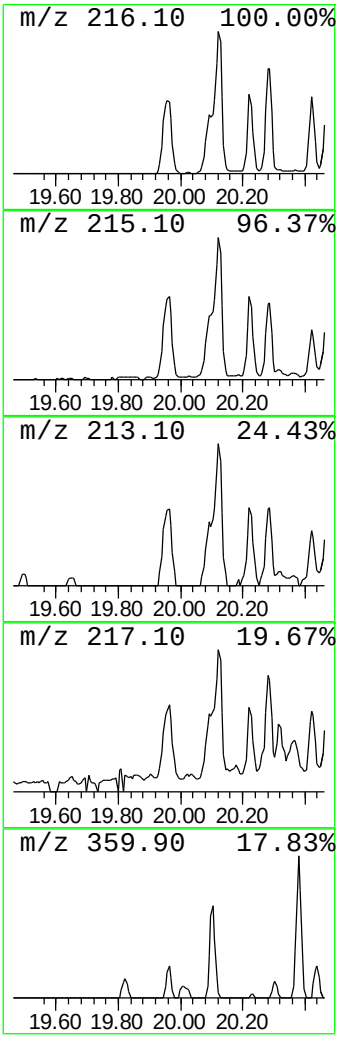
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	2.10 ng/ul	153445	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62





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Quant Title : SVOA CALIBRATION

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

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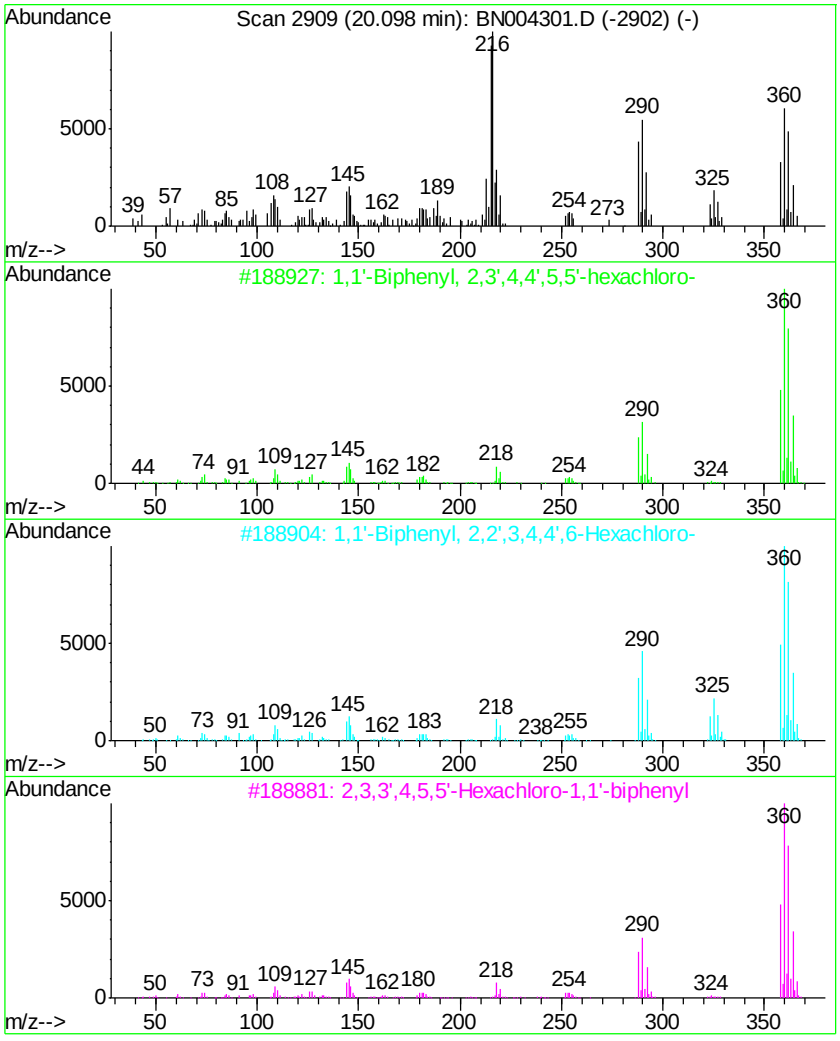
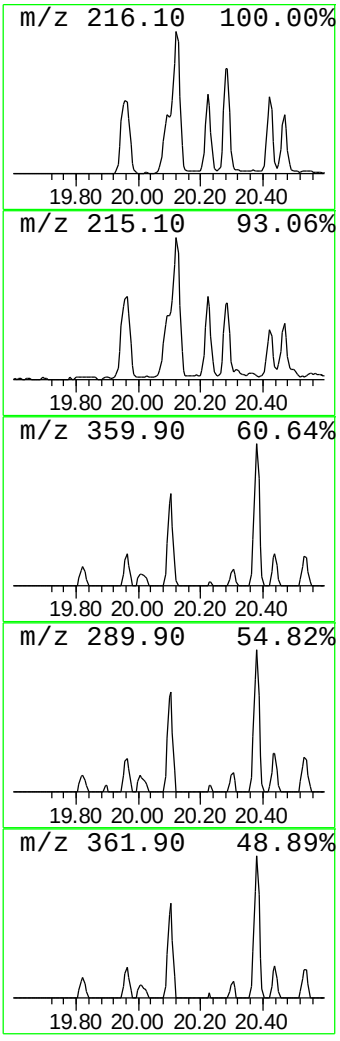
Peak Number 14 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	5.13 ng/ul	374826	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	97
2	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	97
3	2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	97
4	2,2',3,5,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-09-2	97
5	2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	97





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Quant Title : SVOA CALIBRATION

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

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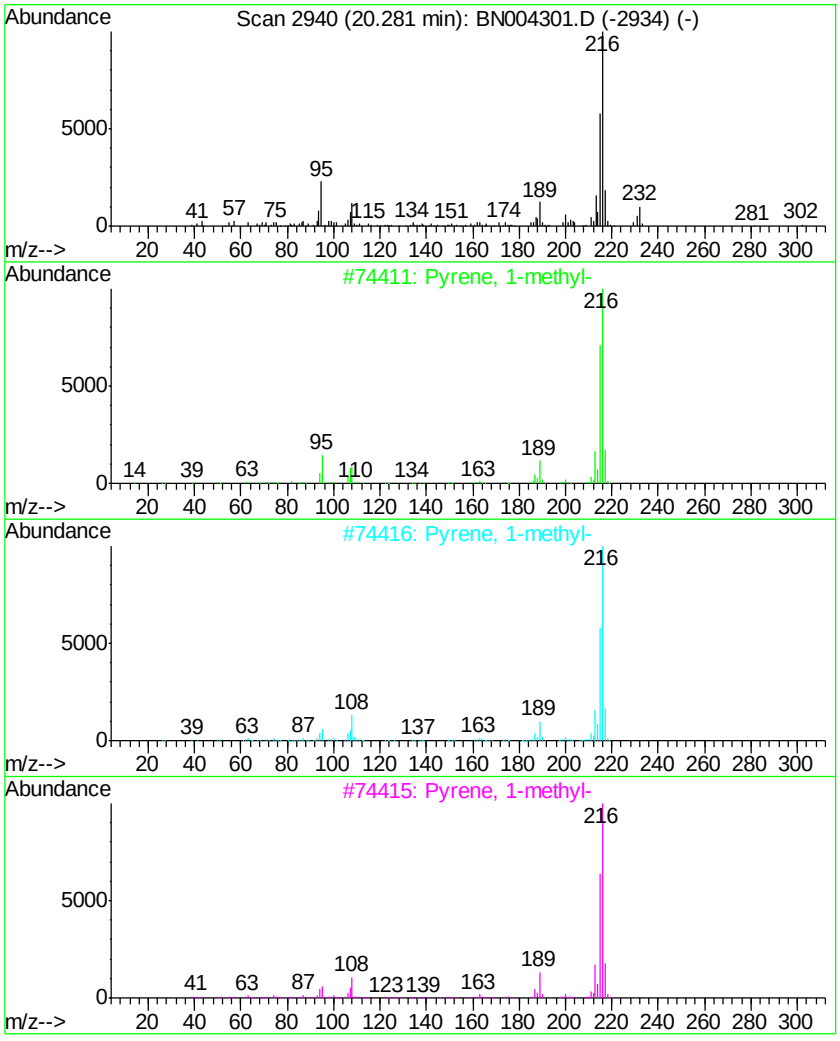
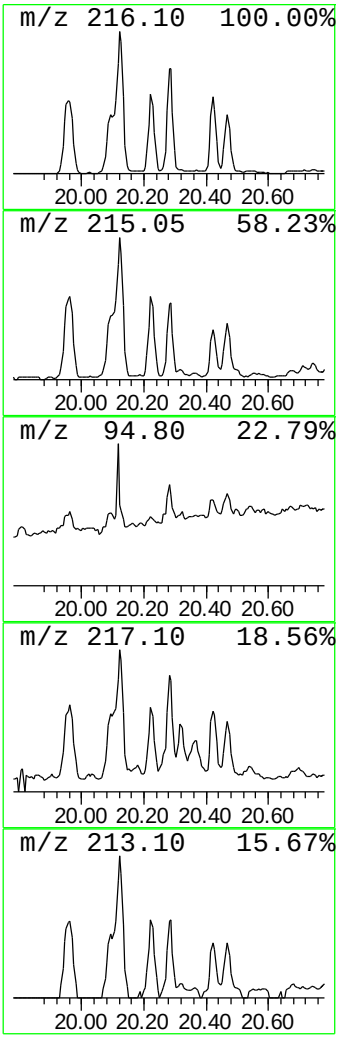
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	2.17 ng/ul	158862	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94





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Quant Title : SVOA CALIBRATION

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

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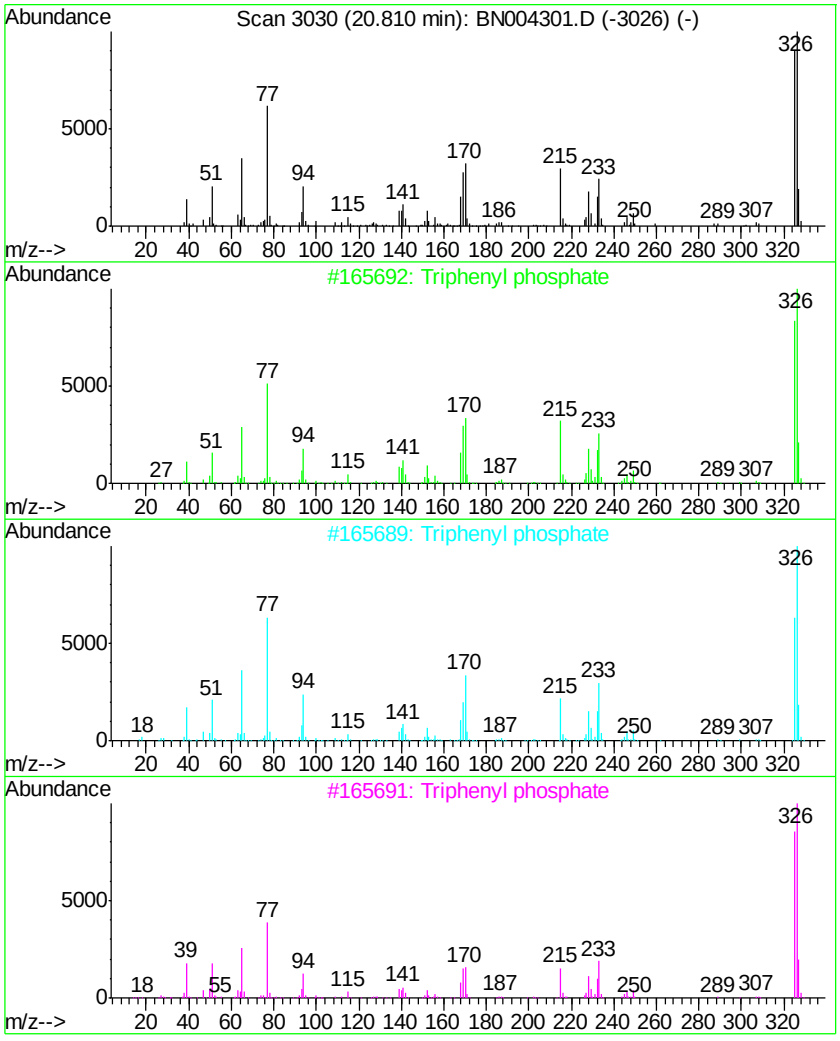
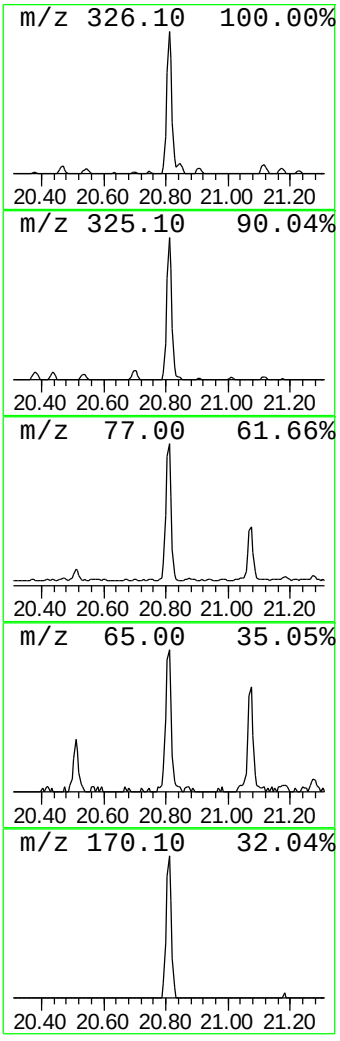
Peak Number 16 Triphenyl phosphate Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.81	3.09 ng/ul	226245	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenyl phosphate	326	C18H15O4P	000115-86-6	99
2	Triphenyl phosphate	326	C18H15O4P	000115-86-6	99
3	Triphenyl phosphate	326	C18H15O4P	000115-86-6	96
4	Triphenyl phosphate	326	C18H15O4P	000115-86-6	96
5	Triphenyl phosphate	326	C18H15O4P	000115-86-6	95





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Quant Title : SVOA CALIBRATION

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

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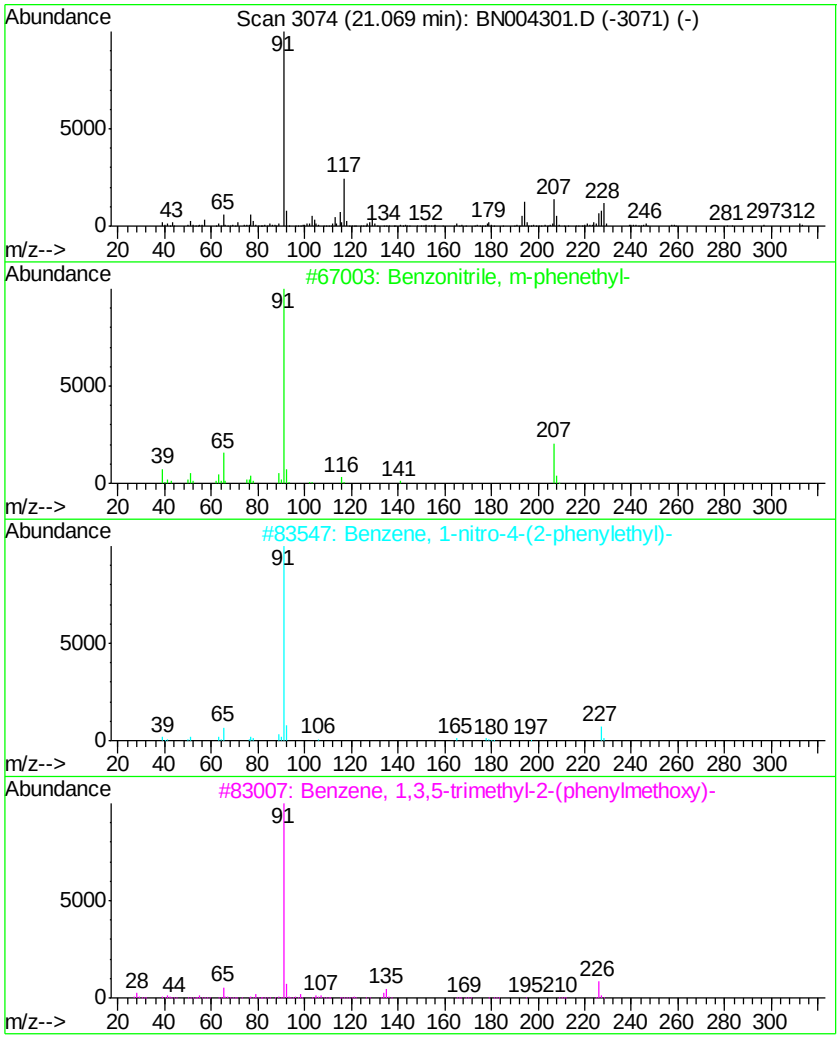
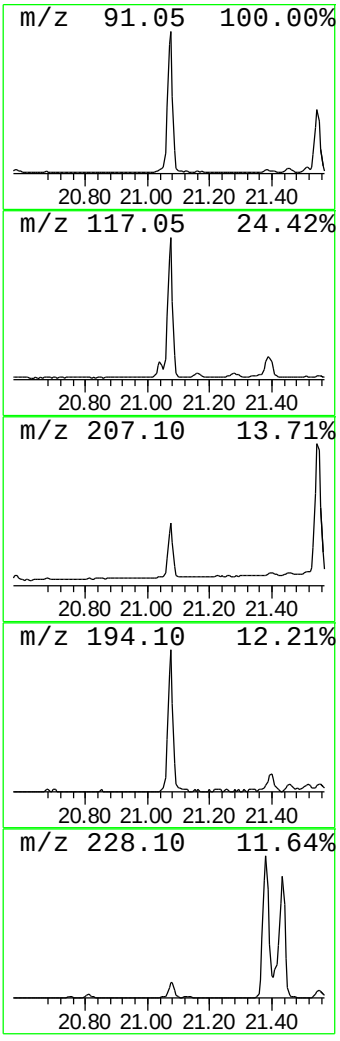
Peak Number 17 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	6.45 ng/ul	471906	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, m-phenethyl-	207	C15H13N	034176-91-5	22
2	Benzene, 1-nitro-4-(2-phenylethyl)-	227	C14H13NO2	014310-29-3	18
3	Benzene, 1,3,5-trimethyl-2-(phen...	226	C16H18O	019578-76-8	14
4	3-Phenylthiane,S-oxide	194	C11H14OS	058121-26-9	10
5	2,3-Dihydrobenzoxazol-2-one-3-ca...	314	C15H10N2O6	300808-99-5	10





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Quant Title : SVOA CALIBRATION

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

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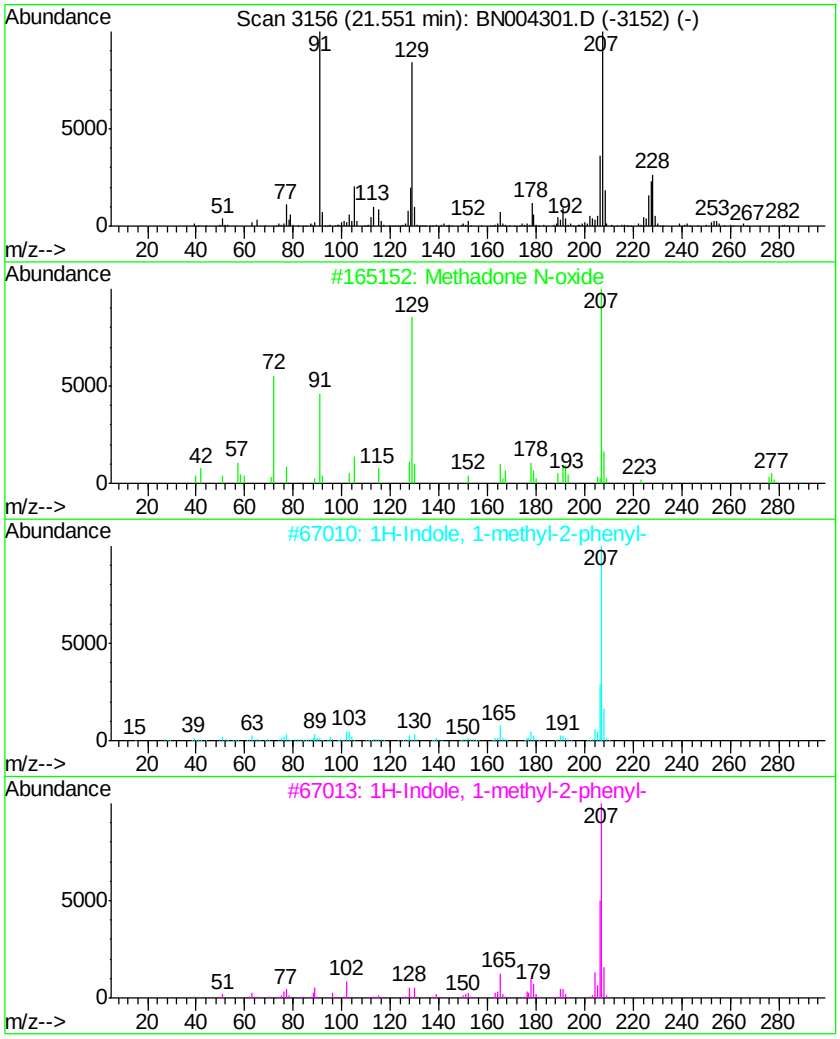
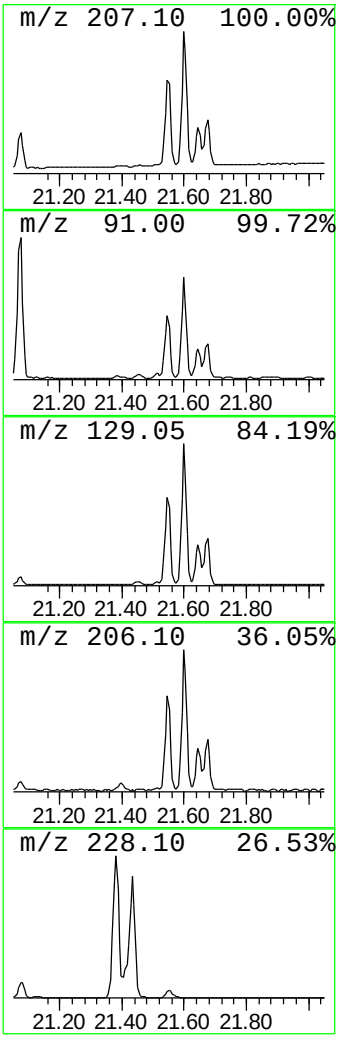
Peak Number 18 Methadone N-oxide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	5.19 ng/ul	379262	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methadone N-oxide	325	C21H27NO2	1000120-80-7	64
2	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	41
3	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	38
4	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	38
5	Benzo[h]quinoline, 2,4-dimethyl-	207	C15H13N	000605-67-4	30





Library Search Compound Report

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Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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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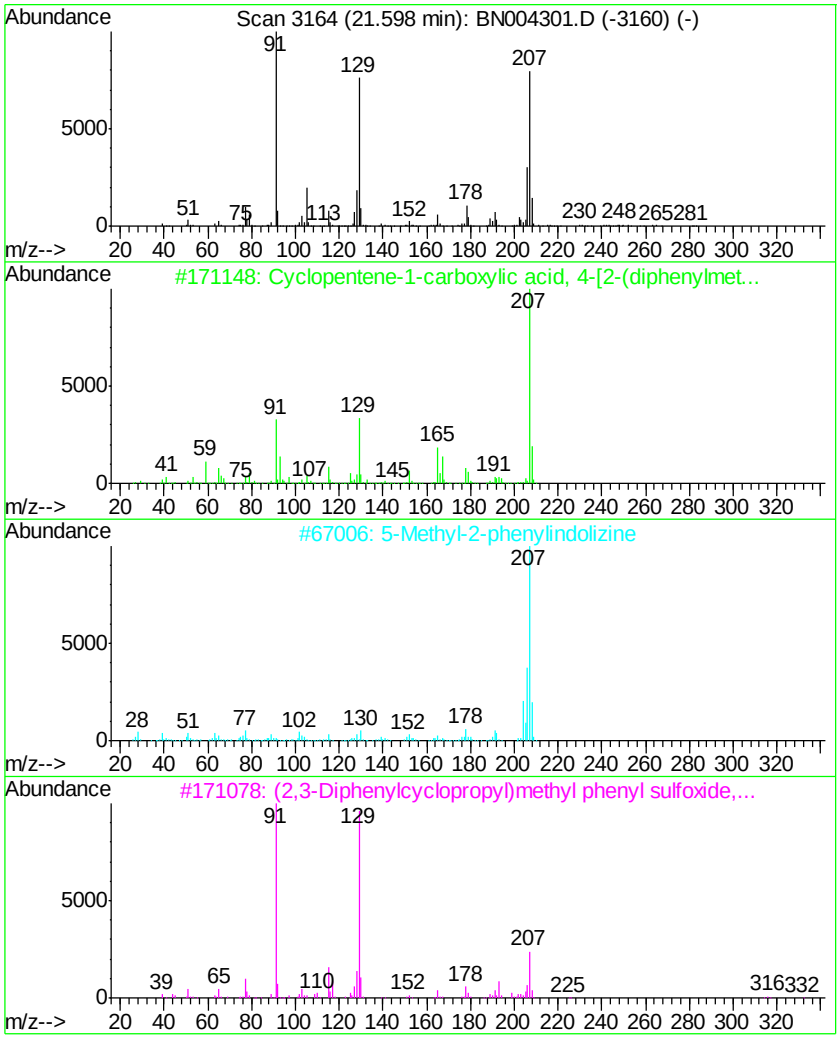
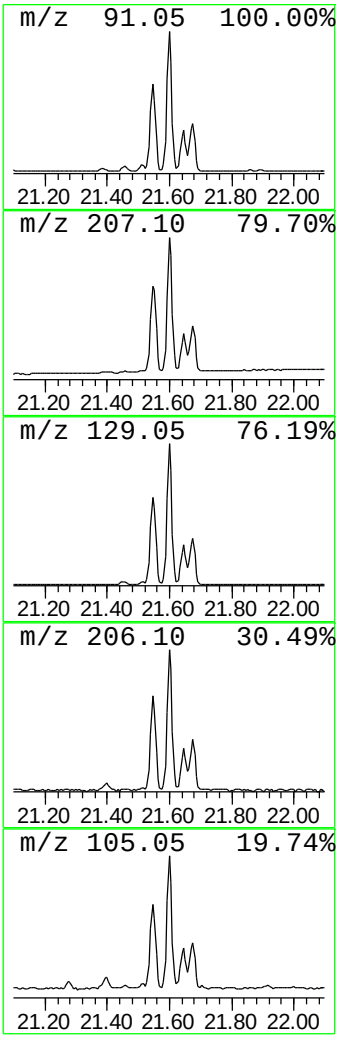
Peak Number 19 unknown-03 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.60	6.66 ng/ul	487134	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene-1-carboxylic acid, ...	332	C23H24O2	1000159-40-6	45
2	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	38
3	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	38
4	1-benzylindole	207	C15H13N	1000334-31-3	35
5	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	32





Library Search Compound Report

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Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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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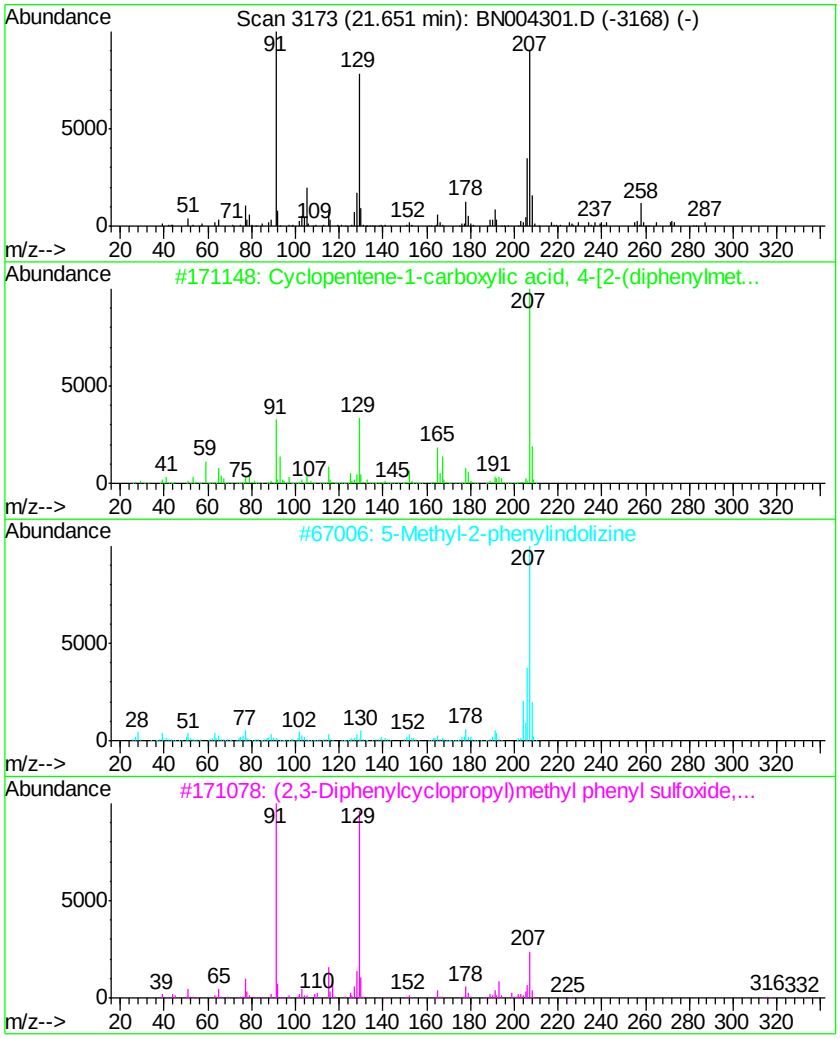
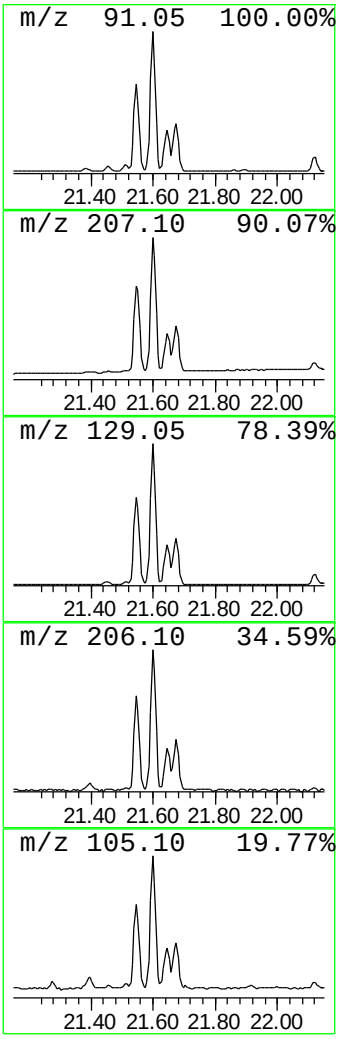
Peak Number 20 unknown-04 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.65	2.51 ng/ul	183358	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene-1-carboxylic acid, ...	332	C23H24O2	1000159-40-6	42
2	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	38
3	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	38
4	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	38
5	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	35





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Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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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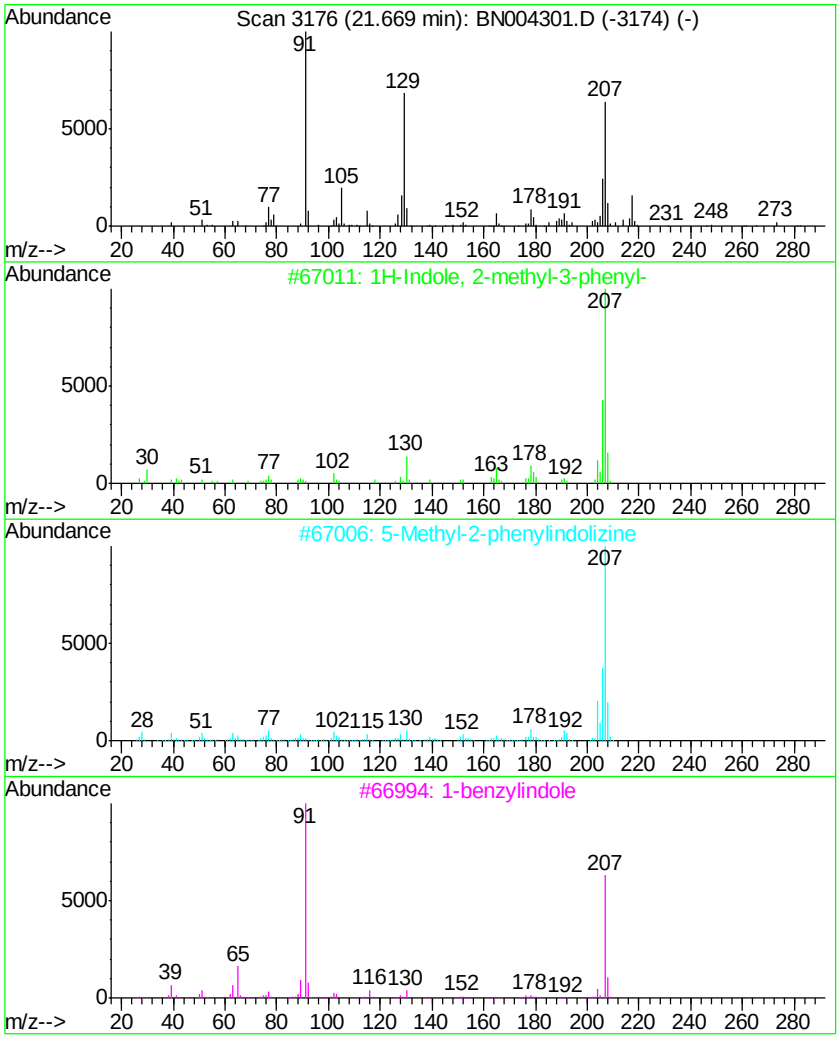
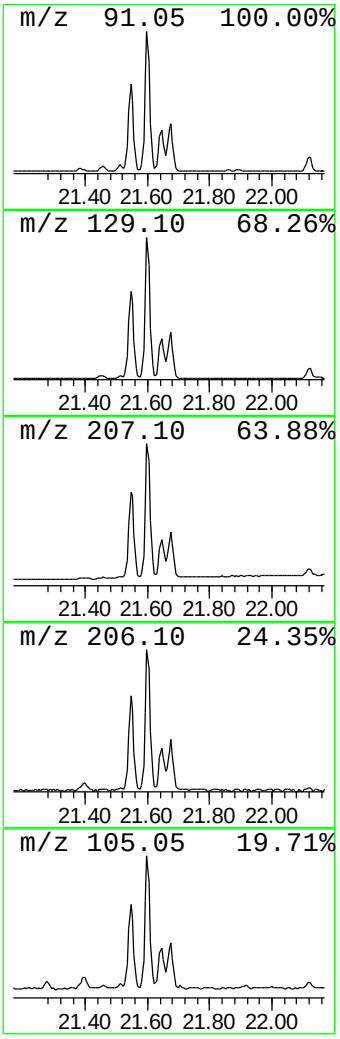
Peak Number 21 unknown-05 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.67	2.30 ng/ul	168349	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	49
2	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	49
3	1-benzylindole	207	C15H13N	1000334-31-3	43
4	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	43
5	Cyclopentene-1-carboxylic acid, ...	332	C23H24O2	1000159-40-6	40





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Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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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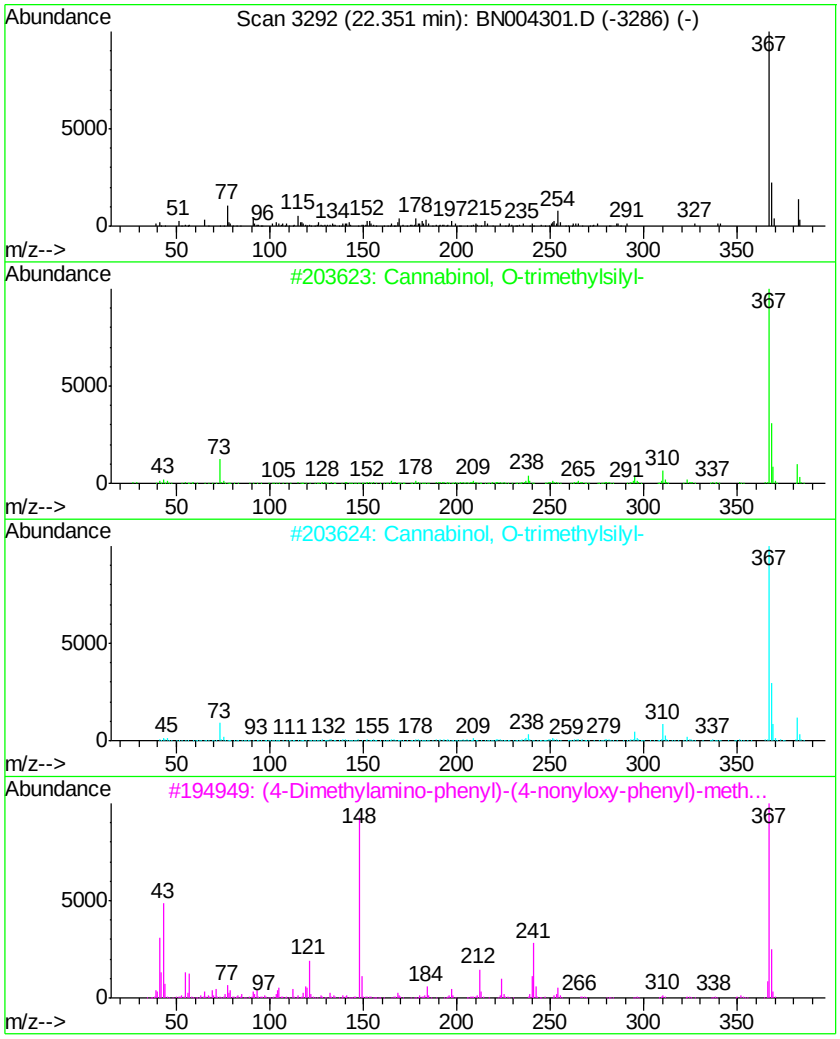
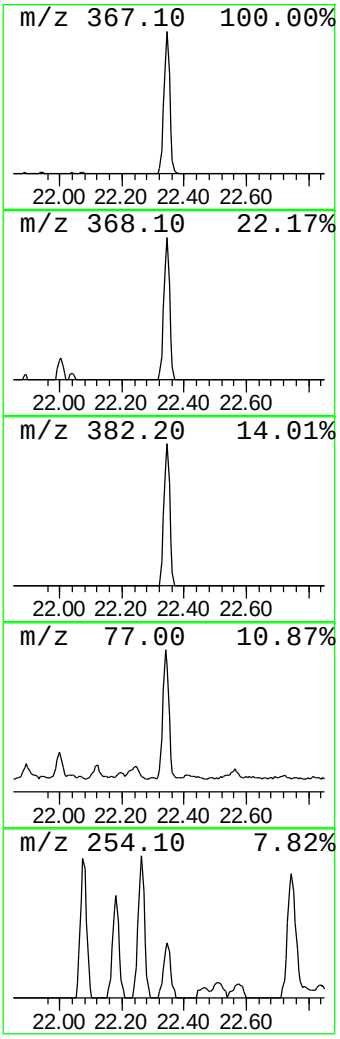
Peak Number 22 Cannabinol, O-trimethylsilyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.35	2.32 ng/ul	169822	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cannabinol, O-trimethylsilyl-	382	C24H34O2Si	064846-18-0	80
2	Cannabinol, O-trimethylsilyl-	382	C24H34O2Si	064846-18-0	72
3	(4-Dimethylamino-phenyl)-(4-nony...	367	C24H33NO2	300382-52-9	56
4	4-(2,3,4,6-Tetramethylphenyl)-tr...	382	C20H22N4O4	1000243-17-2	56
5	8H-Dinaphtho[2,3-c:2',3'-g]carba...	367	C28H17N	000313-87-1	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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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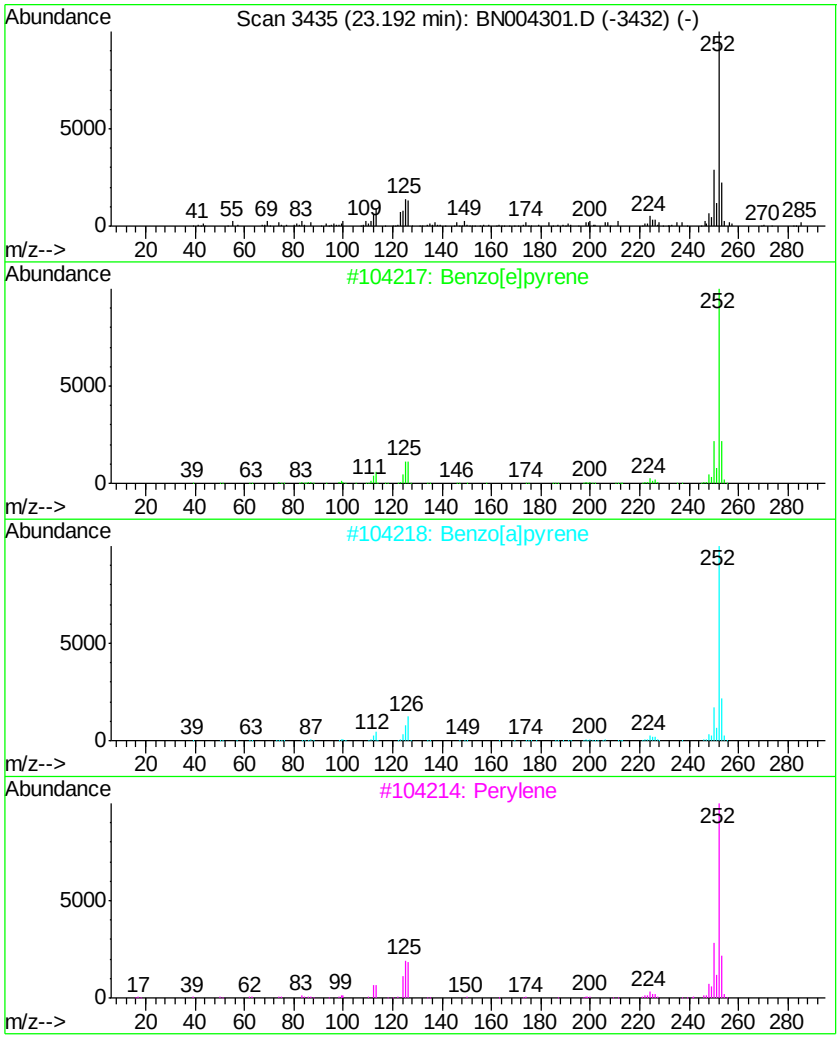
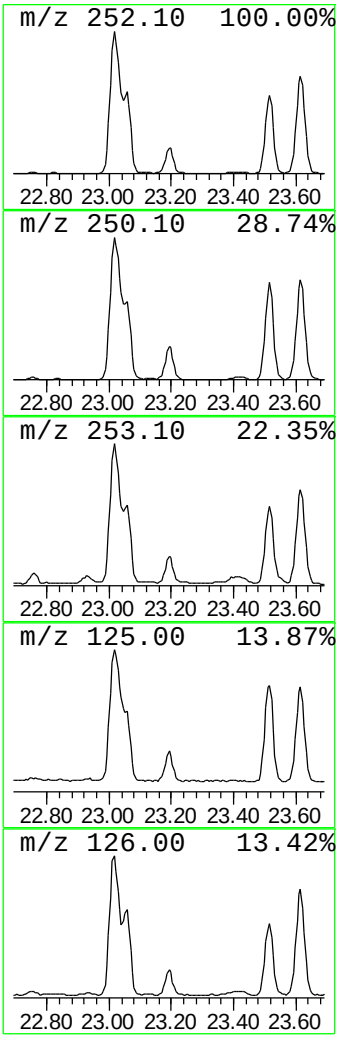
Peak Number 23 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.19	4.32 ng/ul	103736	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Perylene	252	C20H12	000198-55-0	96
4	Perylene	252	C20H12	000198-55-0	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004301.D
Acq On : 29 Dec 2018 15:00
Operator : JU/SJ
Sample : J6428-05
Misc : GCMS Confirmation
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T9

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	8.9	ng/ul	73517	1	7.82	164764	20.0
1,3,5,7-Cycloocta...	5.80	2.2	ng/ul	17919	1	7.82	164764	20.0
[2.2]Paracyclophane	16.80	5.0	ng/ul	131084	4	17.20	521971	20.0
2-Propanol, 1-chl...	16.95	4.3	ng/ul	111863	4	17.20	521971	20.0
1,1'-Biphenyl, 2,...	17.80	3.5	ng/ul	91686	4	17.20	521971	20.0
Anthracene, 2-met...	18.07	4.8	ng/ul	125332	4	17.20	521971	20.0
Phenanthrene, 2-m...	18.13	5.3	ng/ul	138974	4	17.20	521971	20.0
4H-Cyclopenta[def...	18.27	8.3	ng/ul	216400	4	17.20	521971	20.0
unknown-01	18.32	3.1	ng/ul	81028	4	17.20	521971	20.0
Naphthalene, 2-ph...	18.57	3.3	ng/ul	86023	4	17.20	521971	20.0
Phenanthrene, 2,5...	18.99	2.1	ng/ul	55666	4	17.20	521971	20.0
Fluoranthene, 2-m...	19.96	2.1	ng/ul	153445	5	21.40	1462300	20.0
1,1'-Biphenyl, 2,...	20.10	5.1	ng/ul	374826	5	21.40	1462300	20.0
Pyrene, 1-methyl-	20.28	2.2	ng/ul	158862	5	21.40	1462300	20.0
Triphenyl phosphate	20.81	3.1	ng/ul	226245	5	21.40	1462300	20.0
unknown-02	21.07	6.5	ng/ul	471906	5	21.40	1462300	20.0
Methadone N-oxide	21.55	5.2	ng/ul	379262	5	21.40	1462300	20.0
unknown-03	21.60	6.7	ng/ul	487134	5	21.40	1462300	20.0
unknown-04	21.65	2.5	ng/ul	183358	5	21.40	1462300	20.0
unknown-05	21.67	2.3	ng/ul	168349	5	21.40	1462300	20.0
Cannabinol, O-tri...	22.35	2.3	ng/ul	169822	5	21.40	1462300	20.0
Benzo[e]pyrene	23.19	4.3	ng/ul	103736	6	23.72	480564	20.0