LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004309.D
Acq On : 02 Jan 2019 14:00
Operator : JU/SJ
Sample : J6428-02
Misc : GCMS Confirmation
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T5

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	40	rVB	71020	77555	7.23%	0.908%
2	7.816	815	821	829	rBB	98528	147701	13.77%	1.729%
3	10.610	1290	1296	1302	rBV	149240	245885	22.93%	2.878%
4	10.663	1302	1305	1311	rVB	8453	11719	1.09%	0.137%
5	14.457	1943	1950	1957	rBV2	257720	384779	35.88%	4.504%
6	14.522	1957	1961	1966	rVB	32936	44828	4.18%	0.525%
7	14.857	2014	2018	2026	rBB	16281	23281	2.17%	0.272%
8	15.504	2123	2128	2136	rBB	33571	50053	4.67%	0.586%
9	15.945	2199	2203	2210	rBB	7719	14091	1.31%	0.165%
10	17.028	2382	2387	2392	rVB	16306	22749	2.12%	0.266%
11	17.204	2411	2417	2421	rBV	332319	483751	45.10%	5.662%
12	17.245	2421	2424	2434	rVB	442585	631145	58.85%	7.387%
13	17.339	2435	2440	2444	rBV	65599	90168	8.41%	1.055%
14	17.792	2512	2517	2522	rVB4	15980	32777	3.06%	0.384%
15	17.928	2535	2540	2547	rBV7	5038	11875	1.11%	0.139%
16	18.075	2561	2565	2570	rBV	44283	62076	5.79%	0.727%
17	18.128	2570	2574	2580	rVB	53581	75478	7.04%	0.883%
18	18.210	2582	2588	2592	rVB2	12363	20847	1.94%	0.244%
19	18.275	2593	2599	2603	rBV3	67006	131669	12.28%	1.541%
20	18.316	2603	2606	2611	rVB	34911	44077	4.11%	0.516%
21	18.581	2643	2651	2658	rBV	35979	66433	6.19%	0.778%
22	18.822	2689	2692	2697	rVB2	11837	16107	1.50%	0.189%
23	18.875	2697	2701	2705	rBV	12891	14818	1.38%	0.173%
24	18.916	2705	2708	2715	rVB2	9516	17368	1.62%	0.203%
25	18.998	2716	2722	2726	rBV	27415	45642	4.26%	0.534%
26	19.045	2726	2730	2735	rBV4	12498	29234	2.73%	0.342%
27	19.269	2762	2768	2774	rBV	705737	983532	91.70%	11.512%
28	19.322	2774	2777	2781	rBV2	9478	14282	1.33%	0.167%
29	19.392	2786	2789	2795	rVB	20965	26090	2.43%	0.305%
30	19.510	2806	2809	2818	rVB	15265	24632	2.30%	0.288%
31	19.598	2818	2824	2826	rBV2	110247	167351	15.60%	1.959%
32	19.633	2826	2830	2837	rVV	480577	654597	61.03%	7.662%
33	19.698	2837	2841	2846	rVV2	27326	37459	3.49%	0.438%
34	19.810	2856	2860	2864	rBV	32641	41709	3.89%	0.488%

LSC Area Percent Report

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Sample : J6428-02
Misc : GCMS Confirmation
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T5

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	19.963	2879	2886	2892	rVB	40907	75510	7.04%	0.884%
36	20.104	2902	2910	2911	rBV3	67987	103685	9.67%	1.214%
37	20.122	2911	2913	2917	rVB	69026	85564	7.98%	1.001%
38	20.227	2926	2931	2934	rBV	45792	59522	5.55%	0.697%
39	20.280	2934	2940	2944	rVV2	32351	71744	6.69%	0.840%
40	20.316	2944	2946	2950	rVB	22940	27180	2.53%	0.318%
41	20.380	2951	2957	2961	rVB4	49368	67264	6.27%	0.787%
42	20.433	2961	2966	2969	rBV2	18869	37034	3.45%	0.433%
43	20.469	2969	2972	2975	rVB	21740	26128	2.44%	0.306%
44	20.539	2981	2984	2987	rBV3	13017	17488	1.63%	0.205%
45	20.680	3005	3008	3009	rBV2	20896	22747	2.12%	0.266%
46	20.704	3009	3012	3017	rVB4	34371	47222	4.40%	0.553%
47	20.839	3033	3035	3038	rVB2	24446	21462	2.00%	0.251%
48	20.963	3054	3056	3061	rBV4	13553	24467	2.28%	0.286%
49	21.039	3066	3069	3072	rVV	54419	72573	6.77%	0.849%
50	21.080	3072	3076	3079	rVV	55331	76808	7.16%	0.899%
51	21.116	3079	3082	3086	rVB	59780	72807	6.79%	0.852%
52	21.280	3108	3110	3114	rVB2	20354	21383	1.99%	0.250%
53	21.392	3122	3129	3133	rBV2	518713	1072545	100.00%	12.554%
54	21.433	3133	3136	3141	rVB	304752	375805	35.04%	4.399%
55	21.722	3182	3185	3190	rBV6	23205	32782	3.06%	0.384%
56	21.957	3221	3225	3228	rVB	39273	53142	4.95%	0.622%
57	22.163	3257	3260	3265	rBV2	20173	40948	3.82%	0.479%
58	22.939	3389	3392	3396	rVB	24903	33609	3.13%	0.393%
59	23.016	3399	3405	3410	rBV	181066	400885	37.38%	4.692%
60	23.516	3485	3490	3498	rVB	87752	166482	15.52%	1.949%
61	23.716	3518	3524	3531	rBV2	228395	442446	41.25%	5.179%
62	24.763	3698	3702	3714	rVB4	17883	44985	4.19%	0.527%
63	25.445	3812	3818	3827	rVB3	18376	44489	4.15%	0.521%
64	26.074	3917	3925	3936	rVB2	37165	115530	10.77%	1.352%
65	26.351	3965	3972	3982	rVB4	16428	43735	4.08%	0.512%

Sum of corrected areas: 8543729

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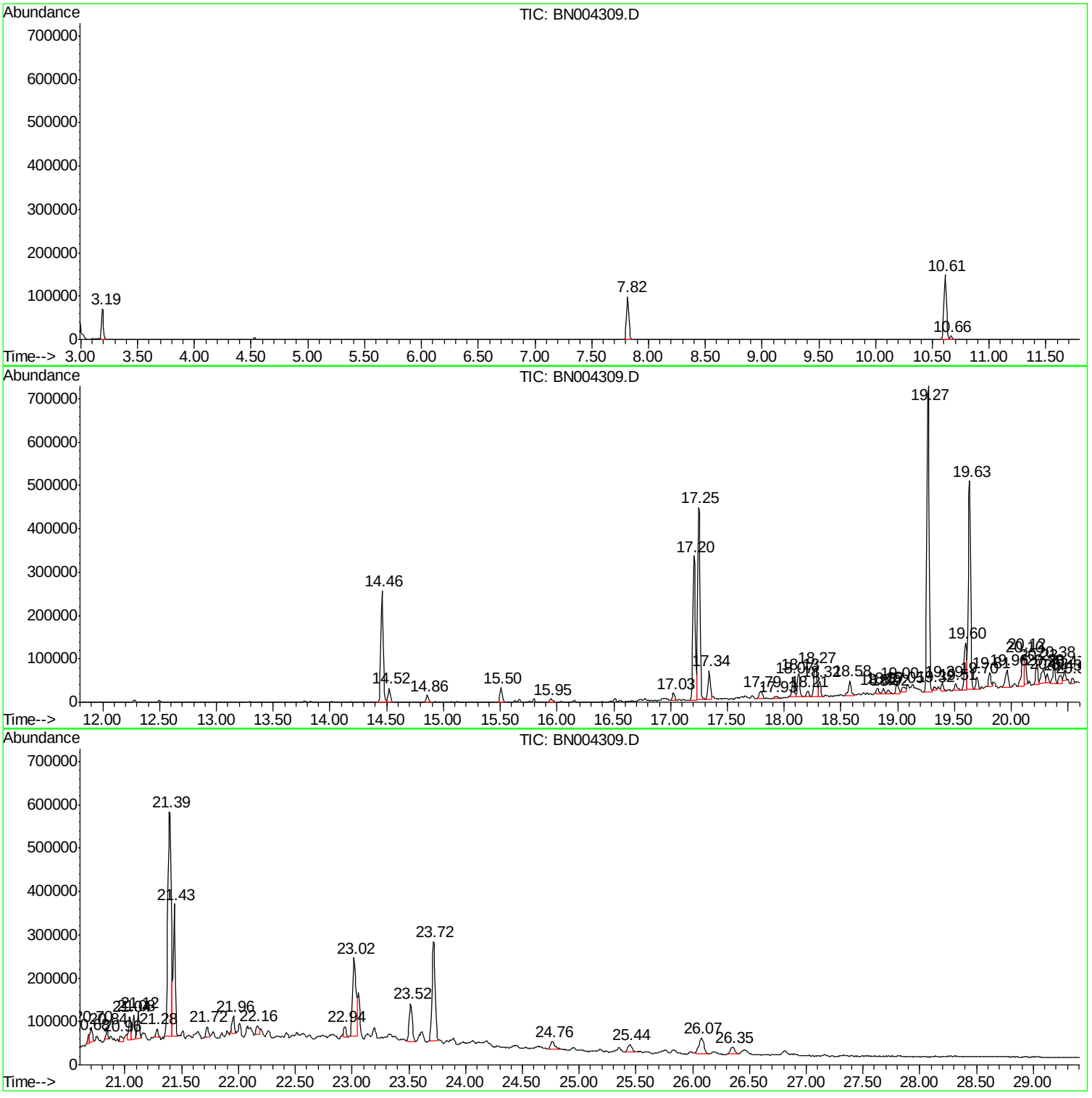
Acq On : 02 Jan 2019 14:00
Operator : JU/SJ
Sample : J6428-02
Misc : GCMS Confirmation
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A41T5

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



Library Search Compound Report

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Instrument : BNA_N
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TIC Library : C:\Database\NIST11.L
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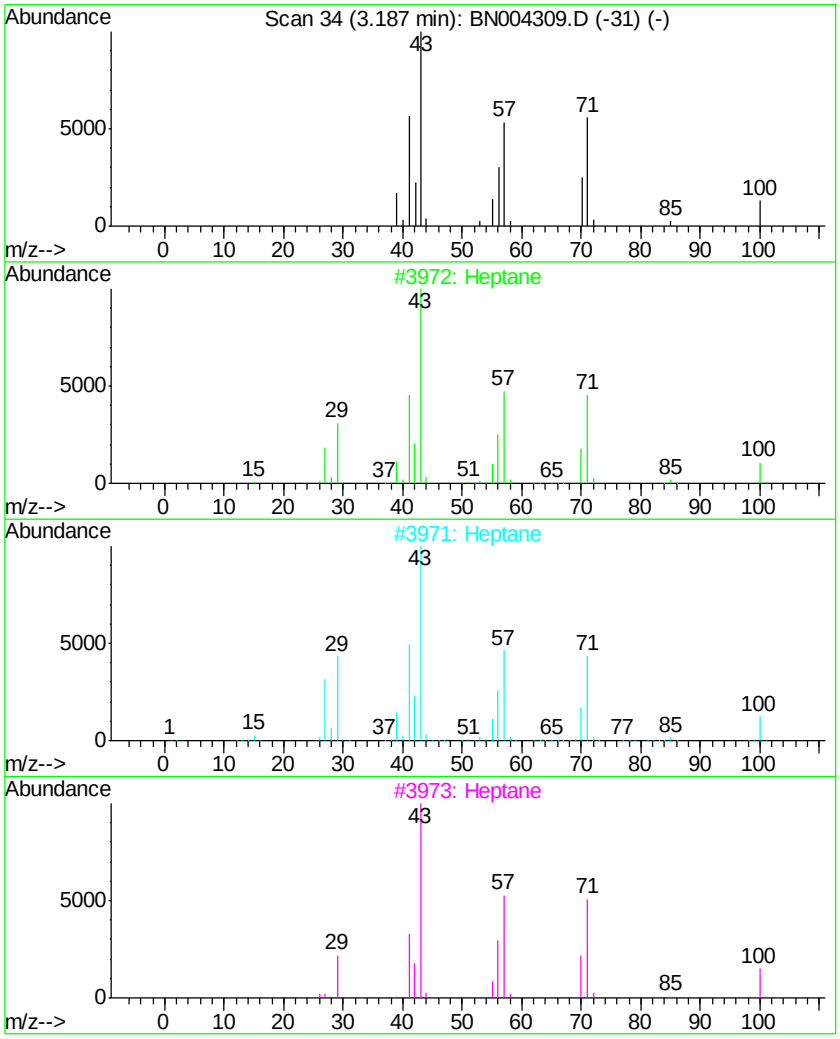
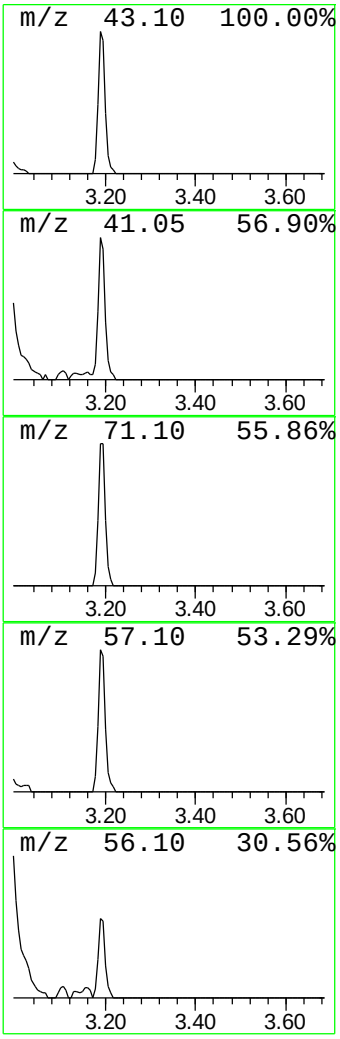
****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	10.50 ng/ul	77555	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





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Data File : BN004309.D
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Operator : JU/SJ
Sample : J6428-02
Misc : GCMS Confirmation
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T5

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

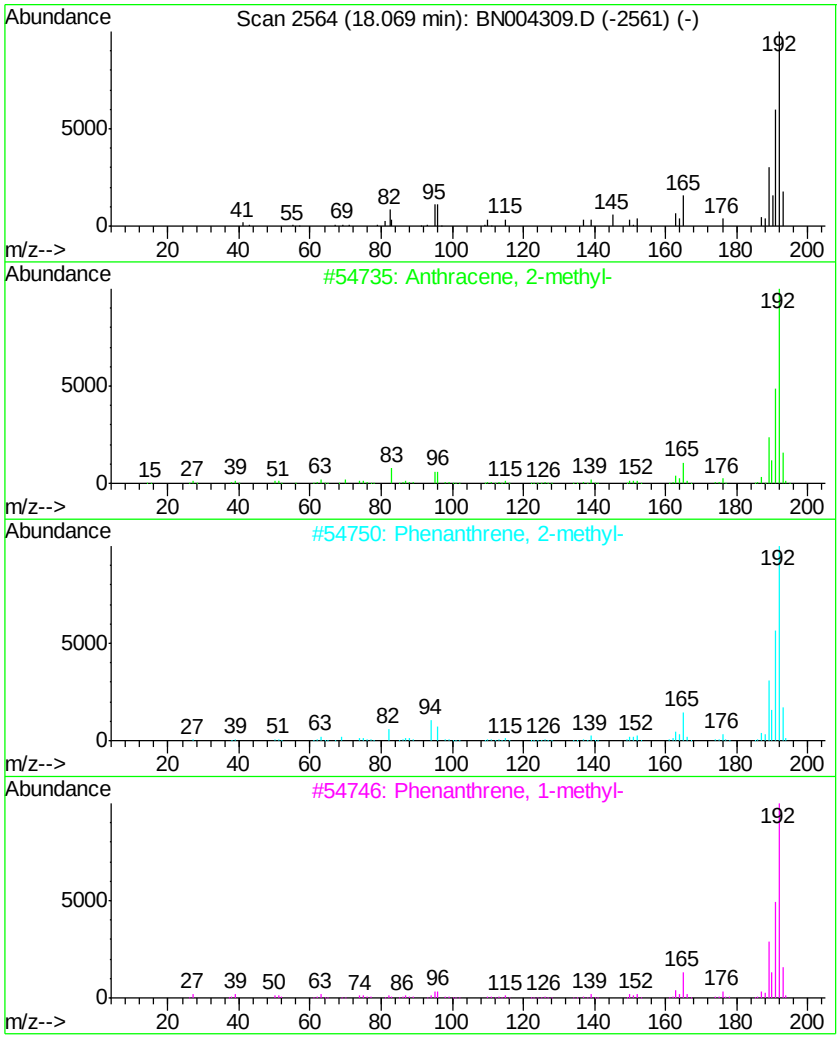
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

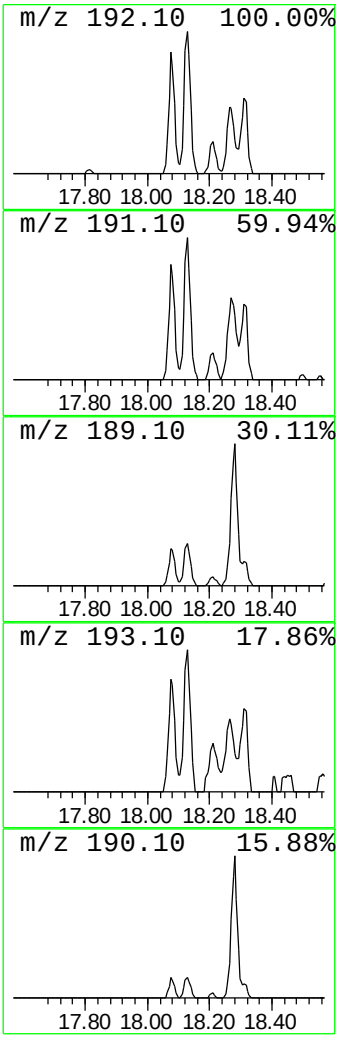
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.57 ng/ul	62076	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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Library Search Compound Report

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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T5

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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST11.L
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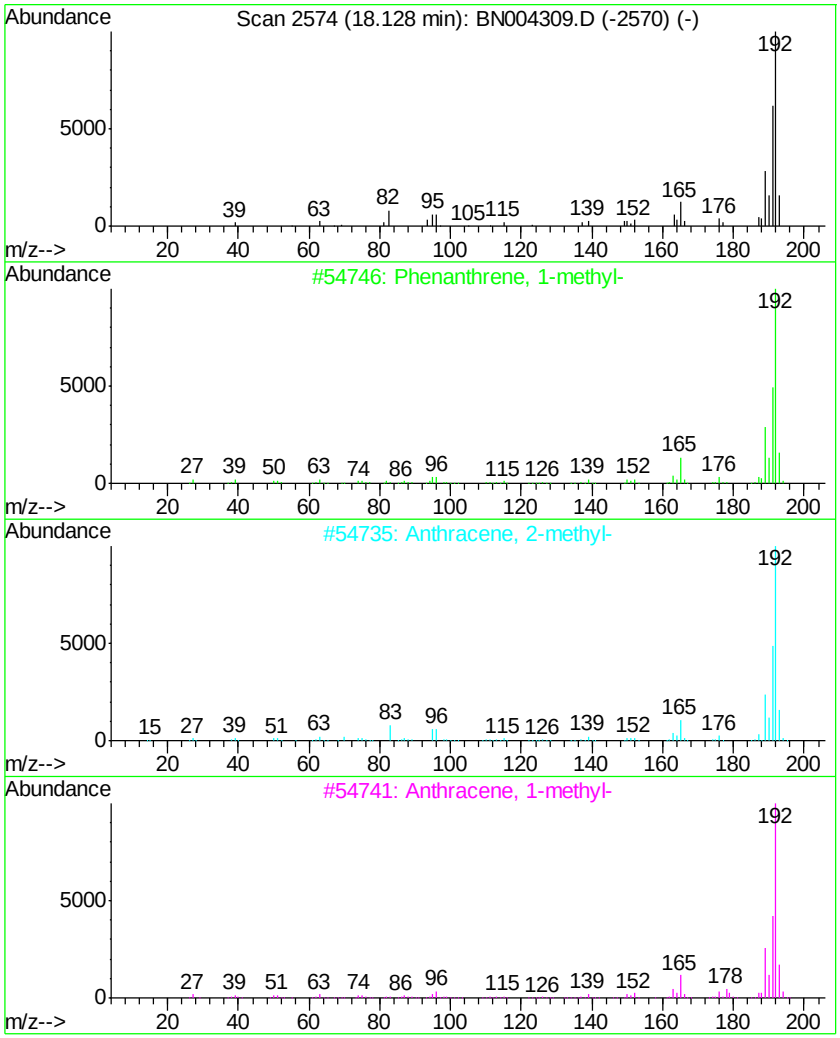
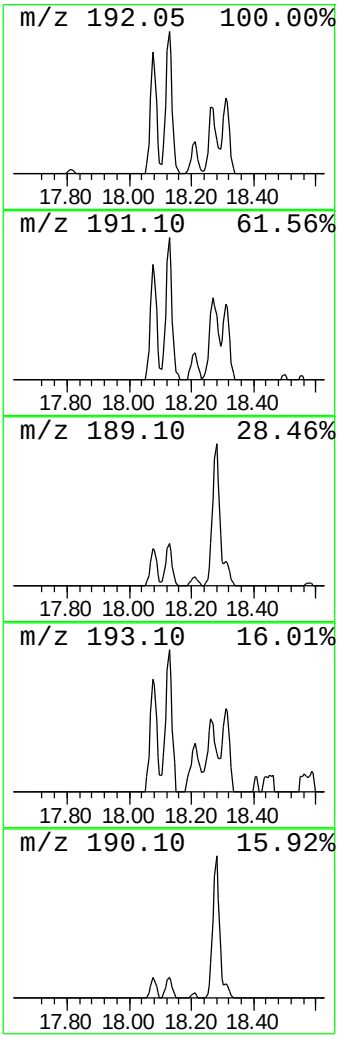
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	3.12 ng/ul	75478	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Library Search Compound Report

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Misc : GCMS Confirmation
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T5

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

TIC Library : C:\Database\NIST11.L
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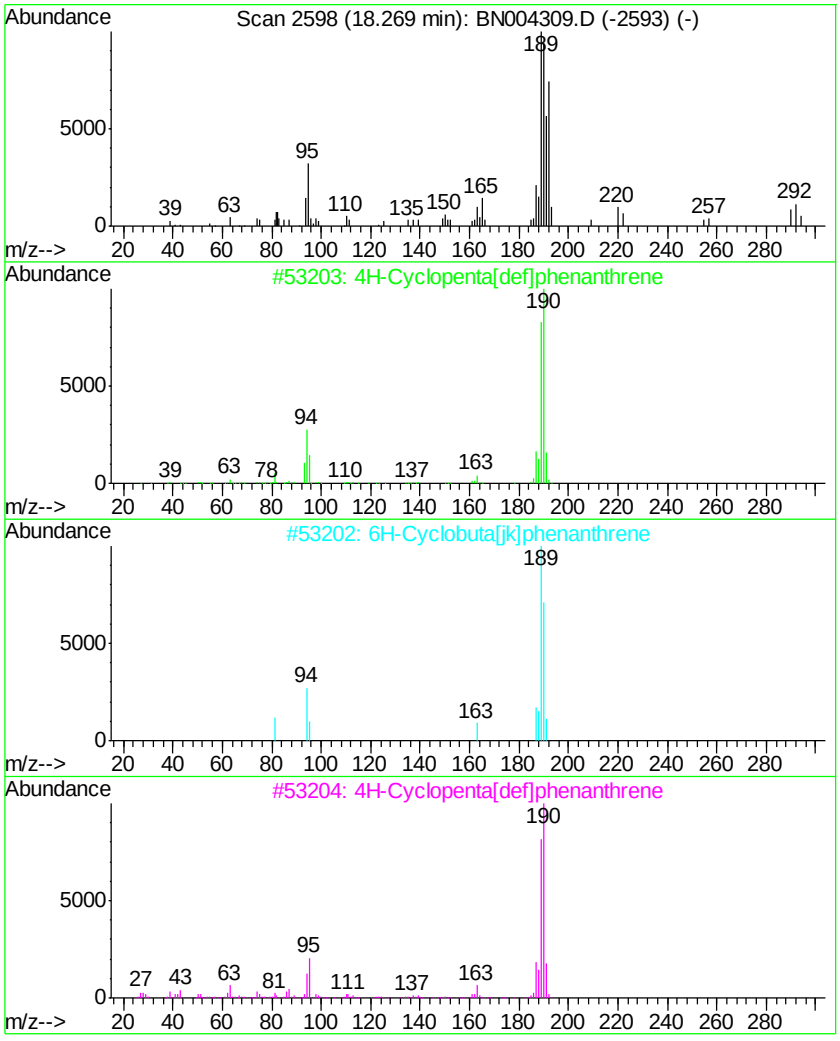
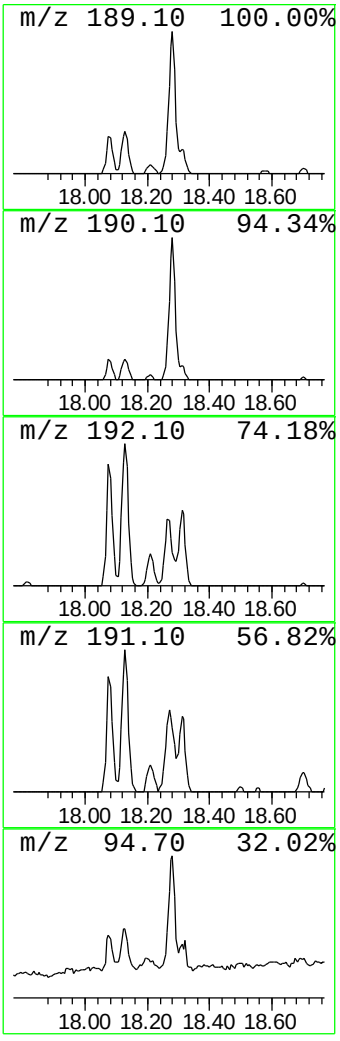
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	5.44 ng/ul	131669	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
4	Methyl diselenide	190	C2H6Se2	007101-31-7	60
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52





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

TIC Library : C:\Database\NIST11.L
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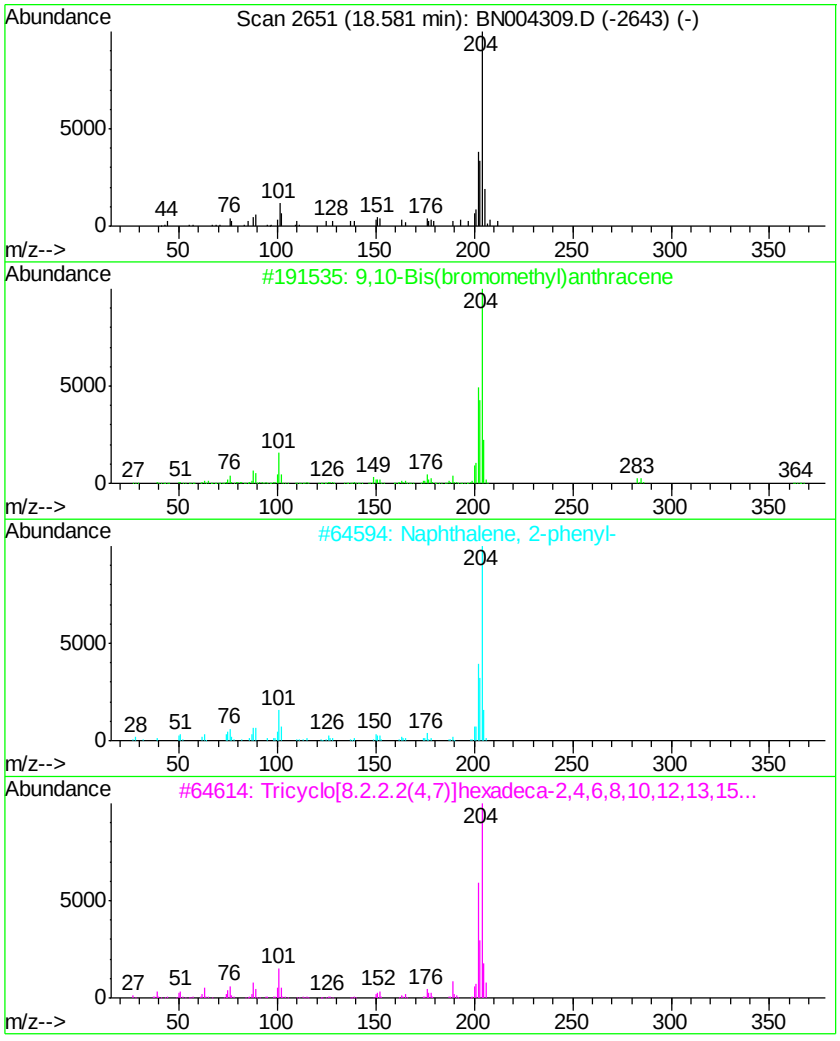
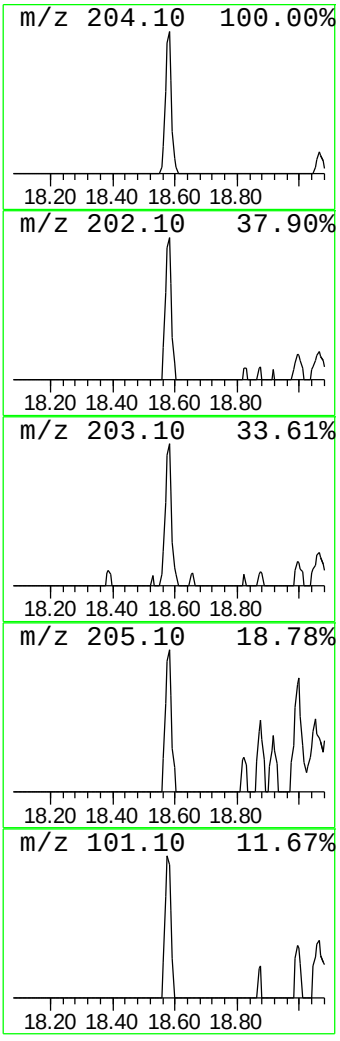
****

Peak Number 5 9,10-Bis(bromomethyl)anthra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	2.75 ng/ul	66433	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	87
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	80





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Quant Title : SVOA CALIBRATION

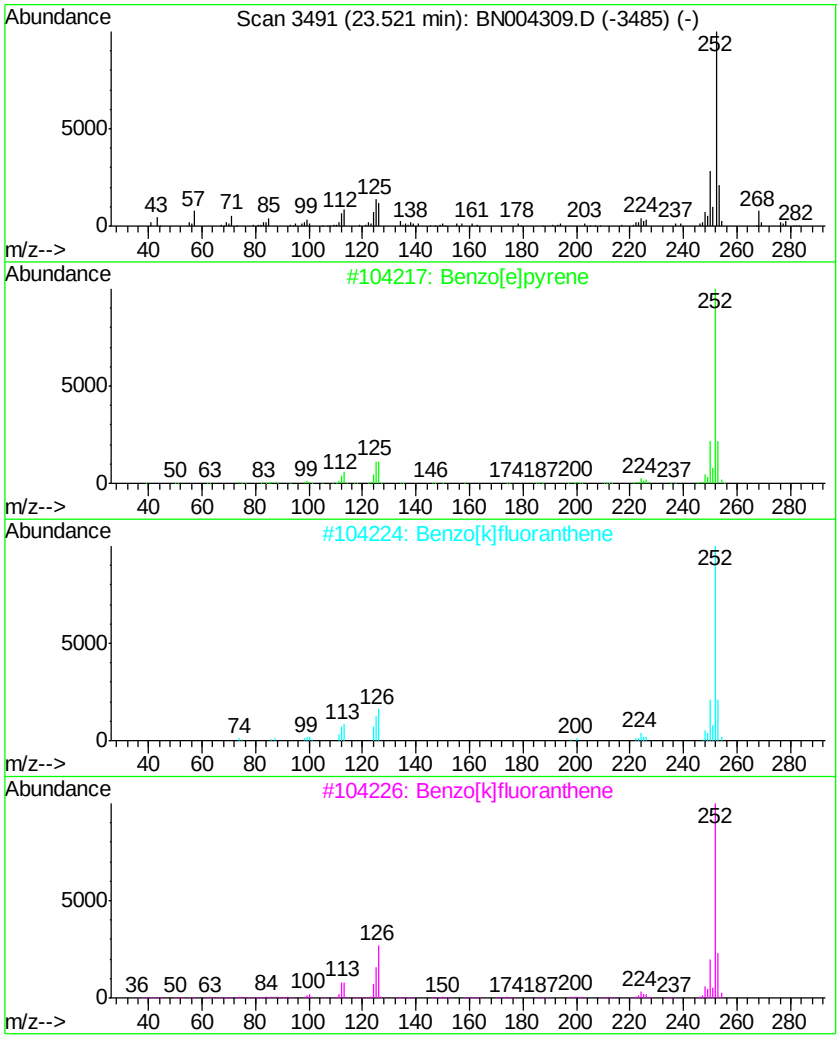
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

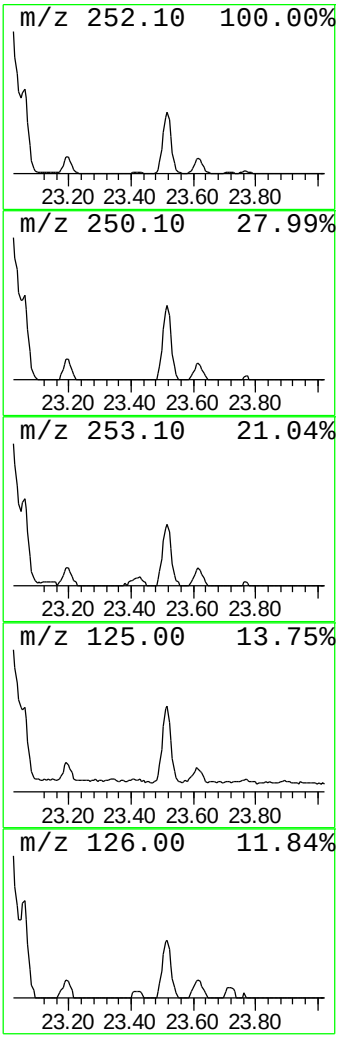
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.52	7.53 ng/ul	166482	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Perylene	252	C20H12	000198-55-0	94
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





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Data File : BN004309.D
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Operator : JU/SJ
Sample : J6428-02
Misc : GCMS Confirmation
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T5

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

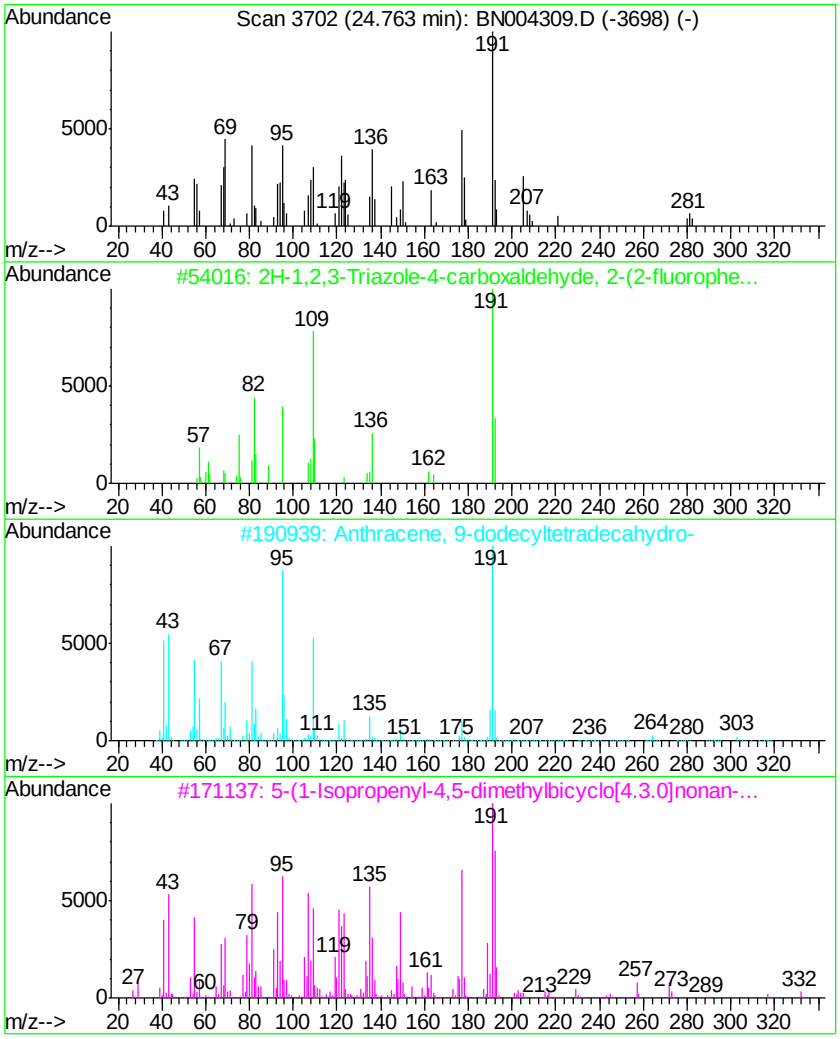
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

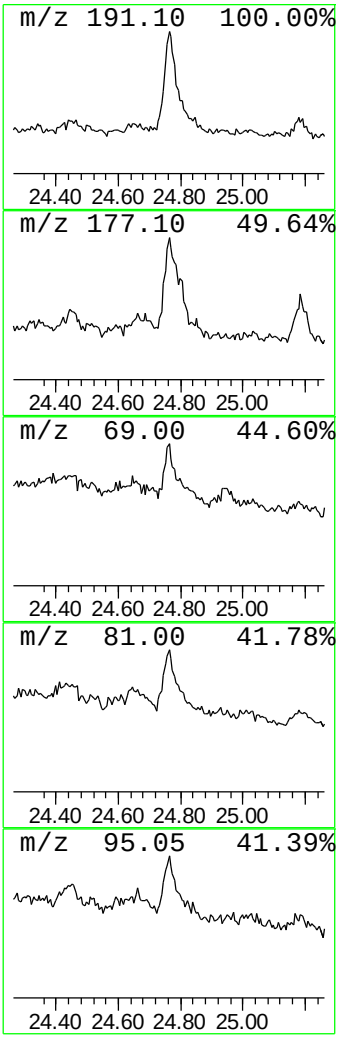
****

Peak Number 7 unknown24.76 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.76	2.03 ng/ul	44985	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	25
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	16
3	5-(1-Isopropenyl-4,5-dimethylbic...	332	C22H36O2	1000195-69-8	16
4	Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	16
5	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	12





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Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004309.D
Acq On : 02 Jan 2019 14:00
Operator : JU/SJ
Sample : J6428-02
Misc : GCMS Confirmation
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T5

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

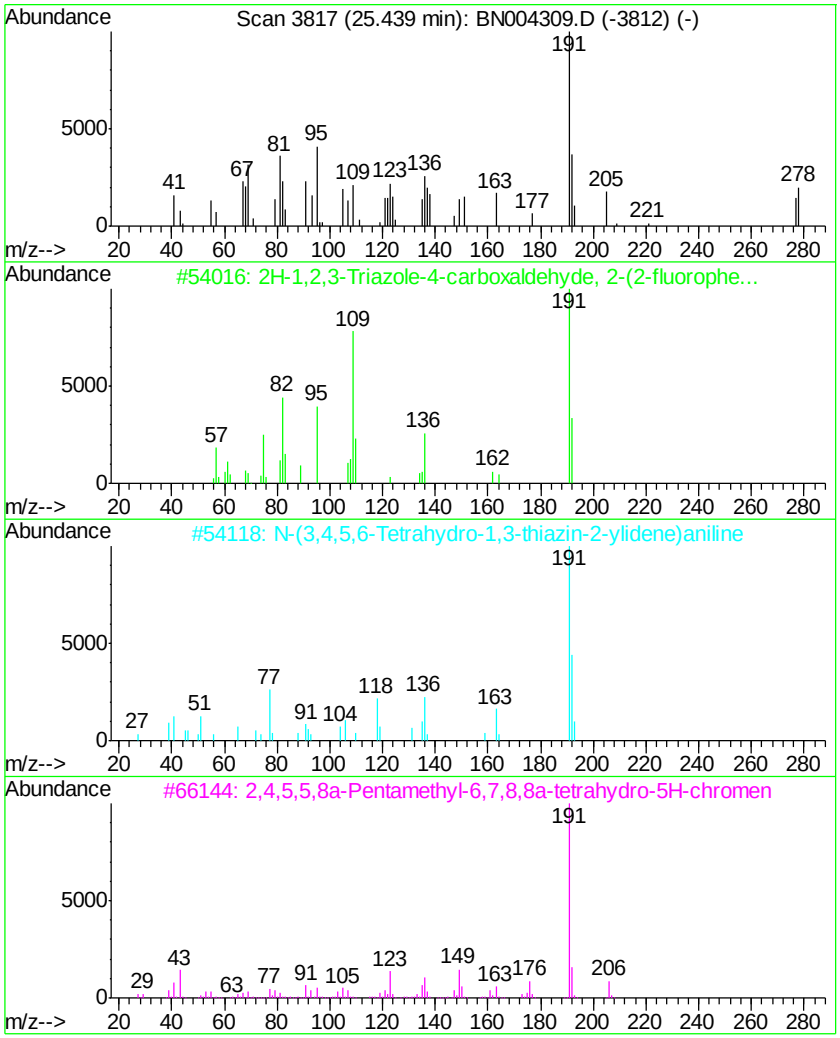
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

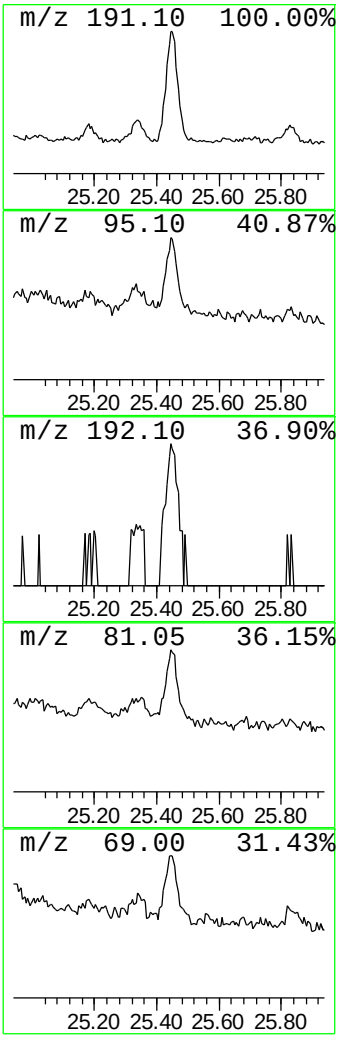
****

Peak Number 8 2H-1,2,3-Triazole-4-carboxa... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.44	2.01 ng/ul	44489	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	52
2	N-(3,4,5,6-Tetrahydro-1,3-thiazi...	192	C10H12N2S	003420-40-4	38
3	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	38
4	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	37
5	2-Phenylamino-5,6(4H)dihydro-1,3...	192	C10H12N2S	1000147-35-4	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004309.D
Acq On : 02 Jan 2019 14:00
Operator : JU/SJ
Sample : J6428-02
Misc : GCMS Confirmation
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41T5

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	10.5	ng/ul	77555	1	7.82	147701	20.0
Anthracene, 2-met...	18.07	2.6	ng/ul	62076	4	17.20	483751	20.0
Phenanthrene, 1-m...	18.13	3.1	ng/ul	75478	4	17.20	483751	20.0
4H-Cyclopenta[def...	18.27	5.4	ng/ul	131669	4	17.20	483751	20.0
9,10-Bis(bromomet...	18.58	2.8	ng/ul	66433	4	17.20	483751	20.0
Benzo[e]pyrene	23.52	7.5	ng/ul	166482	6	23.72	442446	20.0
unknown24.76	24.76	2.0	ng/ul	44985	6	23.72	442446	20.0
2H-1,2,3-Triazole...	25.44	2.0	ng/ul	44489	6	23.72	442446	20.0