LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004292.D
Acq On : 29 Dec 2018 09:42
Operator : JU/SJ
Sample : J6432-07
Misc : GCMS Confirmation
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41Y6

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	41	rVB	71779	81316	7.27%	0.985%
2	6.422	579	584	588	rBB	15130	19137	1.71%	0.232%
3	6.587	608	612	617	rBB	14553	17986	1.61%	0.218%
4	7.028	679	687	692	rBB2	16031	23721	2.12%	0.287%
5	7.816	815	821	829	rBB	100604	151377	13.53%	1.833%
6	10.610	1290	1296	1302	rBV	146467	248960	22.26%	3.015%
7	10.663	1302	1305	1312	rVB	8053	12083	1.08%	0.146%
8	11.004	1357	1363	1370	rBB	128107	187515	16.77%	2.271%
9	14.457	1943	1950	1957	rBV2	269550	406019	36.30%	4.917%
10	14.522	1957	1961	1966	rVB	23003	32058	2.87%	0.388%
11	14.857	2014	2018	2025	rBB	14634	20221	1.81%	0.245%
12	15.504	2123	2128	2135	rBB	26246	37736	3.37%	0.457%
13	15.692	2156	2160	2168	rVB	22639	28970	2.59%	0.351%
14	15.945	2199	2203	2210	rBB	7825	14070	1.26%	0.170%
15	17.028	2382	2387	2392	rVB	14249	19986	1.79%	0.242%
16	17.204	2411	2417	2421	rBV2	357011	510509	45.64%	6.182%
17	17.245	2421	2424	2435	rVB	381656	538669	48.16%	6.523%
18	17.339	2435	2440	2445	rBV	63913	83740	7.49%	1.014%
19	18.075	2559	2565	2570	rBV	38412	52811	4.72%	0.640%
20	18.128	2570	2574	2583	rVB2	52545	77289	6.91%	0.936%
21	18.210	2583	2588	2593	rBV	14805	20587	1.84%	0.249%
22	18.275	2593	2599	2603	rVV2	57696	104532	9.35%	1.266%
23	18.310	2603	2605	2611	rVB	26130	31042	2.78%	0.376%
24	18.580	2646	2651	2656	rBV	29294	38713	3.46%	0.469%
25	18.992	2716	2721	2726	rBV	18571	28040	2.51%	0.340%
26	19.063	2726	2733	2735	rBV3	8665	17112	1.53%	0.207%
27	19.263	2761	2767	2774	rBV	595233	804232	71.91%	9.739%
28	19.510	2803	2809	2817	rBV	14329	20867	1.87%	0.253%
29	19.592	2817	2823	2826	rBV2	82738	139602	12.48%	1.691%
30	19.627	2826	2829	2836	rVV	432540	574917	51.40%	6.962%
31	19.698	2836	2841	2846	rVB	23409	33474	2.99%	0.405%
32	19.810	2850	2860	2864	rVV	27464	41711	3.73%	0.505%
33	19.963	2878	2886	2892	rBV2	30848	57672	5.16%	0.698%
34	20.104	2901	2910	2911	rBV2	42458	70952	6.34%	0.859%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004292.D
Acq On : 29 Dec 2018 09:42
Operator : JU/SJ
Sample : J6432-07
Misc : GCMS Confirmation
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41Y6

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	20.122	2911	2913	2918	rVB	54356	63531	5.68%	0.769%
36	20.222	2926	2930	2934	rBV	34808	45475	4.07%	0.551%
37	20.280	2934	2940	2944	rVV3	34746	67995	6.08%	0.823%
38	20.316	2944	2946	2950	rVV	15891	18121	1.62%	0.219%
39	20.374	2950	2956	2960	rVV3	24124	41282	3.69%	0.500%
40	20.422	2960	2964	2968	rVV	19092	28460	2.54%	0.345%
41	20.469	2968	2972	2975	rVV2	23850	33458	2.99%	0.405%
42	20.674	3003	3007	3008	rBV2	10835	11818	1.06%	0.143%
43	20.698	3008	3011	3016	rVV3	18043	25549	2.28%	0.309%
44	20.751	3016	3020	3023	rVV3	8746	13719	1.23%	0.166%
45	20.839	3029	3035	3038	rBV4	14502	20169	1.80%	0.244%
46	20.874	3038	3041	3044	rBV	14000	15214	1.36%	0.184%
47	21.039	3065	3069	3072	rBV	34424	43213	3.86%	0.523%
48	21.074	3072	3075	3078	rVV	45290	52030	4.65%	0.630%
49	21.116	3078	3082	3086	rVB	43994	50886	4.55%	0.616%
50	21.280	3106	3110	3117	rVB2	17516	23849	2.13%	0.289%
51	21.392	3120	3129	3133	rBV2	596787	1118440	100.00%	13.545%
52	21.427	3133	3135	3145	rVV	243660	308155	27.55%	3.732%
53	21.551	3152	3156	3160	rBV2	12250	16110	1.44%	0.195%
54	21.898	3211	3215	3218	rBV	9311	13748	1.23%	0.166%
55	21.951	3218	3224	3228	rVV2	41280	68164	6.09%	0.825%
56	22.004	3231	3233	3240	rVB	23915	28096	2.51%	0.340%
57	22.074	3241	3245	3248	rBV2	12745	18279	1.63%	0.221%
58	22.163	3255	3260	3264	rBV2	18193	36141	3.23%	0.438%
59	22.257	3272	3276	3283	rVB2	13238	20998	1.88%	0.254%
60	23.010	3398	3404	3409	rBV	159477	352750	31.54%	4.272%
61	23.186	3430	3434	3440	rVB	24828	41365	3.70%	0.501%
62	23.510	3483	3489	3496	rVB	90602	167300	14.96%	2.026%
63	23.610	3499	3506	3513	rVB	74534	144220	12.89%	1.747%
64	23.710	3516	3523	3530	rBV2	296465	578068	51.69%	7.001%
65	26.068	3916	3924	3935	rVB	39272	120359	10.76%	1.458%
66	26.345	3966	3971	3978	rVB3	11596	30637	2.74%	0.371%
67	26.451	3982	3989	4000	rVB8	8975	30038	2.69%	0.364%
68	26.804	4041	4049	4059	rBV	20492	62222	5.56%	0.754%

Sum of corrected areas: 8257485

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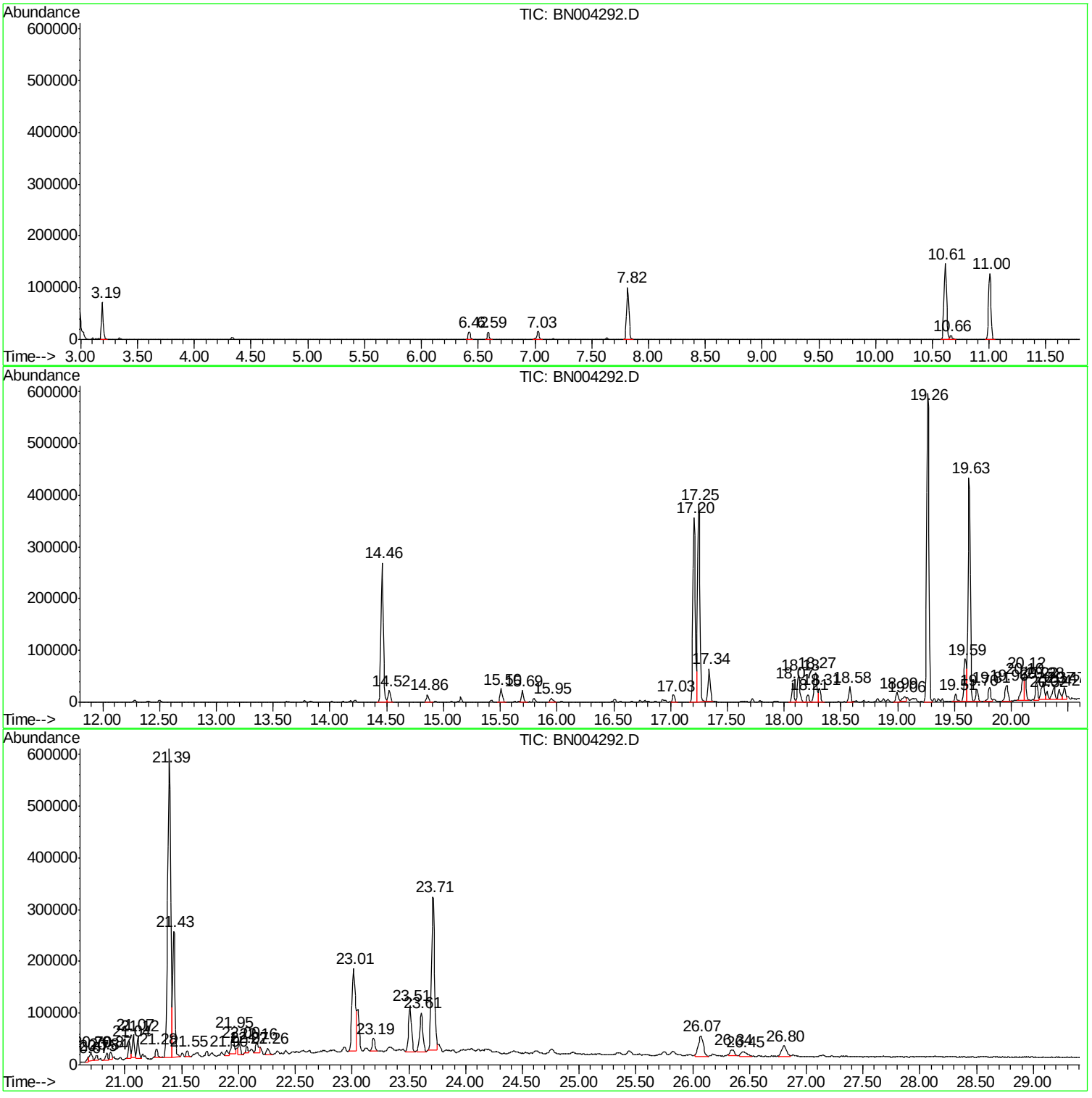
Misc : GCMS Confirmation
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A41Y6

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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Data File : BN004292.D
Acq On : 29 Dec 2018 09:42
Operator : JU/SJ
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Quant Title : SVOA CALIBRATION

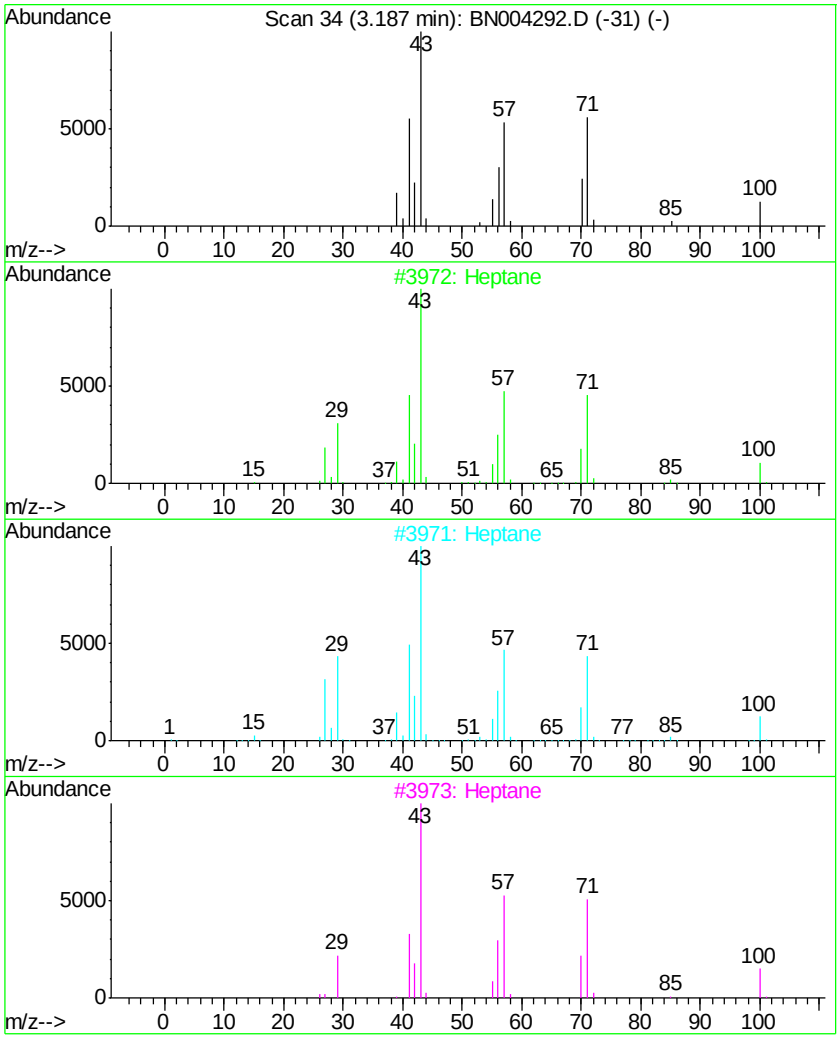
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

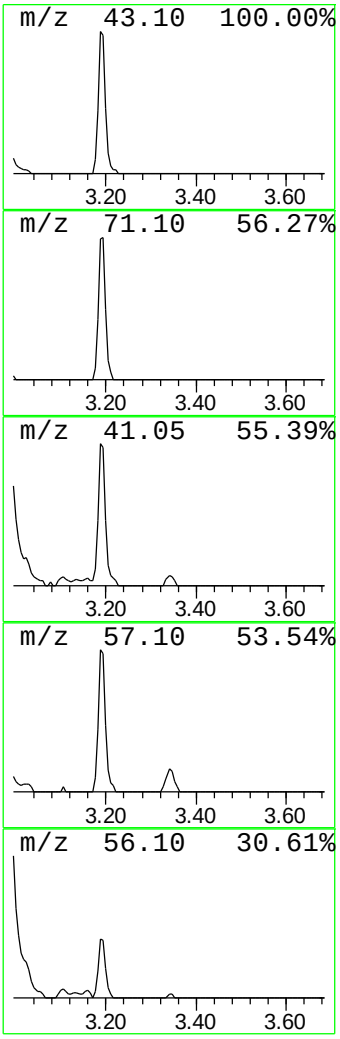
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	10.74 ng/ul	81316	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





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004292.D
Acq On : 29 Dec 2018 09:42
Operator : JU/SJ
Sample : J6432-07
Misc : GCMS Confirmation
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41Y6

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

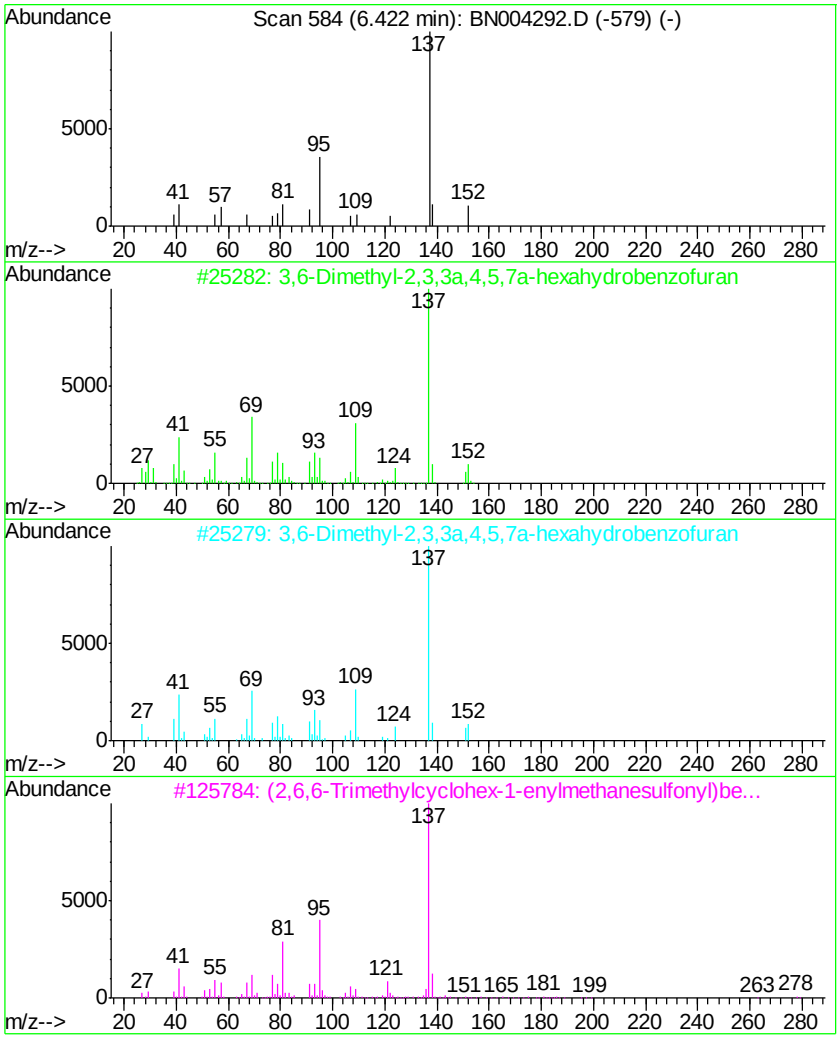
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

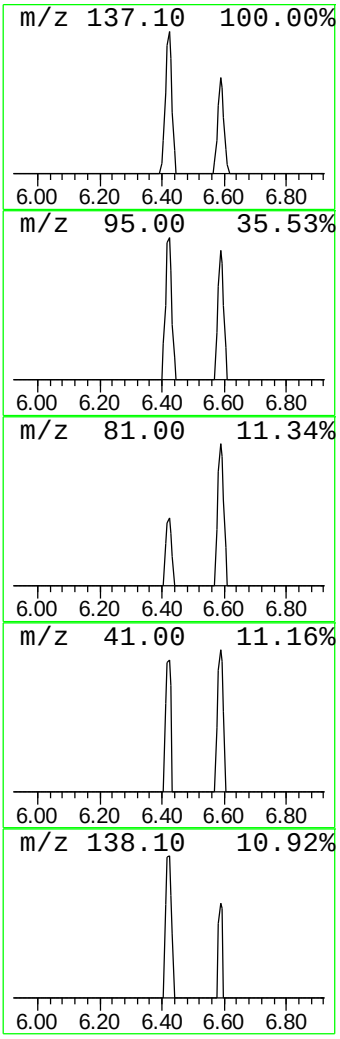
****

Peak Number 2 3,6-Dimethyl-2,3,3a,4,5,7a-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	2.53 ng/ul	19137	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dimethyl-2,3,3a,4,5,7a-hexah...	152	C10H16O	070786-44-6	59
2	3,6-Dimethyl-2,3,3a,4,5,7a-hexah...	152	C10H16O	070786-44-6	53
3	(2,6,6-Trimethylcyclohex-1-enylm...	278	C16H22O2S	056691-74-8	45
4	4-Fluorophenyl isocyanate	137	C7H4FNO	001195-45-5	40
5	5-Isopropyl-3,3-dimethyl-2-methy...	152	C10H16O	081250-44-4	37





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004292.D
Acq On : 29 Dec 2018 09:42
Operator : JU/SJ
Sample : J6432-07
Misc : GCMS Confirmation
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41Y6

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

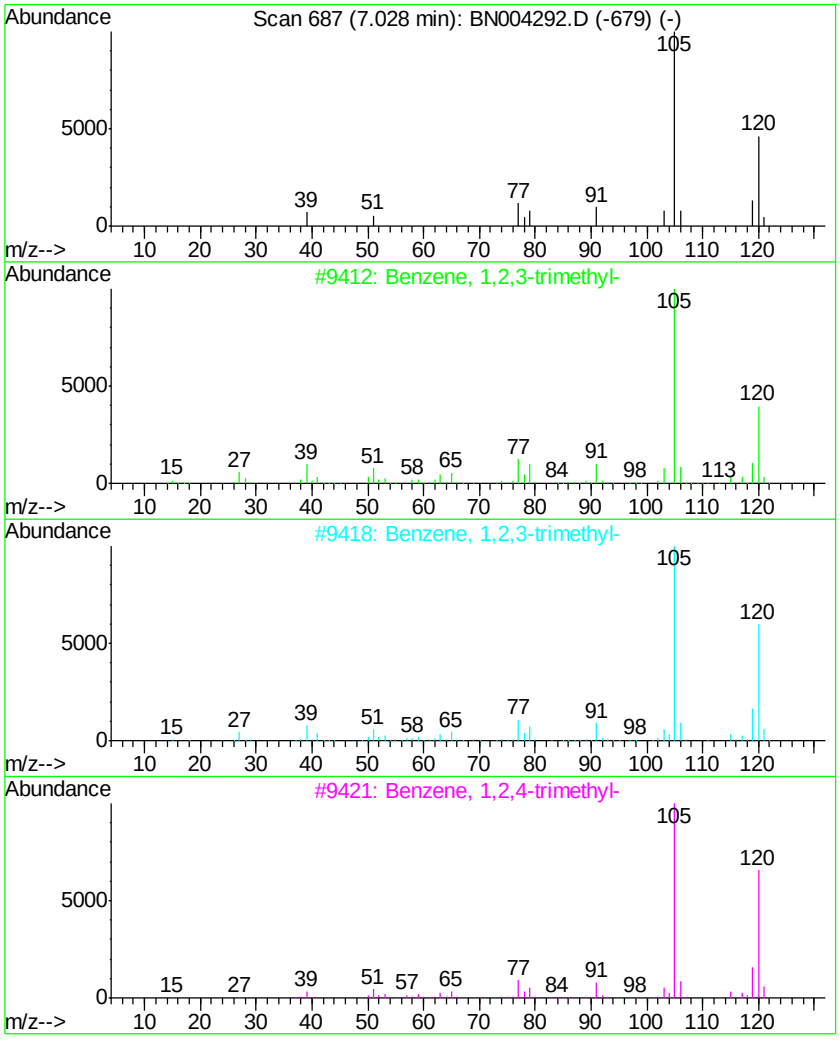
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

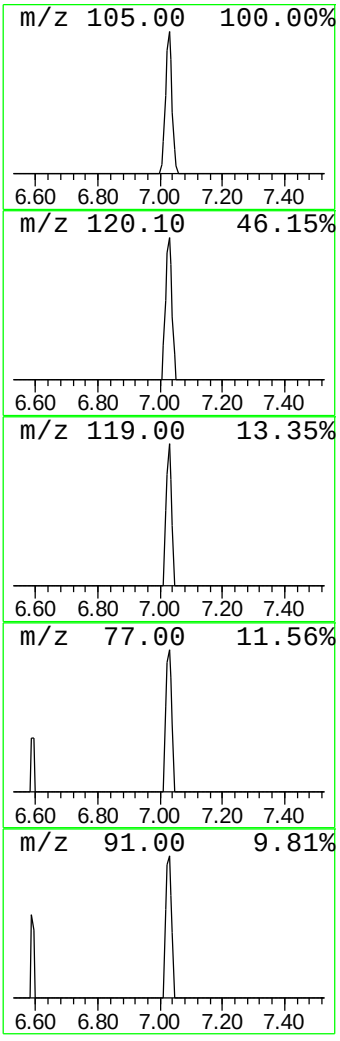
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	3.13 ng/ul	23721	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004292.D
Acq On : 29 Dec 2018 09:42
Operator : JU/SJ
Sample : J6432-07
Misc : GCMS Confirmation
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41Y6

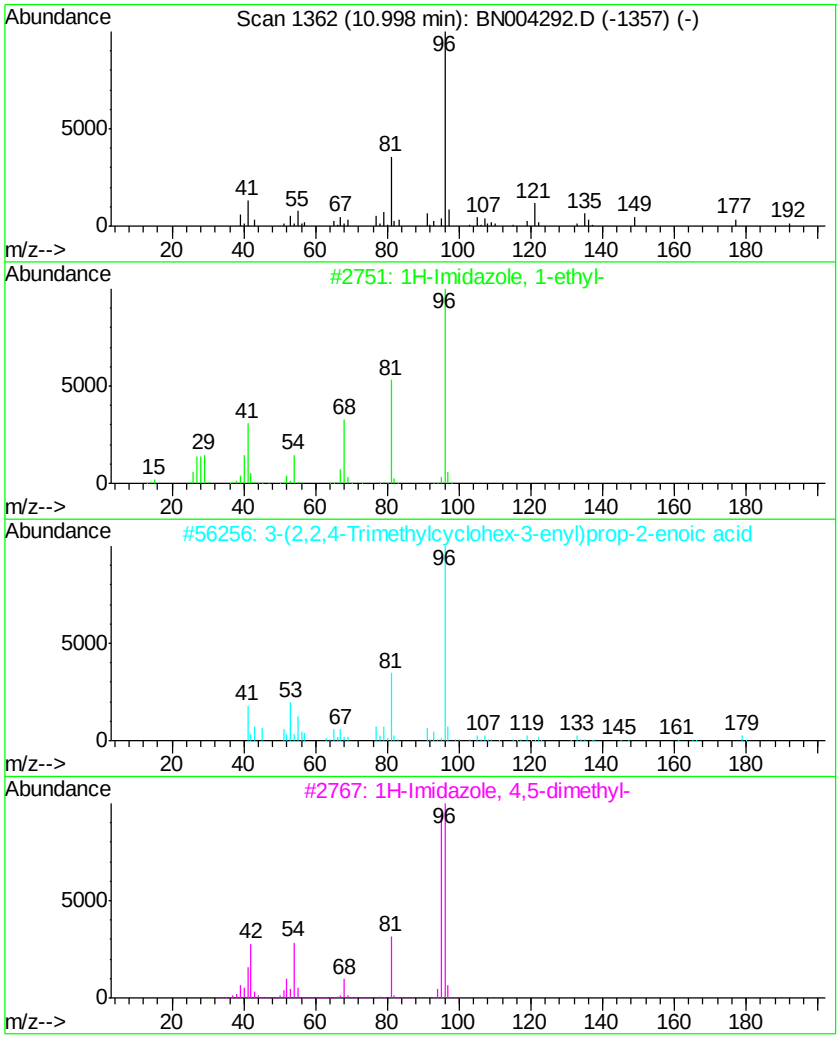
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION

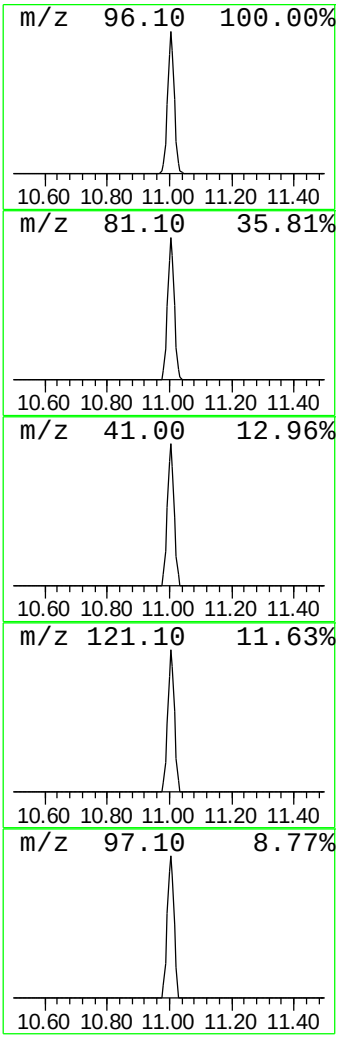
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Imidazole, 1-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	15.06 ng/ul	187515	Naphthalene-d8	10.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazole, 1-ethyl-	96	C5H8N2	007098-07-9	58
2	3-(2,2,4-Trimethylcyclohex-3-eny...	194	C12H18O2	1000215-26-6	53
3	1H-Imidazole, 4,5-dimethyl-	96	C5H8N2	002302-39-8	50
4	9-Methyl-11-oxo-1,6-diazatricycl...	180	C10H16N2O	111197-37-6	42
5	4(1H)-Pyrimidinone	96	C4H4N2O	004562-27-0	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004292.D
Acq On : 29 Dec 2018 09:42
Operator : JU/SJ
Sample : J6432-07
Misc : GCMS Confirmation
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41Y6

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

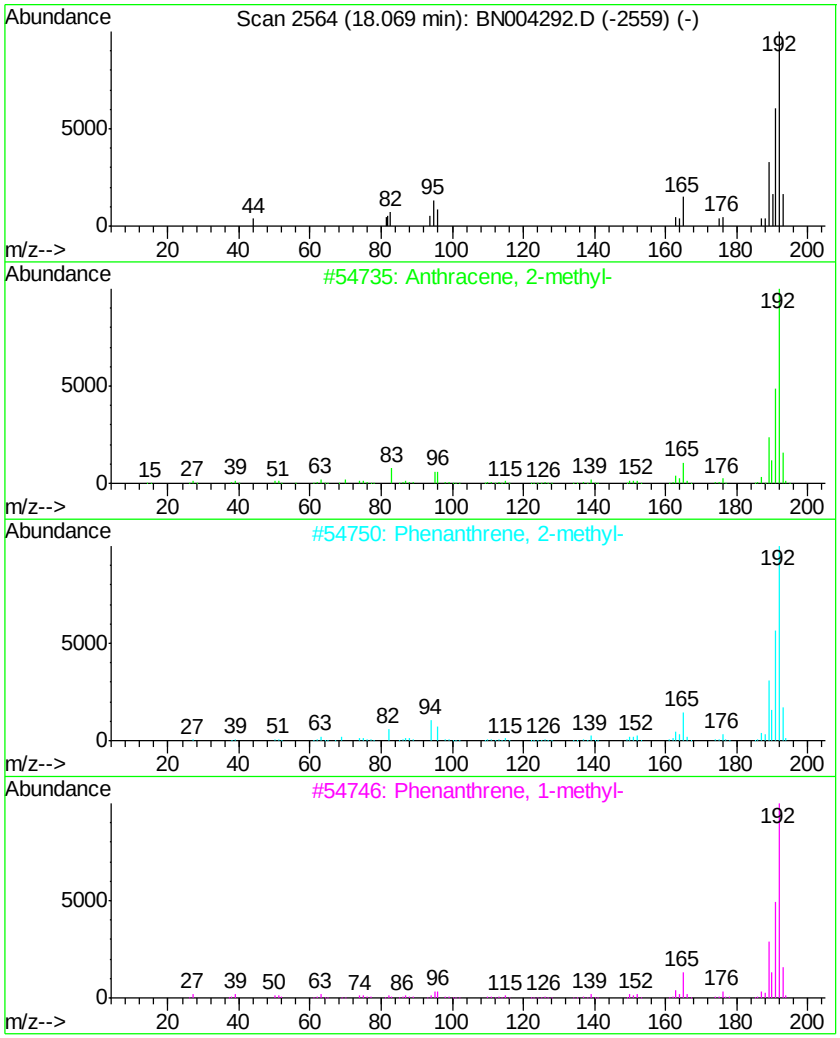
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

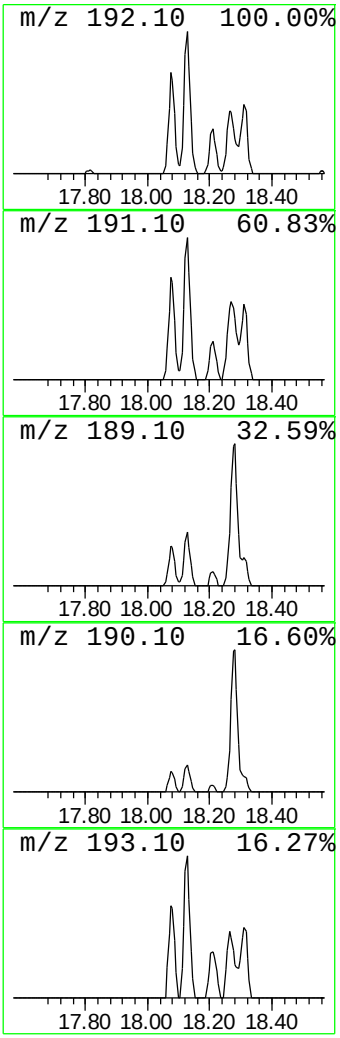
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.07 ng/ul	52811	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004292.D
Acq On : 29 Dec 2018 09:42
Operator : JU/SJ
Sample : J6432-07
Misc : GCMS Confirmation
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41Y6

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

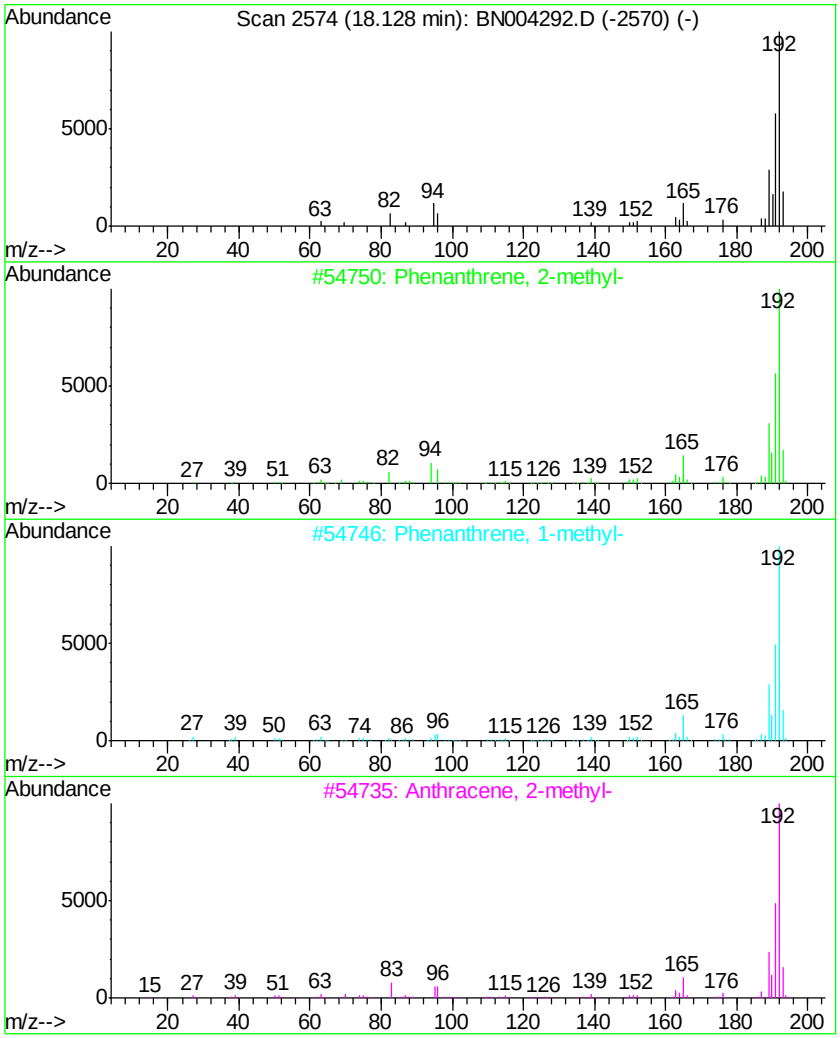
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

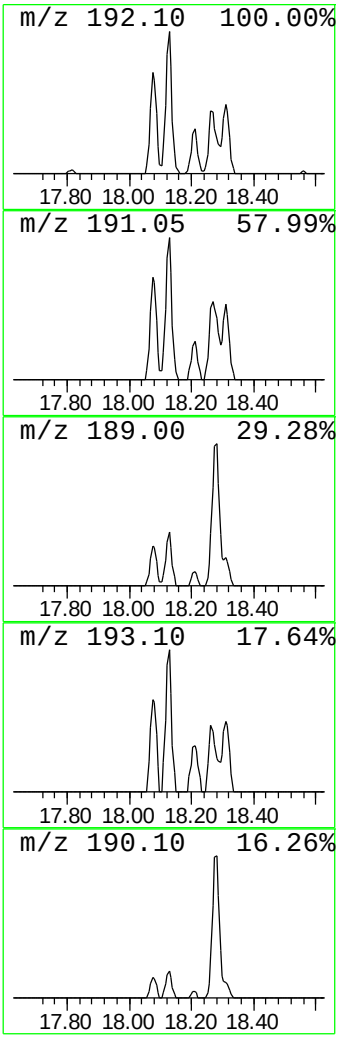
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	3.03 ng/ul	77289	Phenanthrene-d10	17.20

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122918\
Data File : BN004292.D
Acq On : 29 Dec 2018 09:42
Operator : JU/SJ
Sample : J6432-07
Misc : GCMS Confirmation
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41Y6

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

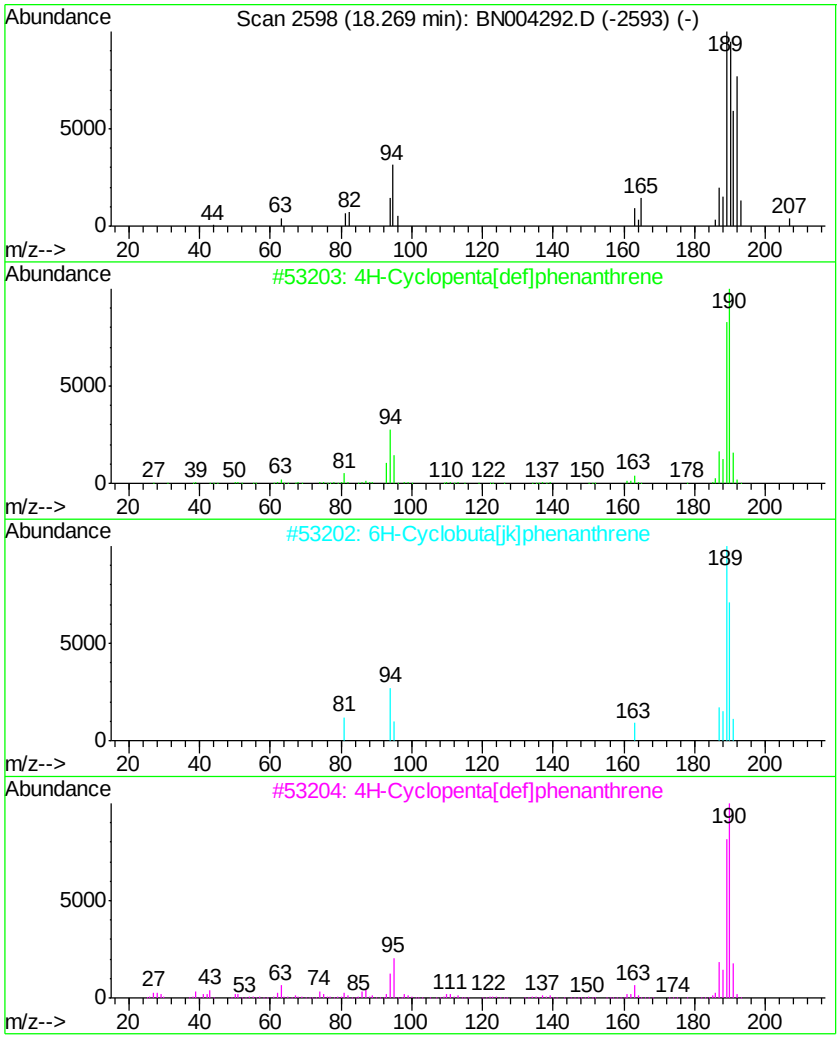
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

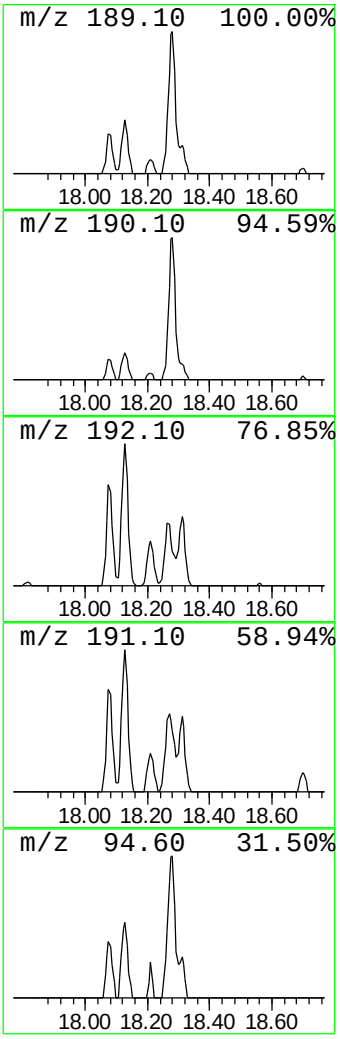
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	4.10 ng/ul	104532	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	58
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
5	Methyl diselenide	190	C2H6Se2	007101-31-7	43





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Data File : BN004292.D
Acq On : 29 Dec 2018 09:42
Operator : JU/SJ
Sample : J6432-07
Misc : GCMS Confirmation
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41Y6

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Quant Title : SVOA CALIBRATION

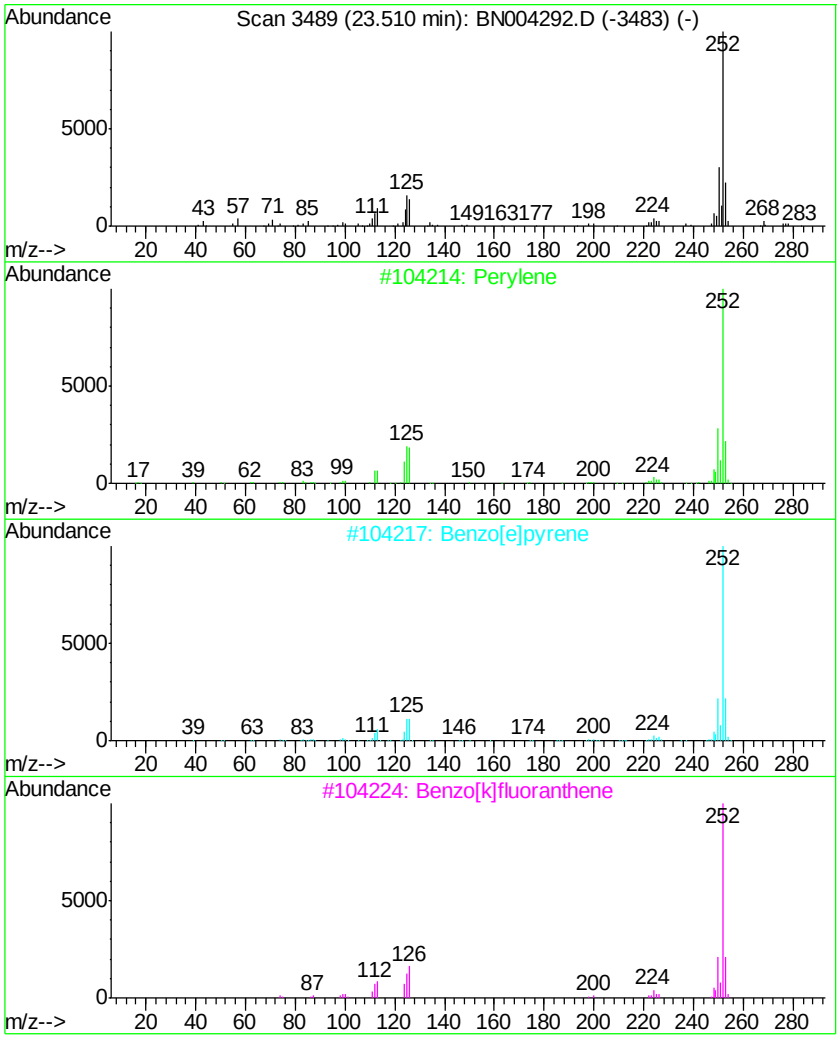
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

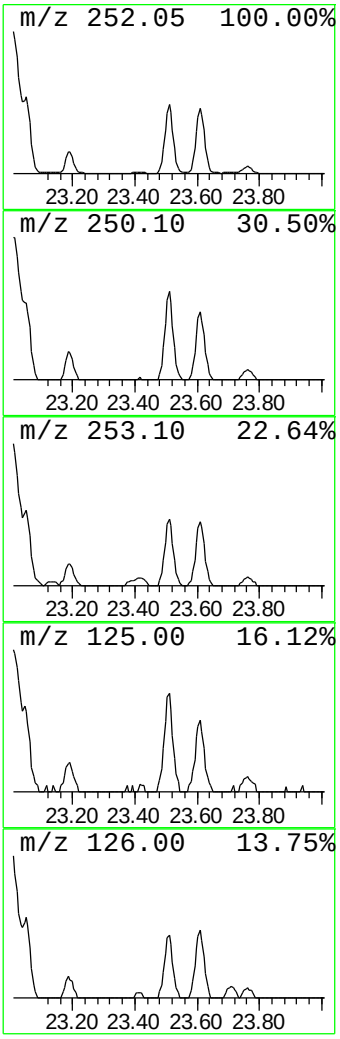
****

Peak Number 9 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.51	5.79 ng/ul	167300	Perylene-d12	23.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4	Perylene	252	C20H12	000198-55-0	97
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 : BN004292.D
Acq On : 29 Dec 2018 09:42
Operator : JU/SJ
Sample : J6432-07
Misc : GCMS Confirmation
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A41Y6

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	10.7	ng/ul	81316	1	7.82	151377	20.0
3,6-Dimethyl-2,3,...	6.42	2.5	ng/ul	19137	1	7.82	151377	20.0
Benzene, 1,2,3-tr...	7.03	3.1	ng/ul	23721	1	7.82	151377	20.0
1H-Imidazole, 1-e...	11.00	15.1	ng/ul	187515	2	10.61	248960	20.0
Anthracene, 2-met...	18.07	2.1	ng/ul	52811	4	17.20	510509	20.0
Phenanthrene, 2-m...	18.13	3.0	ng/ul	77289	4	17.20	510509	20.0
4H-Cyclopenta[def...	18.27	4.1	ng/ul	104532	4	17.20	510509	20.0
Perylene	23.51	5.8	ng/ul	167300	6	23.72	578068	20.0