LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.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	3.022	3	6	12	rVB	654018	823326	1.87%	0.192%
2	6.881	655	662	674	rBV	661856	1162560	2.64%	0.271%
3	7.052	685	691	697	rBV	485629	751744	1.71%	0.175%
4	7.246	717	724	731	rVB	646736	1014124	2.30%	0.236%
5	7.710	795	803	810	rBV	2682537	4289292	9.73%	0.999%
6	8.410	915	922	929	rBV	812293	1328821	3.02%	0.310%
7	8.857	990	998	1009	rVB	599319	1019508	2.31%	0.237%
8	9.569	1113	1119	1132	rBV	494644	824174	1.87%	0.192%
9	10.104	1203	1210	1220	rBV	866764	1454062	3.30%	0.339%
10	10.481	1266	1274	1281	rBV	3805564	6617437	15.02%	1.541%
11	10.616	1290	1297	1310	rVV	573207	1031646	2.34%	0.240%
12	13.245	1737	1744	1751	rBV	421920	688289	1.56%	0.160%
13	13.751	1824	1830	1834	rBV	1479061	2051868	4.66%	0.478%
14	13.798	1834	1838	1843	rVB	852944	1176589	2.67%	0.274%
15	14.028	1869	1877	1880	rBV	1739742	2882302	6.54%	0.671%
16	14.057	1880	1882	1898	rVV	1341343	1724180	3.91%	0.402%
17	14.339	1921	1930	1937	rVV2	5427811	8308578	18.86%	1.935%
18	14.398	1937	1940	1949	rVB	125341	193763	0.44%	0.045%
19	14.539	1956	1964	1972	rBV2	479639	816933	1.85%	0.190%
20	15.210	2074	2078	2083	rVB	146863	190240	0.43%	0.044%
21	15.334	2092	2099	2105	rBV	2184898	3180795	7.22%	0.741%
22	15.451	2114	2119	2127	rVB	419633	585745	1.33%	0.136%
23	16.057	2216	2222	2227	rBV3	386454	728364	1.65%	0.170%
24	16.663	2320	2325	2334	rVB3	144437	257702	0.58%	0.060%
25	16.739	2334	2338	2344	rBV2	131281	208008	0.47%	0.048%
26	17.086	2390	2397	2401	rBV2	5887306	8709546	19.77%	2.029%
27	17.122	2401	2403	2408	rVV	817634	1038631	2.36%	0.242%
28	17.181	2408	2413	2416	rVV2	2151052	3144098	7.14%	0.732%
29	17.216	2416	2419	2424	rVV	1852526	2524352	5.73%	0.588%
30	17.275	2424	2429	2436	rVB	279306	457564	1.04%	0.107%
31	17.486	2457	2465	2469	rBV	547761	892295	2.03%	0.208%
32	17.528	2469	2472	2476	rBV	165037	216962	0.49%	0.051%
33	17.604	2481	2485	2491	rVB2	293687	396562	0.90%	0.092%
34	17.957	2538	2545	2548	rBV2	205520	376132	0.85%	0.088%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Title : SVOA CALIBRATION

35	17.998	2548	2552	2561	rVB2	551478	1077870	2.45%	0.251%
36	18.086	2561	2567	2571	rBV2	499069	770588	1.75%	0.179%
37	18.157	2572	2579	2583	rBV3	618004	1314775	2.98%	0.306%
38	18.351	2609	2612	2617	rVB4	205952	275566	0.63%	0.064%
39	18.463	2628	2631	2634	rVV	276723	294090	0.67%	0.068%
40	18.504	2634	2638	2643	rVB2	402236	568809	1.29%	0.132%
41	18.710	2671	2673	2677	rVB3	300113	309740	0.70%	0.072%
42	18.798	2685	2688	2693	rBV	349174	496725	1.13%	0.116%
43	18.880	2698	2702	2708	rVB2	699010	1086960	2.47%	0.253%
44	19.022	2722	2726	2734	rVB	1939261	2895321	6.57%	0.674%
45	19.151	2742	2748	2755	rVB	16892288	24125588	54.75%	5.619%
46	19.216	2756	2759	2762	rBV	312458	442511	1.00%	0.103%
47	19.245	2762	2764	2768	rVB3	336485	386156	0.88%	0.090%
48	19.298	2768	2773	2777	rVB	651308	1006190	2.28%	0.234%
49	19.345	2777	2781	2783	rBV4	205787	330954	0.75%	0.077%
50	19.392	2785	2789	2792	rVB	472735	613041	1.39%	0.143%
51	19.486	2799	2805	2806	rBV2	4251157	5756219	13.06%	1.341%
52	19.516	2806	2810	2817	rVV	23022958	34012490	77.19%	7.922%
53	19.592	2818	2823	2829	rVV3	775110	1699654	3.86%	0.396%
54	19.692	2836	2840	2846	rBV	980772	1765326	4.01%	0.411%
55	19.751	2846	2850	2855	rVV2	1476245	2286571	5.19%	0.533%
56	19.839	2859	2865	2872	rBV3	2412572	5556054	12.61%	1.294%
57	19.974	2883	2888	2890	rBV3	2406371	3883170	8.81%	0.904%
58	20.057	2899	2902	2906	rBV3	432209	667240	1.51%	0.155%
59	20.110	2908	2911	2914	rVV2	911094	1110573	2.52%	0.259%
60	20.169	2915	2921	2925	rVV2	3535200	6143549	13.94%	1.431%
61	20.210	2925	2928	2931	rVV	867254	1133104	2.57%	0.264%
62	20.251	2932	2935	2940	rVB	569367	880426	2.00%	0.205%
63	20.310	2941	2945	2949	rBV	2463061	3343589	7.59%	0.779%
64	20.357	2949	2953	2957	rVB3	1602886	2344858	5.32%	0.546%
65	20.480	2971	2974	2977	rVB2	569509	711776	1.62%	0.166%
66	20.569	2985	2989	2992	rBV3	695473	1292444	2.93%	0.301%
67	20.680	3005	3008	3011	rVB5	571422	639200	1.45%	0.149%
68	20.763	3018	3022	3029	rVB	3116108	4378788	9.94%	1.020%
69	20.857	3035	3038	3041	rVB	587889	722045	1.64%	0.168%
70	20.927	3044	3050	3054	rVV3	2938536	5512983	12.51%	1.284%
71	20.969	3054	3057	3060	rVV	2865873	3632136	8.24%	0.846%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Title : SVOA CALIBRATION

72	21.004	3060	3063	3068	rVV2	3537987	5430446	12.32%	1.265%
73	21.057	3069	3072	3081	rVB2	2204771	3563340	8.09%	0.830%
74	21.169	3084	3091	3096	rBV3	1086065	2544372	5.77%	0.593%
75	21.274	3100	3109	3115	rBV2	14981125	35981582	81.66%	8.381%
76	21.321	3115	3117	3128	rVB	11753118	16168734	36.69%	3.766%
77	21.404	3128	3131	3134	rVB2	587027	685496	1.56%	0.160%
78	21.439	3134	3137	3143	rBV2	1152025	2379845	5.40%	0.554%
79	21.592	3159	3163	3168	rBV2	2156689	3428232	7.78%	0.798%
80	21.645	3169	3172	3176	rBV2	1300521	1637583	3.72%	0.381%
81	21.780	3192	3195	3198	rBV	917718	1372419	3.11%	0.320%
82	21.833	3198	3204	3209	rVB	3246803	5836034	13.24%	1.359%
83	21.886	3210	3213	3218	rBV2	2192693	3053066	6.93%	0.711%
84	22.033	3234	3238	3241	rBV	1304781	1695553	3.85%	0.395%
85	22.133	3251	3255	3259	rVB2	1004226	1482660	3.36%	0.345%
86	22.310	3282	3285	3289	rVB2	919062	1172365	2.66%	0.273%
87	22.598	3328	3334	3345	rVB3	1981554	5518302	12.52%	1.285%
88	22.863	3371	3379	3384	rBV2	17885119	44063872	100.00%	10.263%
89	23.021	3401	3406	3412	rBV	2860824	4923198	11.17%	1.147%
90	23.157	3424	3429	3437	rBV	1397173	3637114	8.25%	0.847%
91	23.333	3452	3459	3465	rBV	10150010	19510863	44.28%	4.544%
92	23.427	3469	3475	3482	rVB	10720074	20443252	46.39%	4.762%
93	23.521	3483	3491	3495	rBV	3066303	6974464	15.83%	1.624%
94	23.568	3495	3499	3508	rVB2	3886669	8197730	18.60%	1.909%
95	24.063	3579	3583	3593	rVB3	761148	1628238	3.70%	0.379%
96	25.227	3775	3781	3789	rVB4	1605540	4032911	9.15%	0.939%
97	25.515	3826	3830	3840	rVB3	1492293	3518267	7.98%	0.819%
98	25.762	3862	3872	3883	rVB	6830929	20292829	46.05%	4.726%
99	26.015	3910	3915	3923	rVB2	786021	1738935	3.95%	0.405%
100	26.451	3978	3989	4002	rVB	4412936	13897231	31.54%	3.237%

Sum of corrected areas: 429342204

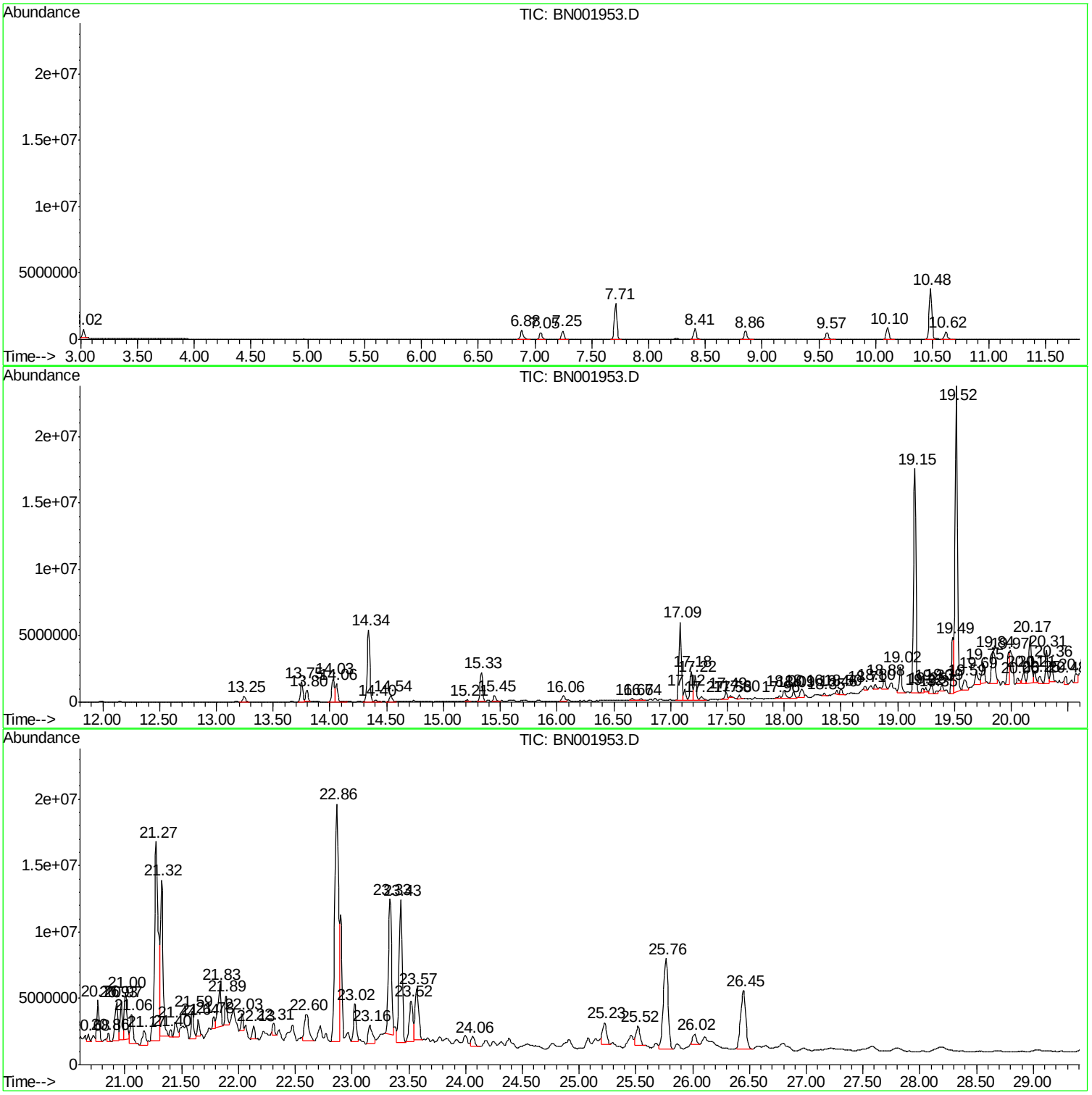
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

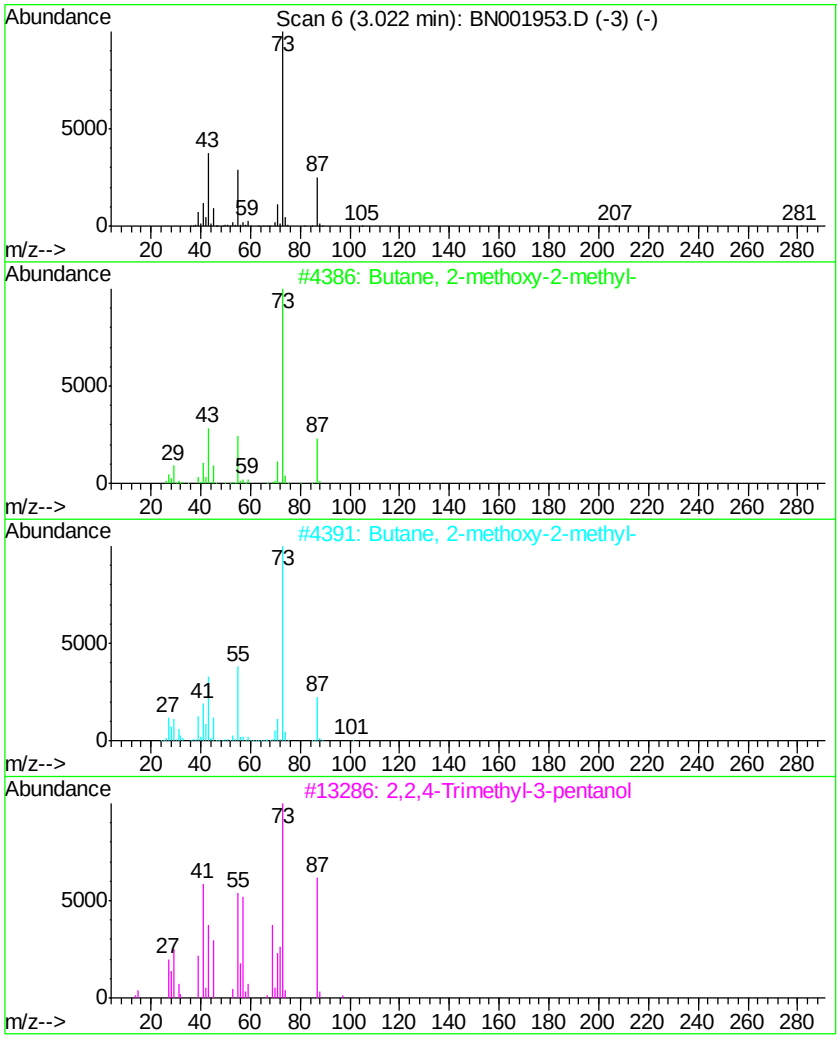
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

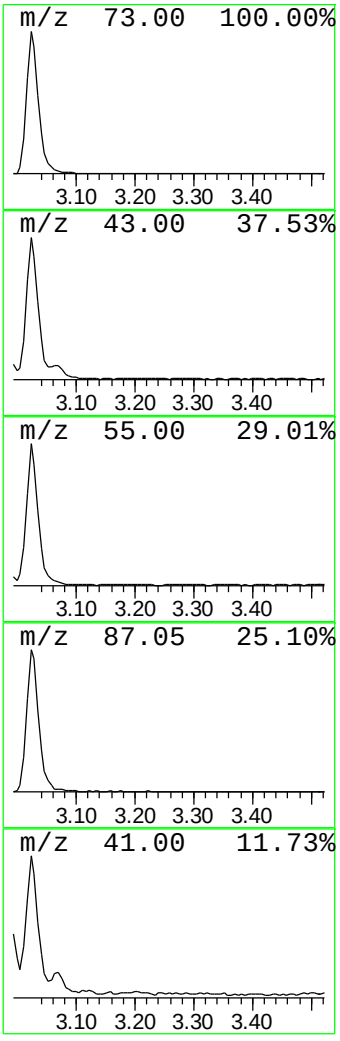
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	3.84 ng/ul	823326	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

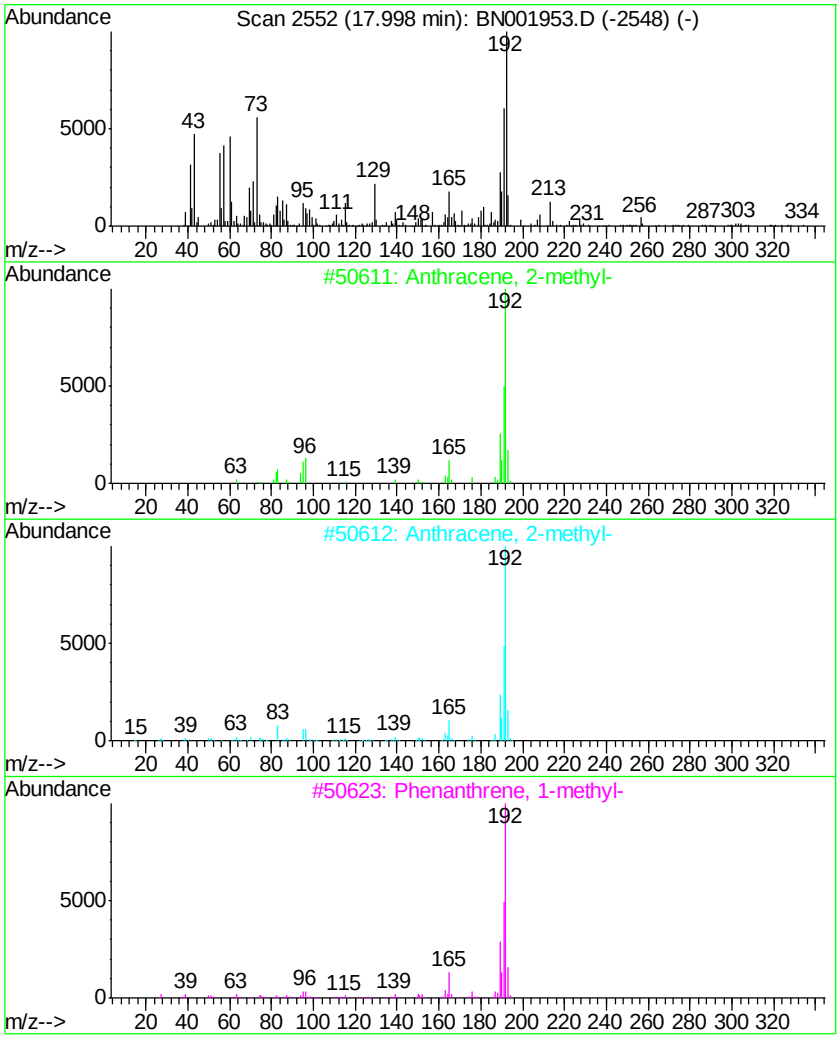
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

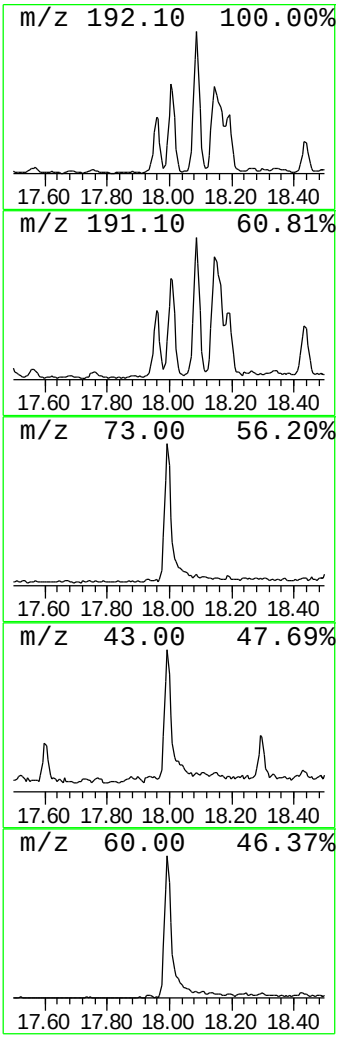
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	2.48 ng/ul	1077870	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	84





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

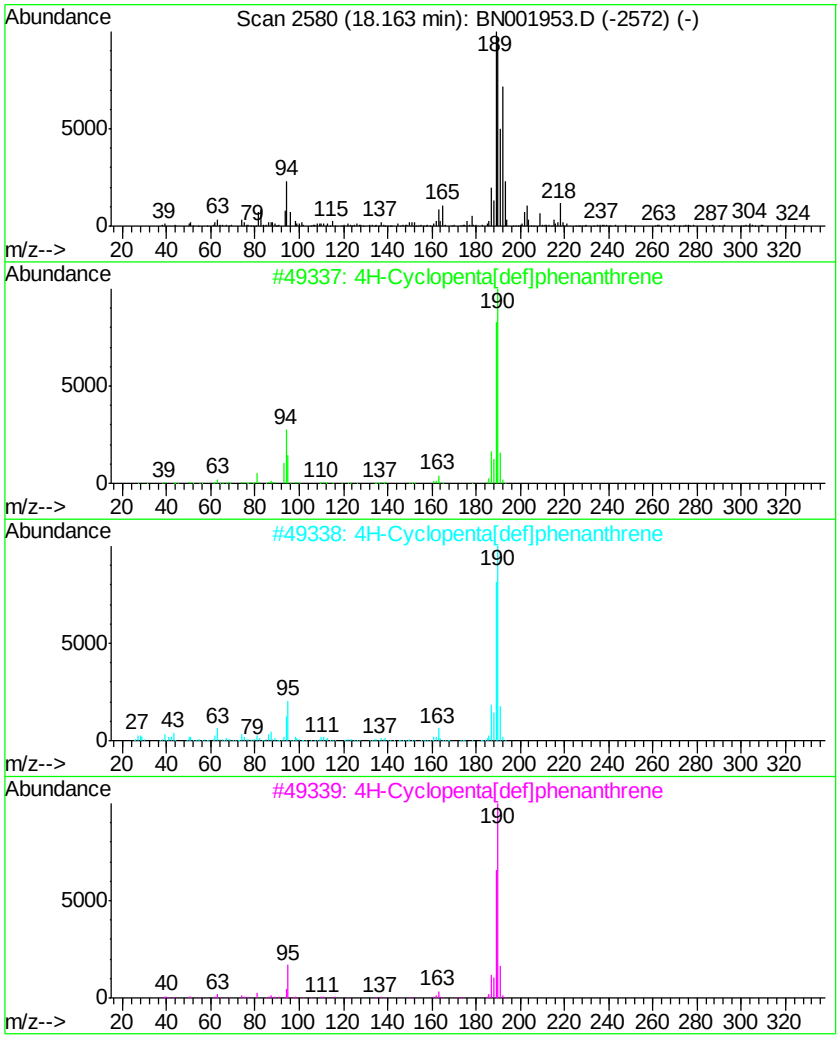
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

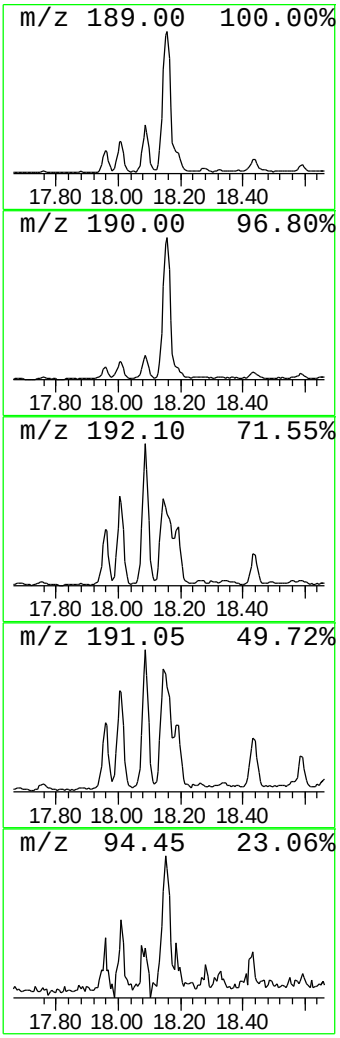
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	3.02 ng/ul	1314780	Phenanthrene-d10	17.08

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	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

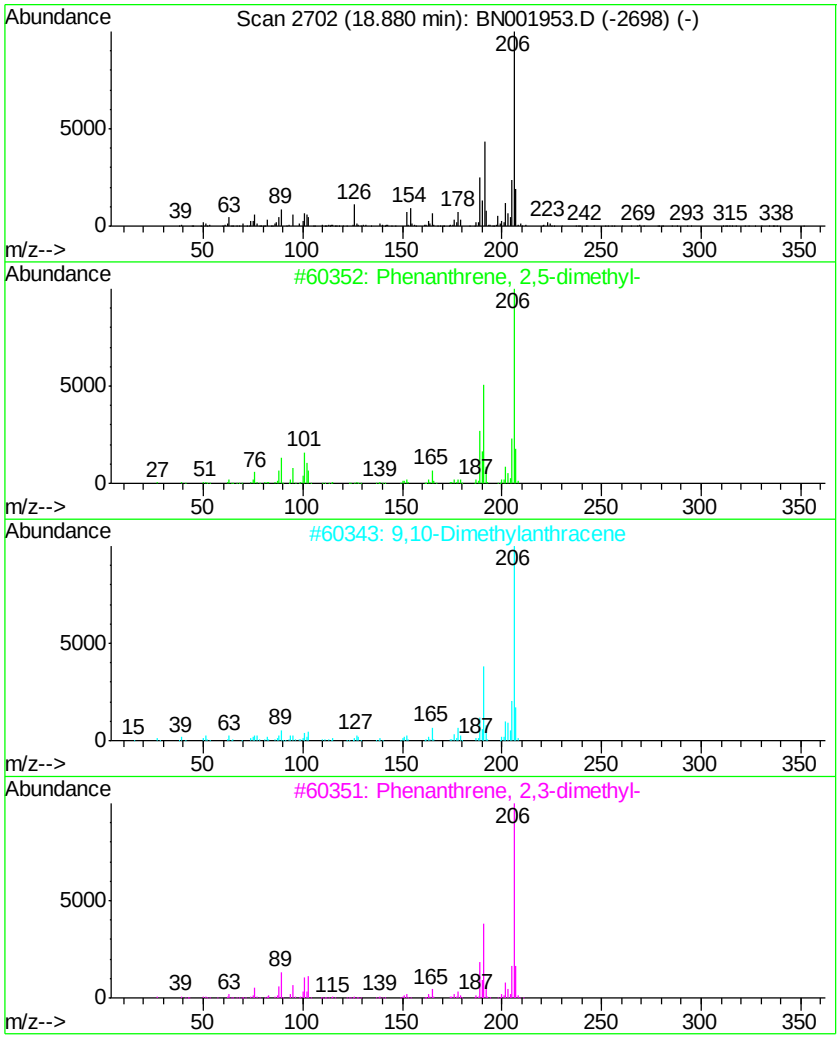
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

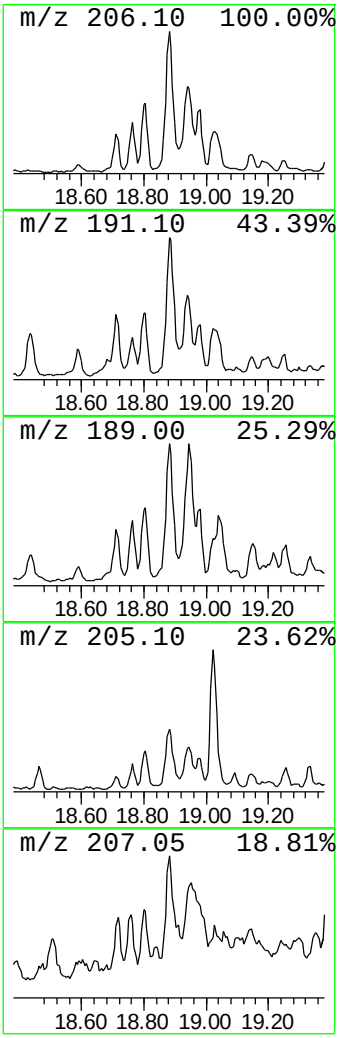
****

Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	2.50 ng/ul	1086960	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

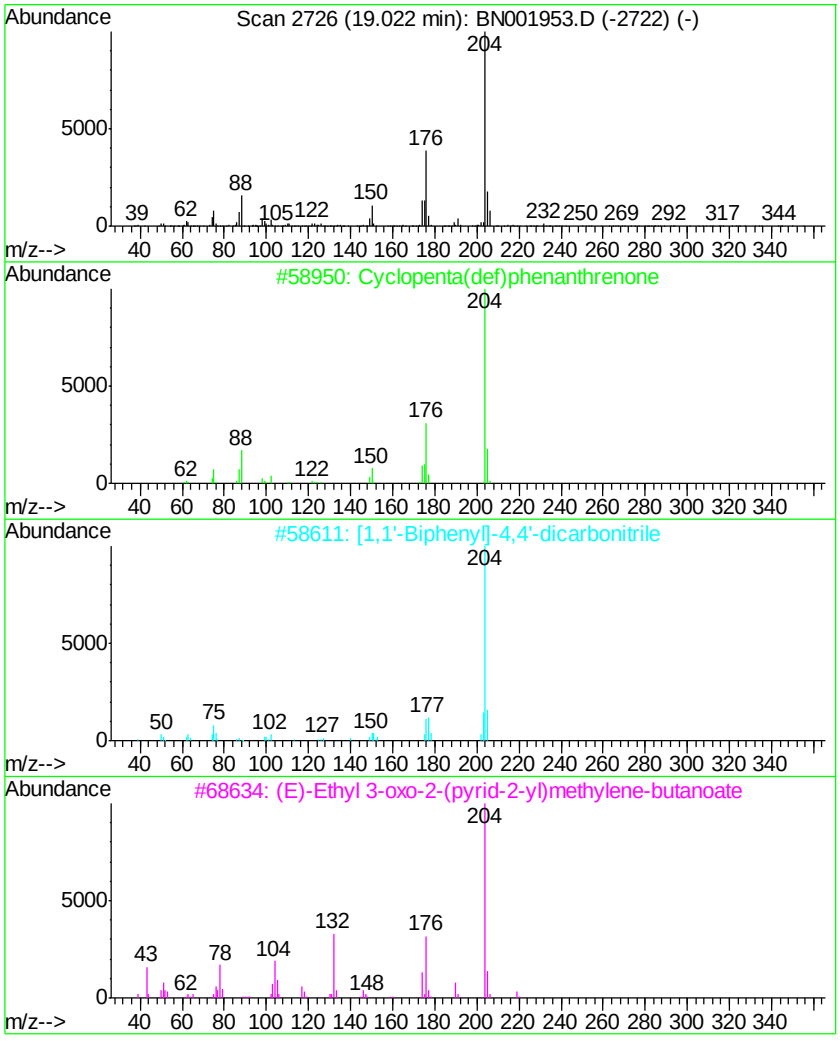
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

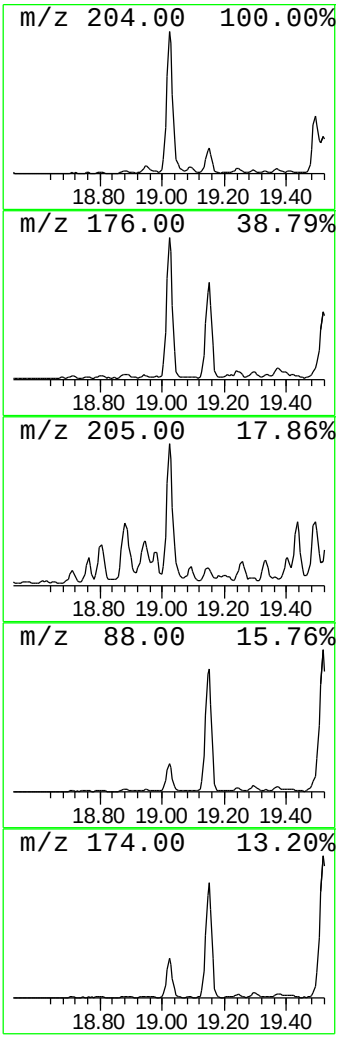
****

Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	6.65 ng/ul	2895320	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

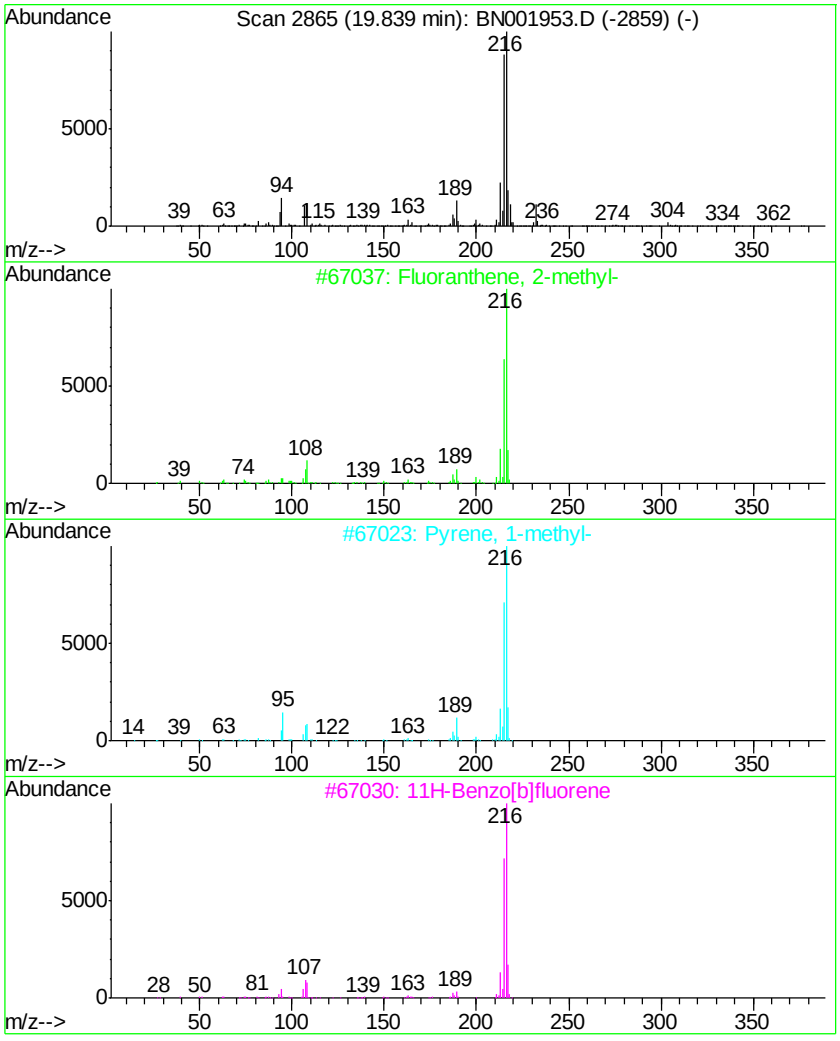
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

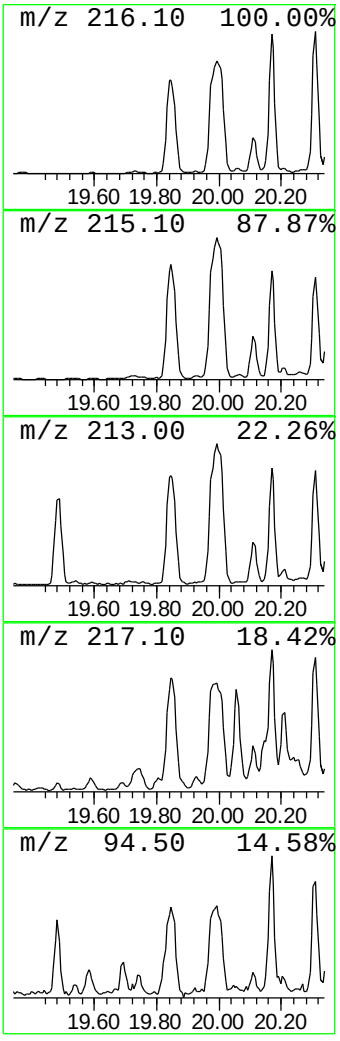
****

Peak Number 6 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	3.09 ng/ul	5556050	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

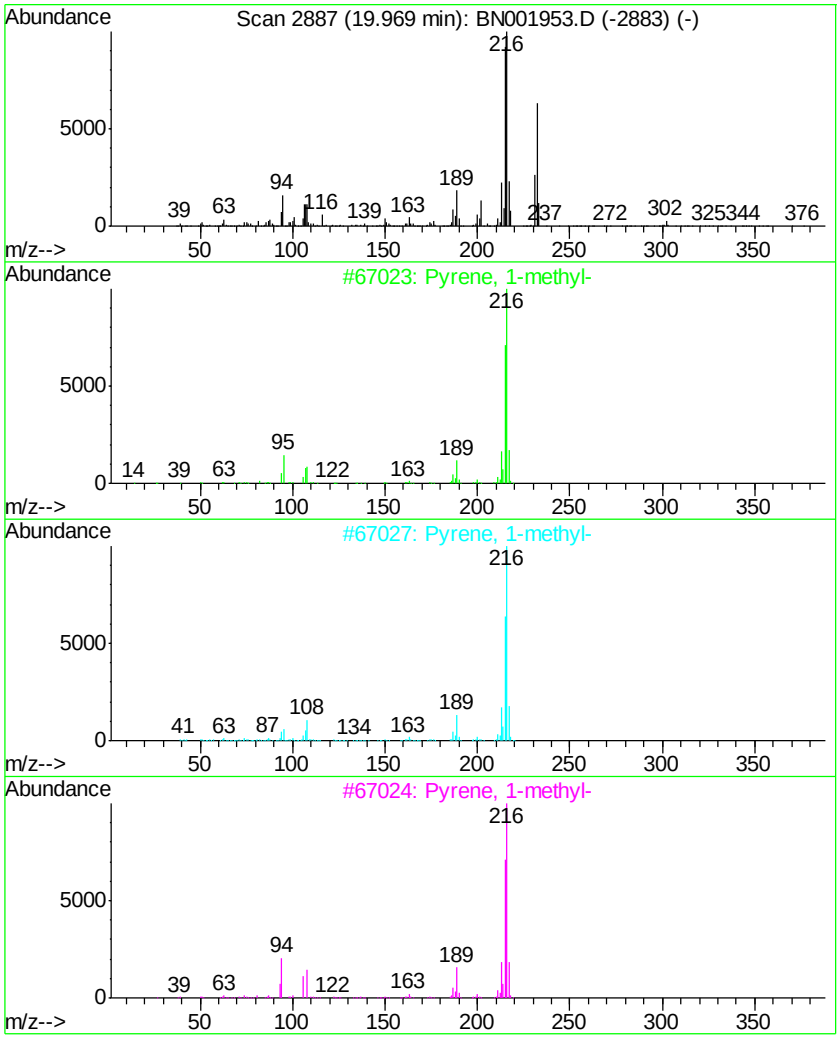
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

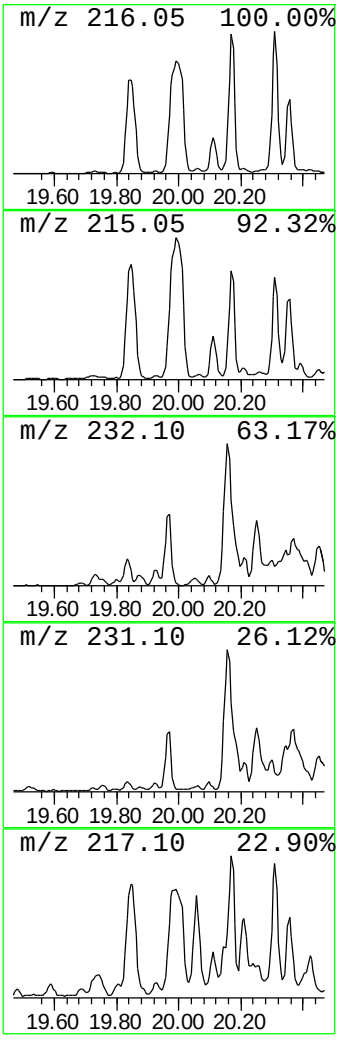
****

Peak Number 7 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.16 ng/ul	3883170	Chrysene-d12	21.29

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	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

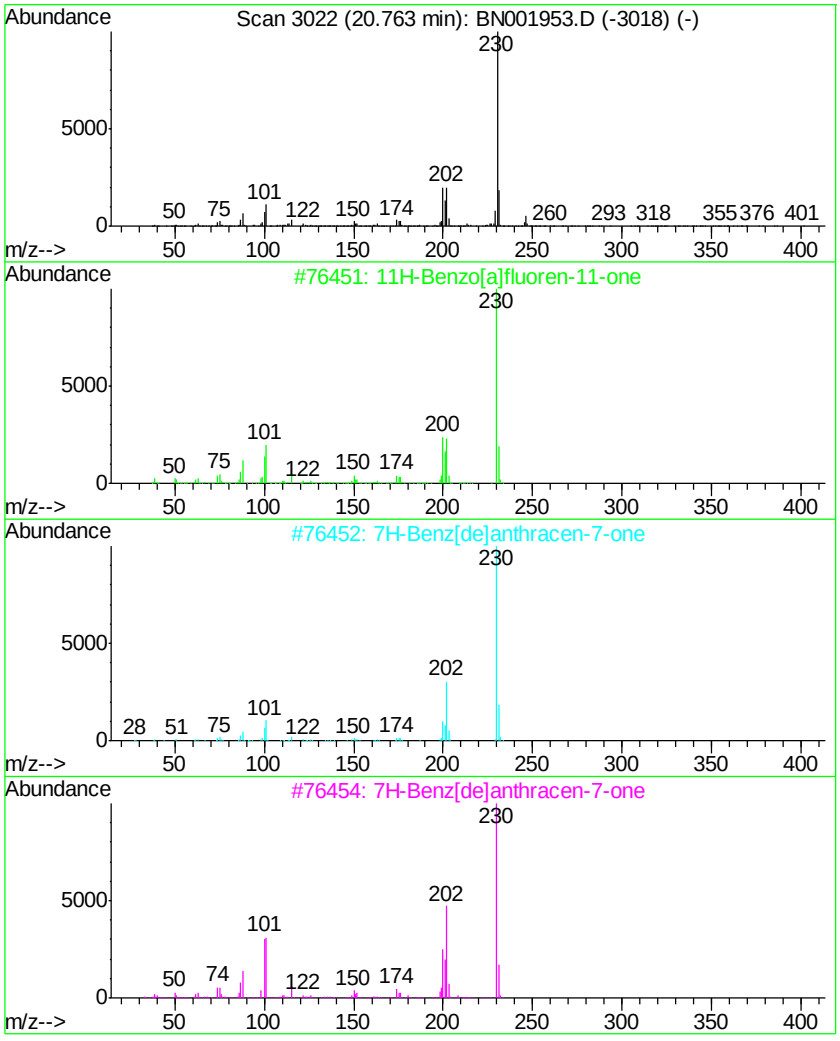
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

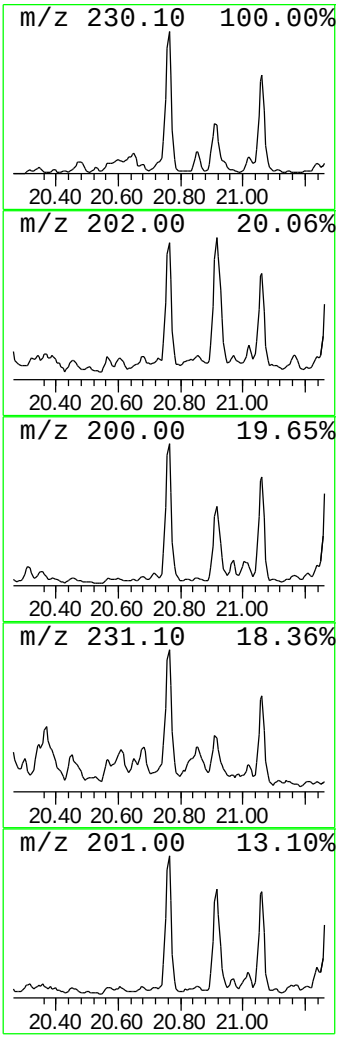
****

Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	2.43 ng/ul	4378790	Chrysene-d12	21.29

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	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	56





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

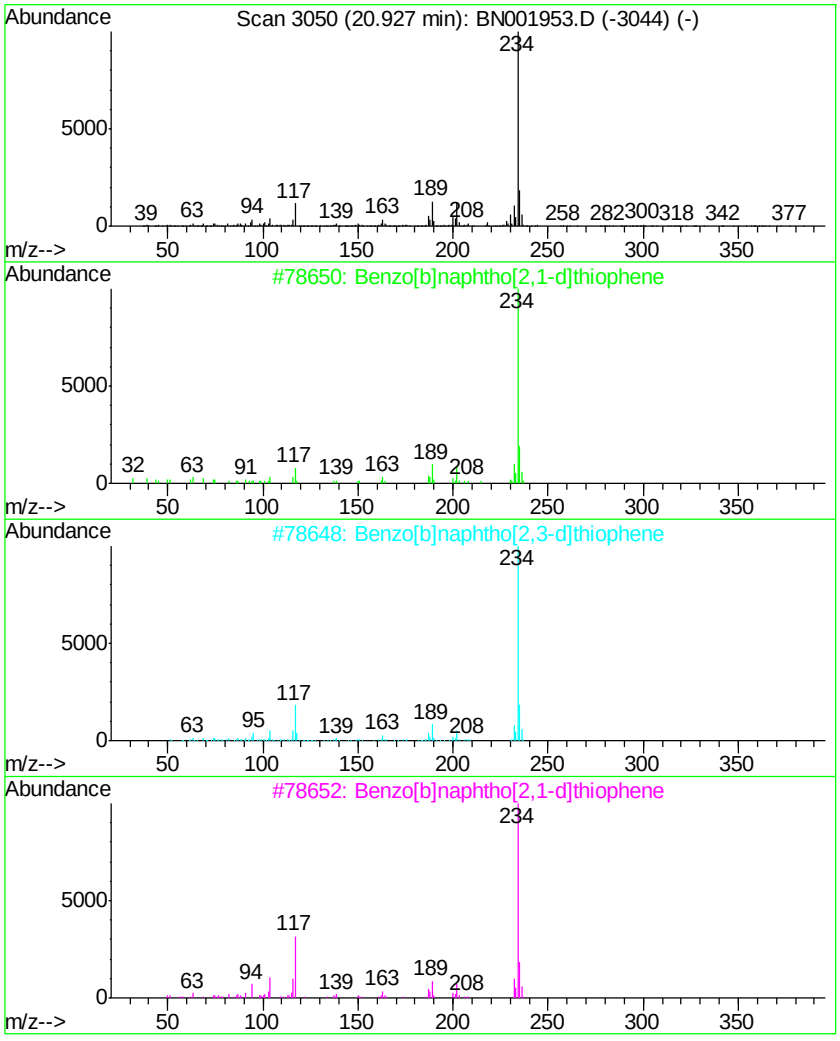
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

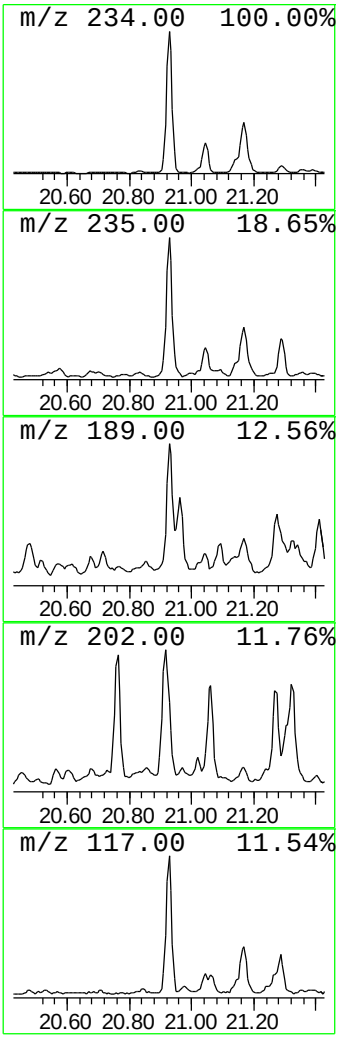
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	3.06 ng/ul	5512980	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

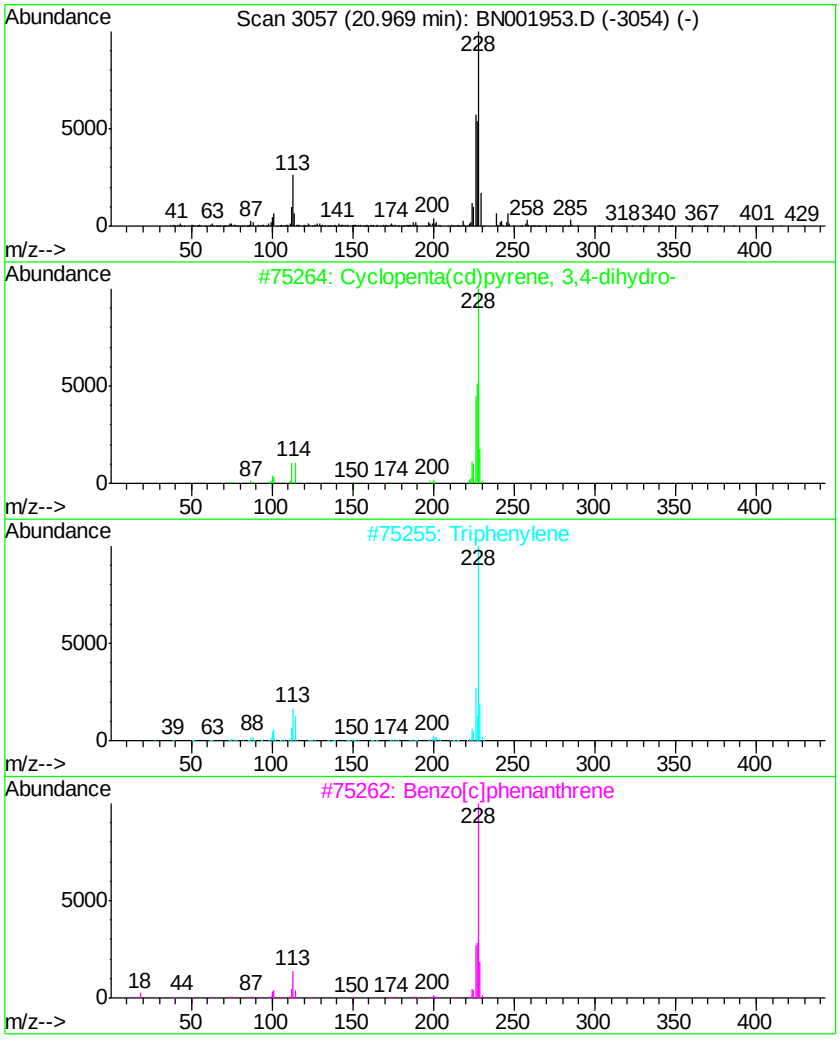
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

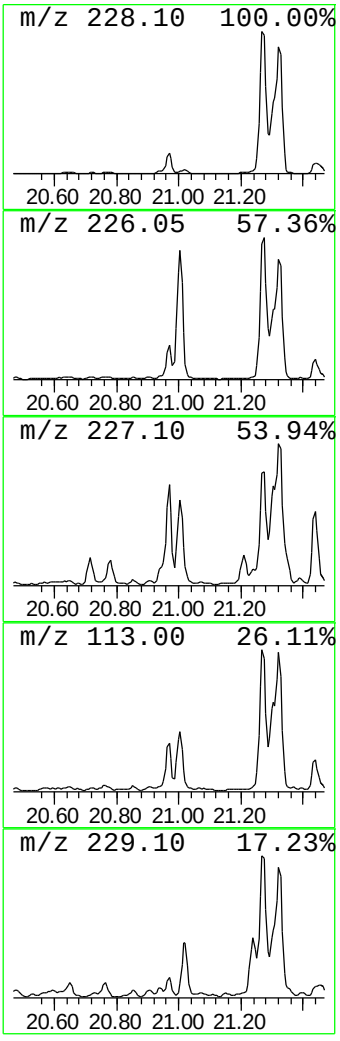
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.02 ng/ul	3632140	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
2	Triphenylene	228	C18H12	000217-59-4	55
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
4	Chrysene	228	C18H12	000218-01-9	46
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

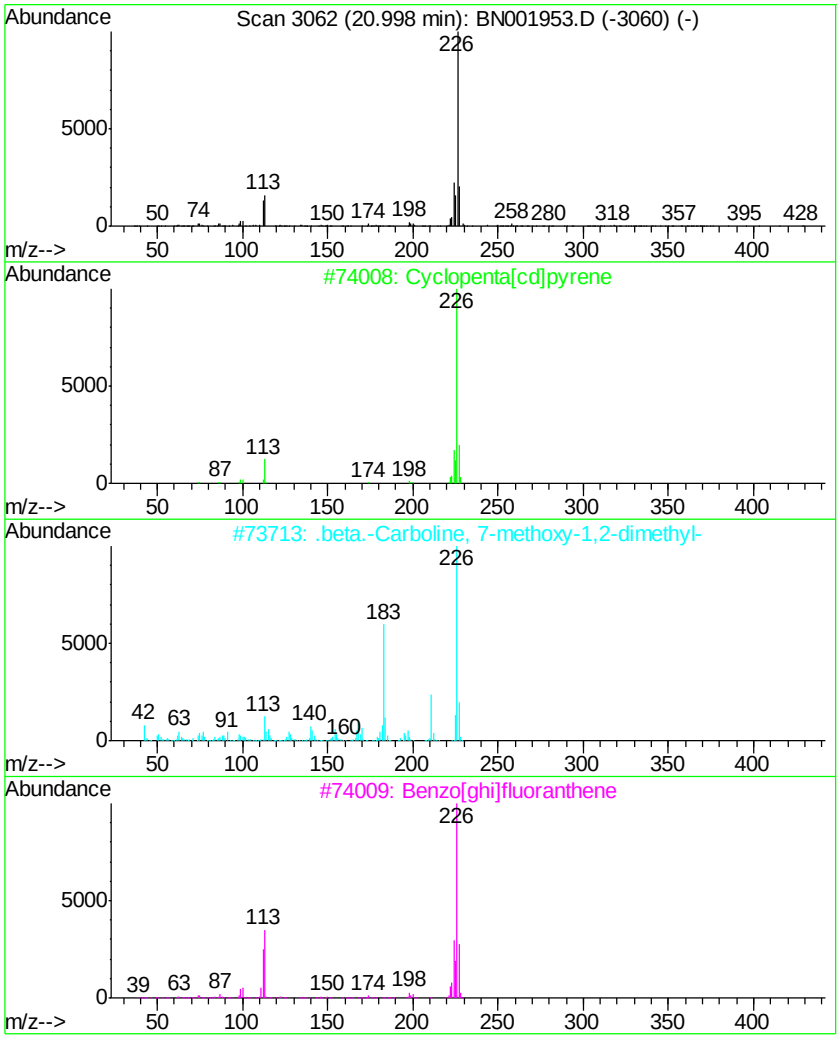
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

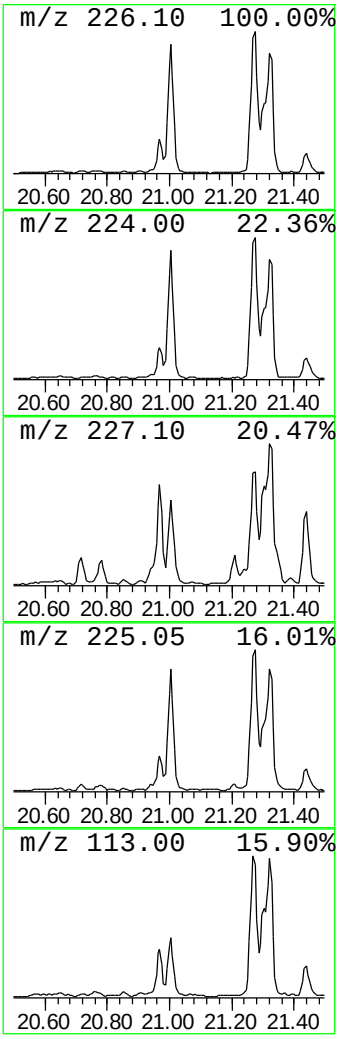
****

Peak Number 12 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	3.02 ng/ul	5430450	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	95
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33
5	9H-Xanthen-9-one, 2-methoxy-	226	C14H10O3	001214-20-6	33





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

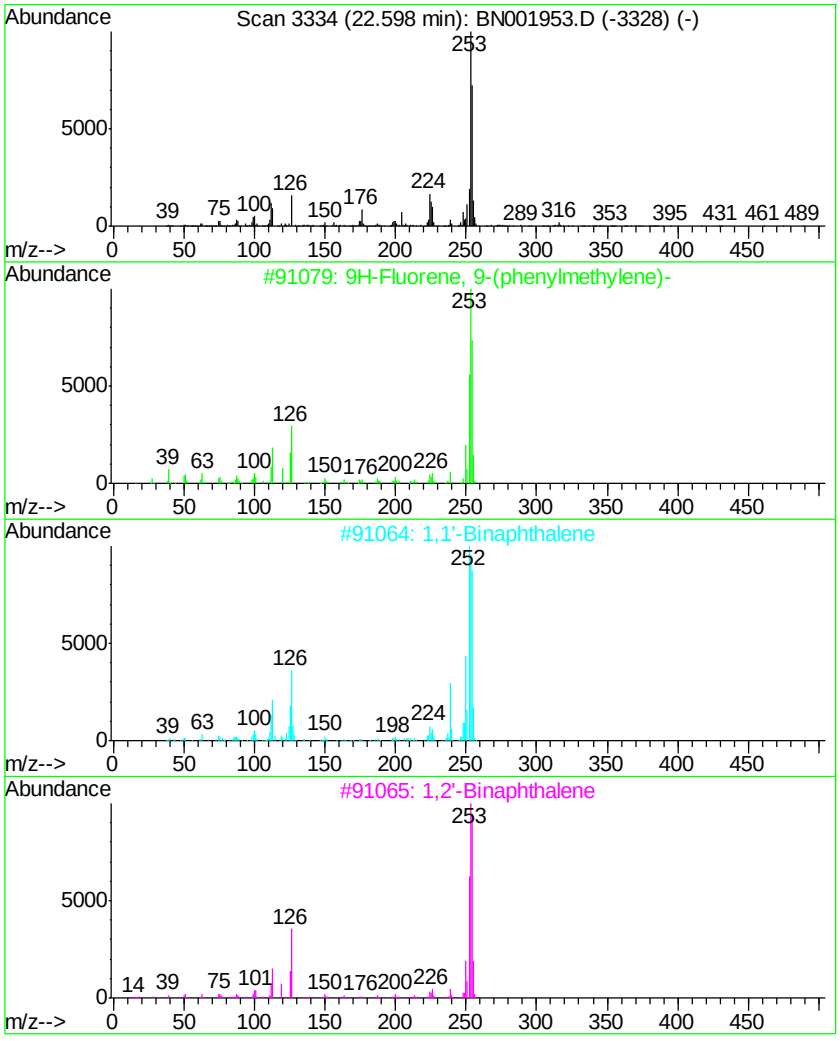
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

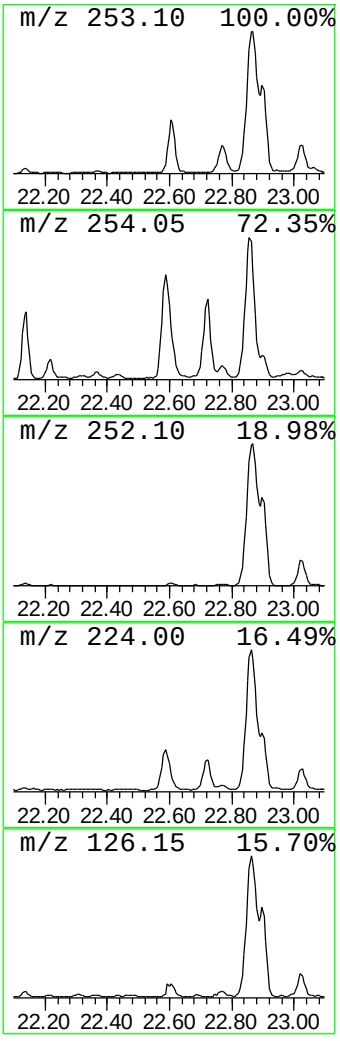
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9H-Fluorene, 9-(phenylmethy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.60	15.82 ng/ul	5518300	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	72
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	72
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	64
5	4,6'-Biazulenyl	254	C20H14	094154-49-1	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

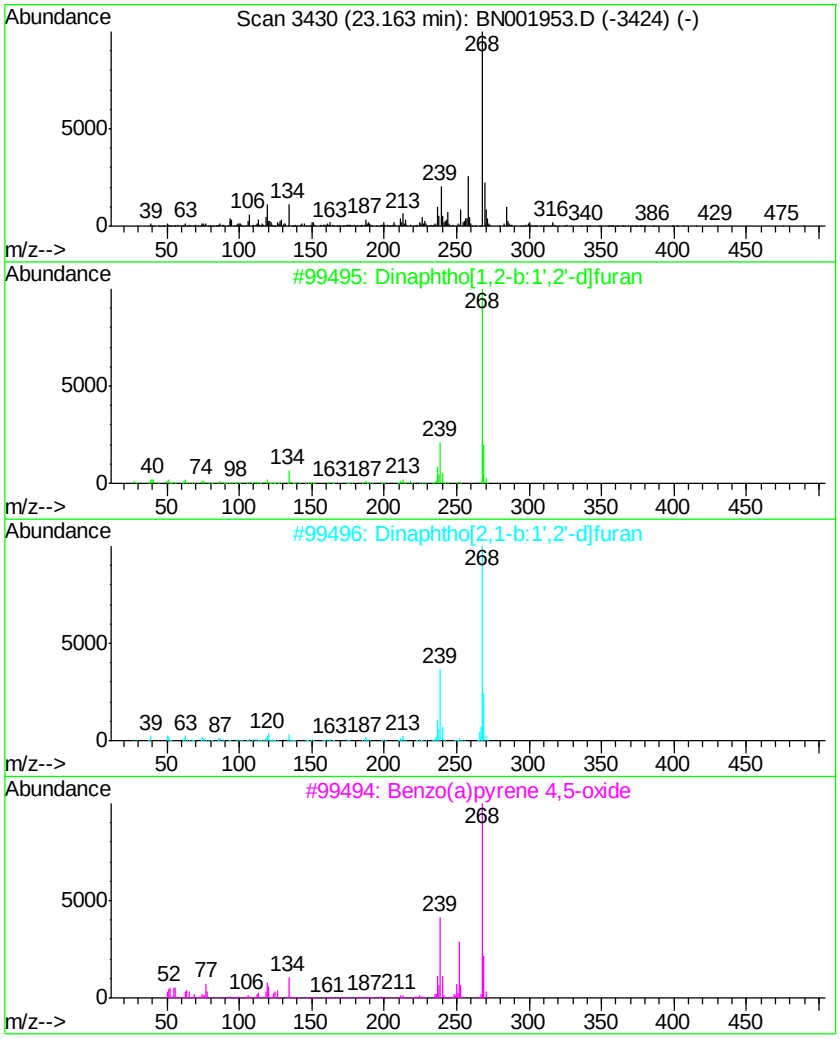
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

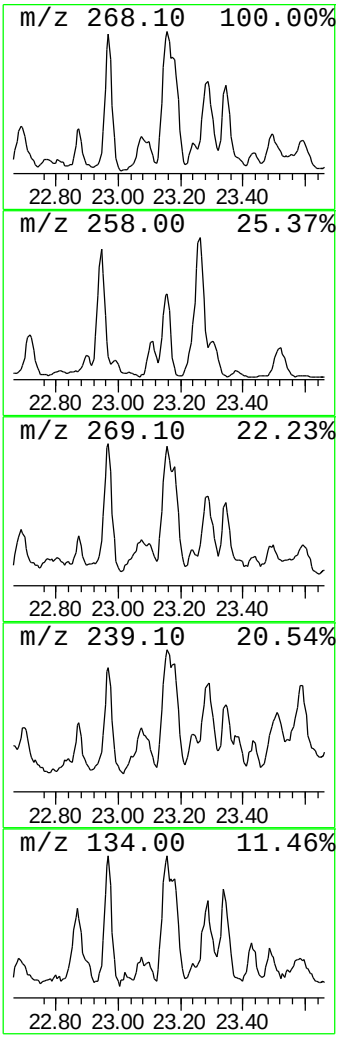
****

Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.16	10.43 ng/ul	3637110	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
4	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	58
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

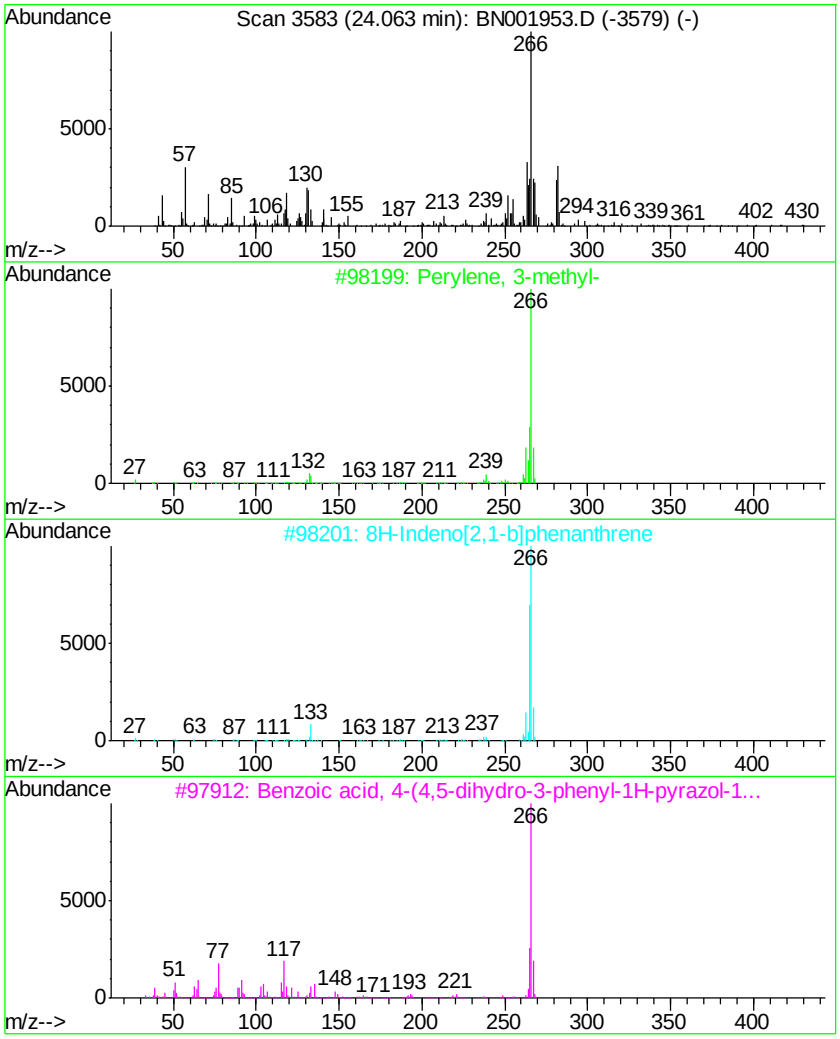
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

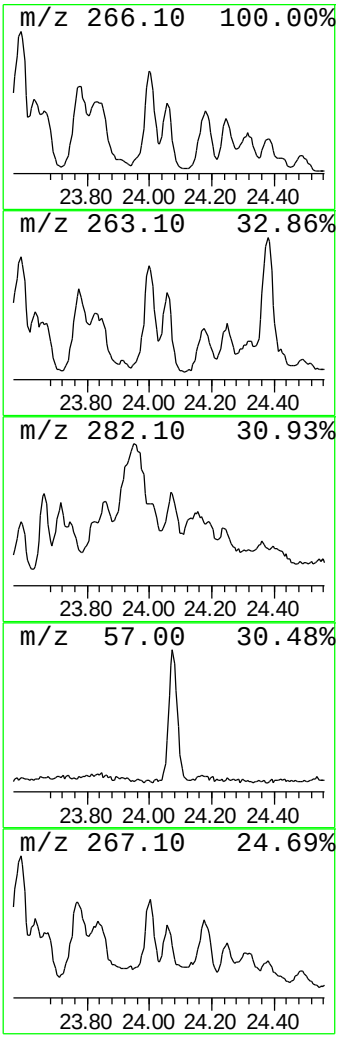
****

Peak Number 17 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.06	4.67 ng/ul	1628240	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	43
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	41
3	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	38
4	1,2,3,3a,4,5,7,8,9,10,11,12,12a-...	266	C20H26	095676-40-7	38
5	3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

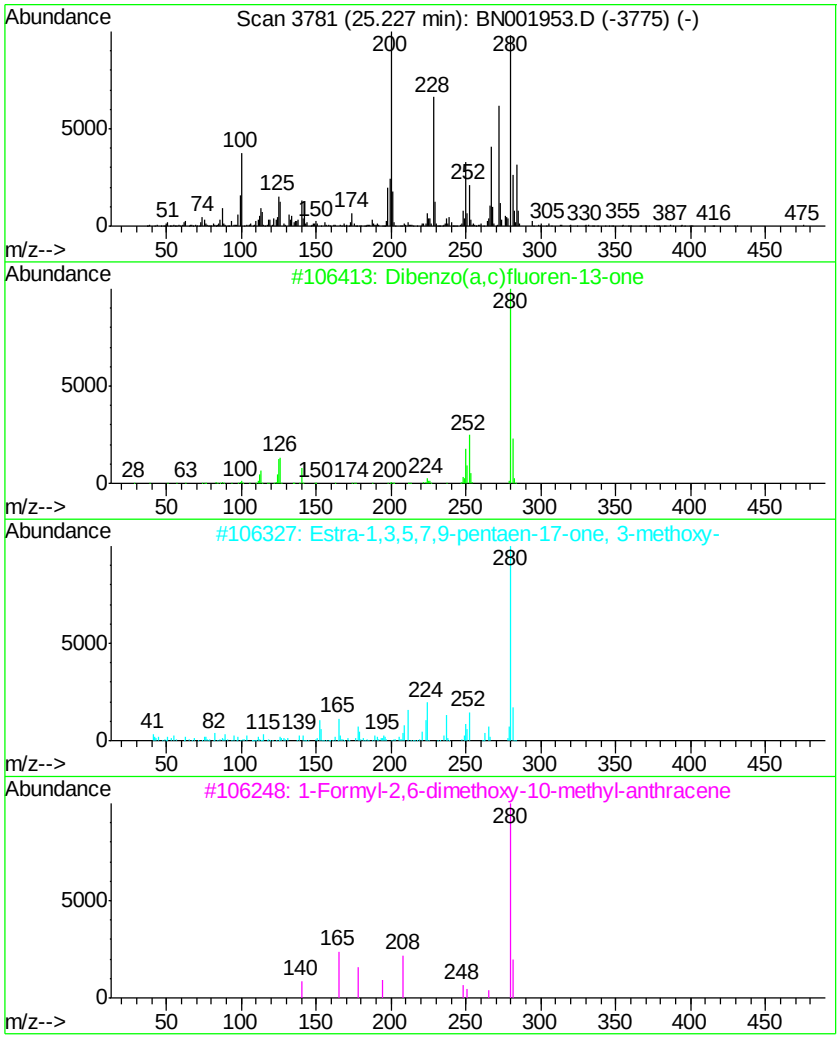
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

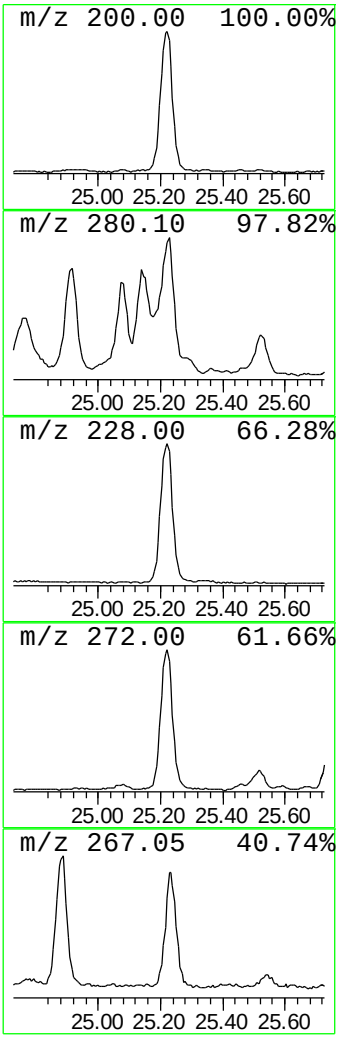
****

Peak Number 18 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.23	11.56 ng/ul	4032910	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	38
2	Estra-1,3,5,7,9-pentaen-17-one, ...	280	C19H20O2	003907-67-3	14
3	1-Formyl-2,6-dimethoxy-10-methyl...	280	C18H16O3	110038-62-5	11
4	(9E)-Styrylanthracene	280	C22H16	001895-98-3	11
5	Phosphine, methyldiphenyl-	200	C13H13P	001486-28-8	11





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

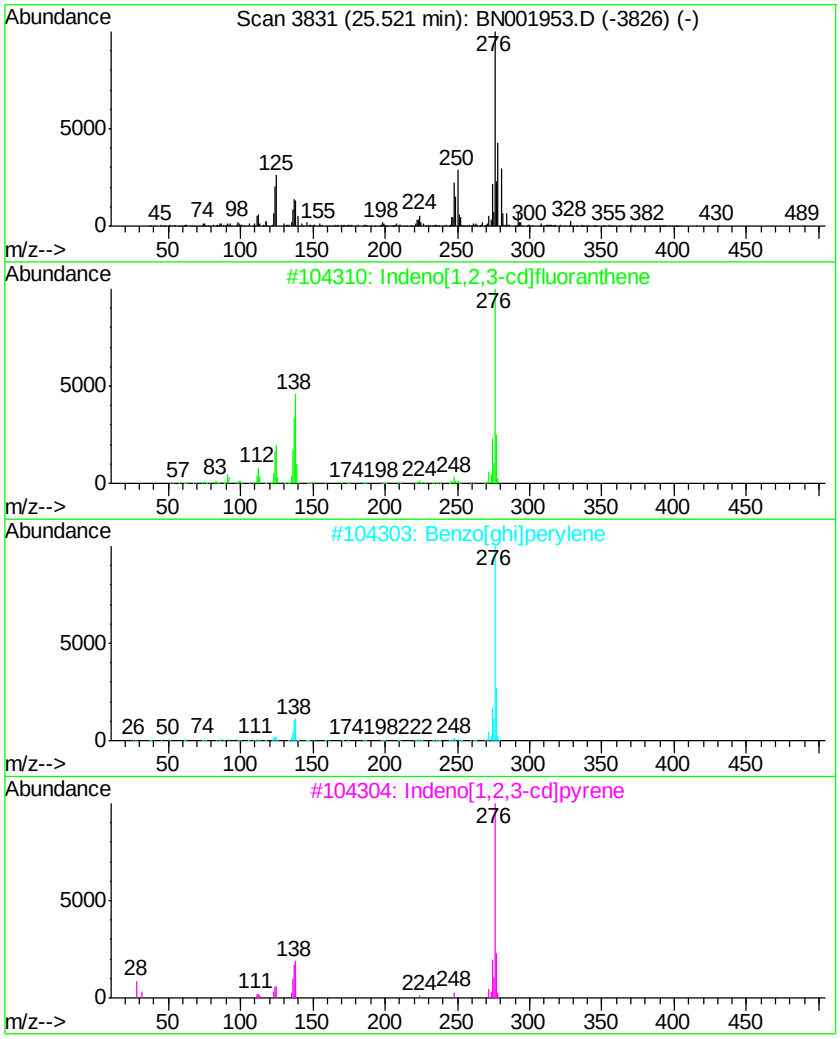
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

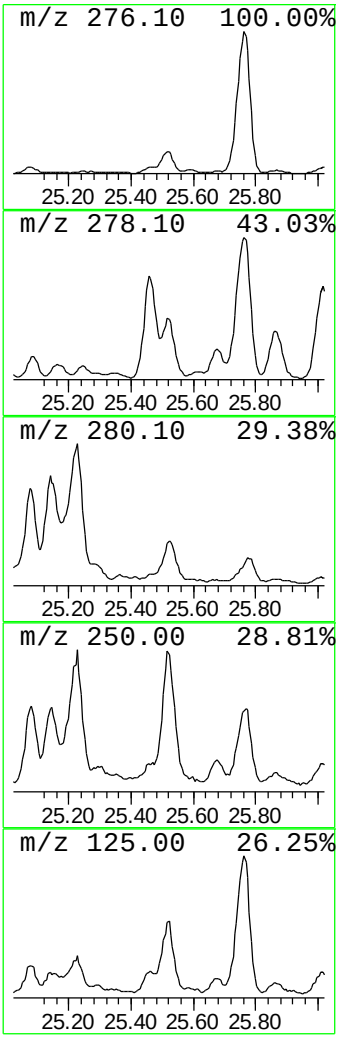
****

Peak Number 19 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.52	10.09 ng/ul	3518270	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	46
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	42
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	42
4	Phenanthro[3,2-b]furan-7,11-dion...	276	C18H12O3	020958-17-2	38
5	Benzo[ghi]perylene	276	C22H12	000191-24-2	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

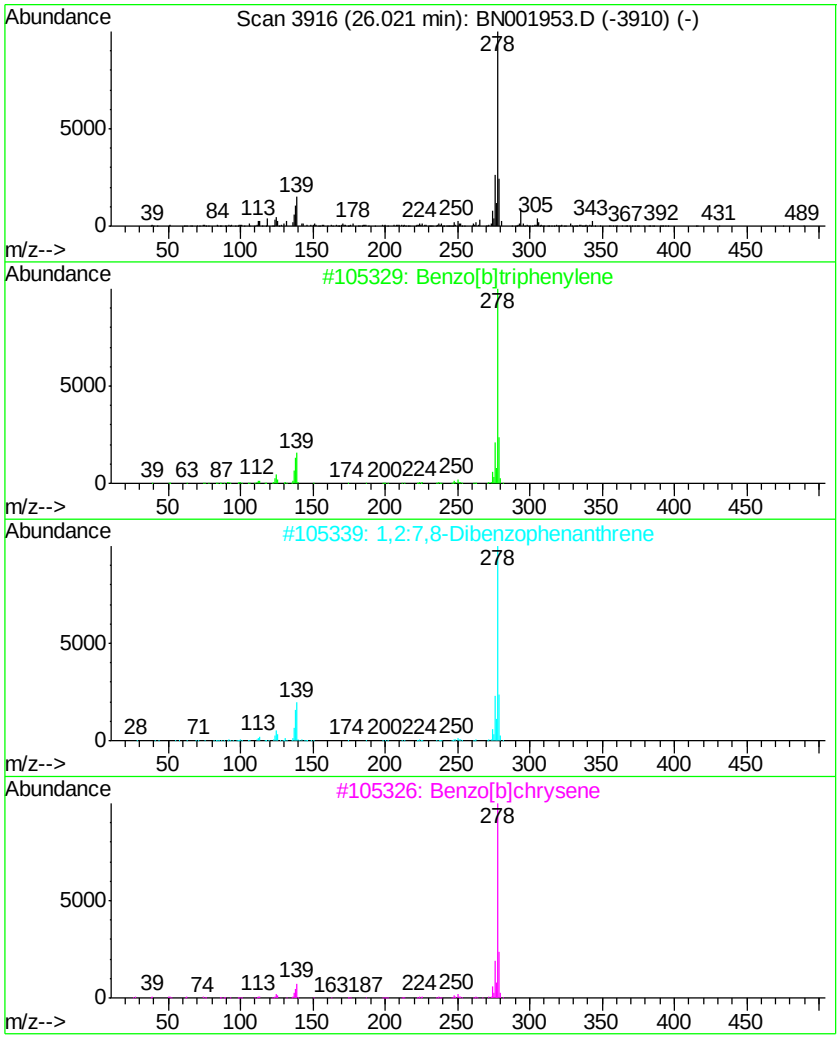
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

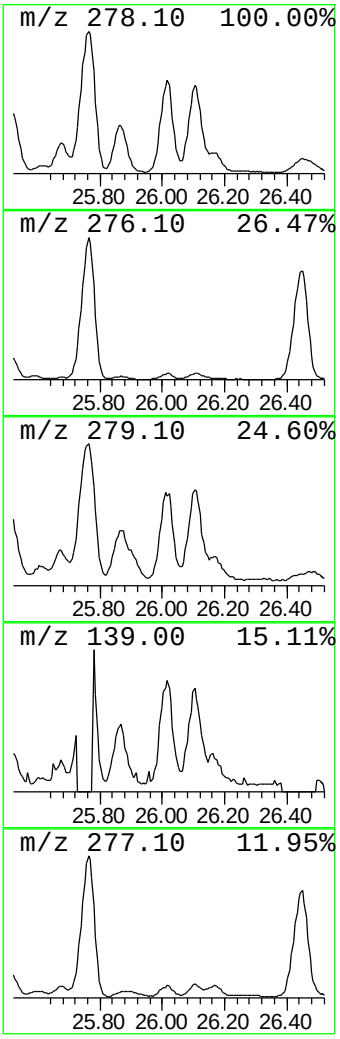
****

Peak Number 20 Benzo[b]triphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.02	4.99 ng/ul	1738940	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	97
3	Benzo[b]chrysene	278	C22H14	000214-17-5	93
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	90
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
Data File : BN001953.D
Acq On : 03 Jul 2018 20:49
Operator : JU/SJ
Sample : J3721-15 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F1H01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.02	3.8	ng/ul	823326	1	7.71	4289290	20.0
Anthracene, 2-met...	18.00	2.5	ng/ul	1077870	4	17.08	8709550	20.0
4H-Cyclopenta[def...	18.16	3.0	ng/ul	1314780	4	17.08	8709550	20.0
Phenanthrene, 2,5...	18.88	2.5	ng/ul	1086960	4	17.08	8709550	20.0
Cyclopenta(def)ph...	19.02	6.7	ng/ul	2895320	4	17.08	8709550	20.0
Fluoranthene, 2-m...	19.84	3.1	ng/ul	5556050	5	21.29	35981600	20.0
Pyrene, 1-methyl-	19.97	2.2	ng/ul	3883170	5	21.29	35981600	20.0
11H-Benzo[a]fluor...	20.76	2.4	ng/ul	4378790	5	21.29	35981600	20.0
Benzo[b]naphtho[2...	20.93	3.1	ng/ul	5512980	5	21.29	35981600	20.0
Cyclopenta(cd)pyr...	20.97	2.0	ng/ul	3632140	5	21.29	35981600	20.0
Cyclopenta[cd]pyrene	21.00	3.0	ng/ul	5430450	5	21.29	35981600	20.0
9H-Fluorene, 9-(p...	22.60	15.8	ng/ul	5518300	6	23.52	6974460	20.0
Dinaphtho[1,2-b:1...	23.16	10.4	ng/ul	3637110	6	23.52	6974460	20.0
unknown-01	24.06	4.7	ng/ul	1628240	6	23.52	6974460	20.0
unknown-02	25.23	11.6	ng/ul	4032910	6	23.52	6974460	20.0
unknown-03	25.52	10.1	ng/ul	3518270	6	23.52	6974460	20.0
Benzo[b]triphenylene	26.02	5.0	ng/ul	1738940	6	23.52	6974460	20.0