LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

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-BN081420MA.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	6.640	615	621	633	rBV2	302460	526186	1.75%	0.178%
2	6.981	674	679	692	rBV	349741	546194	1.82%	0.185%
3	7.440	750	757	766	rBV	579960	890137	2.96%	0.301%
4	8.146	870	877	885	rBV	388127	623605	2.07%	0.211%
5	8.575	944	950	961	rBV	304782	505041	1.68%	0.171%
6	9.816	1155	1161	1175	rVB	438118	735542	2.45%	0.249%
7	10.181	1215	1223	1228	rBV	666701	1094794	3.64%	0.370%
8	10.334	1242	1249	1264	rBV	271296	535543	1.78%	0.181%
9	11.852	1500	1507	1517	rBV	315096	511478	1.70%	0.173%
10	12.075	1536	1545	1556	rVB	299805	485551	1.62%	0.164%
11	13.387	1760	1768	1773	rBV	309258	516754	1.72%	0.175%
12	13.493	1782	1786	1791	rVV	778553	1106654	3.68%	0.374%
13	13.757	1823	1831	1834	rBV	891185	1393060	4.63%	0.471%
14	13.787	1834	1836	1850	rVB	660348	823270	2.74%	0.278%
15	14.069	1877	1884	1890	rBV2	1058299	1619782	5.39%	0.548%
16	14.134	1890	1895	1900	rVV	874008	1217816	4.05%	0.412%
17	14.299	1915	1923	1931	rBV2	266286	499215	1.66%	0.169%
18	14.475	1943	1953	1962	rBV	1371703	2082694	6.93%	0.704%
19	15.075	2049	2055	2059	rVV	1277272	1799511	5.99%	0.609%
20	15.128	2059	2064	2070	rVV	2172767	3058866	10.18%	1.035%
21	15.216	2075	2079	2083	rVV3	333120	521070	1.73%	0.176%
22	15.428	2110	2115	2125	rVB	579422	821414	2.73%	0.278%
23	15.575	2131	2140	2149	rVB	601360	1203996	4.01%	0.407%
24	16.140	2229	2236	2241	rVV3	427709	920658	3.06%	0.311%
25	16.487	2290	2295	2304	rVB	785796	1145343	3.81%	0.387%
26	16.587	2304	2312	2316	rBV2	771343	1355506	4.51%	0.458%
27	16.645	2316	2322	2327	rVB	873718	1270747	4.23%	0.430%
28	16.828	2345	2353	2356	rBV	1196041	1799718	5.99%	0.609%
29	16.881	2356	2362	2367	rVV	19107111	28217527	93.88%	9.543%
30	16.928	2367	2370	2373	rVV2	1569336	2274780	7.57%	0.769%
31	16.963	2373	2376	2382	rVV	3645126	4637995	15.43%	1.569%
32	17.022	2382	2386	2392	rVV2	294799	510485	1.70%	0.173%
33	17.234	2418	2422	2427	rVB	1224224	1642225	5.46%	0.555%
34	17.704	2493	2502	2506	rBV	1823721	2532278	8.42%	0.856%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

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-BN081420MA.M
Title : SVOA CALIBRATION

35	17.751	2506	2510	2518	rVB	2551170	3616126	12.03%	1.223%
36	17.834	2518	2524	2529	rBV	772483	1126114	3.75%	0.381%
37	17.898	2529	2535	2539	rBV2	2585664	4193363	13.95%	1.418%
38	17.934	2539	2541	2549	rVB	1106365	1299659	4.32%	0.440%
39	18.216	2584	2589	2592	rVV	1516369	2062401	6.86%	0.698%
40	18.251	2592	2595	2601	rVB	1363462	1793921	5.97%	0.607%
41	18.463	2627	2631	2636	rVB2	338271	448090	1.49%	0.152%
42	18.516	2636	2640	2643	rBV	369963	450694	1.50%	0.152%
43	18.557	2643	2647	2652	rVB	337503	455827	1.52%	0.154%
44	18.639	2654	2661	2666	rBV2	795841	1460924	4.86%	0.494%
45	18.698	2666	2671	2674	rVV2	440093	718551	2.39%	0.243%
46	18.781	2680	2685	2692	rVB	723693	1228512	4.09%	0.415%
47	18.910	2699	2707	2712	rBV	20311931	29391975	97.78%	9.941%
48	19.051	2728	2731	2735	rVB	548532	693709	2.31%	0.235%
49	19.116	2735	2742	2743	rBV3	299895	520269	1.73%	0.176%
50	19.139	2743	2746	2752	rVB	534771	792849	2.64%	0.268%
51	19.275	2757	2769	2776	rVV2	16243269	30058417	100.00%	10.166%
52	19.339	2776	2780	2788	rVB2	819596	1337423	4.45%	0.452%
53	19.451	2794	2799	2805	rBV	1087342	1464070	4.87%	0.495%
54	19.510	2805	2809	2815	rVB	854491	1242639	4.13%	0.420%
55	19.586	2815	2822	2823	rBV2	1143630	1758522	5.85%	0.595%
56	19.733	2842	2847	2849	rVV3	880680	1386242	4.61%	0.469%
57	19.775	2849	2854	2858	rVB	2834161	4164313	13.85%	1.408%
58	19.875	2866	2871	2874	rBV	1960093	2429900	8.08%	0.822%
59	19.928	2874	2880	2884	rVV2	1555869	2495844	8.30%	0.844%
60	19.969	2884	2887	2891	rVB2	560060	683323	2.27%	0.231%
61	20.069	2900	2904	2908	rBV	686912	856445	2.85%	0.290%
62	20.116	2908	2912	2917	rBV2	794573	1210752	4.03%	0.409%
63	20.369	2952	2955	2958	rVV3	515246	831118	2.77%	0.281%
64	20.410	2958	2962	2965	rVV2	652722	1051668	3.50%	0.356%
65	20.486	2971	2975	2978	rBV3	361391	626729	2.09%	0.212%
66	20.522	2978	2981	2988	rVB	1362549	2028234	6.75%	0.686%
67	20.686	3003	3009	3013	rBV2	1726342	2798388	9.31%	0.946%
68	20.728	3013	3016	3019	rVV	1391075	1543218	5.13%	0.522%
69	20.822	3029	3032	3042	rVB	1898387	2574481	8.56%	0.871%
70	20.928	3044	3050	3059	rBV	555667	1206298	4.01%	0.408%
71	21.033	3059	3068	3073	rVV3	11403637	19750723	65.71%	6.680%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

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-BN081420MA.M
Title : SVOA CALIBRATION

72	21.086	3073	3077	3087	rVV	10030466	13917355	46.30%	4.707%
73	21.198	3093	3096	3100	rVV	1196275	1502593	5.00%	0.508%
74	21.251	3102	3105	3108	rVV2	377706	711393	2.37%	0.241%
75	21.310	3111	3115	3118	rVV	818476	1133281	3.77%	0.383%
76	21.357	3118	3123	3128	rVV2	948446	1770644	5.89%	0.599%
77	21.586	3156	3162	3166	rBV	1663867	2326799	7.74%	0.787%
78	21.633	3166	3170	3175	rVB	884162	1106047	3.68%	0.374%
79	21.769	3189	3193	3195	rBV	797350	923519	3.07%	0.312%
80	21.798	3195	3198	3204	rVB5	930021	1281617	4.26%	0.433%
81	21.863	3204	3209	3217	rVB4	592917	1222570	4.07%	0.413%
82	22.033	3232	3238	3242	rBV3	656452	1303065	4.34%	0.441%
83	22.086	3243	3247	3253	rVB5	489196	936280	3.11%	0.317%
84	22.145	3254	3257	3262	rBV4	272207	515807	1.72%	0.174%
85	22.310	3280	3285	3291	rVB3	532931	854702	2.84%	0.289%
86	22.551	3318	3326	3329	rBV	7935778	16468772	54.79%	5.570%
87	22.698	3346	3351	3356	rBV	1145813	1692315	5.63%	0.572%
88	22.822	3367	3372	3379	rBV2	557067	1417195	4.71%	0.479%
89	22.986	3393	3400	3404	rBV	3961915	7127075	23.71%	2.410%
90	23.027	3404	3407	3410	rVV	1213031	1898023	6.31%	0.642%
91	23.075	3410	3415	3421	rVB	6240983	10498080	34.93%	3.551%
92	23.157	3423	3429	3432	rBV2	1352860	2393631	7.96%	0.810%
93	23.204	3432	3437	3445	rVB2	1746629	3550879	11.81%	1.201%
94	23.669	3511	3516	3523	rVB5	325698	805142	2.68%	0.272%
95	23.957	3560	3565	3569	rVB2	289934	482741	1.61%	0.163%
96	25.221	3771	3780	3789	rVB2	3222374	8577653	28.54%	2.901%
97	25.451	3814	3819	3826	rVB	566367	1242389	4.13%	0.420%
98	25.533	3827	3833	3834	rBV	449234	778186	2.59%	0.263%
99	25.845	3877	3886	3901	rVB2	2139616	6218435	20.69%	2.103%
100	26.163	3935	3940	3958	rVB2	542407	1843798	6.13%	0.624%

Sum of corrected areas: 295677152

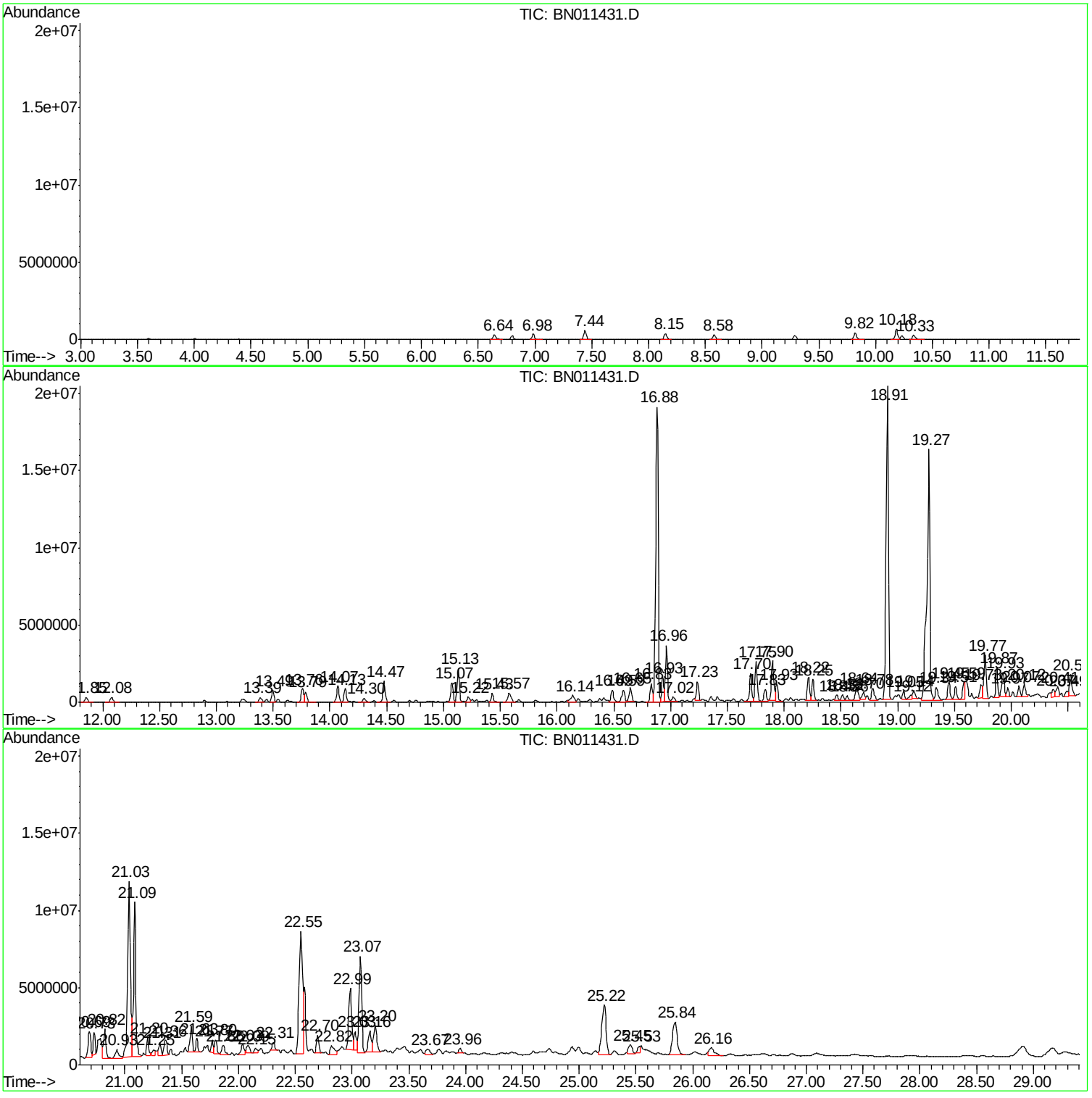
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

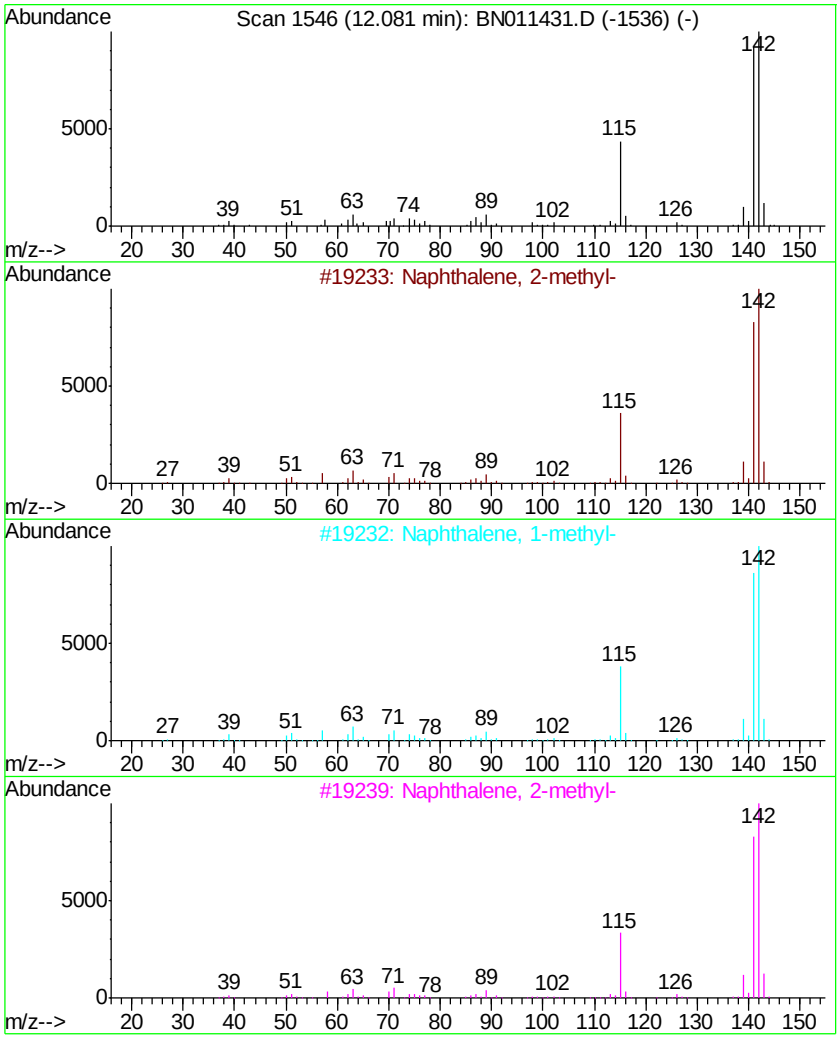
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

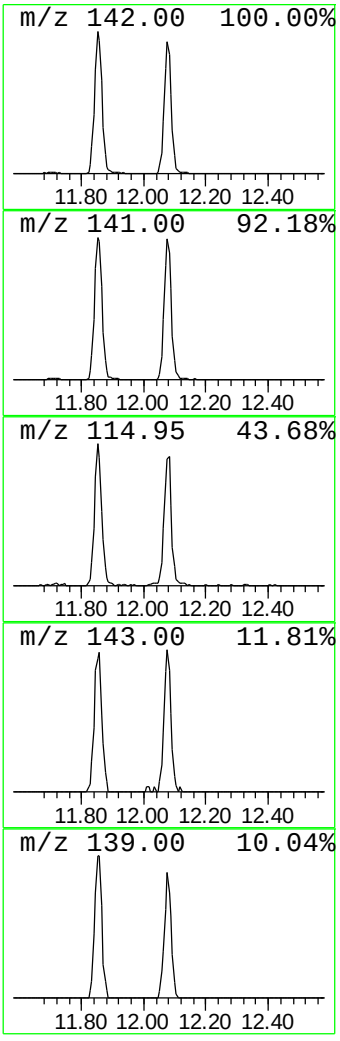
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	8.87 ng/ul	485551	Naphthalene-d8	10.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

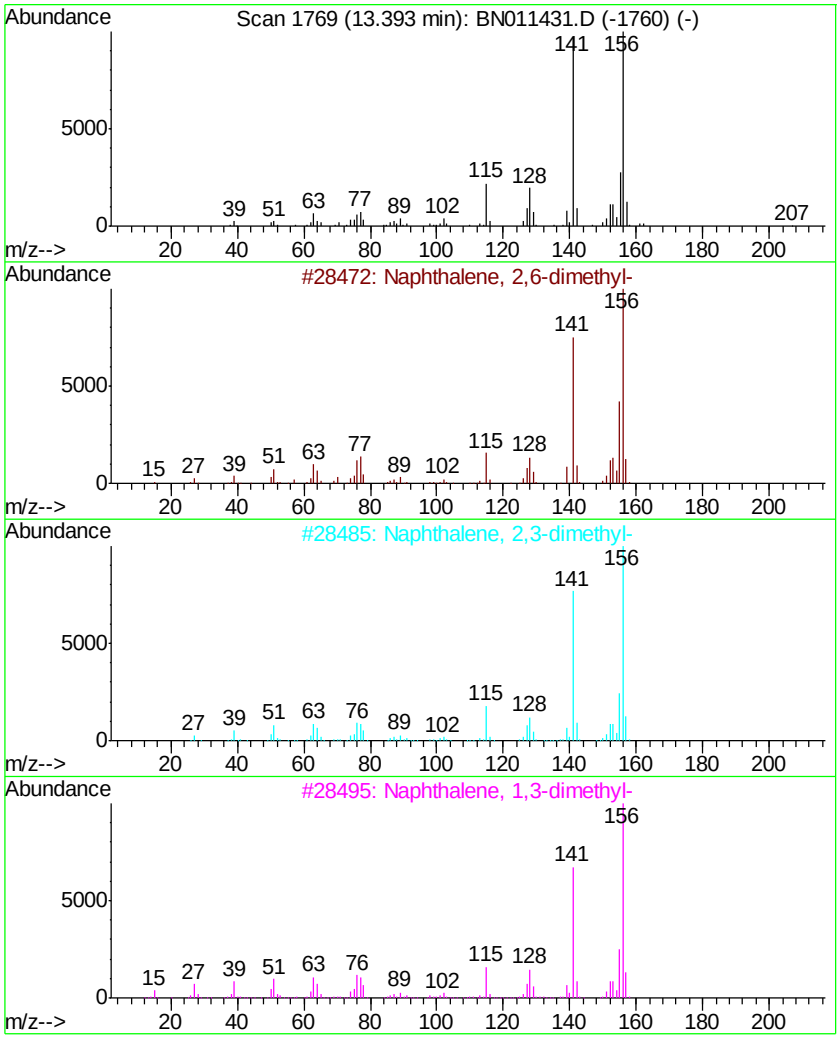
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

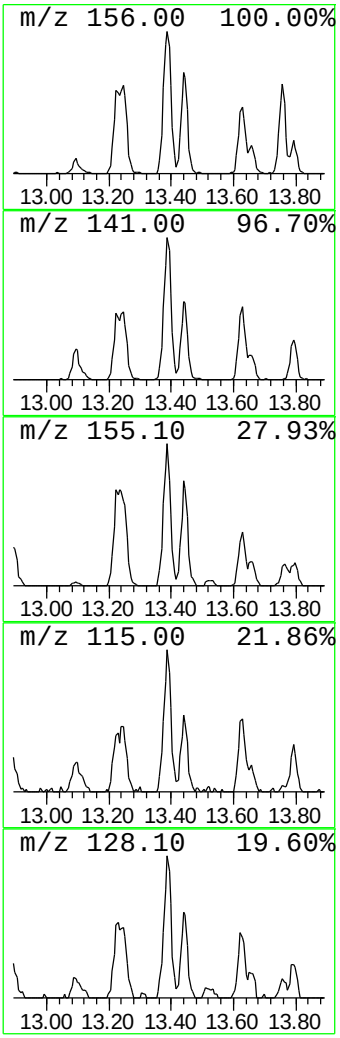
****

Peak Number 2 Naphthalene, 2,6-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	6.38 ng/ul	516754	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

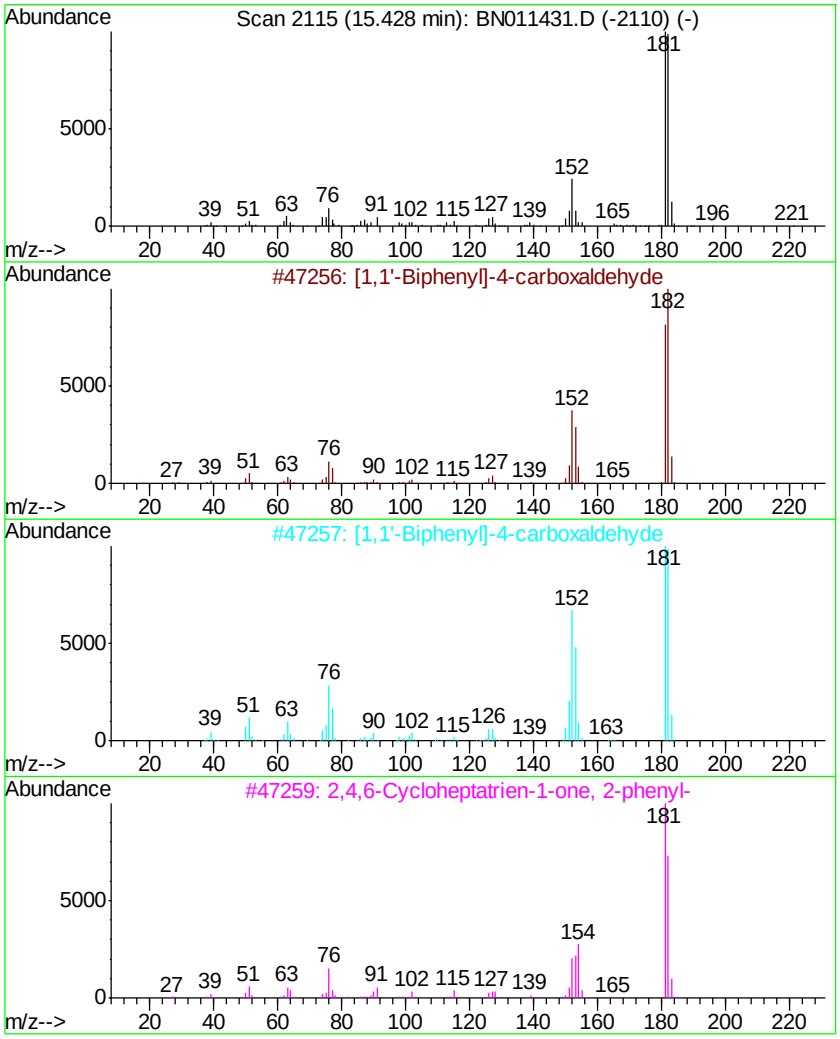
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

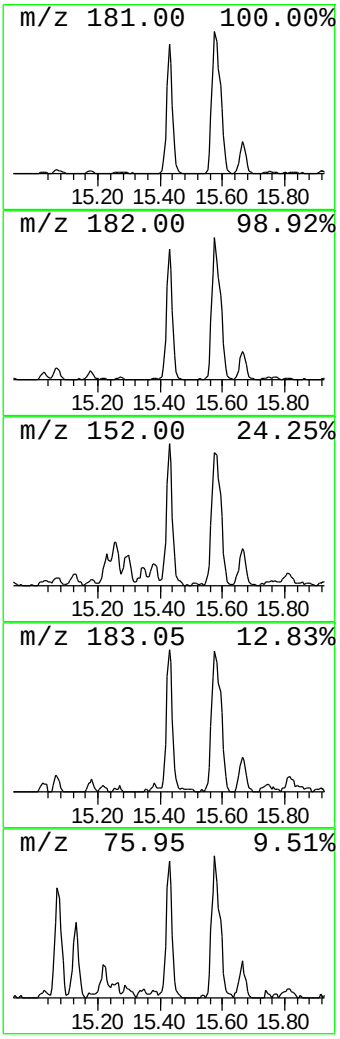
****

Peak Number 3 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	10.14 ng/ul	821414	Acenaphthene-d10	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

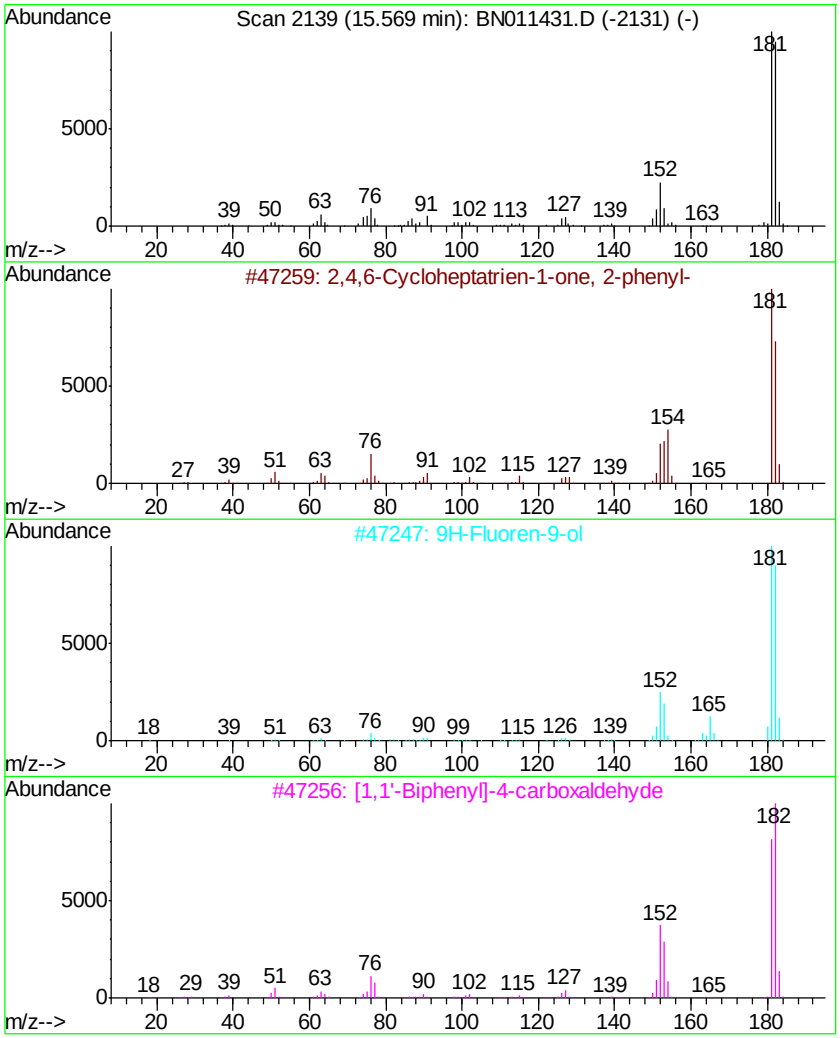
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

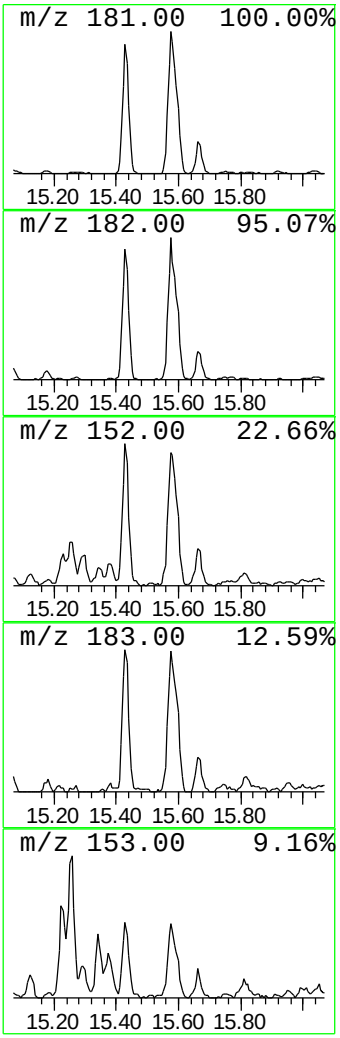
****

Peak Number 4 2,4,6-Cycloheptatrien-1-one... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	13.38 ng/ul	1204000	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	58
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	56





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

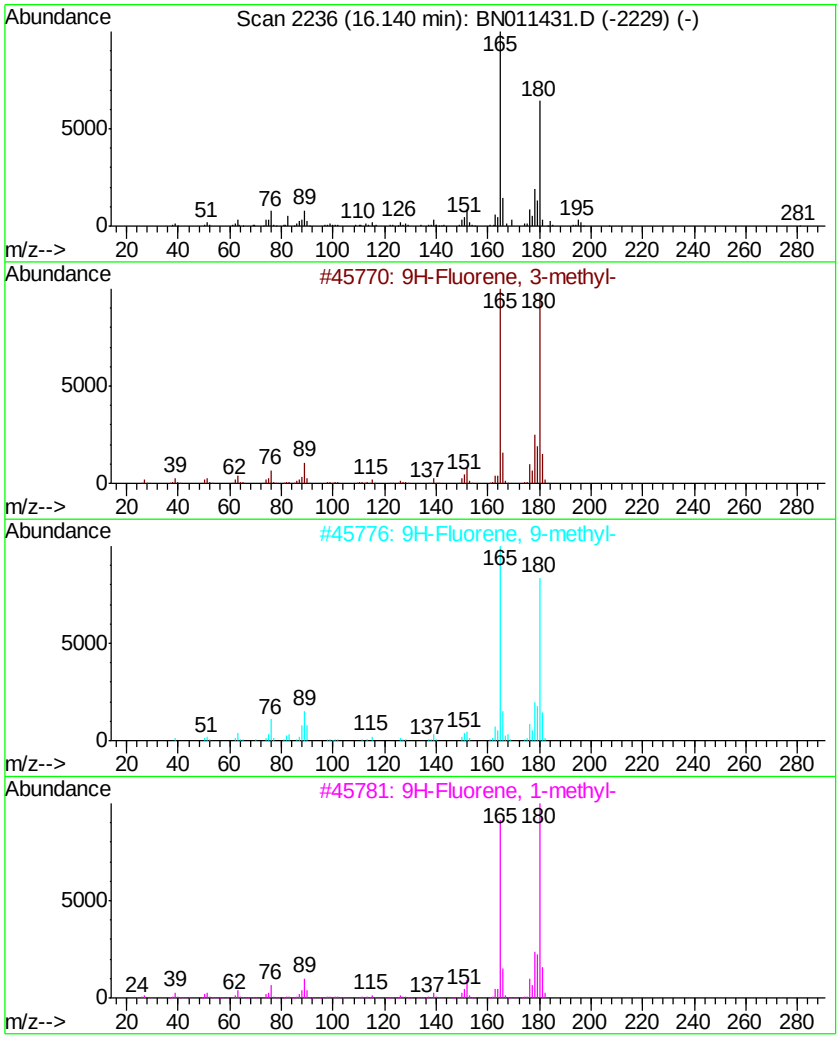
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

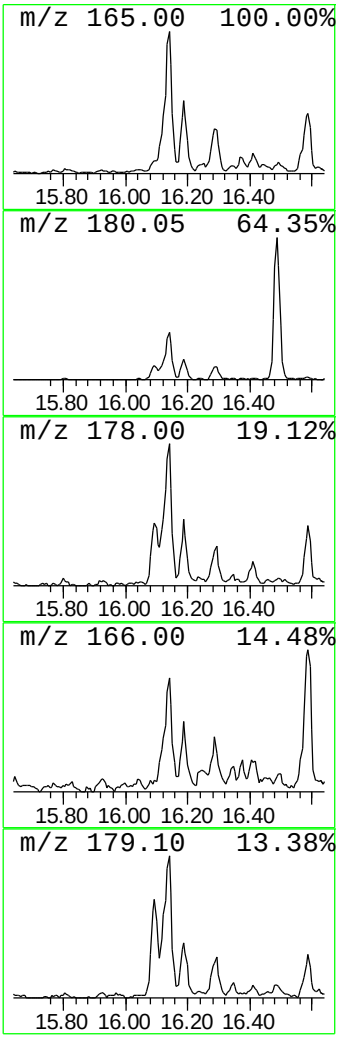
****

Peak Number 5 9H-Fluorene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	10.23 ng/ul	920658	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
5	(E)-Stilbene	180	C14H12	000103-30-0	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

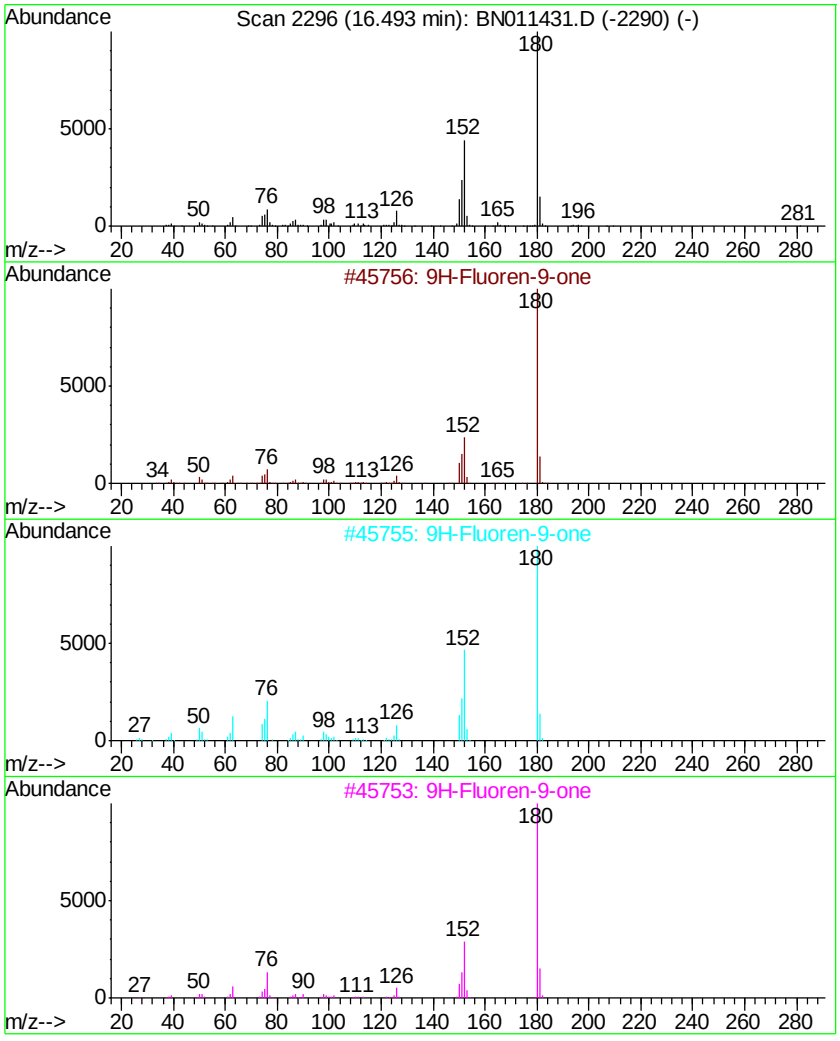
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

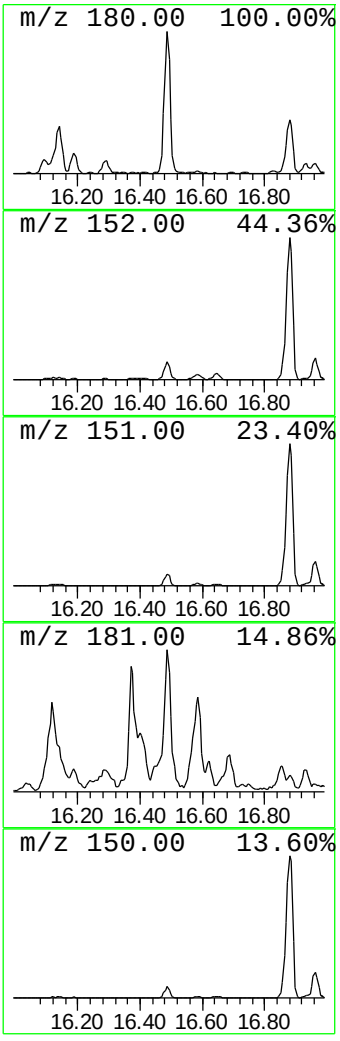
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	12.73 ng/ul	1145340	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

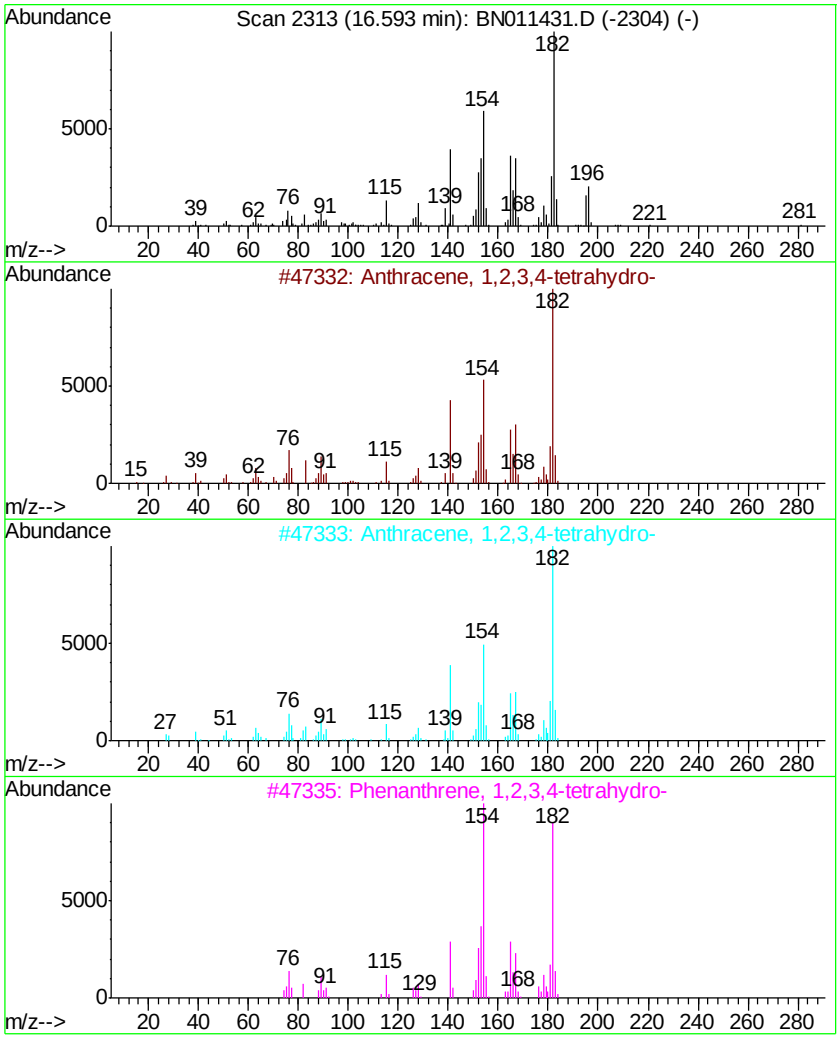
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

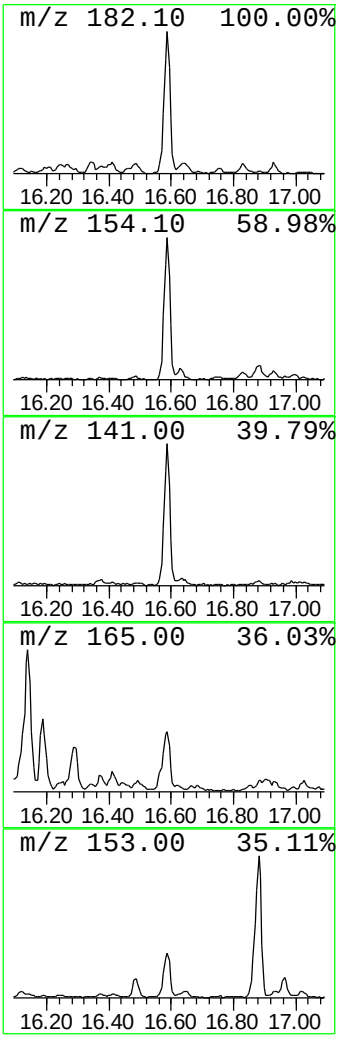
****

Peak Number 7 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	15.06 ng/ul	1355510	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	64
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

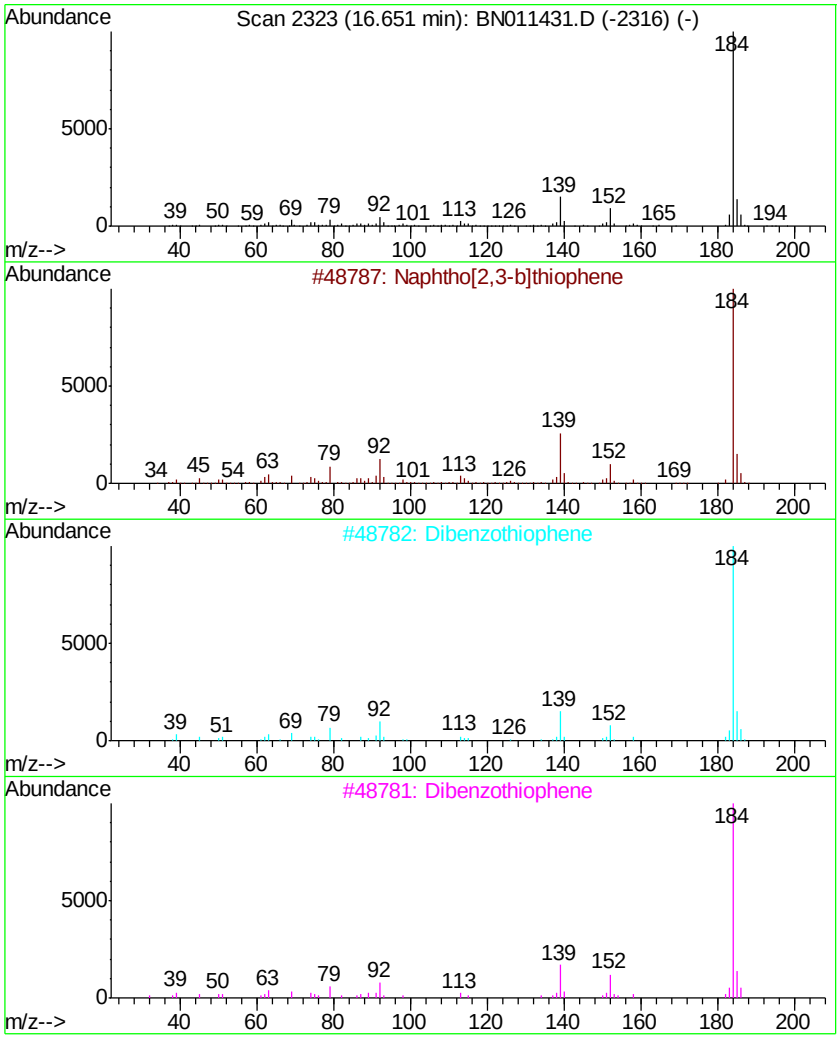
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

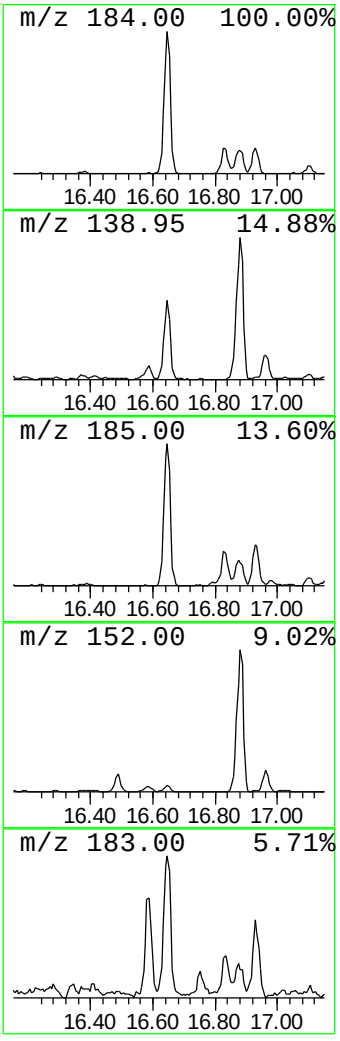
****

Peak Number 8 Naphtho[2,3-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	14.12 ng/ul	1270750	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

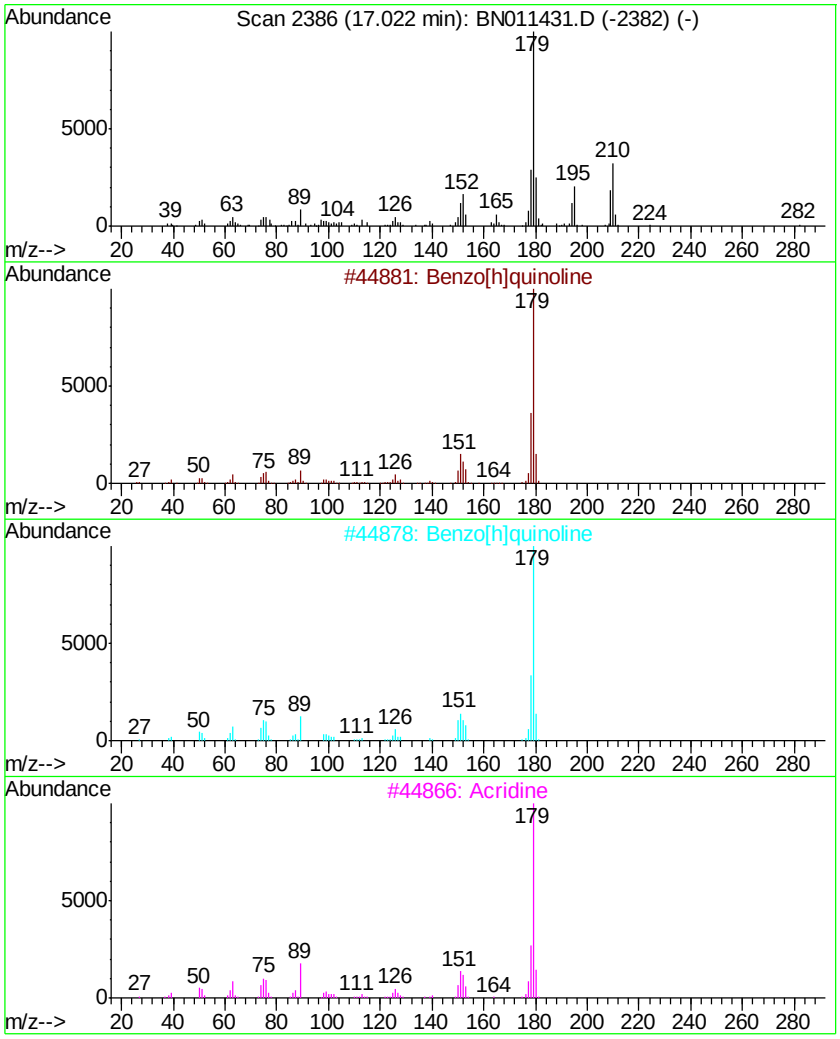
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

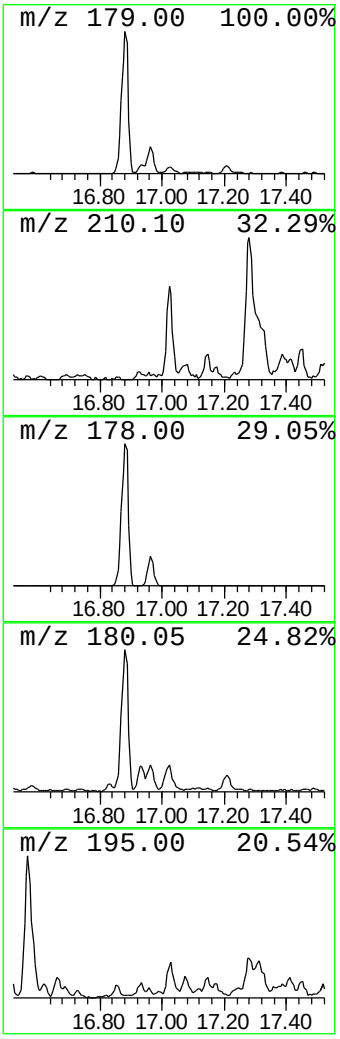
****

Peak Number 9 Benzo[h]quinoline Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	5.67 ng/ul	510485	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	91
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	60
3	Acridine	179	C13H9N	000260-94-6	60
4	Phenanthridine	179	C13H9N	000229-87-8	55
5	Phenanthridine	179	C13H9N	000229-87-8	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

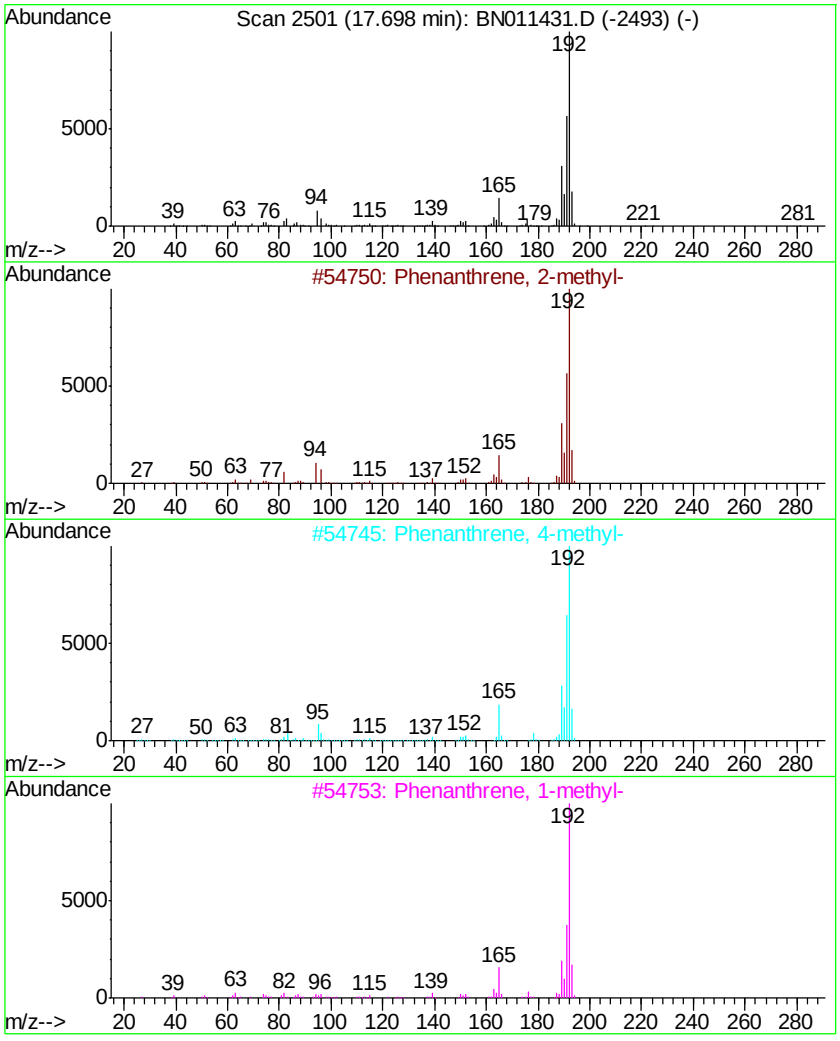
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

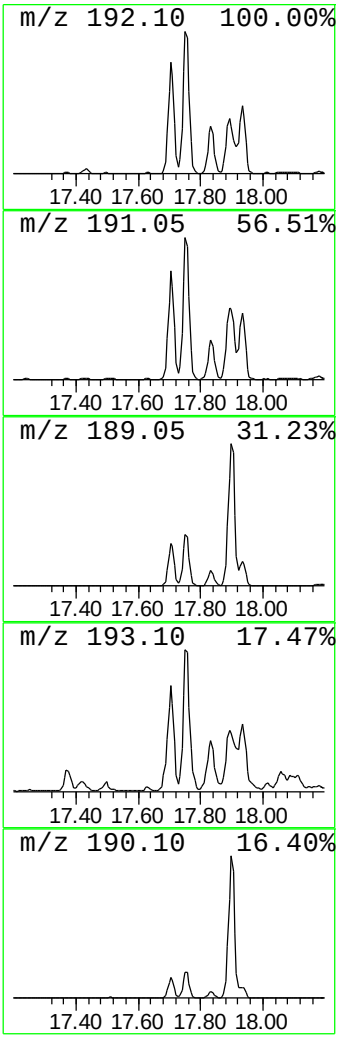
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	28.14 ng/ul	2532280	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

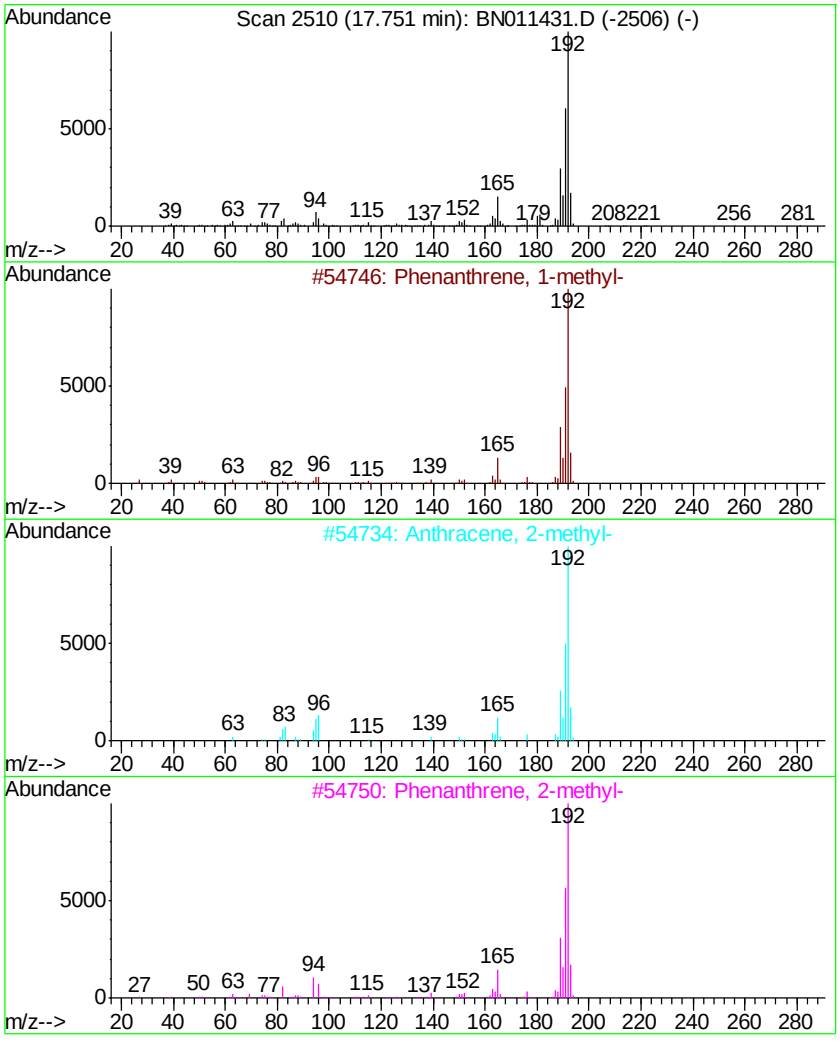
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

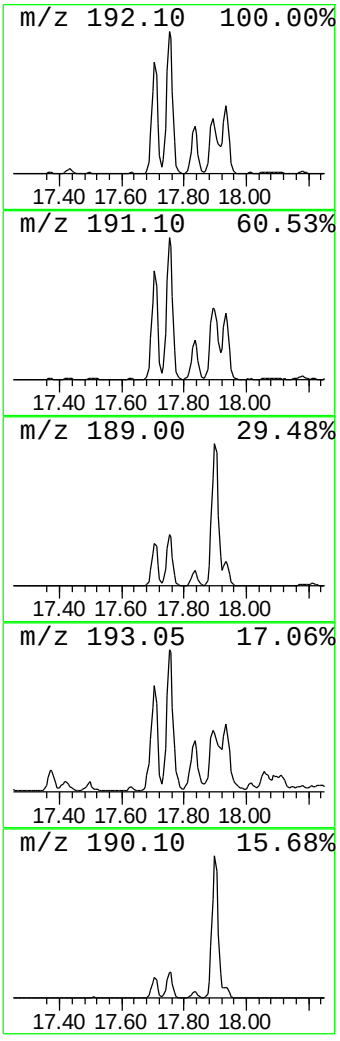
****

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	40.19 ng/ul	3616130	Phenanthrene-d10	16.83

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

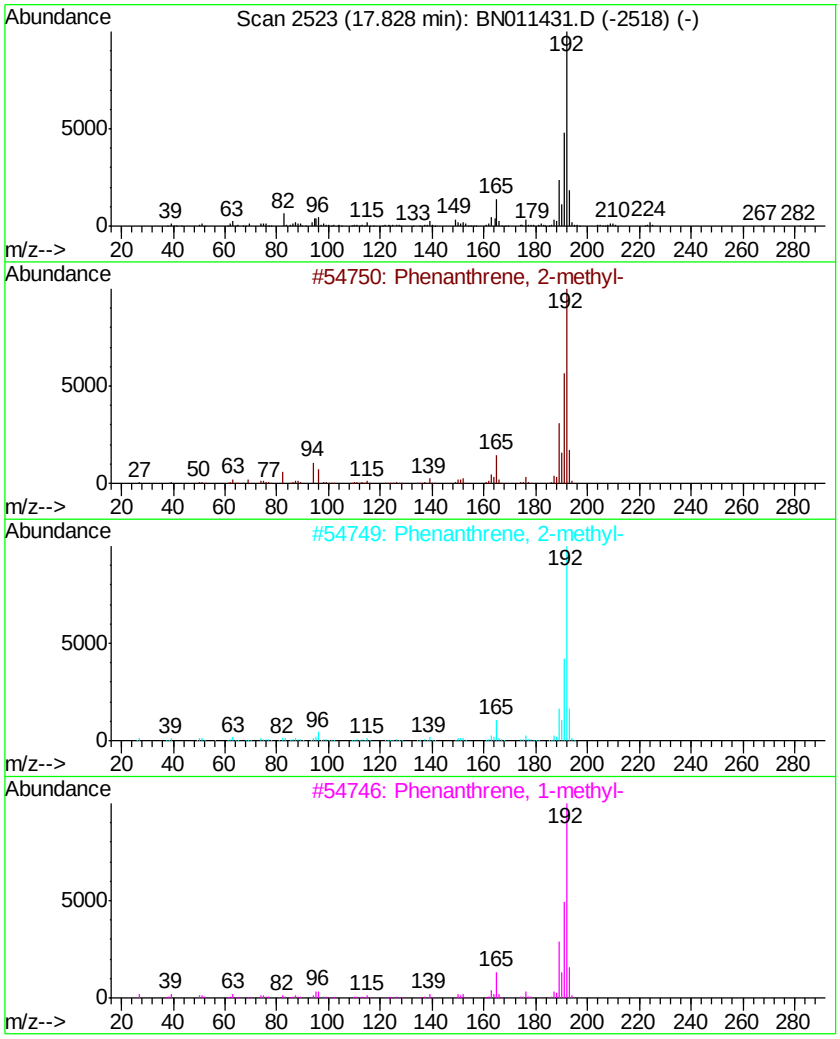
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

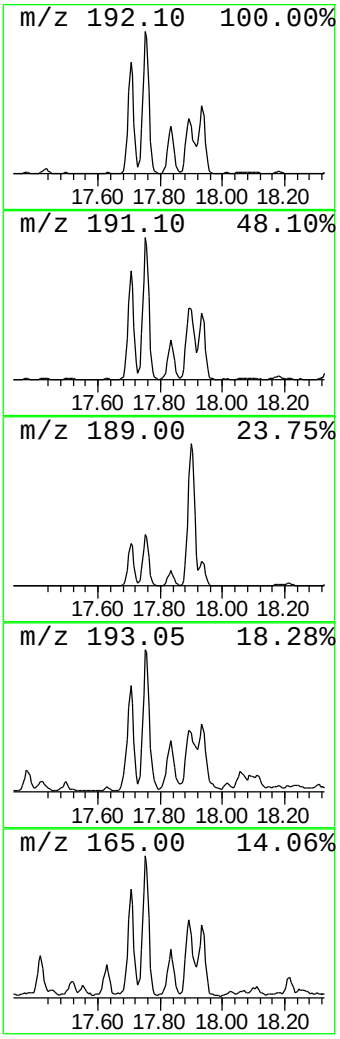
****

Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	12.51 ng/ul	1126110	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

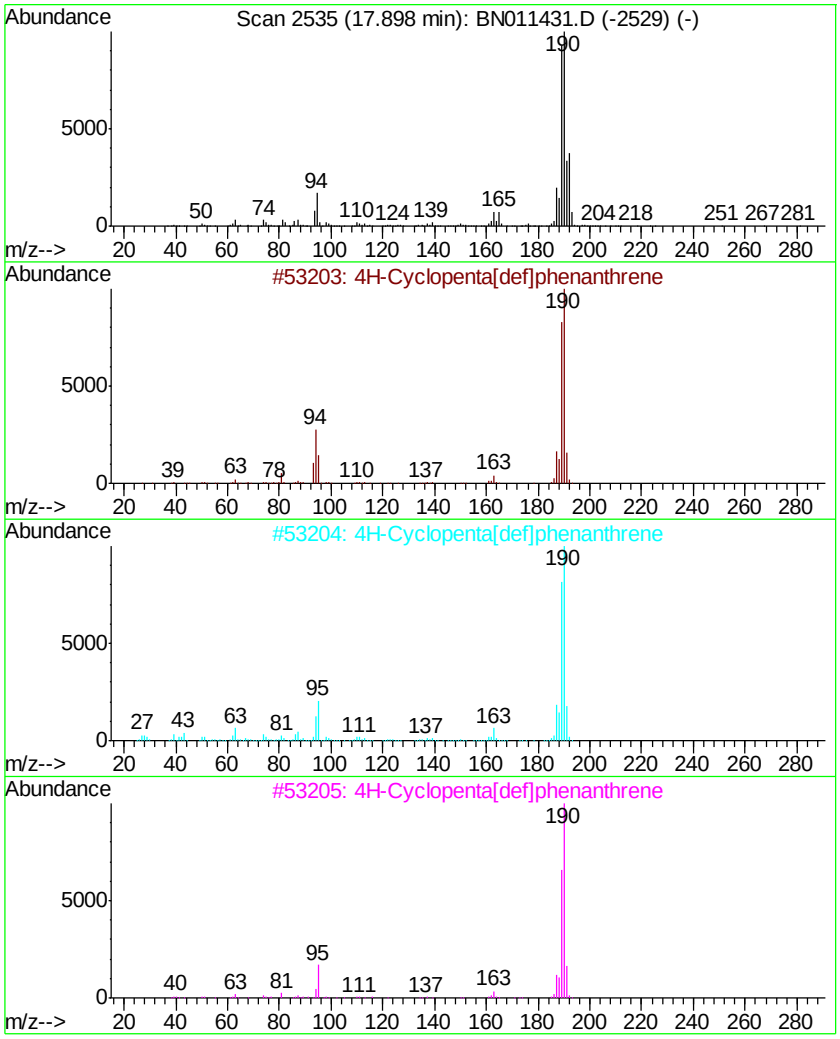
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

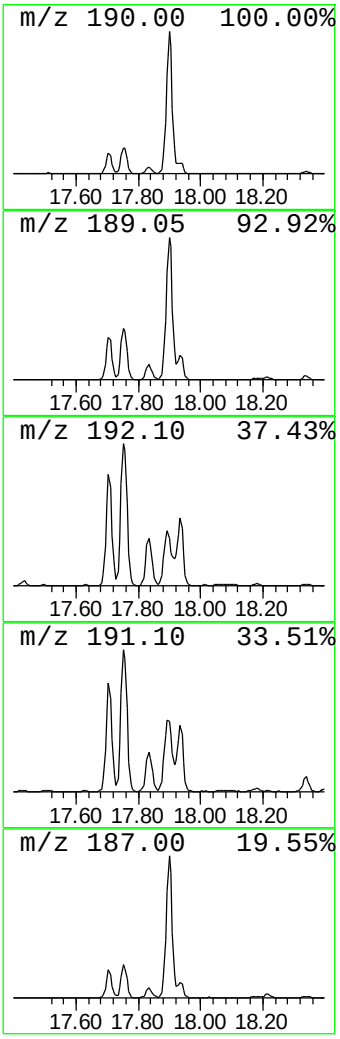
****

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	46.60 ng/ul	4193360	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

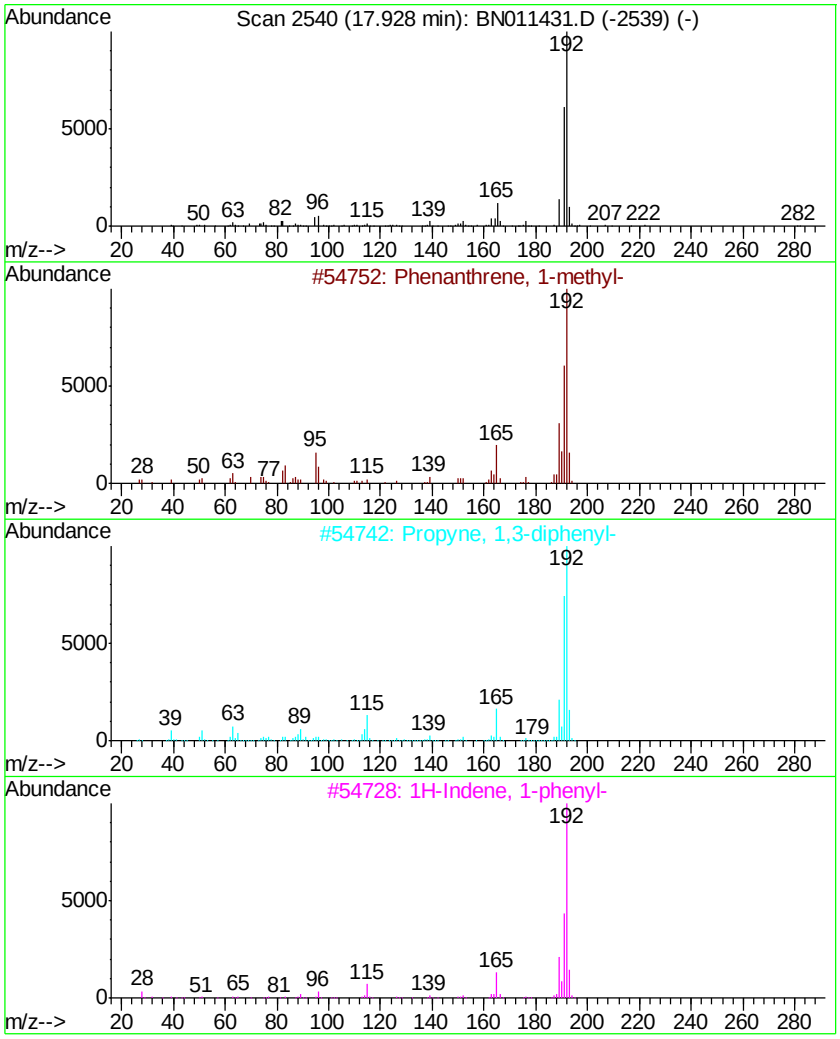
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

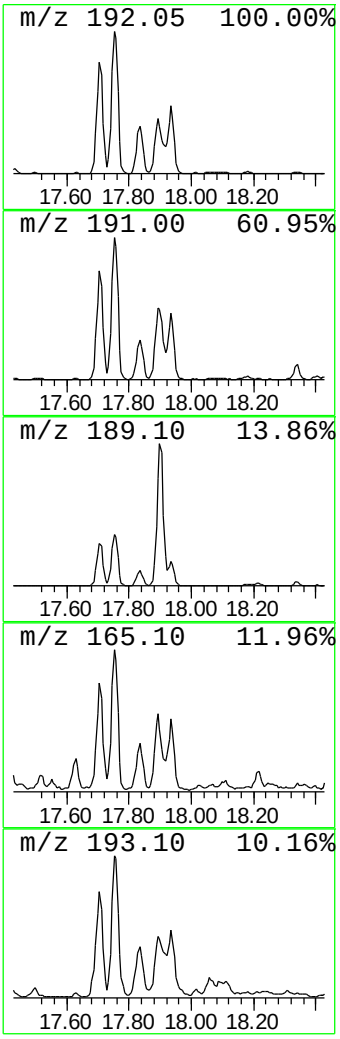
****

Peak Number 14 Propyne, 1,3-diphenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	14.44 ng/ul	1299660	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

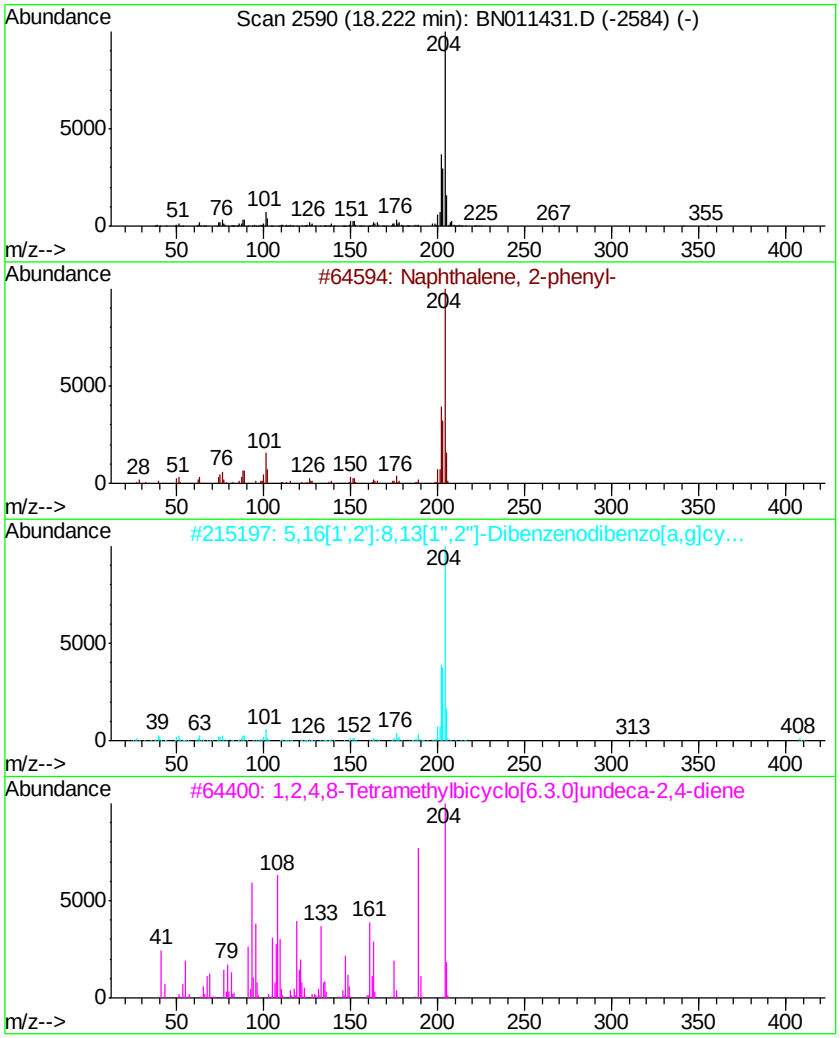
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

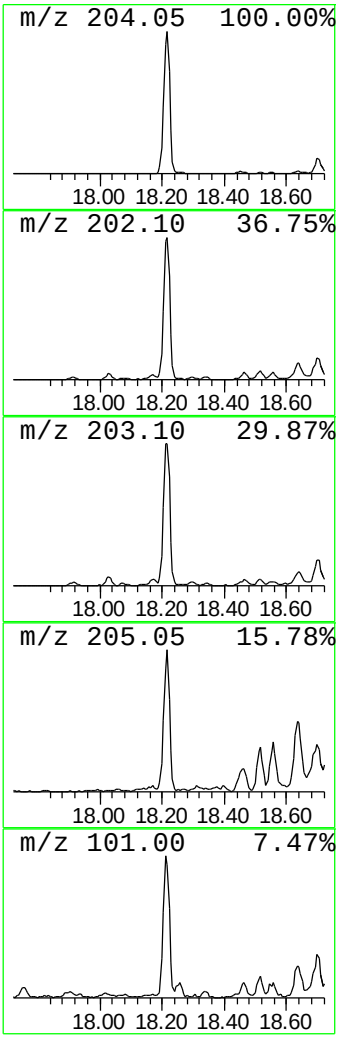
****

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	22.92 ng/ul	2062400	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

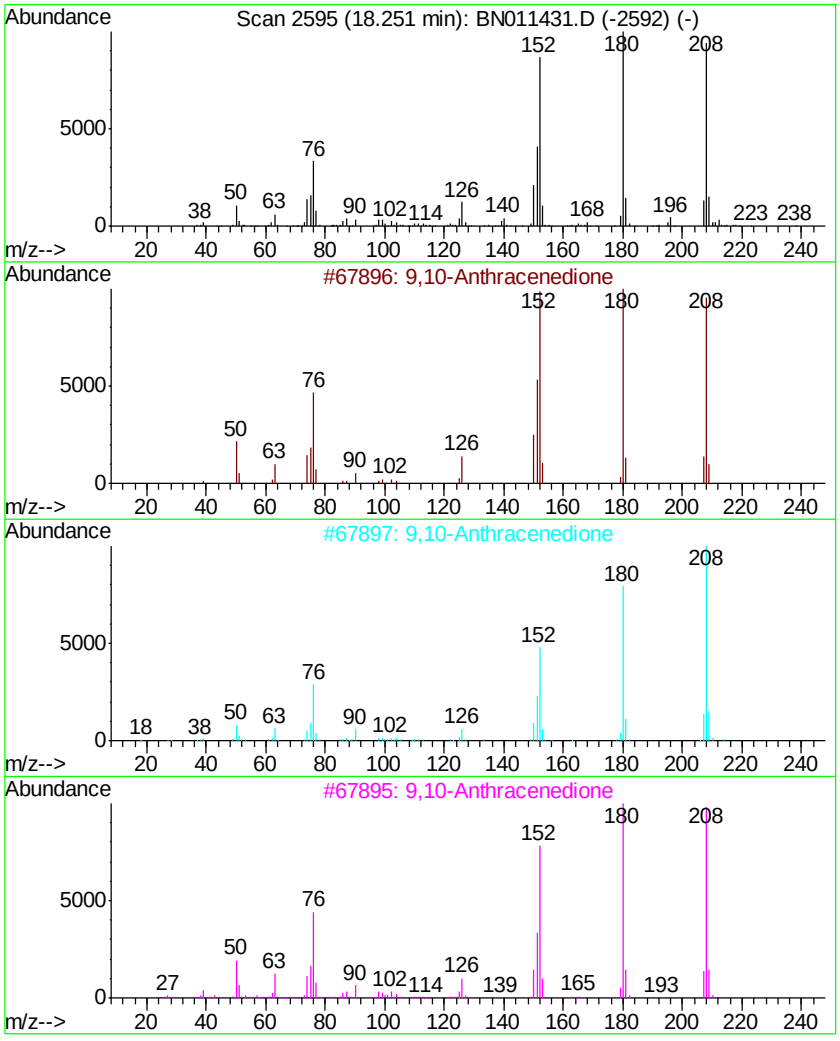
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

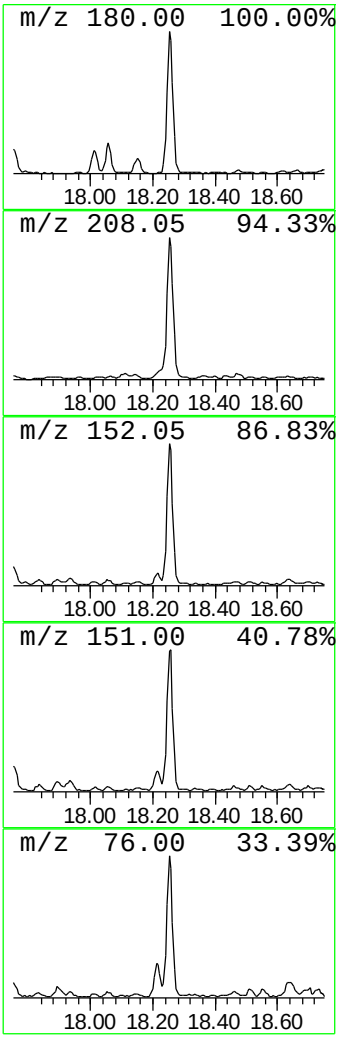
****

Peak Number 16 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	19.94 ng/ul	1793920	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

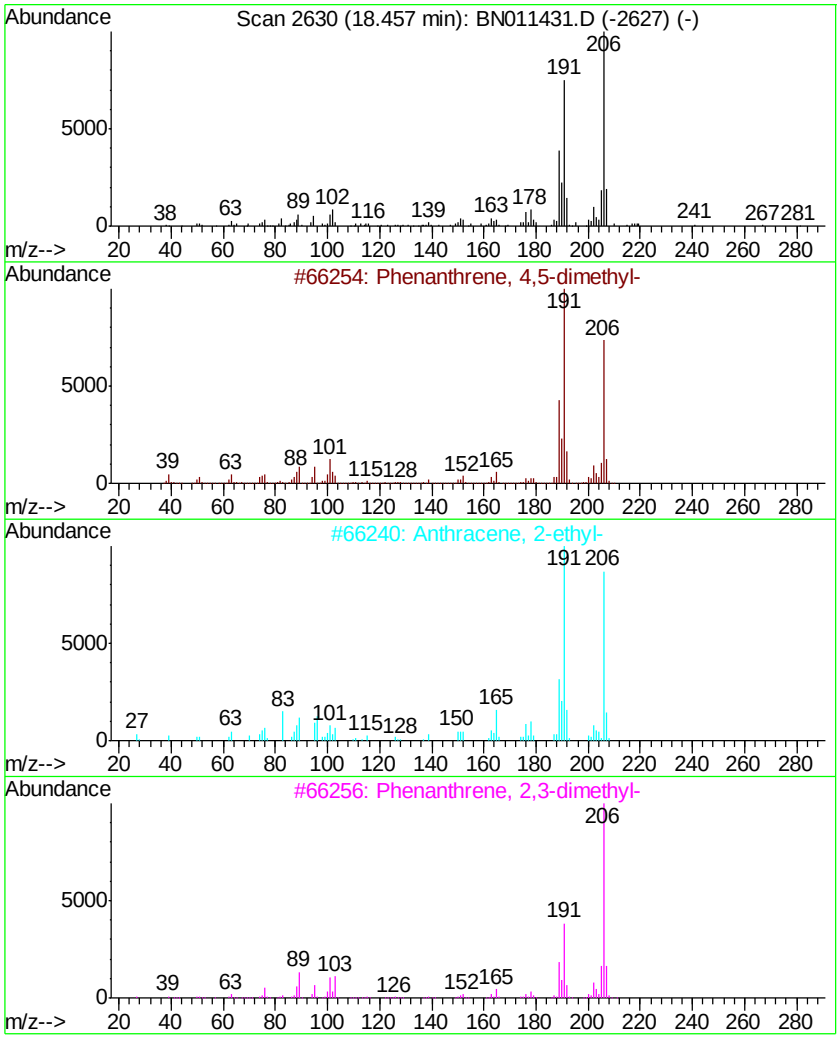
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

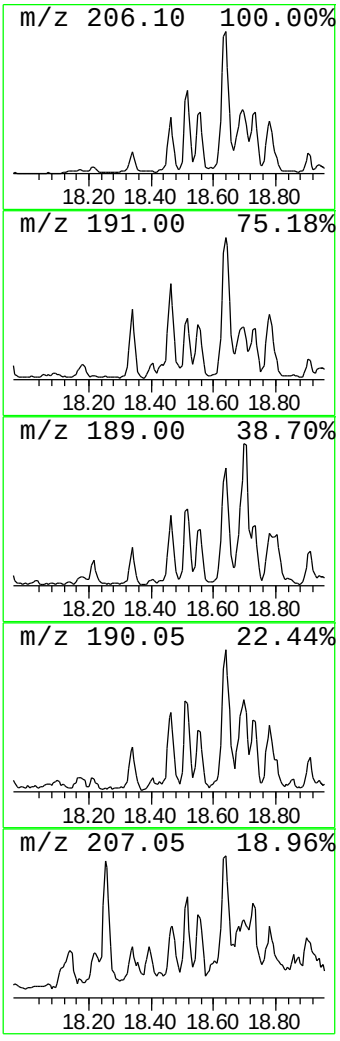
****

Peak Number 17 Phenanthrene, 4,5-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	4.98 ng/ul	448090	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

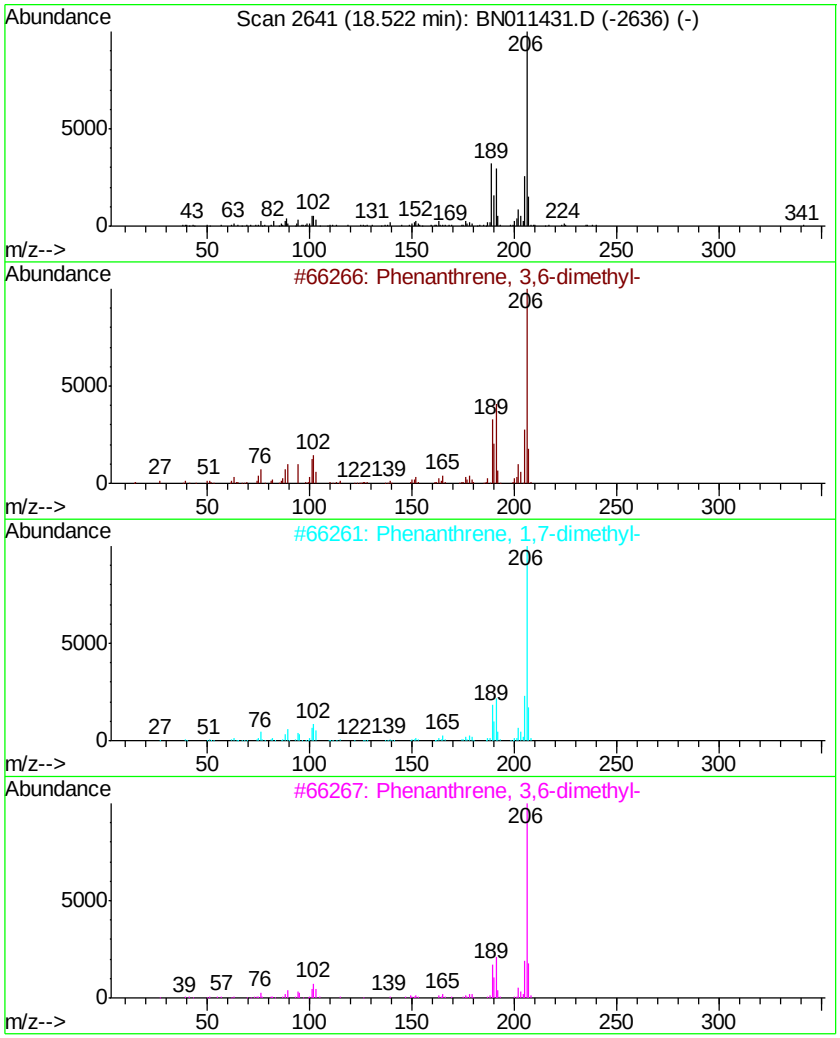
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

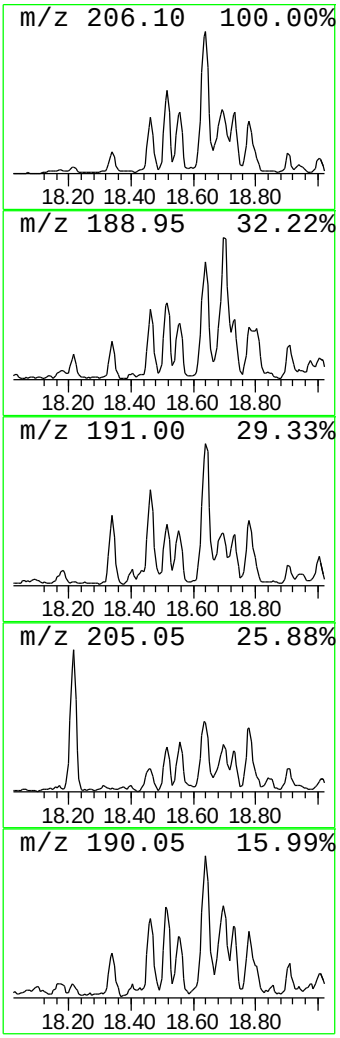
****

Peak Number 18 Phenanthrene, 3,6-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	5.01 ng/ul	450694	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

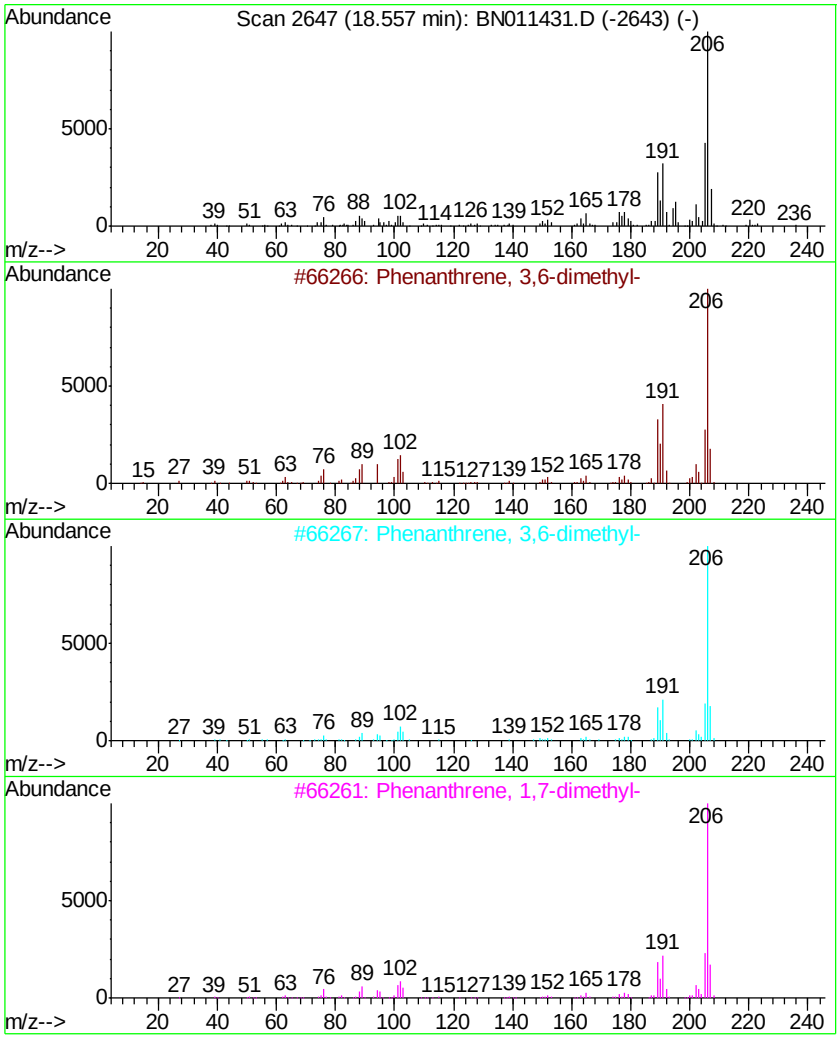
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

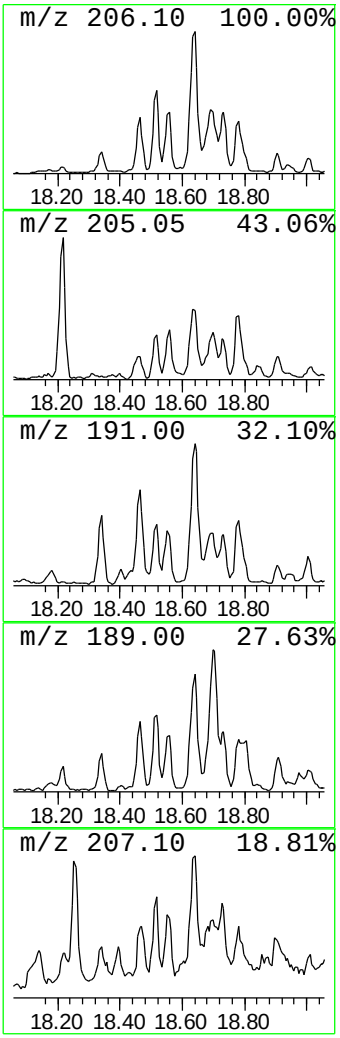
****

Peak Number 19 Phenanthrene, 1,7-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	5.07 ng/ul	455827	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	81
5	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

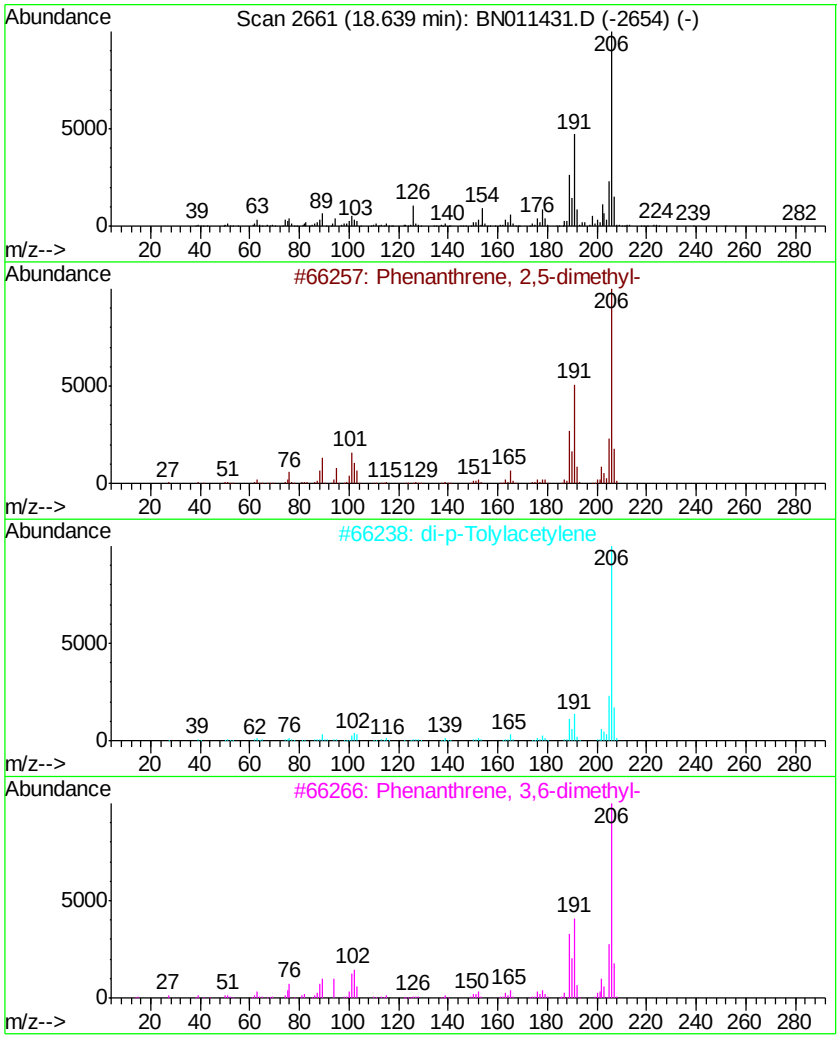
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

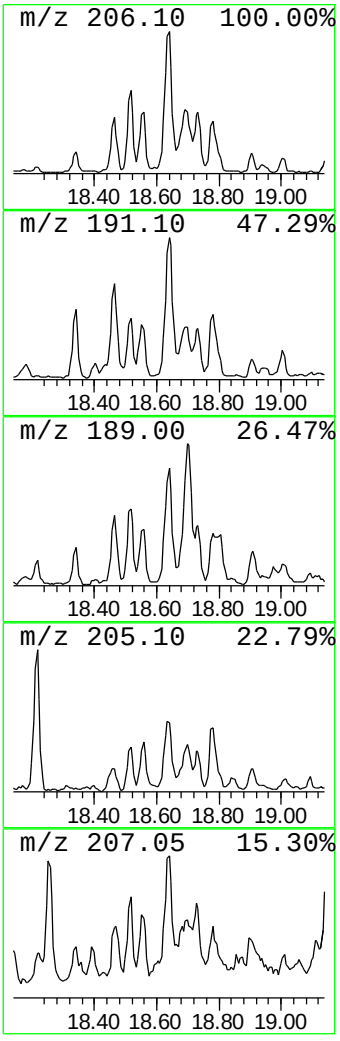
****

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	16.24 ng/ul	1460920	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

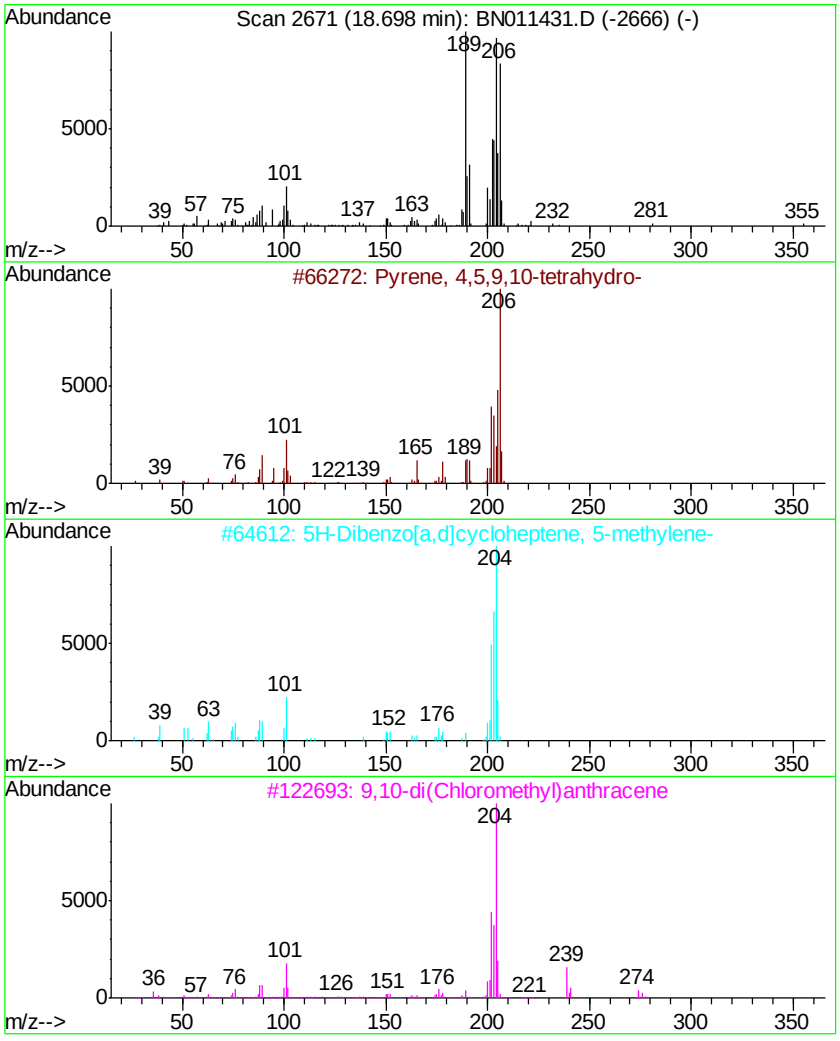
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

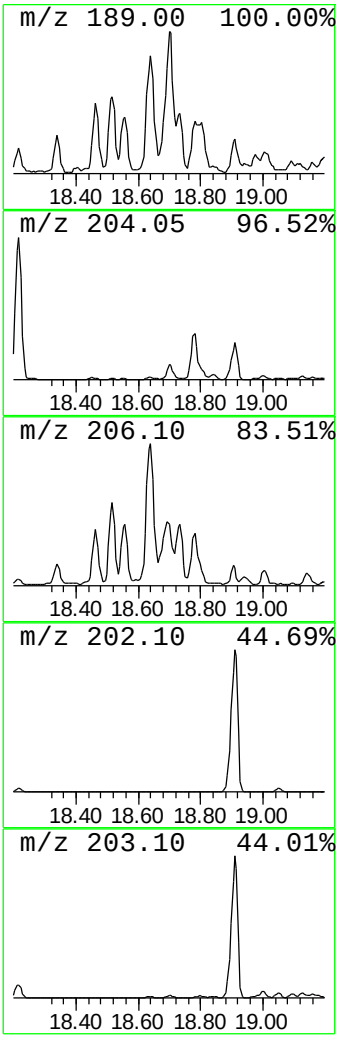
****

Peak Number 21 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	7.99 ng/ul	718551	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	48
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

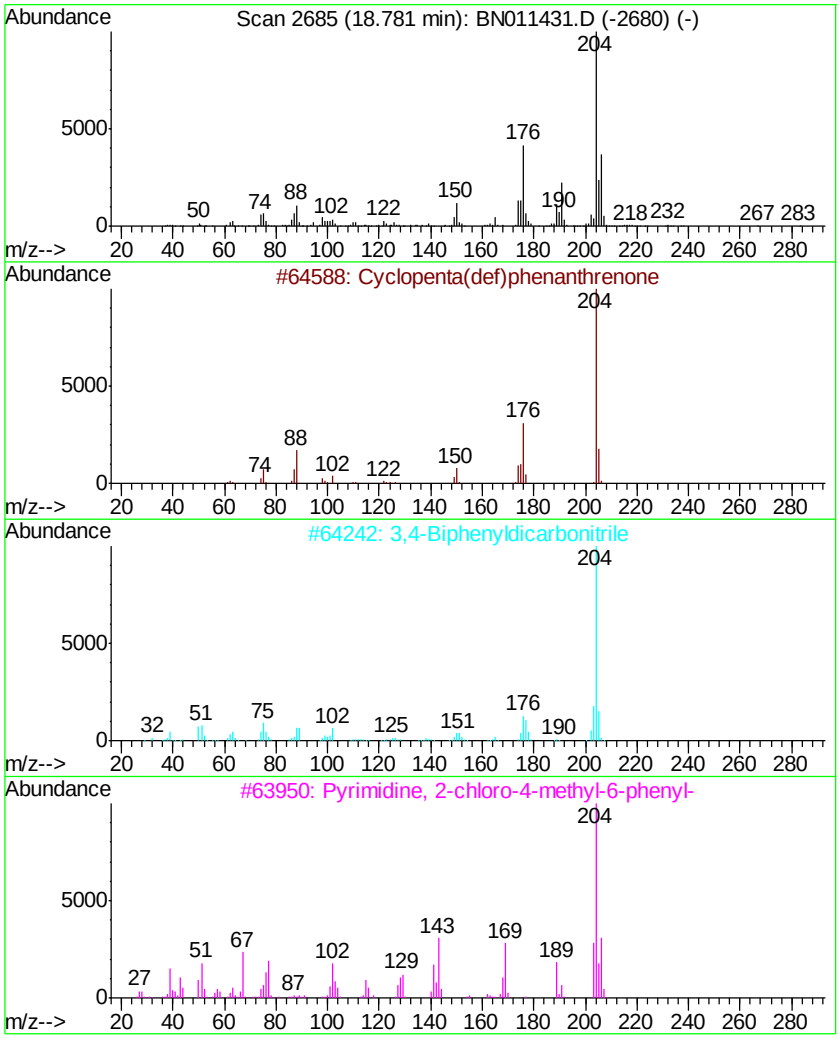
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

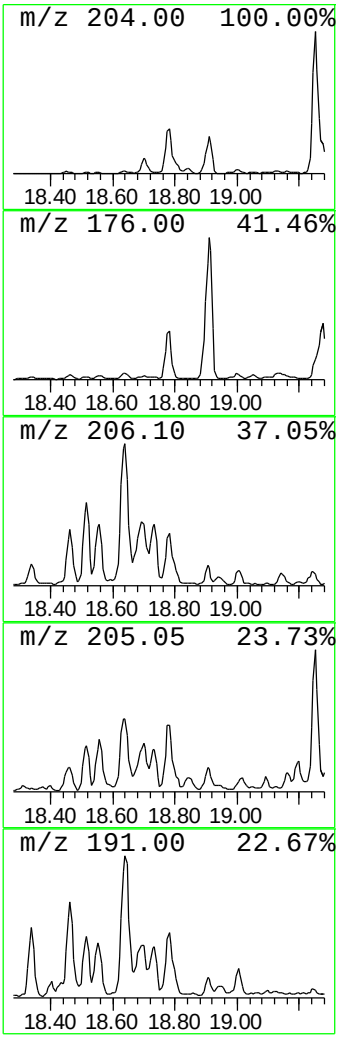
****

Peak Number 22 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	13.65 ng/ul	1228510	Phenanthrene-d10	16.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

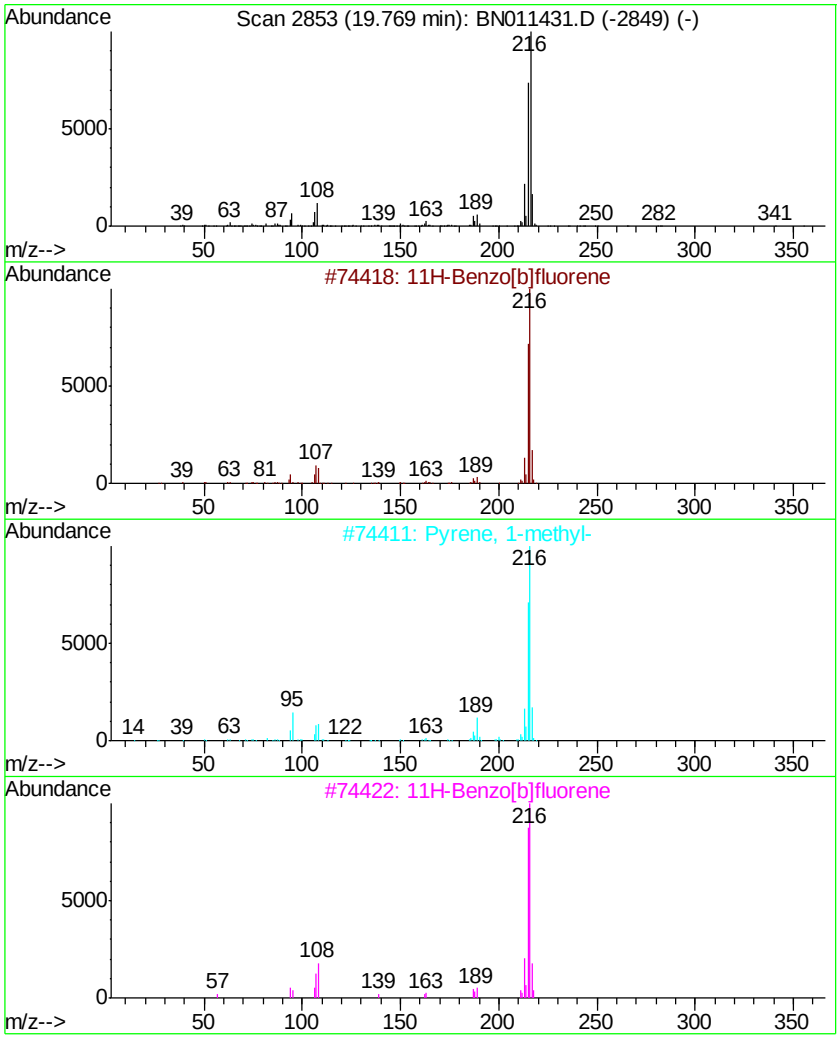
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

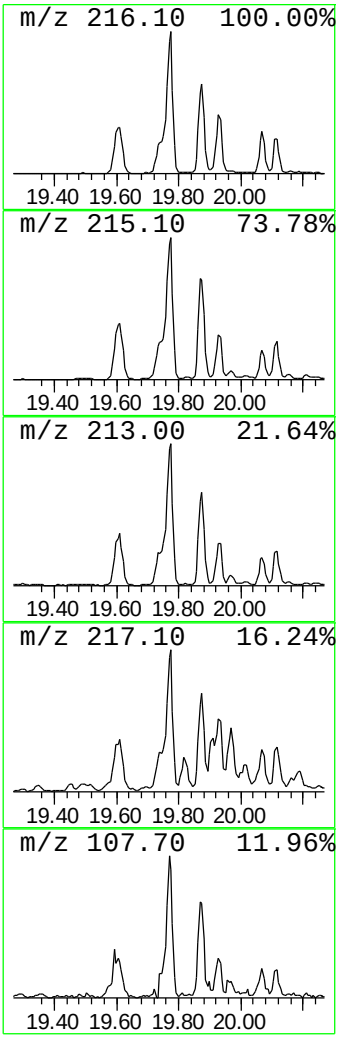
****

Peak Number 23 11H-Benzo[b]fluorene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	4.22 ng/ul	4164310	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

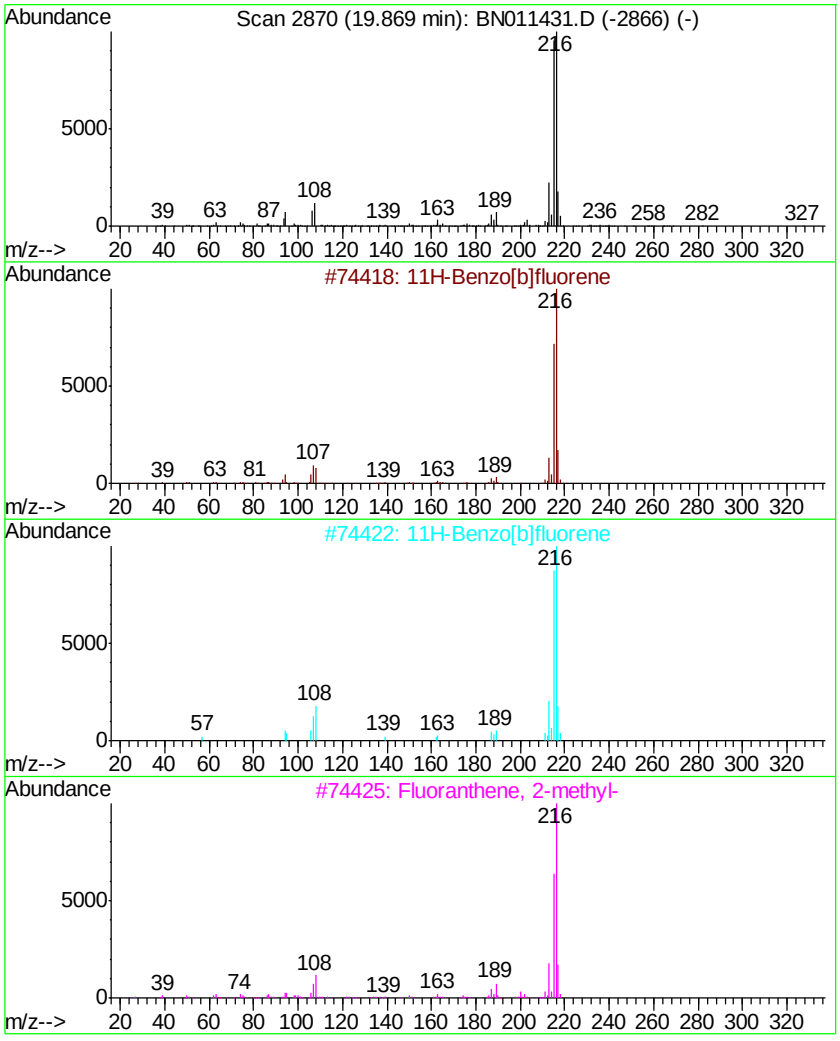
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

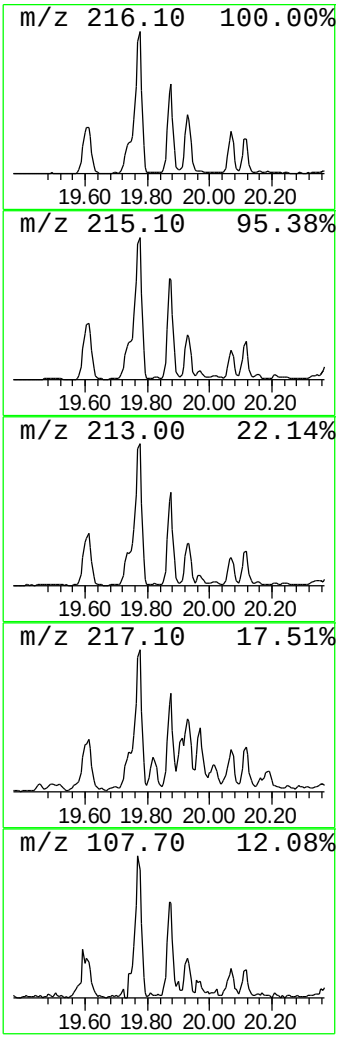
****

Peak Number 24 Fluoranthene, 2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.46 ng/ul	2429900	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

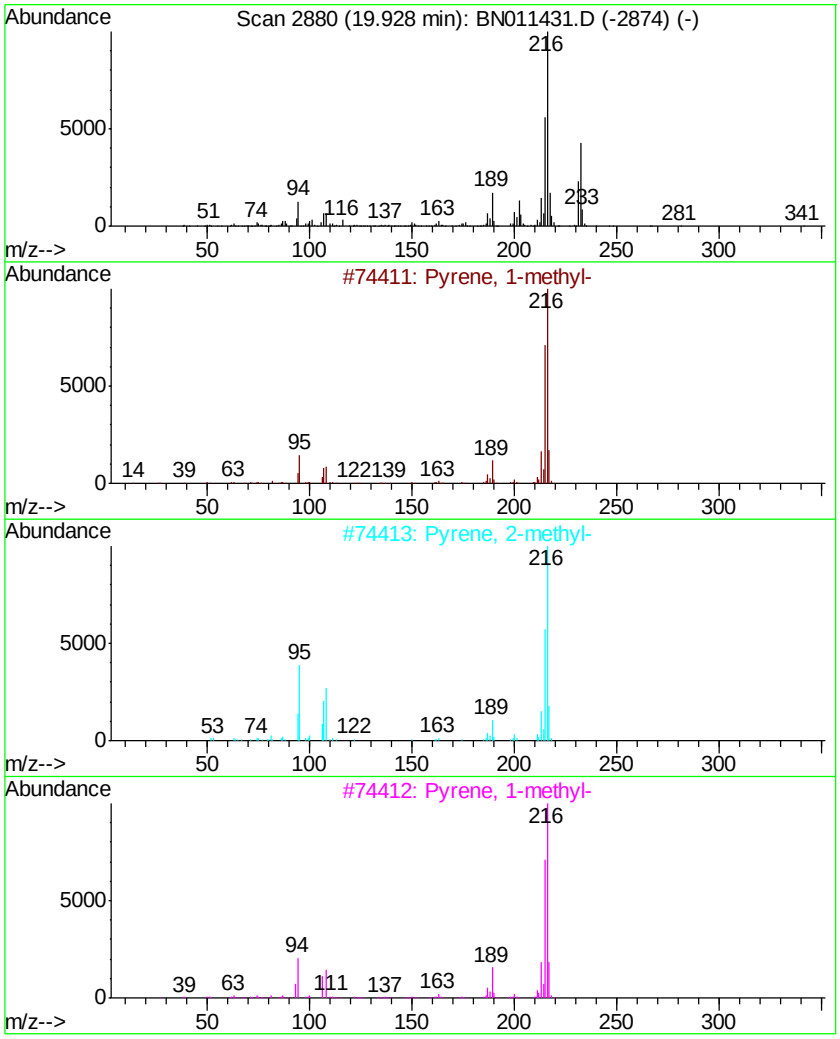
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

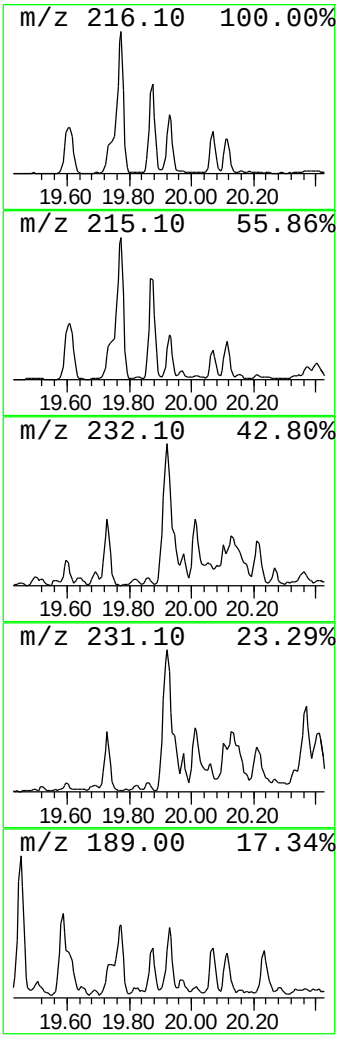
****

Peak Number 25 Pyrene, 1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	2.53 ng/ul	2495840	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

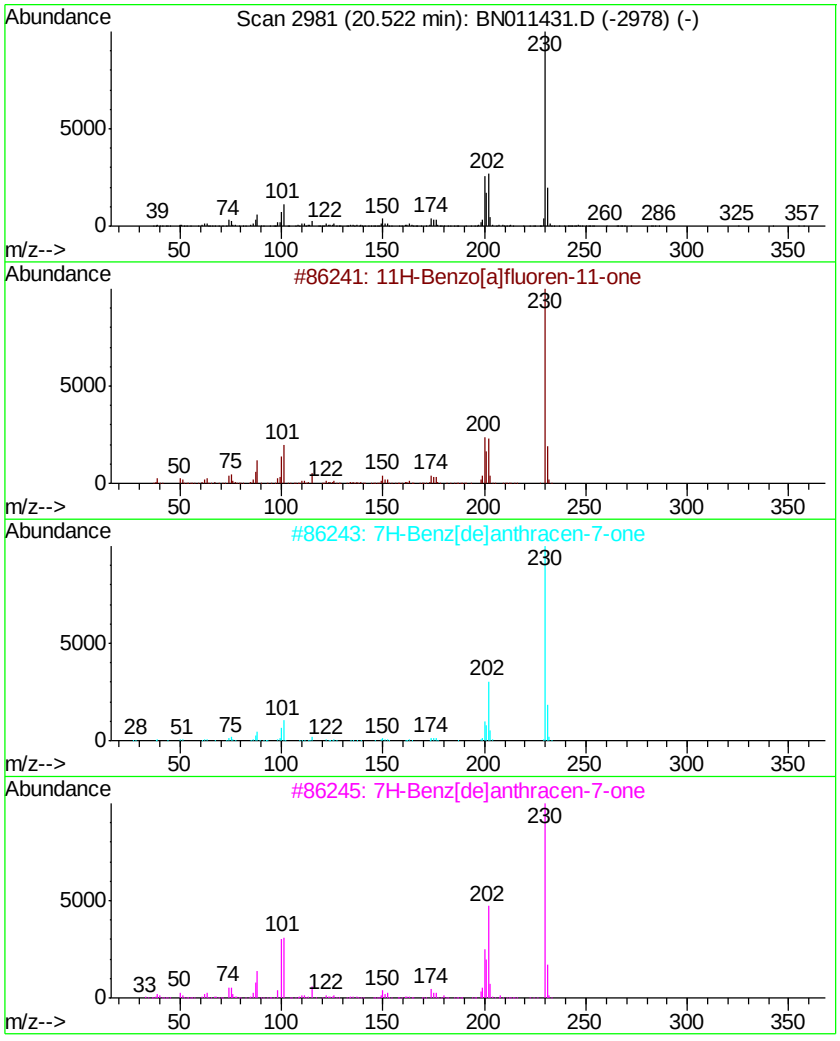
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

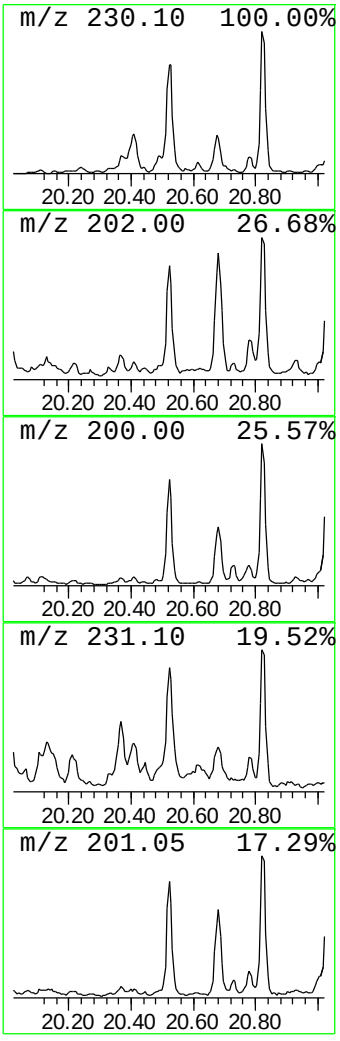
****

Peak Number 26 11H-Benzo[a]fluoren-11-one Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	2.05 ng/ul	2028230	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

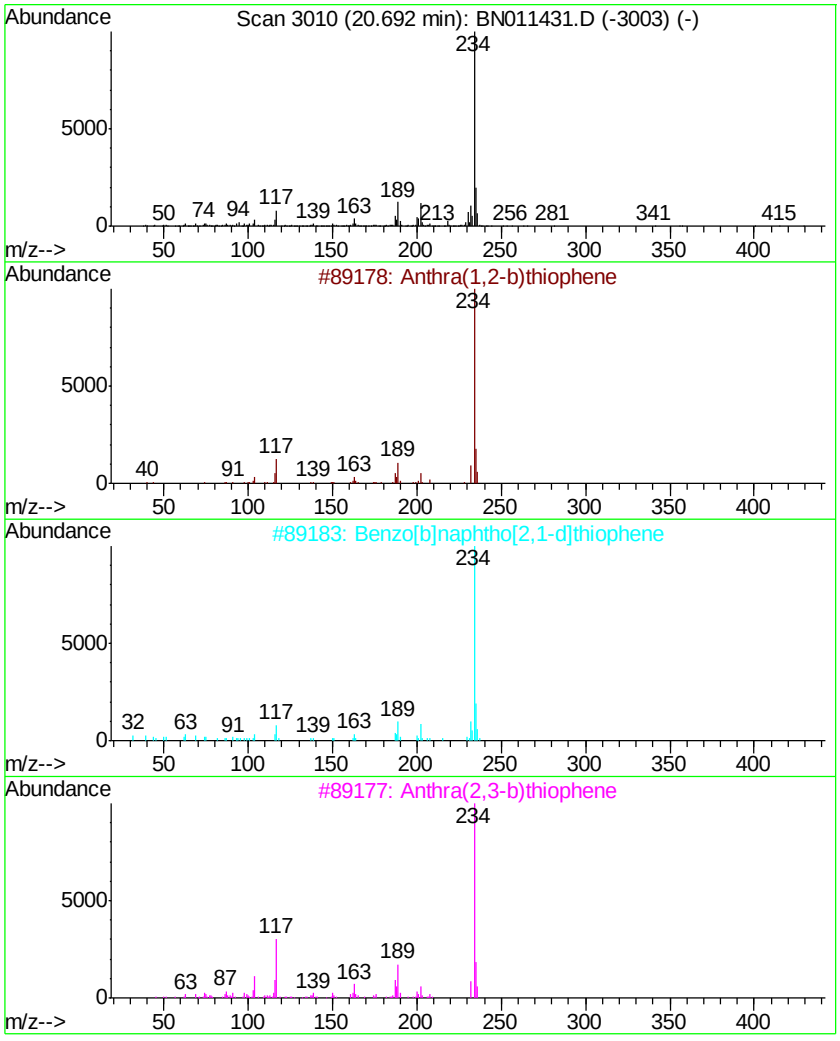
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

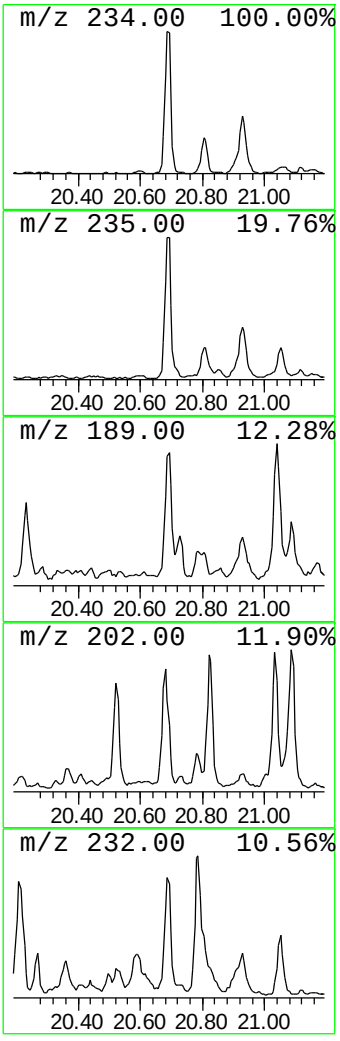
****

Peak Number 27 Anthra(1,2-b)thiophene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	2.83 ng/ul	2798390	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	96
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	93
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

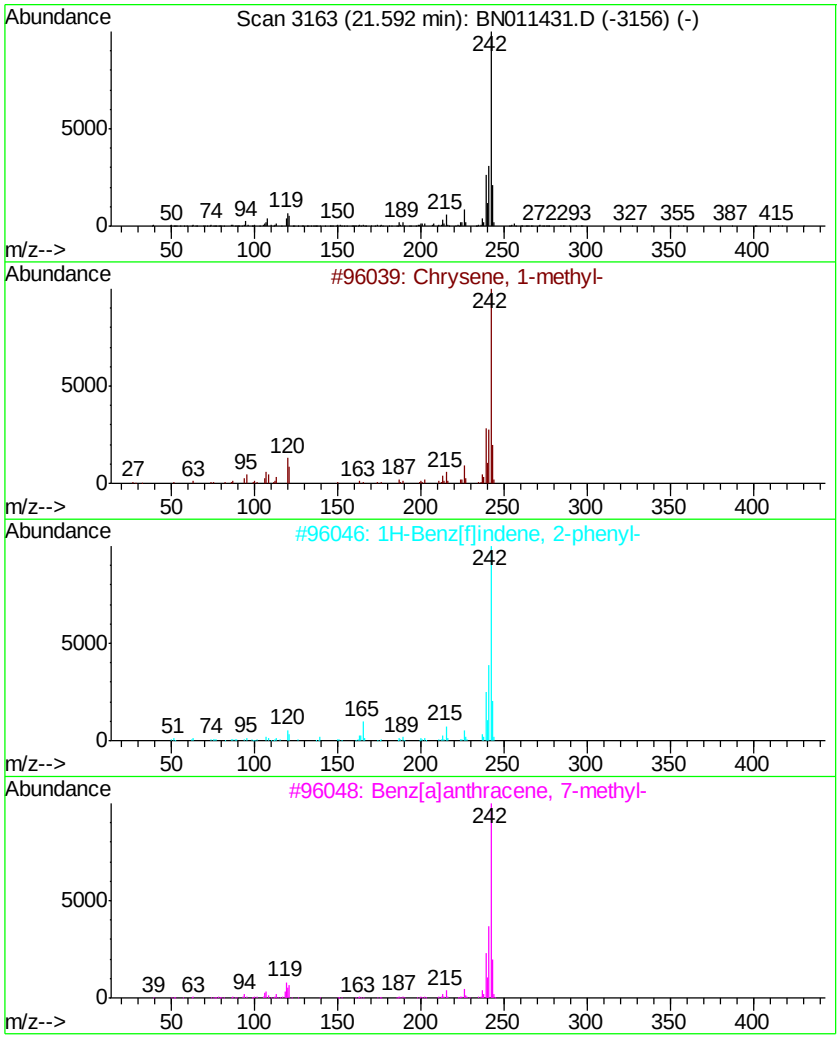
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

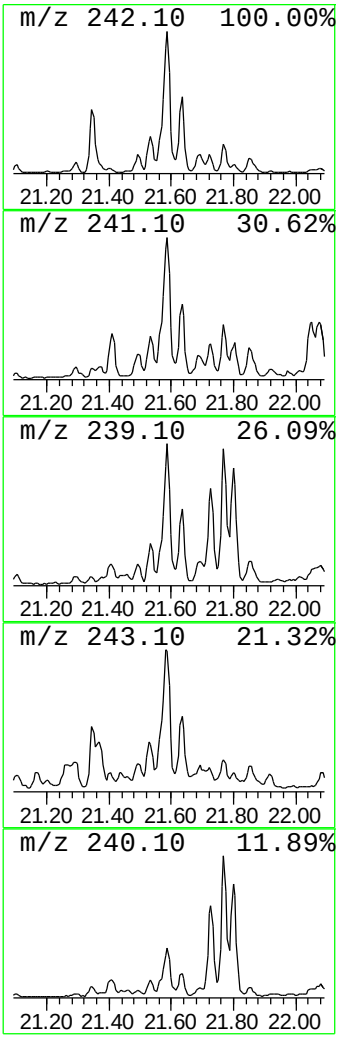
****

Peak Number 29 Chrysene, 1-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.36 ng/ul	2326800	Chrysene-d12	21.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	95
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

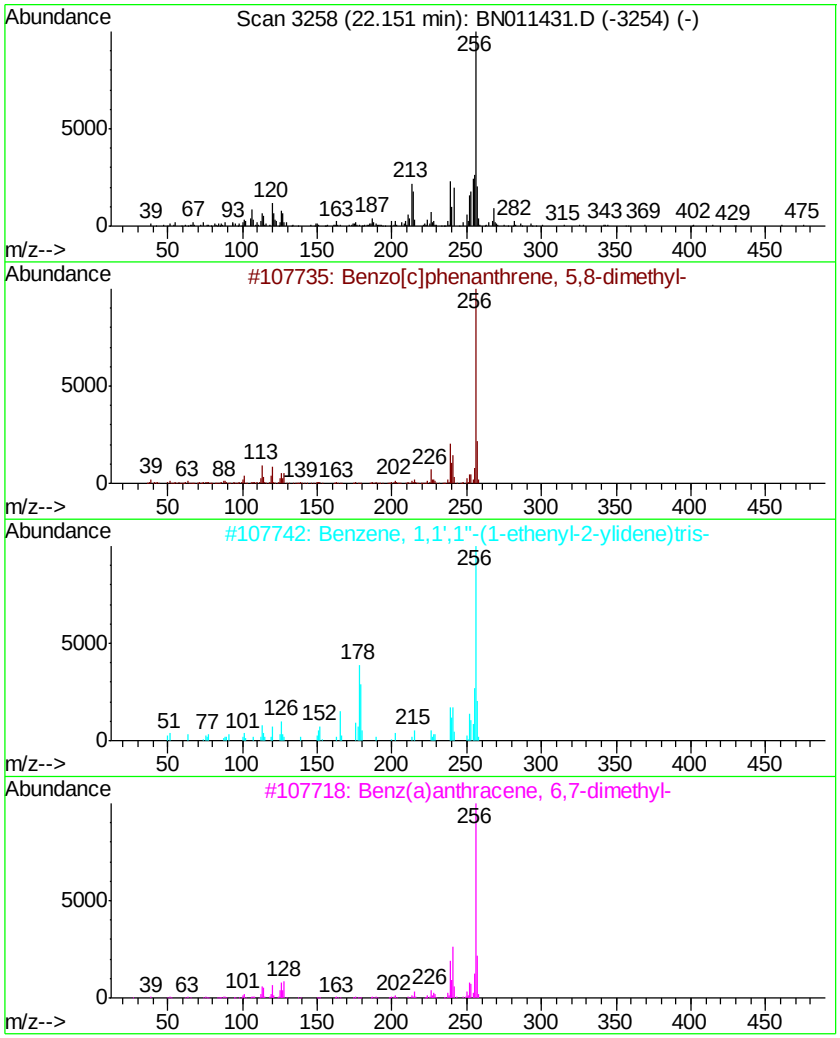
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

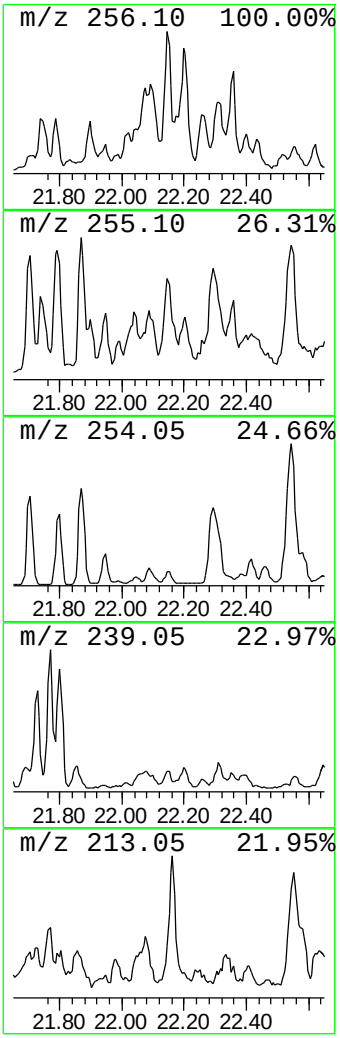
****

Peak Number 30 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.15	4.31 ng/ul	515807	Perylene-d12	23.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	76
2	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	72
3	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	68
4	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	62
5	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION

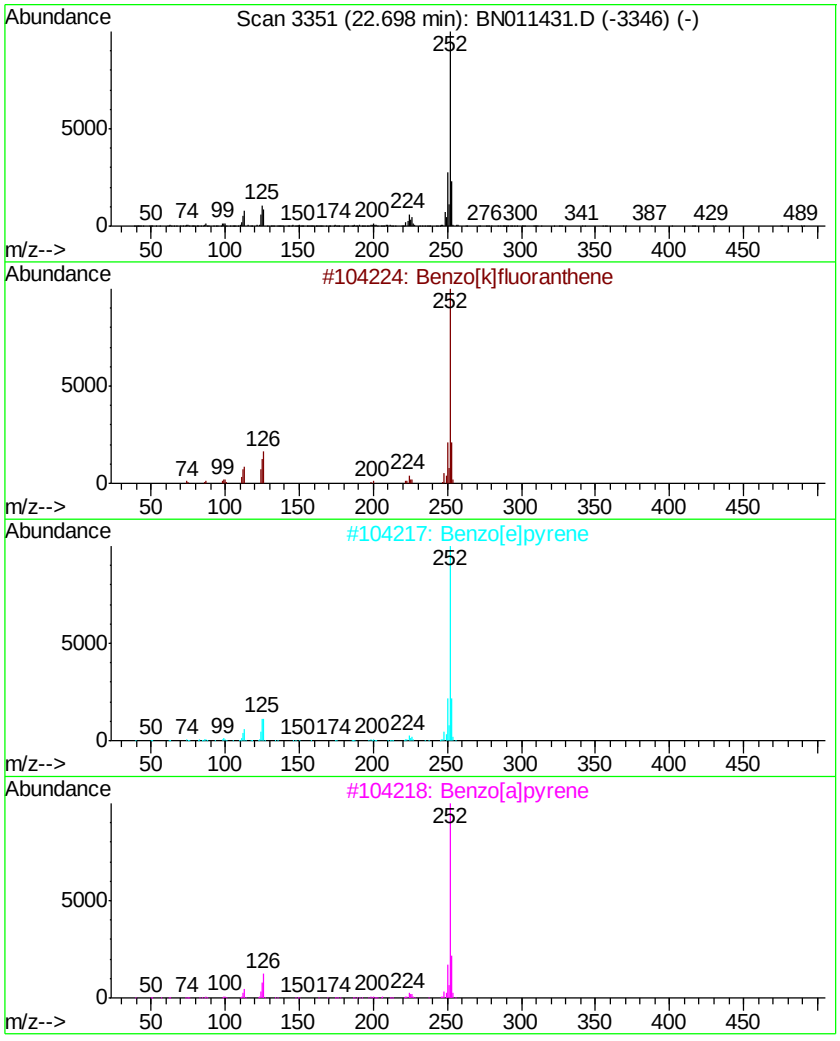
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

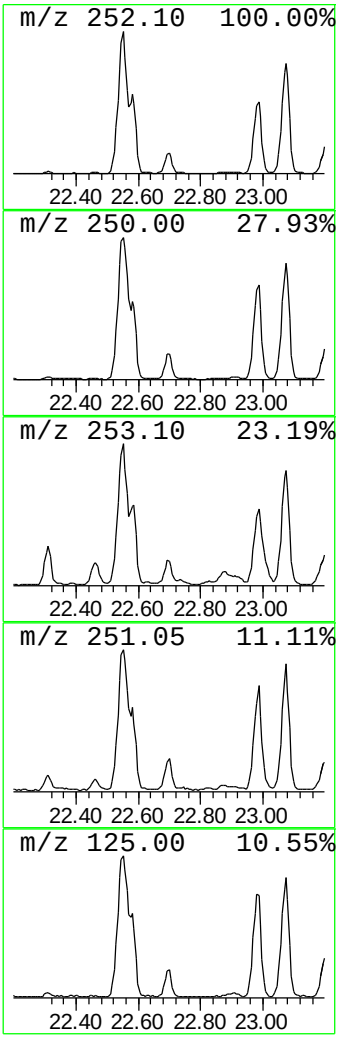
****

Peak Number 32 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.70	14.14 ng/ul	1692320	Perylene-d12	23.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081420\
Data File : BN011431.D
Acq On : 14 Aug 2020 18:12
Operator : CG/JU
Sample : L3631-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFMM6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.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
Naphthalene, 1-me...	12.08	8.9	ng/ul	485551	2	10.18	1094790	20.0
Naphthalene, 2,6-...	13.39	6.4	ng/ul	516754	3	14.07	1619780	20.0
[1,1'-Biphenyl]-4...	15.43	10.1	ng/ul	821414	3	14.07	1619780	20.0
2,4,6-Cycloheptat...	15.57	13.4	ng/ul	1204000	4	16.83	1799720	20.0
9H-Fluorene, 3-me...	16.14	10.2	ng/ul	920658	4	16.83	1799720	20.0
9H-Fluoren-9-one	16.49	12.7	ng/ul	1145340	4	16.83	1799720	20.0
Anthracene, 1,2,3...	16.59	15.1	ng/ul	1355510	4	16.83	1799720	20.0
Naphtho[2,3-b]thi...	16.65	14.1	ng/ul	1270750	4	16.83	1799720	20.0
Benzo[h]quinoline	17.02	5.7	ng/ul	510485	4	16.83	1799720	20.0
Phenanthrene, 2-m...	17.70	28.1	ng/ul	2532280	4	16.83	1799720	20.0
Phenanthrene, 1-m...	17.75	40.2	ng/ul	3616130	4	16.83	1799720	20.0
1H-Cyclopropa[l]p...	17.83	12.5	ng/ul	1126110	4	16.83	1799720	20.0
4H-Cyclopenta[def...	17.90	46.6	ng/ul	4193360	4	16.83	1799720	20.0
Propyne, 1,3-diph...	17.93	14.4	ng/ul	1299660	4	16.83	1799720	20.0
Naphthalene, 2-ph...	18.22	22.9	ng/ul	2062400	4	16.83	1799720	20.0
9,10-Anthracenedione	18.25	19.9	ng/ul	1793920	4	16.83	1799720	20.0
Phenanthrene, 4,5...	18.46	5.0	ng/ul	448090	4	16.83	1799720	20.0
Phenanthrene, 3,6...	18.52	5.0	ng/ul	450694	4	16.83	1799720	20.0
Phenanthrene, 1,7...	18.56	5.1	ng/ul	455827	4	16.83	1799720	20.0
Phenanthrene, 2,5...	18.64	16.2	ng/ul	1460920	4	16.83	1799720	20.0
unknown-01	18.70	8.0	ng/ul	718551	4	16.83	1799720	20.0
Cyclopenta(def)ph...	18.78	13.7	ng/ul	1228510	4	16.83	1799720	20.0
11H-Benzo[b]fluorene	19.77	4.2	ng/ul	4164310	5	21.05	19750700	20.0
Fluoranthene, 2-m...	19.87	2.5	ng/ul	2429900	5	21.05	19750700	20.0
Pyrene, 1-methyl-	19.93	2.5	ng/ul	2495840	5	21.05	19750700	20.0
11H-Benzo[a]fluor...	20.52	2.0	ng/ul	2028230	5	21.05	19750700	20.0
Anthra(1,2-b)thio...	20.69	2.8	ng/ul	2798390	5	21.05	19750700	20.0
Chrysene, 1-methyl-	21.59	2.4	ng/ul	2326800	5	21.05	19750700	20.0
Benzo[c]phenanthr...	22.15	4.3	ng/ul	515807	6	23.16	2393630	20.0
Benzo[e]pyrene	22.70	14.1	ng/ul	1692320	6	23.16	2393630	20.0