LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

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_M\METHODS\SOM-EPA-BM020620MA.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	7.334	749	756	769	rBV	746069	1164736	0.79%	0.125%
2	10.087	1217	1224	1232	rBV	1039251	1759352	1.19%	0.189%
3	13.704	1836	1839	1848	rVB	658982	1023537	0.69%	0.110%
4	13.992	1883	1888	1893	rVV	1960234	2906722	1.96%	0.312%
5	14.063	1893	1900	1909	rVB	10412980	15107543	10.20%	1.621%
6	14.310	1936	1942	1951	rBV	1193496	1731543	1.17%	0.186%
7	15.051	2063	2068	2074	rVB	756151	1032832	0.70%	0.111%
8	15.151	2080	2085	2087	rBV	882755	1280015	0.86%	0.137%
9	15.181	2087	2090	2094	rVV2	1581049	2142872	1.45%	0.230%
10	15.504	2140	2145	2152	rVB	611721	1294476	0.87%	0.139%
11	15.728	2170	2183	2189	rBV	3393967	5182739	3.50%	0.556%
12	16.063	2236	2240	2246	rVV2	1363121	2368609	1.60%	0.254%
13	16.210	2260	2265	2271	rVB2	771577	1343268	0.91%	0.144%
14	16.339	2283	2287	2290	rVV3	928729	1312112	0.89%	0.141%
15	16.410	2294	2299	2307	rVB	1943728	3122278	2.11%	0.335%
16	16.492	2308	2313	2320	rBV2	1256961	2352939	1.59%	0.253%
17	16.751	2352	2357	2360	rBV	2720837	3709853	2.51%	0.398%
18	16.792	2360	2364	2369	rVV	3424930	4600025	3.11%	0.494%
19	16.851	2369	2374	2375	rVV	804781	1007536	0.68%	0.108%
20	16.880	2375	2379	2385	rVB	4645406	6412559	4.33%	0.688%
21	16.945	2385	2390	2397	rVB3	1099994	1921747	1.30%	0.206%
22	17.127	2415	2421	2424	rBV	611675	986113	0.67%	0.106%
23	17.204	2431	2434	2438	rVV	605227	1031825	0.70%	0.111%
24	17.280	2442	2447	2453	rVV	2643175	3707402	2.50%	0.398%
25	17.439	2468	2474	2479	rBV	2307109	3536726	2.39%	0.380%
26	17.627	2497	2506	2510	rBV2	2487223	3881160	2.62%	0.417%
27	17.680	2510	2515	2522	rVB	4328121	6371628	4.30%	0.684%
28	17.763	2522	2529	2534	rBV2	2257944	3694650	2.49%	0.397%
29	17.827	2534	2540	2544	rBV	17388485	26702282	18.03%	2.866%
30	18.139	2589	2593	2597	rVV2	1308371	1901472	1.28%	0.204%
31	18.180	2597	2600	2606	rVB2	1165744	1727760	1.17%	0.185%
32	18.386	2627	2635	2641	rBV	2479539	3910399	2.64%	0.420%
33	18.439	2641	2644	2647	rBV	929161	1026955	0.69%	0.110%
34	18.480	2647	2651	2659	rVB	1171469	1631496	1.10%	0.175%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

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_M\METHODS\SOM-EPA-BM020620MA.M
Title : SVOA CALIBRATION

35	18.563	2659	2665	2669	rBV2	1721130	3476573	2.35%	0.373%
36	18.627	2673	2676	2680	rVB	1097932	1407901	0.95%	0.151%
37	18.721	2686	2692	2697	rBV	9524369	14798553	9.99%	1.588%
38	18.863	2704	2716	2720	rBV2	55182007	148091580	100.00%	15.894%
39	18.933	2720	2728	2734	rVV2	2384567	4600080	3.11%	0.494%
40	19.069	2741	2751	2756	rBV2	5485501	9792629	6.61%	1.051%
41	19.204	2765	2774	2775	rBV2	49062615	79642156	53.78%	8.548%
42	19.274	2782	2786	2794	rVB2	3035227	4688545	3.17%	0.503%
43	19.380	2798	2804	2809	rBV	6685719	8917710	6.02%	0.957%
44	19.439	2809	2814	2820	rVB	3793517	5693791	3.84%	0.611%
45	19.539	2822	2831	2835	rBV3	5728751	14022056	9.47%	1.505%
46	19.663	2848	2852	2855	rBV4	4978633	8506163	5.74%	0.913%
47	19.704	2855	2859	2863	rVB	13089874	17619387	11.90%	1.891%
48	19.757	2863	2868	2871	rBV3	841321	1412560	0.95%	0.152%
49	19.804	2871	2876	2880	rBV	11173018	13908046	9.39%	1.493%
50	19.857	2880	2885	2889	rVV2	7808693	11882388	8.02%	1.275%
51	19.898	2889	2892	2896	rVB	3098075	3819649	2.58%	0.410%
52	19.945	2896	2900	2904	rVB	1743034	2159015	1.46%	0.232%
53	19.998	2905	2909	2912	rBV	3337616	4057145	2.74%	0.435%
54	20.039	2912	2916	2921	rBV2	3539849	5263823	3.55%	0.565%
55	20.268	2949	2955	2958	rBV4	1331100	3111459	2.10%	0.334%
56	20.333	2963	2966	2969	rVV2	1736157	2543814	1.72%	0.273%
57	20.368	2969	2972	2976	rVV3	1144532	1355505	0.92%	0.145%
58	20.415	2976	2980	2983	rVV3	1292979	2191794	1.48%	0.235%
59	20.457	2983	2987	2993	rVB	5853142	8619402	5.82%	0.925%
60	20.615	3009	3014	3018	rBV2	8443615	12328328	8.32%	1.323%
61	20.657	3018	3021	3024	rVV	8805878	10629764	7.18%	1.141%
62	20.692	3024	3027	3034	rVV2	8447153	14551562	9.83%	1.562%
63	20.757	3034	3038	3045	rVB	6648096	8678542	5.86%	0.931%
64	20.821	3045	3049	3052	rBV	1586075	1784837	1.21%	0.192%
65	20.857	3052	3055	3062	rVB	2215227	3296755	2.23%	0.354%
66	20.974	3065	3075	3078	rBV3	38631990	67882165	45.84%	7.285%
67	21.027	3078	3084	3093	rVB2	40009391	65140783	43.99%	6.991%
68	21.098	3093	3096	3098	rBV	1215551	1261475	0.85%	0.135%
69	21.133	3098	3102	3107	rBV	8360690	10514691	7.10%	1.128%
70	21.227	3115	3118	3122	rVB3	1892907	2905196	1.96%	0.312%
71	21.274	3122	3126	3132	rBV2	3798406	5412703	3.65%	0.581%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

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_M\METHODS\SOM-EPA-BM020620MA.M
Title : SVOA CALIBRATION

72	21.333	3132	3136	3139	rBV2	1860470	2285201	1.54%	0.245%
73	21.415	3146	3150	3151	rBV3	949398	1167992	0.79%	0.125%
74	21.457	3155	3157	3160	rVV2	1661874	1790351	1.21%	0.192%
75	21.510	3160	3166	3169	rVB	5343900	7032687	4.75%	0.755%
76	21.557	3170	3174	3179	rVB3	3077786	4627167	3.12%	0.497%
77	21.627	3181	3186	3187	rBV2	1555996	2074881	1.40%	0.223%
78	21.686	3193	3196	3199	rBV2	3242757	4340017	2.93%	0.466%
79	21.715	3199	3201	3206	rVB2	3370369	4083825	2.76%	0.438%
80	21.780	3207	3212	3220	rVB3	2143372	4641081	3.13%	0.498%
81	21.951	3235	3241	3245	rBV2	2839616	4557567	3.08%	0.489%
82	22.074	3257	3262	3264	rBV3	641060	1193042	0.81%	0.128%
83	22.109	3264	3268	3273	rVB3	1312618	2074460	1.40%	0.223%
84	22.215	3280	3286	3297	rVB5	3164476	6936178	4.68%	0.744%
85	22.315	3298	3303	3309	rBV5	684363	1848606	1.25%	0.198%
86	22.462	3319	3328	3332	rBV	25617432	60765812	41.03%	6.522%
87	22.604	3347	3352	3357	rVB	2855940	3905496	2.64%	0.419%
88	22.721	3368	3372	3381	rBV3	1629529	4401792	2.97%	0.472%
89	22.809	3383	3387	3391	rVV2	1599466	3327402	2.25%	0.357%
90	22.886	3393	3400	3408	rVV	12906566	24560110	16.58%	2.636%
91	22.974	3408	3415	3421	rVV	15722280	26810198	18.10%	2.877%
92	23.051	3421	3428	3432	rVV	3381852	7214453	4.87%	0.774%
93	23.098	3432	3436	3444	rVB	5295636	9337293	6.31%	1.002%
94	23.545	3508	3512	3523	rVB6	549811	1246760	0.84%	0.134%
95	23.827	3555	3560	3568	rVB	795928	1601874	1.08%	0.172%
96	24.598	3684	3691	3698	rVB3	1554729	3527064	2.38%	0.379%
97	24.856	3731	3735	3742	rVB2	908932	1752106	1.18%	0.188%
98	25.074	3763	3772	3782	rVB2	5858193	16327980	11.03%	1.752%
99	25.298	3804	3810	3816	rBV	718109	1685384	1.14%	0.181%
100	25.680	3866	3875	3889	rVB	2741744	7784966	5.26%	0.836%

Sum of corrected areas: 931757431

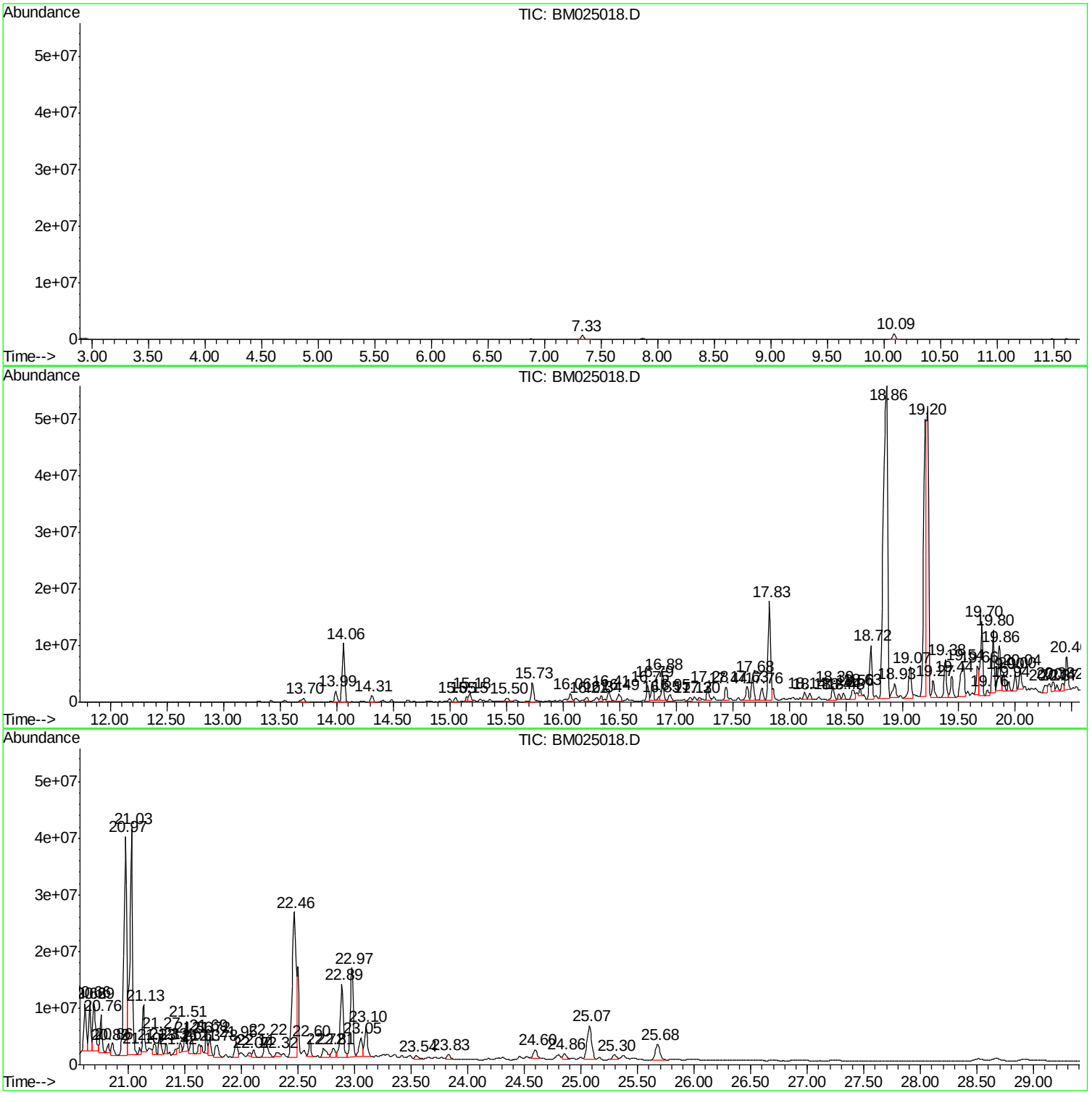
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.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 M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

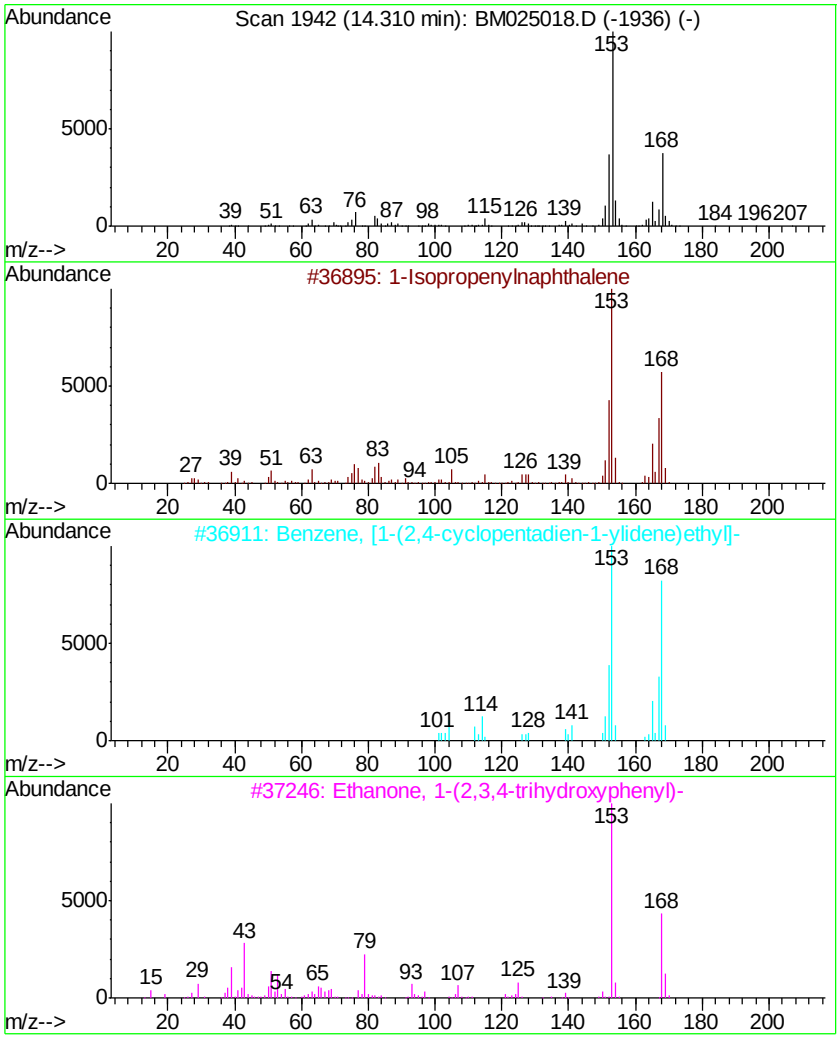
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

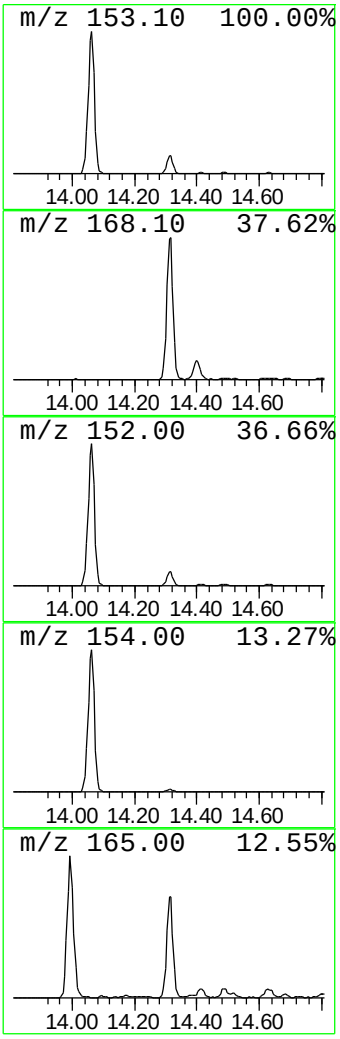
****

Peak Number 1 1-Isopropenylnaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	11.91 ng/ul	1731540	Acenaphthene-d10	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	56
3	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

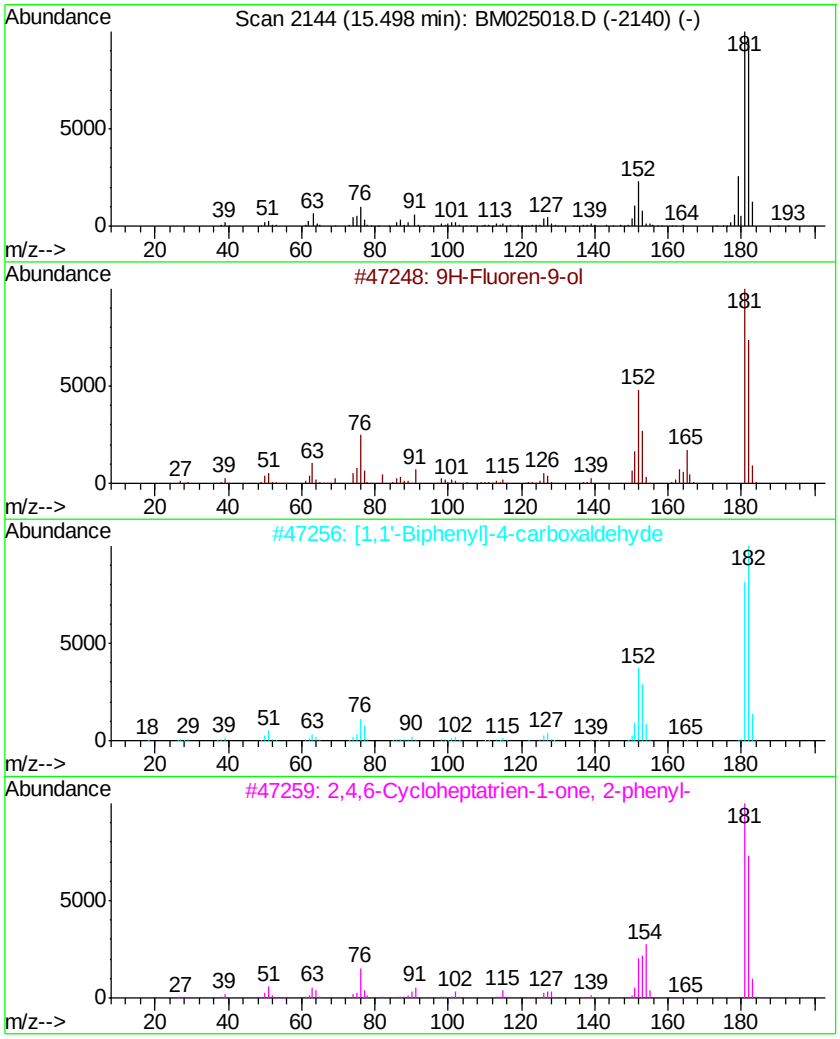
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

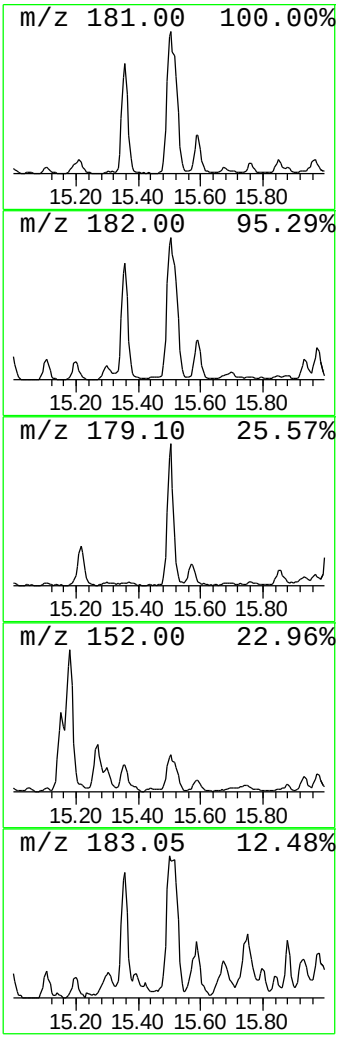
****

Peak Number 2 9H-Fluoren-9-ol Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	6.98 ng/ul	1294480	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	76
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5	9H-Xanthene	182	C13H10O	000092-83-1	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

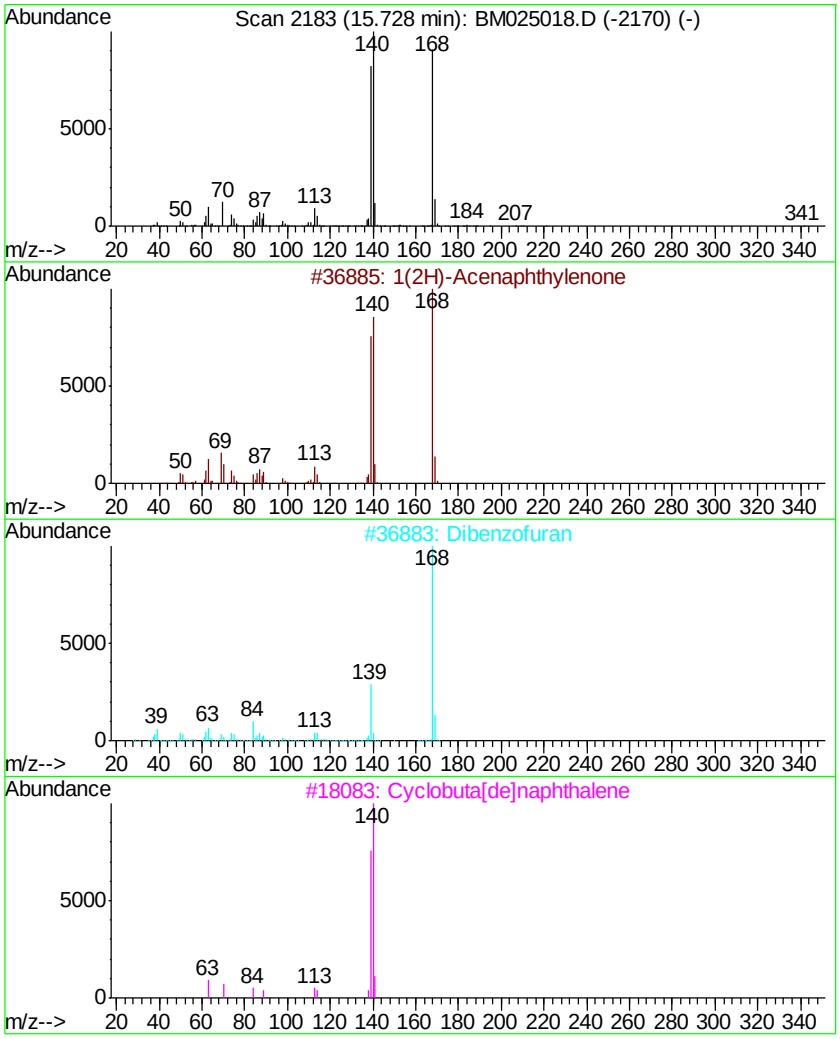
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

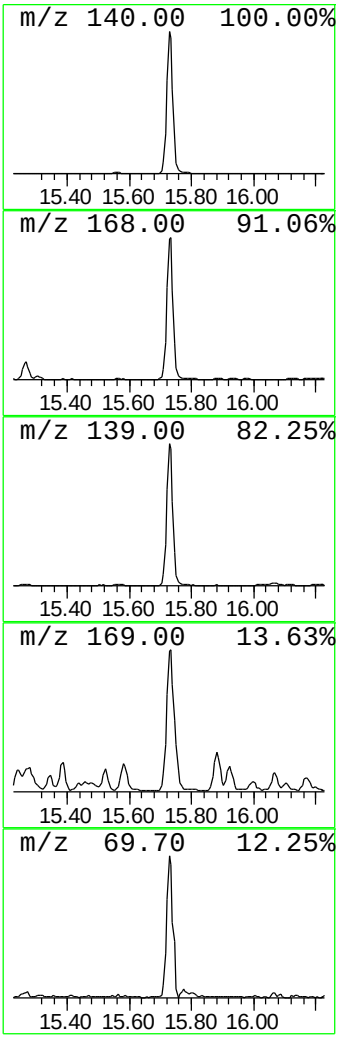
****

Peak Number 3 1(2H)-Acenaphthylenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	27.94 ng/ul	5182740	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	96
2	Dibenzofuran	168	C12H8O	000132-64-9	64
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	58
4	5,6,7,8-Tetrahydro-thiazolo[5,4-...	168	C7H8N2OS	1000317-75-4	53
5	1H-Inden-1-one, 4,7-difluoro-2,3...	168	C9H6F2O	130408-16-1	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

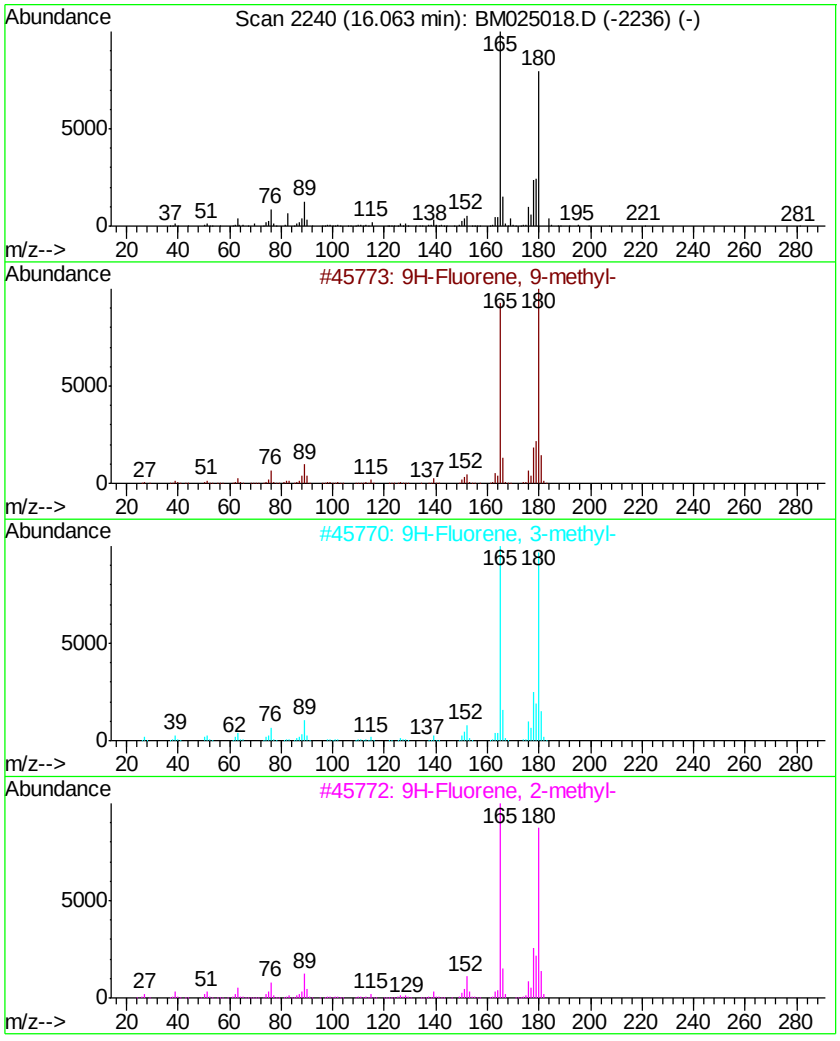
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

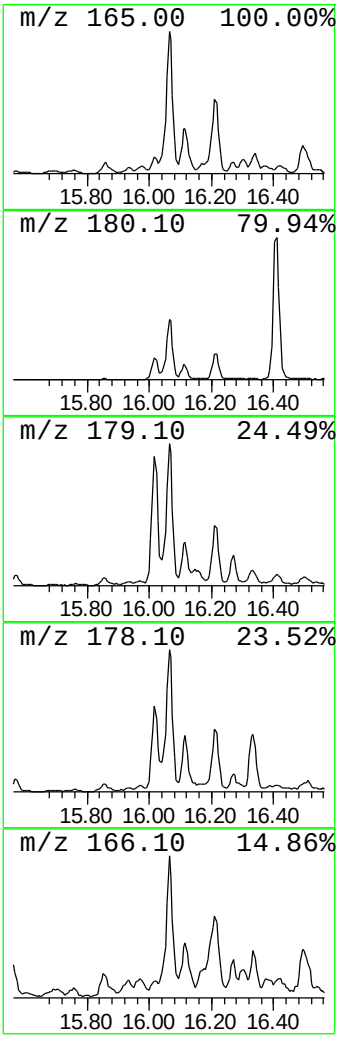
****

Peak Number 4 9H-Fluorene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	12.77 ng/ul	2368610	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	74
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

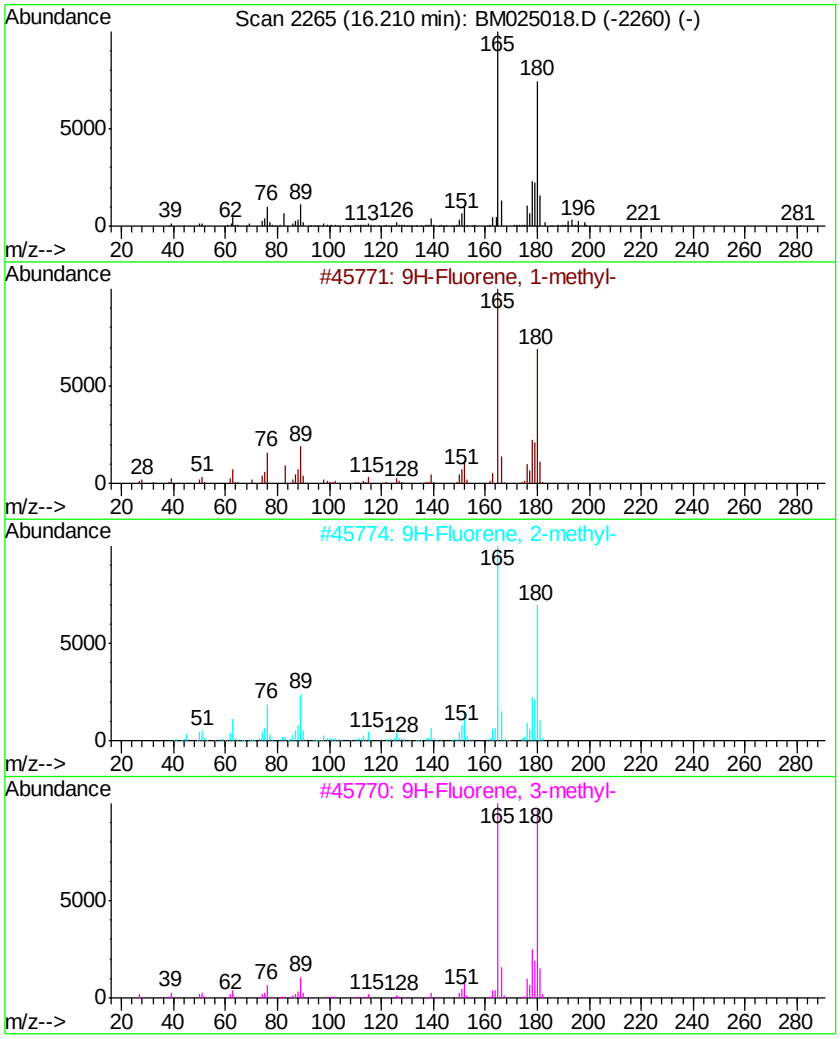
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

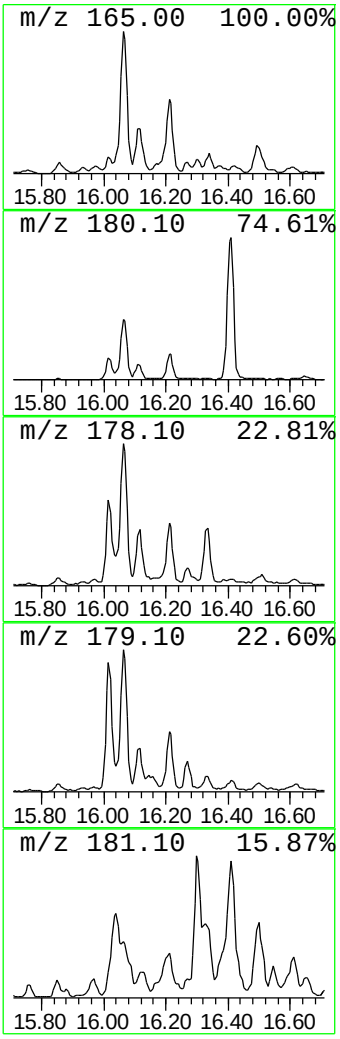
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	7.24 ng/ul	1343270	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

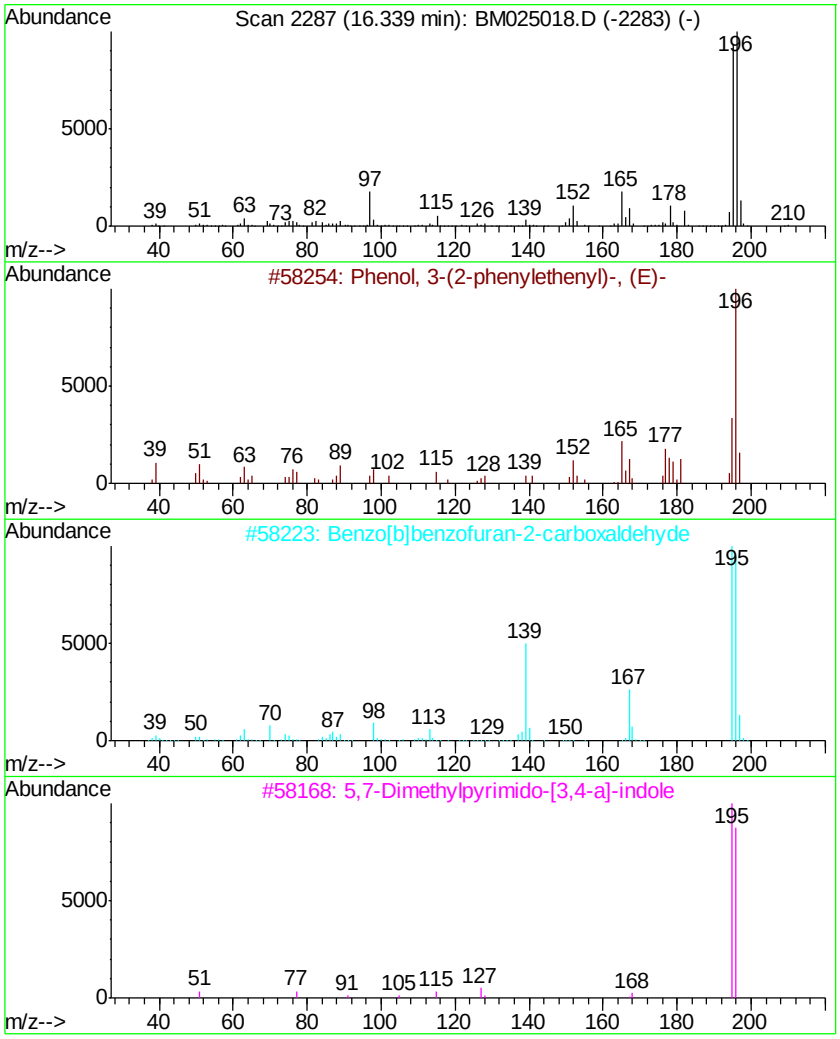
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

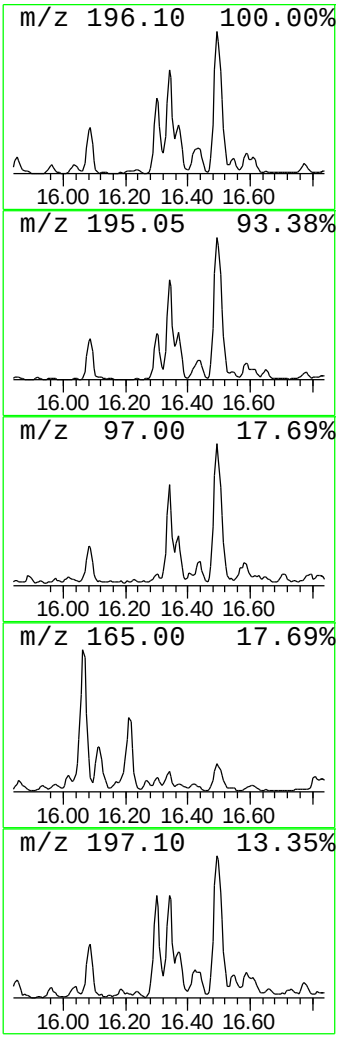
****

Peak Number 6 Phenol, 3-(2-phenylethenyl)... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	7.07 ng/ul	1312110	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	64
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	59
3	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	53
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

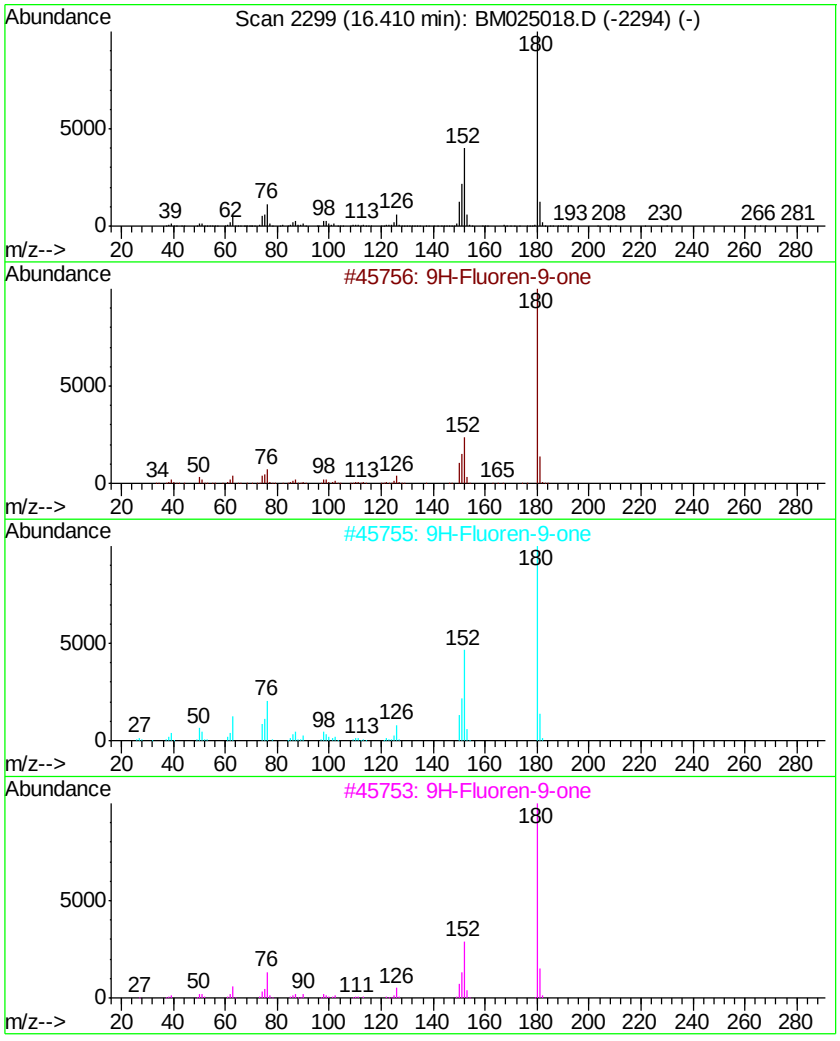
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

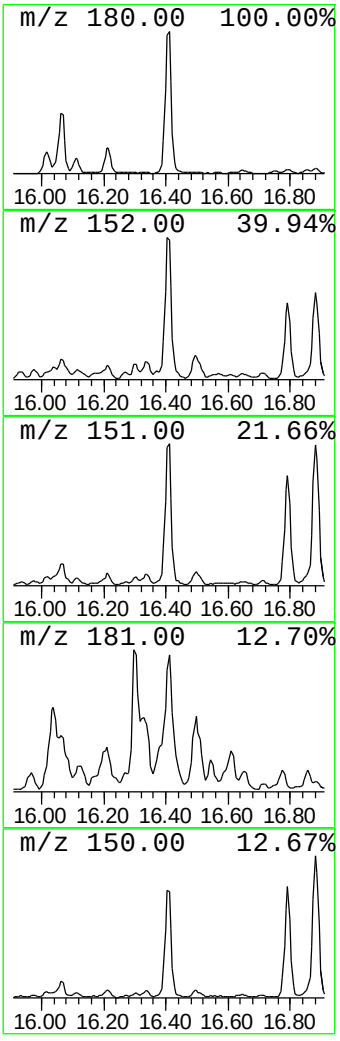
****

Peak Number 7 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	16.83 ng/ul	3122280	Phenanthrene-d10	16.75

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	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	86
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

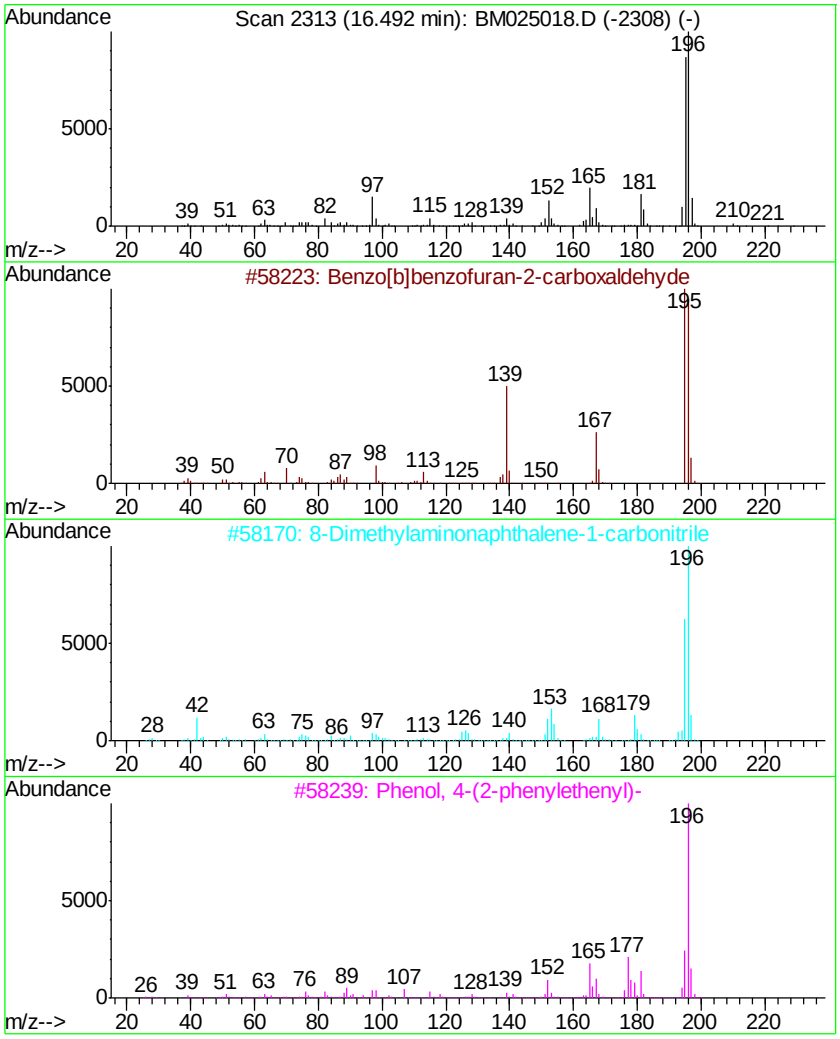
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

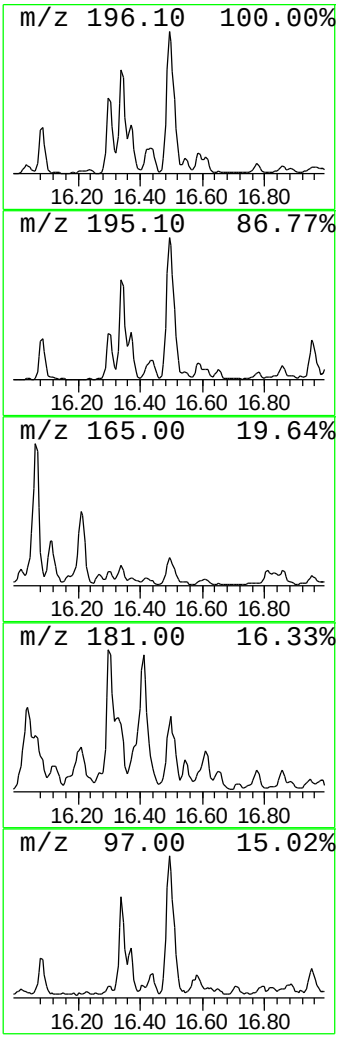
****

Peak Number 8 Benzo[b]benzofuran-2-carbox... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	12.68 ng/ul	2352940	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	68
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

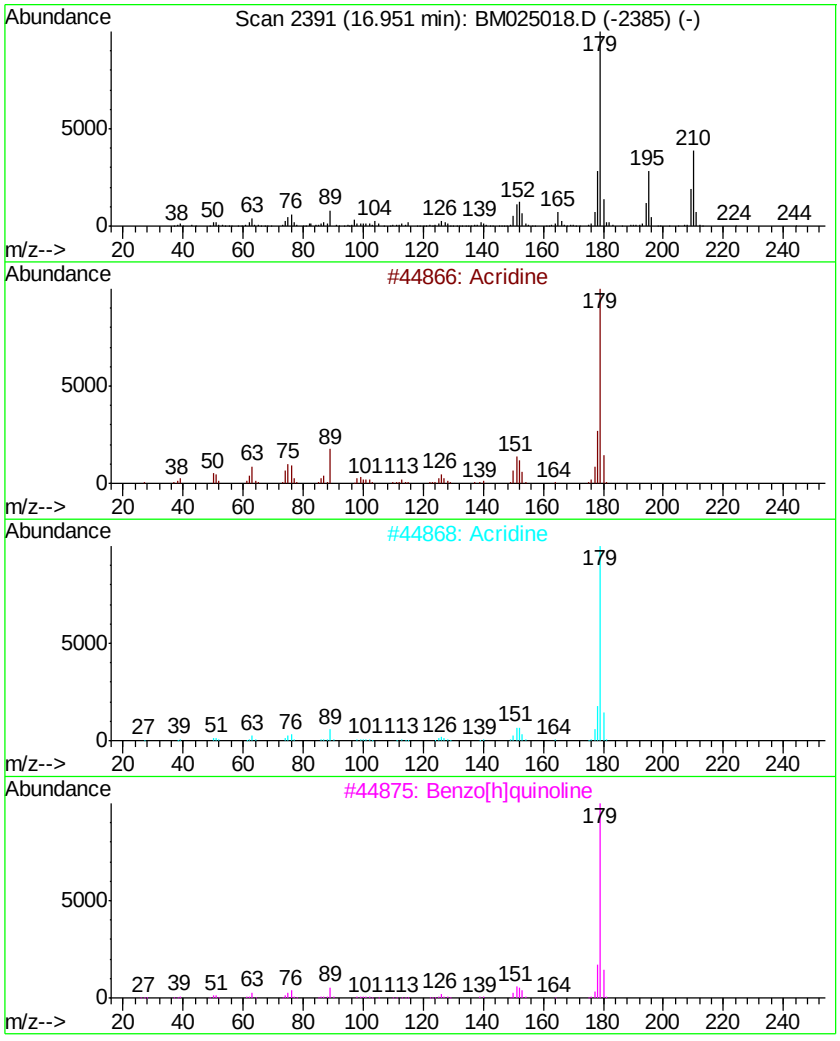
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

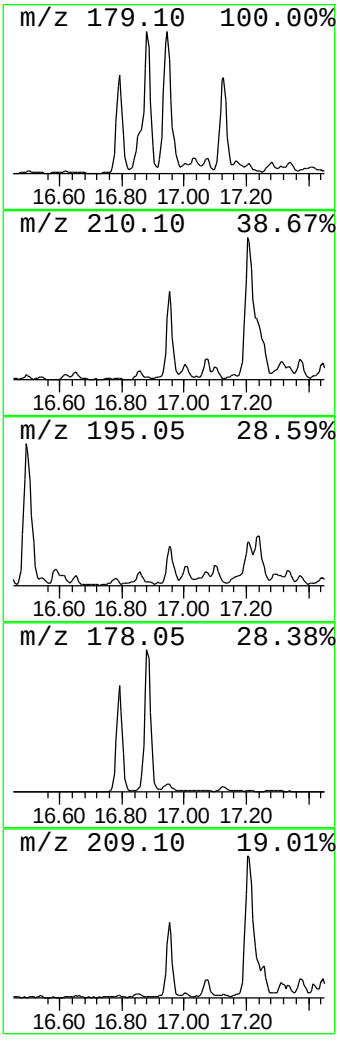
****

Peak Number 9 Acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	10.36 ng/ul	1921750	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	94
2	Acridine	179	C13H9N	000260-94-6	93
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	92
4	Acridine	179	C13H9N	000260-94-6	91
5	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

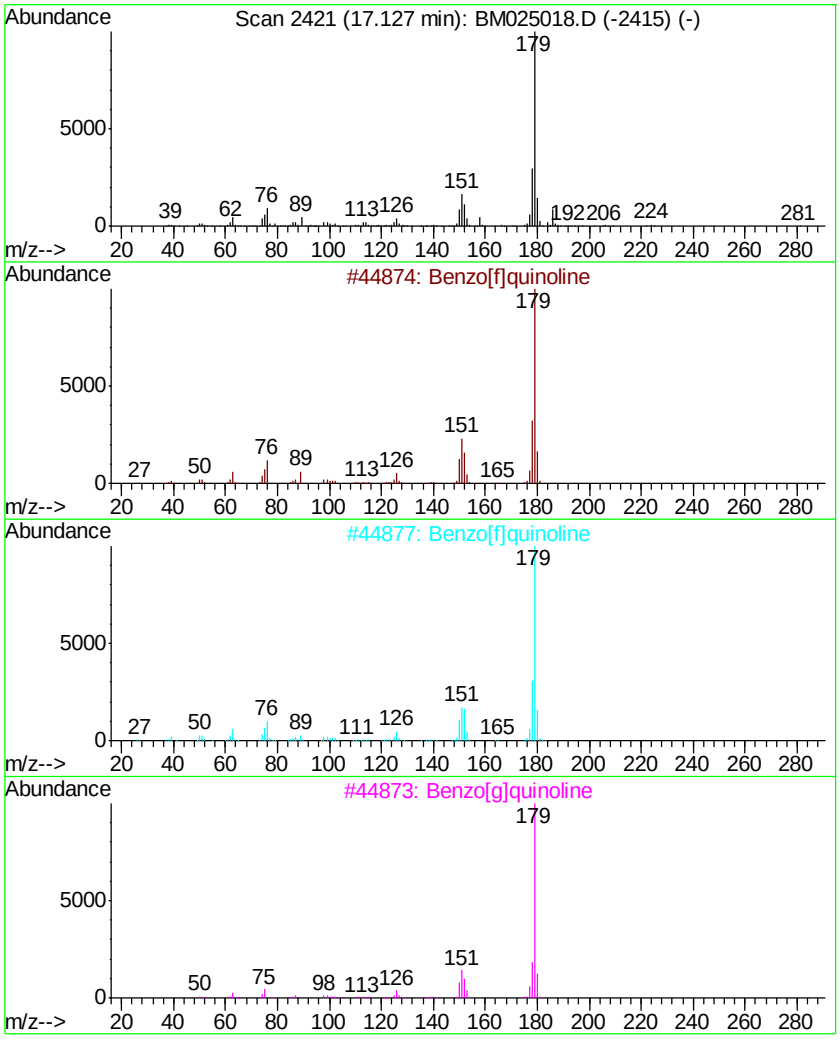
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

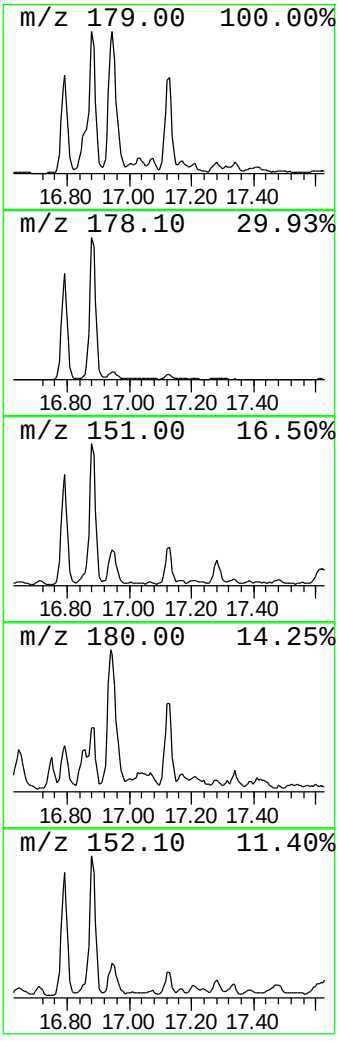
****

Peak Number 10 Benzo[f]quinoline Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	5.32 ng/ul	986113	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[f]quinoline	179	C13H9N	000085-02-9	96
2	Benzo[f]quinoline	179	C13H9N	000085-02-9	96
3	Benzo[g]quinoline	179	C13H9N	000260-36-6	95
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	95
5	Benzo[f]isoquinoline	179	C13H9N	000229-67-4	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

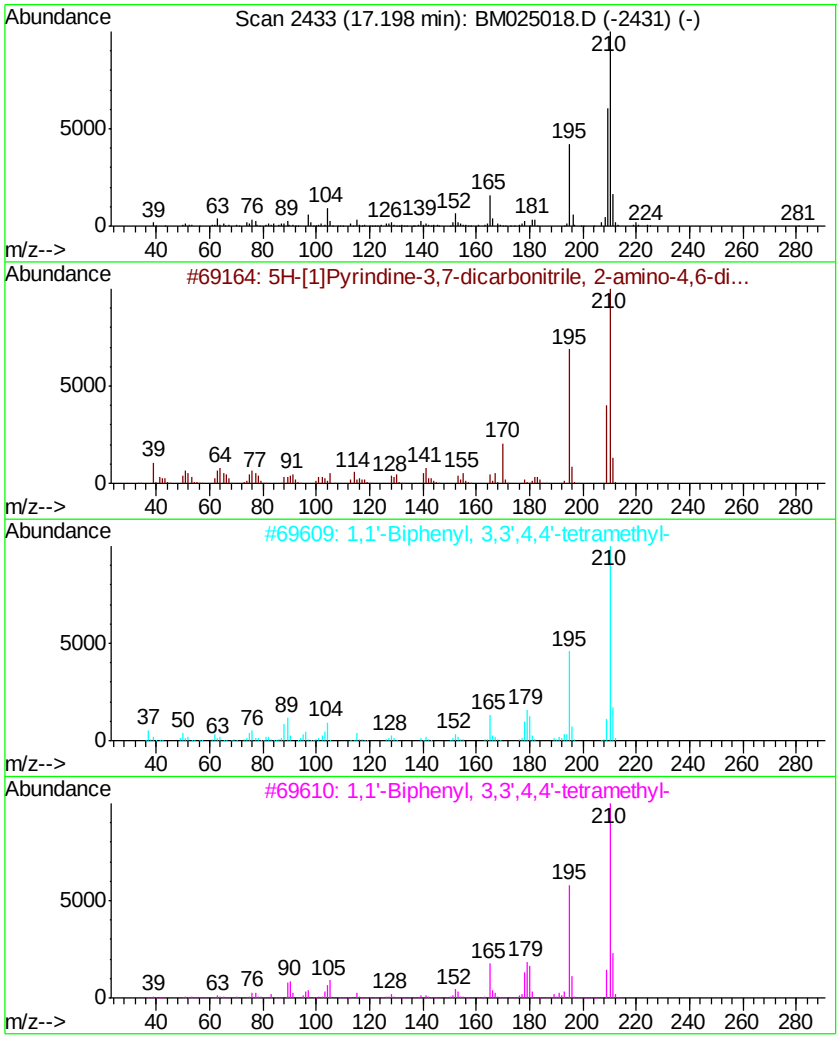
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

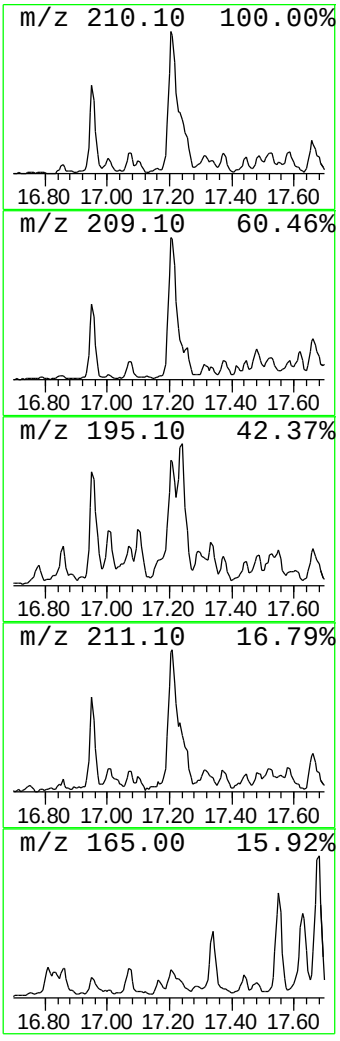
****

Peak Number 11 5H-[1]Pyrindine-3,7-dicarbo... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	5.56 ng/ul	1031830	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-[1]Pyrindine-3,7-dicarbonitri...	210	C12H10N4	1000302-80-0	72
2	1,1'-Biphenyl, 3,3',4,4'-tetrame...	210	C16H18	004920-95-0	64
3	1,1'-Biphenyl, 3,3',4,4'-tetrame...	210	C16H18	004920-95-0	64
4	3-(N,N-Dimethylamino)carbazole	210	C14H14N2	001140-50-7	64
5	7H-Cyclopenta[b]pyridine-3,6-dic...	210	C12H10N4	1000264-64-4	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

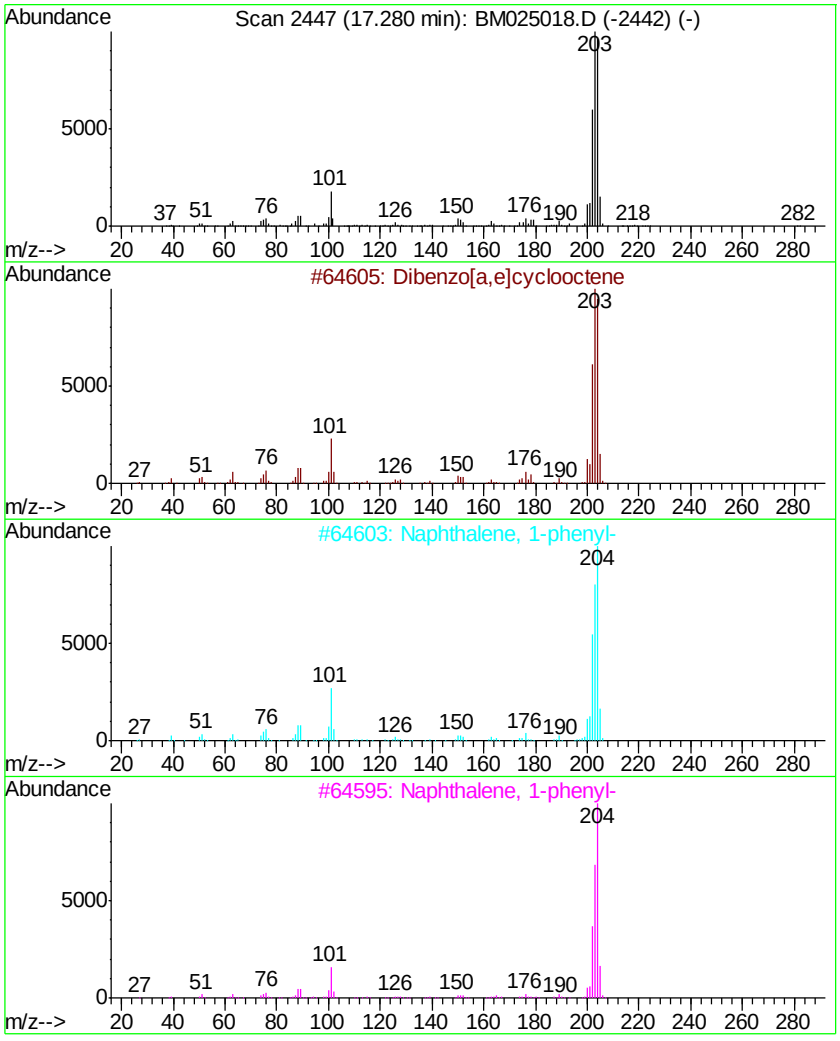
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

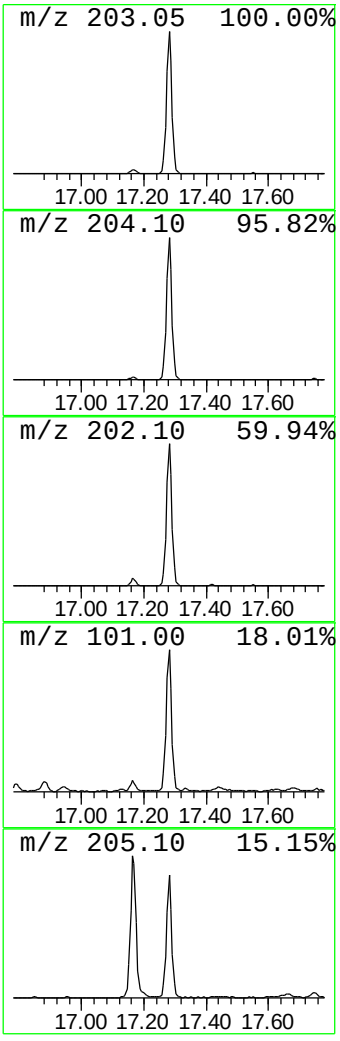
****

Peak Number 12 Dibenzo[a,e]cyclooctene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	19.99 ng/ul	3707400	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	95
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	89
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

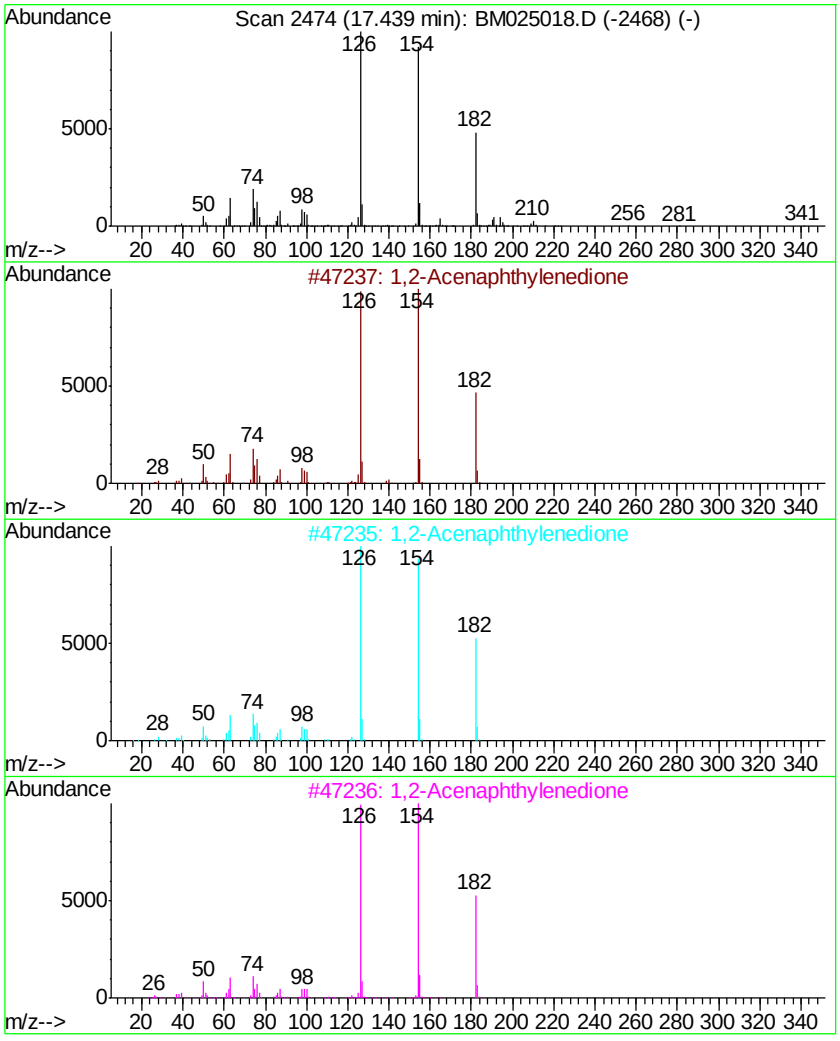
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

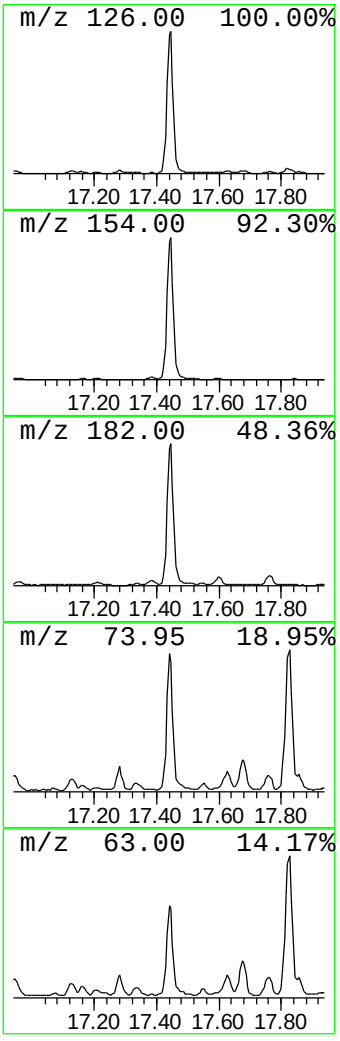
****

Peak Number 13 1,2-Acenaphthylenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	19.07 ng/ul	3536730	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	98
2	1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	95
3	1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	94
4	1H-Benz[f]indene-1,2,3-trione	210	C13H6O3	020927-01-9	78
5	6-Chloro-4-chromanone	182	C9H7ClO2	037674-72-9	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

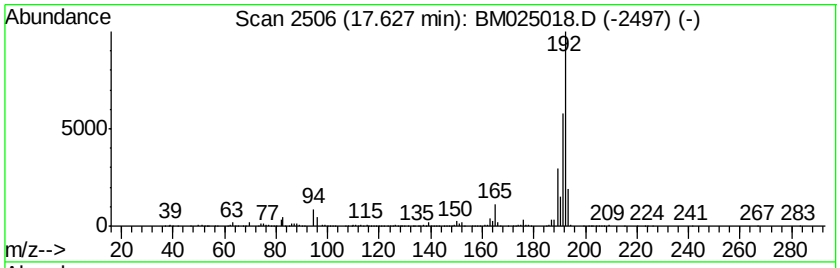
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

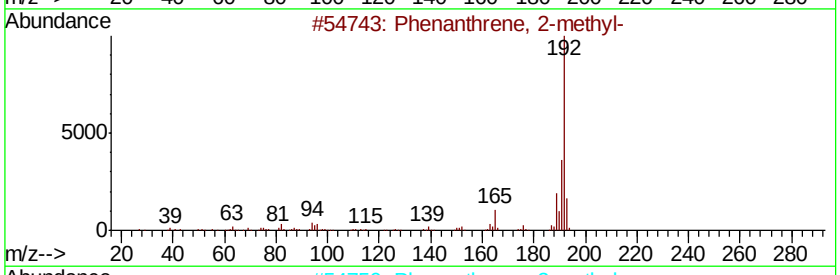
****

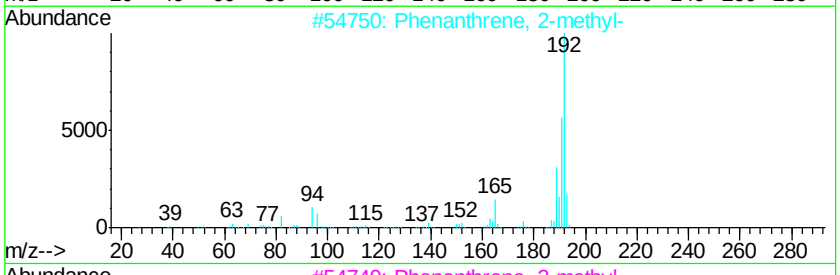
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 6

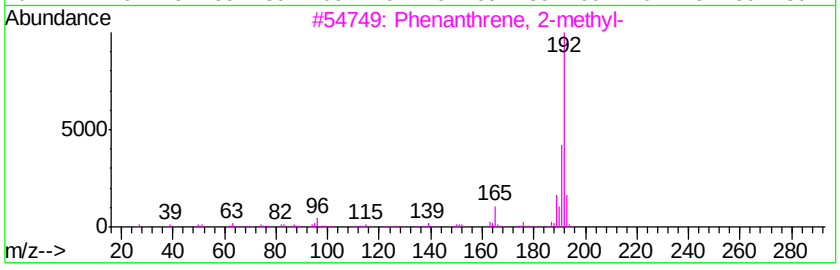
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	20.92 ng/ul	3881160	Phenanthrene-d10	16.75

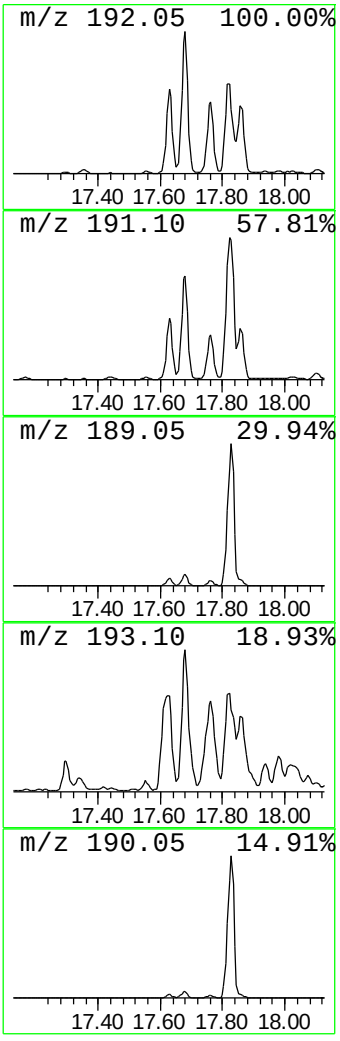
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93











Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

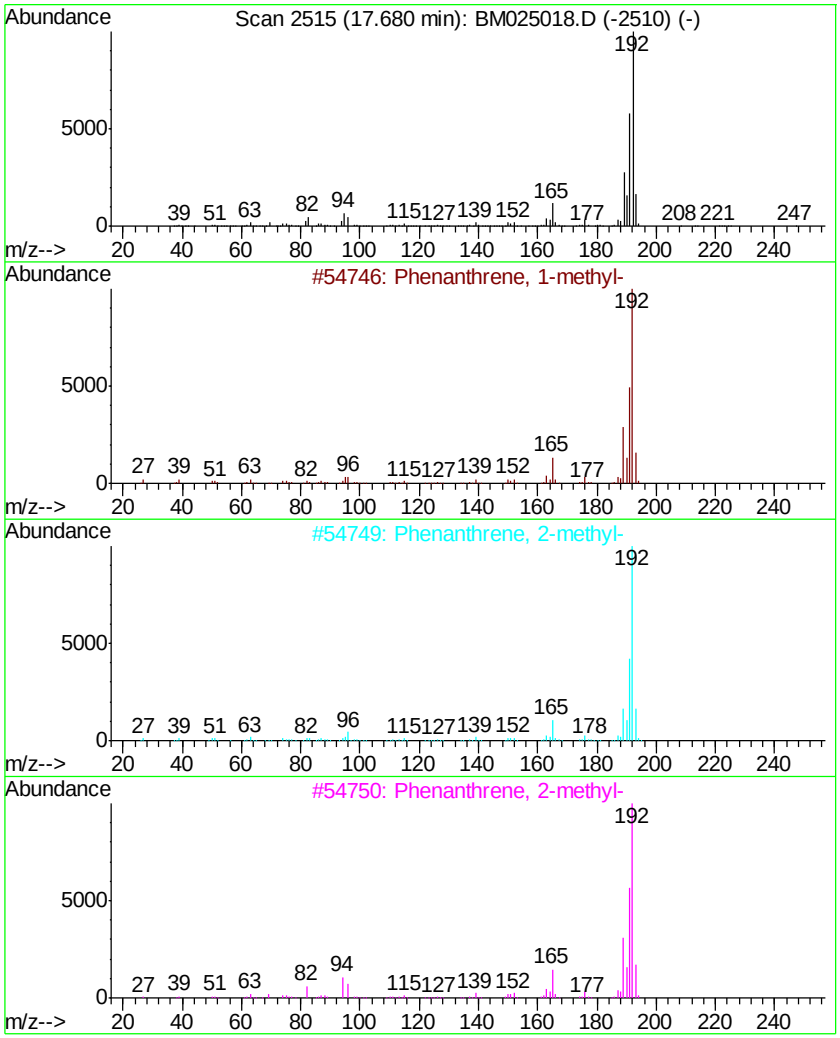
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

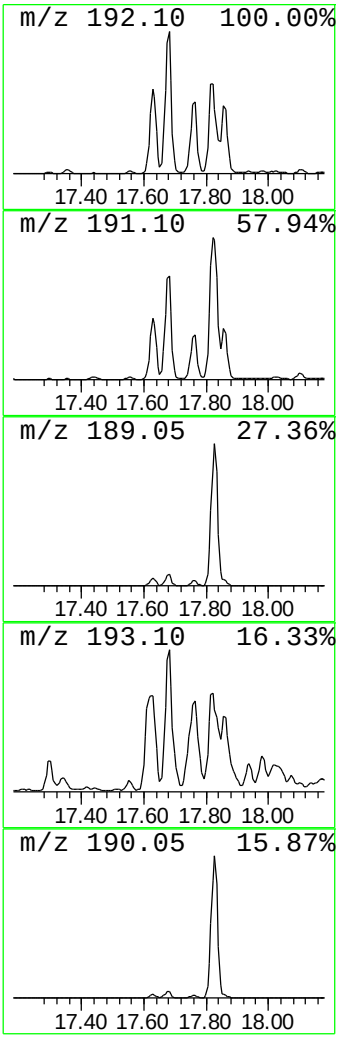
****

Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	34.35 ng/ul	6371630	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

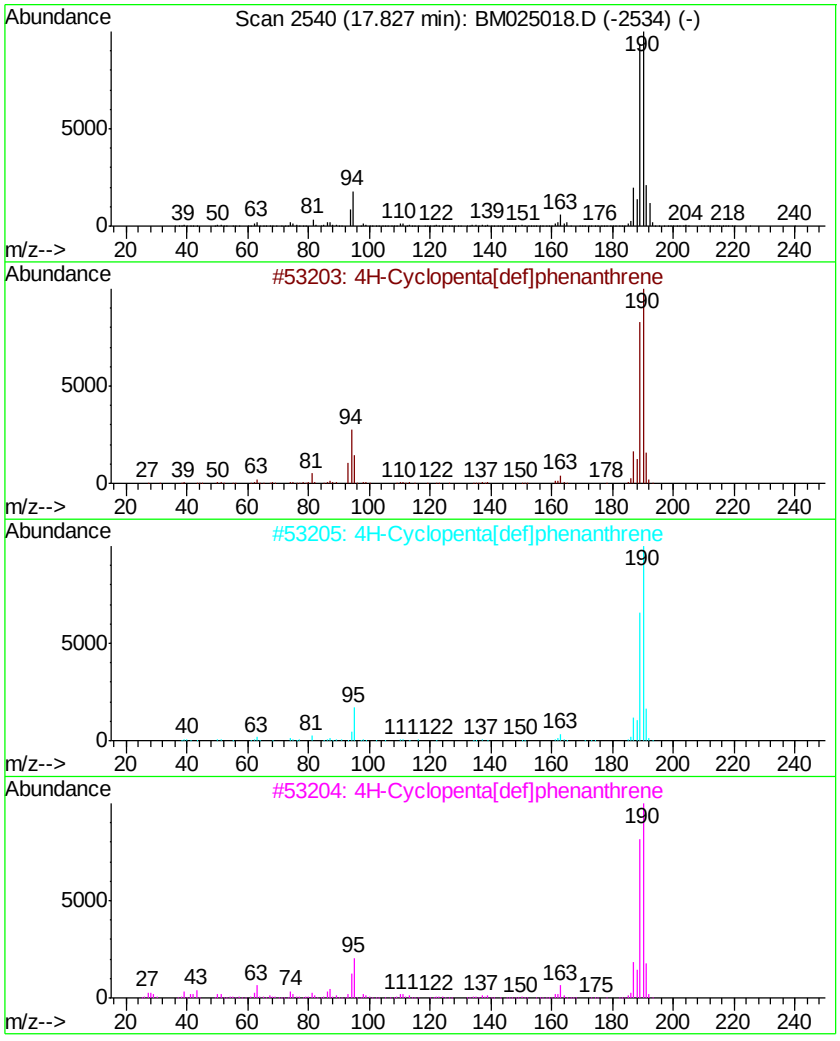
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

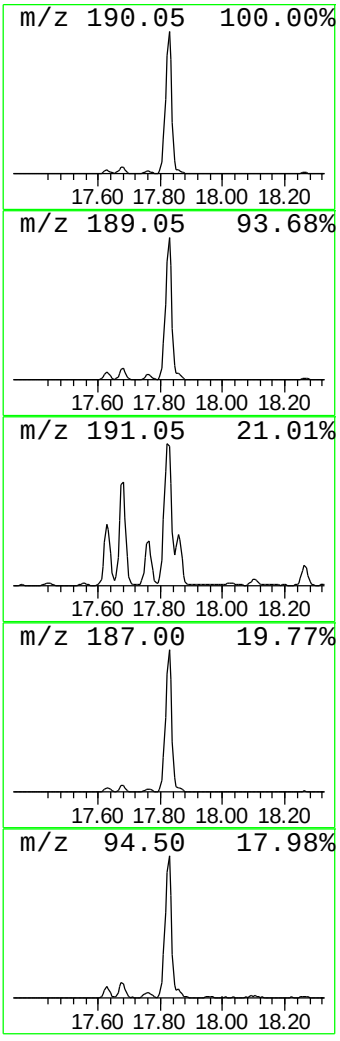
****

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	143.95 ng/ul	26702300	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	97
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

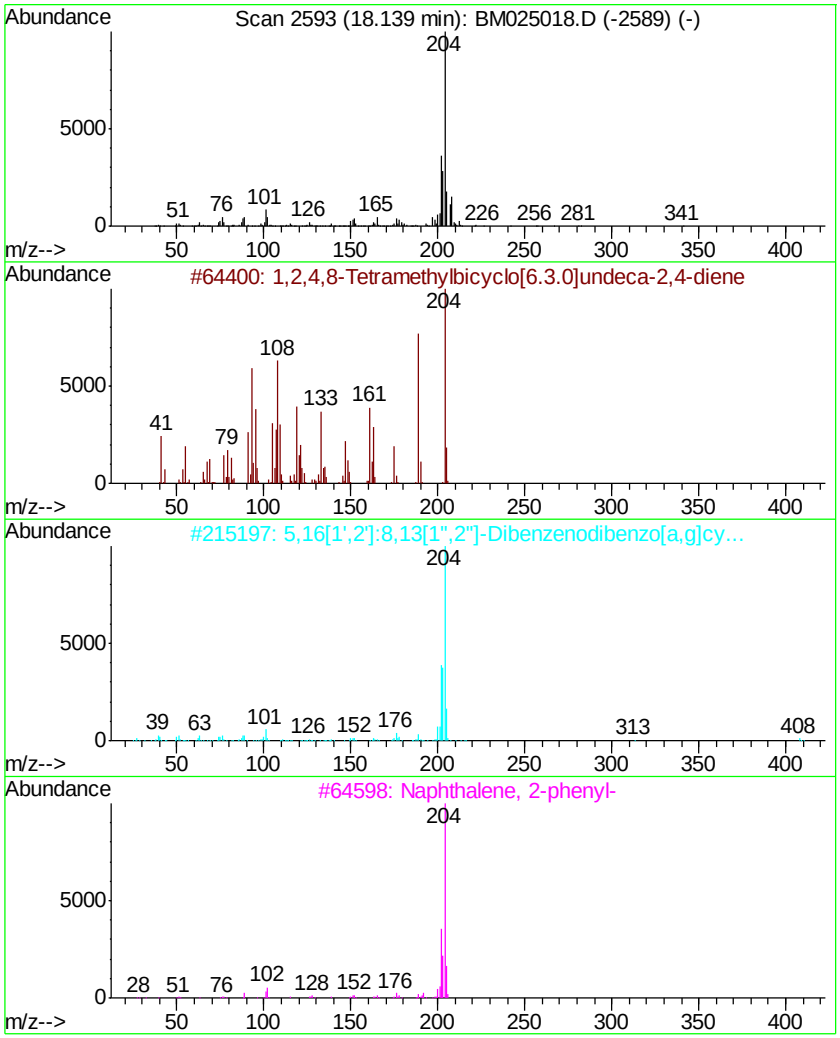
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

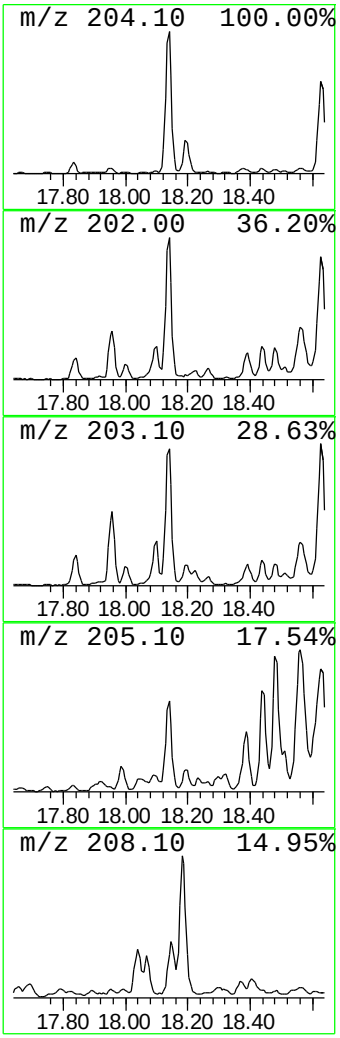
****

Peak Number 18 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	10.25 ng/ul	1901470	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

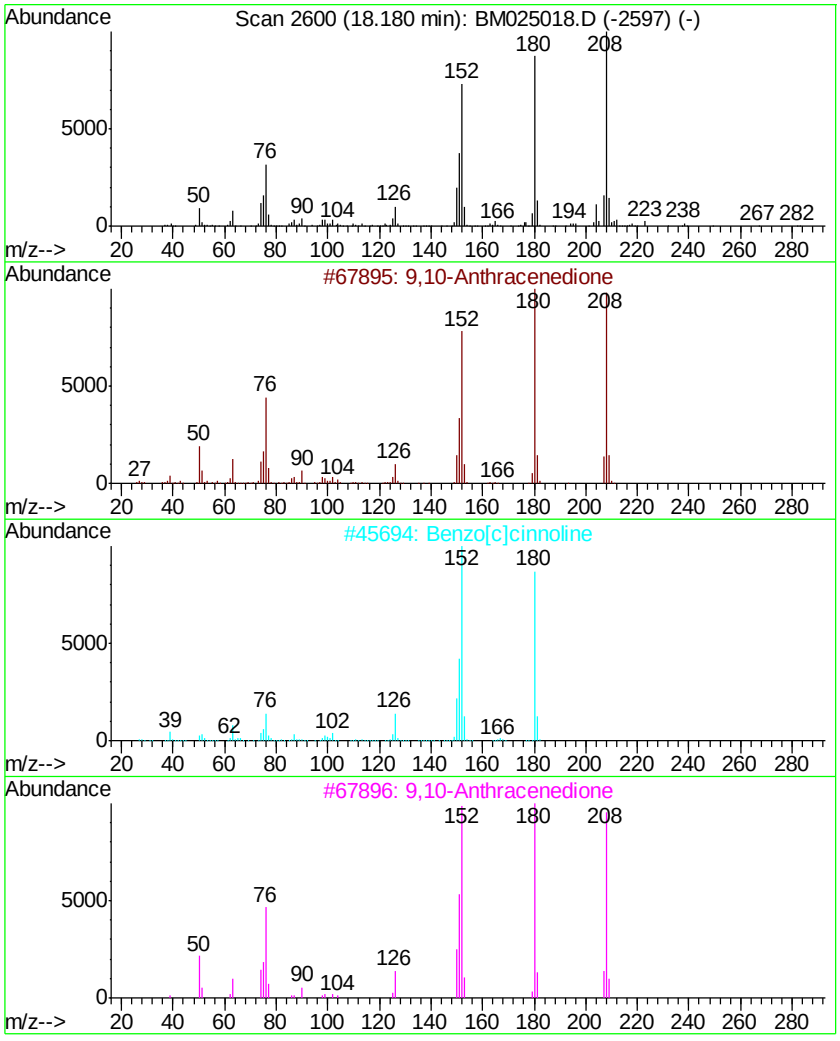
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

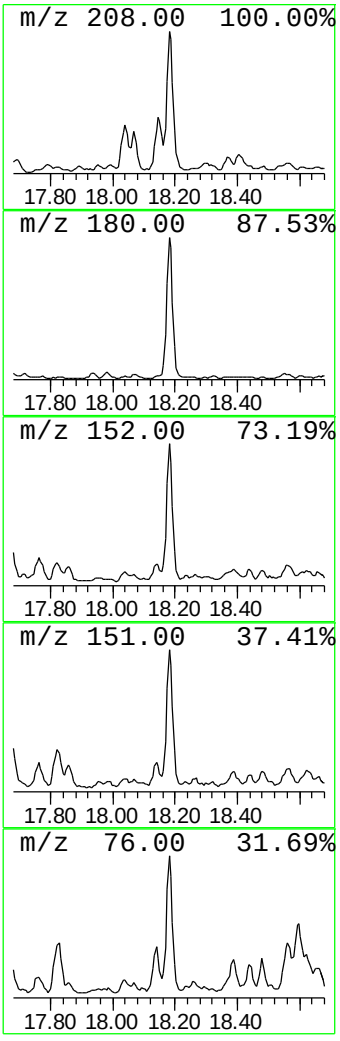
****

Peak Number 19 9,10-Anthracenedione Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	9.31 ng/ul	1727760	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

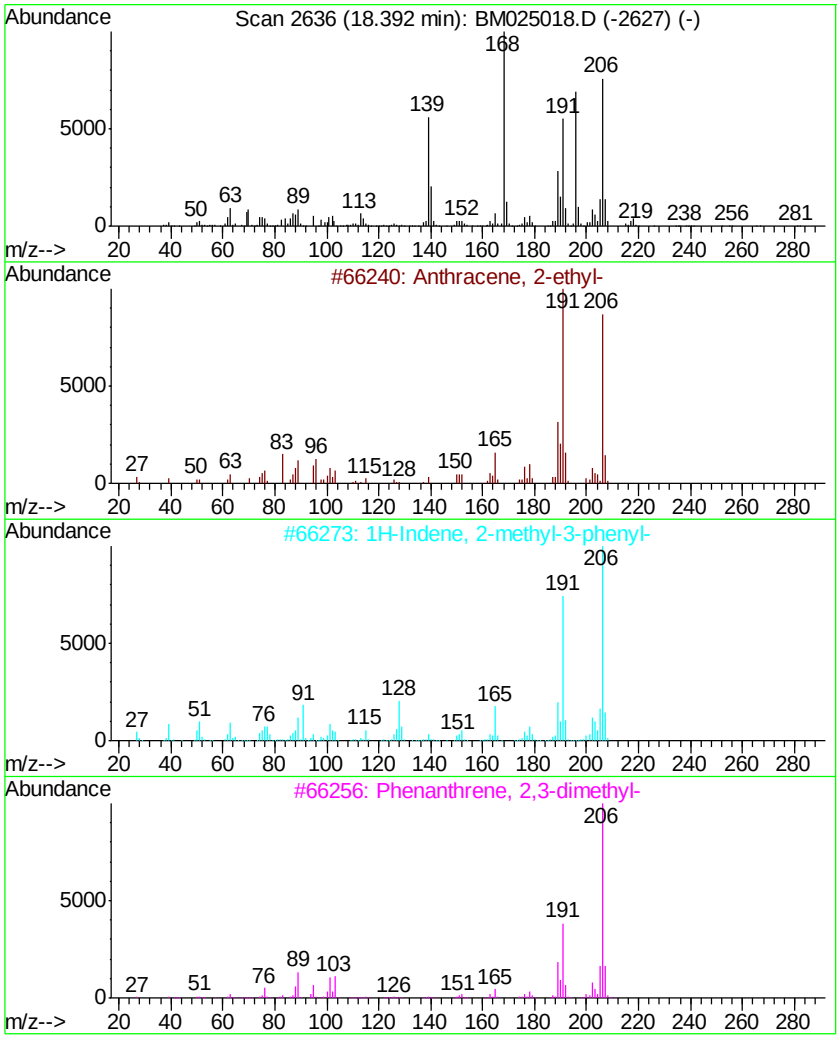
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

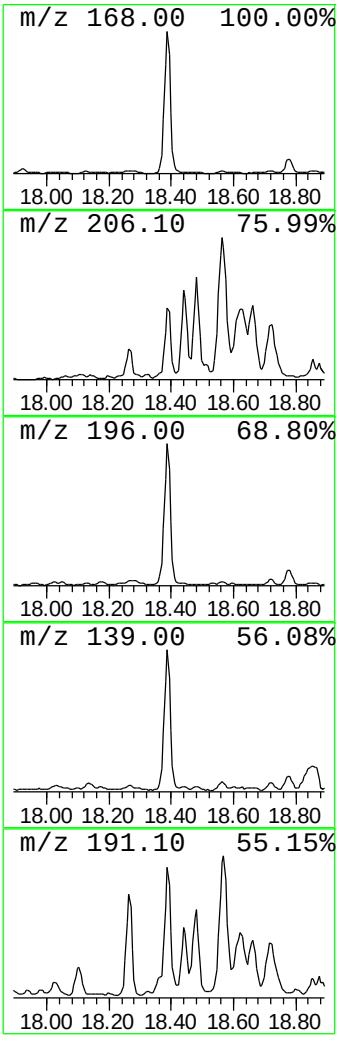
****

Peak Number 20 Anthracene, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	21.08 ng/ul	3910400	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	60
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	52
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	52
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	48
5	4-Hydroxy-9-fluorenone	196	C13H8O2	001986-00-1	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

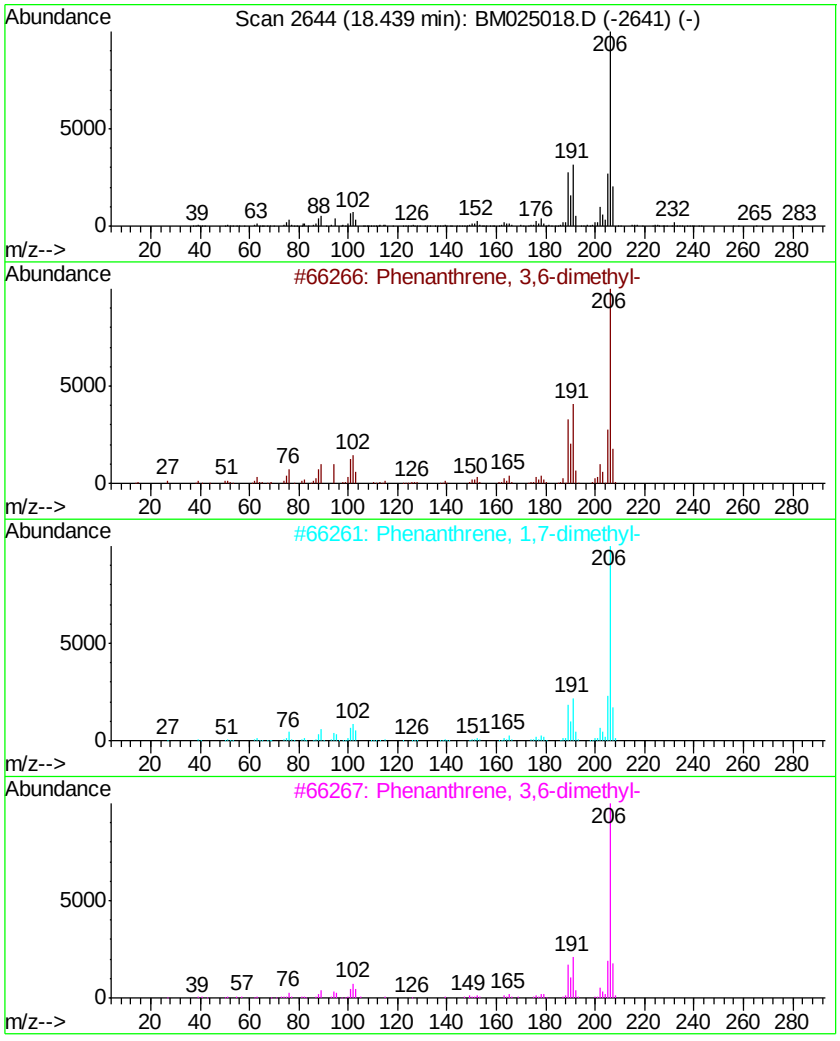
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

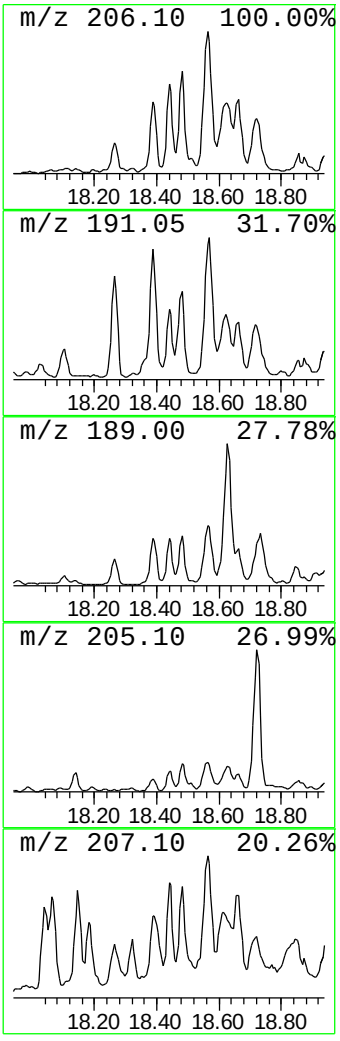
****

Peak Number 21 Phenanthrene, 3,6-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	5.54 ng/ul	1026960	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

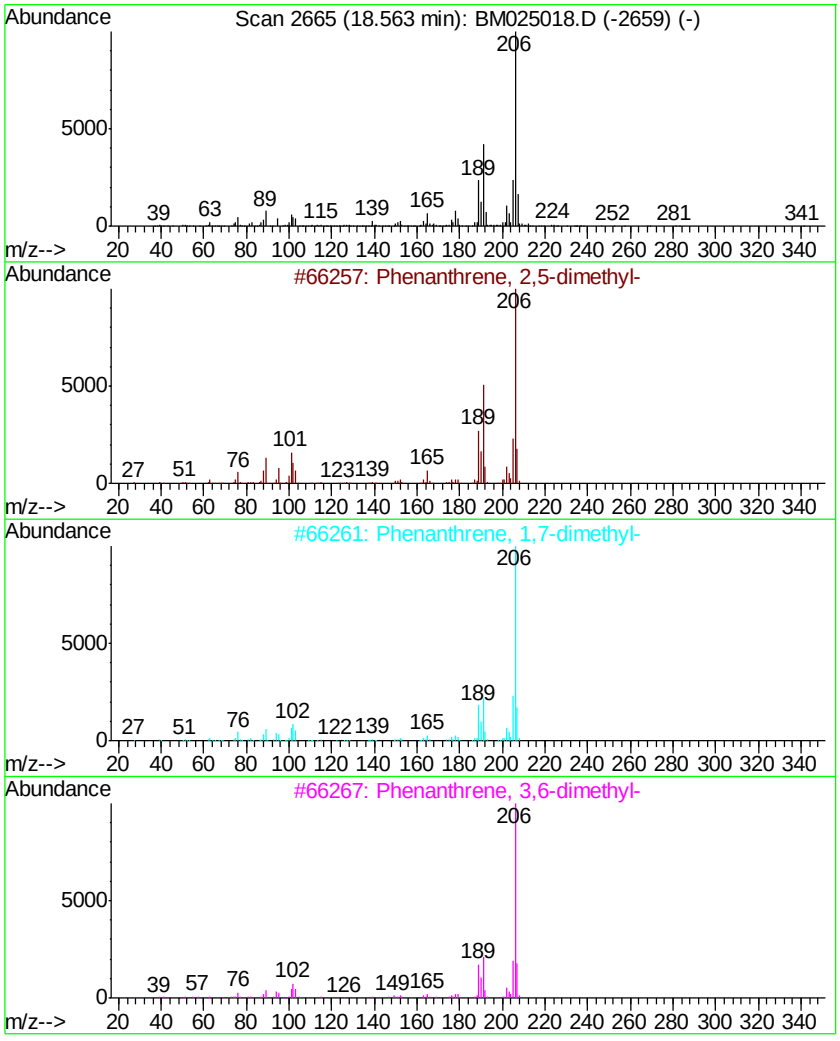
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

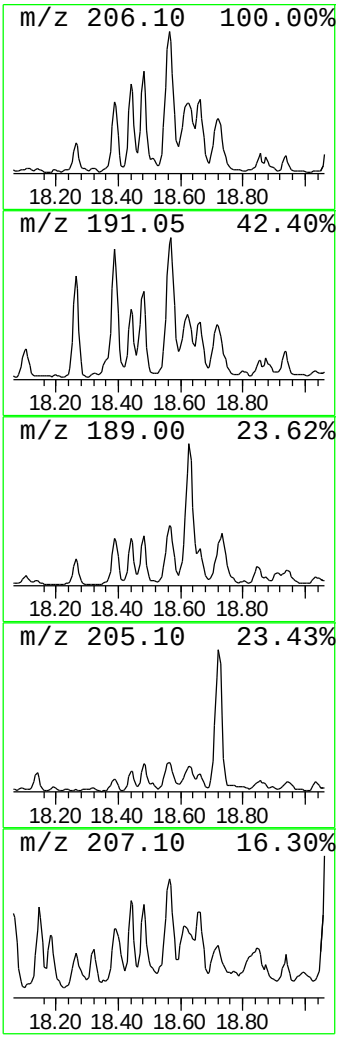
****

Peak Number 23 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	18.74 ng/ul	3476570	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

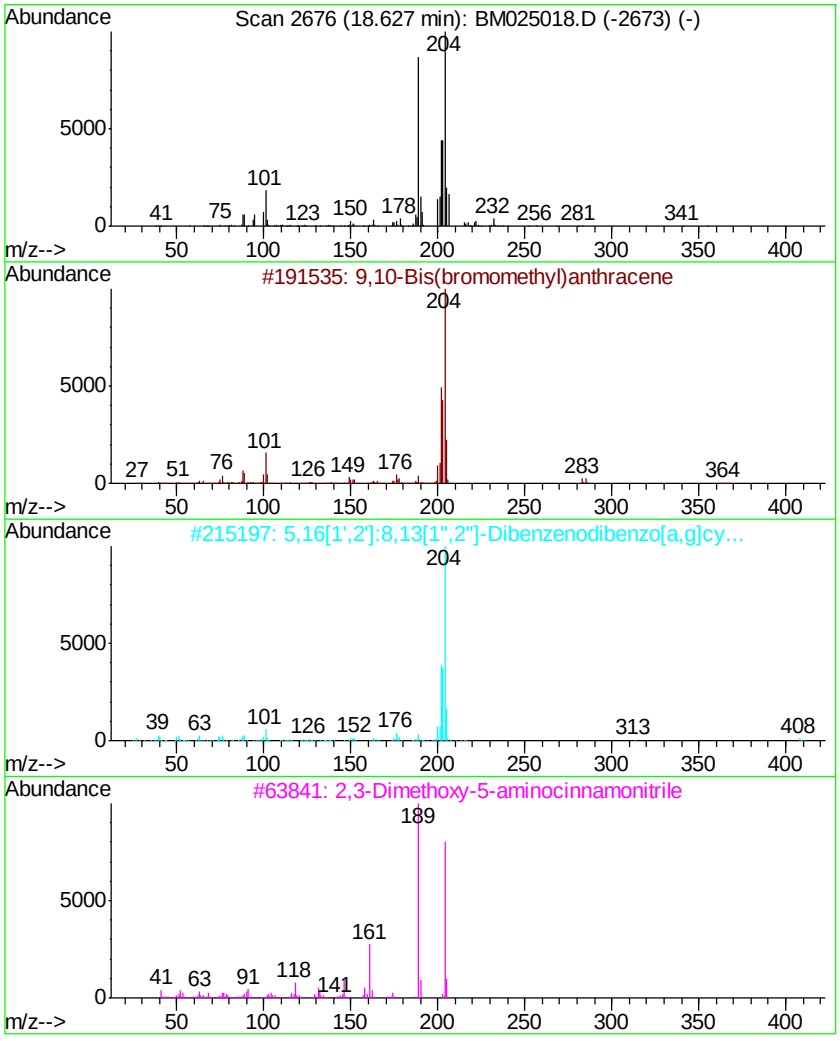
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

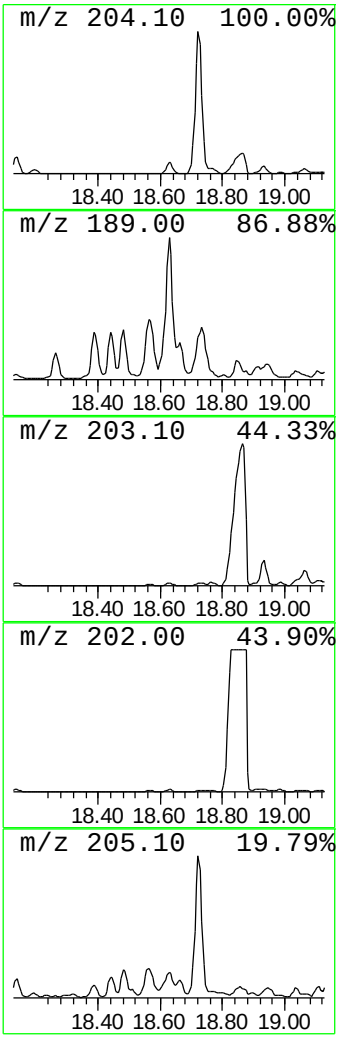
****

Peak Number 24 9,10-Bis(bromomethyl)anthra... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	7.59 ng/ul	1407900	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
3	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	49
4	1H-Cycloprop[e]azulene, 1a,2,3,4...	204	C15H24	000489-40-7	47
5	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	005951-61-1	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

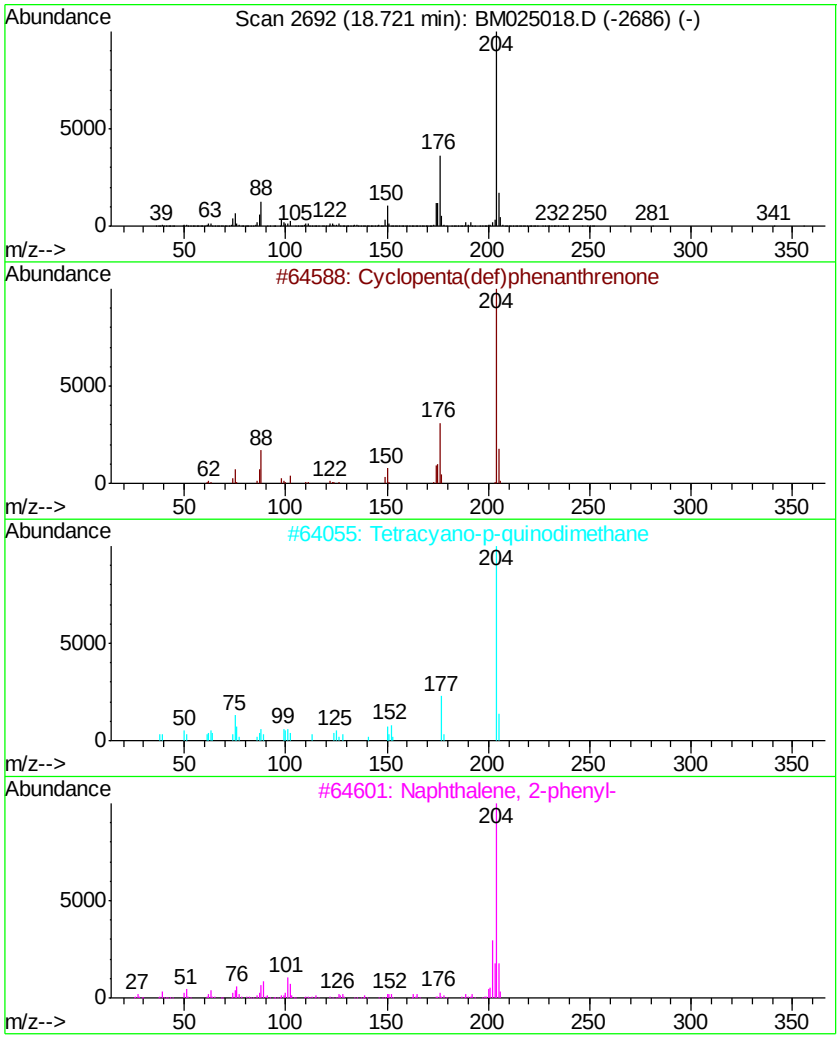
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

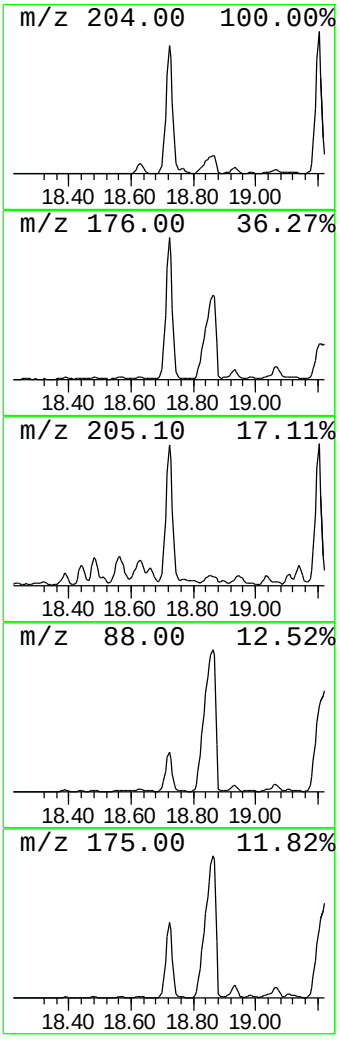
****

Peak Number 25 Cyclopenta(def)phenanthrenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	79.78 ng/ul	14798600	Phenanthrene-d10	16.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	50
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

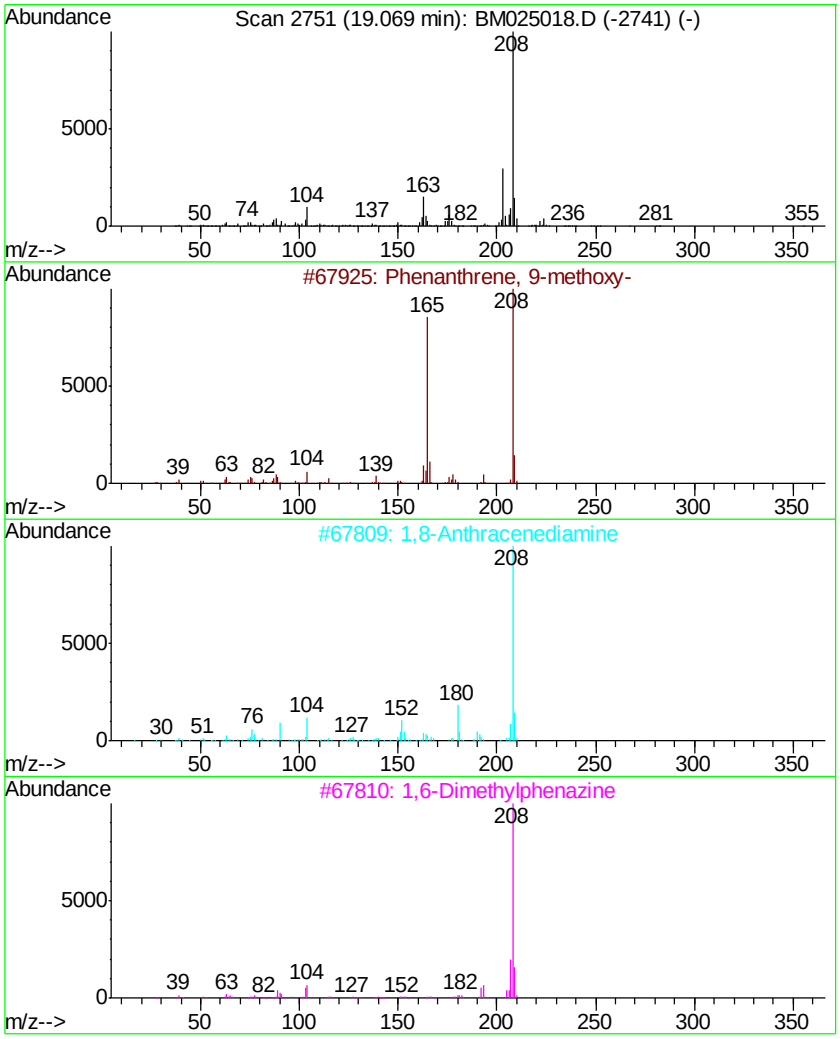
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

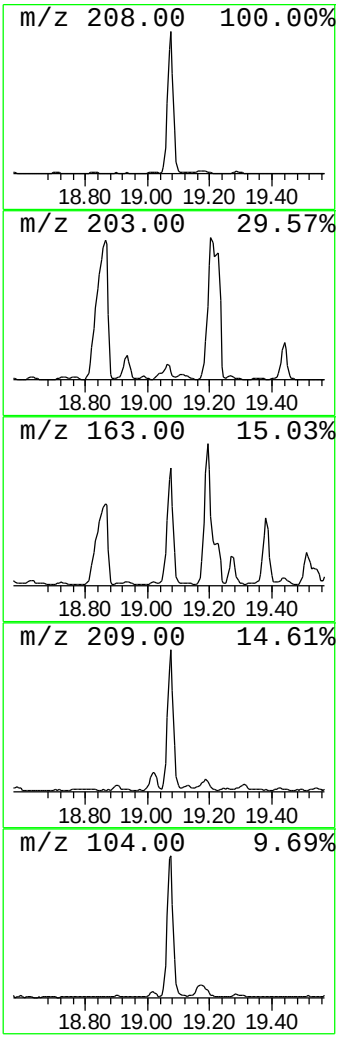
****

Peak Number 26 Phenanthrene, 9-methoxy- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	2.89 ng/ul	9792630	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	59
2	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	59
3	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	53
4	Thiourea, N-(2-methylpropyl)-N'-...	208	C11H16N2S	016275-53-9	50
5	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

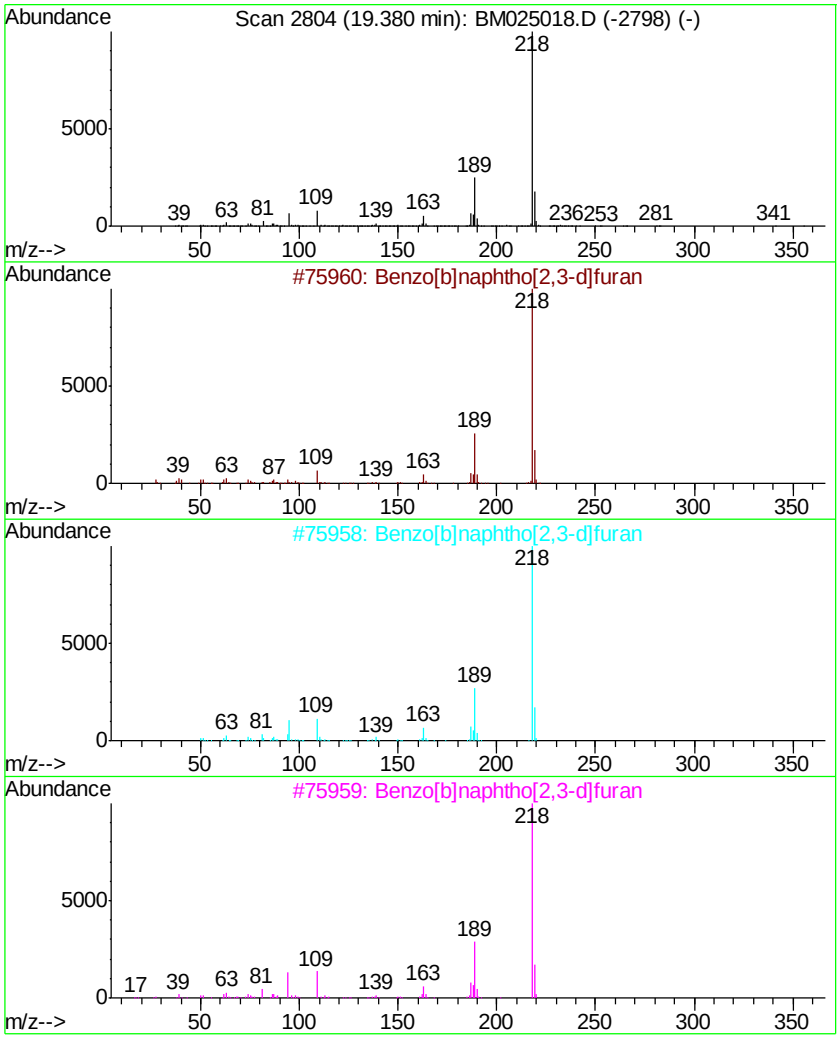
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

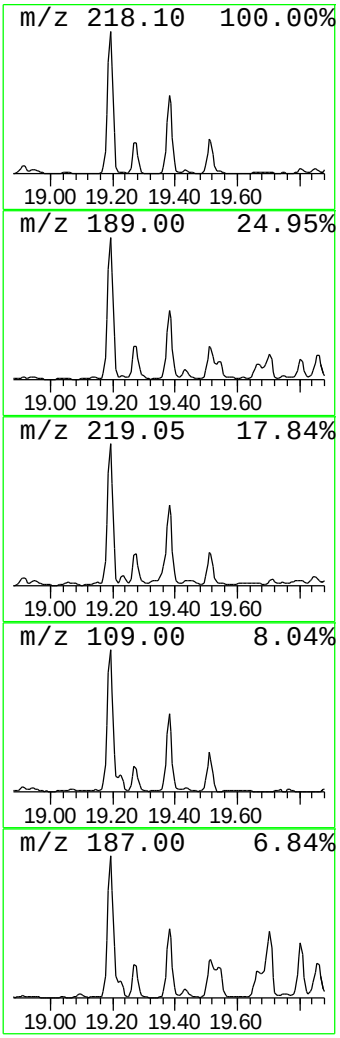
****

Peak Number 27 Benzo[b]naphtho[2,3-d]furan Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	2.63 ng/ul	8917710	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
4	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	94
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

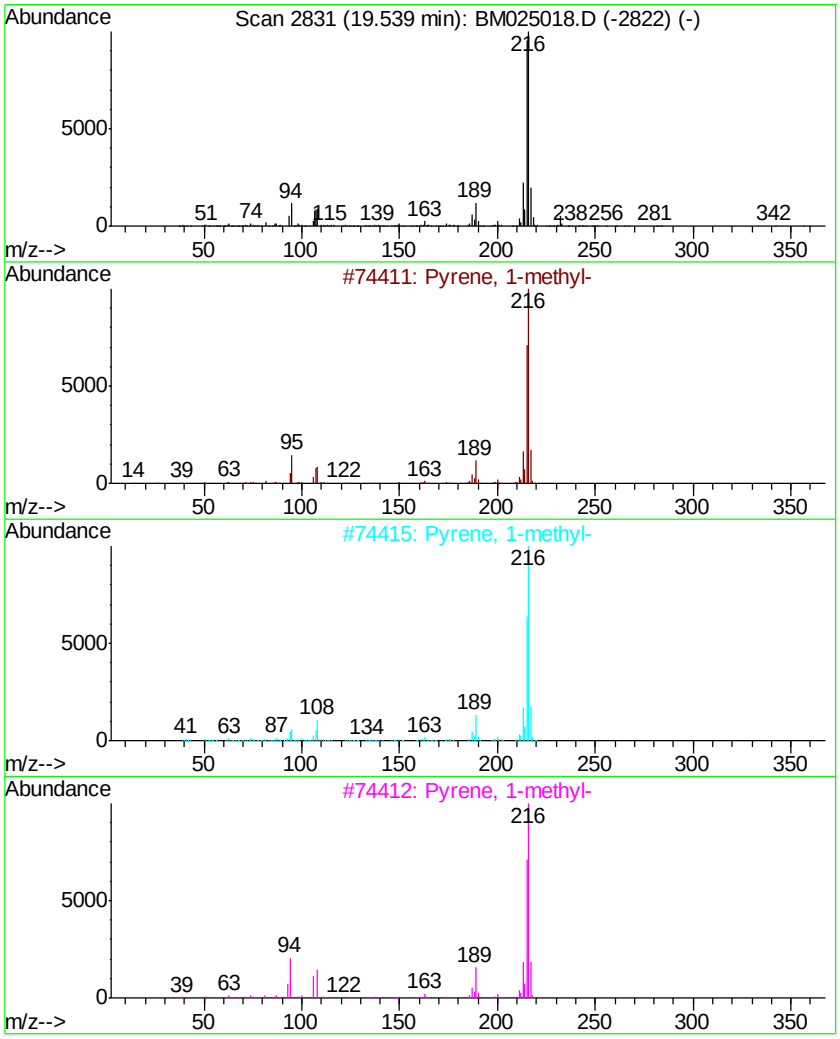
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

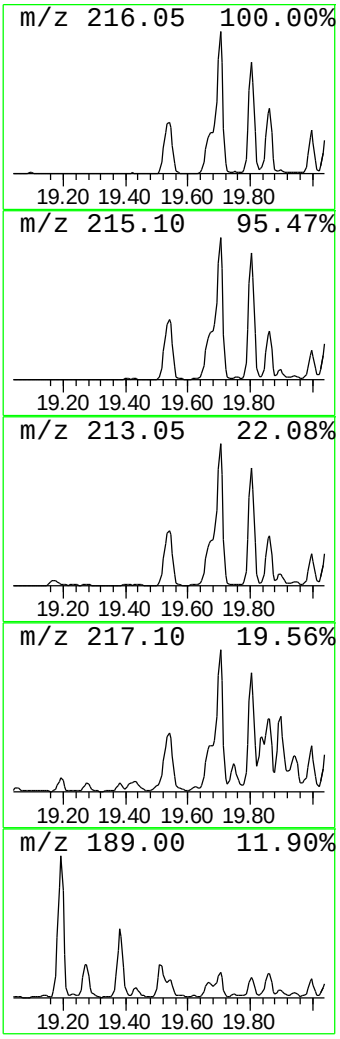
****

Peak Number 28 Pyrene, 1-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.54	4.13 ng/ul	14022100	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

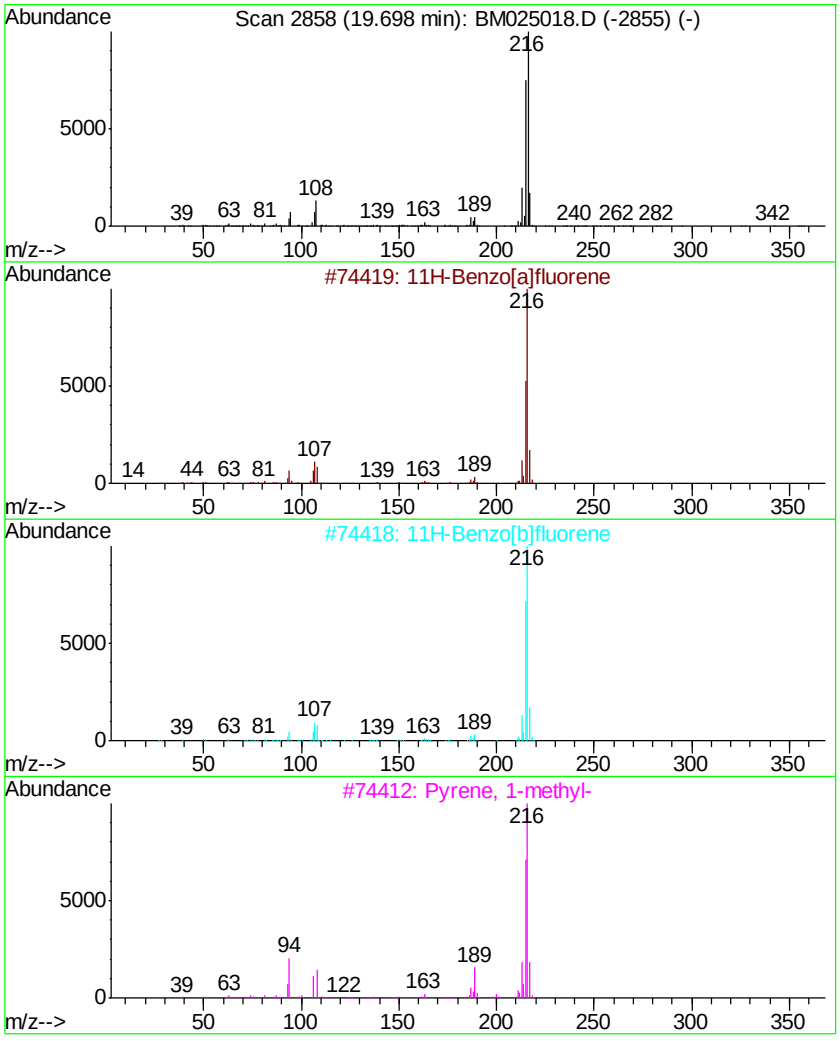
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

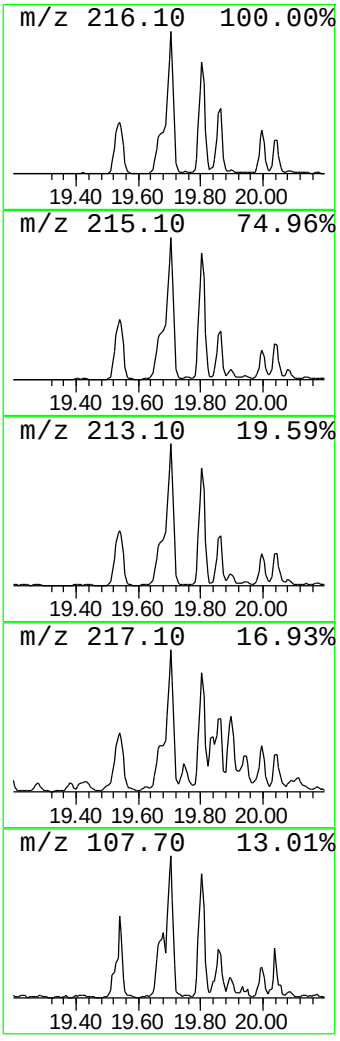
****

Peak Number 30 11H-Benzo[a]fluorene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	5.19 ng/ul	17619400	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

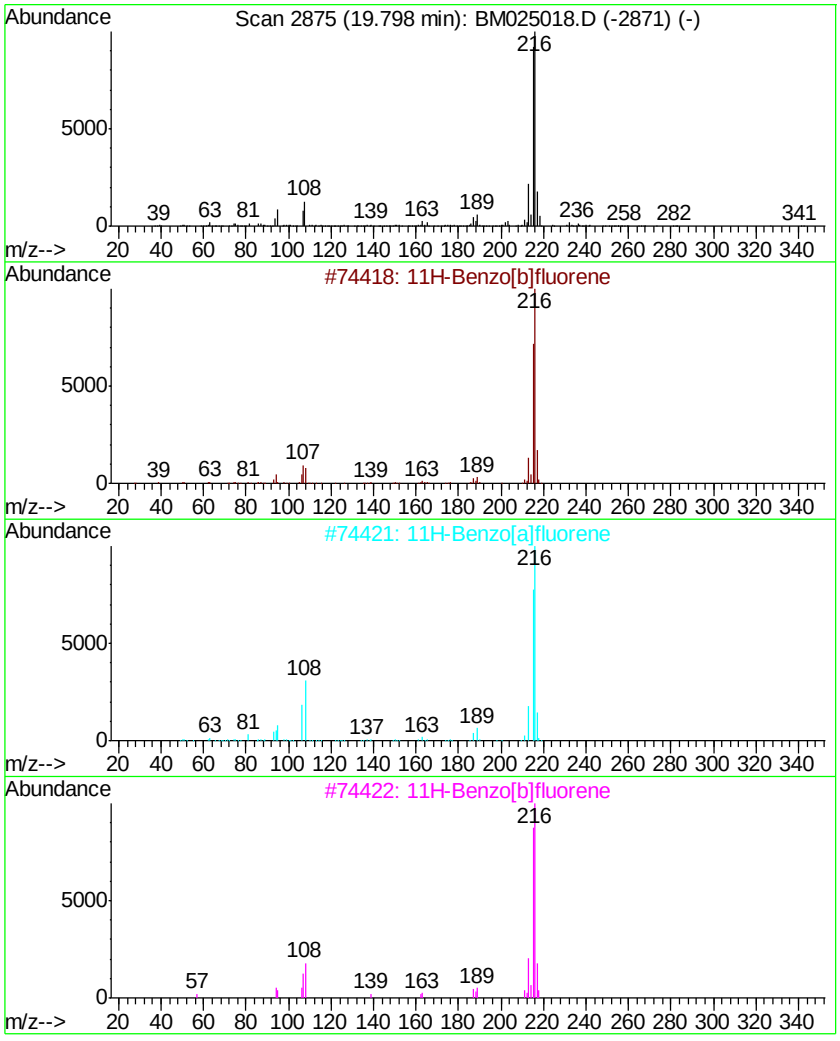
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

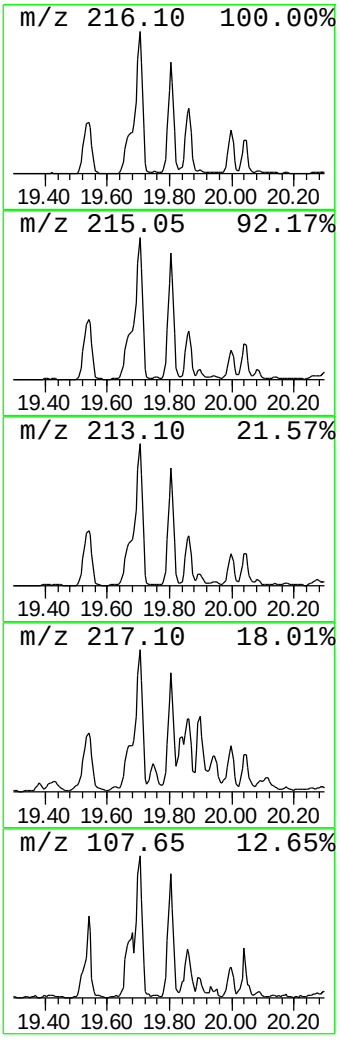
****

Peak Number 31 11H-Benzo[b]fluorene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	4.10 ng/ul	13908000	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

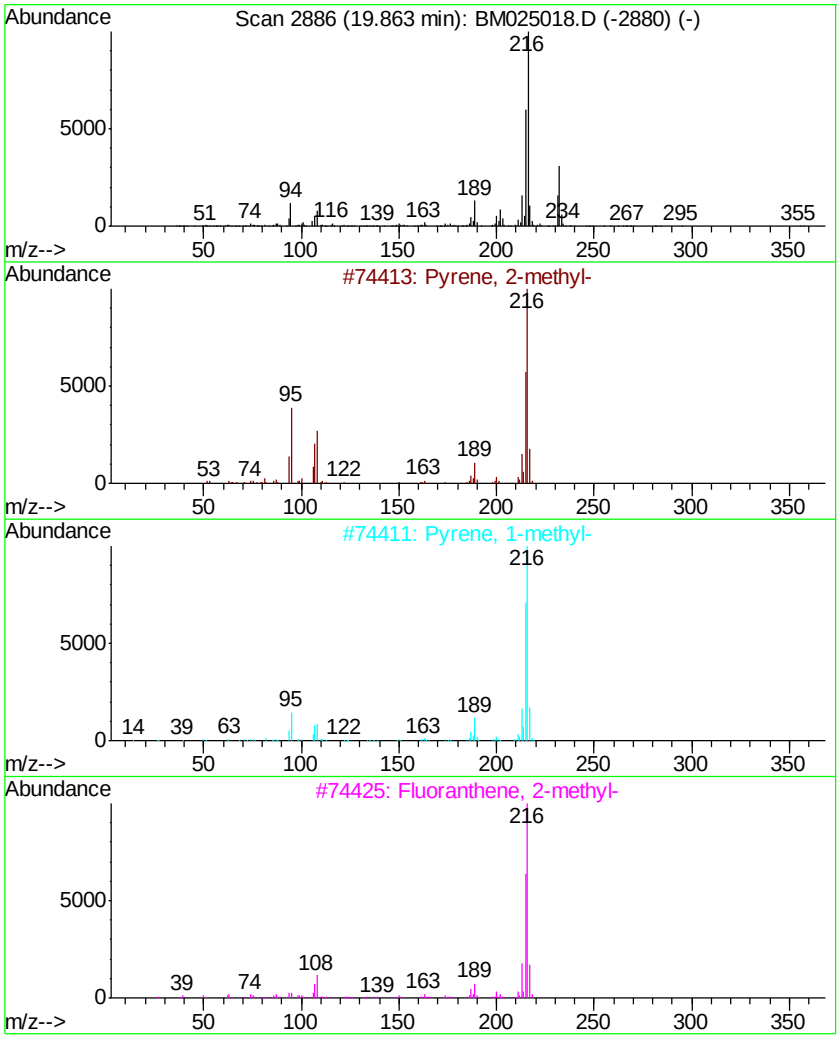
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

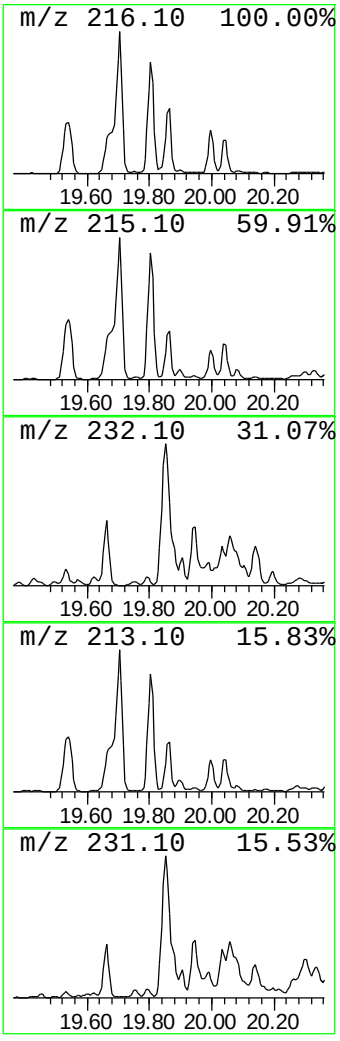
****

Peak Number 32 Pyrene, 2-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	3.50 ng/ul	11882400	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

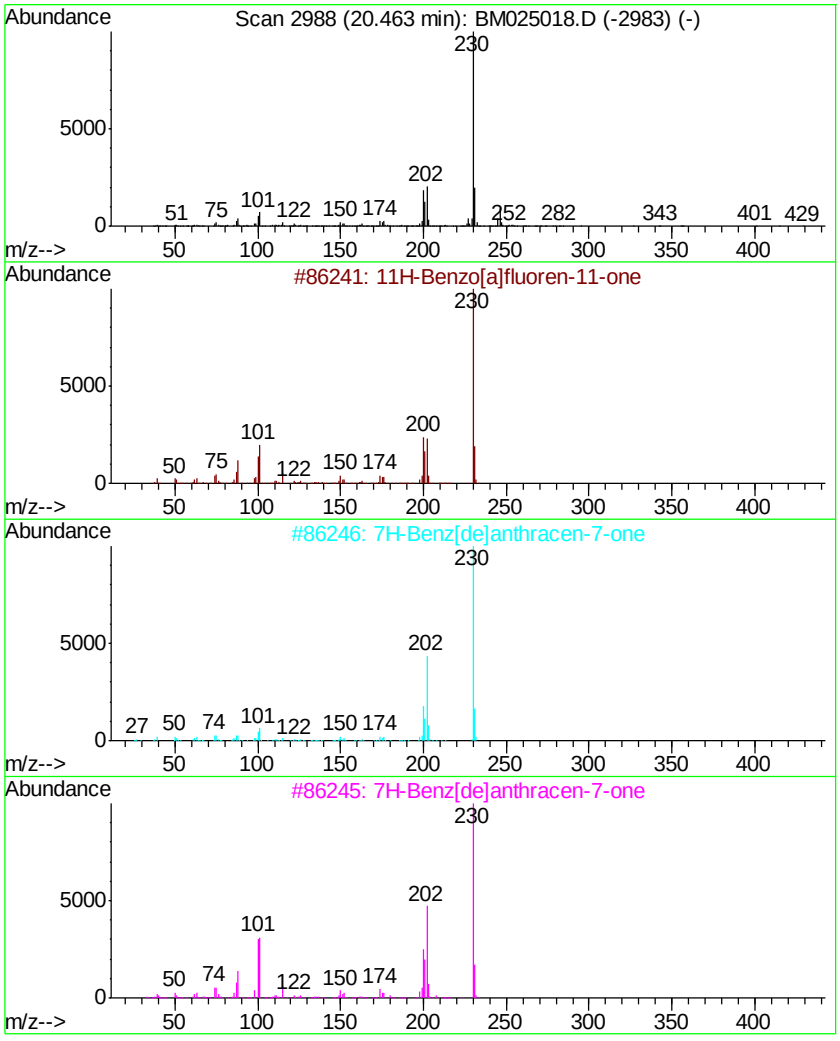
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

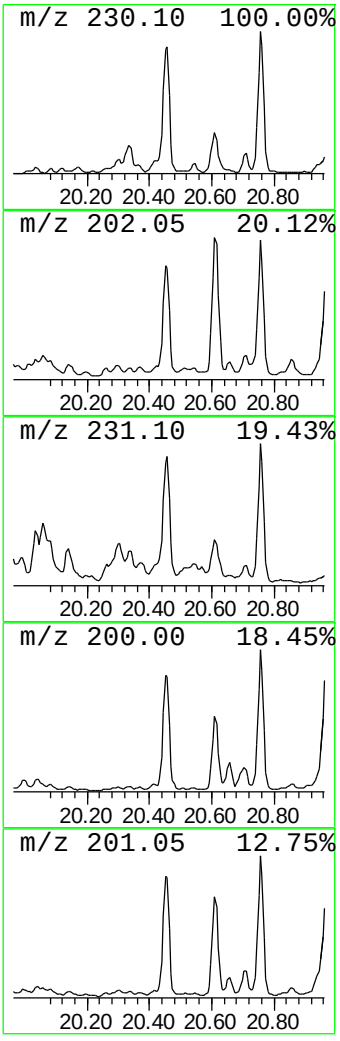
****

Peak Number 33 11H-Benzo[a]fluoren-11-one Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	2.54 ng/ul	8619400	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Data File : BM025018.D
Acq On : 22 Feb 2020 09:56
Operator : CG/JU
Sample : L1507-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD14

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.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
1-Isopropenylnaph...	14.31	11.9	ng/ul	1731540	3	13.99	2906720	20.0
9H-Fluoren-9-ol	15.50	7.0	ng/ul	1294480	4	16.75	3709850	20.0
1(2H)-Acenaphthyl...	15.73	27.9	ng/ul	5182740	4	16.75	3709850	20.0
9H-Fluorene, 9-me...	16.06	12.8	ng/ul	2368610	4	16.75	3709850	20.0
9H-Fluorene, 1-me...	16.21	7.2	ng/ul	1343270	4	16.75	3709850	20.0
Phenol, 3-(2-phen...	16.34	7.1	ng/ul	1312110	4	16.75	3709850	20.0
9H-Fluoren-9-one	16.41	16.8	ng/ul	3122280	4	16.75	3709850	20.0
Benzo[b]benzofura...	16.49	12.7	ng/ul	2352940	4	16.75	3709850	20.0
Acridine	16.95	10.4	ng/ul	1921750	4	16.75	3709850	20.0
Benzo[f]quinoline	17.13	5.3	ng/ul	986113	4	16.75	3709850	20.0
5H-[1]Pyrindine-3...	17.20	5.6	ng/ul	1031830	4	16.75	3709850	20.0
Dibenzo[a,e]cyclo...	17.28	20.0	ng/ul	3707400	4	16.75	3709850	20.0
1,2-Acenaphthylen...	17.44	19.1	ng/ul	3536730	4	16.75	3709850	20.0
Phenanthrene, 2-m...	17.63	20.9	ng/ul	3881160	4	16.75	3709850	20.0
Phenanthrene, 1-m...	17.68	34.4	ng/ul	6371630	4	16.75	3709850	20.0
4H-Cyclopenta[def...	17.83	143.9	ng/ul	26702300	4	16.75	3709850	20.0
1,2,4,8-Tetrameth...	18.14	10.3	ng/ul	1901470	4	16.75	3709850	20.0
9,10-Anthracenedione	18.18	9.3	ng/ul	1727760	4	16.75	3709850	20.0
Anthracene, 2-ethyl-	18.39	21.1	ng/ul	3910400	4	16.75	3709850	20.0
Phenanthrene, 3,6...	18.44	5.5	ng/ul	1026960	4	16.75	3709850	20.0
Phenanthrene, 2,5...	18.56	18.7	ng/ul	3476570	4	16.75	3709850	20.0
9,10-Bis(bromomet...	18.63	7.6	ng/ul	1407900	4	16.75	3709850	20.0
Cyclopenta(def)ph...	18.72	79.8	ng/ul	14798600	4	16.75	3709850	20.0
Phenanthrene, 9-m...	19.07	2.9	ng/ul	9792630	5	20.99	67882200	20.0
Benzo[b]naphtho[2...	19.38	2.6	ng/ul	8917710	5	20.99	67882200	20.0
Pyrene, 1-methyl-	19.54	4.1	ng/ul	14022100	5	20.99	67882200	20.0
11H-Benzo[a]fluorene	19.70	5.2	ng/ul	17619400	5	20.99	67882200	20.0
11H-Benzo[b]fluorene	19.80	4.1	ng/ul	13908000	5	20.99	67882200	20.0
Pyrene, 2-methyl-	19.86	3.5	ng/ul	11882400	5	20.99	67882200	20.0
11H-Benzo[a]fluor...	20.46	2.5	ng/ul	8619400	5	20.99	67882200	20.0