LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

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-BM051619MA.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	7.263	725	727	732	rVB4	7120	9248	0.43%	0.048%
2	7.734	801	807	817	rBV	253532	409213	18.85%	2.130%
3	10.528	1275	1282	1295	rBV	306962	550737	25.37%	2.866%
4	12.051	1534	1541	1543	rBV4	3616	6972	0.32%	0.036%
5	13.798	1834	1838	1842	rBV	13093	19354	0.89%	0.101%
6	13.839	1842	1845	1856	rVB2	18894	30184	1.39%	0.157%
7	14.110	1881	1891	1901	rBV2	134652	237505	10.94%	1.236%
8	14.386	1932	1938	1946	rBV2	487121	729472	33.60%	3.797%
9	14.445	1946	1948	1954	rVB	4675	6678	0.31%	0.035%
10	14.998	2035	2042	2047	rBV4	5777	11008	0.51%	0.057%
11	15.257	2082	2086	2090	rVV	15129	20288	0.93%	0.106%
12	15.380	2102	2107	2112	rVV2	32318	42450	1.96%	0.221%
13	15.451	2112	2119	2124	rVV2	8822	17333	0.80%	0.090%
14	15.563	2134	2138	2142	rVB2	6200	9143	0.42%	0.048%
15	15.639	2142	2151	2157	rBV4	8734	24623	1.13%	0.128%
16	15.780	2170	2175	2179	rVB3	3058	5185	0.24%	0.027%
17	16.080	2223	2226	2228	rVV2	11392	15050	0.69%	0.078%
18	16.098	2228	2229	2241	rVB7	14052	24659	1.14%	0.128%
19	16.421	2279	2284	2287	rBV2	6239	10010	0.46%	0.052%
20	16.492	2293	2296	2300	rVB3	6745	7346	0.34%	0.038%
21	16.533	2300	2303	2308	rVB3	5138	8537	0.39%	0.044%
22	16.586	2308	2312	2319	rBV6	7521	12067	0.56%	0.063%
23	16.715	2330	2334	2339	rVV2	10225	16787	0.77%	0.087%
24	16.804	2344	2349	2352	rVB5	3763	6616	0.30%	0.034%
25	16.874	2357	2361	2365	rVV4	14541	20020	0.92%	0.104%
26	16.927	2365	2370	2374	rVV4	8437	15916	0.73%	0.083%
27	16.962	2374	2376	2382	rVB4	4848	5692	0.26%	0.030%
28	17.133	2398	2405	2410	rBV2	608204	885814	40.81%	4.610%
29	17.174	2410	2412	2417	rVV2	30247	39837	1.84%	0.207%
30	17.239	2417	2423	2425	rVV	21590	33468	1.54%	0.174%
31	17.268	2425	2428	2433	rVB	49928	69592	3.21%	0.362%
32	17.427	2453	2455	2460	rVB4	5326	7702	0.35%	0.040%
33	17.527	2469	2472	2474	rBV3	6998	8232	0.38%	0.043%
34	17.615	2481	2487	2490	rBV4	18468	25066	1.15%	0.130%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

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-BM051619MA.M
Title : SVOA CALIBRATION

35	17.656	2490	2494	2498	rVB	25603	31857	1.47%	0.166%
36	17.715	2501	2504	2509	rVB3	9598	16753	0.77%	0.087%
37	17.774	2512	2514	2516	rBV3	5489	5582	0.26%	0.029%
38	17.821	2518	2522	2528	rBV3	14335	26097	1.20%	0.136%
39	17.939	2537	2542	2546	rBV4	8895	15217	0.70%	0.079%
40	18.009	2550	2554	2558	rBV3	25797	43748	2.02%	0.228%
41	18.056	2558	2562	2567	rVB2	31391	43621	2.01%	0.227%
42	18.139	2572	2576	2582	rBV	24755	35202	1.62%	0.183%
43	18.204	2582	2587	2592	rVV3	153823	269228	12.40%	1.401%
44	18.239	2592	2593	2599	rVB	29522	35240	1.62%	0.183%
45	18.309	2602	2605	2612	rVB3	16073	31461	1.45%	0.164%
46	18.374	2612	2616	2618	rBV4	6173	9950	0.46%	0.052%
47	18.404	2618	2621	2625	rVB3	9683	15575	0.72%	0.081%
48	18.468	2625	2632	2635	rBV7	10809	24575	1.13%	0.128%
49	18.509	2635	2639	2643	rVV5	17699	30855	1.42%	0.161%
50	18.562	2645	2648	2654	rVV6	18518	31866	1.47%	0.166%
51	18.651	2658	2663	2665	rBV6	5848	9471	0.44%	0.049%
52	18.727	2672	2676	2678	rBV4	14269	20278	0.93%	0.106%
53	18.756	2679	2681	2684	rVV3	18006	22262	1.03%	0.116%
54	18.809	2686	2690	2693	rVV	24091	32833	1.51%	0.171%
55	18.851	2693	2697	2700	rVB3	21258	27748	1.28%	0.144%
56	18.927	2705	2710	2716	rBV	115093	205408	9.46%	1.069%
57	18.992	2716	2721	2725	rVV4	73163	144166	6.64%	0.750%
58	19.021	2725	2726	2730	rVB	41963	38175	1.76%	0.199%
59	19.080	2730	2736	2747	rBV2	147577	315903	14.55%	1.644%
60	19.198	2748	2756	2762	rBV	749035	980927	45.19%	5.106%
61	19.256	2763	2766	2770	rVB	28848	36367	1.68%	0.189%
62	19.298	2770	2773	2777	rVB4	20744	30461	1.40%	0.159%
63	19.351	2777	2782	2787	rBV	157000	208138	9.59%	1.083%
64	19.468	2794	2802	2807	rVB2	89600	158501	7.30%	0.825%
65	19.562	2808	2818	2826	rBV	1401414	2144078	98.77%	11.159%
66	19.633	2826	2830	2835	rVB2	57040	82355	3.79%	0.429%
67	19.692	2836	2840	2841	rBV4	13309	16767	0.77%	0.087%
68	19.798	2855	2858	2864	rVB5	35053	50571	2.33%	0.263%
69	19.886	2868	2873	2883	rVB	140288	303265	13.97%	1.578%
70	19.974	2884	2888	2891	rBV6	24951	39886	1.84%	0.208%
71	20.033	2891	2898	2899	rBV3	149159	272208	12.54%	1.417%

LSC Area Percent Report

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Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

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-BM051619MA.M
Title : SVOA CALIBRATION

72	20.056	2900	2902	2910	rVB	212107	274639	12.65%	1.429%
73	20.121	2910	2913	2915	rBV3	35546	42480	1.96%	0.221%
74	20.156	2915	2919	2924	rBV	113196	148772	6.85%	0.774%
75	20.215	2925	2929	2933	rBV	205335	281155	12.95%	1.463%
76	20.315	2941	2946	2949	rBV3	36868	61231	2.82%	0.319%
77	20.356	2949	2953	2957	rVV	215752	283828	13.08%	1.477%
78	20.403	2957	2961	2968	rVB2	218370	306749	14.13%	1.597%
79	20.603	2992	2995	2998	rBV3	27455	40952	1.89%	0.213%
80	20.721	3012	3015	3018	rBV4	30070	39982	1.84%	0.208%
81	20.939	3049	3052	3055	rBV3	44410	67554	3.11%	0.352%
82	20.974	3055	3058	3061	rVV	102849	135371	6.24%	0.705%
83	21.015	3061	3065	3068	rVV	120032	155227	7.15%	0.808%
84	21.050	3068	3071	3075	rVB	113938	130664	6.02%	0.680%
85	21.221	3097	3100	3109	rVB3	36211	72676	3.35%	0.378%
86	21.327	3111	3118	3122	rBV3	1061814	2170747	100.00%	11.298%
87	21.368	3122	3125	3131	rVB	509337	685291	31.57%	3.567%
88	21.539	3150	3154	3164	rVB2	162412	246512	11.36%	1.283%
89	21.692	3177	3180	3184	rBV5	52007	75445	3.48%	0.393%
90	21.827	3200	3203	3205	rBV2	49782	54961	2.53%	0.286%
91	21.886	3206	3213	3218	rVV	182647	380888	17.55%	1.982%
92	21.933	3219	3221	3227	rVB	106910	129784	5.98%	0.675%
93	22.080	3244	3246	3249	rBV2	69094	81335	3.75%	0.423%
94	22.115	3249	3252	3257	rVB2	103955	150983	6.96%	0.786%
95	22.921	3383	3389	3401	rVB	345728	1098106	50.59%	5.715%
96	23.091	3413	3418	3426	rVB	134304	239391	11.03%	1.246%
97	23.403	3466	3471	3477	rBV	269807	487106	22.44%	2.535%
98	23.503	3483	3488	3494	rVB	476972	855046	39.39%	4.450%
99	23.603	3499	3505	3510	rBV	462908	859315	39.59%	4.473%
100	25.903	3889	3896	3909	rVB	159043	508467	23.42%	2.646%

Sum of corrected areas: 19213056

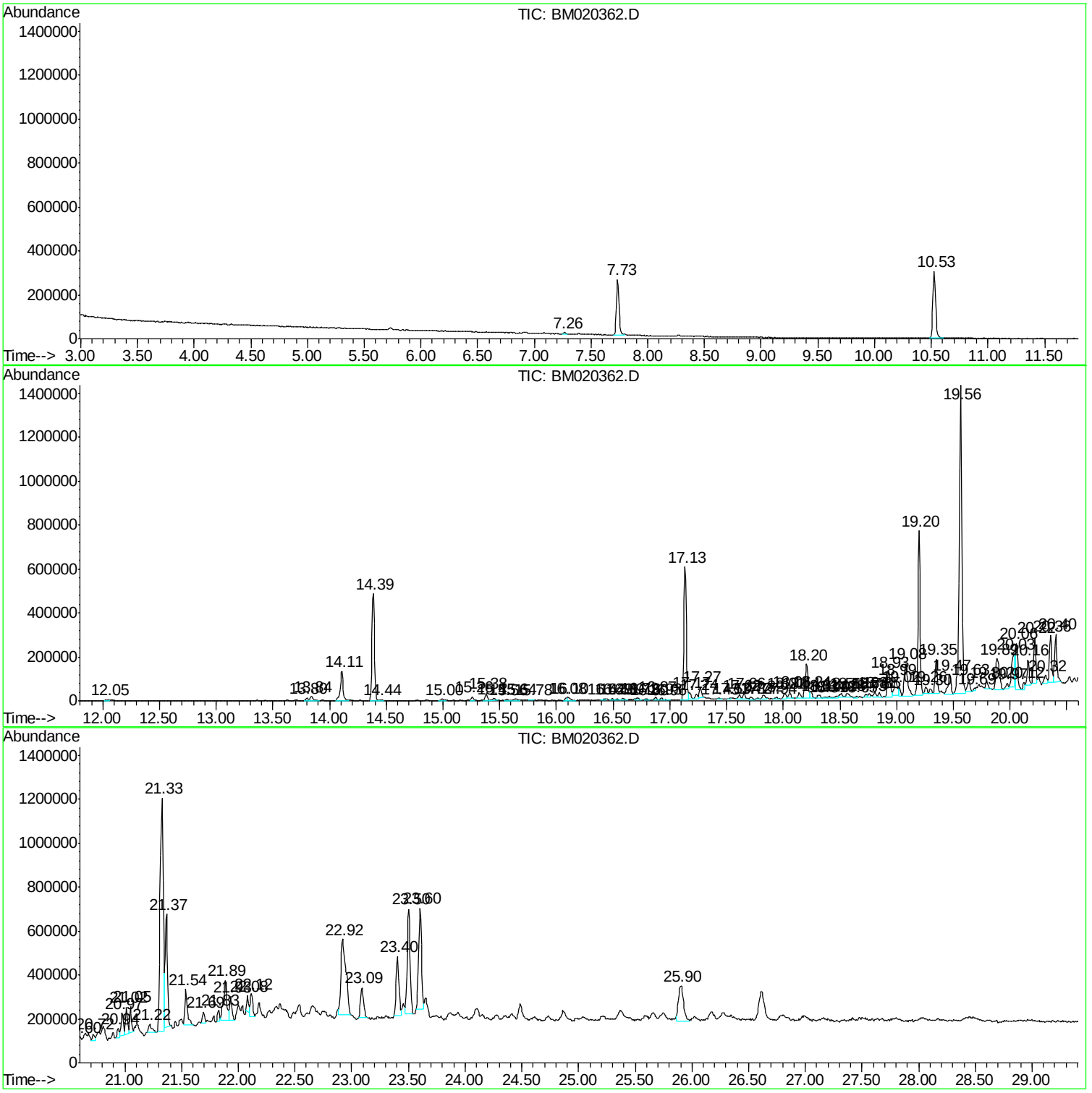
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

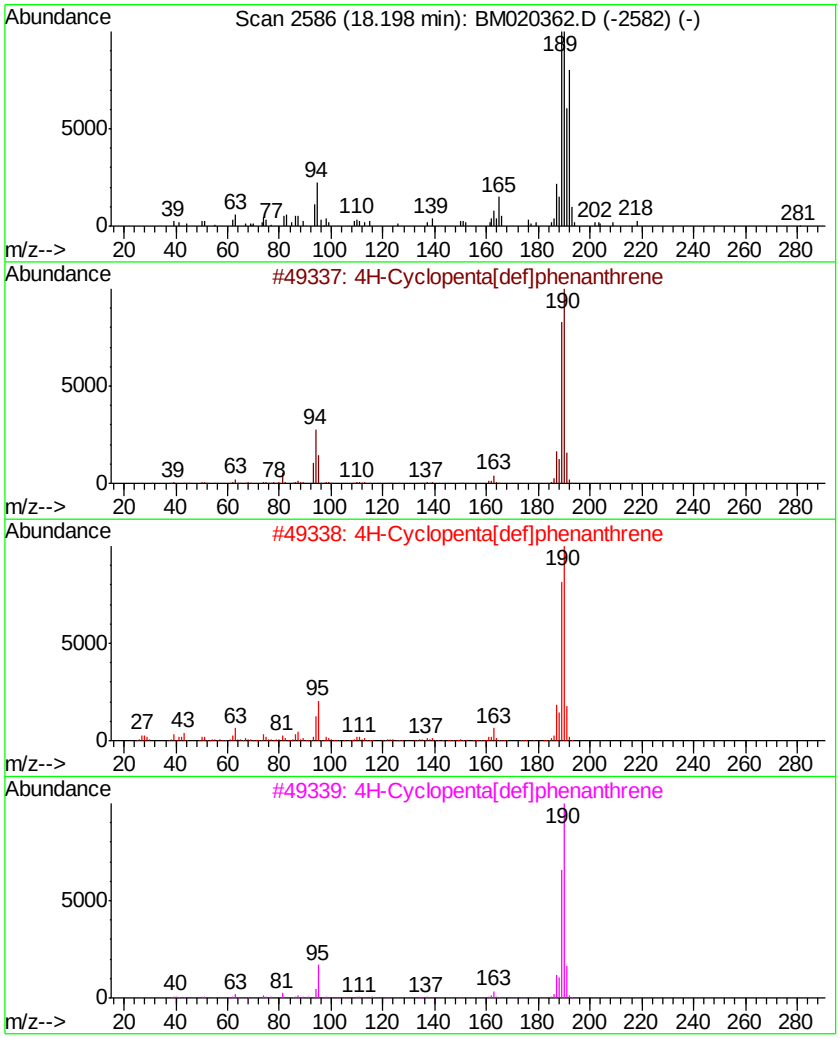
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

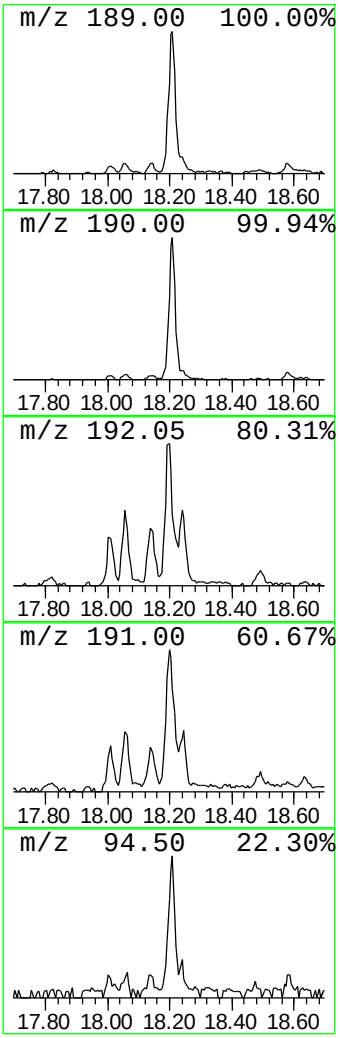
****

Peak Number 1 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	6.08 ng/ul	269228	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	47
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

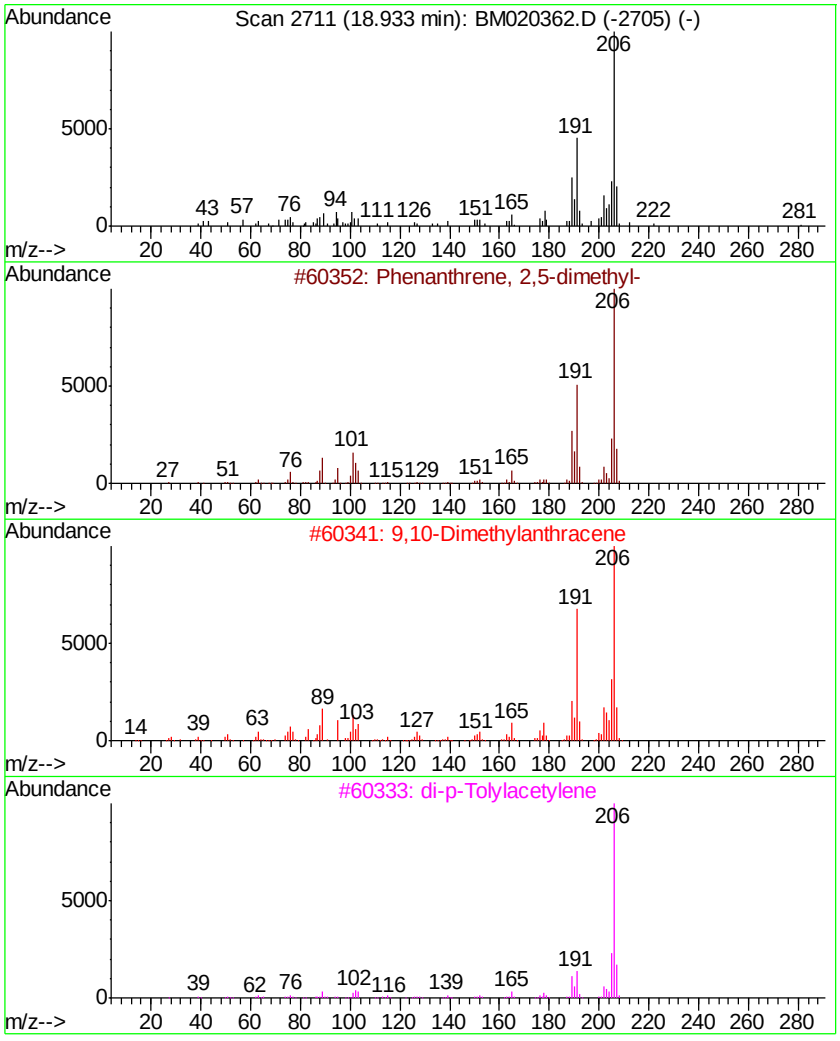
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

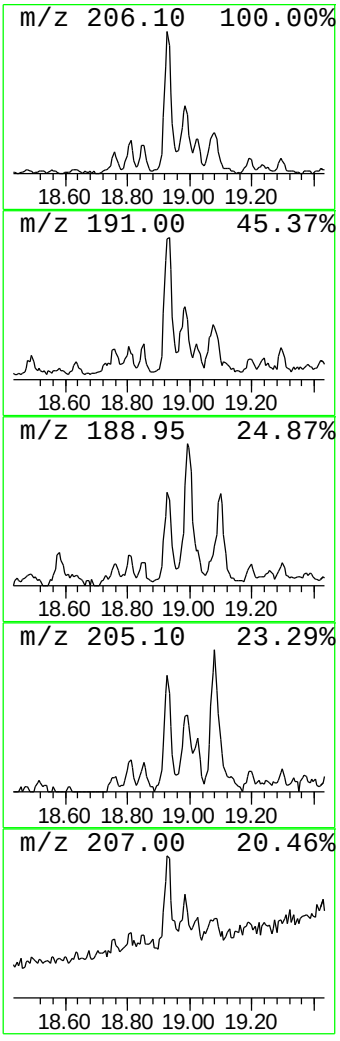
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	4.64 ng/ul	205408	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

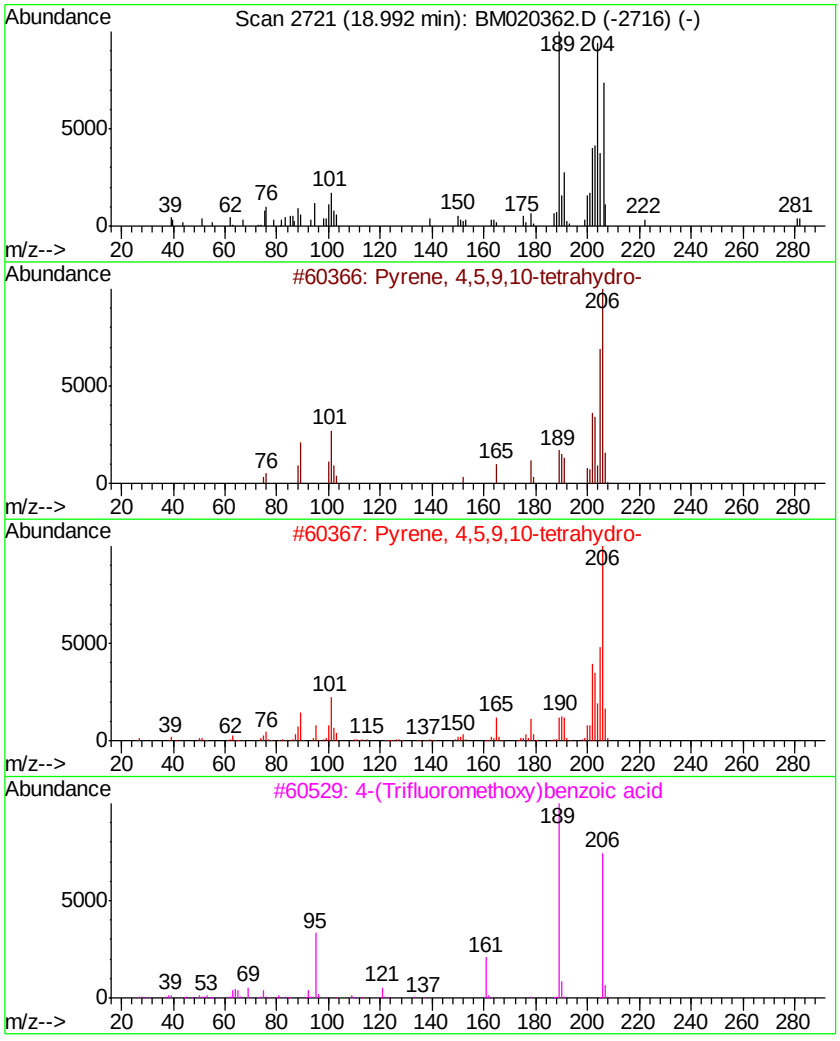
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

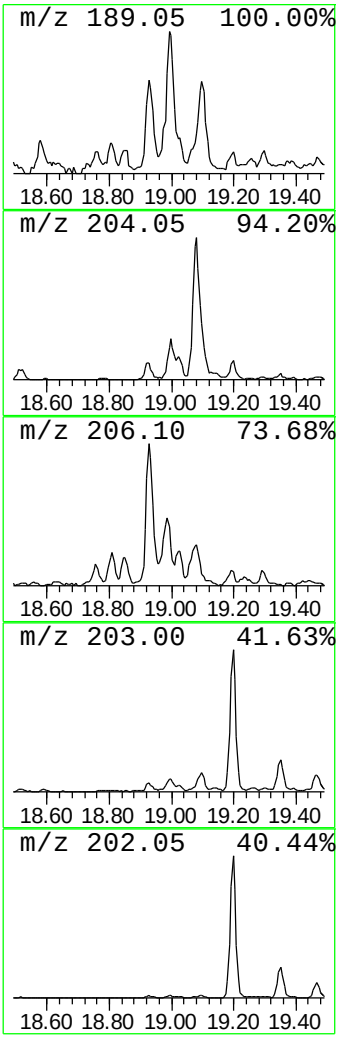
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	3.25 ng/ul	144166	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	47
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
3	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	27
4	Pyrazolo[5,1-c][1,2,4]-triazine-...	206	C8H10N6O	1000264-44-8	27
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

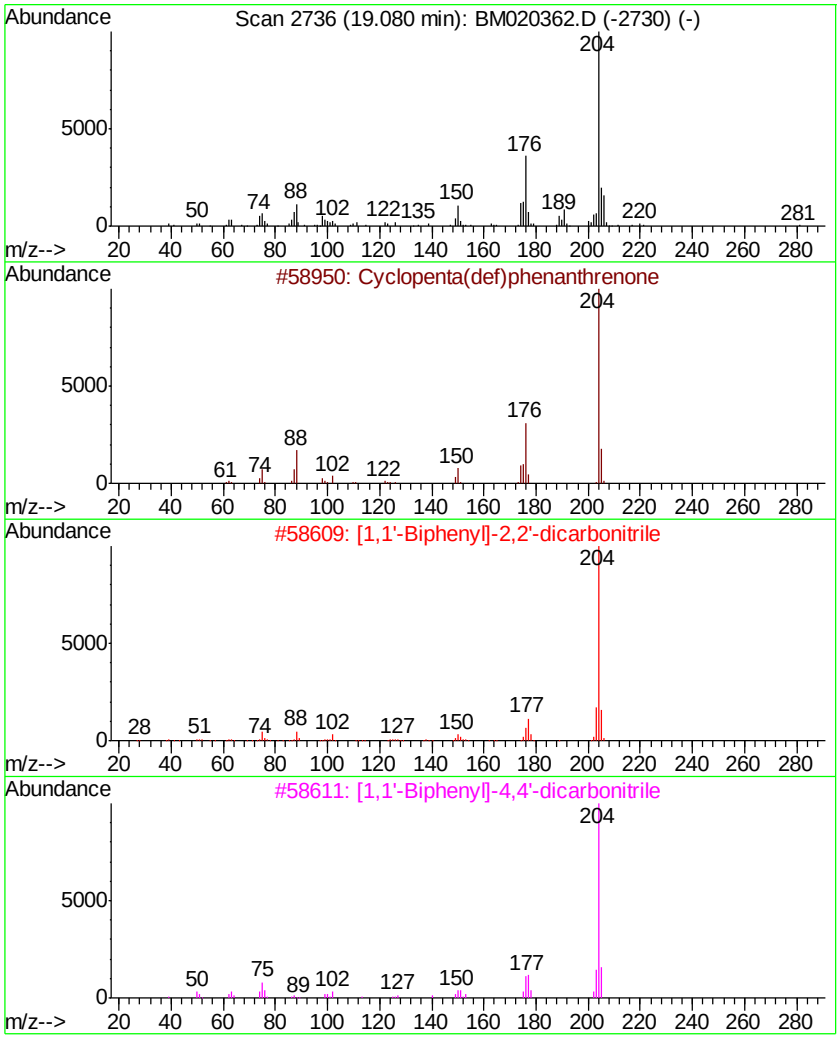
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

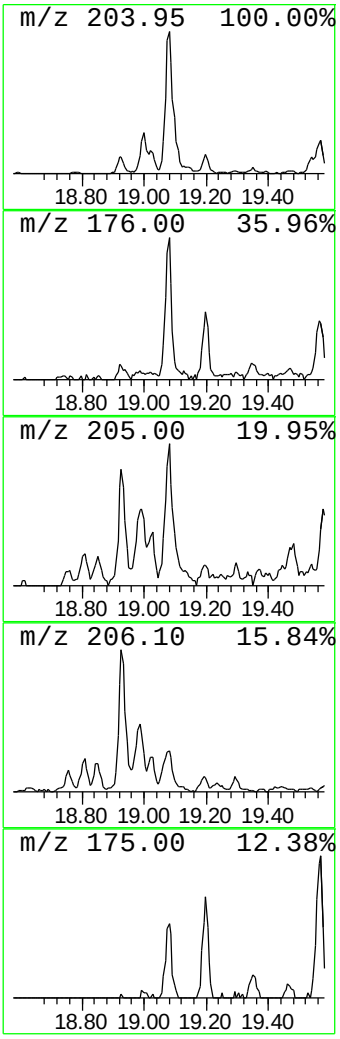
****

Peak Number 4 Cyclopenta(def)phenanthrenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	7.13 ng/ul	315903	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
5	Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

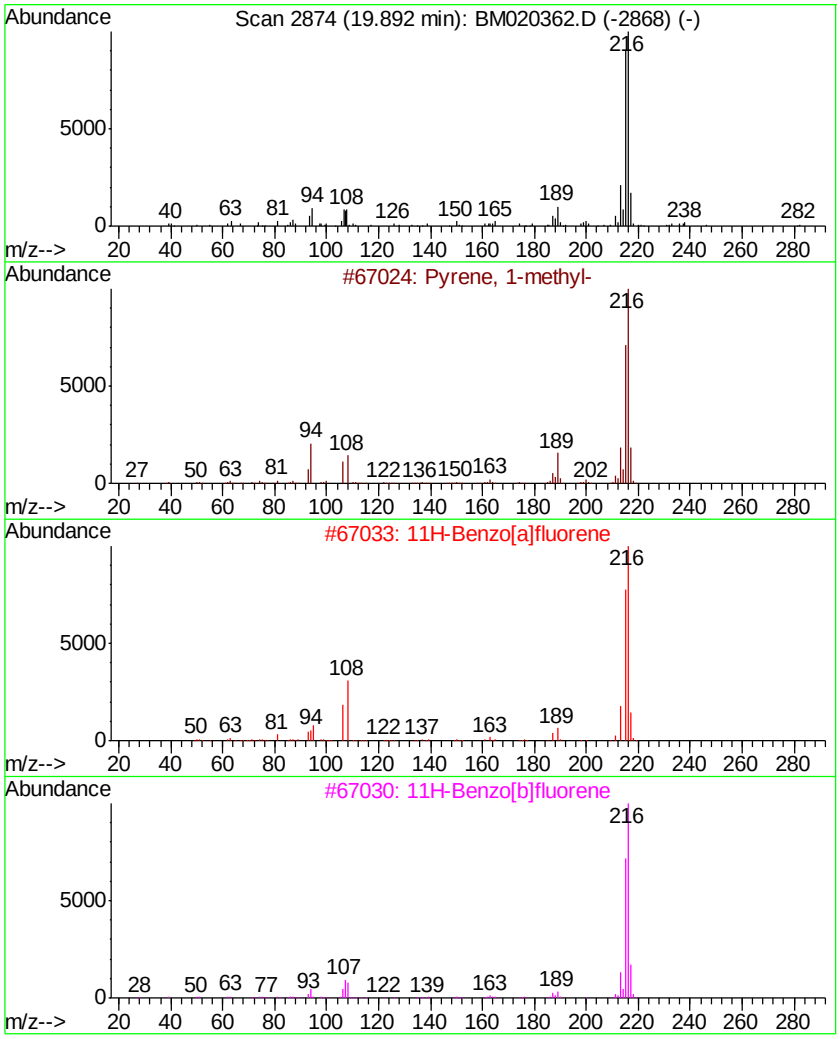
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

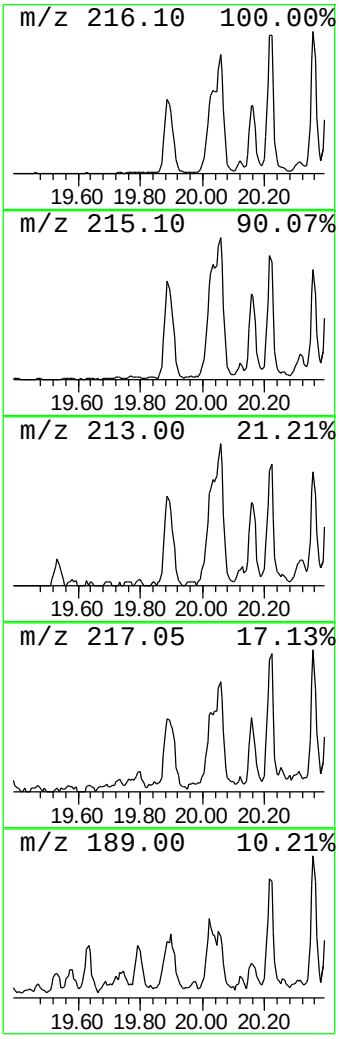
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	2.79 ng/ul	303265	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

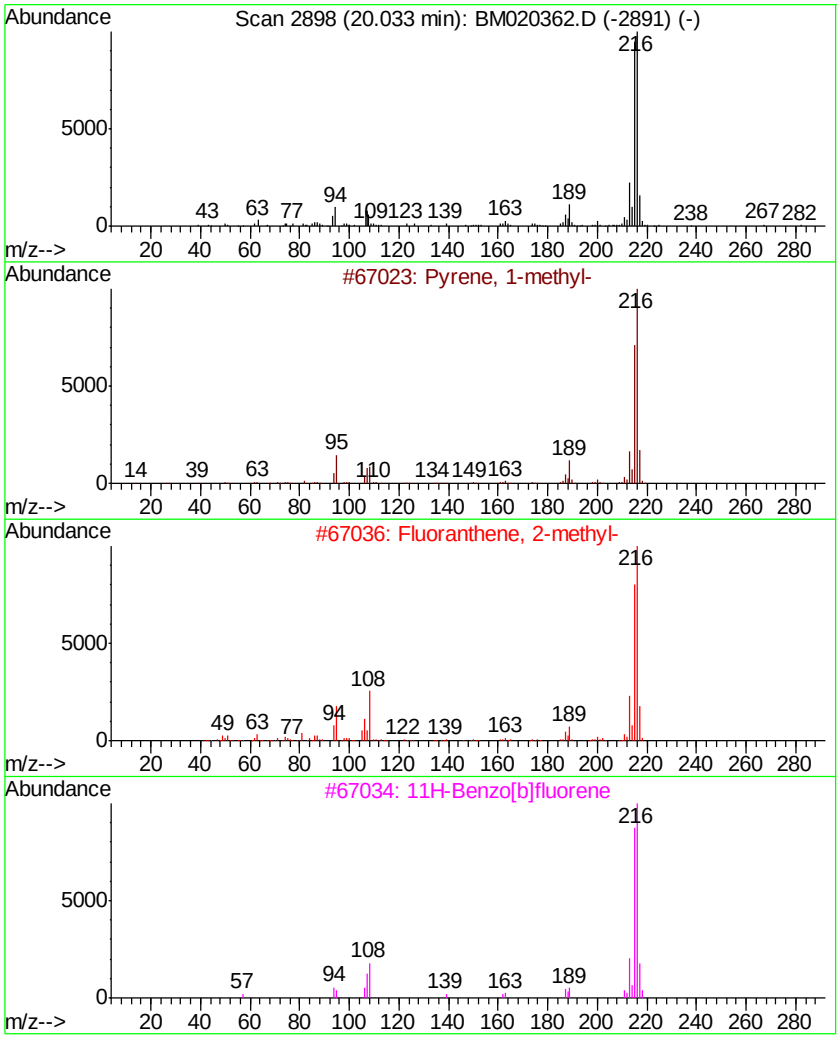
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

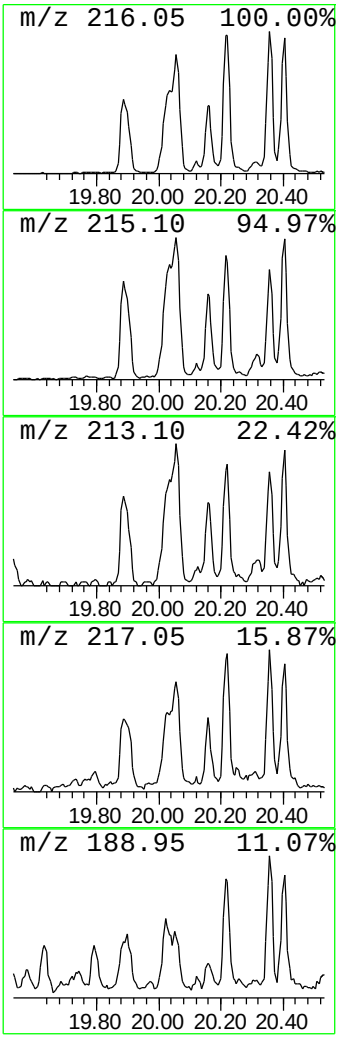
****

Peak Number 6 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	2.51 ng/ul	272208	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

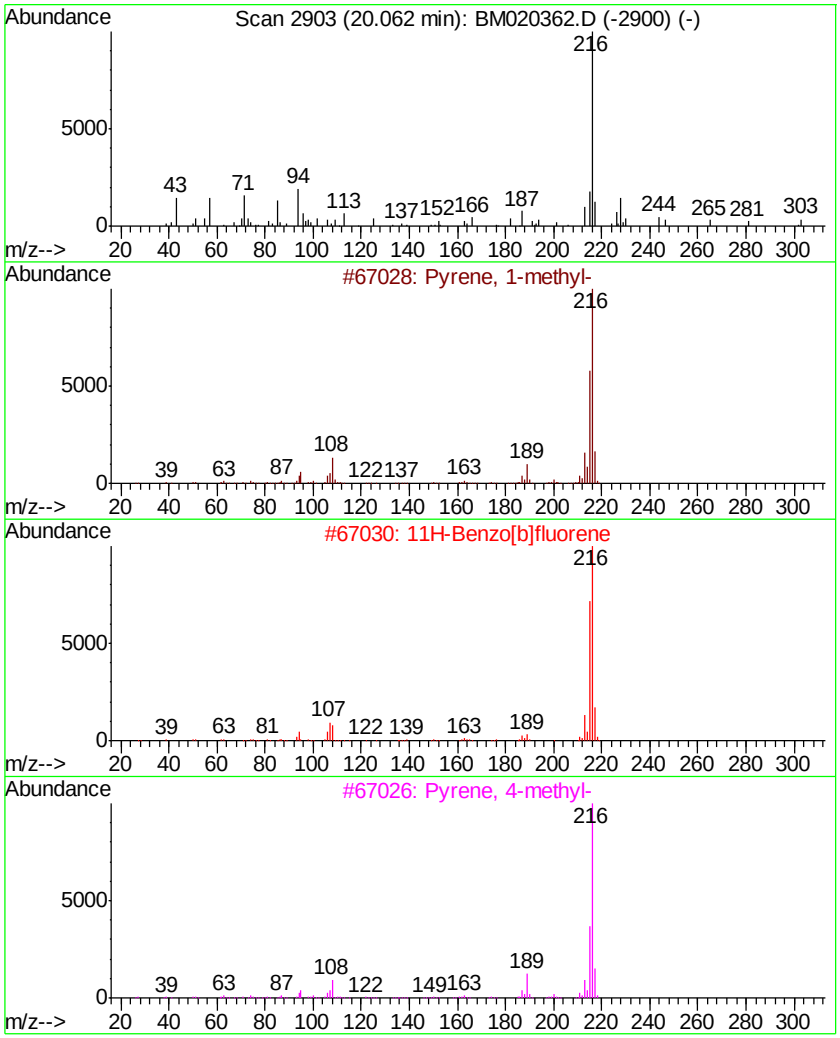
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

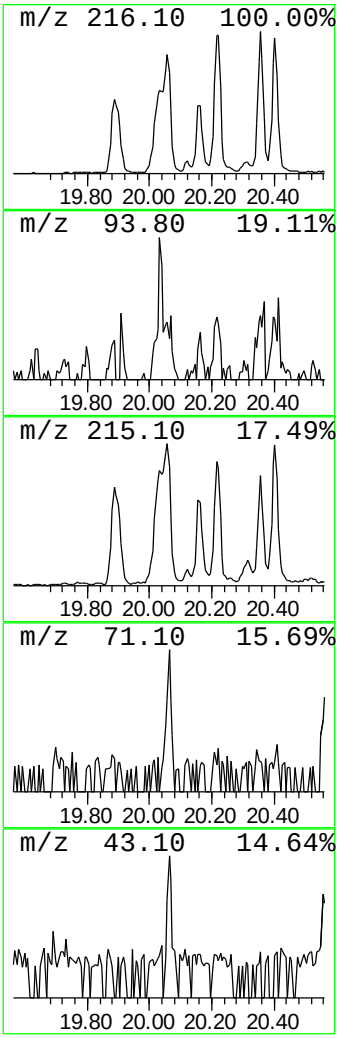
****

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	2.53 ng/ul	274639	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	80
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





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Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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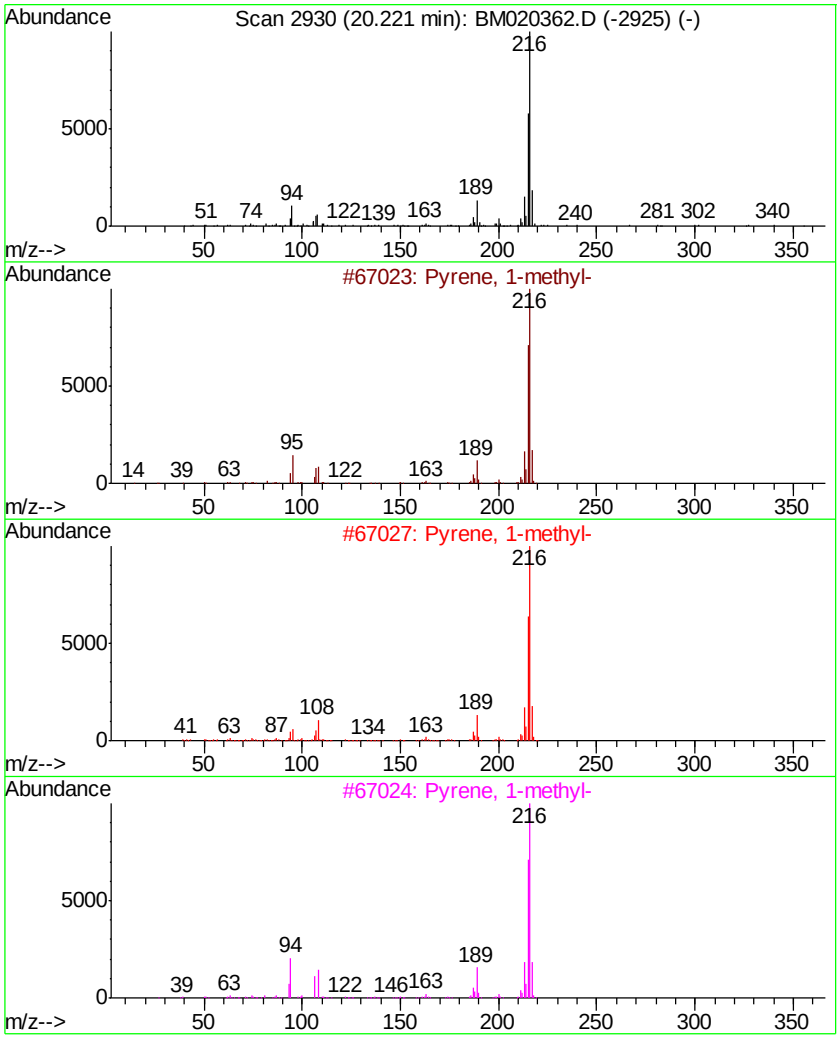
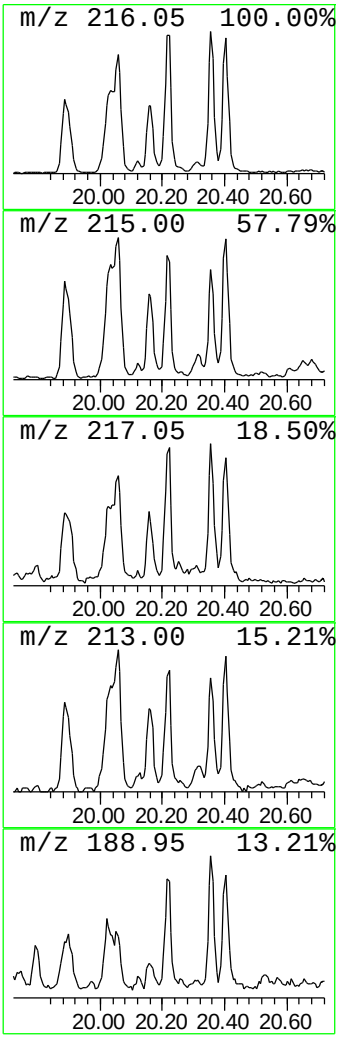
Peak Number 8 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	2.59 ng/ul	281155	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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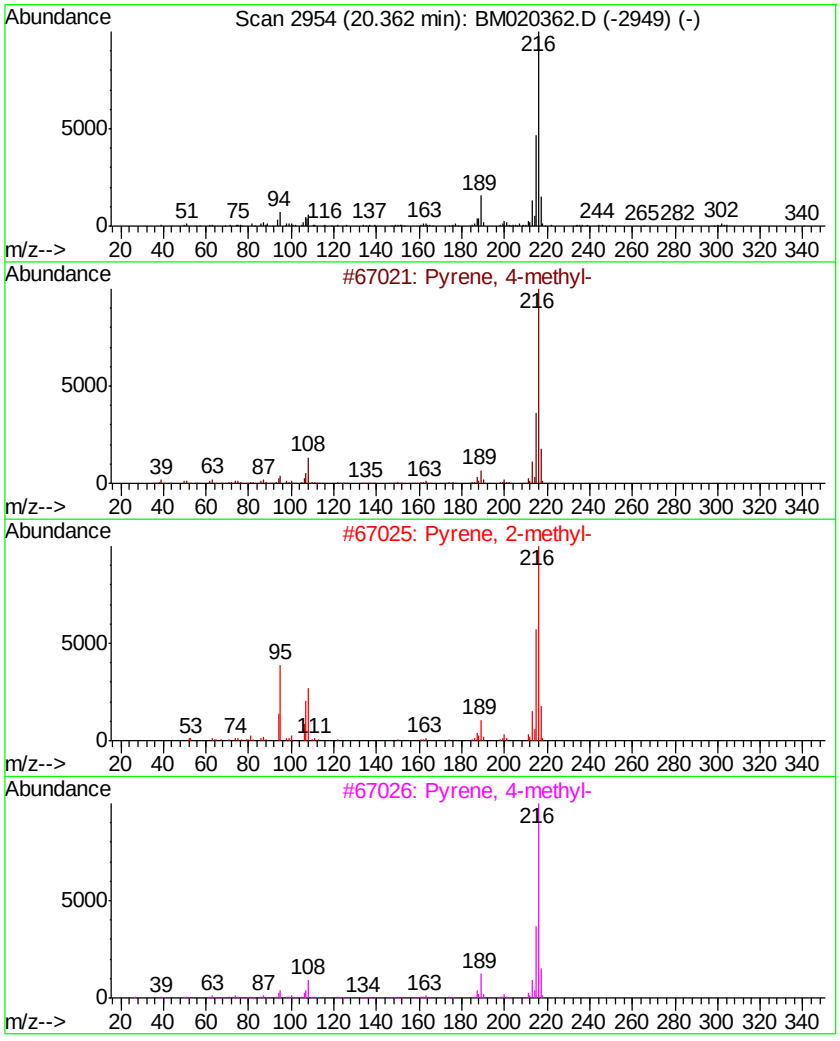
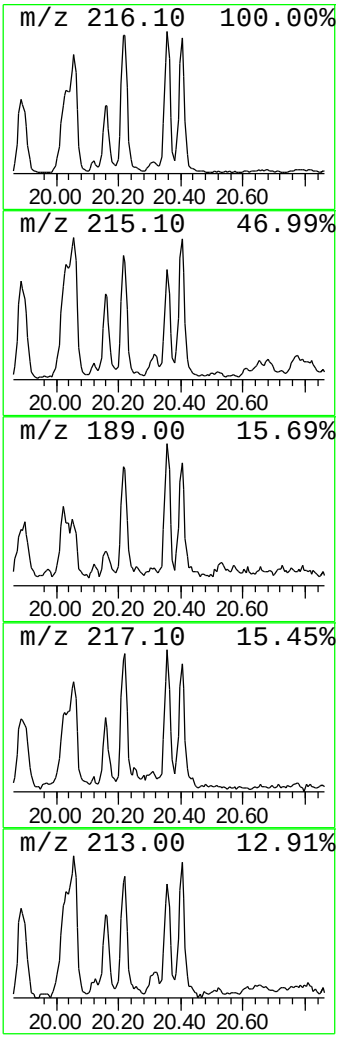
Peak Number 9 Pyrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	2.62 ng/ul	283828	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





Library Search Compound Report

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Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

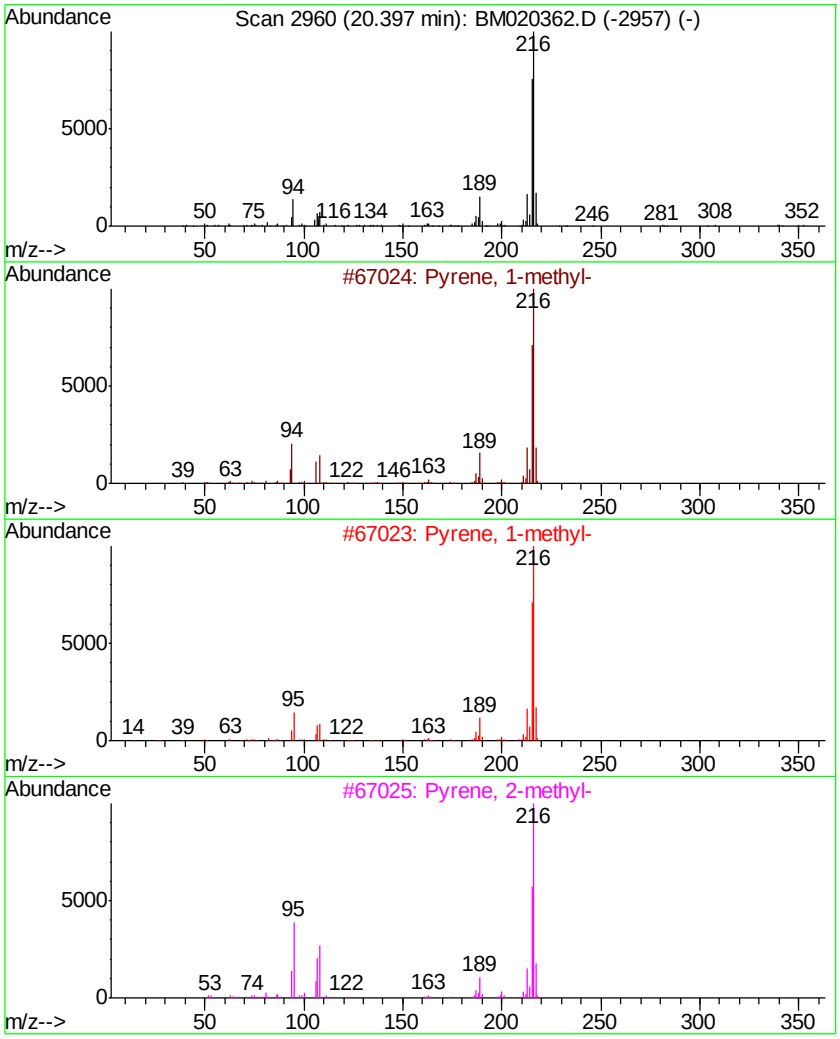
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

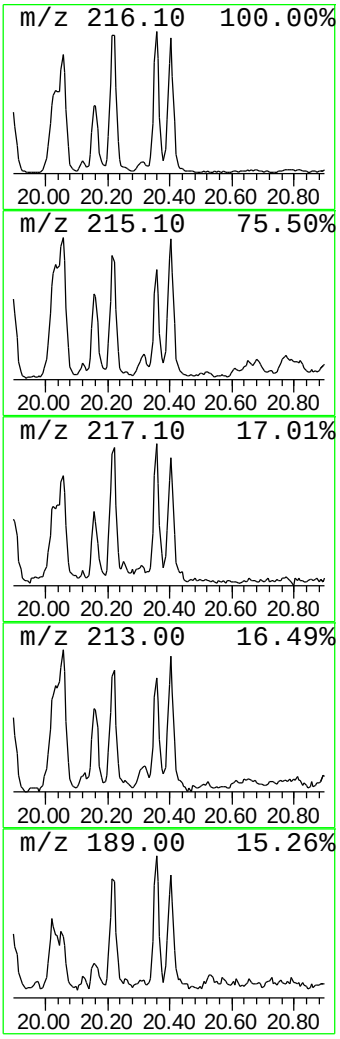
****

Peak Number 10 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.40	2.83 ng/ul	306749	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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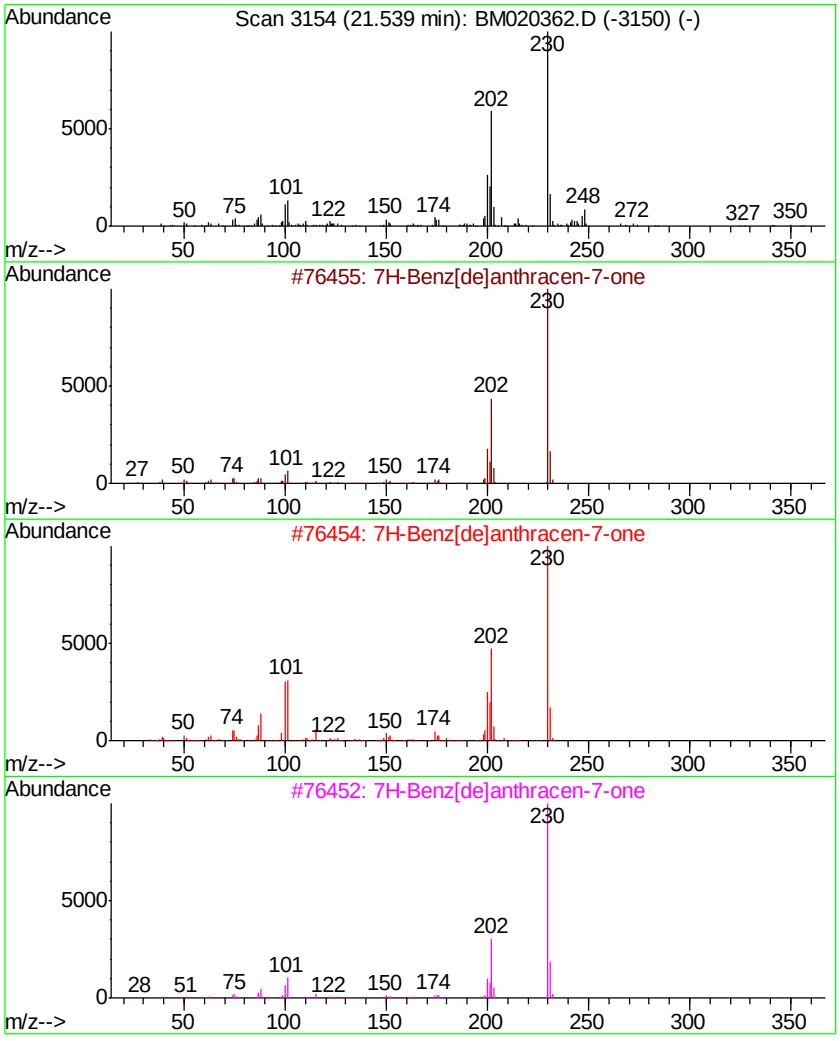
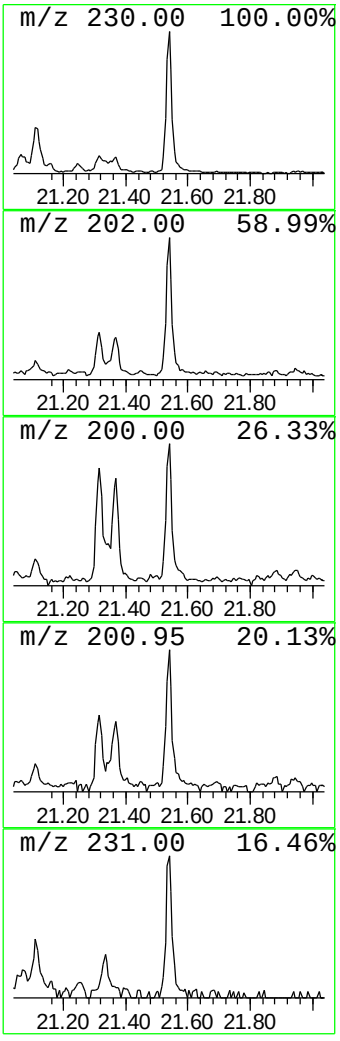
Peak Number 11 7H-Benz[de]anthracen-7-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.54	2.27 ng/ul	246512	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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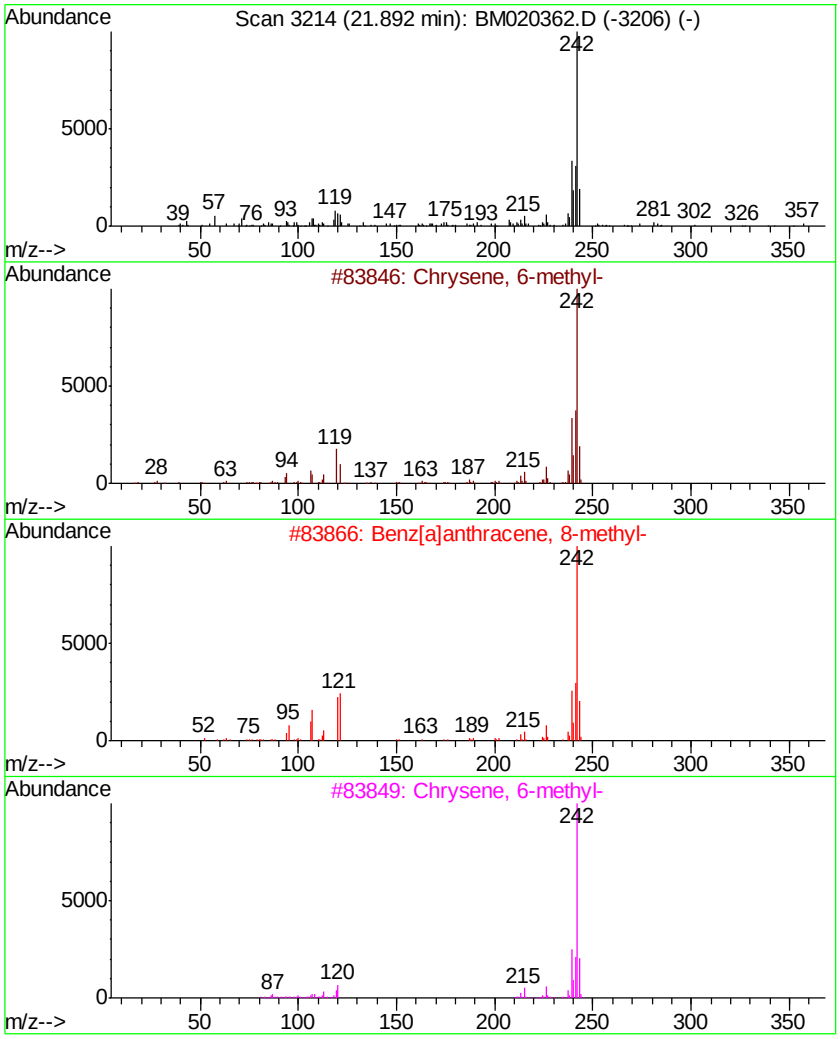
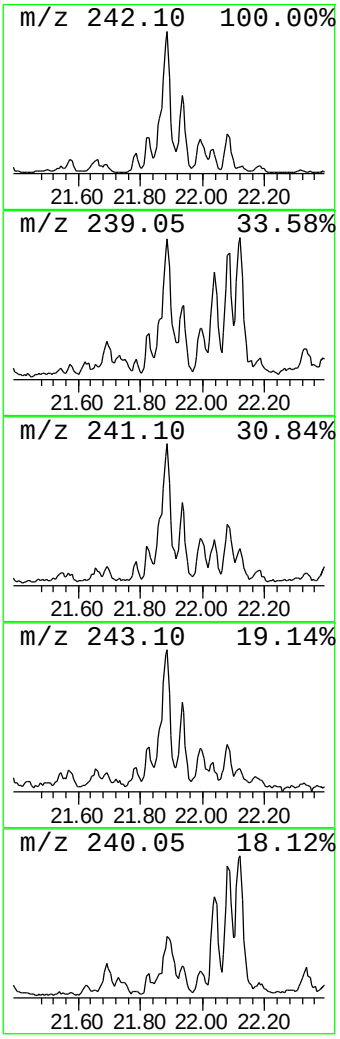
Peak Number 12 Chrysene, 6-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.89	3.51 ng/ul	380888	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 6-methyl-	242	C19H14	001705-85-7	92
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90





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Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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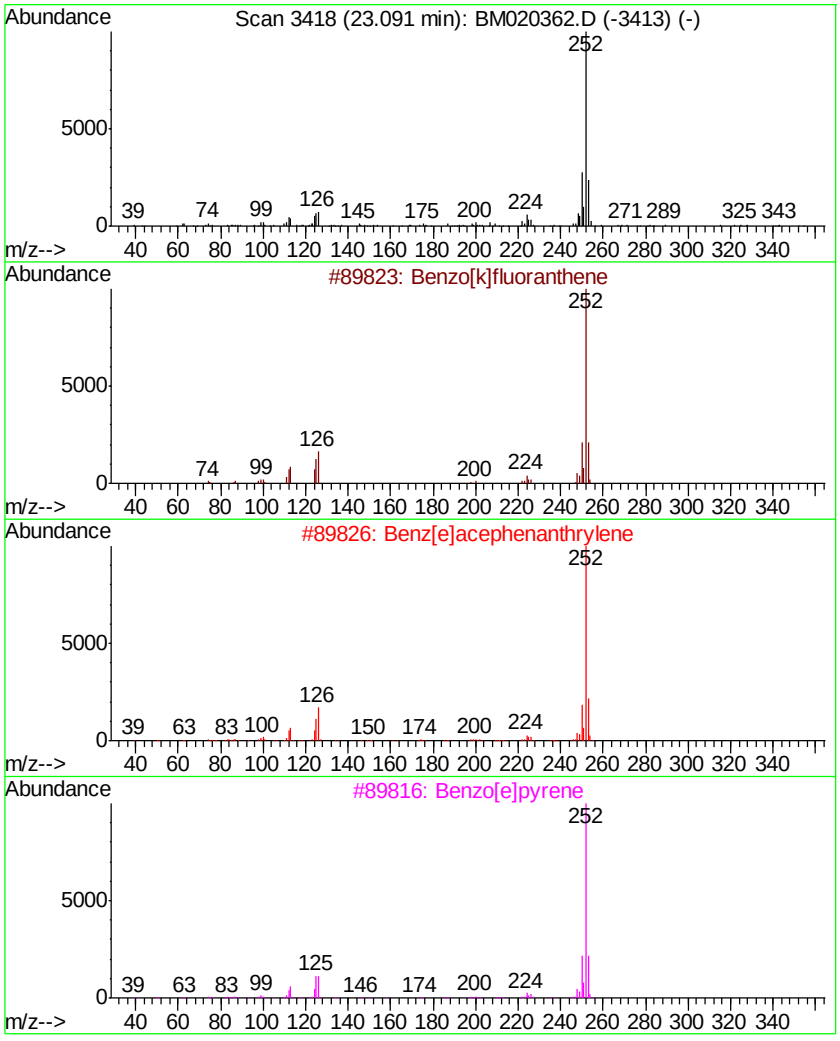
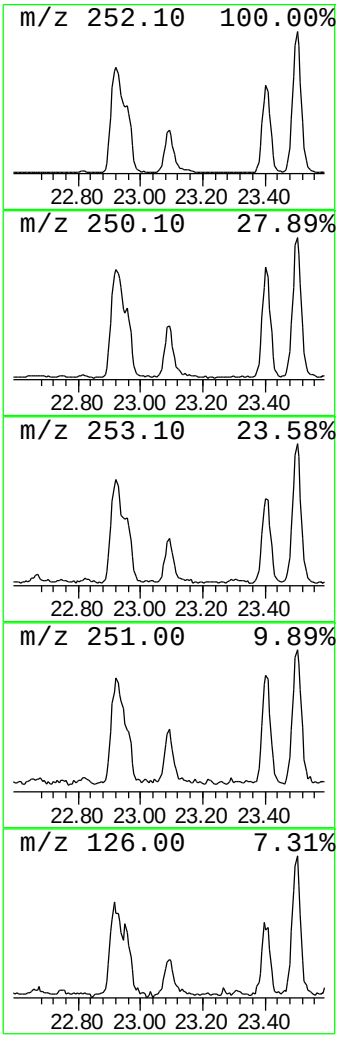
Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.09	5.57 ng/ul	239391	Perylene-d12	23.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Perylene	252	C20H12	000198-55-0	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

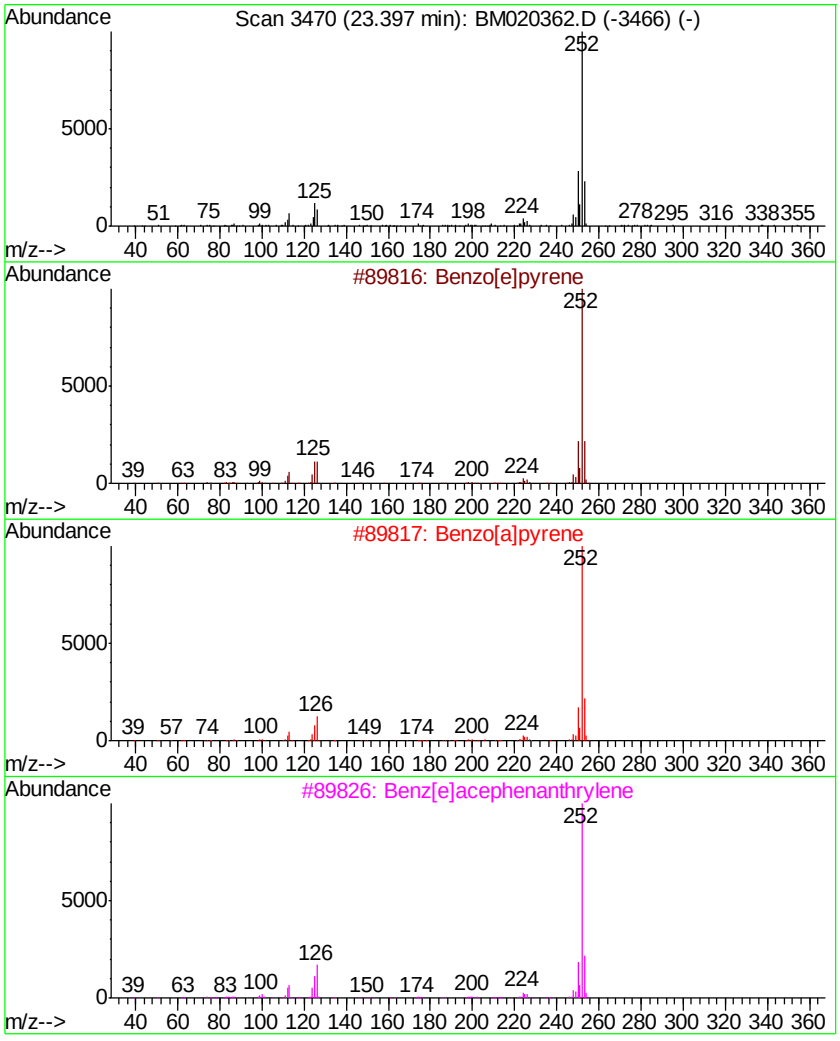
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

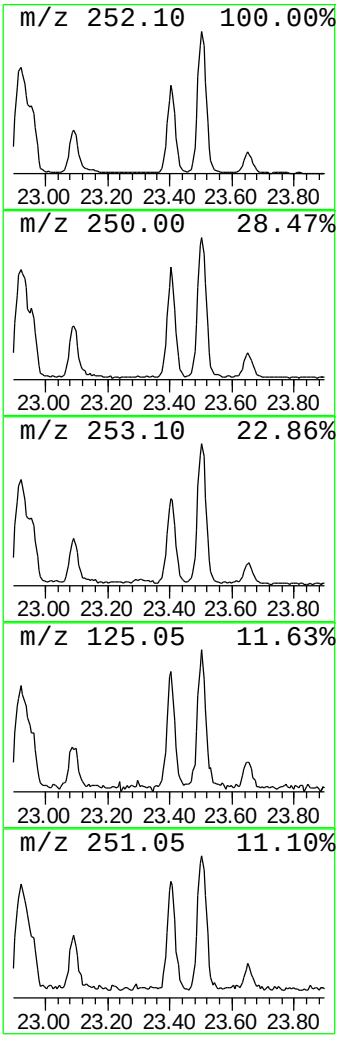
****

Peak Number 14 unknown-03 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.40	11.34 ng/ul	487106	Perylene-d12	23.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051719\
Data File : BM020362.D
Acq On : 17 May 2019 13:23
Operator : JU/SJ
Sample : K2604-19DL 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ90DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
4H-Cyclopenta[def...	18.20	6.1	ng/ul	269228	4	17.13	885814	20.0
Phenanthrene, 2,5...	18.93	4.6	ng/ul	205408	4	17.13	885814	20.0
unknown-01	18.99	3.3	ng/ul	144166	4	17.13	885814	20.0
Cyclopenta(def)ph...	19.08	7.1	ng/ul	315903	4	17.13	885814	20.0
Pyrene, 1-methyl-	19.89	2.8	ng/ul	303265	5	21.33	2170750	20.0
Fluoranthene, 2-m...	20.03	2.5	ng/ul	272208	5	21.33	2170750	20.0
11H-Benzo[b]fluorene	20.06	2.5	ng/ul	274639	5	21.33	2170750	20.0
Pyrene, 2-methyl-	20.22	2.6	ng/ul	281155	5	21.33	2170750	20.0
Pyrene, 4-methyl-	20.36	2.6	ng/ul	283828	5	21.33	2170750	20.0
unknown-02	20.40	2.8	ng/ul	306749	5	21.33	2170750	20.0
7H-Benz[de]anthra...	21.54	2.3	ng/ul	246512	5	21.33	2170750	20.0
Chrysene, 6-methyl-	21.89	3.5	ng/ul	380888	5	21.33	2170750	20.0
Benzo[e]pyrene	23.09	5.6	ng/ul	239391	6	23.60	859315	20.0
unknown-03	23.40	11.3	ng/ul	487106	6	23.60	859315	20.0