LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

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-BM121719MA.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	6.139	547	553	560	rVB	164137	247071	0.69%	0.077%
2	6.439	597	604	612	rVB	123038	195897	0.55%	0.061%
3	6.645	627	639	653	rBV	1262483	2220441	6.22%	0.692%
4	6.798	659	665	676	rBV	1019989	1659089	4.65%	0.517%
5	6.986	690	697	709	rBV	1333454	2202594	6.17%	0.687%
6	7.445	768	775	787	rBV	1909477	3063159	8.58%	0.955%
7	8.169	892	898	907	rBV	1633123	2692437	7.54%	0.839%
8	8.281	912	917	927	rVB	119664	218436	0.61%	0.068%
9	8.598	964	971	982	rBV	1260360	2154865	6.04%	0.672%
10	9.316	1086	1093	1112	rBV	1051685	1821215	5.10%	0.568%
11	9.851	1177	1184	1201	rBV	1648409	2930816	8.21%	0.914%
12	10.216	1238	1246	1253	rBV	2945114	4872101	13.65%	1.519%
13	10.369	1261	1272	1292	rBV	1148962	2294024	6.43%	0.715%
14	11.592	1474	1480	1486	rBV	230650	370624	1.04%	0.116%
15	13.427	1785	1792	1797	rBV2	212349	384876	1.08%	0.120%
16	13.533	1804	1810	1815	rVV	3062358	4300541	12.05%	1.341%
17	13.580	1815	1818	1827	rVV	645867	874667	2.45%	0.273%
18	13.798	1847	1855	1870	rBV	3822270	5784040	16.20%	1.803%
19	14.110	1899	1908	1914	rBV	4802811	6955798	19.49%	2.169%
20	14.174	1914	1919	1928	rVV	1424833	2143743	6.01%	0.668%
21	14.362	1939	1951	1958	rBV2	497815	1087164	3.05%	0.339%
22	14.515	1969	1977	1981	rVV	842578	1346729	3.77%	0.420%
23	14.557	1981	1984	1988	rVV3	159559	251464	0.70%	0.078%
24	15.109	2072	2078	2083	rBV	4904420	6809678	19.08%	2.123%
25	15.168	2083	2088	2093	rVB	2151641	2996540	8.40%	0.934%
26	15.262	2099	2104	2112	rBV2	735067	1309126	3.67%	0.408%
27	15.327	2112	2115	2121	rVV2	242509	434481	1.22%	0.135%
28	15.468	2134	2139	2149	rVB	446675	687880	1.93%	0.214%
29	15.609	2158	2163	2172	rVV	501095	1003339	2.81%	0.313%
30	16.174	2248	2259	2264	rBV2	355914	754567	2.11%	0.235%
31	16.221	2264	2267	2273	rVB	149822	208772	0.58%	0.065%
32	16.321	2278	2284	2290	rVB2	144228	269189	0.75%	0.084%
33	16.527	2315	2319	2327	rVB2	258404	401852	1.13%	0.125%
34	16.604	2327	2332	2338	rBV2	238888	464228	1.30%	0.145%

LSC Area Percent Report

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Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

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-BM121719MA.M
Title : SVOA CALIBRATION

35	16.680	2338	2345	2357	rVB	998706	1637436	4.59%	0.511%
36	16.868	2370	2377	2380	rBV	5205910	7888310	22.10%	2.459%
37	16.909	2380	2384	2389	rVV	19122516	27066744	75.83%	8.439%
38	16.962	2389	2393	2396	rVV2	5096504	7246485	20.30%	2.259%
39	16.998	2396	2399	2406	rVV	5660432	7557279	21.17%	2.356%
40	17.062	2406	2410	2416	rVB3	145729	265330	0.74%	0.083%
41	17.274	2438	2446	2451	rBV	894388	1368952	3.84%	0.427%
42	17.392	2461	2466	2471	rBV2	410164	582454	1.63%	0.182%
43	17.451	2471	2476	2485	rVB3	161564	376688	1.06%	0.117%
44	17.586	2495	2499	2505	rVB	117761	197841	0.55%	0.062%
45	17.739	2520	2525	2529	rVV	1276715	1804646	5.06%	0.563%
46	17.792	2529	2534	2541	rVV	2155053	2981521	8.35%	0.930%
47	17.868	2542	2547	2552	rVV	708945	1055474	2.96%	0.329%
48	17.933	2552	2558	2562	rVV2	3190482	5002322	14.01%	1.560%
49	17.974	2562	2565	2573	rVB	751623	1052384	2.95%	0.328%
50	18.098	2582	2586	2590	rVB4	158709	230808	0.65%	0.072%
51	18.250	2607	2612	2616	rVV	1375594	1764138	4.94%	0.550%
52	18.297	2616	2620	2625	rVB	394199	506976	1.42%	0.158%
53	18.497	2650	2654	2659	rVB	212775	279250	0.78%	0.087%
54	18.550	2659	2663	2666	rBV	232733	276000	0.77%	0.086%
55	18.592	2666	2670	2673	rVB	185711	229161	0.64%	0.071%
56	18.674	2678	2684	2687	rBV2	392404	695140	1.95%	0.217%
57	18.715	2687	2691	2693	rBV2	418143	563281	1.58%	0.176%
58	18.815	2703	2708	2717	rBV3	390375	798671	2.24%	0.249%
59	18.945	2723	2730	2735	rBV	25589141	35693471	100.00%	11.128%
60	19.039	2743	2746	2751	rVB2	313402	392863	1.10%	0.122%
61	19.180	2759	2770	2780	rBV2	743525	1576934	4.42%	0.492%
62	19.274	2780	2786	2788	rVV	8566119	12152451	34.05%	3.789%
63	19.309	2788	2792	2800	rVV	19862095	27900669	78.17%	8.699%
64	19.380	2800	2804	2811	rVB	616330	963766	2.70%	0.300%
65	19.486	2818	2822	2827	rBV	1026650	1281203	3.59%	0.399%
66	19.550	2829	2833	2838	rVB	298173	456734	1.28%	0.142%
67	19.633	2841	2847	2848	rBV2	715938	1173255	3.29%	0.366%
68	19.686	2853	2856	2860	rVB	327706	391274	1.10%	0.122%
69	19.768	2865	2870	2872	rBV3	633442	975869	2.73%	0.304%
70	19.803	2872	2876	2881	rVB	2409717	3515079	9.85%	1.096%
71	19.903	2889	2893	2897	rBV	2252854	2937376	8.23%	0.916%

LSC Area Percent Report

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Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

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-BM121719MA.M
Title : SVOA CALIBRATION

72	19.962	2897	2903	2908	rBV2	1049771	1604762	4.50%	0.500%
73	20.044	2914	2917	2922	rVB	229135	290842	0.81%	0.091%
74	20.103	2923	2927	2931	rBV	485367	603031	1.69%	0.188%
75	20.150	2931	2935	2940	rBV2	584189	887098	2.49%	0.277%
76	20.309	2959	2962	2967	rVB3	221257	250145	0.70%	0.078%
77	20.521	2994	2998	3001	rBV	285582	436769	1.22%	0.136%
78	20.562	3002	3005	3011	rVB2	379481	610350	1.71%	0.190%
79	20.721	3028	3032	3035	rBV	1062946	1326649	3.72%	0.414%
80	20.756	3035	3038	3042	rVV	1073160	1219047	3.42%	0.380%
81	20.815	3042	3048	3053	rVV3	1763682	3275168	9.18%	1.021%
82	21.068	3082	3091	3096	rBV2	10245631	20043107	56.15%	6.249%
83	21.115	3096	3099	3108	rVB	7299190	8823674	24.72%	2.751%
84	21.227	3114	3118	3122	rBV	1609195	2006652	5.62%	0.626%
85	21.344	3135	3138	3141	rVB	427135	496331	1.39%	0.155%
86	21.386	3141	3145	3150	rBV2	683090	1179634	3.30%	0.368%
87	21.615	3181	3184	3188	rVB	784176	920169	2.58%	0.287%
88	21.668	3190	3193	3200	rVB2	510991	800288	2.24%	0.250%
89	21.756	3206	3208	3212	rVV2	358199	429012	1.20%	0.134%
90	21.797	3212	3215	3218	rVV	468865	645235	1.81%	0.201%
91	21.833	3218	3221	3226	rVB2	751784	936836	2.62%	0.292%
92	22.580	3342	3348	3353	rBV	5160717	11635372	32.60%	3.628%
93	22.738	3371	3375	3381	rVB	900276	1347331	3.77%	0.420%
94	23.027	3419	3424	3428	rBV	2493956	4274805	11.98%	1.333%
95	23.074	3428	3432	3435	rVV	2974439	4781209	13.40%	1.491%
96	23.115	3435	3439	3446	rVB	4893505	8435487	23.63%	2.630%
97	23.209	3449	3455	3459	rVV	2997219	5558243	15.57%	1.733%
98	23.250	3459	3462	3470	rVB	1338216	2378042	6.66%	0.741%
99	25.309	3806	3812	3823	rVB	2158738	5339109	14.96%	1.665%
100	25.950	3915	3921	3932	rVB	1479438	3961729	11.10%	1.235%

Sum of corrected areas: 320745804

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
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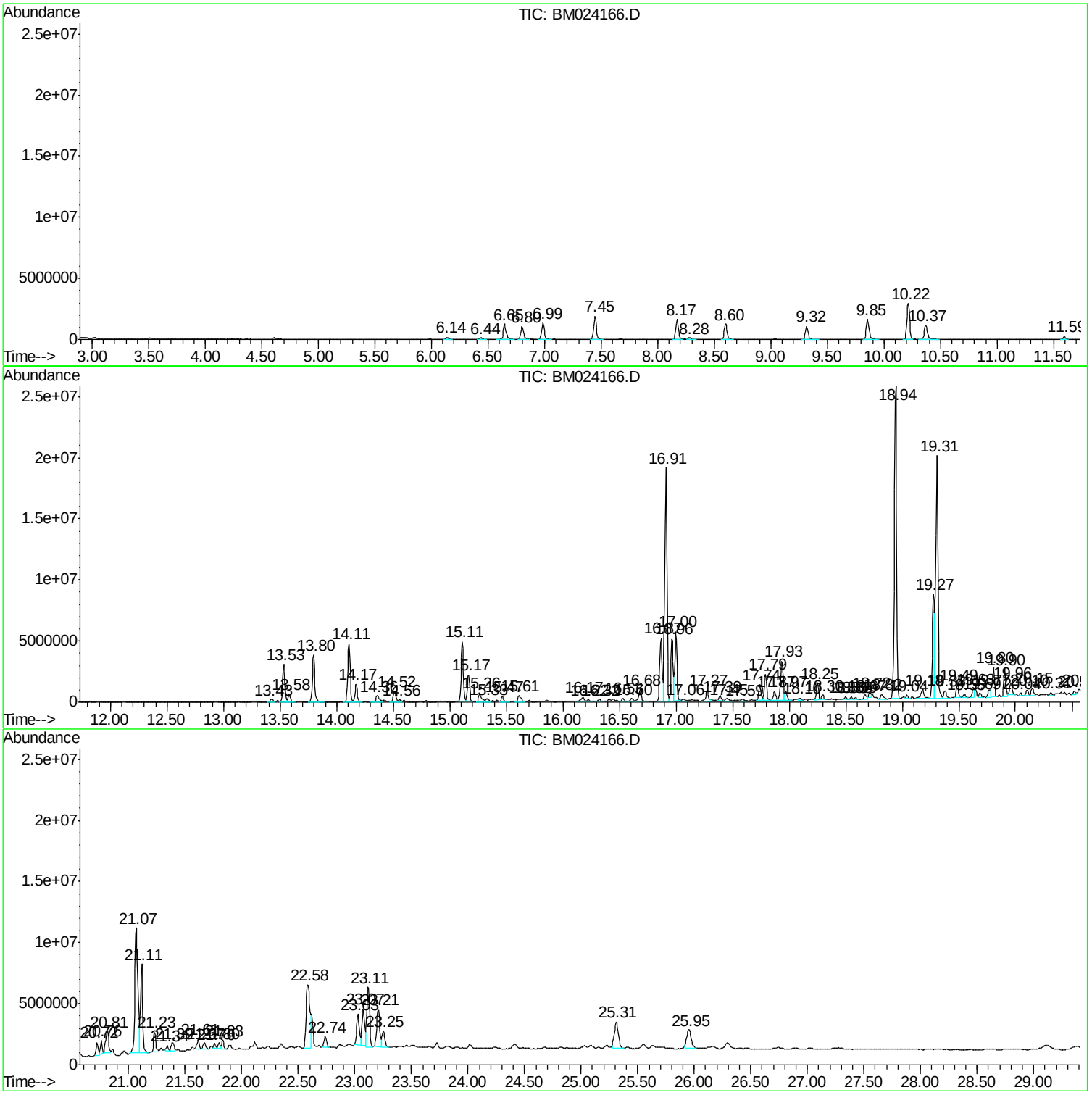
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

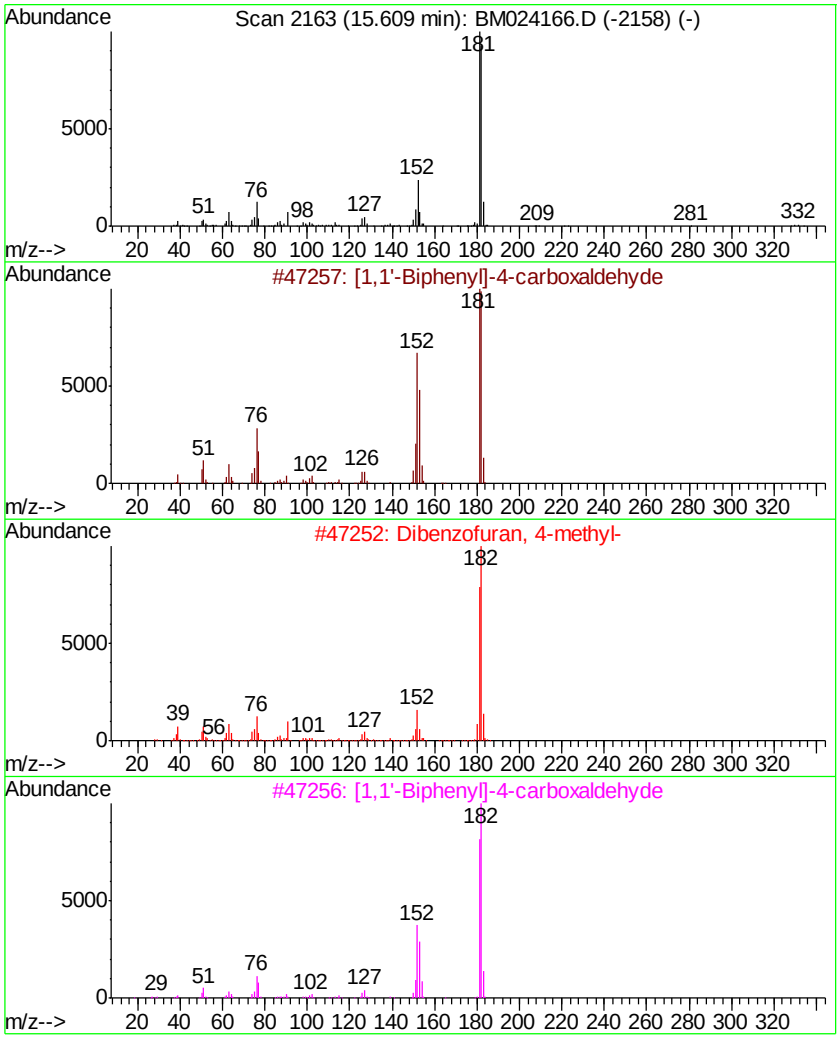
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

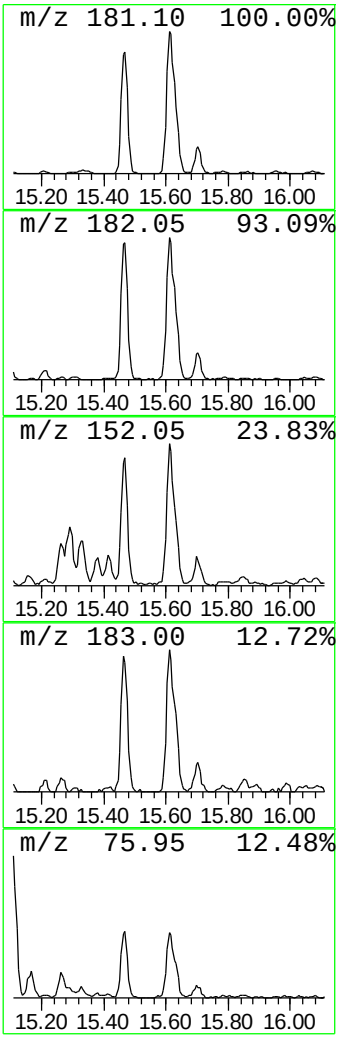
****

Peak Number 1 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	2.54 ng/ul	1003340	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

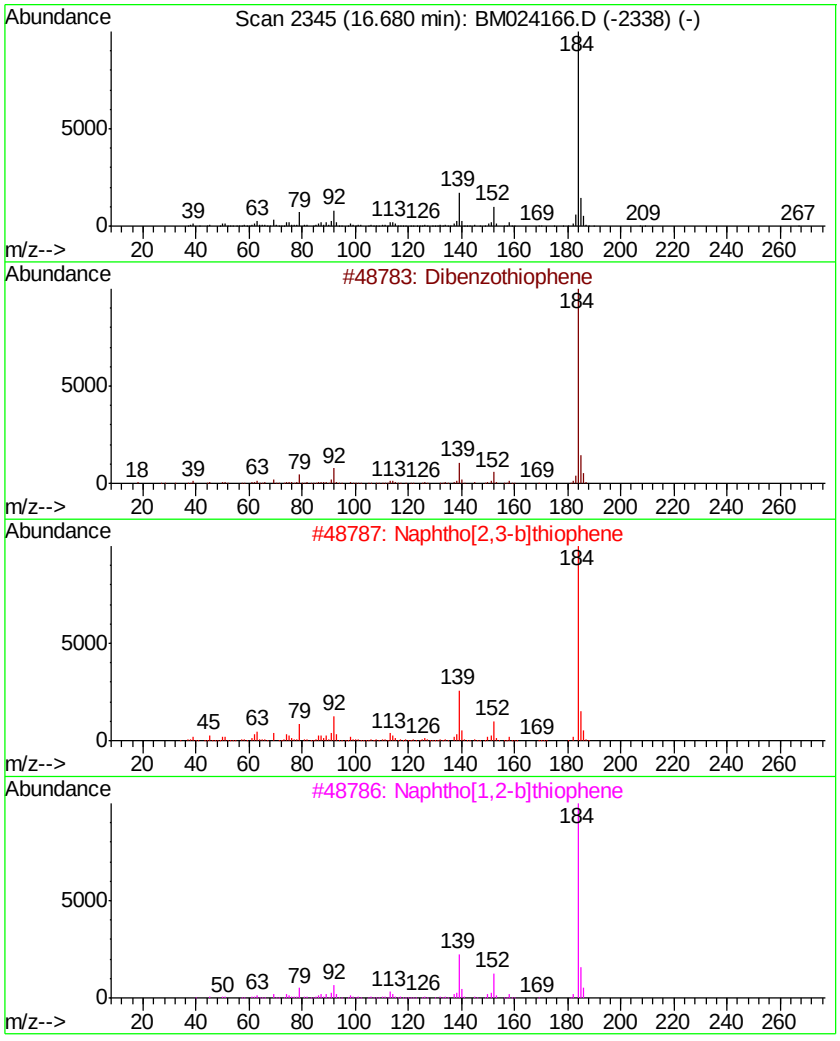
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

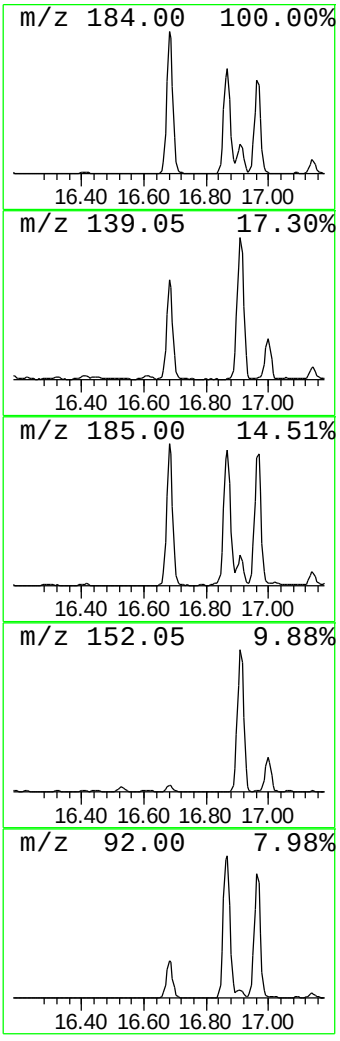
****

Peak Number 2 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	4.15 ng/ul	1637440	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
Data File : BM024166.D
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Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

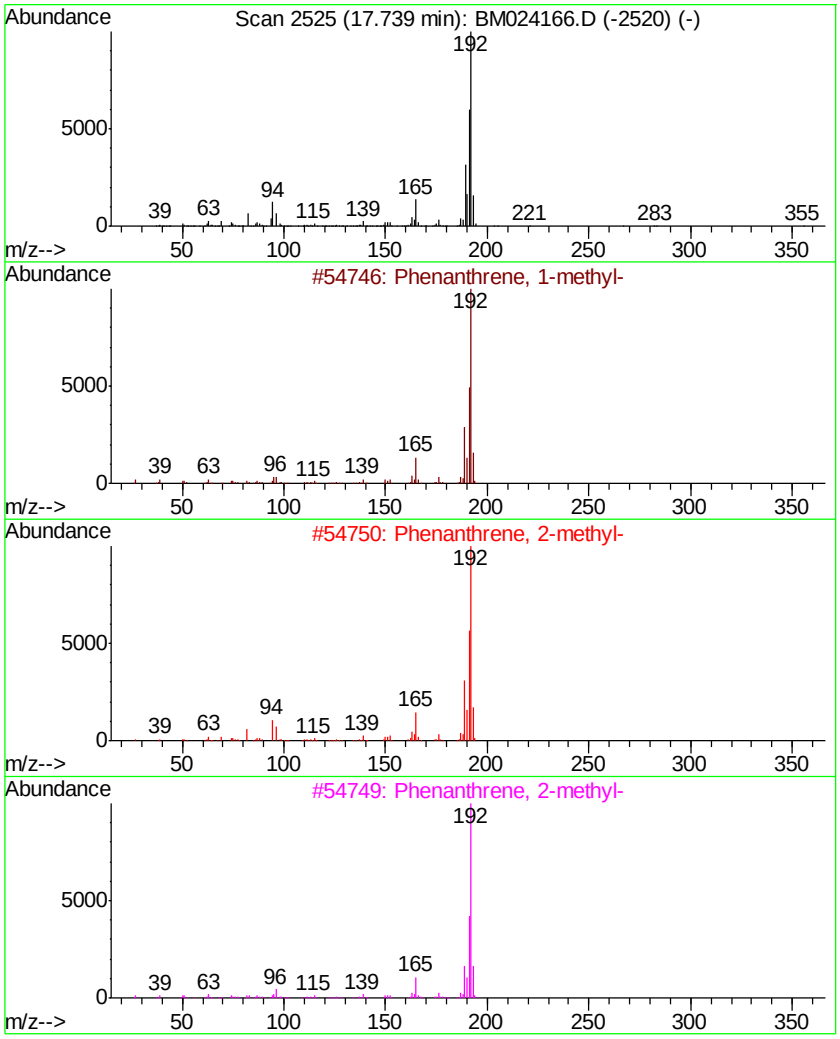
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

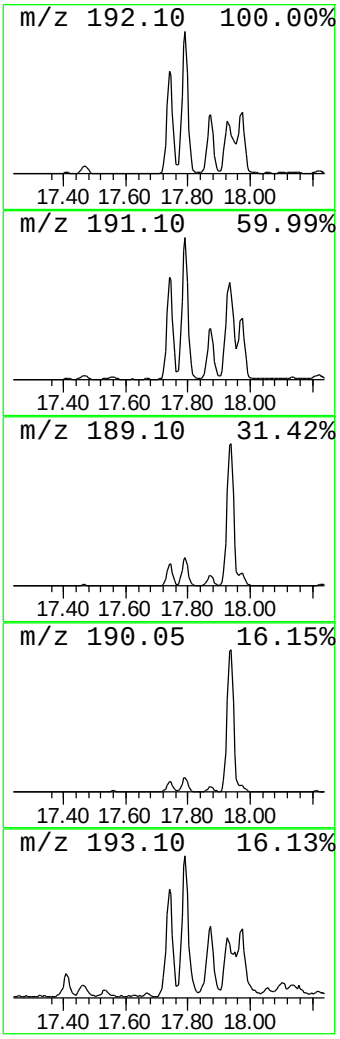
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	4.58 ng/ul	1804650	Phenanthrene-d10	16.87

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

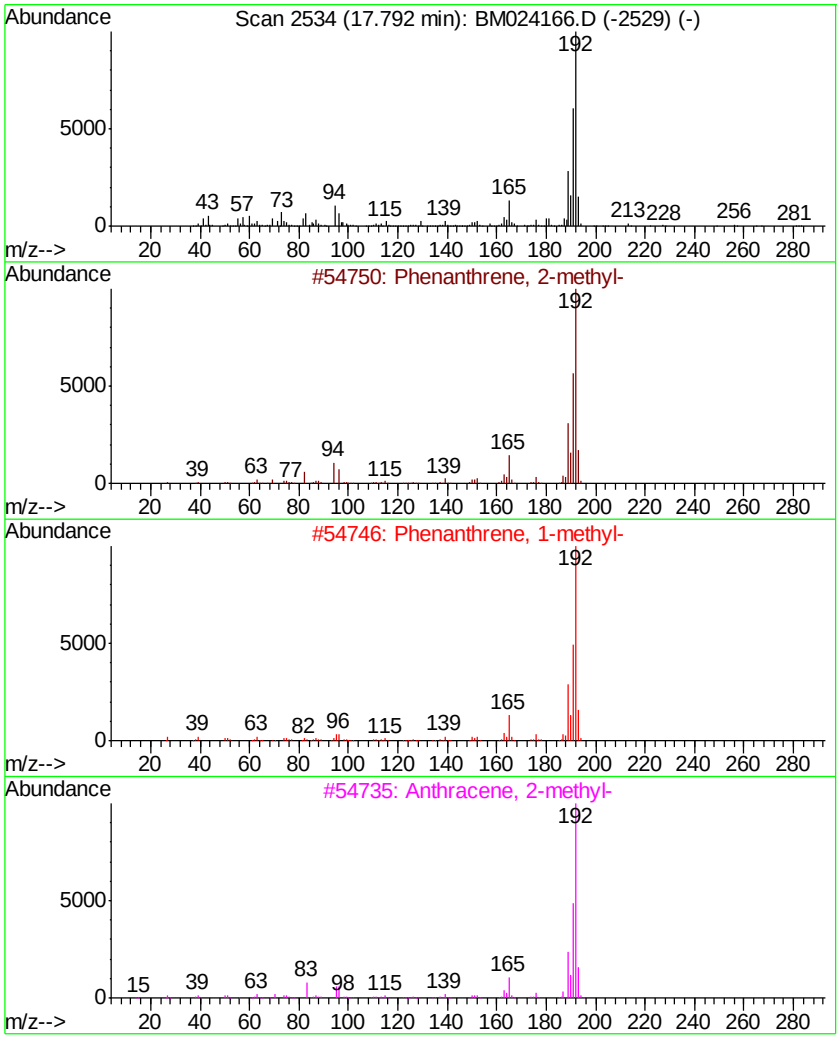
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

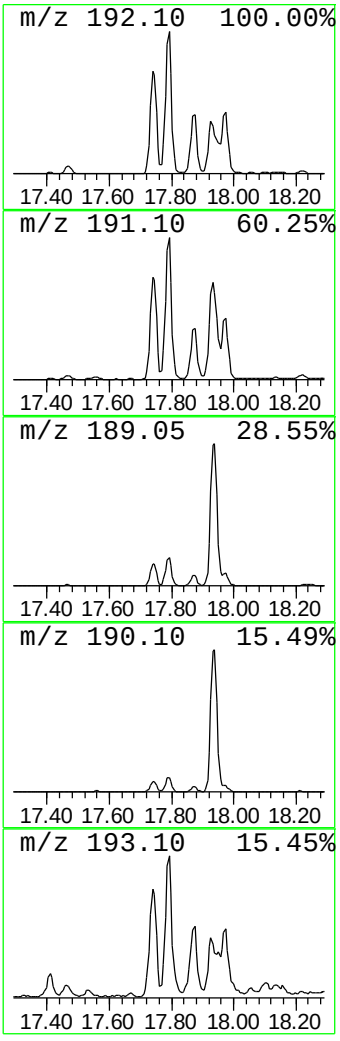
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	7.56 ng/ul	2981520	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121719\
Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

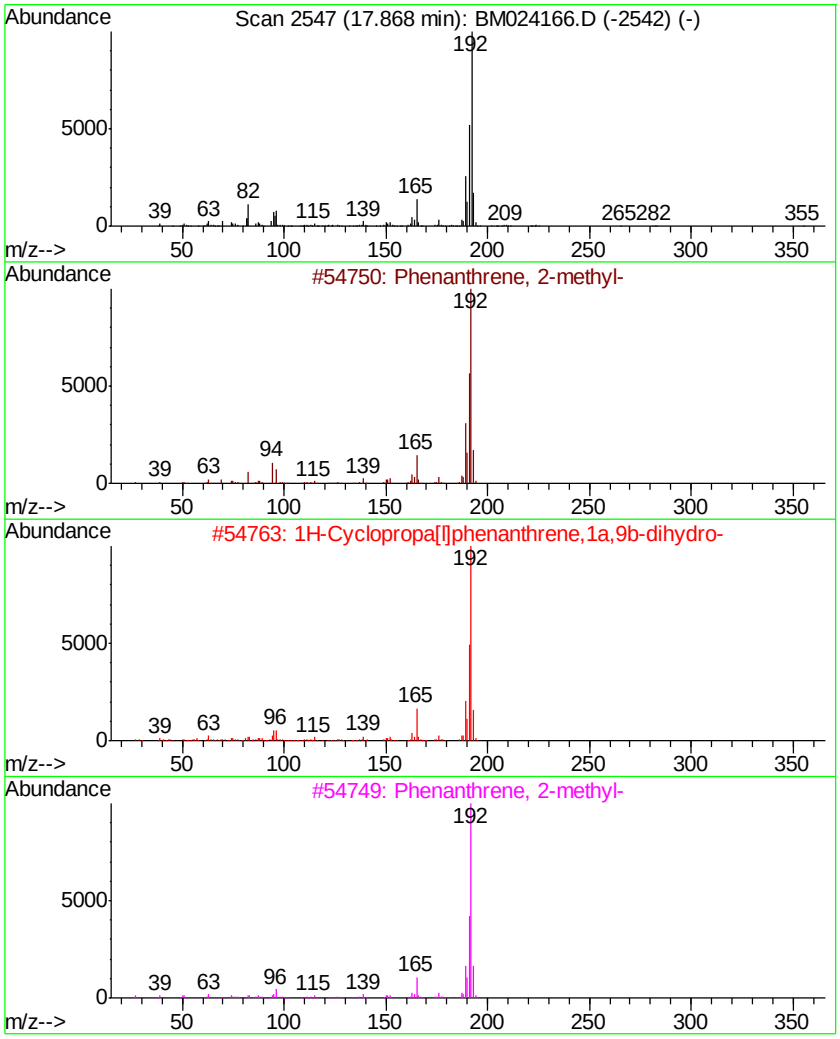
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

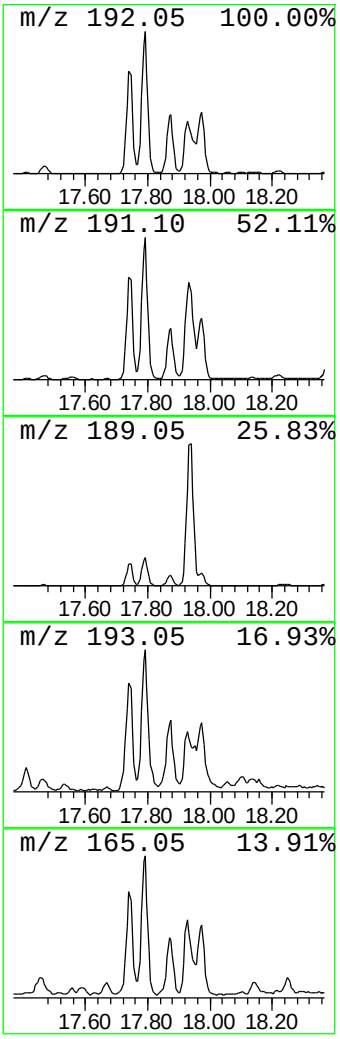
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	2.68 ng/ul	1055470	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

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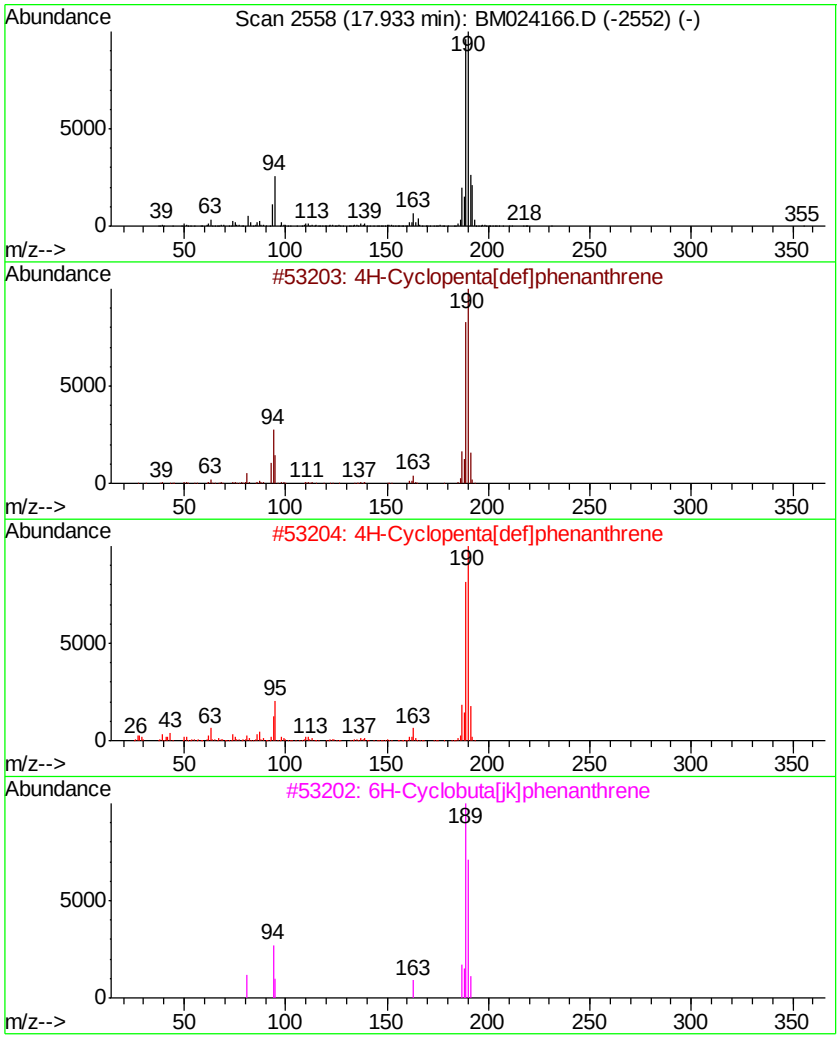
Quant Title : SVOA CALIBRATION

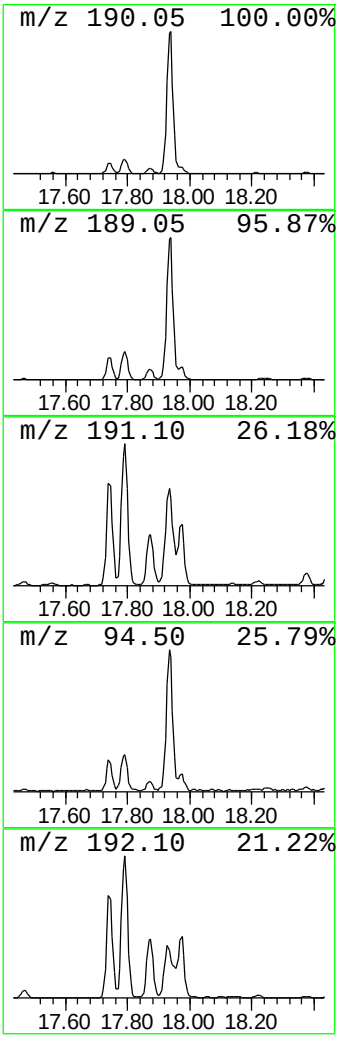
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	12.68 ng/ul	5002320	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

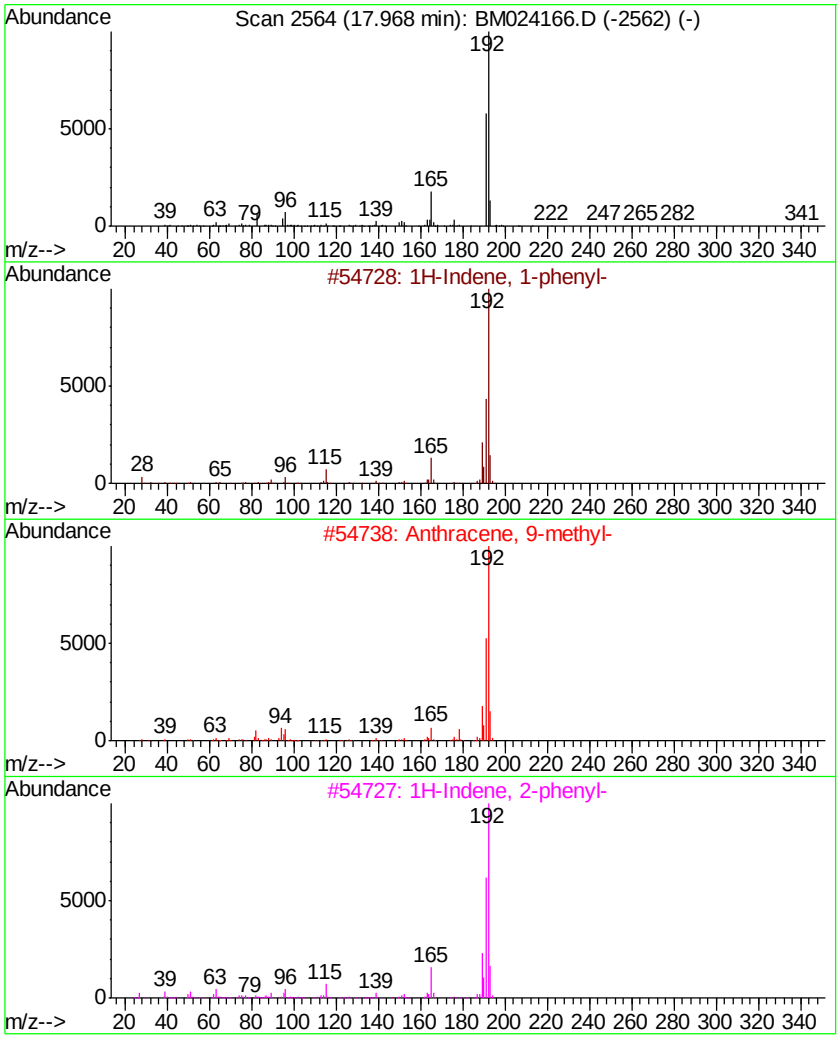
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

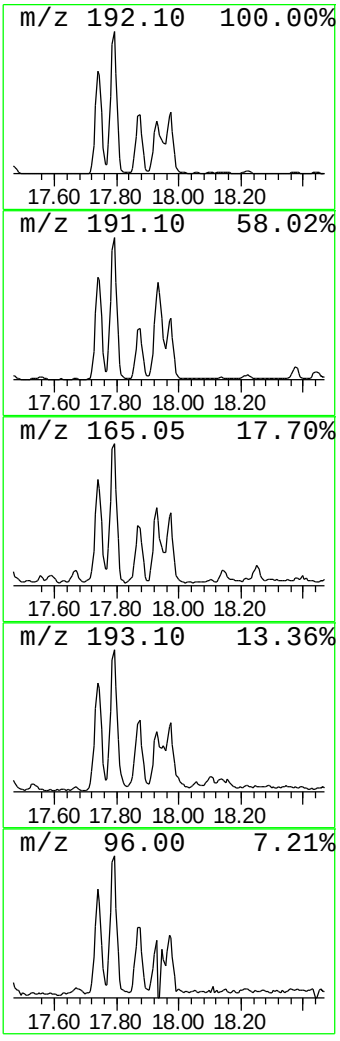
****

Peak Number 7 1H-Indene, 1-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	2.67 ng/ul	1052380	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Library Search Compound Report

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Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
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Sample : K6171-09
Misc :
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Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

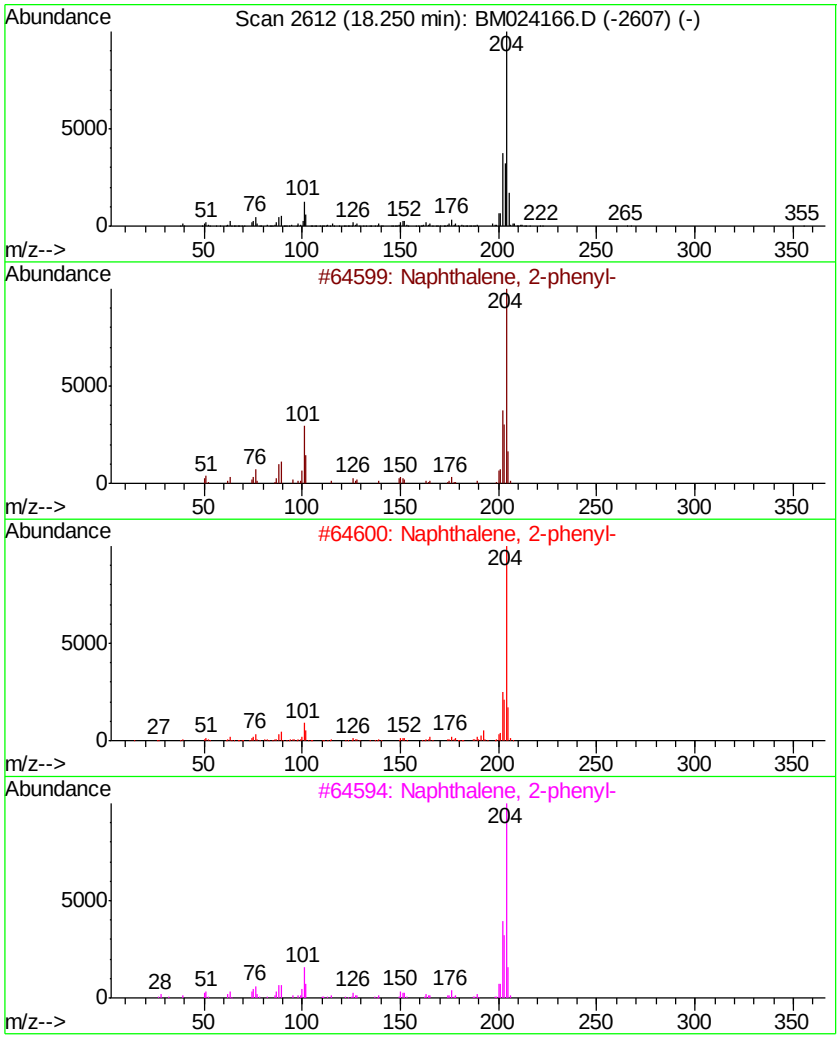
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

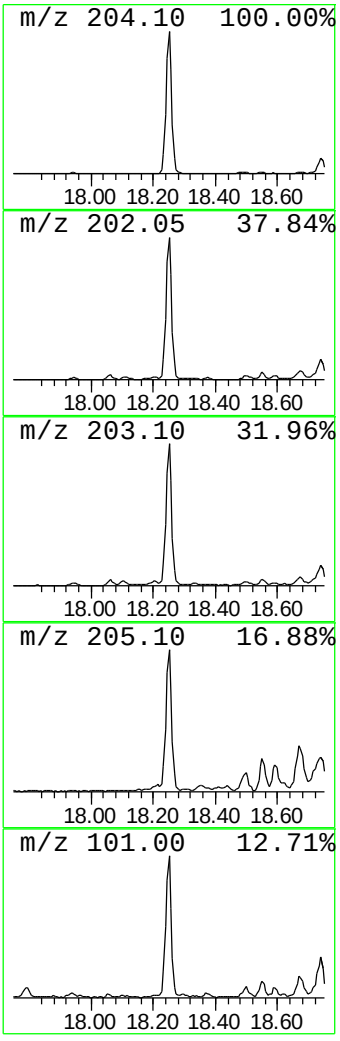
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	4.47 ng/ul	1764140	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





Library Search Compound Report

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Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

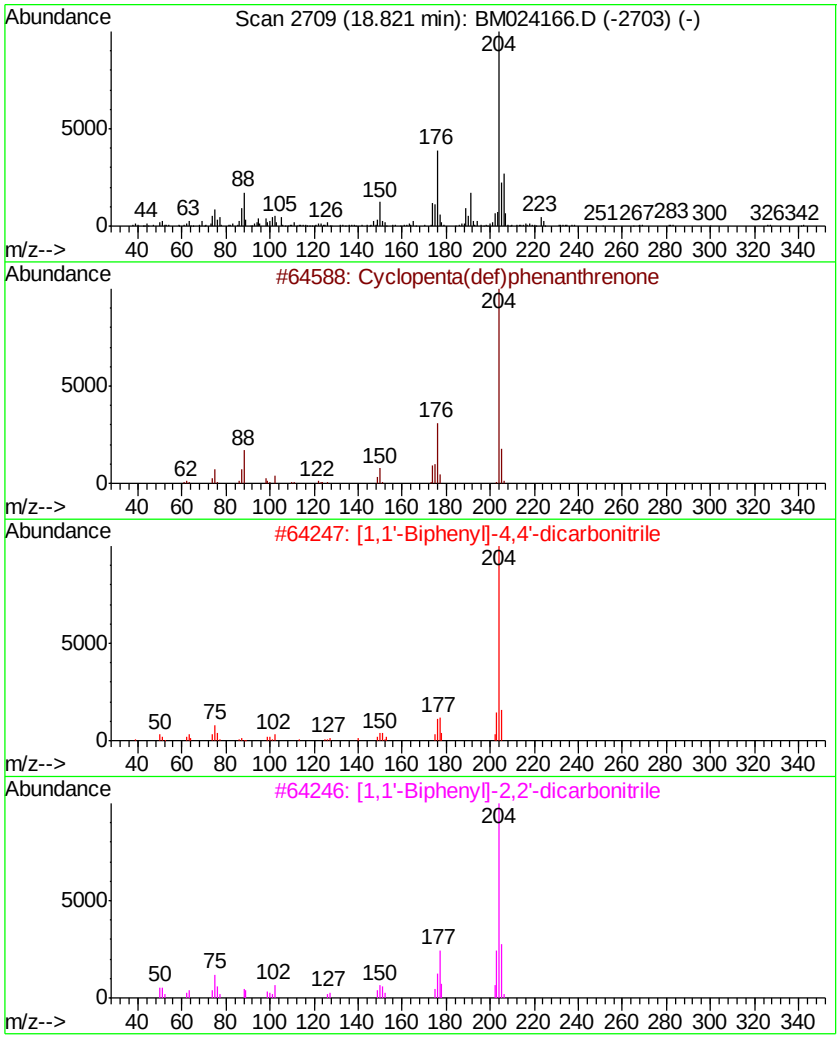
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

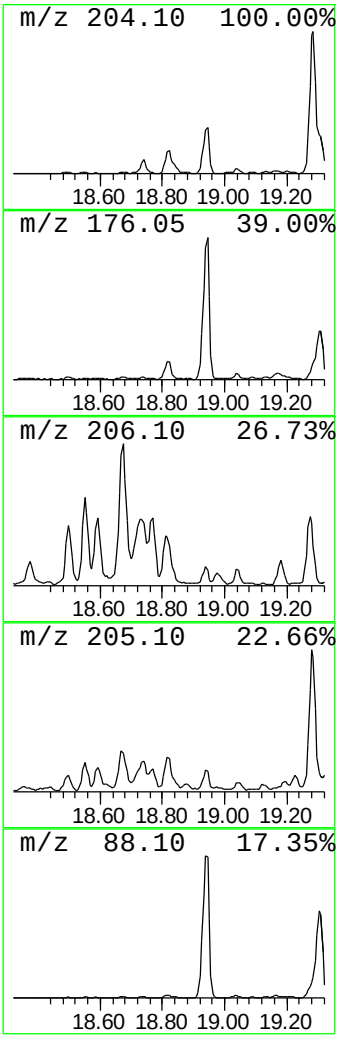
****

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	2.02 ng/ul	798671	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38





Library Search Compound Report

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Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

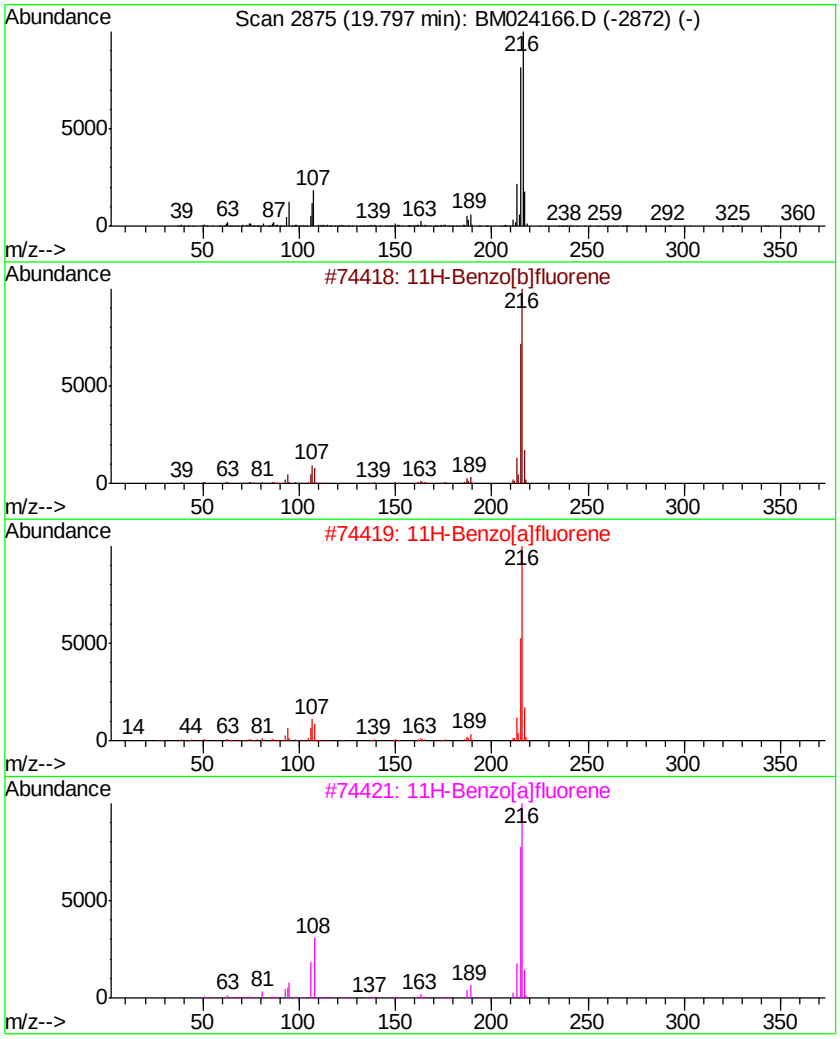
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

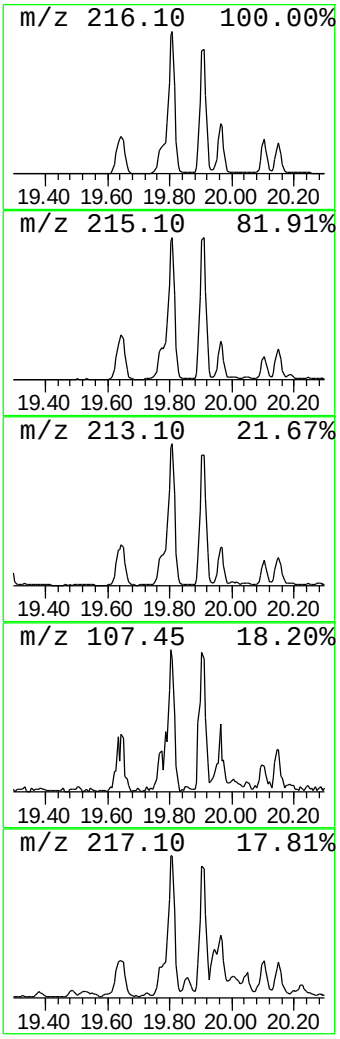
****

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	3.51 ng/ul	3515080	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

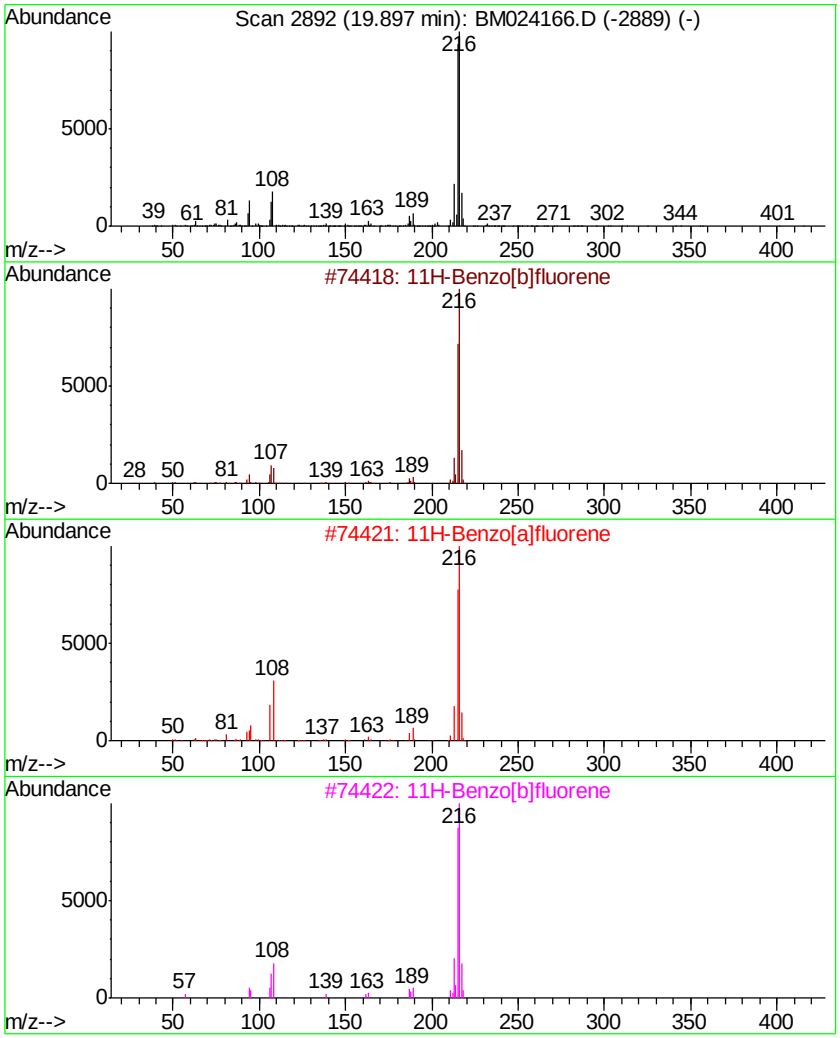
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

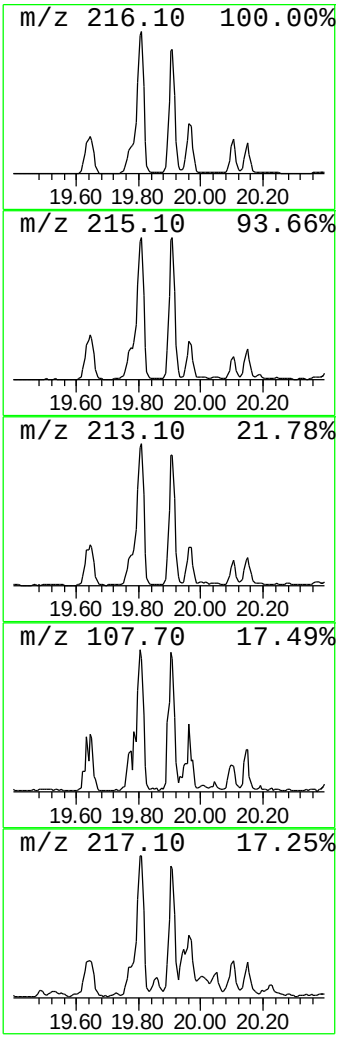
****

Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	2.93 ng/ul	2937380	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Library Search Compound Report

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Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

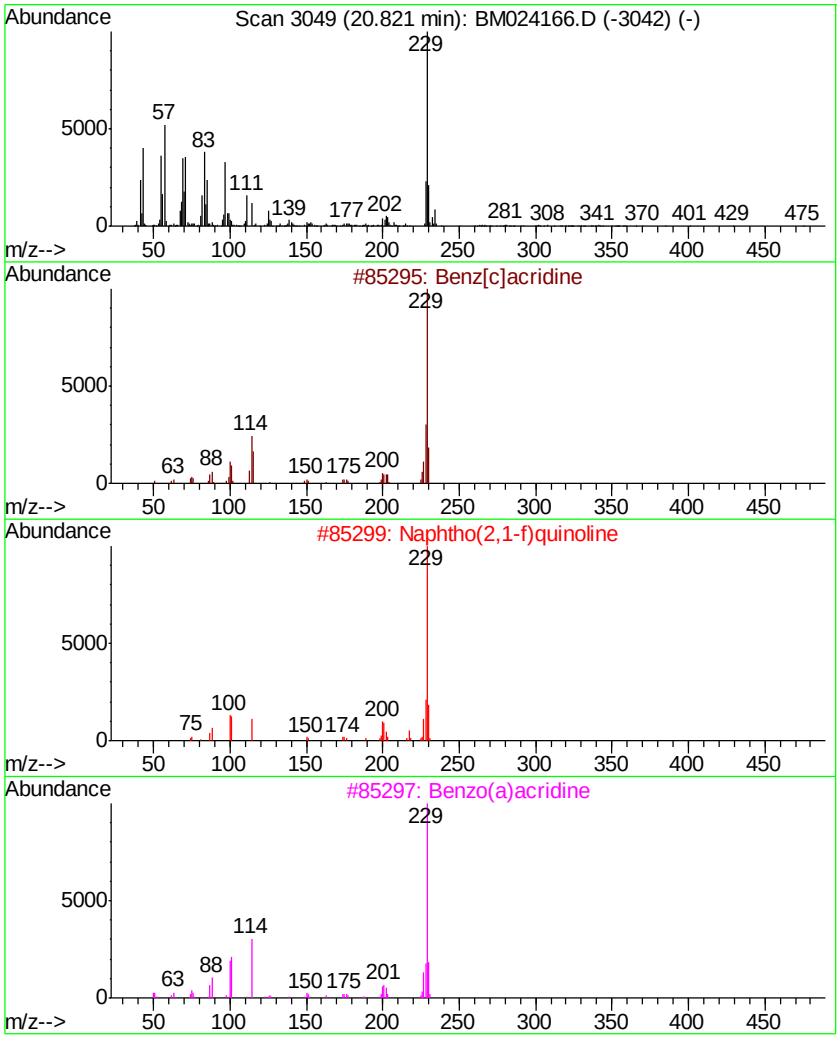
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

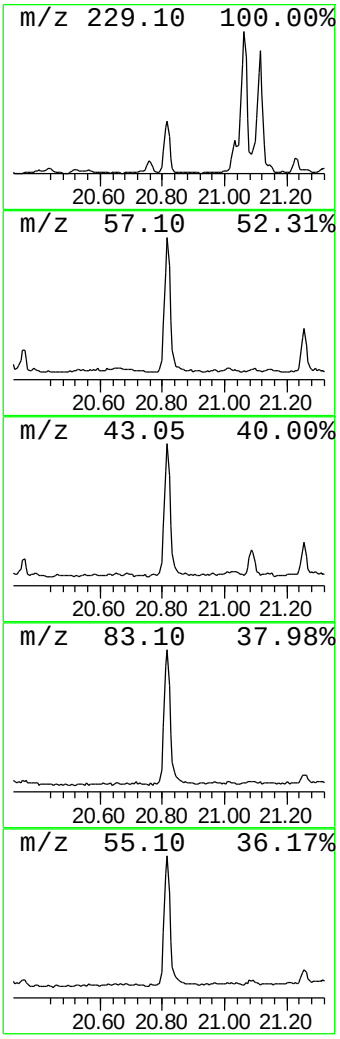
****

Peak Number 12 Benz[c]acridine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	3.27 ng/ul	3275170	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	70
2	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	47
3	Benzo(a)acridine	229	C17H11N	000225-11-6	45
4	Benzo(a)acridine	229	C17H11N	000225-11-6	43
5	4H-1-Benzopyran-4-one, 3-(1-pipe...	229	C14H15NO2	040302-79-2	42





Library Search Compound Report

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Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

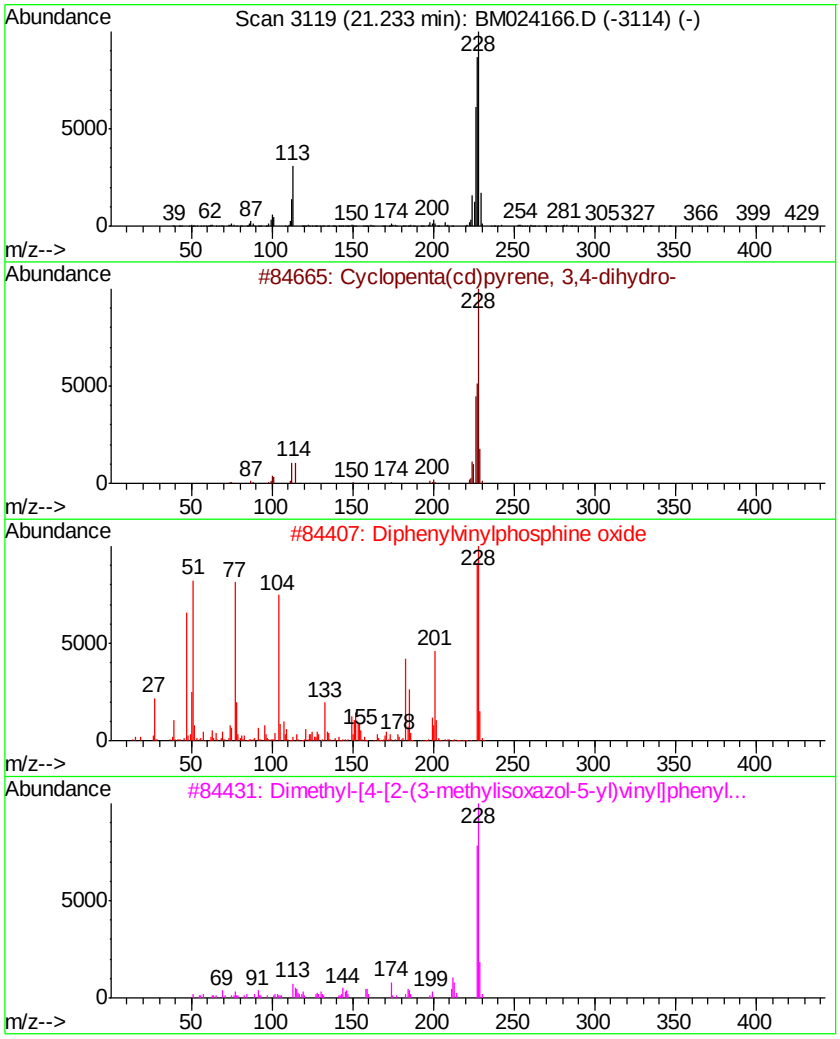
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

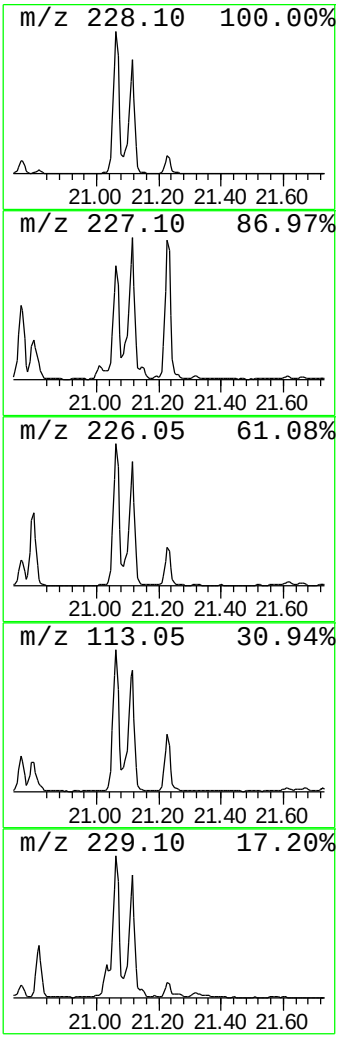
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.23	2.00 ng/ul	2006650	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	40
5	Triphenylene	228	C18H12	000217-59-4	38





Library Search Compound Report

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Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION

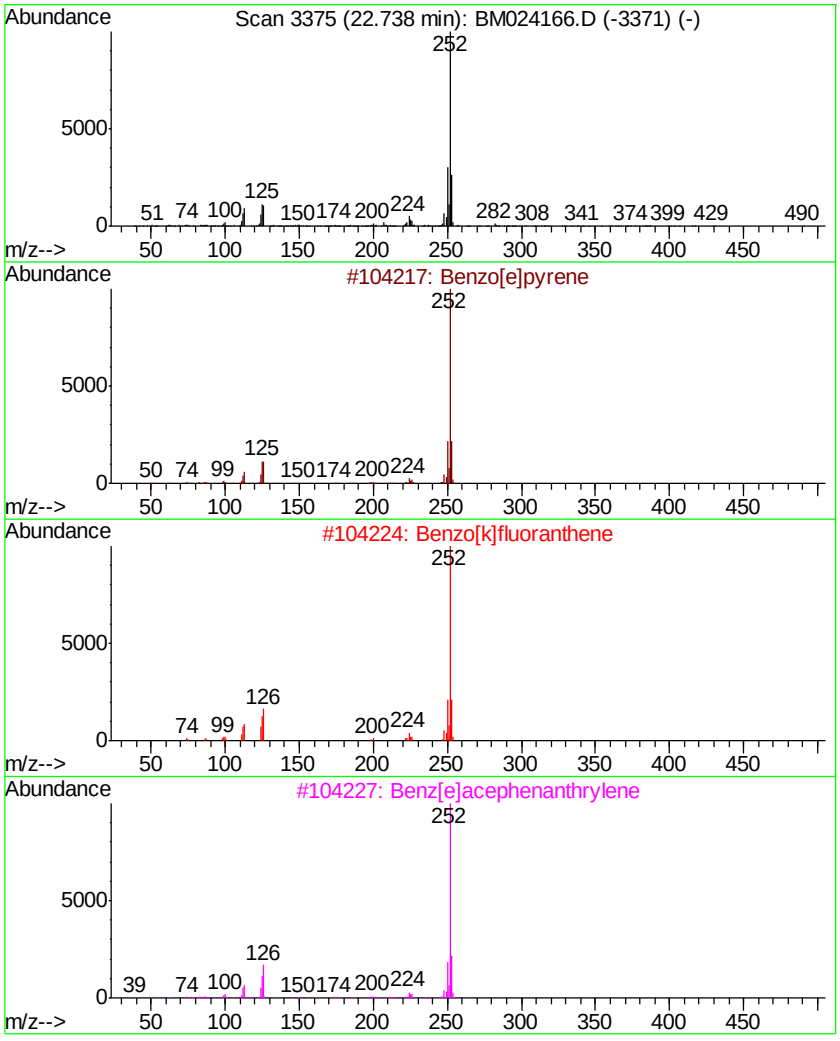
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

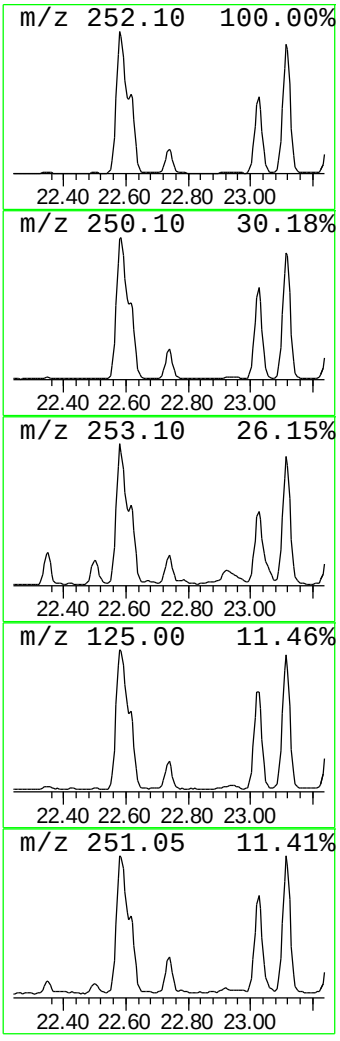
****

Peak Number 14 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.74	4.85 ng/ul	1347330	Perylene-d12	23.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Perylene	252	C20H12	000198-55-0	93
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

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Data File : BM024166.D
Acq On : 18 Dec 2019 23:23
Operator : JU
Sample : K6171-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BT1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.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
[1,1'-Biphenyl]-4...	15.61	2.5	ng/ul	1003340	4	16.87	7888310	20.0
Dibenzothiophene	16.68	4.2	ng/ul	1637440	4	16.87	7888310	20.0
Phenanthrene, 1-m...	17.74	4.6	ng/ul	1804650	4	16.87	7888310	20.0
Phenanthrene, 2-m...	17.79	7.6	ng/ul	2981520	4	16.87	7888310	20.0
1H-Cyclopropa[l]p...	17.87	2.7	ng/ul	1055470	4	16.87	7888310	20.0
4H-Cyclopenta[def...	17.93	12.7	ng/ul	5002320	4	16.87	7888310	20.0
1H-Indene, 1-phenyl-	17.97	2.7	ng/ul	1052380	4	16.87	7888310	20.0
Naphthalene, 2-ph...	18.25	4.5	ng/ul	1764140	4	16.87	7888310	20.0
Cyclopenta(def)ph...	18.82	2.0	ng/ul	798671	4	16.87	7888310	20.0
11H-Benzo[b]fluorene	19.80	3.5	ng/ul	3515080	5	21.08	20043100	20.0
11H-Benzo[a]fluorene	19.90	2.9	ng/ul	2937380	5	21.08	20043100	20.0
Benz[c]acridine	20.82	3.3	ng/ul	3275170	5	21.08	20043100	20.0
Cyclopenta(cd)pyr...	21.23	2.0	ng/ul	2006650	5	21.08	20043100	20.0
Benzo[e]pyrene	22.74	4.8	ng/ul	1347330	6	23.21	5558240	20.0