LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

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-BM080720MA.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	6.822	643	652	662	rBV	293215	502085	7.53%	0.557%
2	6.981	672	679	687	rBV	237303	364757	5.47%	0.404%
3	7.181	702	713	722	rVB	305499	487890	7.32%	0.541%
4	7.640	784	791	800	rBV	469822	730478	10.96%	0.810%
5	8.345	904	911	918	rBV	356037	562130	8.43%	0.623%
6	8.781	975	985	995	rBV	290972	471942	7.08%	0.523%
7	9.498	1100	1107	1115	rBV	231345	378780	5.68%	0.420%
8	10.039	1190	1199	1207	rBV	386937	642359	9.63%	0.712%
9	10.410	1255	1262	1268	rBV	589580	984956	14.77%	1.092%
10	10.457	1268	1270	1277	rVB	57705	86077	1.29%	0.095%
11	10.545	1277	1285	1301	rBV	266252	483931	7.26%	0.537%
12	13.598	1795	1804	1809	rVV	44812	81570	1.22%	0.090%
13	13.686	1815	1819	1824	rVV	687707	948681	14.23%	1.052%
14	13.733	1824	1827	1835	rVV2	118344	170746	2.56%	0.189%
15	13.963	1860	1866	1869	rBV	759126	1115999	16.74%	1.237%
16	14.274	1912	1919	1925	rVV	877189	1309669	19.64%	1.452%
17	14.339	1925	1930	1938	rVV	63448	103457	1.55%	0.115%
18	14.469	1947	1952	1964	rBV	256839	424214	6.36%	0.470%
19	14.674	1982	1987	1997	rVV2	82661	148754	2.23%	0.165%
20	15.269	2082	2088	2093	rVV	985373	1345190	20.17%	1.491%
21	15.321	2093	2097	2103	rVV2	108398	162451	2.44%	0.180%
22	15.386	2103	2108	2116	rVB	187672	260783	3.91%	0.289%
23	15.621	2143	2148	2152	rBV	63945	93446	1.40%	0.104%
24	15.768	2166	2173	2180	rVB3	64225	149062	2.24%	0.165%
25	15.998	2205	2212	2218	rBV5	36168	85303	1.28%	0.095%
26	16.327	2258	2268	2274	rBV5	44145	129663	1.94%	0.144%
27	16.563	2304	2308	2311	rBV2	62107	87390	1.31%	0.097%
28	16.604	2311	2315	2318	rVV3	64029	87097	1.31%	0.097%
29	16.674	2322	2327	2336	rVB	117917	207992	3.12%	0.231%
30	16.757	2336	2341	2347	rBV3	63717	135234	2.03%	0.150%
31	16.833	2347	2354	2358	rBV	65093	111207	1.67%	0.123%
32	17.015	2379	2385	2389	rBV	1028364	1509296	22.64%	1.673%
33	17.063	2389	2393	2397	rVV	1663126	2297890	34.46%	2.548%
34	17.115	2397	2402	2405	rVV2	1018436	1432141	21.48%	1.588%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

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-BM080720MA.M
Title : SVOA CALIBRATION

35	17.151	2405	2408	2413	rVV	383080	509582	7.64%	0.565%
36	17.210	2413	2418	2424	rVB5	86607	159554	2.39%	0.177%
37	17.415	2444	2453	2458	rBV2	121251	251136	3.77%	0.278%
38	17.545	2471	2475	2479	rVV	81449	117499	1.76%	0.130%
39	17.598	2480	2484	2490	rVB3	68635	97925	1.47%	0.109%
40	17.892	2525	2534	2538	rBV	316428	495434	7.43%	0.549%
41	17.939	2538	2542	2550	rVB	629486	868556	13.03%	0.963%
42	18.021	2551	2556	2561	rBV	181284	258686	3.88%	0.287%
43	18.086	2561	2567	2571	rBV2	497194	873999	13.11%	0.969%
44	18.127	2571	2574	2581	rVB	236368	320963	4.81%	0.356%
45	18.245	2590	2594	2600	rVV6	55231	127158	1.91%	0.141%
46	18.398	2616	2620	2623	rVV	310984	406597	6.10%	0.451%
47	18.433	2623	2626	2633	rVB	334728	449346	6.74%	0.498%
48	18.651	2659	2663	2667	rVB	90144	106020	1.59%	0.118%
49	18.698	2668	2671	2674	rBV	94964	112901	1.69%	0.125%
50	18.739	2674	2678	2682	rVB	111998	146413	2.20%	0.162%
51	18.815	2682	2691	2696	rBV2	330026	650269	9.75%	0.721%
52	18.886	2697	2703	2706	rBV3	143968	237591	3.56%	0.263%
53	18.956	2711	2715	2724	rVB2	414189	649134	9.74%	0.720%
54	19.086	2731	2737	2742	rVB	4714099	6190782	92.84%	6.864%
55	19.180	2751	2753	2757	rVB4	81822	100003	1.50%	0.111%
56	19.233	2757	2762	2766	rVB	419452	567738	8.51%	0.629%
57	19.280	2766	2770	2773	rBV2	103692	159595	2.39%	0.177%
58	19.321	2775	2777	2781	rVB	63597	73011	1.09%	0.081%
59	19.415	2788	2793	2795	rBV2	1825033	2506216	37.59%	2.779%
60	19.445	2795	2798	2806	rVV	4642727	6409960	96.13%	7.107%
61	19.521	2807	2811	2818	rVB3	203500	378430	5.68%	0.420%
62	19.627	2825	2829	2835	rBV	246082	366501	5.50%	0.406%
63	19.686	2835	2839	2845	rVB	270666	410019	6.15%	0.455%
64	19.762	2847	2852	2860	rBV4	539381	1299898	19.49%	1.441%
65	19.821	2860	2862	2866	rVB	147129	154360	2.31%	0.171%
66	19.868	2867	2870	2872	rBV3	51920	77523	1.16%	0.086%
67	19.909	2873	2877	2879	rBV2	301697	445081	6.67%	0.493%
68	19.945	2880	2883	2887	rVB	643051	803157	12.05%	0.890%
69	19.998	2888	2892	2895	rBV3	76549	119570	1.79%	0.133%
70	20.045	2896	2900	2904	rBV	348083	437362	6.56%	0.485%
71	20.103	2904	2910	2915	rBV2	568823	892122	13.38%	0.989%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

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-BM080720MA.M
Title : SVOA CALIBRATION

72	20.203	2921	2927	2930	rBV2	276754	433496	6.50%	0.481%
73	20.245	2930	2934	2937	rVV	281089	368199	5.52%	0.408%
74	20.286	2937	2941	2946	rVV2	276096	420105	6.30%	0.466%
75	20.503	2975	2978	2981	rBV3	119100	184524	2.77%	0.205%
76	20.615	2994	2997	3000	rBV4	75917	76630	1.15%	0.085%
77	20.692	3007	3010	3017	rVB	460355	702958	10.54%	0.779%
78	20.862	3033	3039	3042	rBV2	314008	611119	9.17%	0.678%
79	20.898	3042	3045	3048	rVV2	460288	574000	8.61%	0.636%
80	20.950	3048	3054	3057	rVV2	716626	1315001	19.72%	1.458%
81	20.992	3057	3061	3069	rVB2	519345	792851	11.89%	0.879%
82	21.168	3088	3091	3092	rBV	208316	207504	3.11%	0.230%
83	21.203	3092	3097	3102	rVV2	3838674	6667950	100.00%	7.393%
84	21.250	3102	3105	3113	rVB	2486299	3464217	51.95%	3.841%
85	21.368	3122	3125	3130	rBV	338530	597726	8.96%	0.663%
86	21.415	3130	3133	3139	rVB	358746	481124	7.22%	0.533%
87	21.521	3147	3151	3157	rBV2	348747	585538	8.78%	0.649%
88	21.709	3180	3183	3185	rBV	139292	150078	2.25%	0.166%
89	21.762	3186	3192	3196	rVV	591092	913156	13.69%	1.012%
90	21.815	3197	3201	3208	rVV4	350430	624343	9.36%	0.692%
91	21.956	3221	3225	3227	rBV	271390	347746	5.22%	0.386%
92	22.768	3356	3363	3368	rBV	2581568	6351138	95.25%	7.042%
93	22.933	3386	3391	3397	rVB	604301	1020912	15.31%	1.132%
94	23.233	3436	3442	3446	rBV	1299856	2520973	37.81%	2.795%
95	23.280	3446	3450	3453	rVV	750238	1340605	20.11%	1.486%
96	23.321	3453	3457	3465	rVB	2332860	4185363	62.77%	4.640%
97	23.415	3468	3473	3478	rVV	868025	1712253	25.68%	1.898%
98	23.462	3478	3481	3490	rVB2	622947	1231750	18.47%	1.366%
99	25.621	3840	3848	3857	rVB	1257308	3503399	52.54%	3.884%
100	26.291	3954	3962	3978	rVB	833294	2488263	37.32%	2.759%

Sum of corrected areas: 90195632

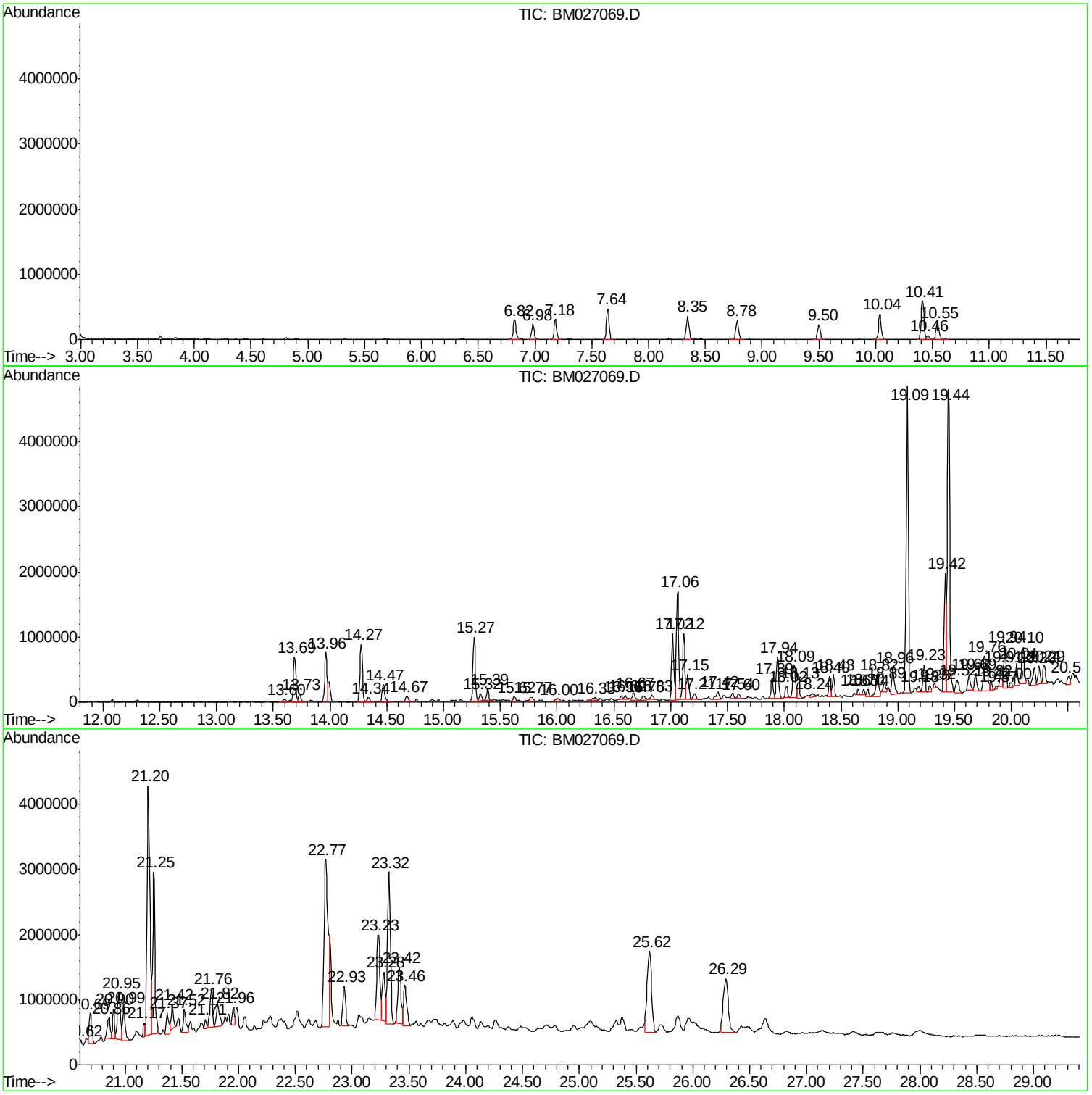
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.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\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

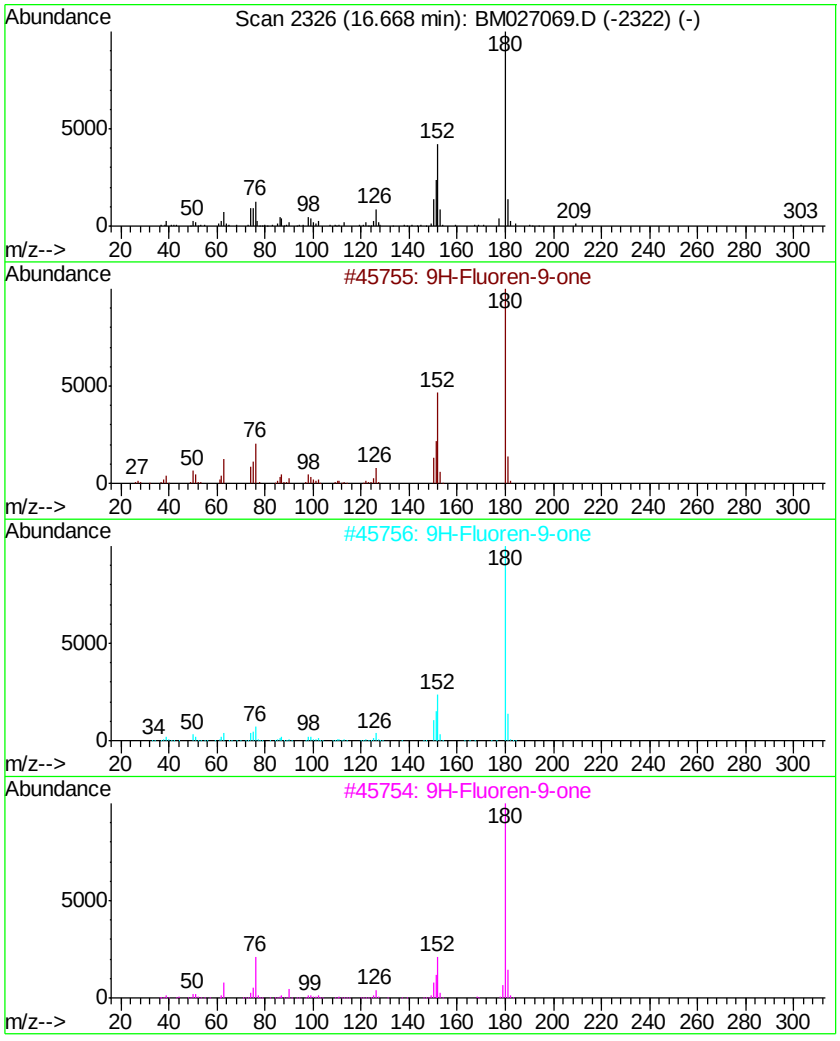
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

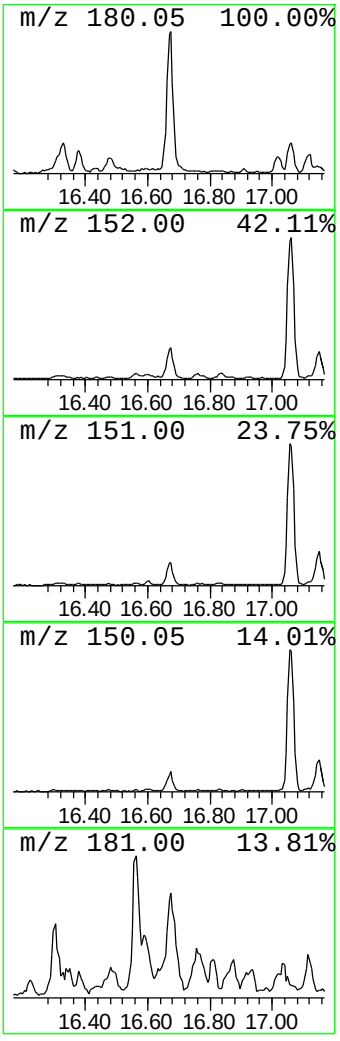
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	2.76 ng/ul	207992	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

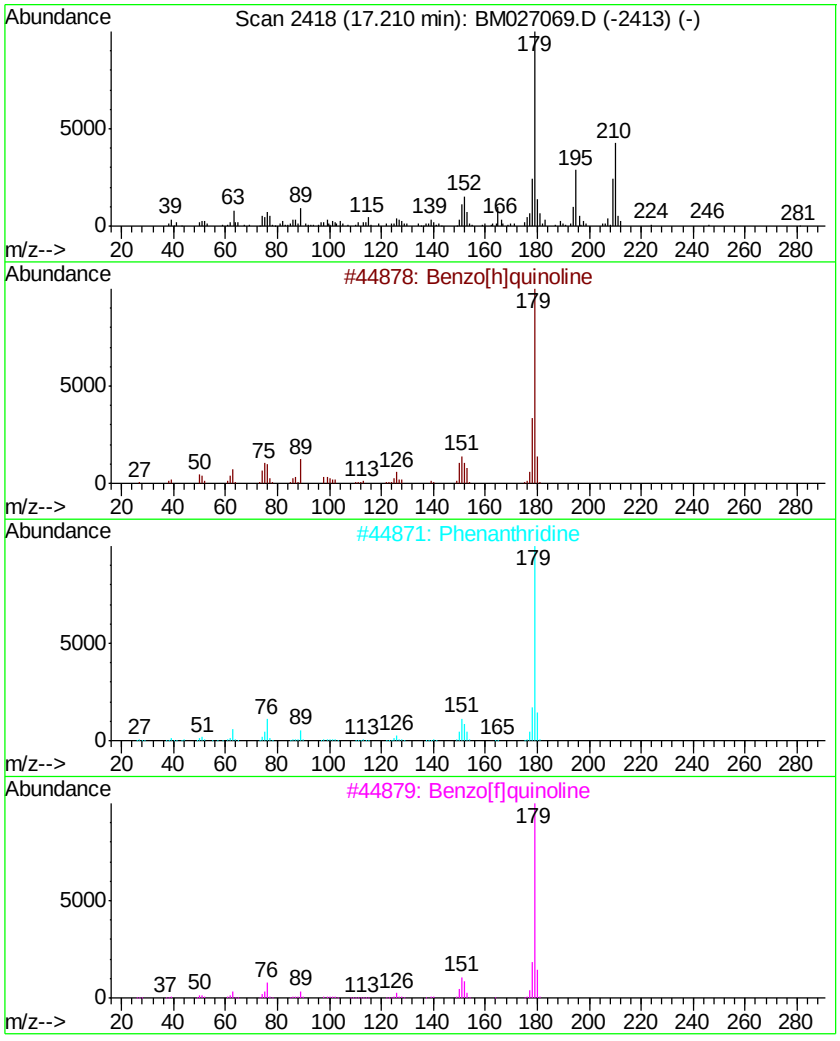
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

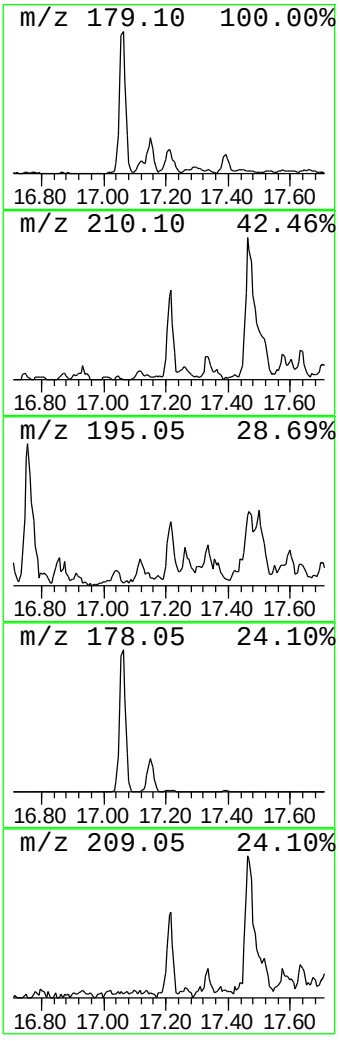
****

Peak Number 2 Benzo[h]quinoline Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	2.11 ng/ul	159554	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	64
2	Phenanthridine	179	C13H9N	000229-87-8	64
3	Benzo[f]quinoline	179	C13H9N	000085-02-9	50
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	50
5	Phenanthridine	179	C13H9N	000229-87-8	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

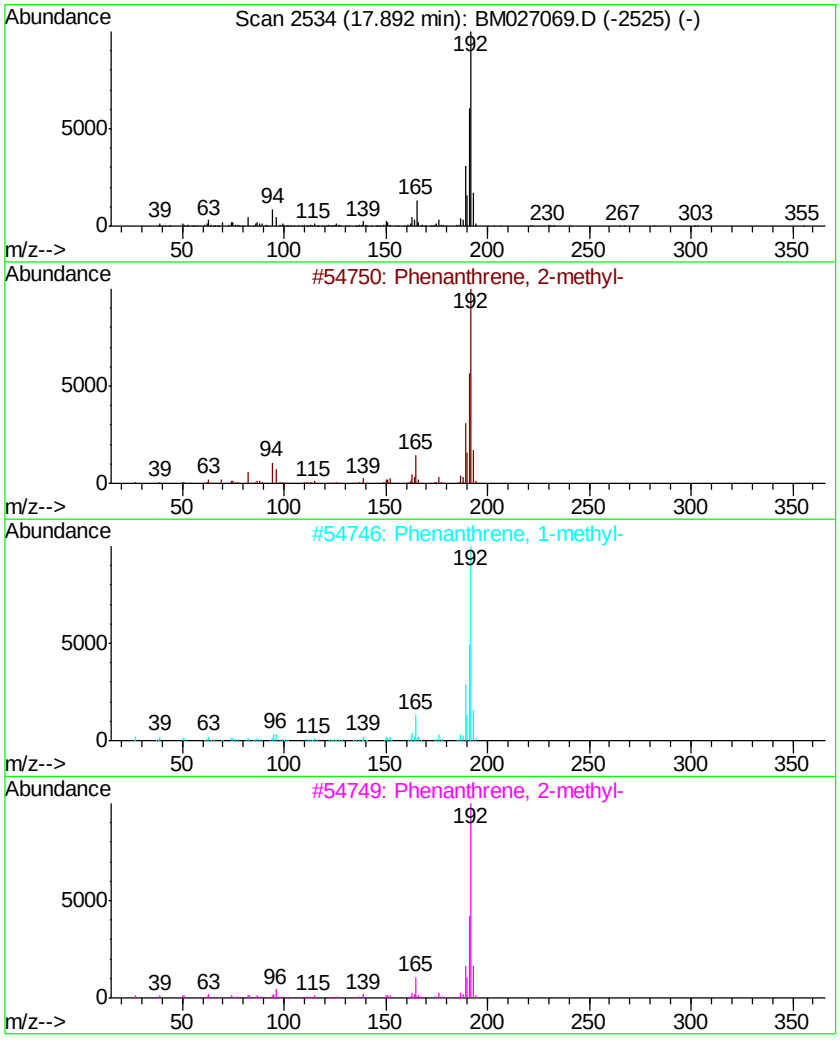
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

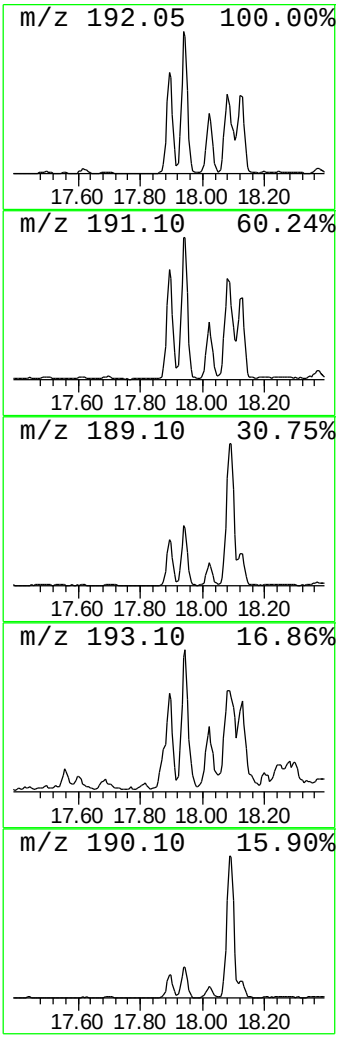
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	6.57 ng/ul	495434	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

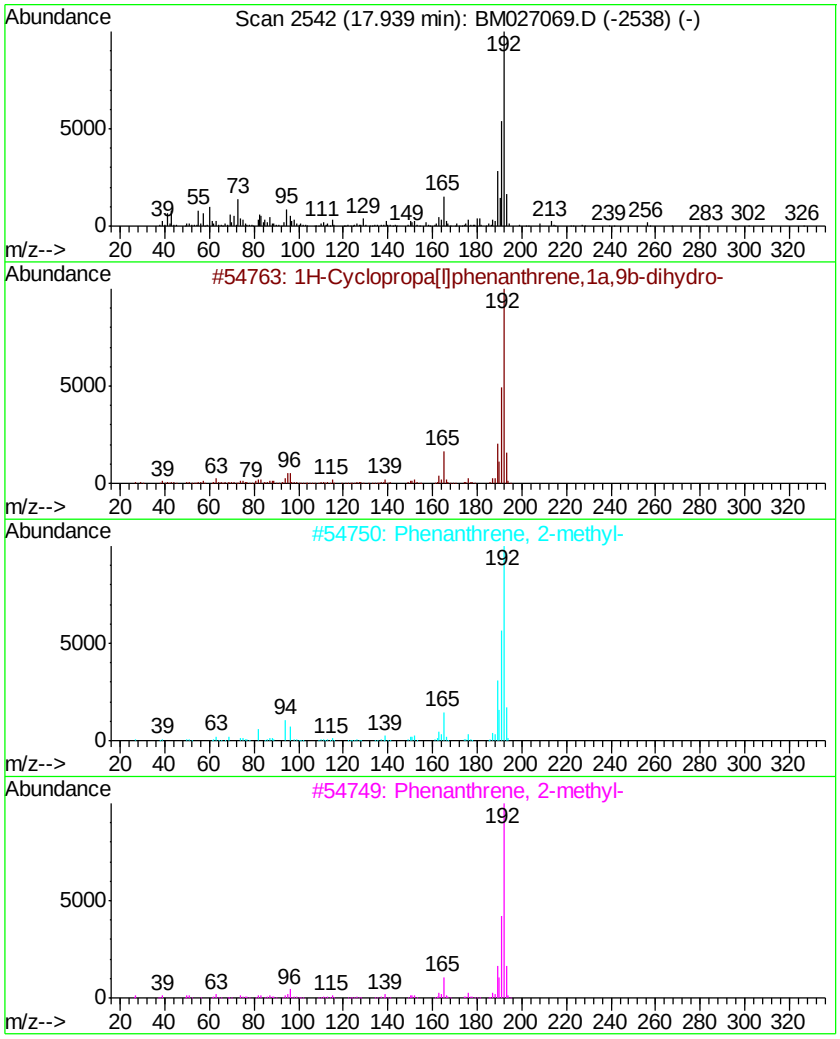
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

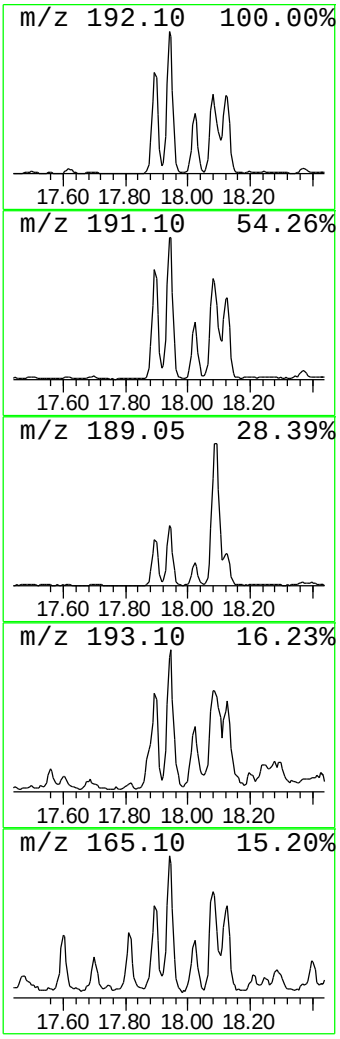
****

Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	11.51 ng/ul	868556	Phenanthrene-d10	17.02

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

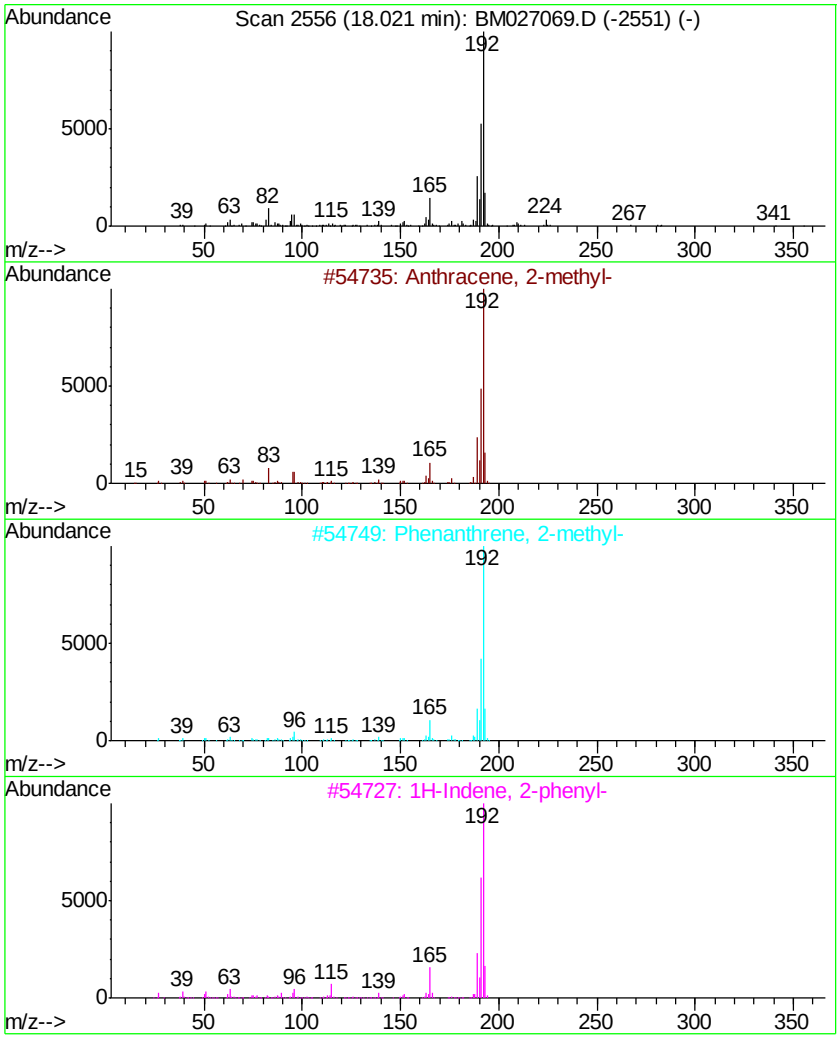
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

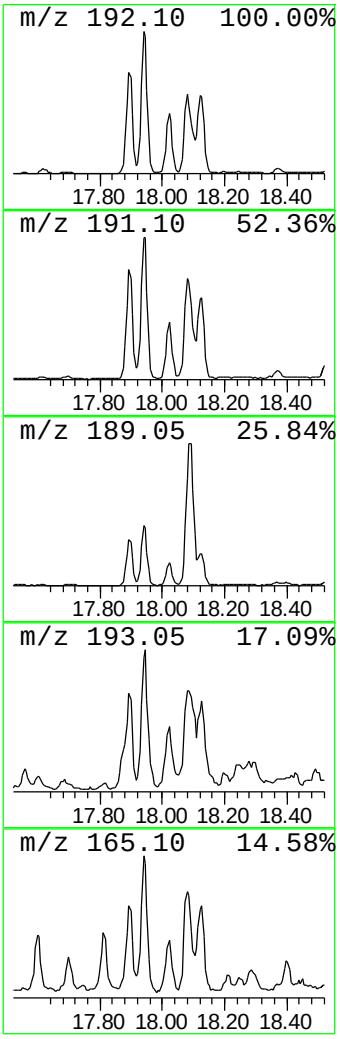
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	3.43 ng/ul	258686	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

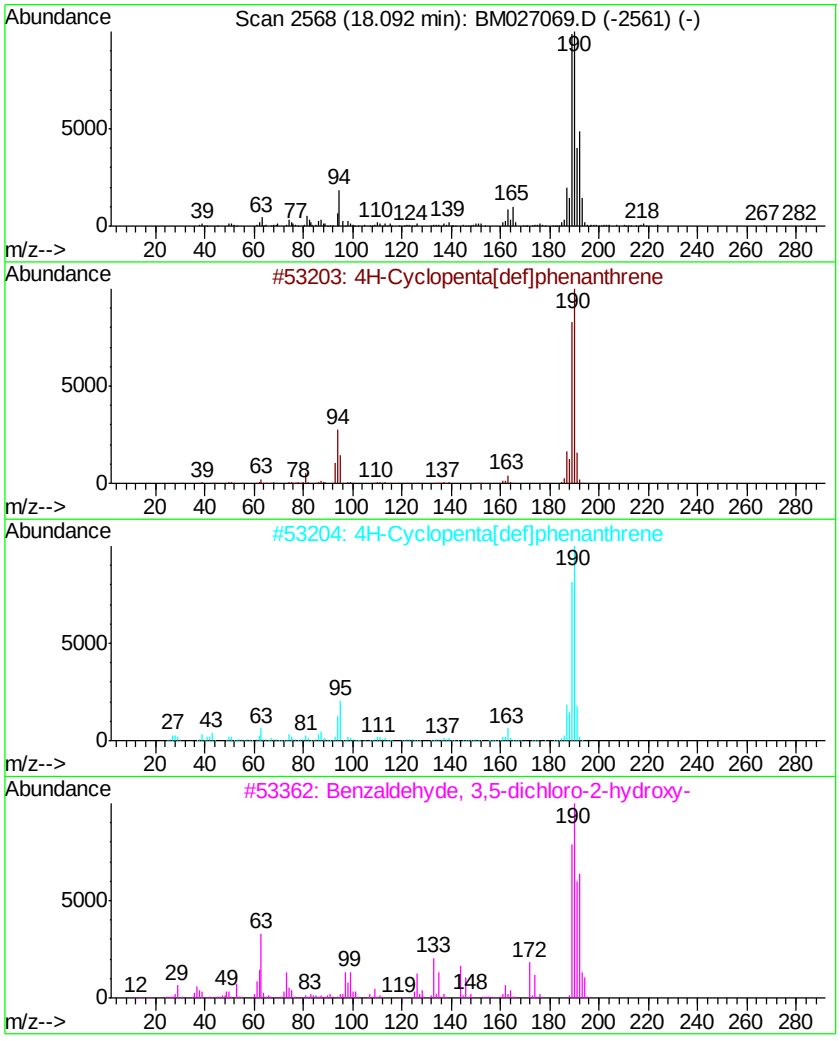
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

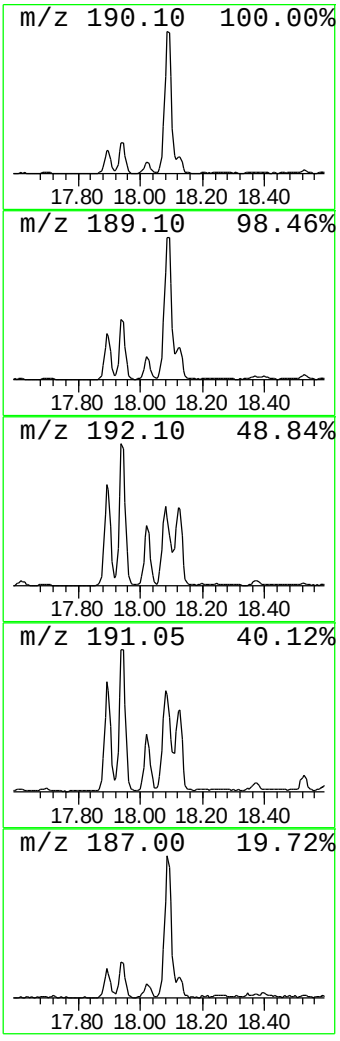
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	11.58 ng/ul	873999	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35





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Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

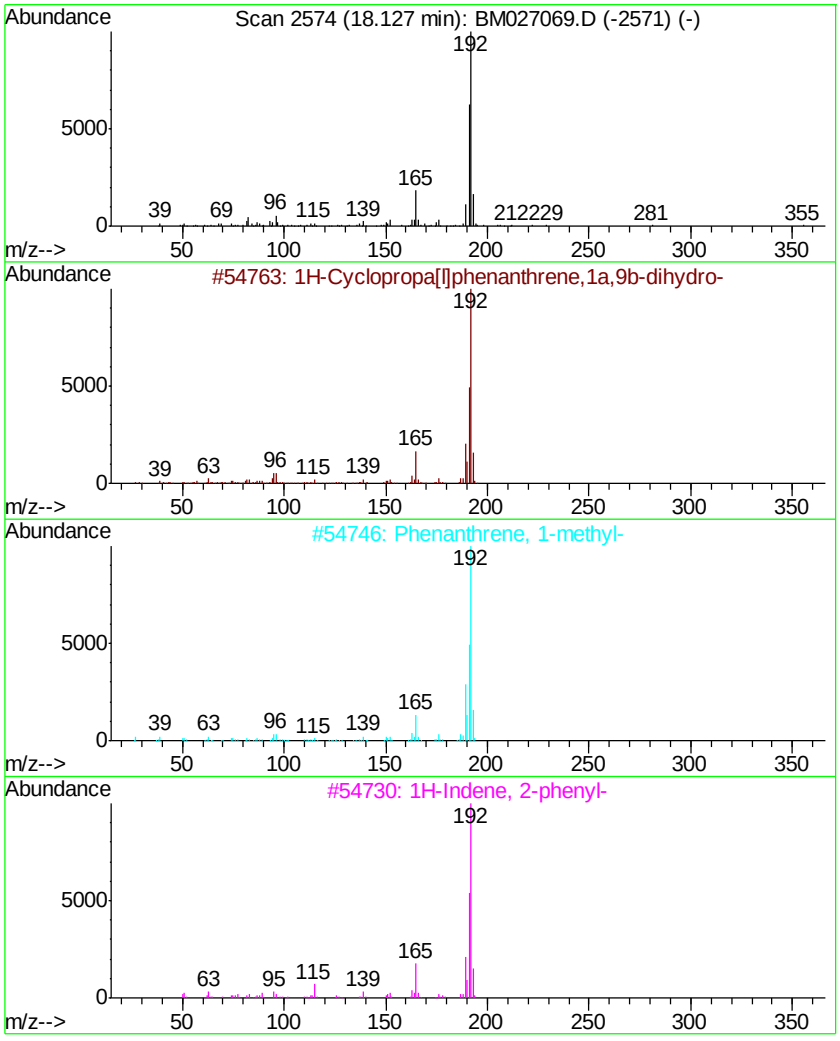
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

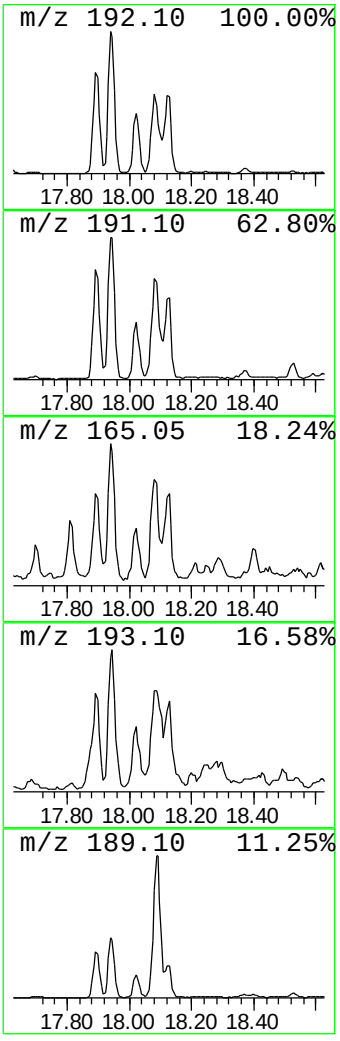
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	4.25 ng/ul	320963	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

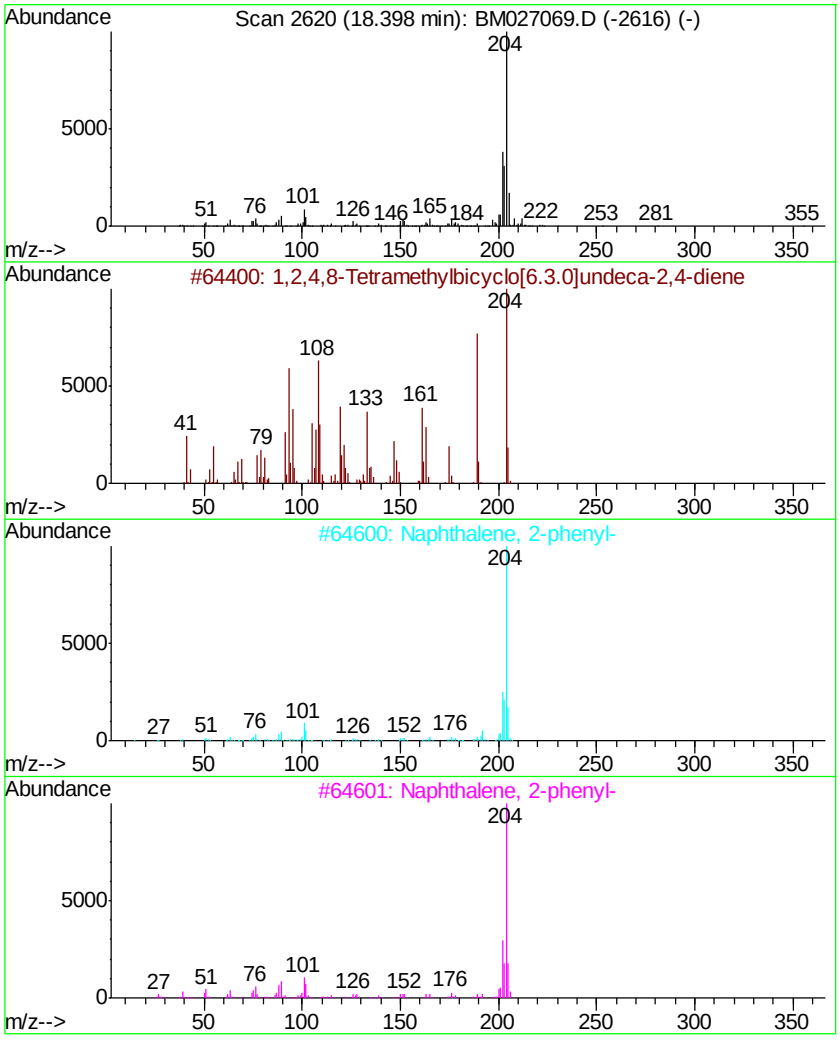
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

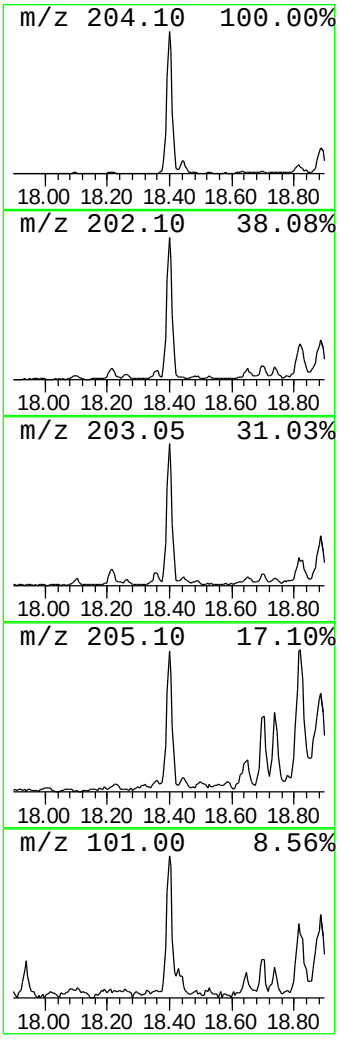
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	5.39 ng/ul	406597	Phenanthrene-d10	17.02

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	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49





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Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

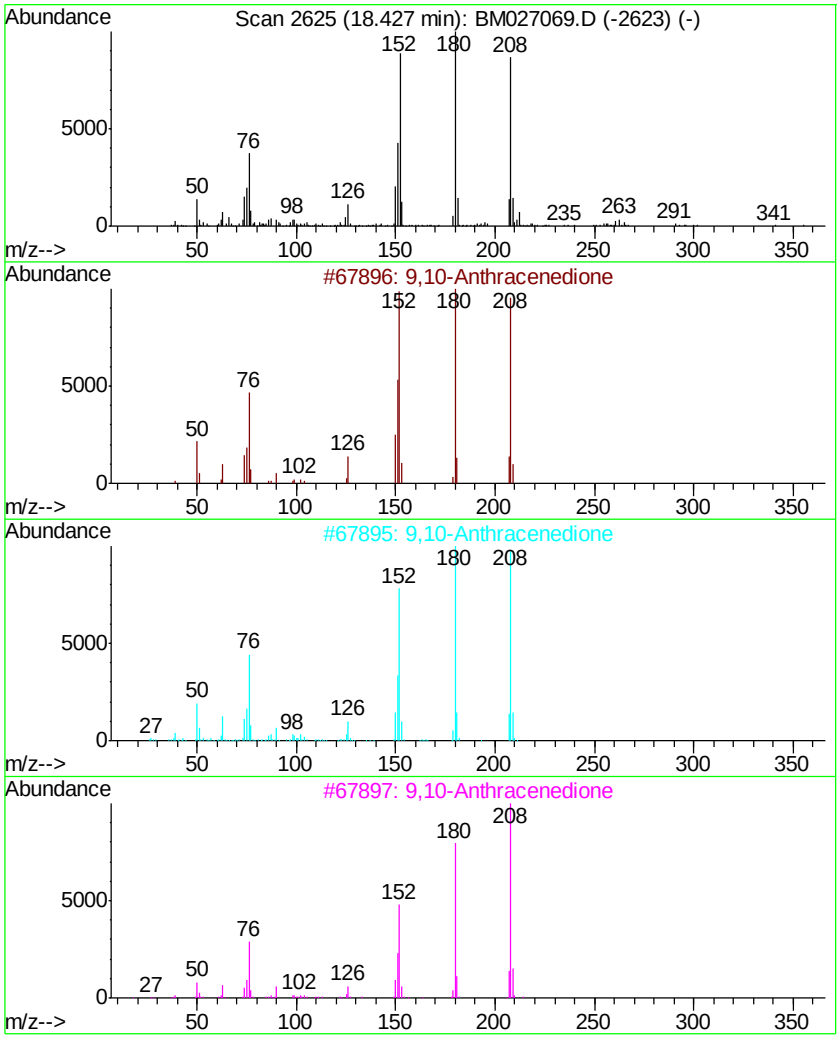
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

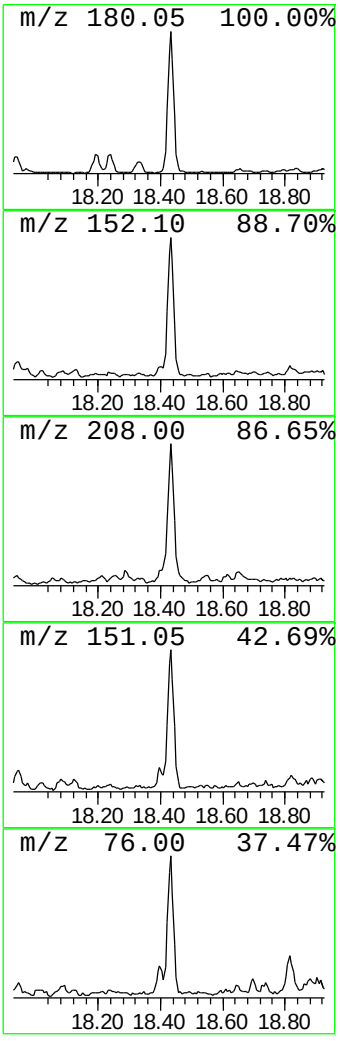
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	5.95 ng/ul	449346	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78





Library Search Compound Report

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Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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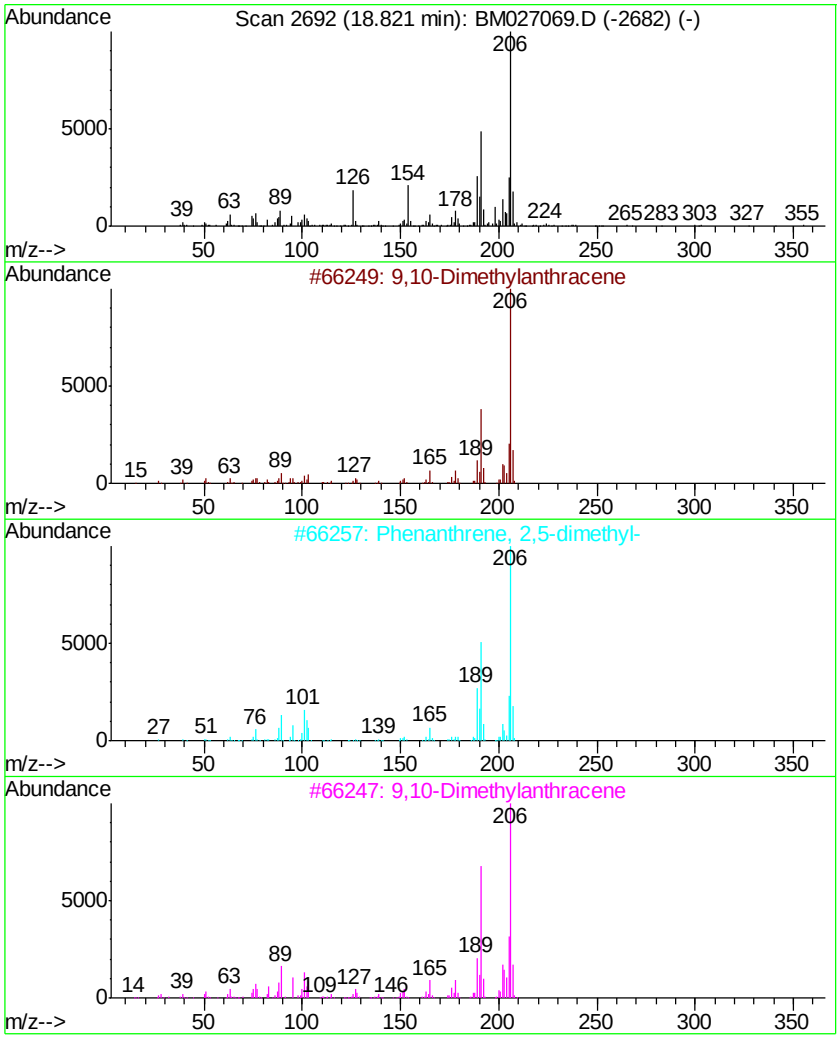
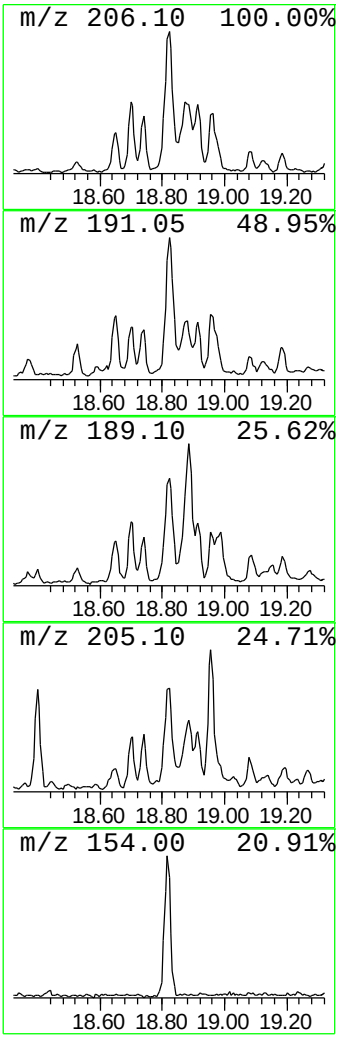
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	8.62 ng/ul	650269	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





Library Search Compound Report

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Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

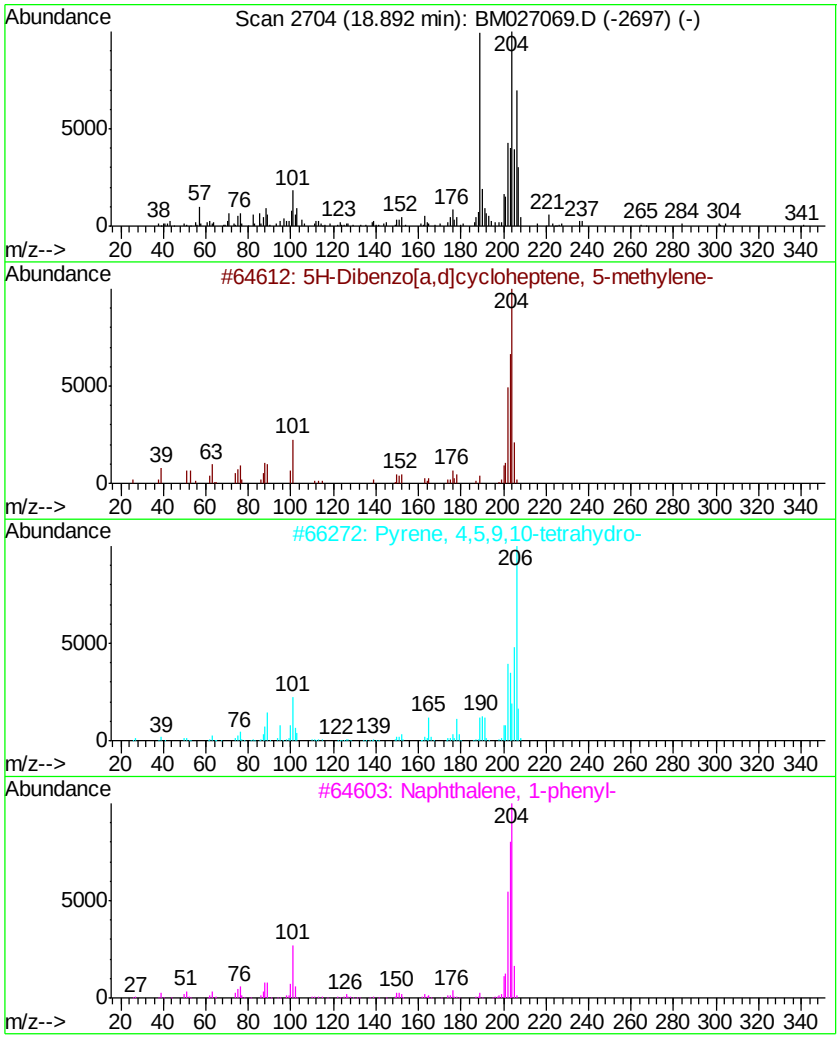
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

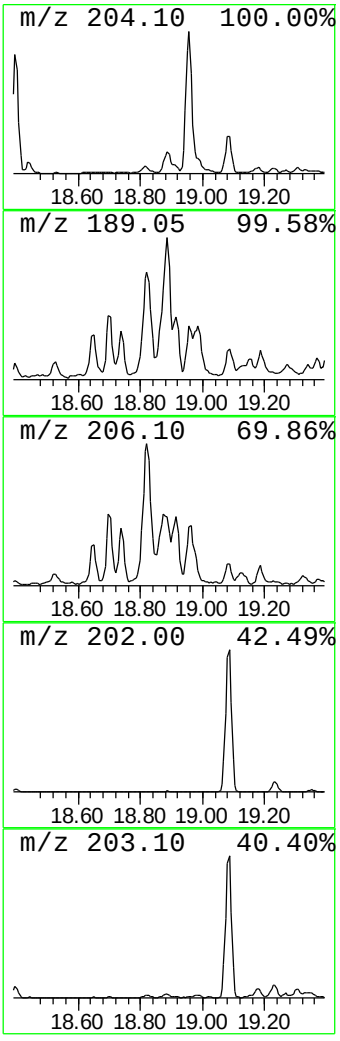
****

Peak Number 11 5H-Dibenzo[a,d]cycloheptene... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	3.15 ng/ul	237591	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	70
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38





Library Search Compound Report

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Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

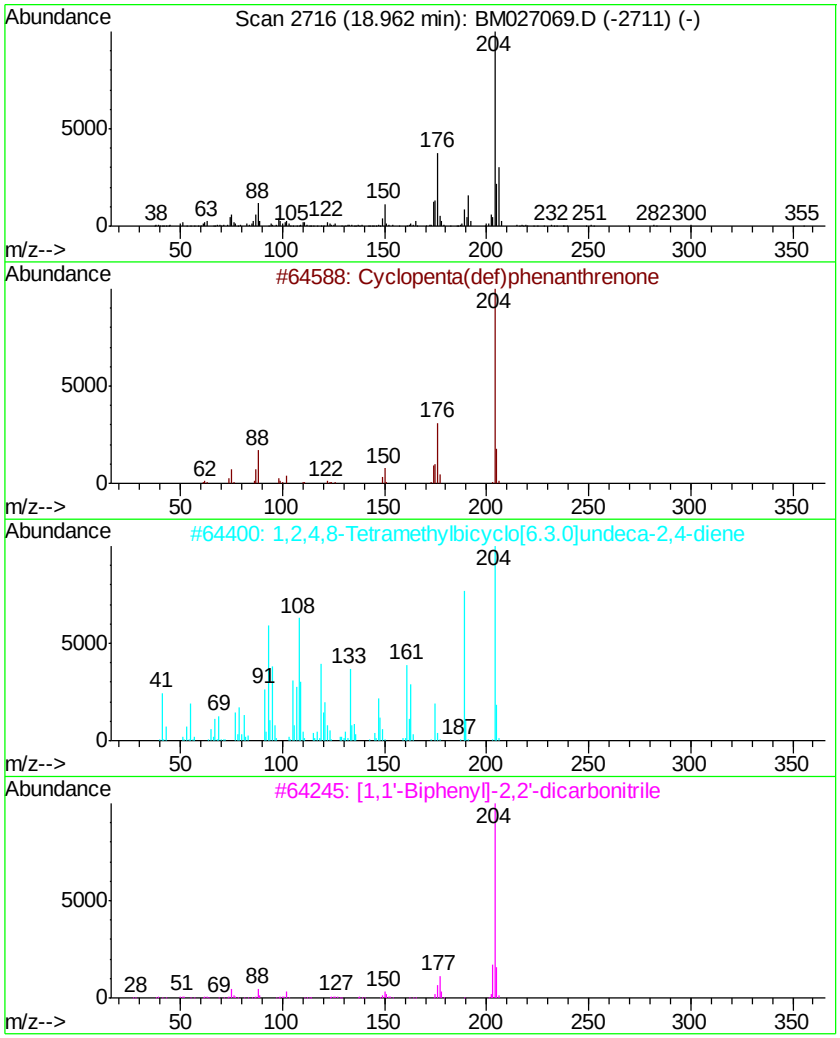
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

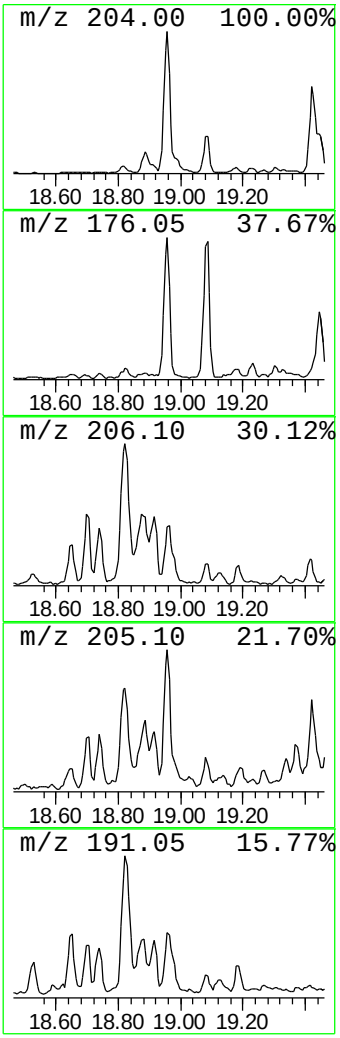
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	8.60 ng/ul	649134	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	43





Library Search Compound Report

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Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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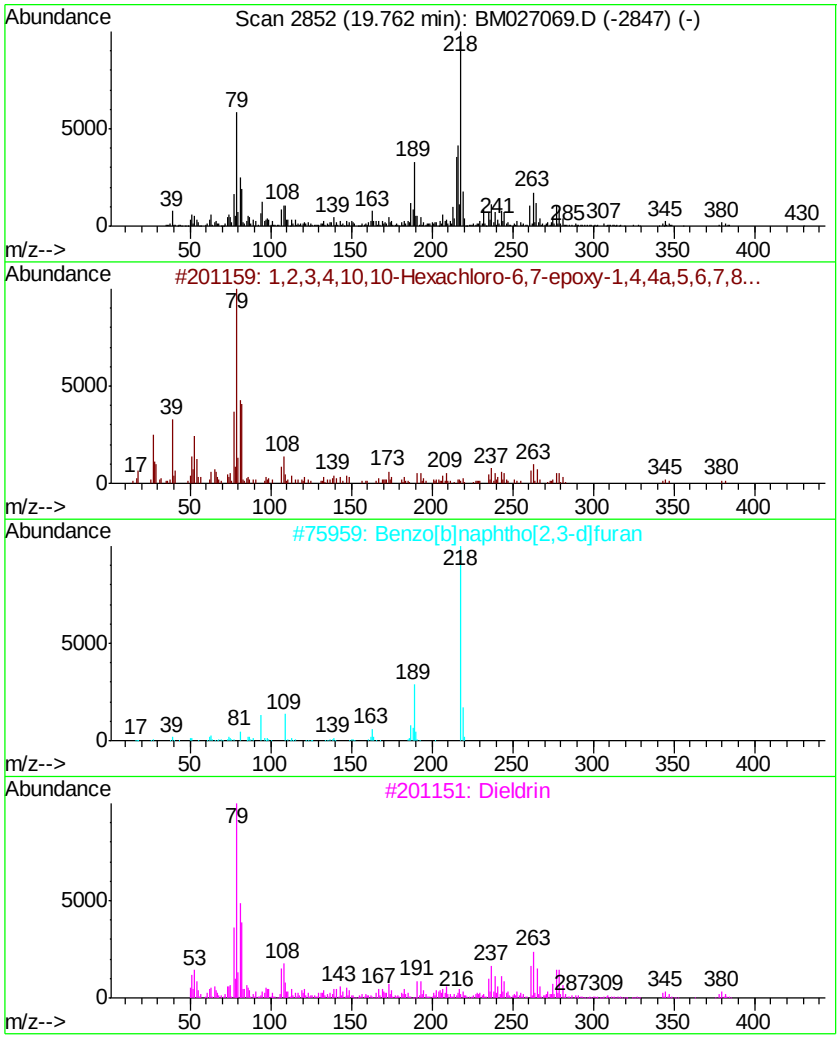
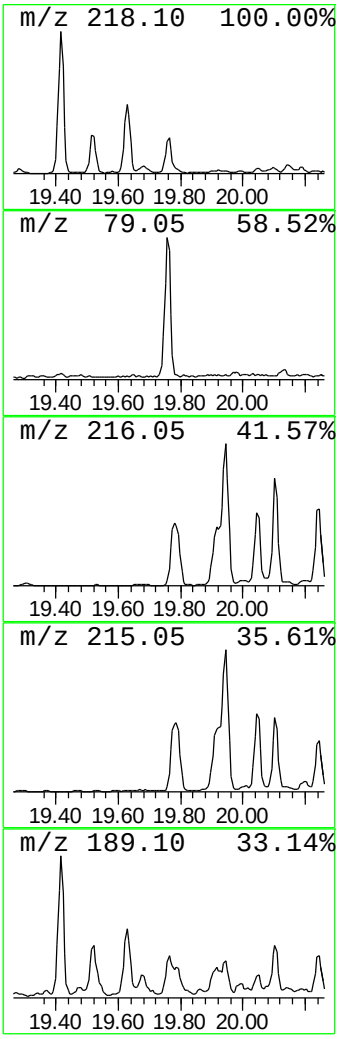
Peak Number 13 1,2,3,4,10,10-Hexachloro-6,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	3.90 ng/ul	1299900	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,4,10,10-Hexachloro-6,7-epo...	378	C12H8Cl6O	056816-04-7	90
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	64
3	Dieldrin	378	C12H8Cl6O	000060-57-1	58
4	Dieldrin	378	C12H8Cl6O	000060-57-1	56
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	55





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Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

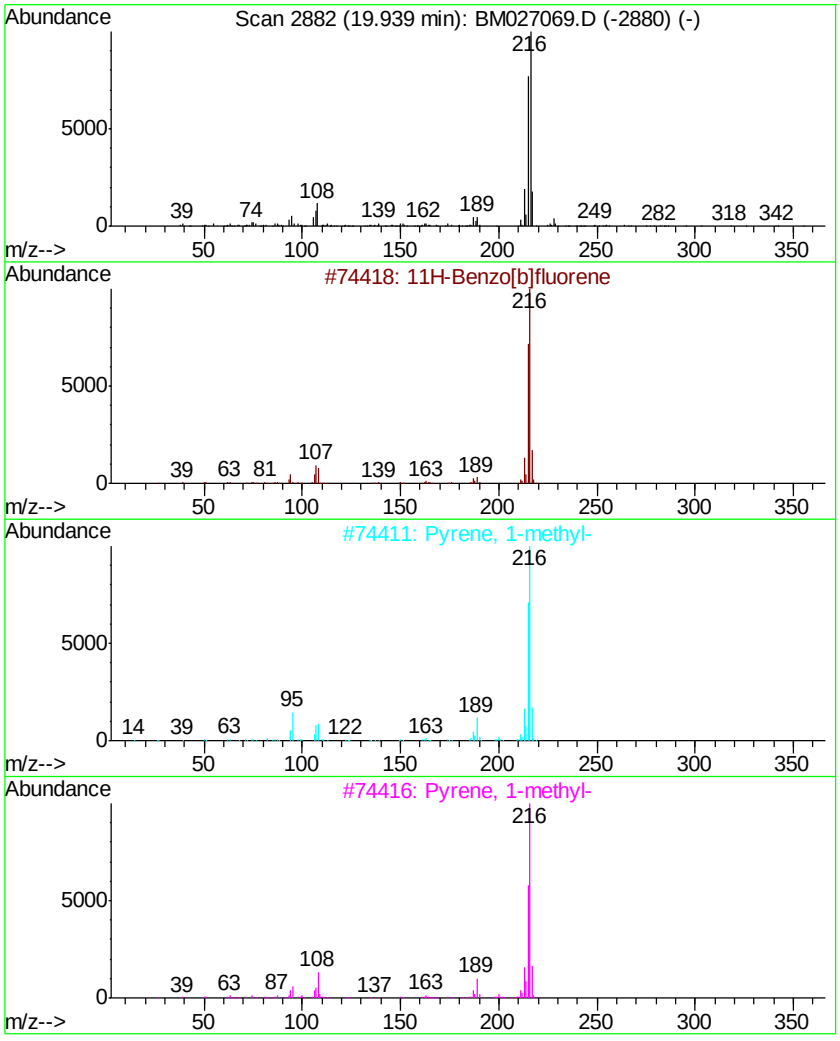
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

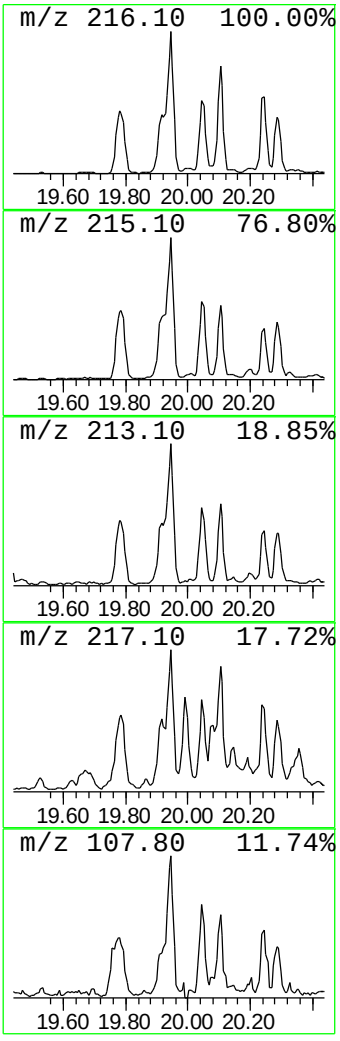
****

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.41 ng/ul	803157	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83





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Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

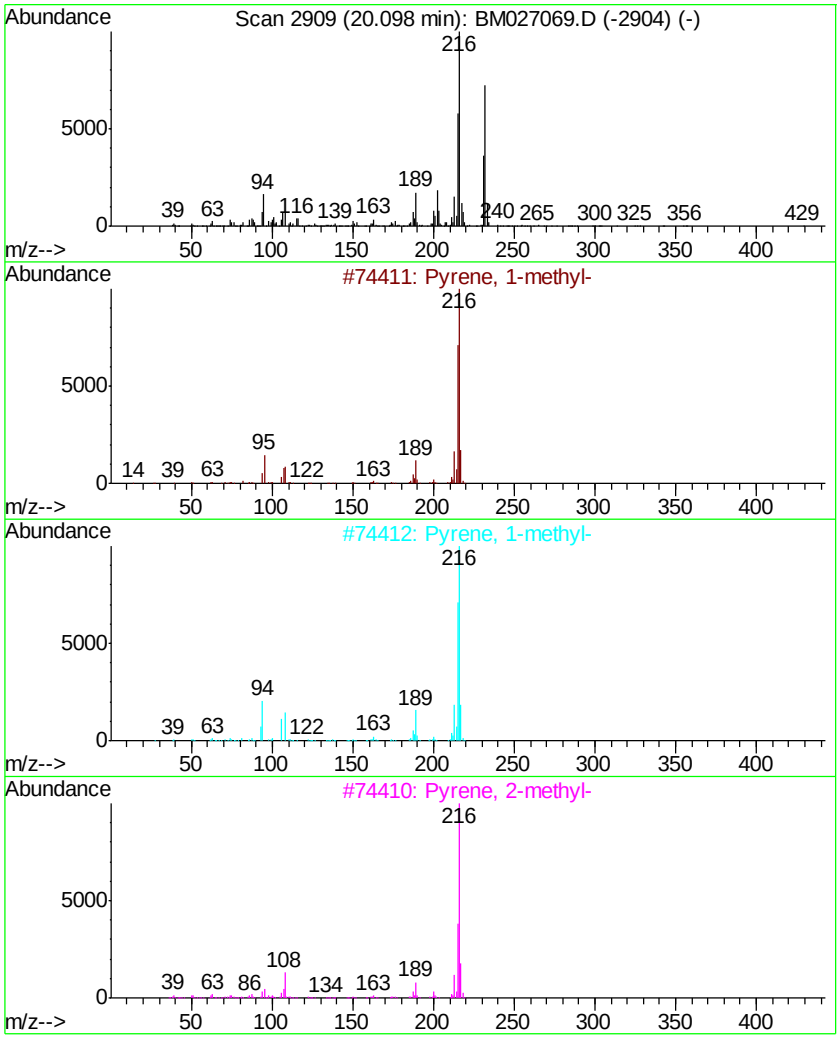
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

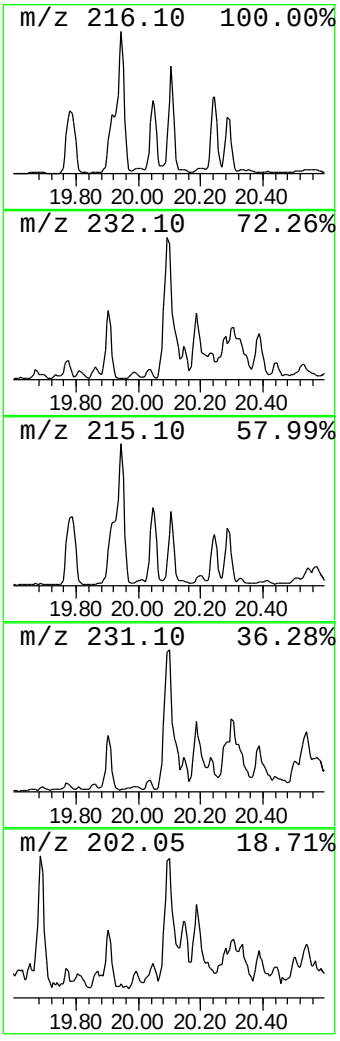
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.68 ng/ul	892122	Chrysene-d12	21.22

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	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





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Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

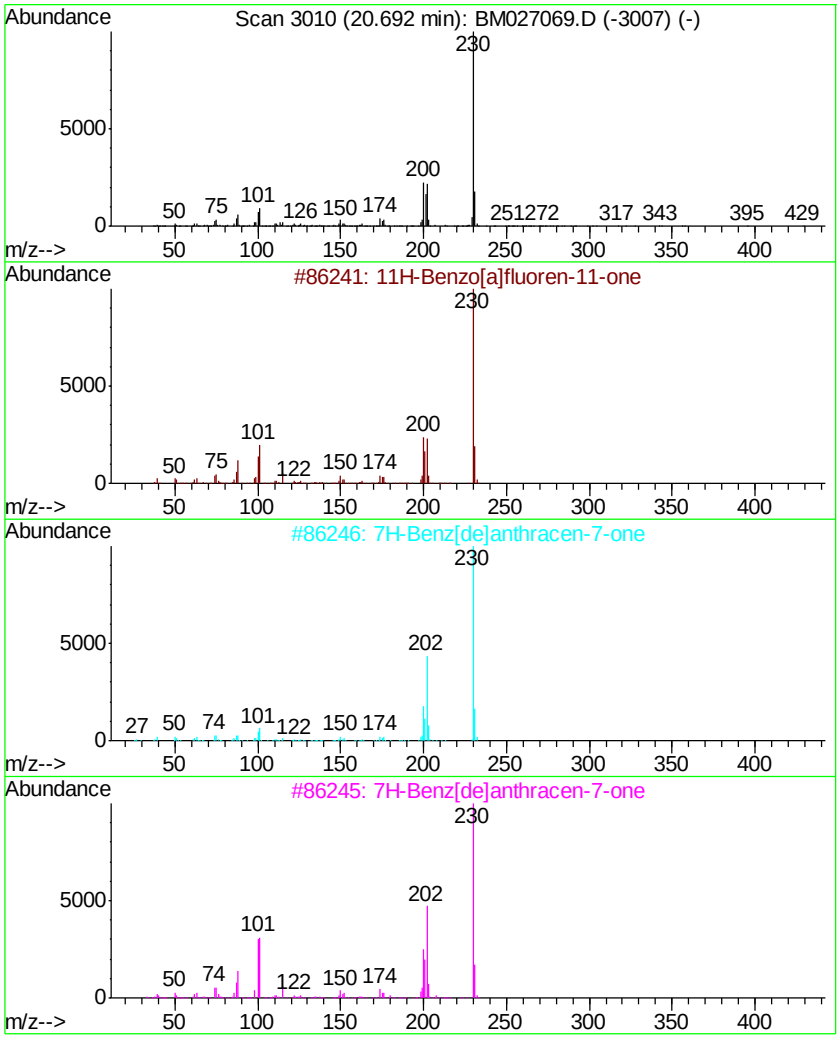
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

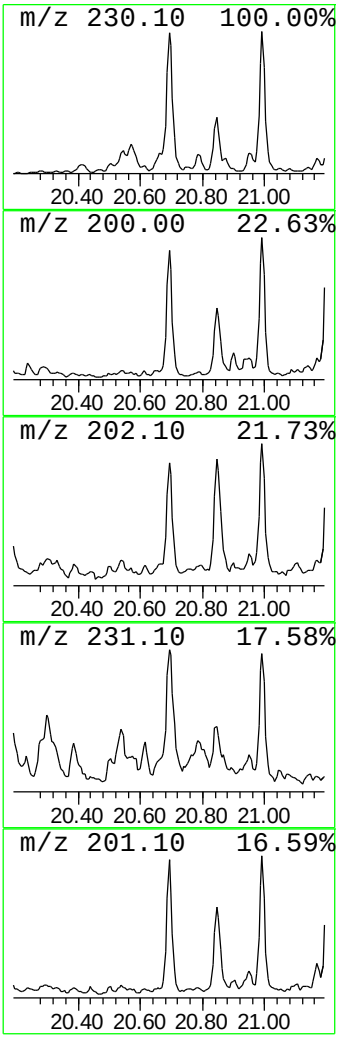
****

Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	2.11 ng/ul	702958	Chrysene-d12	21.22

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	90
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





Library Search Compound Report

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Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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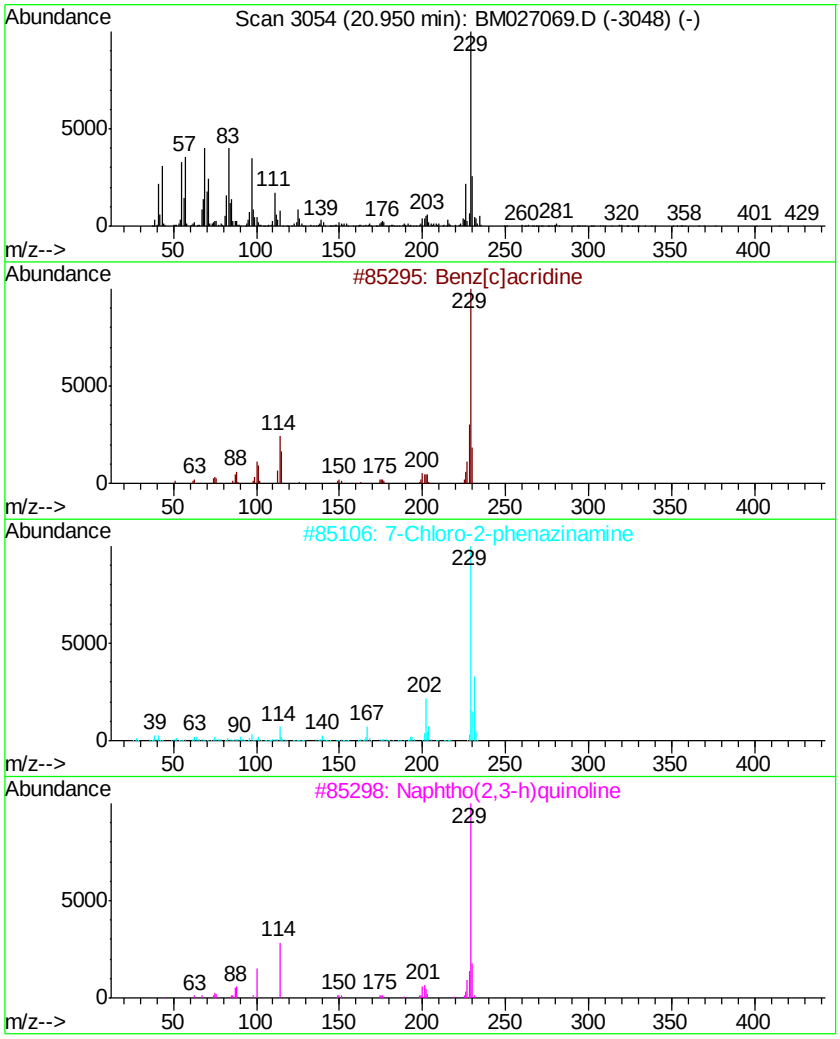
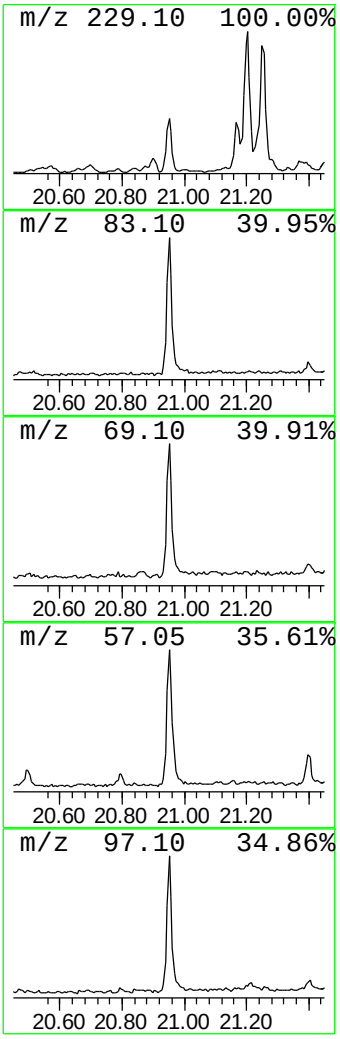
Peak Number 17 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	3.94 ng/ul	1315000	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	45
2	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	38
3	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	38
4	Piperazin-2-one, 3-[2-(4-methylp...	230	C13H14N2O2	063656-21-3	37
5	1-Triisopropylsilyloxyheptane	272	C16H36OSi	162827-42-1	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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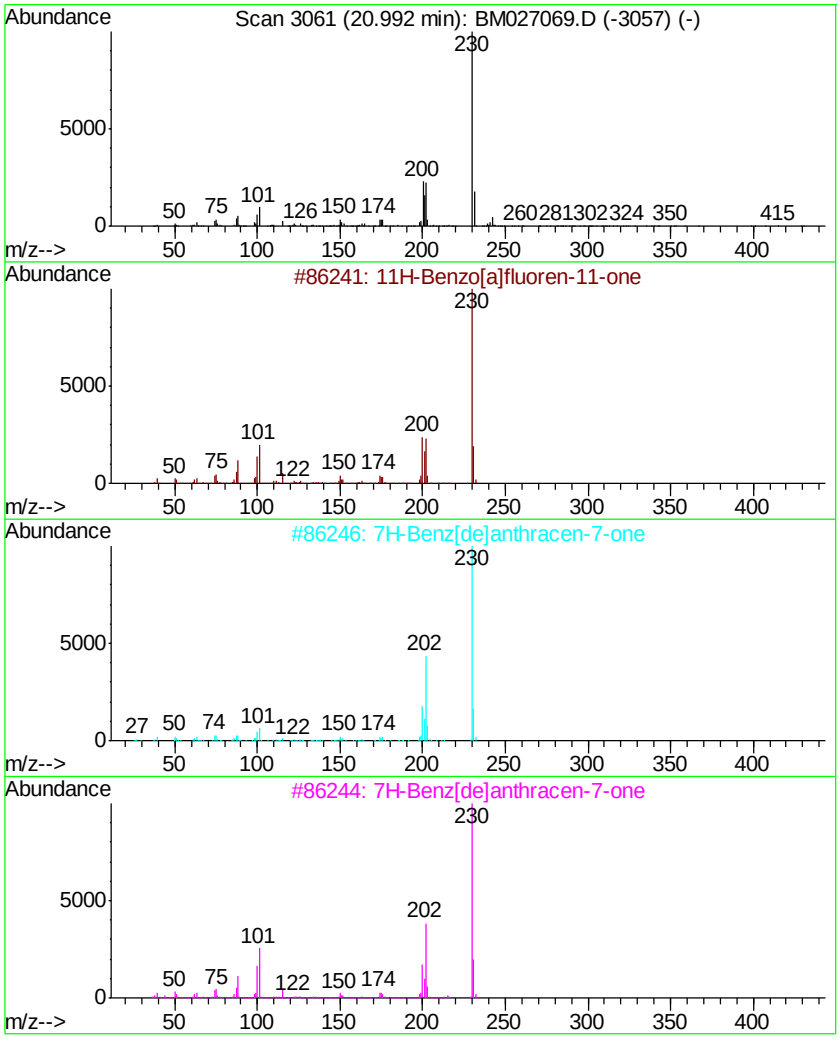
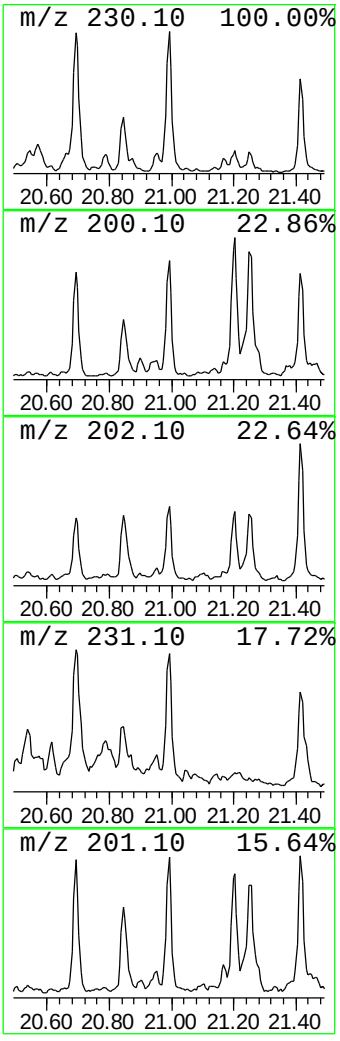
Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.38 ng/ul	792851	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
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	80
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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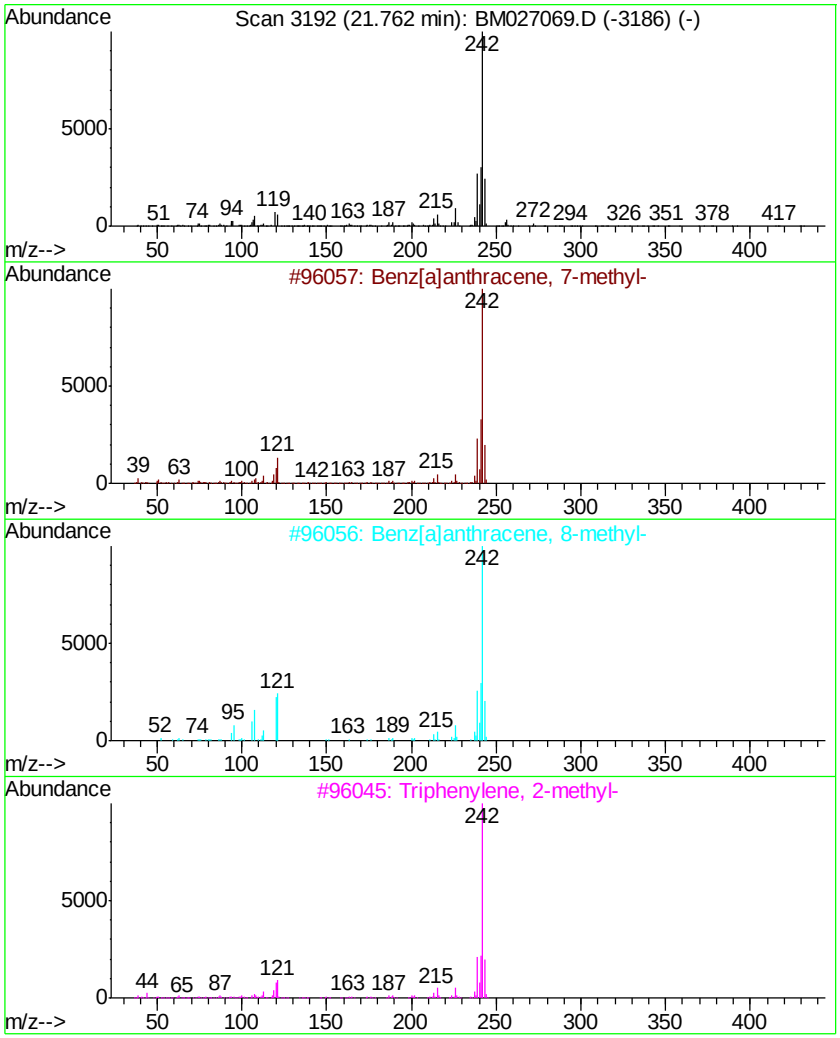
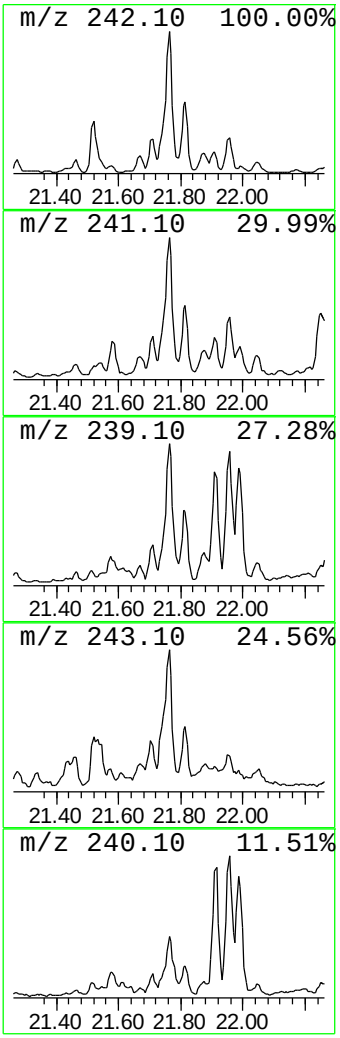
Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.76	2.74 ng/ul	913156	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	91
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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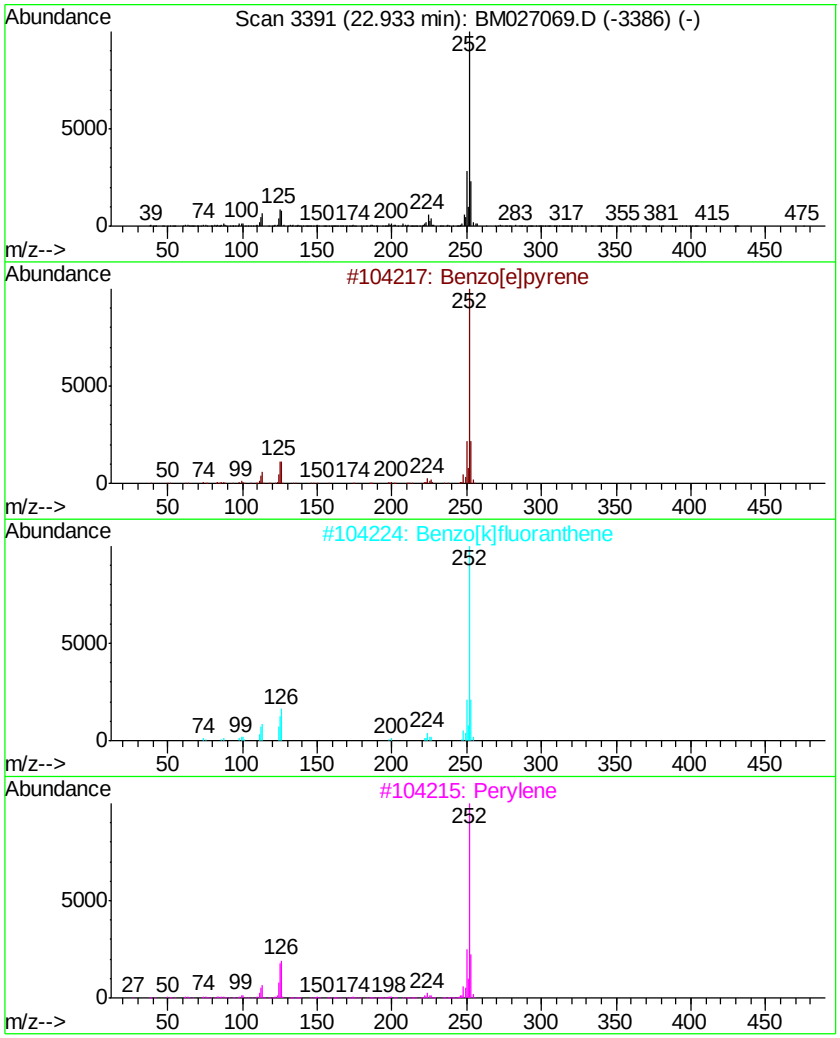
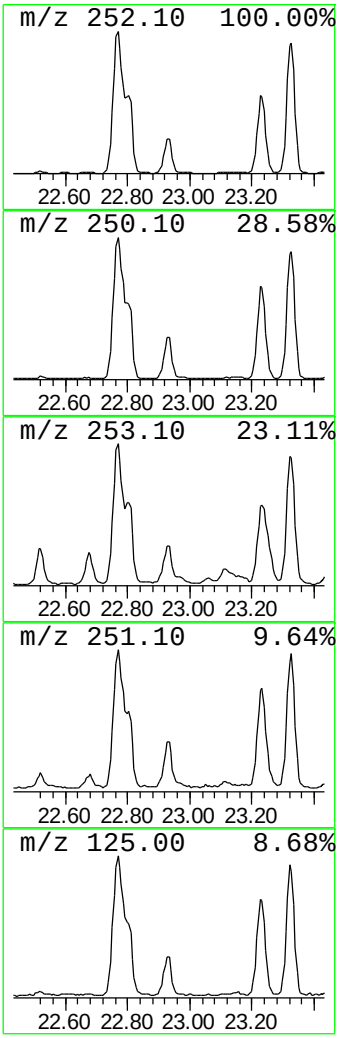
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.93	11.92 ng/ul	1020910	Perylene-d12	23.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	92
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081320\
Data File : BM027069.D
Acq On : 13 Aug 2020 20:04
Operator : JU/CG
Sample : L3630-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFM68

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.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
9H-Fluoren-9-one	16.67	2.8	ng/ul	207992	4	17.02	1509300	20.0
Benzo[h]quinoline	17.21	2.1	ng/ul	159554	4	17.02	1509300	20.0
Phenanthrene, 2-m...	17.89	6.6	ng/ul	495434	4	17.02	1509300	20.0
1H-Cyclopropa[l]p...	17.94	11.5	ng/ul	868556	4	17.02	1509300	20.0
Anthracene, 2-met...	18.02	3.4	ng/ul	258686	4	17.02	1509300	20.0
4H-Cyclopenta[def...	18.09	11.6	ng/ul	873999	4	17.02	1509300	20.0
Phenanthrene, 1-m...	18.13	4.3	ng/ul	320963	4	17.02	1509300	20.0
1,2,4,8-Tetrameth...	18.40	5.4	ng/ul	406597	4	17.02	1509300	20.0
9,10-Anthracenedione	18.43	6.0	ng/ul	449346	4	17.02	1509300	20.0
9,10-Dimethylanth...	18.82	8.6	ng/ul	650269	4	17.02	1509300	20.0
5H-Dibenzo[a,d]cy...	18.89	3.1	ng/ul	237591	4	17.02	1509300	20.0
Cyclopenta(def)ph...	18.96	8.6	ng/ul	649134	4	17.02	1509300	20.0
1,2,3,4,10,10-Hex...	19.76	3.9	ng/ul	1299900	5	21.22	6667950	20.0
11H-Benzo[b]fluorene	19.94	2.4	ng/ul	803157	5	21.22	6667950	20.0
Pyrene, 1-methyl-	20.10	2.7	ng/ul	892122	5	21.22	6667950	20.0
11H-Benzo[a]fluor...	20.69	2.1	ng/ul	702958	5	21.22	6667950	20.0
unknown-01	20.95	3.9	ng/ul	1315000	5	21.22	6667950	20.0
7H-Benz[de]anthra...	20.99	2.4	ng/ul	792851	5	21.22	6667950	20.0
Benz[a]anthracene...	21.76	2.7	ng/ul	913156	5	21.22	6667950	20.0
Benzo[e]pyrene	22.93	11.9	ng/ul	1020910	6	23.41	1712250	20.0