LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
Data File : BM023351.D
Acq On : 23 Oct 2019 20:47
Operator : JU
Sample : K5346-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOM1

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-BM102319MA.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	3.663	112	115	122	rVB	231996	323448	0.50%	0.056%
2	6.816	643	651	666	rBV2	2088266	3751491	5.77%	0.650%
3	6.981	672	679	688	rBV	1679692	2673697	4.11%	0.463%
4	7.175	705	712	722	rVB	2267590	3517161	5.41%	0.609%
5	7.639	784	791	800	rBV	2211559	3506300	5.39%	0.608%
6	8.175	877	882	893	rBV	133651	250523	0.39%	0.043%
7	8.345	904	911	925	rBV	2496755	4062198	6.25%	0.704%
8	8.786	975	986	997	rBV	2236516	3654275	5.62%	0.633%
9	9.504	1099	1108	1117	rBV	1841524	3043941	4.68%	0.527%
10	10.045	1191	1200	1209	rBV	3043766	5013373	7.71%	0.869%
11	10.422	1254	1264	1268	rBV	3303776	5580731	8.58%	0.967%
12	10.469	1268	1272	1279	rVB	913484	1475290	2.27%	0.256%
13	10.551	1279	1286	1302	rBV	1872923	3391811	5.22%	0.588%
14	12.092	1541	1548	1556	rVB	296655	494764	0.76%	0.086%
15	13.704	1816	1822	1826	rVV	5667732	7832997	12.04%	1.357%
16	13.751	1826	1830	1836	rVB	1749357	2349303	3.61%	0.407%
17	13.974	1861	1868	1881	rBV2	6152506	11951843	18.38%	2.071%
18	14.286	1913	1921	1927	rBV	5232712	7583478	11.66%	1.314%
19	14.351	1927	1932	1940	rVB	294580	455607	0.70%	0.079%
20	14.486	1948	1955	1963	rBV	1259709	1880937	2.89%	0.326%
21	14.633	1976	1980	1985	rBV	144040	213285	0.33%	0.037%
22	14.686	1985	1989	1990	rVV	360771	430736	0.66%	0.075%
23	14.710	1990	1993	2000	rVV	549687	817838	1.26%	0.142%
24	15.174	2066	2072	2077	rVV4	132222	239041	0.37%	0.041%
25	15.280	2084	2090	2096	rBV	7882924	11620194	17.87%	2.013%
26	15.339	2096	2100	2106	rVB	747160	1062430	1.63%	0.184%
27	15.404	2106	2111	2118	rBV	1919334	2550749	3.92%	0.442%
28	15.780	2172	2175	2183	rVB2	121248	274052	0.42%	0.047%
29	16.009	2208	2214	2220	rBV2	342773	598559	0.92%	0.104%
30	16.345	2267	2271	2276	rVV	185958	286527	0.44%	0.050%
31	16.686	2324	2329	2337	rVB2	264863	440690	0.68%	0.076%
32	16.780	2339	2345	2348	rBV4	98029	225512	0.35%	0.039%
33	17.033	2382	2388	2392	rBV2	5445881	8032033	12.35%	1.392%
34	17.074	2392	2395	2399	rVV	3147346	4082078	6.28%	0.707%

LSC Area Percent Report

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Operator : JU
Sample : K5346-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOM1

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-BM102319MA.M
Title : SVOA CALIBRATION

35	17.133	2399	2405	2408	rVV2	7783649	12599463	19.37%	2.183%
36	17.162	2408	2410	2416	rVV	7255866	9157881	14.08%	1.587%
37	17.227	2417	2421	2427	rVV3	178653	327649	0.50%	0.057%
38	17.433	2452	2456	2461	rVB	653472	890031	1.37%	0.154%
39	17.692	2497	2500	2507	rVB4	158864	227118	0.35%	0.039%
40	17.956	2540	2545	2553	rVB	848286	1197472	1.84%	0.207%
41	18.039	2553	2559	2564	rVV	1778232	2617846	4.03%	0.454%
42	18.103	2564	2570	2574	rVV	607550	1169739	1.80%	0.203%
43	18.139	2574	2576	2584	rVB	314885	350546	0.54%	0.061%
44	18.303	2600	2604	2609	rVB3	135516	213217	0.33%	0.037%
45	18.415	2619	2623	2626	rBV	337423	418387	0.64%	0.072%
46	18.450	2626	2629	2635	rVB2	395227	545726	0.84%	0.095%
47	18.709	2669	2673	2677	rBV3	544000	695495	1.07%	0.121%
48	18.750	2677	2680	2684	rVB	265580	346065	0.53%	0.060%
49	18.827	2688	2693	2699	rBV	801445	1346248	2.07%	0.233%
50	18.898	2701	2705	2708	rBV2	316908	474082	0.73%	0.082%
51	18.968	2713	2717	2725	rBV	982680	1758971	2.70%	0.305%
52	19.098	2733	2739	2744	rVB	9269034	12259427	18.85%	2.124%
53	19.245	2760	2764	2768	rVB	742123	1065954	1.64%	0.185%
54	19.433	2790	2796	2798	rBV2	9635949	14813299	22.78%	2.567%
55	19.462	2798	2801	2809	rVV	12835650	16808329	25.85%	2.912%
56	19.539	2809	2814	2821	rVB3	490531	1132833	1.74%	0.196%
57	19.639	2827	2831	2837	rBV	1358346	1866953	2.87%	0.323%
58	19.697	2838	2841	2847	rVB2	1046066	1556209	2.39%	0.270%
59	19.792	2851	2857	2867	rVB4	1877010	4198808	6.46%	0.728%
60	19.956	2875	2885	2890	rVB	4615839	10404656	16.00%	1.803%
61	20.009	2891	2894	2897	rBV2	330069	407869	0.63%	0.071%
62	20.056	2898	2902	2906	rBV	4760841	6031439	9.27%	1.045%
63	20.115	2906	2912	2916	rBV2	2952107	4660663	7.17%	0.808%
64	20.156	2916	2919	2923	rVB2	692707	801030	1.23%	0.139%
65	20.197	2923	2926	2931	rVB	465339	660255	1.02%	0.114%
66	20.256	2932	2936	2940	rBV	2530562	3462532	5.32%	0.600%
67	20.297	2940	2943	2948	rVB2	1605826	2493594	3.83%	0.432%
68	20.515	2977	2980	2983	rBV3	762244	1129503	1.74%	0.196%
69	20.621	2996	2998	3002	rVB3	585631	629460	0.97%	0.109%
70	20.674	3002	3007	3009	rBV3	1063429	1776348	2.73%	0.308%
71	20.709	3009	3013	3019	rVB2	1754770	3180267	4.89%	0.551%

LSC Area Percent Report

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Operator : JU
Sample : K5346-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOM1

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-BM102319MA.M
Title : SVOA CALIBRATION

72	20.874	3035	3041	3044	rBV2	2349641	3714492	5.71%	0.644%
73	20.909	3044	3047	3050	rVB	1480919	1518054	2.33%	0.263%
74	20.944	3050	3053	3060	rBV	2852216	5244537	8.06%	0.909%
75	21.215	3091	3099	3103	rBV2	16058719	28274126	43.48%	4.899%
76	21.268	3104	3108	3114	rVB	23718264	32923462	50.62%	5.704%
77	21.380	3123	3127	3136	rBV	3055726	5046341	7.76%	0.874%
78	21.486	3141	3145	3149	rVB3	2042131	2668113	4.10%	0.462%
79	21.527	3149	3152	3159	rBV	2561653	4346502	6.68%	0.753%
80	21.586	3159	3162	3170	rVB3	1439825	2473413	3.80%	0.429%
81	21.721	3182	3185	3187	rBV	1116586	1528418	2.35%	0.265%
82	21.774	3188	3194	3198	rVV	4381256	7799865	11.99%	1.351%
83	21.827	3199	3203	3209	rVB	2546187	4041716	6.21%	0.700%
84	21.968	3223	3227	3229	rBV	2452381	3635326	5.59%	0.630%
85	21.997	3229	3232	3238	rVV5	2646759	4230829	6.51%	0.733%
86	22.062	3239	3243	3253	rVB3	1892225	3774199	5.80%	0.654%
87	22.238	3270	3273	3278	rBV2	826553	1314722	2.02%	0.228%
88	22.533	3317	3323	3333	rVB3	1974192	5038127	7.75%	0.873%
89	22.785	3358	3366	3371	rBV2	26321217	65034071	100.00%	11.268%
90	22.944	3388	3393	3399	rBV	4575063	7161817	11.01%	1.241%
91	23.074	3410	3415	3425	rBV2	1620692	4561458	7.01%	0.790%
92	23.250	3438	3445	3450	rBV	13998073	27149866	41.75%	4.704%
93	23.297	3450	3453	3456	rVV	4242163	7119272	10.95%	1.234%
94	23.344	3456	3461	3468	rVB	19232831	35568460	54.69%	6.163%
95	23.433	3470	3476	3479	rVV	2999235	5802689	8.92%	1.005%
96	23.480	3480	3484	3493	rVB2	6711971	13353183	20.53%	2.314%
97	25.403	3807	3811	3820	rVB2	1763980	4104150	6.31%	0.711%
98	25.650	3843	3853	3863	rVB	11799757	35571070	54.70%	6.163%
99	25.985	3905	3910	3929	rVB2	1743052	5467874	8.41%	0.947%
100	26.321	3957	3967	3983	rVB	6887513	21343137	32.82%	3.698%

Sum of corrected areas: 577151545

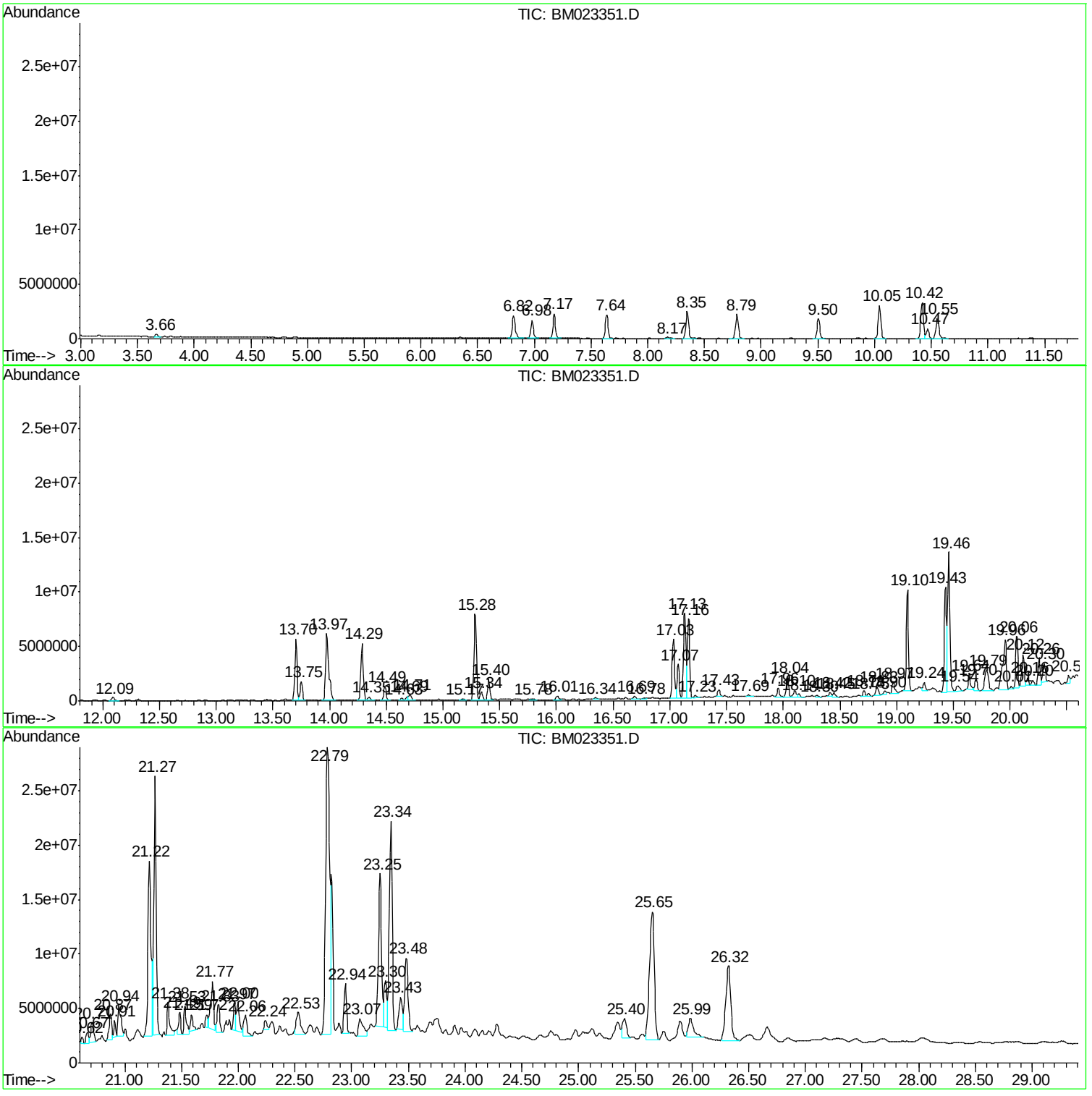
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
Data File : BM023351.D
Acq On : 23 Oct 2019 20:47
Operator : JU
Sample : K5346-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.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\BM102319\
Data File : BM023351.D
Acq On : 23 Oct 2019 20:47
Operator : JU
Sample : K5346-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

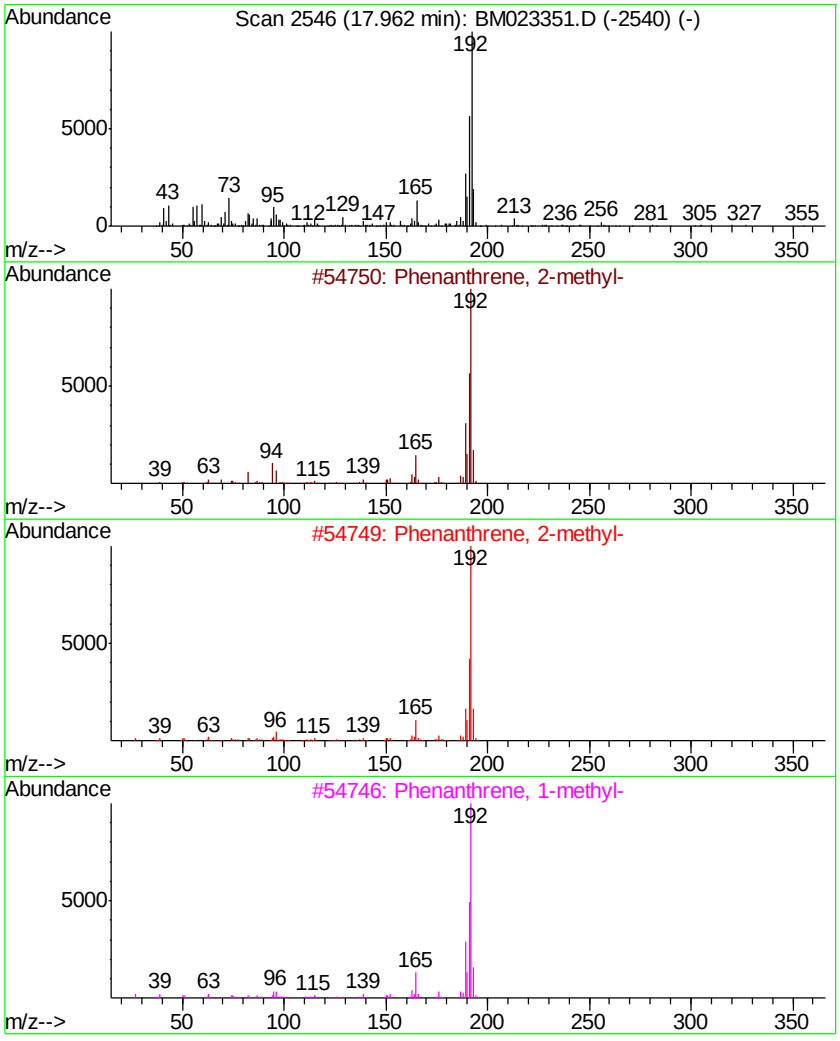
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

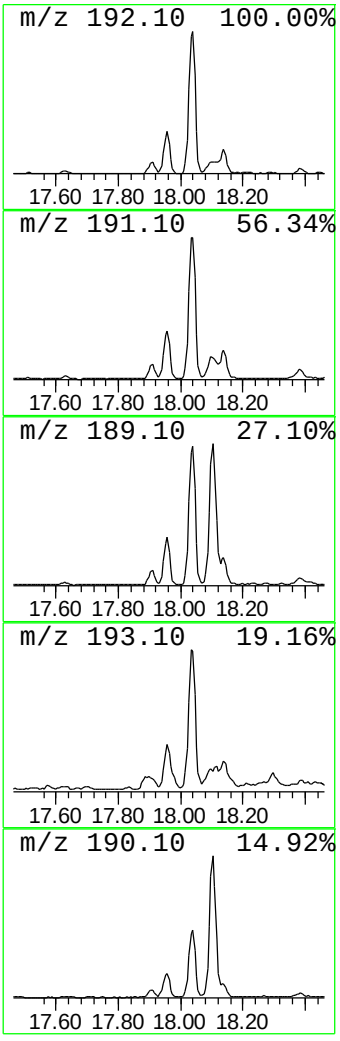
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	2.98 ng/ul	1197470	Phenanthrene-d10	17.03

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





Library Search Compound Report

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Data File : BM023351.D
Acq On : 23 Oct 2019 20:47
Operator : JU
Sample : K5346-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

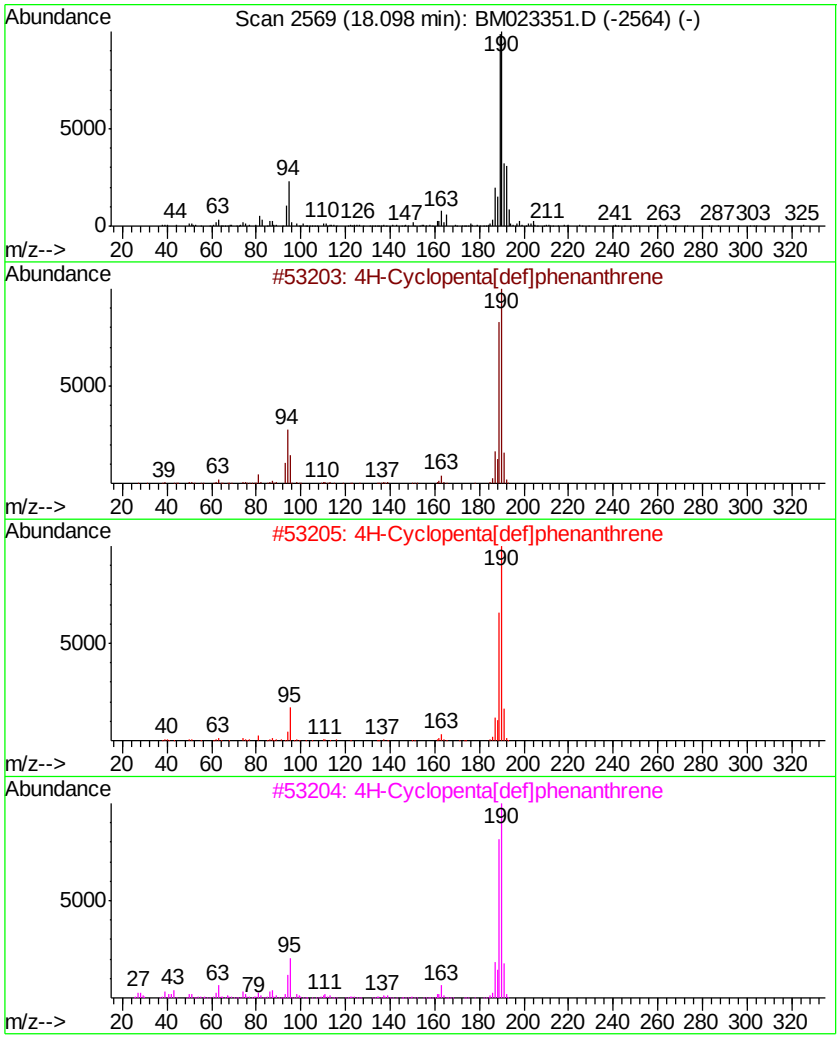
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

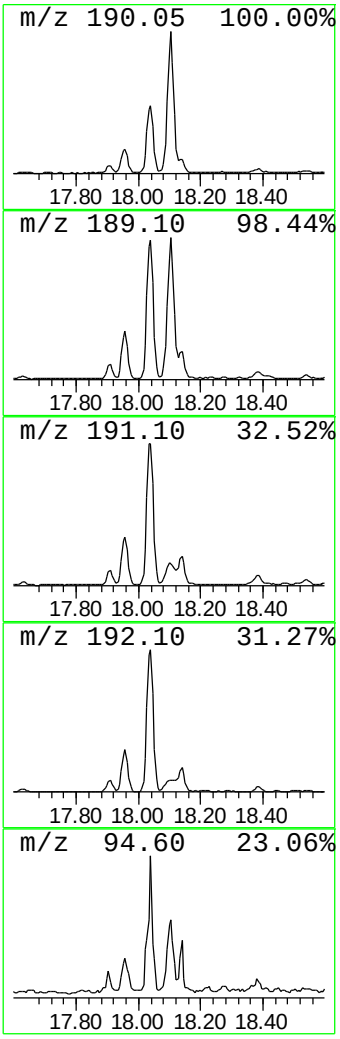
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	2.91 ng/ul	1169740	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47





Library Search Compound Report

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

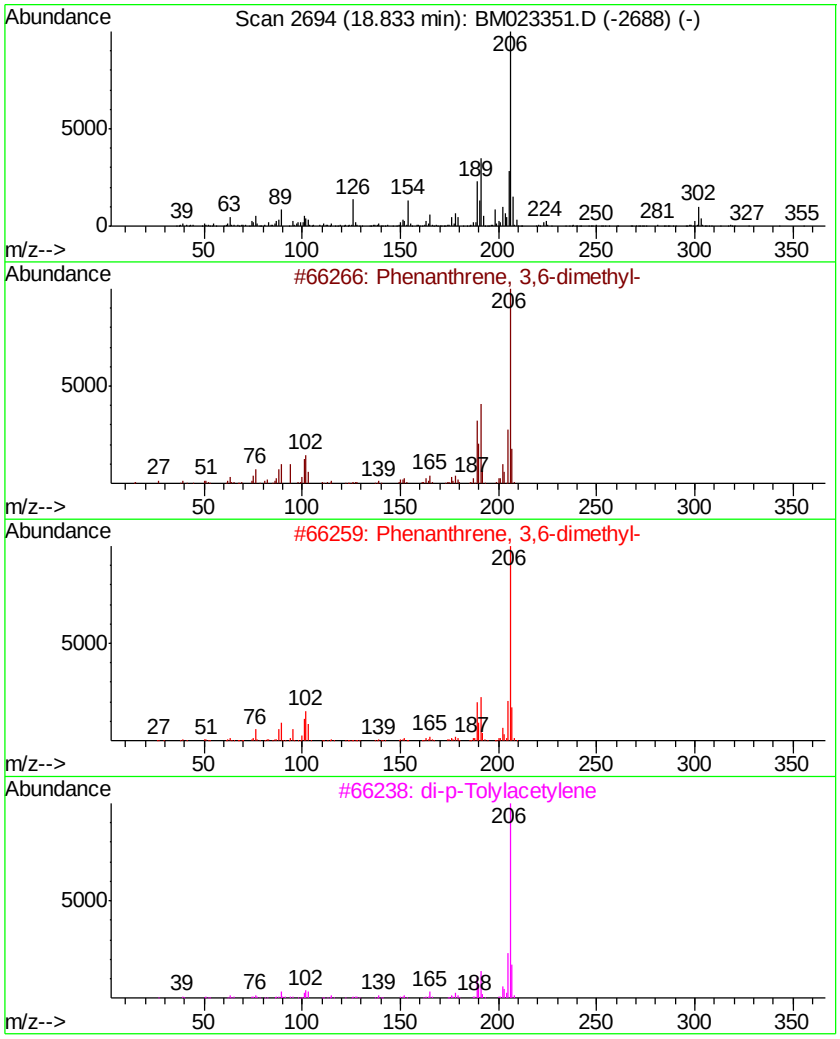
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

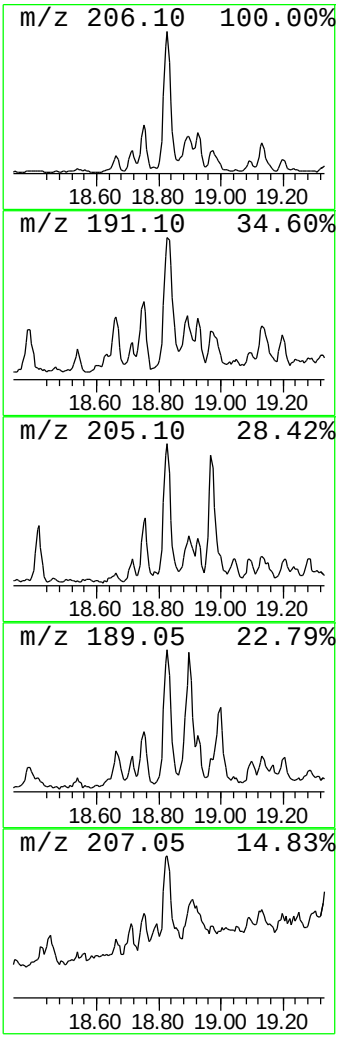
****

Peak Number 4 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	3.35 ng/ul	1346250	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





Library Search Compound Report

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Data File : BM023351.D
Acq On : 23 Oct 2019 20:47
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

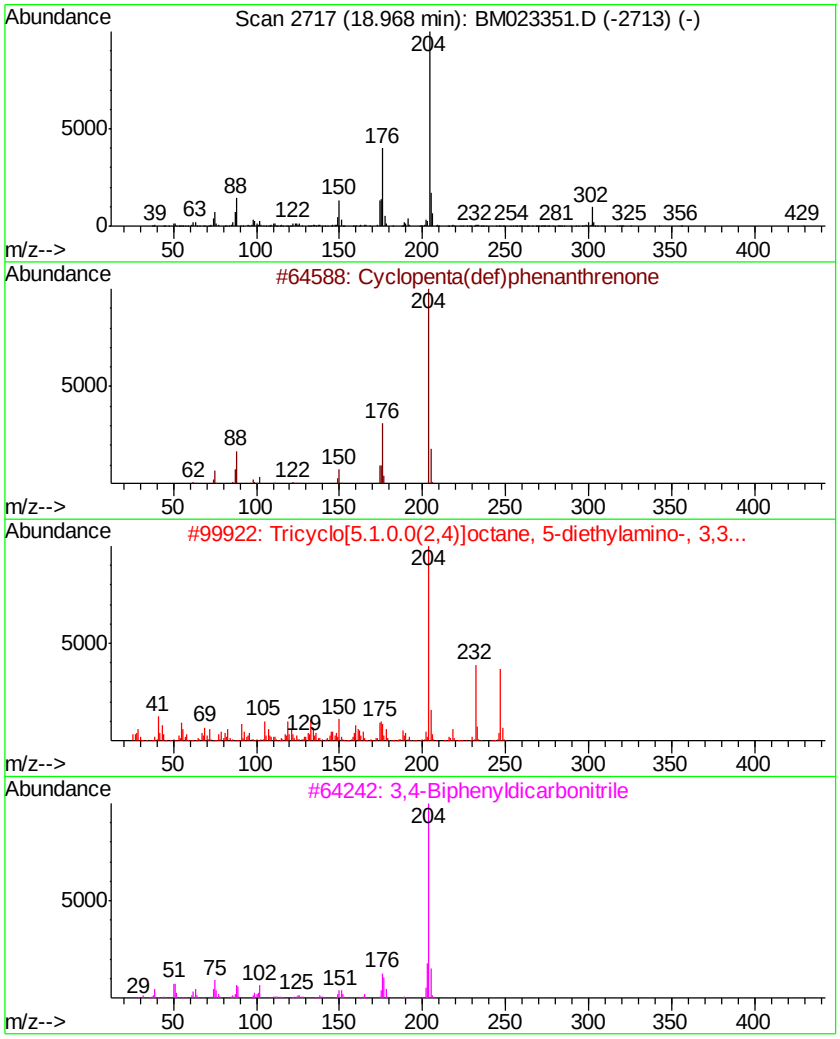
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

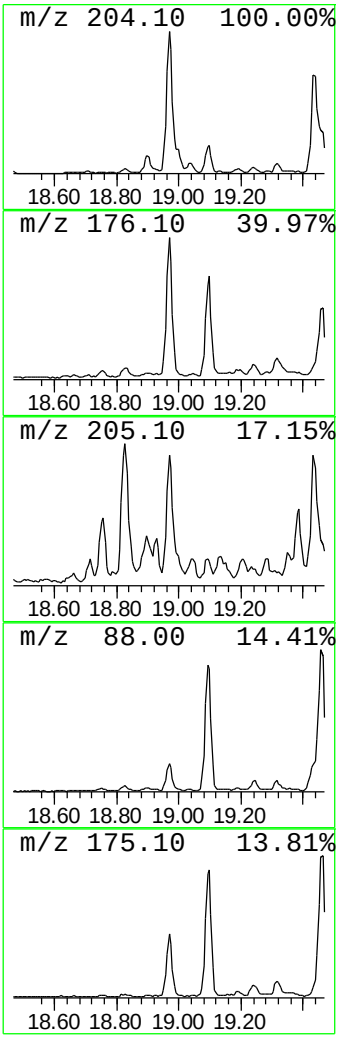
****

Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	4.38 ng/ul	1758970	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
4	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	45
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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Acq On : 23 Oct 2019 20:47
Operator : JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

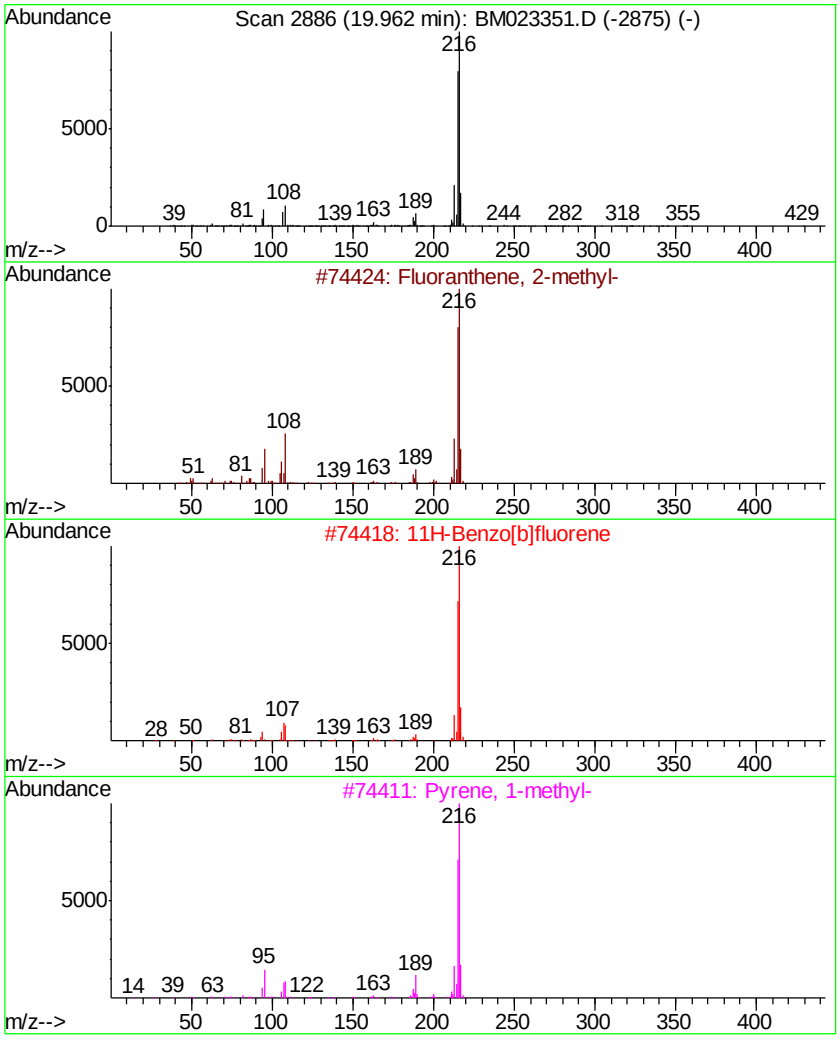
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

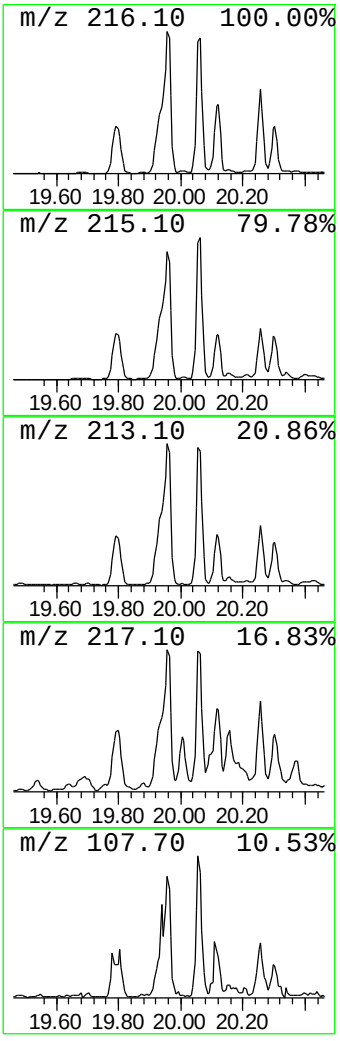
****

Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	7.36 ng/ul	10404700	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93





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Sample : K5346-08
Misc :
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Instrument : BNA_M
ClientSampleId : ETOM1

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Quant Title : SVOA CALIBRATION

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

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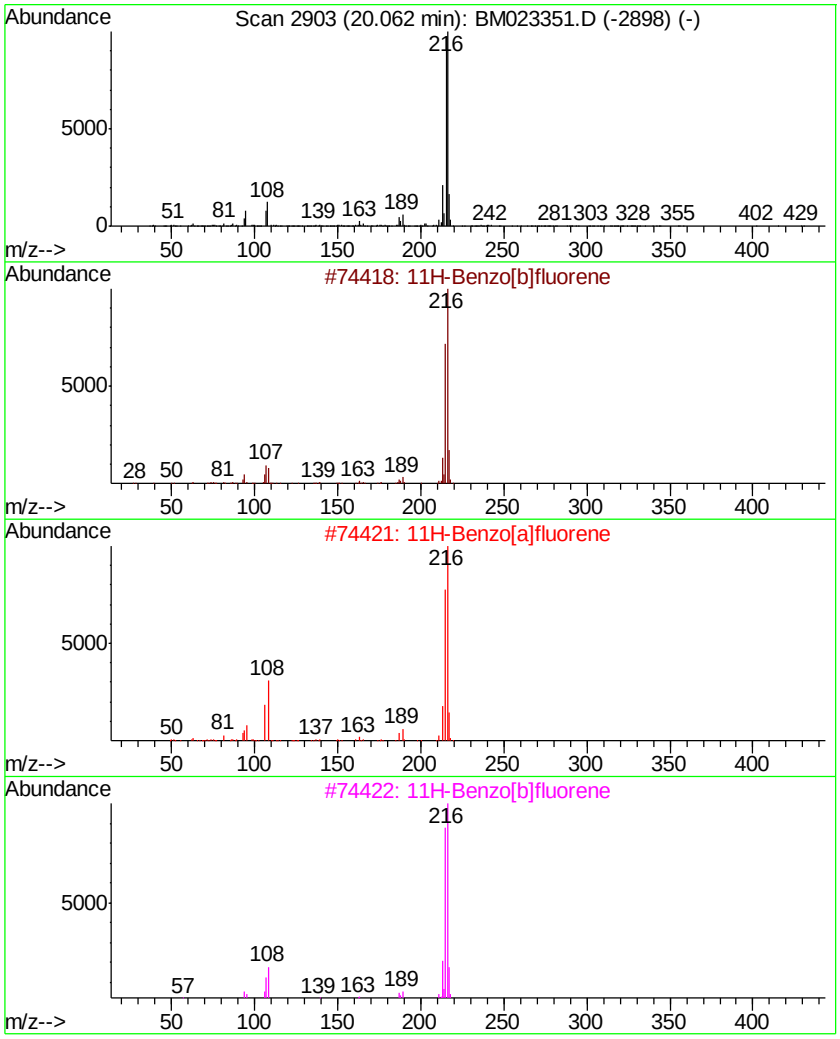
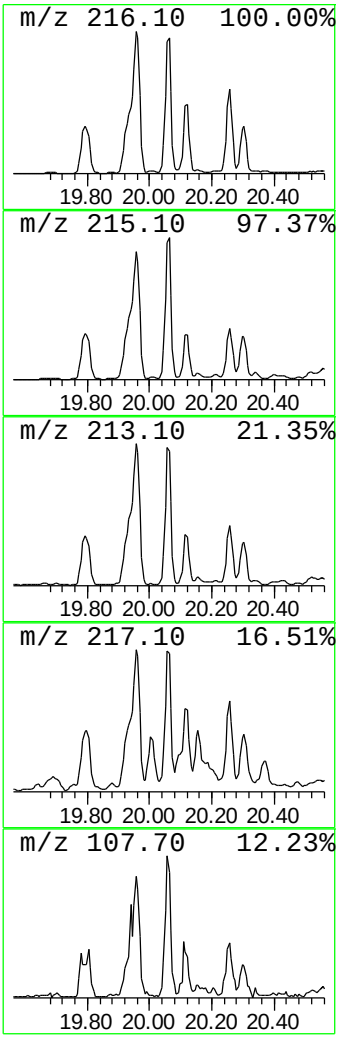
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	4.27 ng/ul	6031440	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Instrument : BNA_M
ClientSampleId : ETOM1

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Quant Title : SVOA CALIBRATION

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

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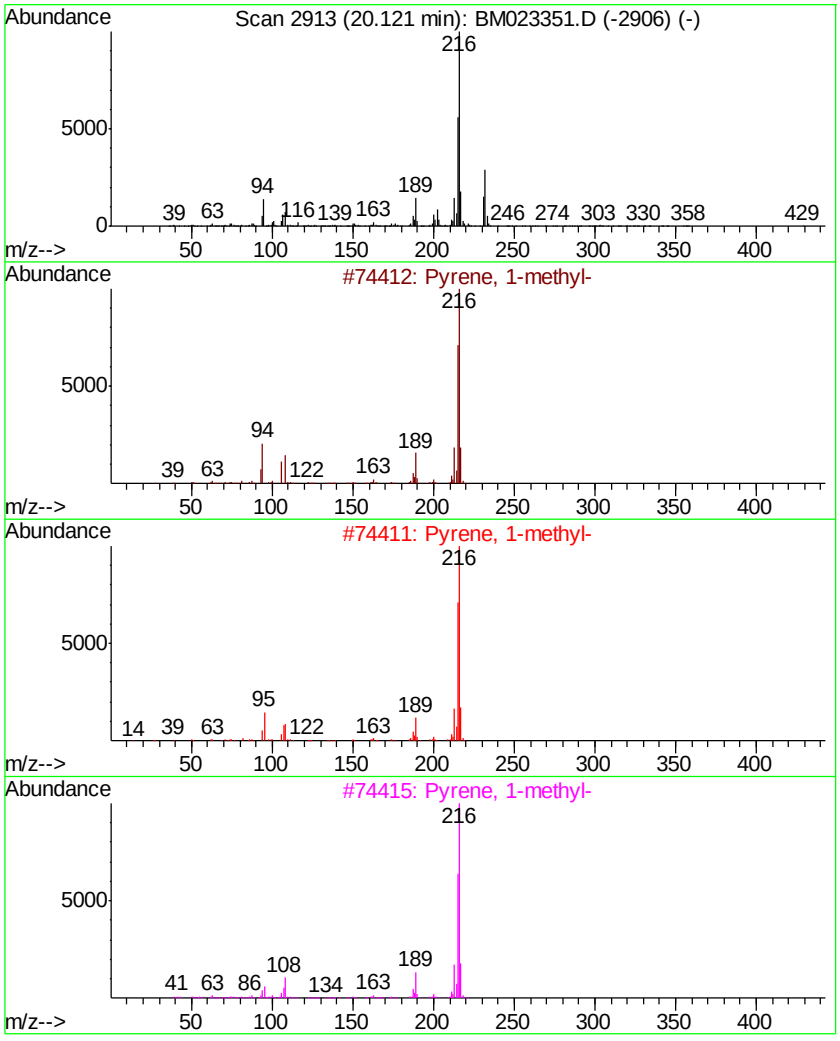
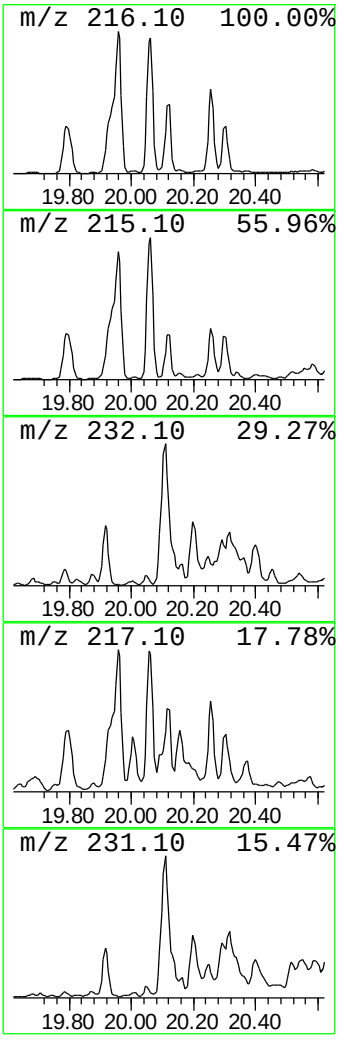
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	3.30 ng/ul	4660660	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





Library Search Compound Report

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ClientSampleId : ETOM1

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Quant Title : SVOA CALIBRATION

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

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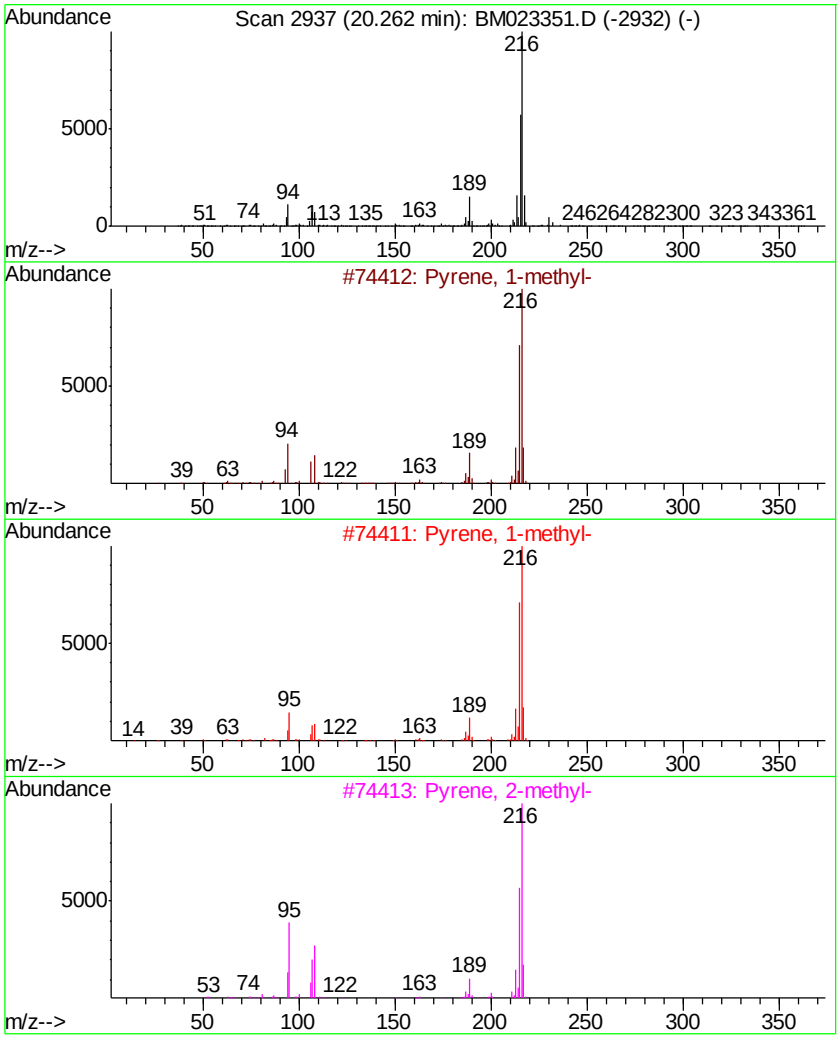
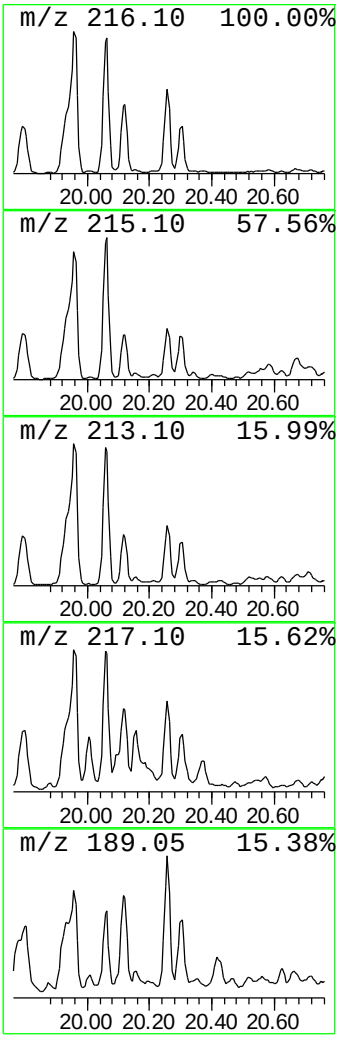
Peak Number 10 Pyrene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.45 ng/ul	3462530	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94





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Misc :
ALS Vial : 4 Sample Multiplier: 1

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ClientSampleId : ETOM1

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Quant Title : SVOA CALIBRATION

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

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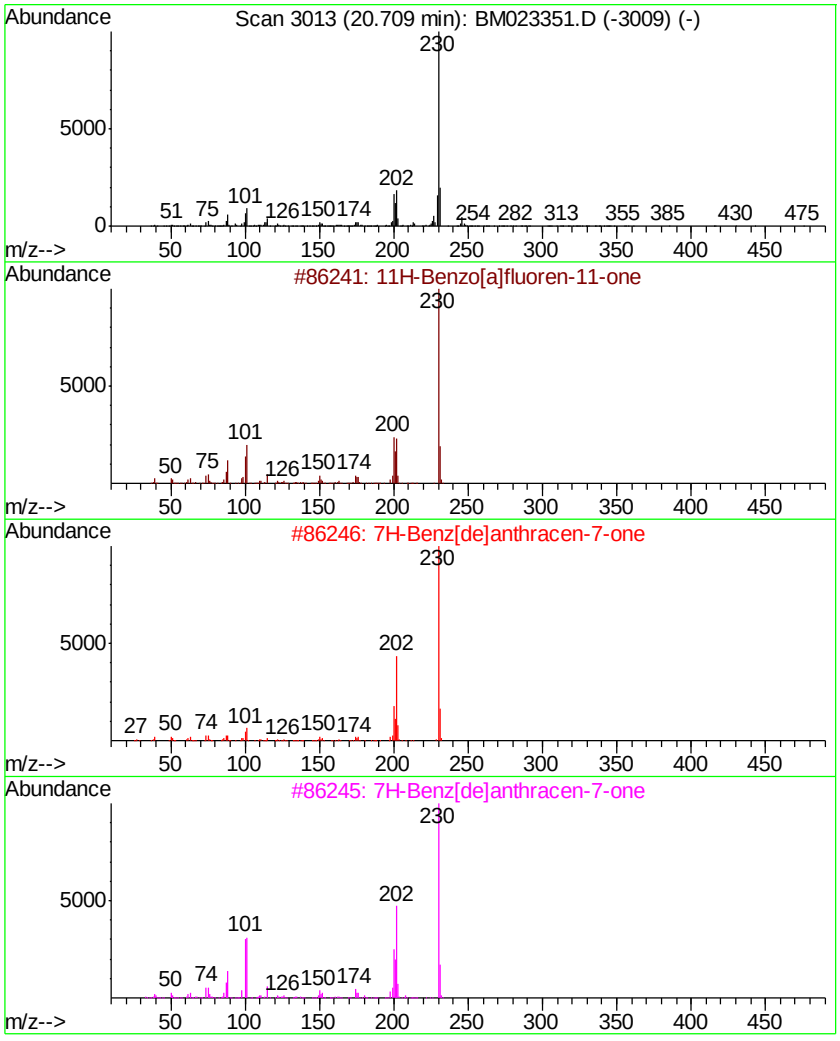
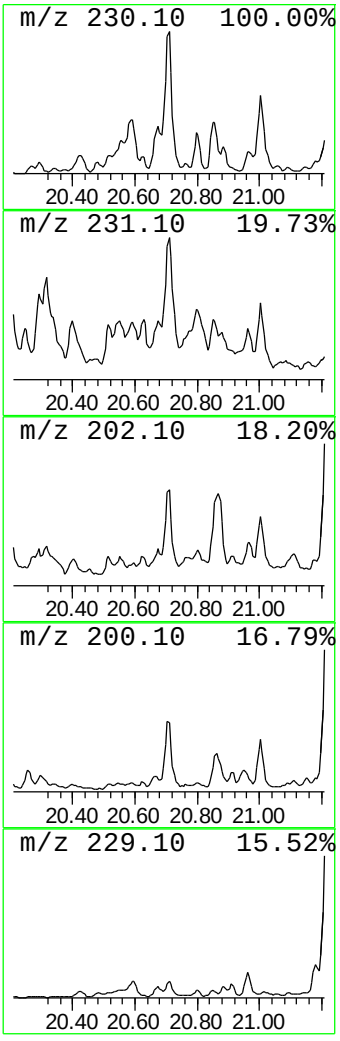
Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.71	2.25 ng/ul	3180270	Chrysene-d12	21.23

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	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	m-Terphenyl	230	C18H14	000092-06-8	72





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Misc :
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Quant Title : SVOA CALIBRATION

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

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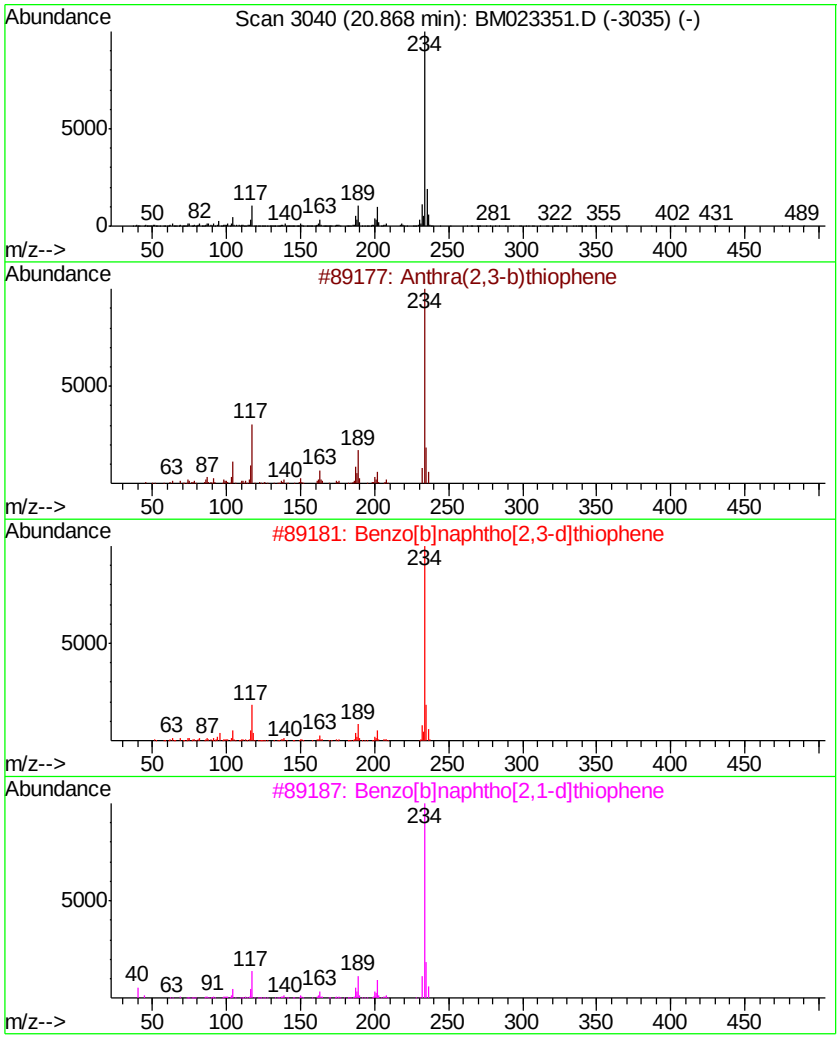
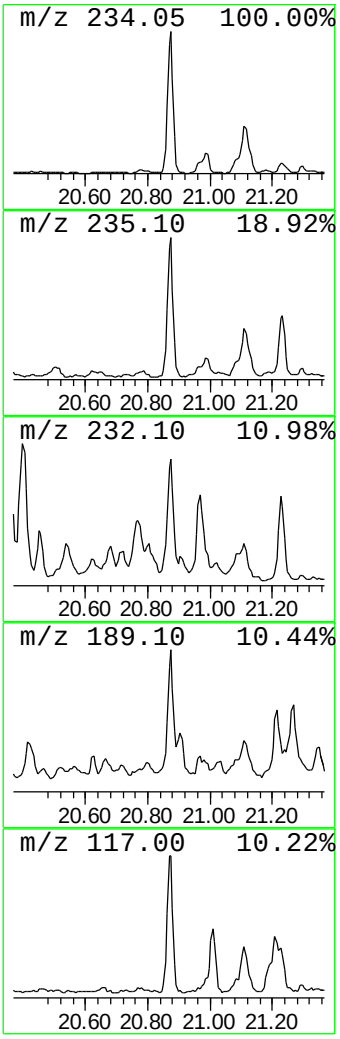
Peak Number 12 Anthra(2,3-b)thiophene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.63 ng/ul	3714490	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	97
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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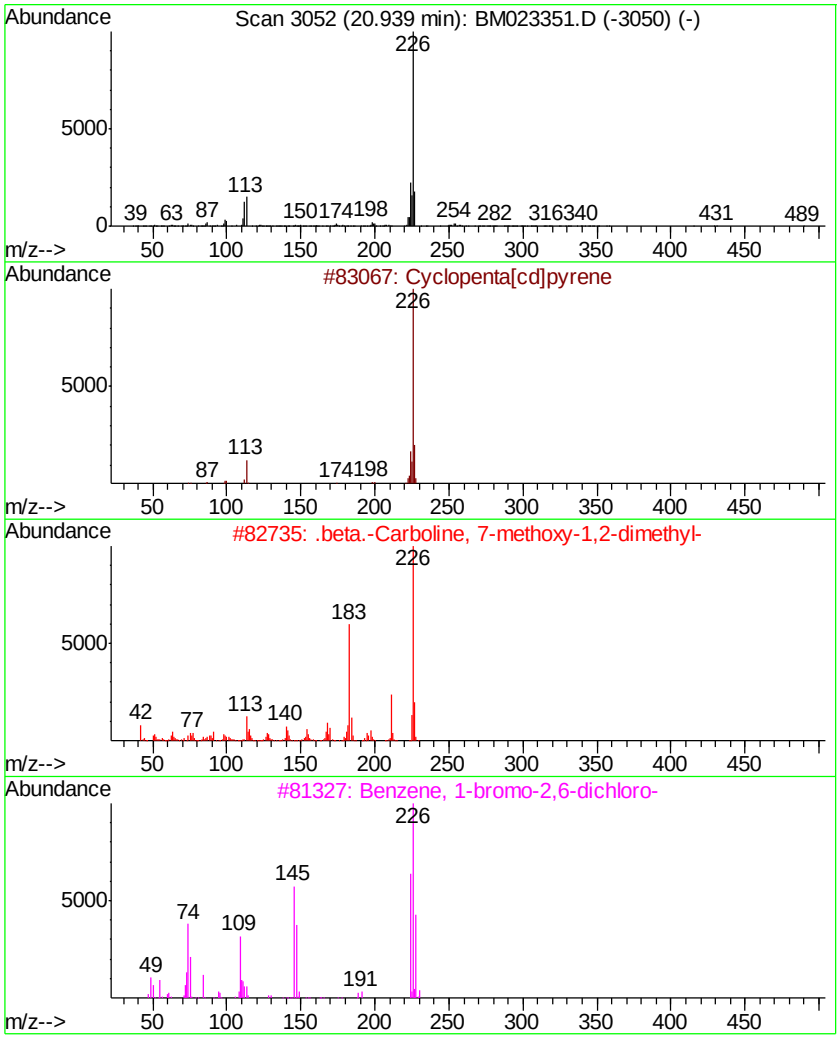
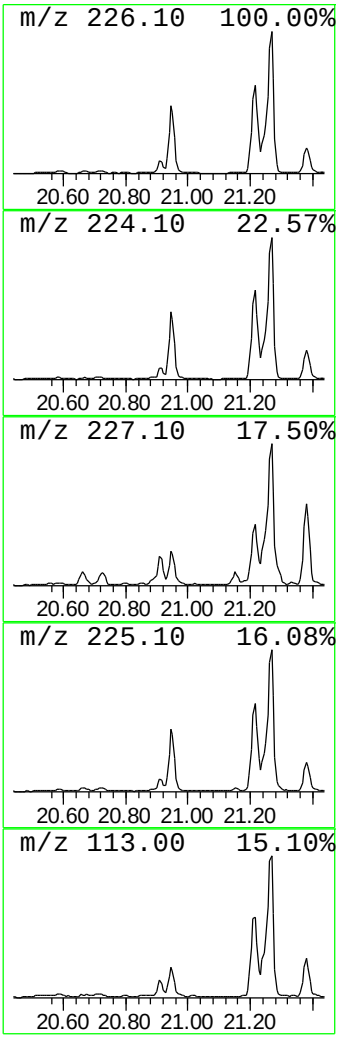
Peak Number 13 Cyclopenta[cd]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	3.71 ng/ul	5244540	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	94
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	45
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	40
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	40





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Misc :
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Instrument : BNA_M
ClientSampleId : ETOM1

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Quant Title : SVOA CALIBRATION

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

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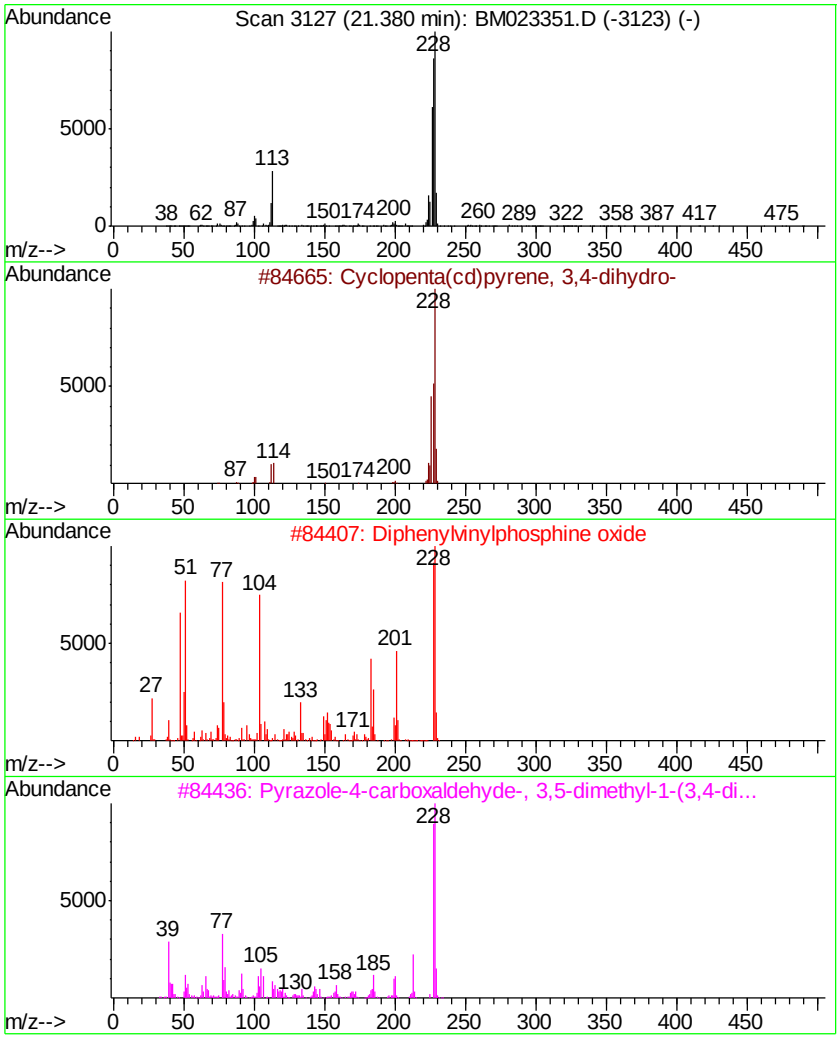
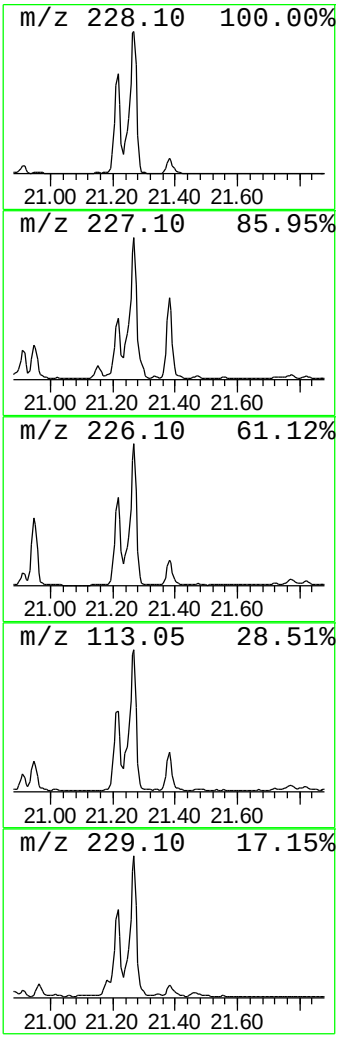
Peak Number 14 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	3.57 ng/ul	5046340	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50





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Instrument : BNA_M
ClientSampleId : ETOM1

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Quant Title : SVOA CALIBRATION

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

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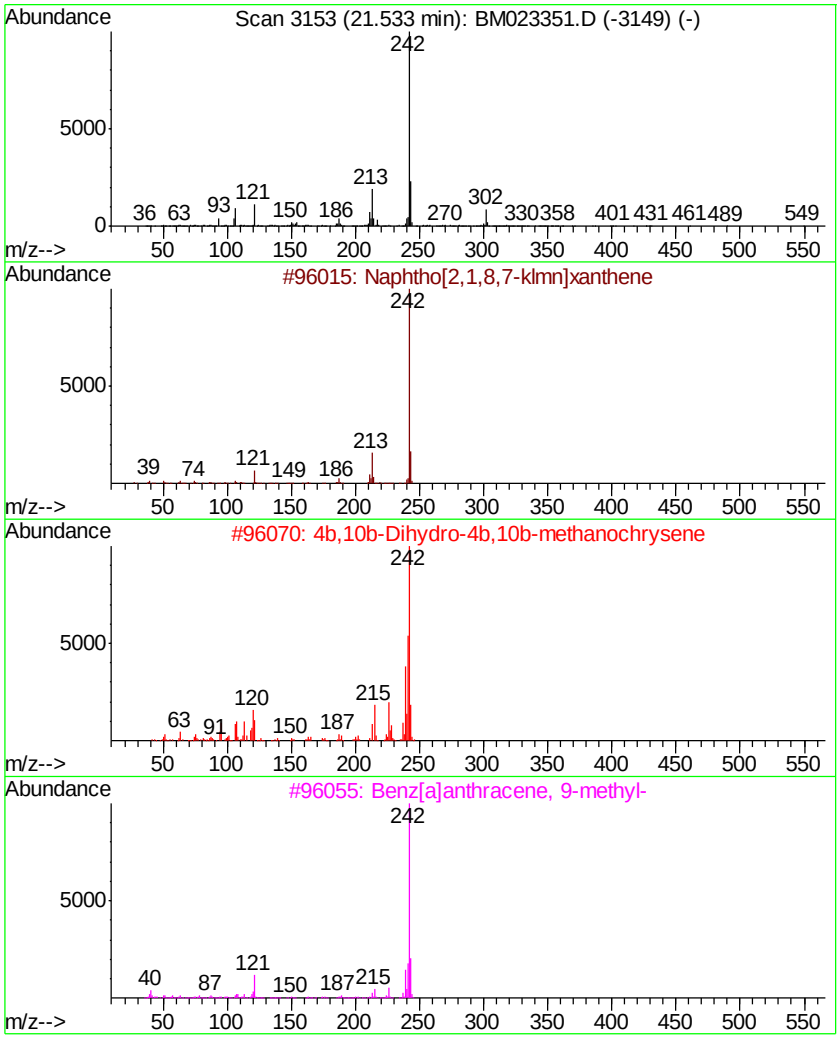
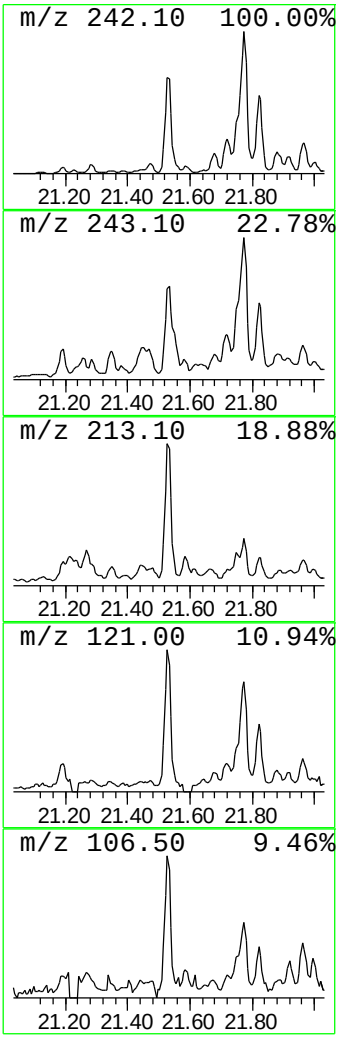
Peak Number 15 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	3.07 ng/ul	4346500	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	93
2	4b,10b-Dihydro-4b,10b-methanochr...	242	C19H14	071949-03-6	59
3	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	53
4	Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	53
5	2,2'-(m-Phenylene)dithiophene	242	C14H10S2	104500-00-7	53





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Quant Title : SVOA CALIBRATION

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

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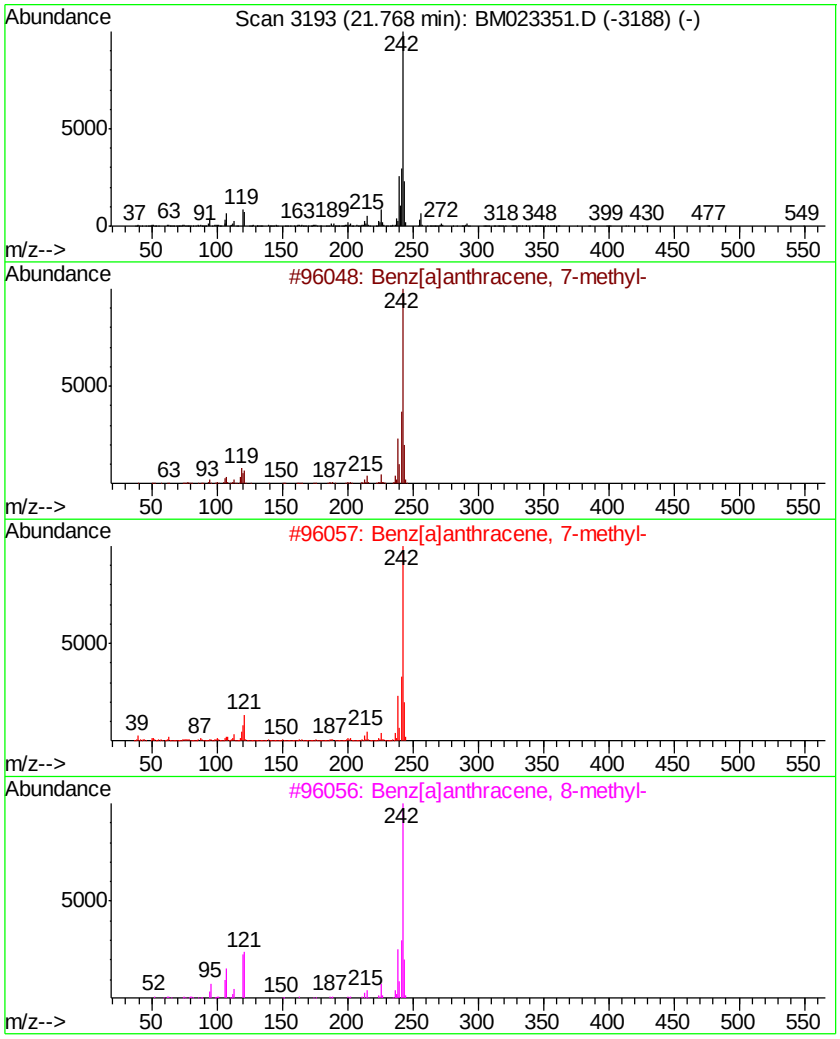
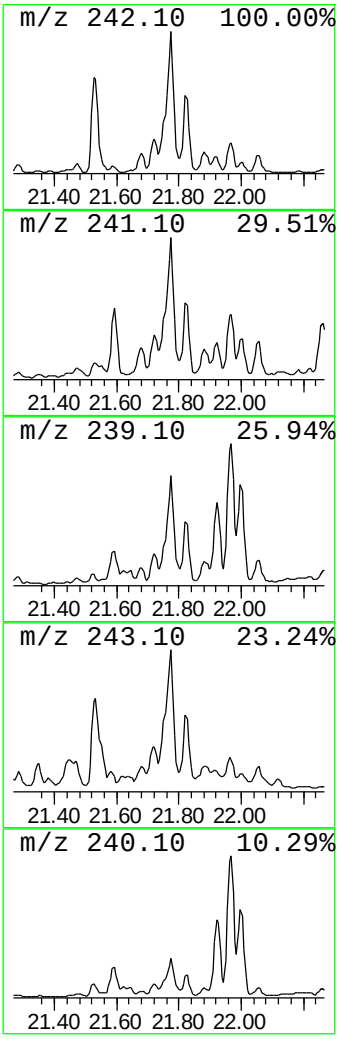
Peak Number 16 Benz[a]anthracene, 7-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	5.52 ng/ul	7799870	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90





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Quant Title : SVOA CALIBRATION

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

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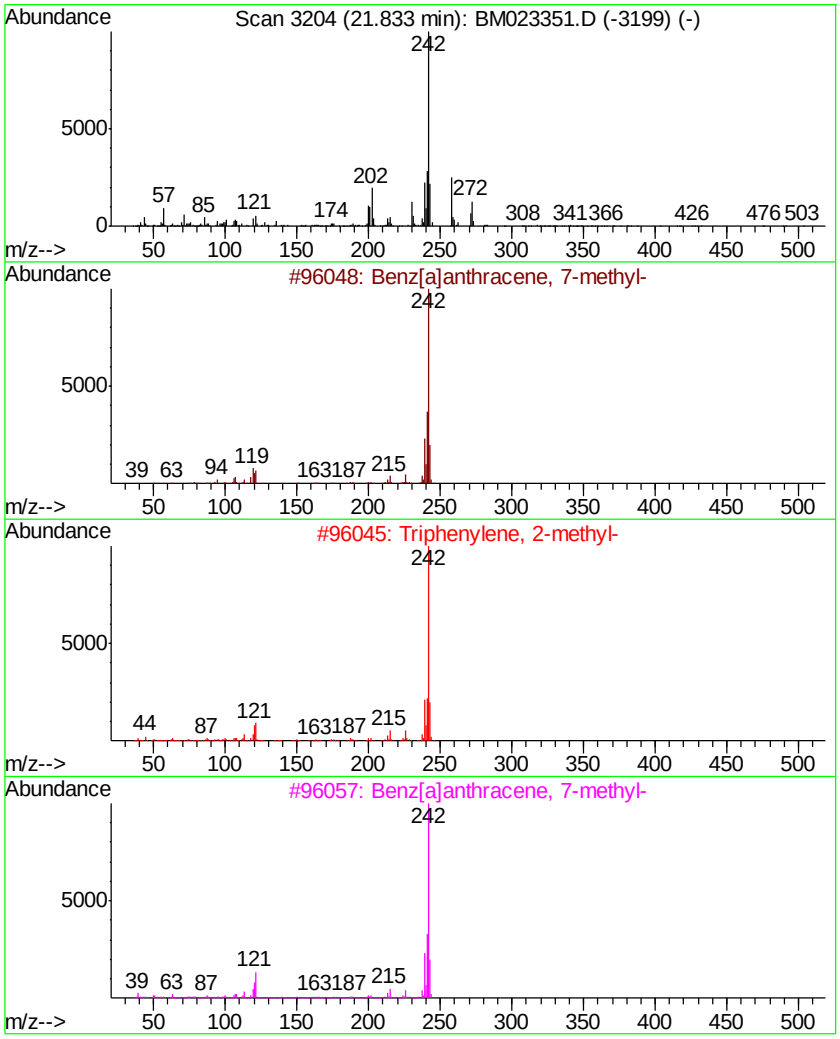
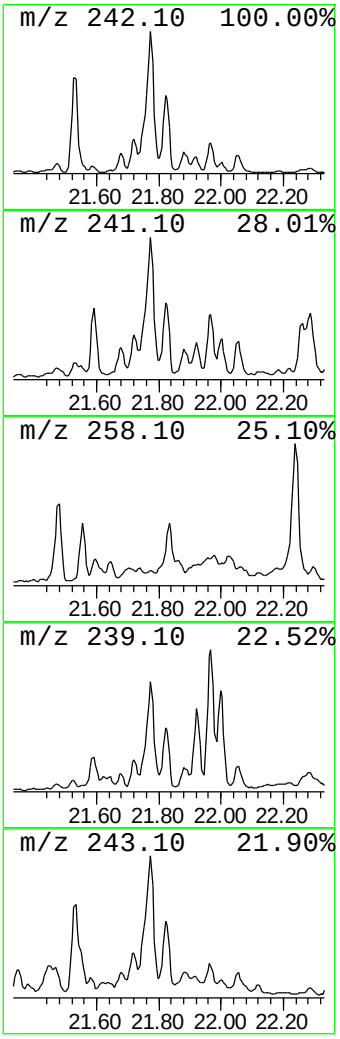
Peak Number 17 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.86 ng/ul	4041720	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
4	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	70
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	70





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Quant Title : SVOA CALIBRATION

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

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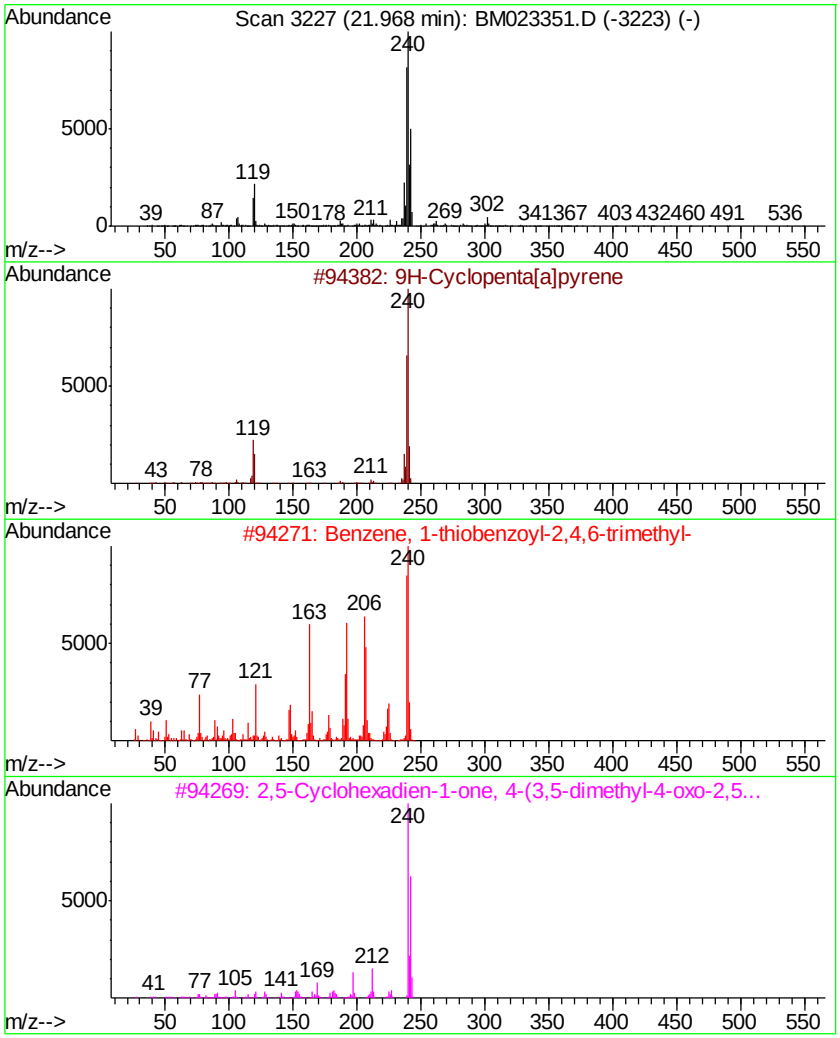
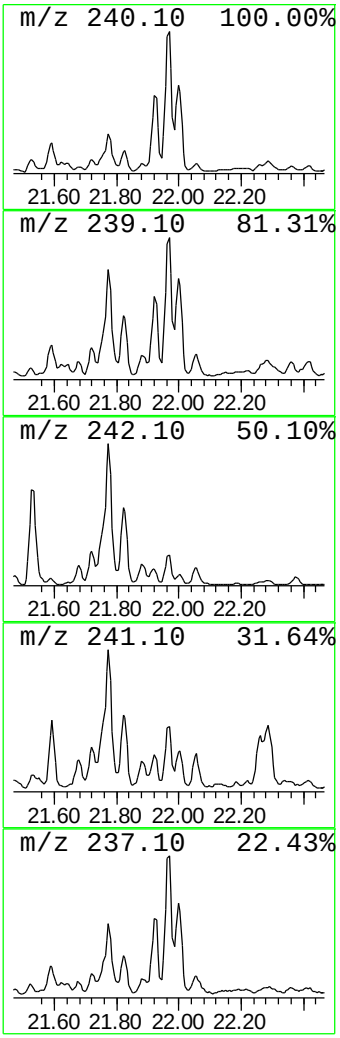
Peak Number 18 9H-Cyclopenta[a]pyrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.97	2.57 ng/ul	3635330	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	87
2	Benzene, 1-thiobenzoyl-2,4,6-tri...	240	C16H16S	001143-29-9	46
3	2,5-Cyclohexadien-1-one, 4-(3,5-...	240	C16H16O2	004906-22-3	35
4	o-(p-(Dimethylamino)benzylidenea...	240	C15H16N2O	023837-35-6	33
5	5-Methyl-4-(1-naphthyl)-2-thiazo...	240	C14H12N2S	107411-05-2	28





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
Data File : BM023351.D
Acq On : 23 Oct 2019 20:47
Operator : JU
Sample : K5346-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : ETOM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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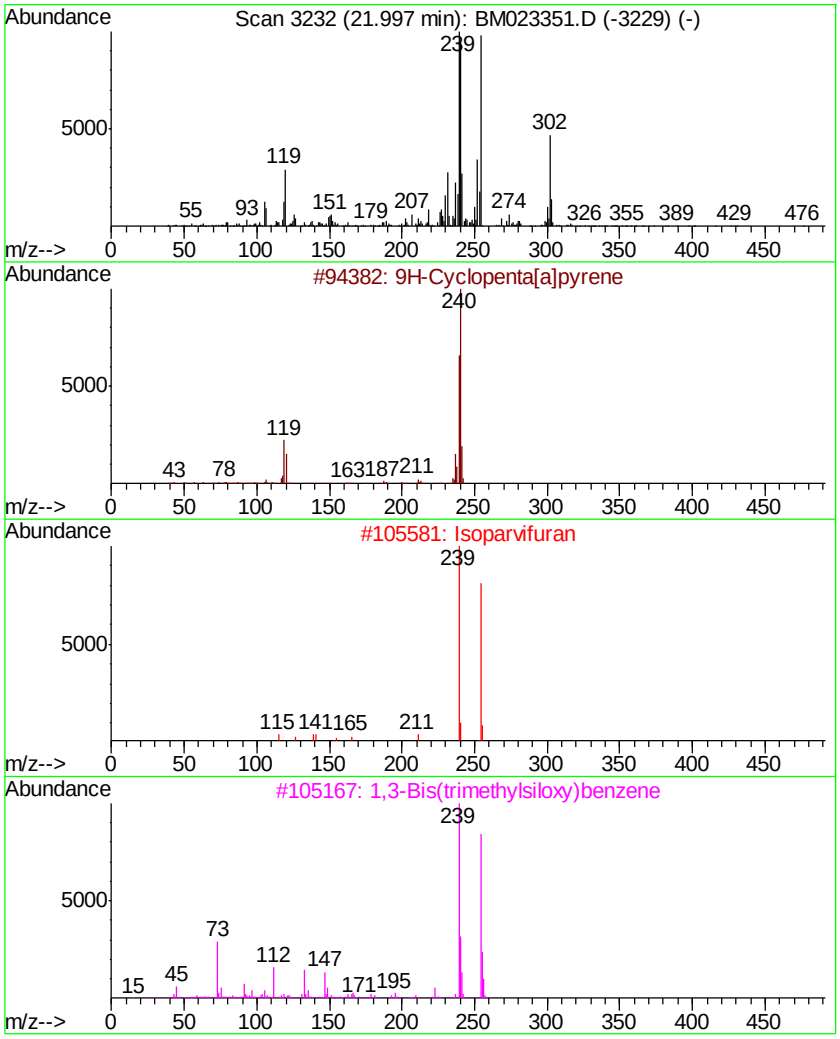
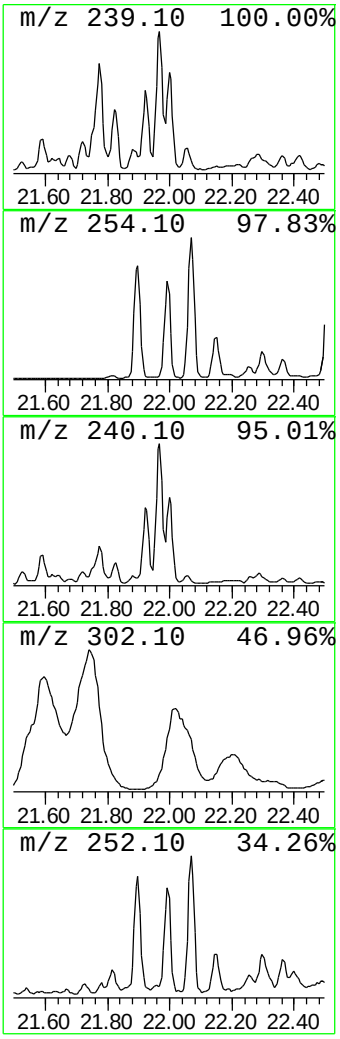
Peak Number 19 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.00	2.99 ng/ul	4230830	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	30
2	Isoparvifuran	254	C16H14O3	078134-83-5	27
3	1,3-Bis(trimethylsiloxy)benzene	254	C12H22O2Si2	004520-29-0	25
4	Lorazepam	320	C15H10Cl2N2O2	000846-49-1	22
5	5,6-Dimethyl-4-phenyl-3-cyanopyr...	240	C14H12N2S	094639-18-6	16





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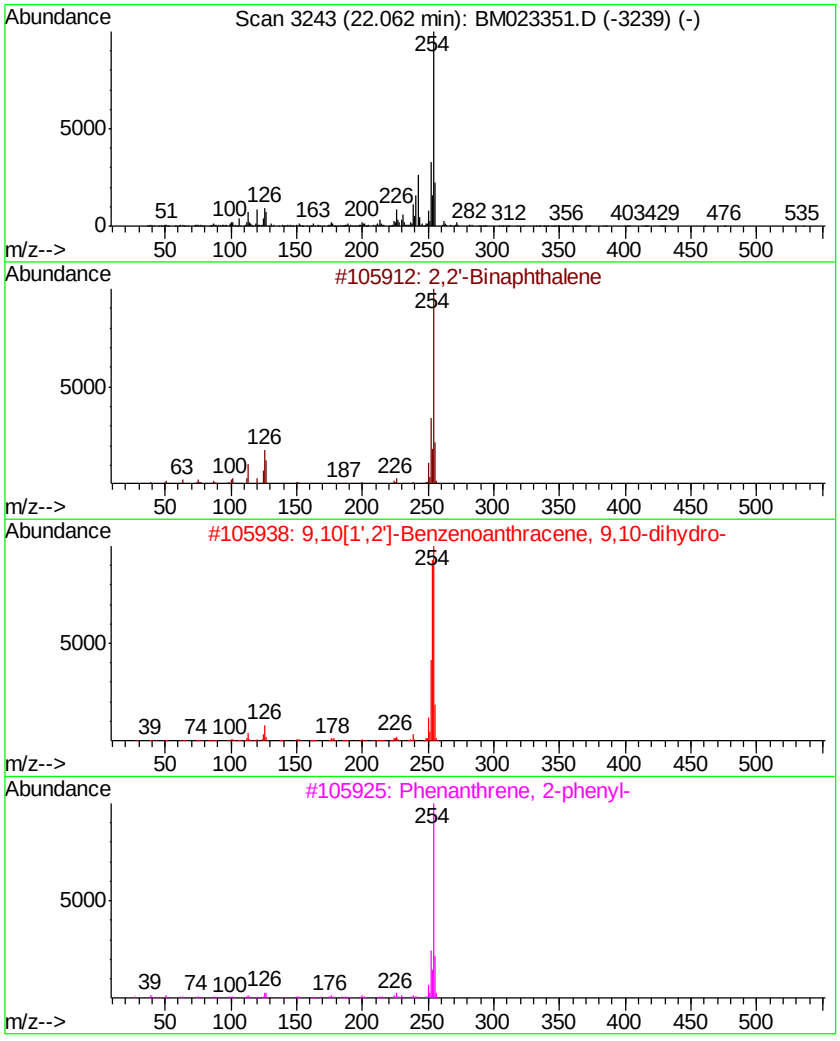
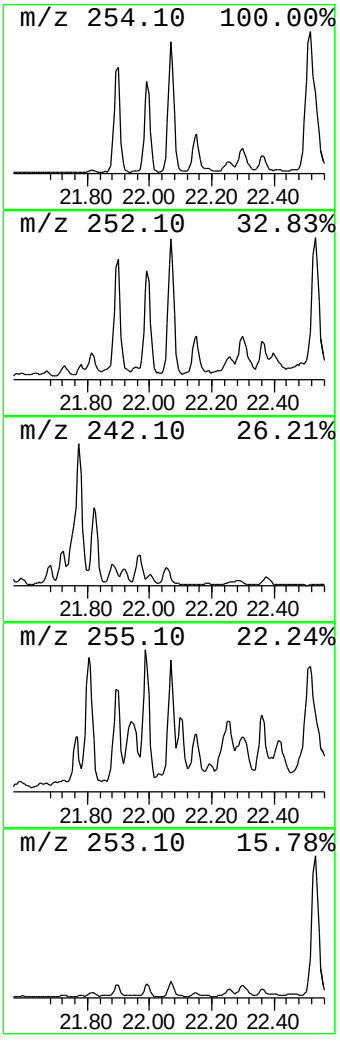
Peak Number 20 2,2'-Binaphthalene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.06	2.67 ng/ul	3774200	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Binaphthalene	254	C20H14	000612-78-2	64
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	60
3	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	60
4	Benzene, 1,1'-(1-propene-1,3-div...	254	C17H18O2	1000362-20-9	47
5	1-Propene, 1,2-bis(4-methoxyphen...	254	C17H18O2	020802-02-2	47





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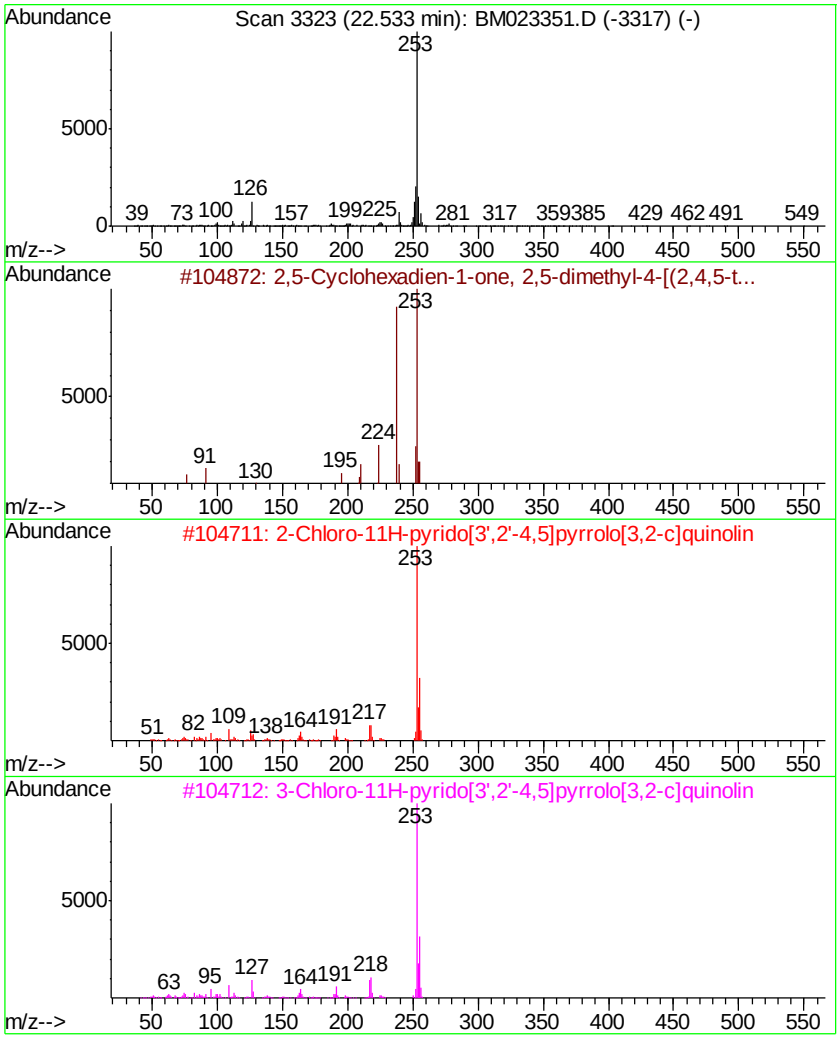
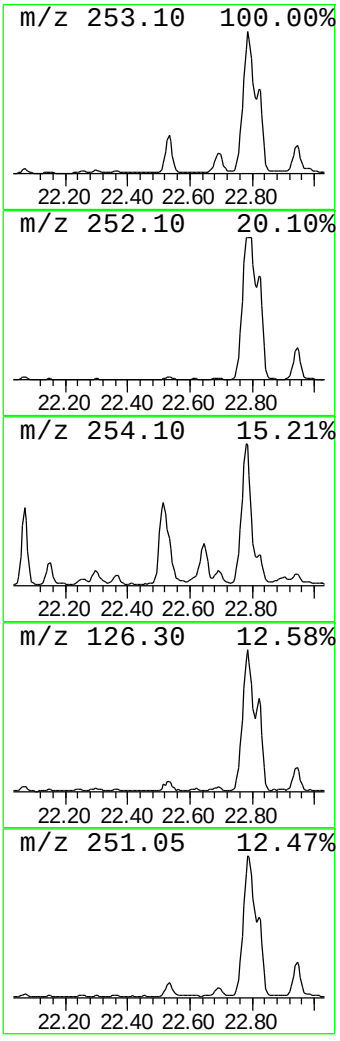
Peak Number 21 2,5-Cyclohexadien-1-one, 2,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.53	17.36 ng/ul	5038130	Perylene-d12	23.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadien-1-one, 2,5-dim...	253	C17H19NO	054245-93-1	59
2	2-Chloro-11H-pyrido[3',2'-4,5]py...	253	C14H8ClN3	1000212-59-3	53
3	3-Chloro-11H-pyrido[3',2'-4,5]py...	253	C14H8ClN3	1000212-59-4	50
4	6-Methyl-2-(3-nitrophenyl)imidaz...	253	C14H11N3O2	1000224-30-4	40
5	1'-Acetylferrocenecarbonitrile	253	C13H11FeNO	012276-85-6	40





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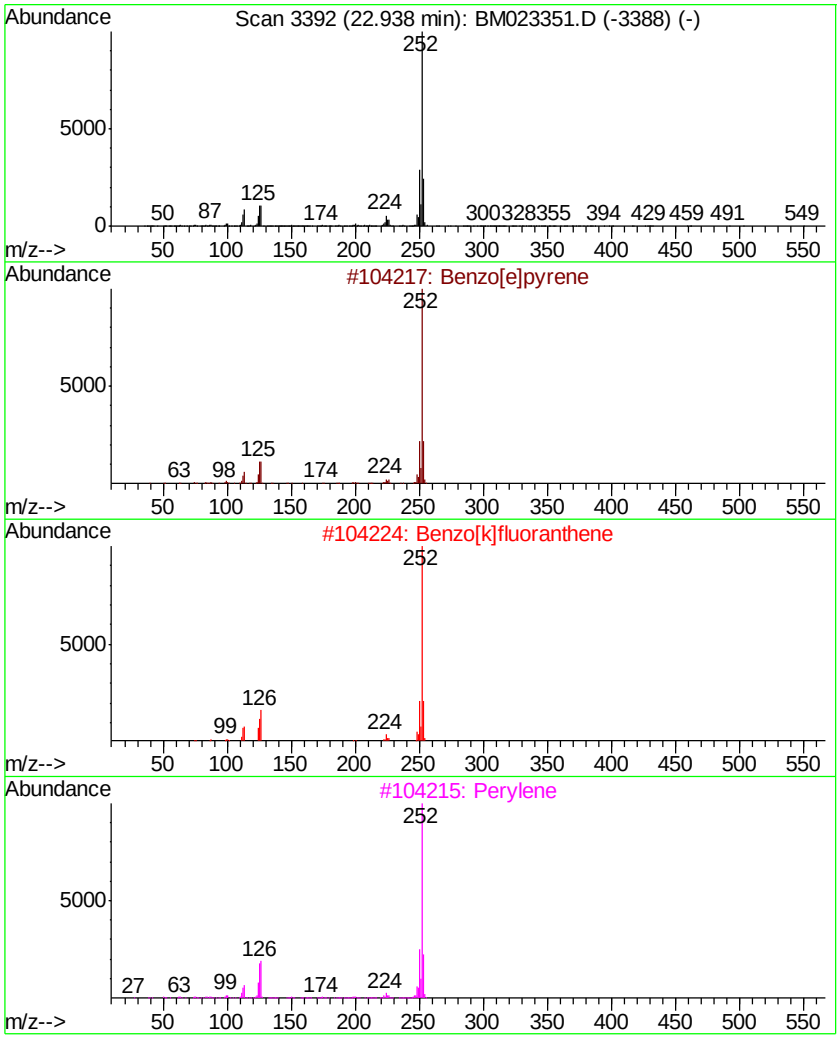
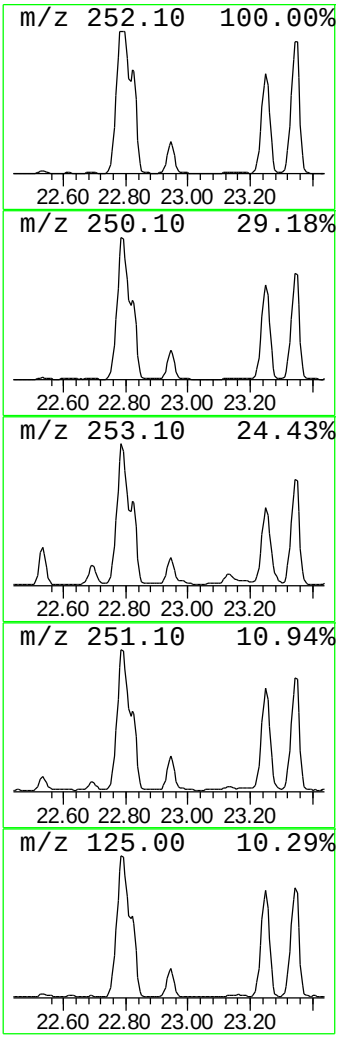
Peak Number 22 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.94	24.68 ng/ul	7161820	Perylene-d12	23.43

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	Perylene	252	C20H12	000198-55-0	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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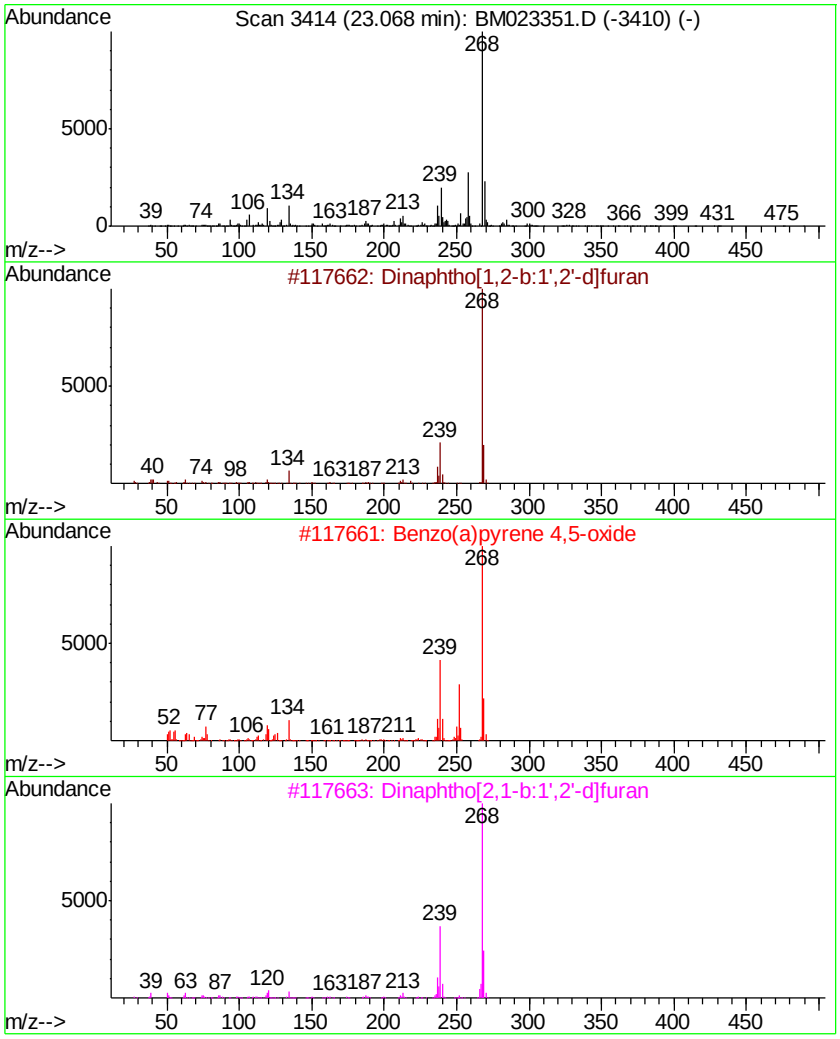
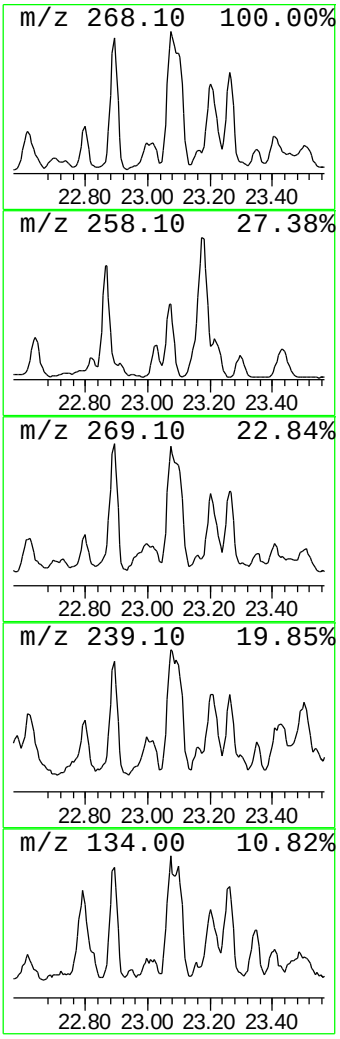
Peak Number 23 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.07	15.72 ng/ul	4561460	Perylene-d12	23.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	90
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	74
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	58
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53





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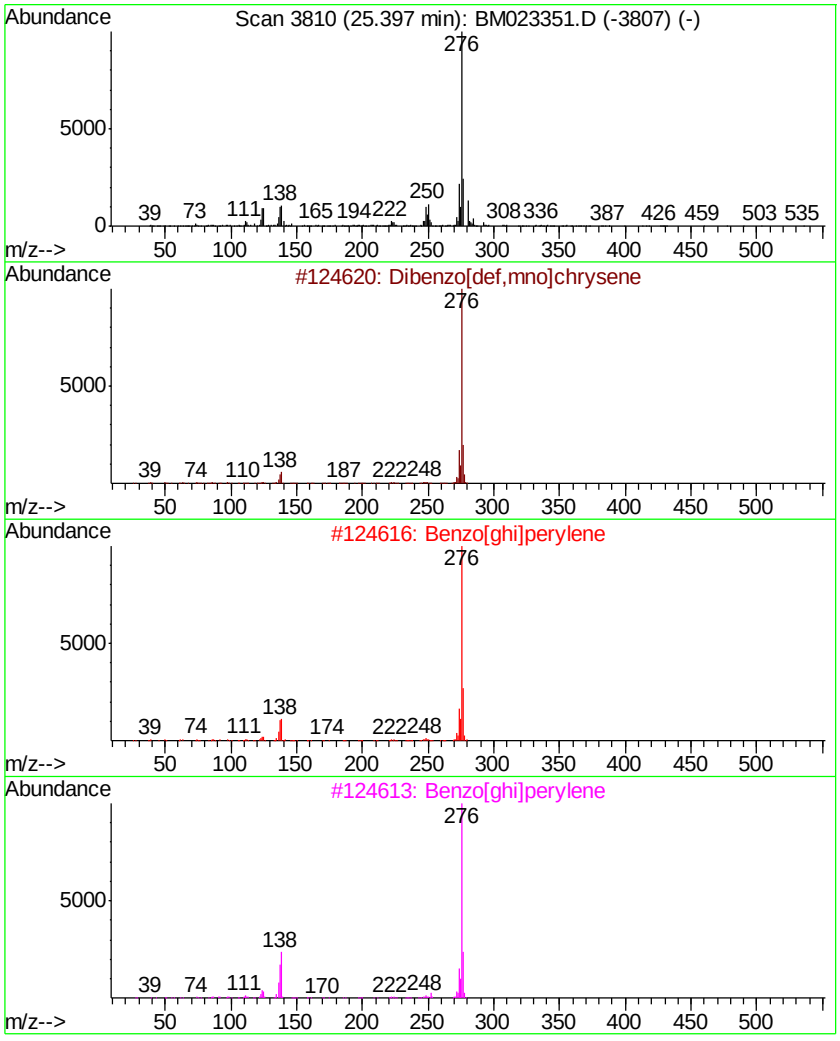
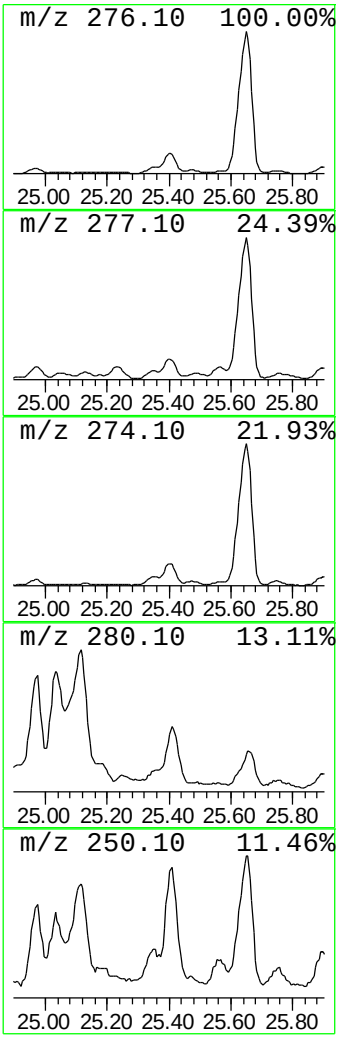
Peak Number 24 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.40	14.15 ng/ul	4104150	Perylene-d12	23.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	78
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	64
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	64
4	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	64
5	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	60





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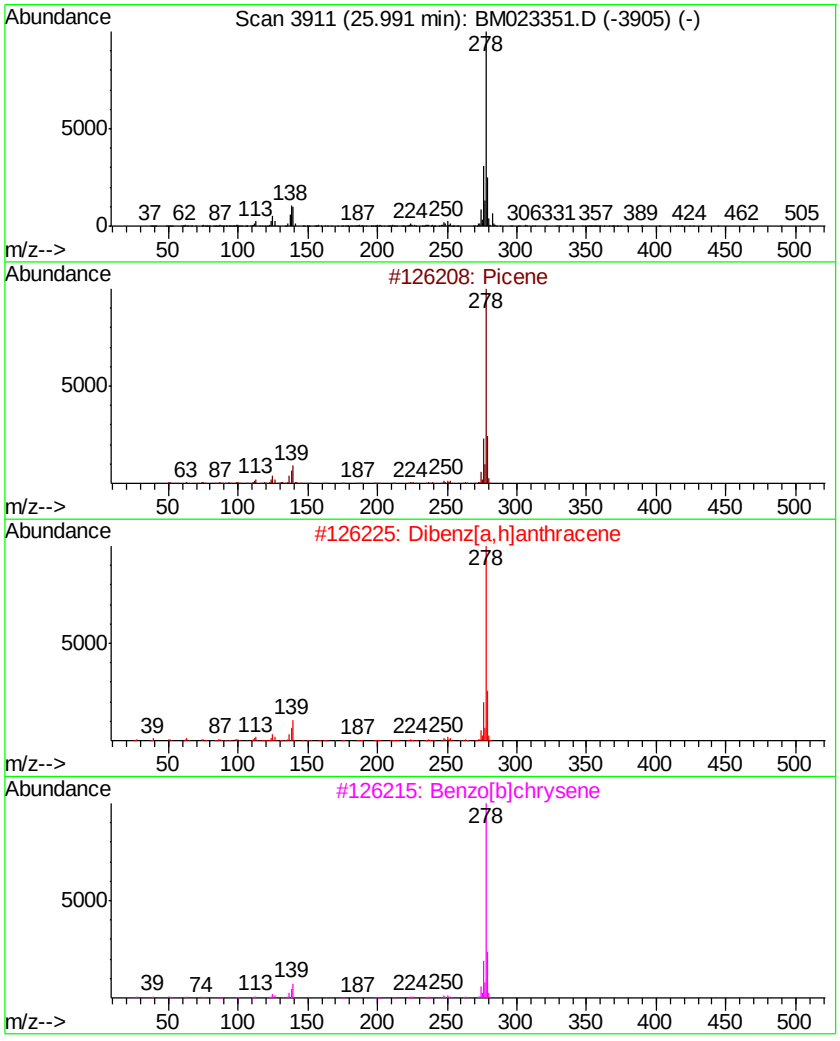
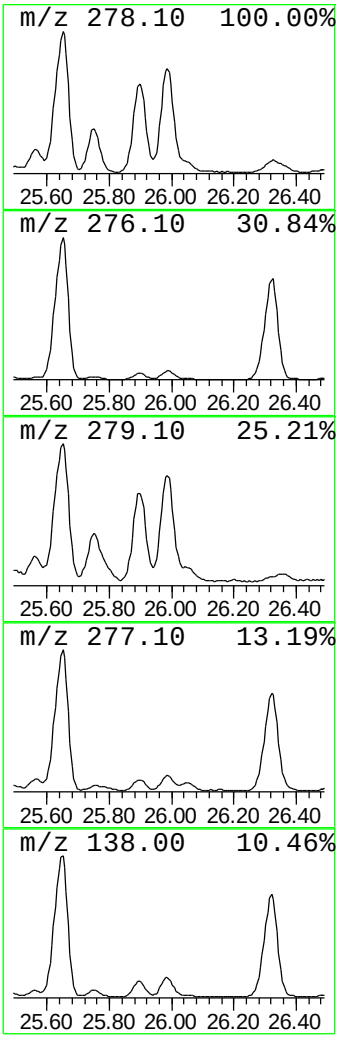
Peak Number 25 Picene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.99	18.85 ng/ul	5467870	Perylene-d12	23.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	99
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Benzo[b]chrysene	278	C22H14	000214-17-5	98
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
5	Pentaphene	278	C22H14	000222-93-5	95





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 2-m...	17.96	3.0	ng/ul	1197470	4	17.03	8032030	20.0
4H-Cyclopenta[def...	18.10	2.9	ng/ul	1169740	4	17.03	8032030	20.0
Phenanthrene, 3,6...	18.83	3.4	ng/ul	1346250	4	17.03	8032030	20.0
Cyclopenta(def)ph...	18.97	4.4	ng/ul	1758970	4	17.03	8032030	20.0
Fluoranthene, 2-m...	19.96	7.4	ng/ul	10404700	5	21.23	28274100	20.0
11H-Benzo[b]fluorene	20.06	4.3	ng/ul	6031440	5	21.23	28274100	20.0
Pyrene, 1-methyl-	20.12	3.3	ng/ul	4660660	5	21.23	28274100	20.0
Pyrene, 2-methyl-	20.26	2.5	ng/ul	3462530	5	21.23	28274100	20.0
11H-Benzo[a]fluor...	20.71	2.3	ng/ul	3180270	5	21.23	28274100	20.0
Anthra(2,3-b)thio...	20.87	2.6	ng/ul	3714490	5	21.23	28274100	20.0
Cyclopenta[cd]pyrene	20.94	3.7	ng/ul	5244540	5	21.23	28274100	20.0
Cyclopenta(cd)pyr...	21.38	3.6	ng/ul	5046340	5	21.23	28274100	20.0
Naphtho[2,1,8,7-k...	21.53	3.1	ng/ul	4346500	5	21.23	28274100	20.0
Benz[a]anthracene...	21.77	5.5	ng/ul	7799870	5	21.23	28274100	20.0
Triphenylene, 2-m...	21.83	2.9	ng/ul	4041720	5	21.23	28274100	20.0
9H-Cyclopenta[a]p...	21.97	2.6	ng/ul	3635330	5	21.23	28274100	20.0
unknown-01	22.00	3.0	ng/ul	4230830	5	21.23	28274100	20.0
2,2'-Binaphthalene	22.06	2.7	ng/ul	3774200	5	21.23	28274100	20.0
2,5-Cyclohexadien...	22.53	17.4	ng/ul	5038130	6	23.43	5802690	20.0
Benzo[e]pyrene	22.94	24.7	ng/ul	7161820	6	23.43	5802690	20.0
Dinaphtho[1,2-b:1...	23.07	15.7	ng/ul	4561460	6	23.43	5802690	20.0
Dibenzo[def,mno]c...	25.40	14.2	ng/ul	4104150	6	23.43	5802690	20.0
Picene	25.99	18.9	ng/ul	5467870	6	23.43	5802690	20.0