LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028689.D
Acq On : 09 Feb 2021 17:53
Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

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-BM011621MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.069	689	694	704	rBB2	26260	46111	0.90%	0.091%
2	7.428	749	755	762	rBB	31123	48061	0.93%	0.095%
3	7.892	828	834	842	rBB	94115	146415	2.85%	0.290%
4	8.616	952	957	965	rBB	32989	52120	1.01%	0.103%
5	10.333	1243	1249	1257	rVB	35783	55919	1.09%	0.111%
6	10.704	1305	1312	1317	rBV	126589	202457	3.94%	0.401%
7	13.957	1861	1865	1870	rVV	63520	83184	1.62%	0.165%
8	14.239	1907	1913	1916	rBV	76132	113442	2.21%	0.224%
9	14.268	1916	1918	1928	rVB	55469	74790	1.45%	0.148%
10	14.551	1957	1966	1971	rBV	174979	256083	4.98%	0.507%
11	14.610	1971	1976	1984	rVB	33327	50323	0.98%	0.100%
12	14.945	2027	2033	2040	rBV	46871	68213	1.33%	0.135%
13	15.539	2125	2134	2138	rBV	94852	135560	2.64%	0.268%
14	15.592	2138	2143	2153	rVB2	61522	93114	1.81%	0.184%
15	15.886	2187	2193	2200	rVV	35288	56373	1.10%	0.112%
16	16.033	2213	2218	2226	rVV	38894	74455	1.45%	0.147%
17	16.815	2342	2351	2355	rBV3	33396	58145	1.13%	0.115%
18	16.945	2367	2373	2380	rVB	178829	248297	4.83%	0.491%
19	17.015	2380	2385	2391	rBV	34557	64918	1.26%	0.128%
20	17.104	2395	2400	2408	rVB	106739	149296	2.90%	0.295%
21	17.286	2425	2431	2434	rBV	195669	297593	5.79%	0.589%
22	17.333	2434	2439	2444	rVV	1985513	2865650	55.74%	5.669%
23	17.386	2444	2448	2450	rVV2	131034	186355	3.63%	0.369%
24	17.415	2450	2453	2458	rVV	389176	529587	10.30%	1.048%
25	17.474	2458	2463	2468	rVB2	39419	69674	1.36%	0.138%
26	17.598	2480	2484	2489	rVB2	30025	46797	0.91%	0.093%
27	17.686	2489	2499	2510	rBV2	268723	521441	10.14%	1.032%
28	17.798	2514	2518	2524	rBV2	51742	68511	1.33%	0.136%
29	17.862	2524	2529	2536	rVB4	82366	140511	2.73%	0.278%
30	17.998	2549	2552	2557	rVB	28120	45406	0.88%	0.090%
31	18.074	2561	2565	2569	rBV	38059	52028	1.01%	0.103%
32	18.156	2569	2579	2583	rBV	342650	563805	10.97%	1.115%
33	18.203	2583	2587	2592	rVB	463275	643945	12.53%	1.274%
34	18.280	2592	2600	2605	rBV	137841	199770	3.89%	0.395%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028689.D
Acq On : 09 Feb 2021 17:53
Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

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-BM011621MA.M
Title : SVOA CALIBRATION

35	18.345	2605	2611	2615	rBV2	354532	672600	13.08%	1.331%
36	18.386	2615	2618	2623	rVB	241870	317329	6.17%	0.628%
37	18.456	2623	2630	2634	rBV3	49818	83379	1.62%	0.165%
38	18.503	2634	2638	2641	rBV2	51938	65466	1.27%	0.130%
39	18.545	2641	2645	2649	rVB4	35345	50665	0.99%	0.100%
40	18.651	2658	2663	2667	rBV	298529	389479	7.58%	0.771%
41	18.703	2667	2672	2677	rVB	378910	503904	9.80%	0.997%
42	18.892	2696	2704	2709	rBV5	91780	197525	3.84%	0.391%
43	18.945	2709	2713	2716	rVB	84156	102365	1.99%	0.203%
44	18.986	2716	2720	2724	rVB	81369	105298	2.05%	0.208%
45	19.068	2728	2734	2737	rBV	196411	322047	6.26%	0.637%
46	19.156	2747	2749	2753	rVV	77386	94542	1.84%	0.187%
47	19.215	2753	2759	2766	rVV2	280515	444828	8.65%	0.880%
48	19.345	2772	2781	2786	rBV	3277087	5140678	100.00%	10.170%
49	19.392	2786	2789	2792	rBV	73162	89669	1.74%	0.177%
50	19.433	2792	2796	2801	rVB2	136414	183282	3.57%	0.363%
51	19.539	2807	2814	2817	rBV2	100132	189897	3.69%	0.376%
52	19.574	2817	2820	2823	rVB	88105	108567	2.11%	0.215%
53	19.668	2830	2836	2837	rBV	621048	813778	15.83%	1.610%
54	19.703	2837	2842	2848	rVV	2880237	4472207	87.00%	8.848%
55	19.762	2848	2852	2858	rVB2	215052	311438	6.06%	0.616%
56	19.868	2858	2870	2876	rBV	237492	431409	8.39%	0.853%
57	19.933	2876	2881	2888	rVB	154971	261761	5.09%	0.518%
58	20.009	2888	2894	2901	rBV4	248159	655207	12.75%	1.296%
59	20.068	2901	2904	2907	rBV	53576	66074	1.29%	0.131%
60	20.145	2912	2917	2920	rBV4	188557	386419	7.52%	0.764%
61	20.180	2920	2923	2927	rVB	227297	316298	6.15%	0.626%
62	20.280	2936	2940	2943	rBV	68557	87242	1.70%	0.173%
63	20.339	2943	2950	2954	rBV2	337790	584256	11.37%	1.156%
64	20.415	2959	2963	2968	rVB2	67948	96761	1.88%	0.191%
65	20.474	2969	2973	2977	rBV	182165	243665	4.74%	0.482%
66	20.521	2977	2981	2985	rVV2	185454	219823	4.28%	0.435%
67	20.609	2992	2996	2998	rBV3	36168	53730	1.05%	0.106%
68	20.733	3012	3017	3019	rBV4	62419	110812	2.16%	0.219%
69	20.833	3031	3034	3038	rVB3	49024	56197	1.09%	0.111%
70	20.927	3045	3050	3056	rBV	696010	903041	17.57%	1.787%
71	21.086	3070	3077	3080	rBV2	483909	814738	15.85%	1.612%

LSC Area Percent Report

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Data File : BM028689.D
Acq On : 09 Feb 2021 17:53
Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

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-BM011621MA.M
Title : SVOA CALIBRATION

72	21.121	3080	3083	3087	rVV	377325	539029	10.49%	1.066%
73	21.168	3087	3091	3095	rVV2	299646	507688	9.88%	1.004%
74	21.221	3095	3100	3110	rVB	566091	879539	17.11%	1.740%
75	21.321	3110	3117	3124	rBV2	118400	260228	5.06%	0.515%
76	21.427	3126	3135	3140	rBV3	2027311	3601064	70.05%	7.124%
77	21.480	3140	3144	3153	rVB	1899138	2700013	52.52%	5.342%
78	21.550	3153	3156	3160	rBV3	56058	73905	1.44%	0.146%
79	21.592	3160	3163	3168	rBV4	85208	129553	2.52%	0.256%
80	21.644	3169	3172	3175	rBV4	94509	157128	3.06%	0.311%
81	21.750	3185	3190	3194	rBV3	265806	410765	7.99%	0.813%
82	21.791	3194	3197	3201	rVB2	96724	121032	2.35%	0.239%
83	21.921	3215	3219	3223	rBV2	112472	161191	3.14%	0.319%
84	21.980	3223	3229	3234	rVV	355466	568719	11.06%	1.125%
85	22.033	3234	3238	3244	rVB2	208337	325678	6.34%	0.644%
86	22.097	3246	3249	3252	rVB2	80641	99113	1.93%	0.196%
87	22.180	3259	3263	3274	rVB3	180509	399208	7.77%	0.790%
88	22.274	3275	3279	3284	rVB2	116196	174097	3.39%	0.344%
89	22.462	3308	3311	3316	rBV2	67909	117380	2.28%	0.232%
90	22.750	3355	3360	3370	rVB4	165419	379997	7.39%	0.752%
91	23.021	3398	3406	3410	rBV	1265138	2974583	57.86%	5.885%
92	23.180	3428	3433	3438	rBV	218646	341307	6.64%	0.675%
93	23.309	3450	3455	3463	rBV3	96080	283456	5.51%	0.561%
94	23.497	3480	3487	3492	rBV	694190	1332611	25.92%	2.636%
95	23.591	3497	3503	3510	rVB	995578	1857542	36.13%	3.675%
96	23.680	3514	3518	3522	rVV2	156513	284376	5.53%	0.563%
97	23.733	3522	3527	3535	rVB2	321525	635398	12.36%	1.257%
98	25.962	3896	3906	3914	rVB	535571	1614139	31.40%	3.193%
99	26.209	3943	3948	3955	rVB2	103912	244668	4.76%	0.484%
100	26.662	4016	4025	4039	rVB	336462	1118501	21.76%	2.213%

Sum of corrected areas: 50546633

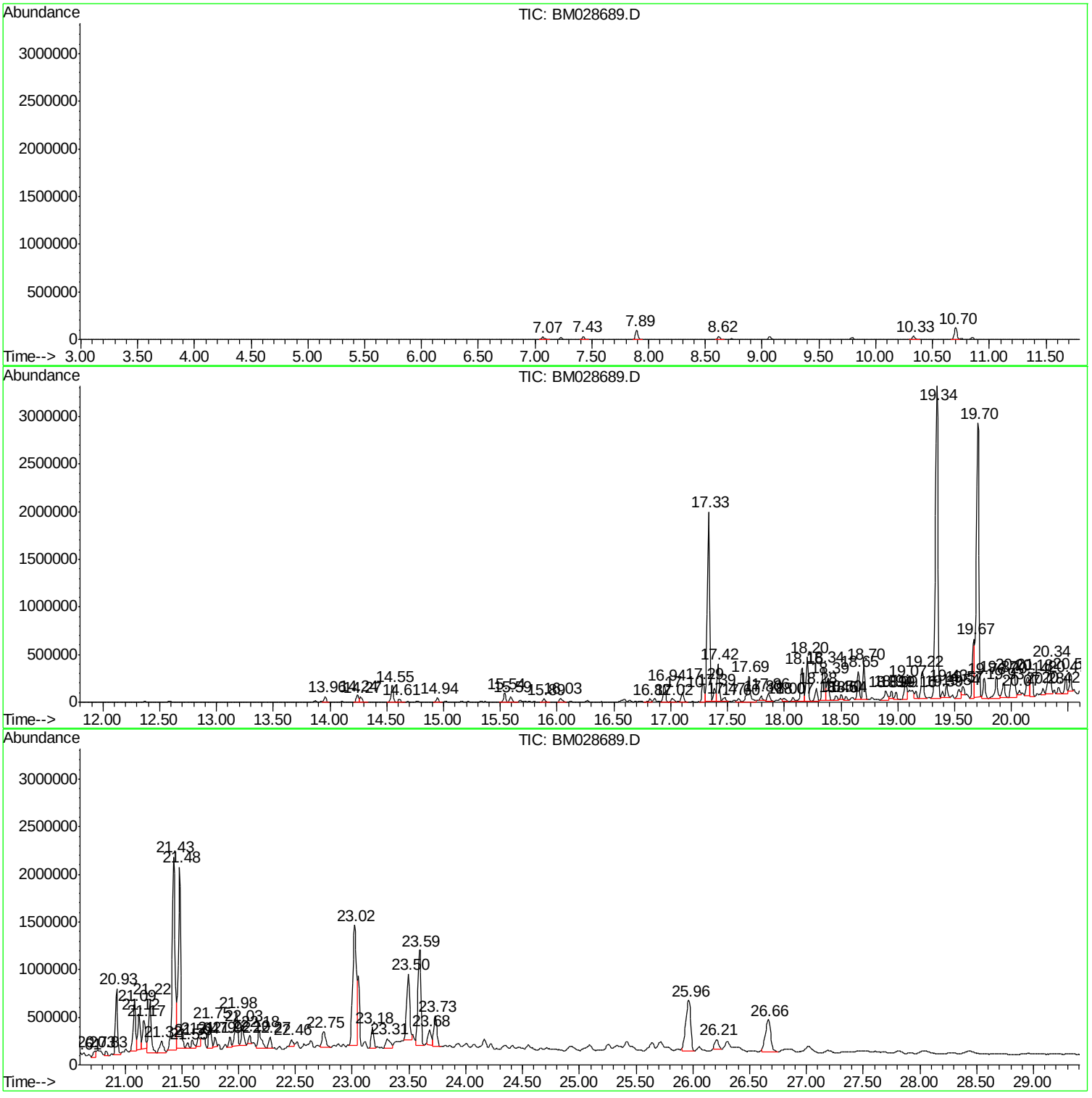
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028689.D
Acq On : 09 Feb 2021 17:53
Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028689.D
Acq On : 09 Feb 2021 17:53
Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

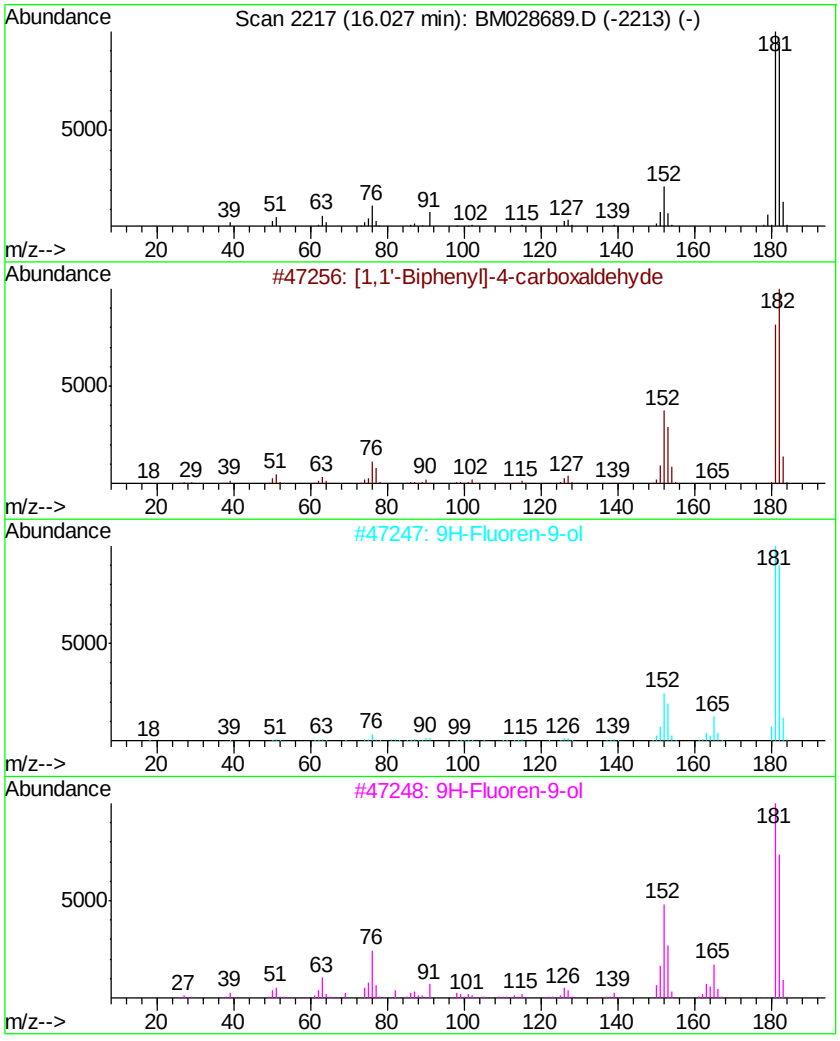
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

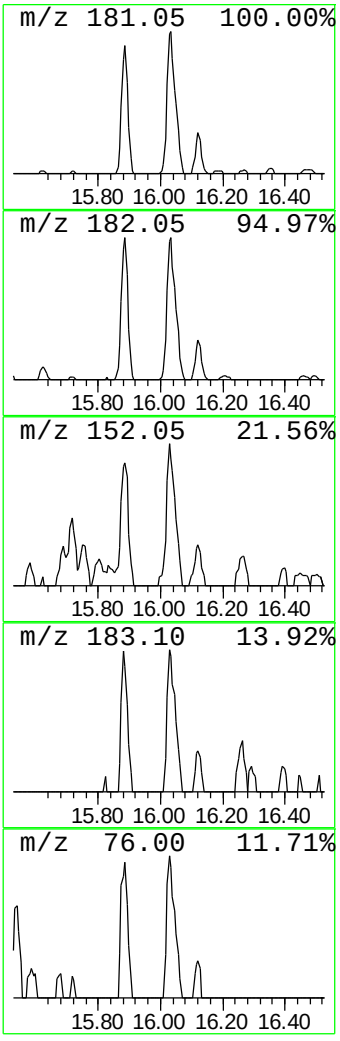
****

Peak Number 2 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	5.00 ng/ul	74455	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028689.D
Acq On : 09 Feb 2021 17:53
Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

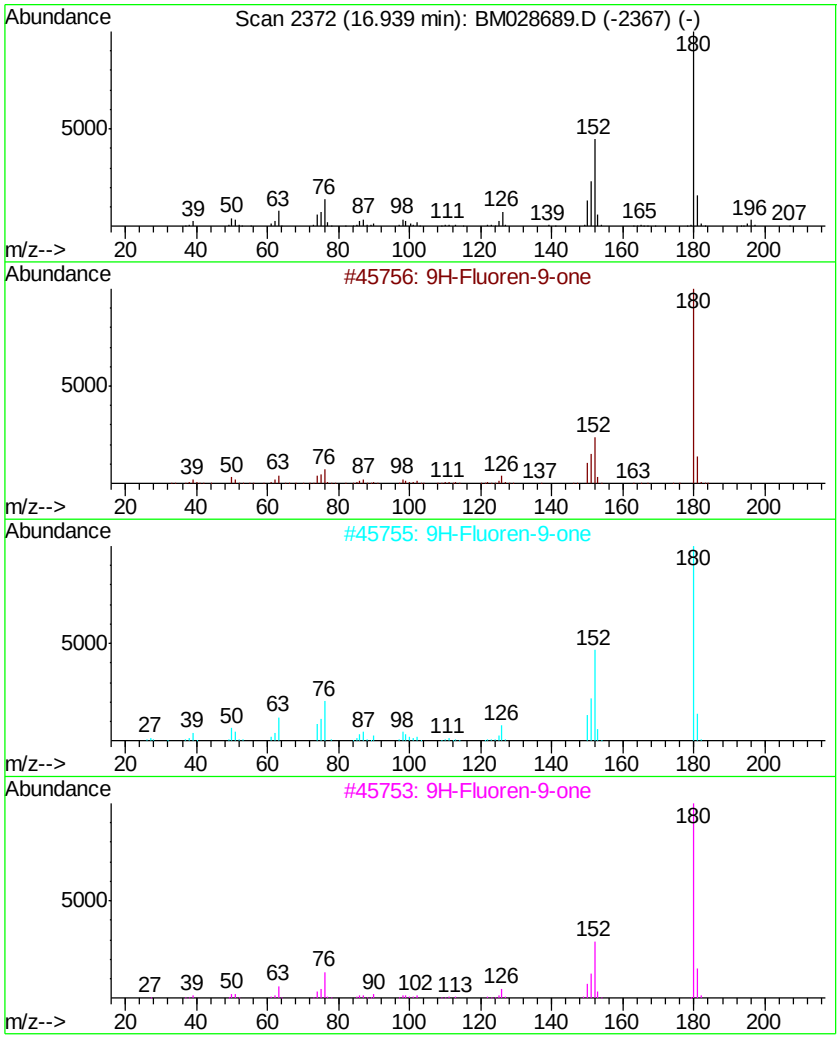
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

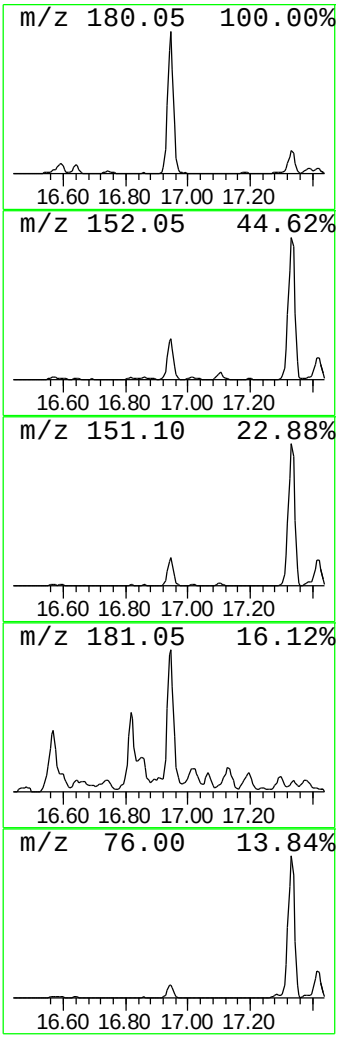
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	16.69 ng/ul	248297	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028689.D
Acq On : 09 Feb 2021 17:53
Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

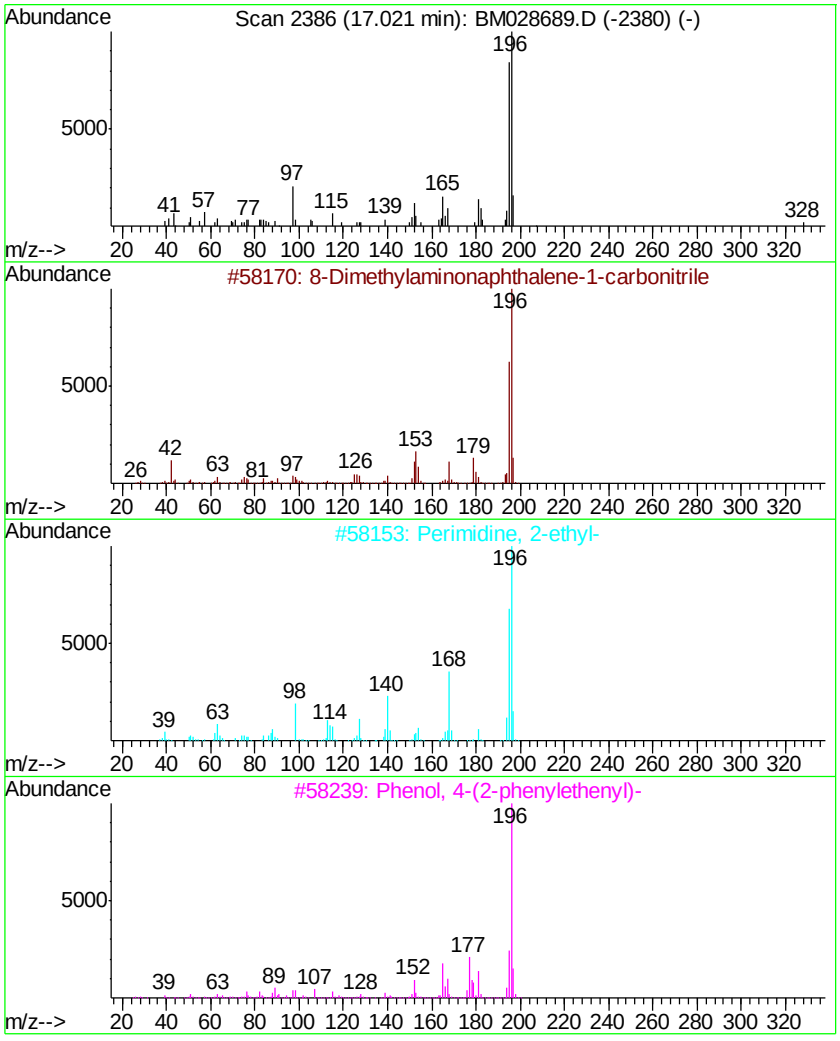
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

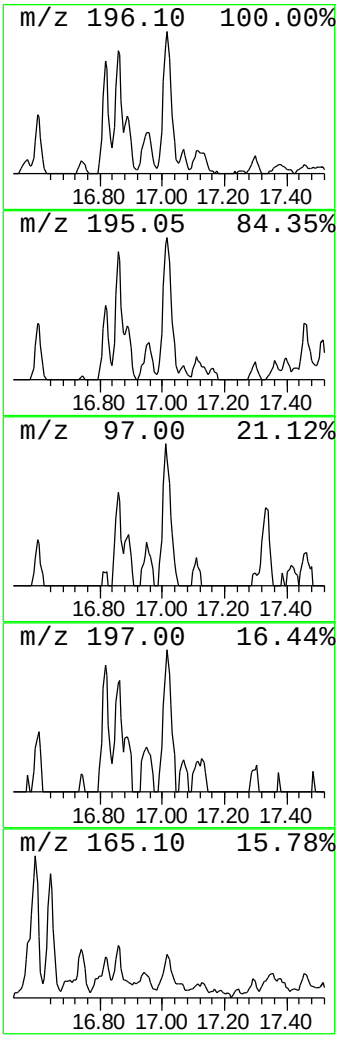
****

Peak Number 5 8-Dimethylaminonaphthalene-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	4.36 ng/ul	64918	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
2	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	74
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	60
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

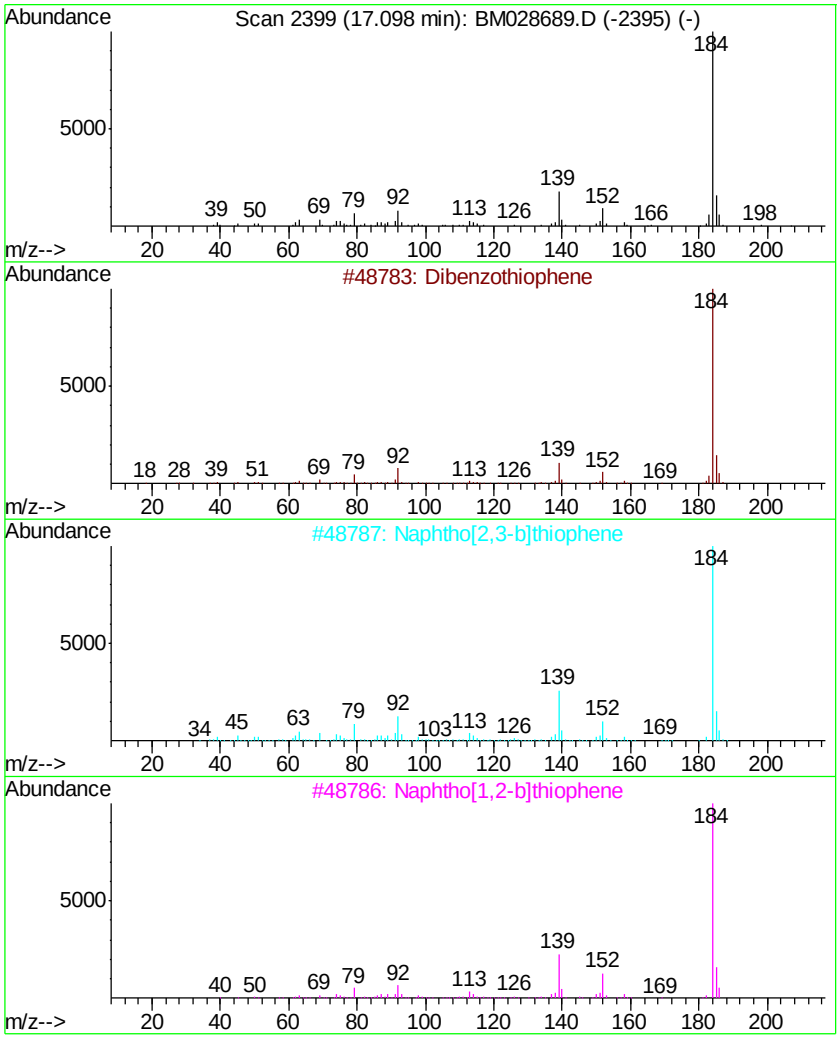
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

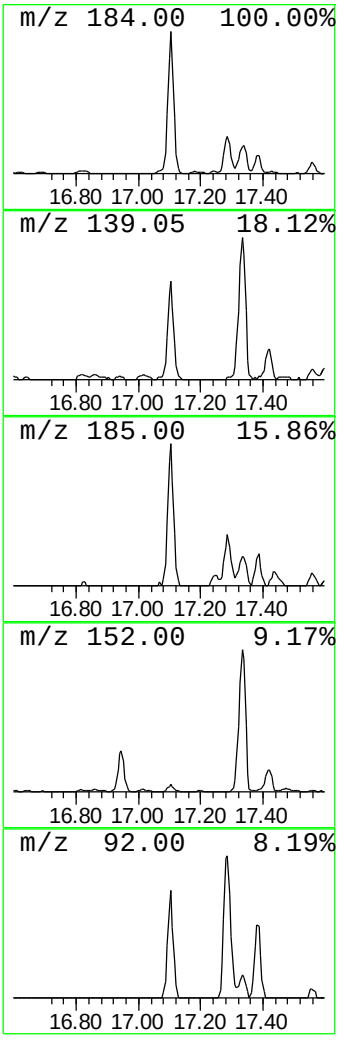
****

Peak Number 6 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	10.03 ng/ul	149296	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
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\BM020921\
Data File : BM028689.D
Acq On : 09 Feb 2021 17:53
Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

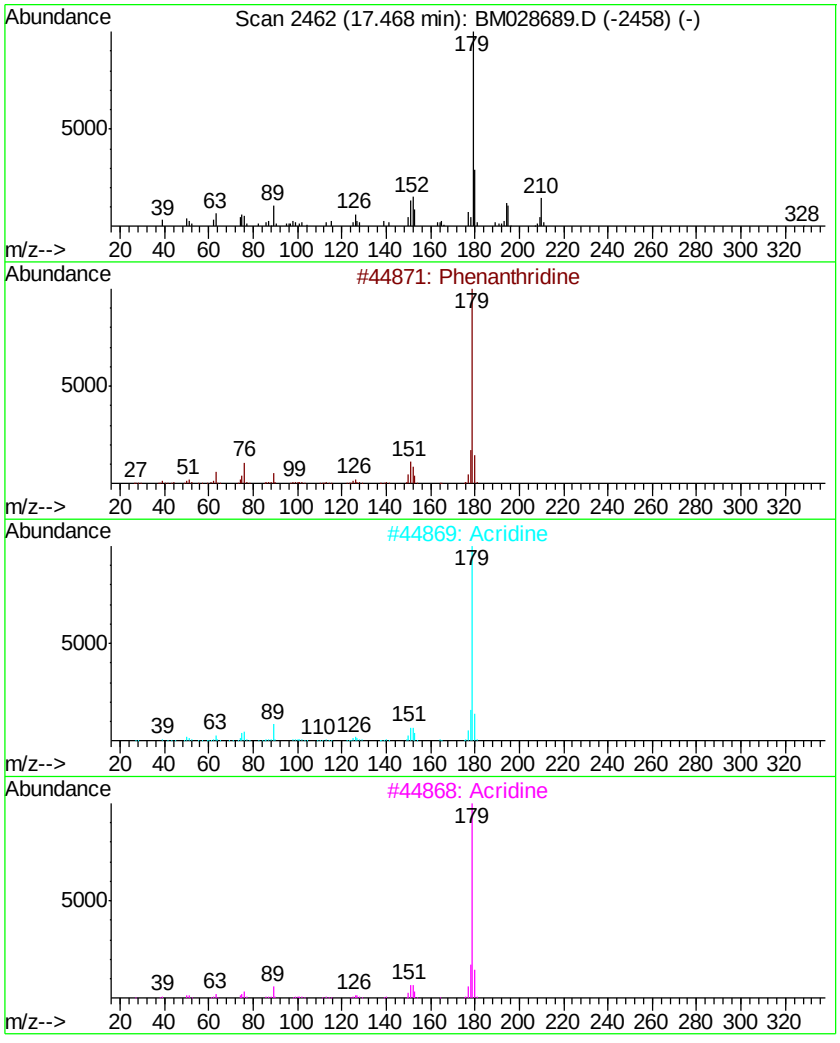
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

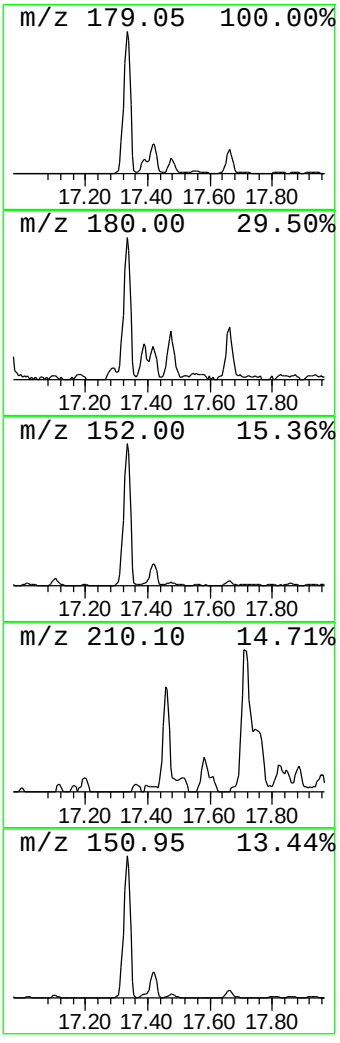
****

Peak Number 7 Phenanthridine Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.47	4.68 ng/ul	69674	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthridine	179	C13H9N	000229-87-8	87
2	Acridine	179	C13H9N	000260-94-6	87
3	Acridine	179	C13H9N	000260-94-6	87
4	Acridine	179	C13H9N	000260-94-6	87
5	Phenanthridine	179	C13H9N	000229-87-8	81





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Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
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ClientSampleId : C0A39DL

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Quant Title : SVOA CALIBRATION

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

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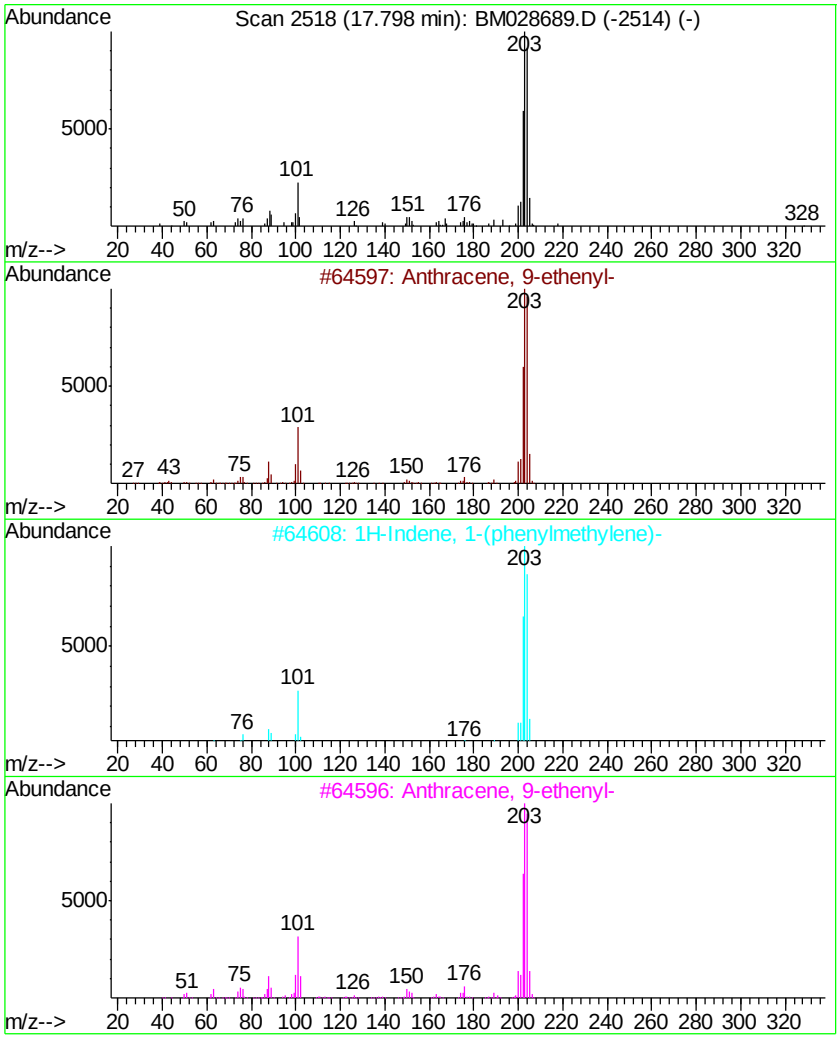
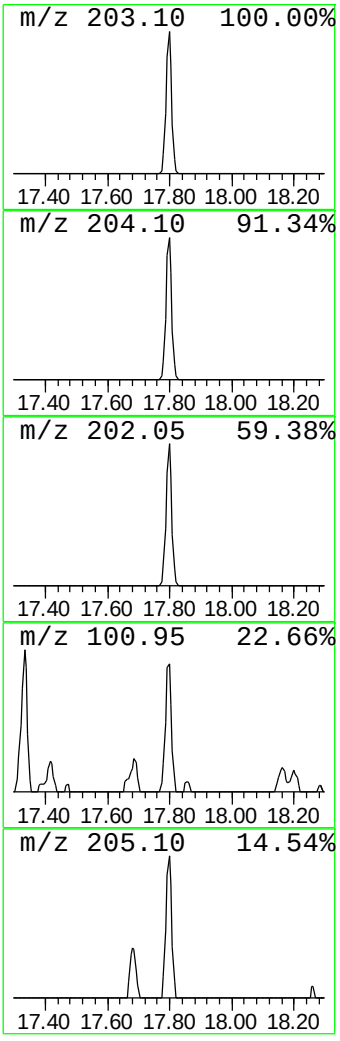
Peak Number 9 Anthracene, 9-ethenyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	4.60 ng/ul	68511	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	95
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	94
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
4	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	90
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90





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ClientSampleId : C0A39DL

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Quant Title : SVOA CALIBRATION

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

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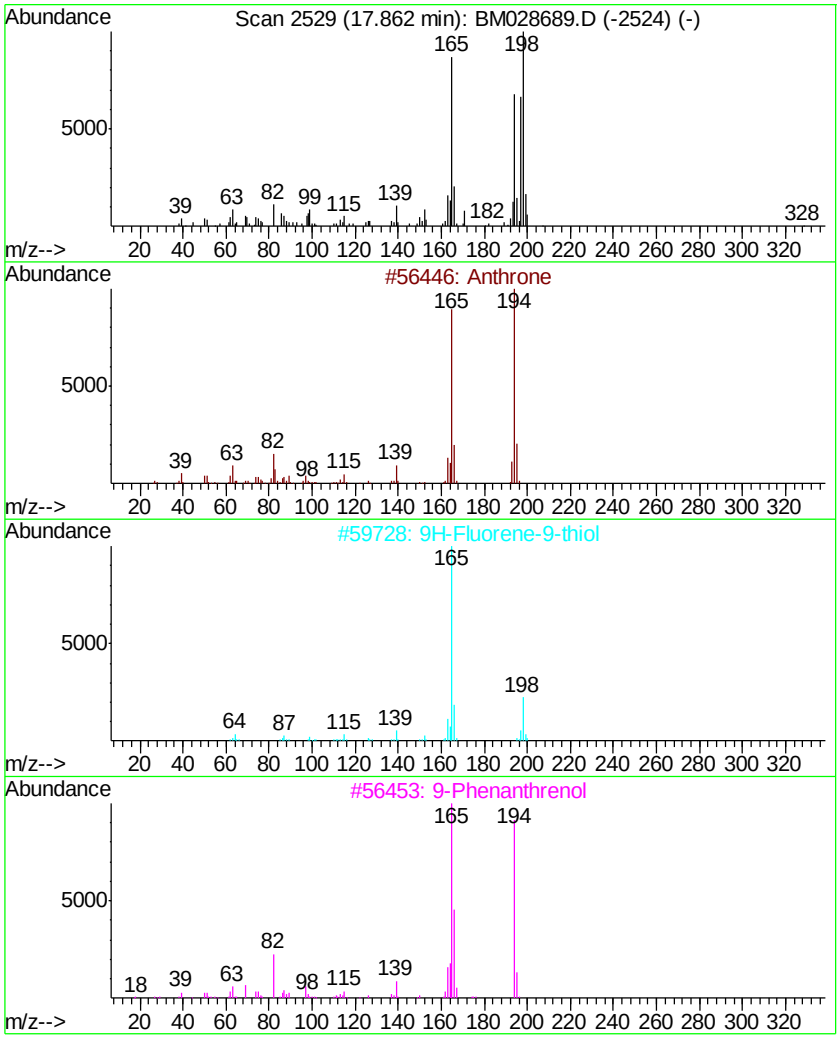
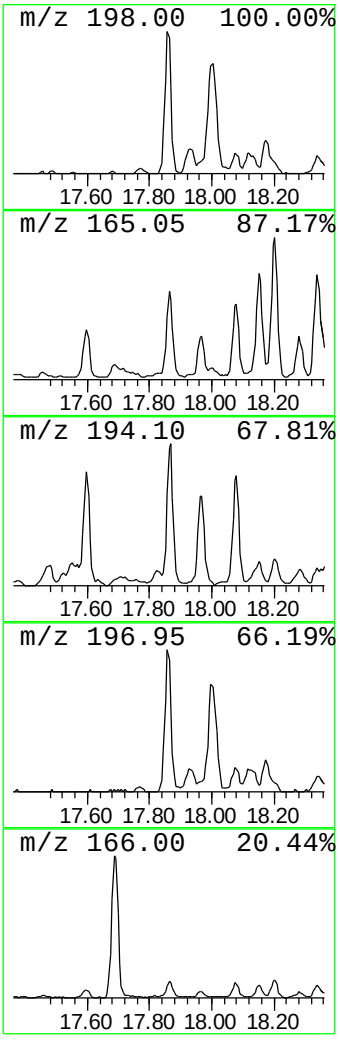
Peak Number 10 9H-Fluorene-9-thiol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	9.44 ng/ul	140511	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	89
2	9H-Fluorene-9-thiol	198	C13H10S	019552-08-0	58
3	9-Phenanthrenol	194	C14H10O	000484-17-3	56
4	Anthrone	194	C14H10O	000090-44-8	55
5	Anthrone	194	C14H10O	000090-44-8	55





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Quant Title : SVOA CALIBRATION

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

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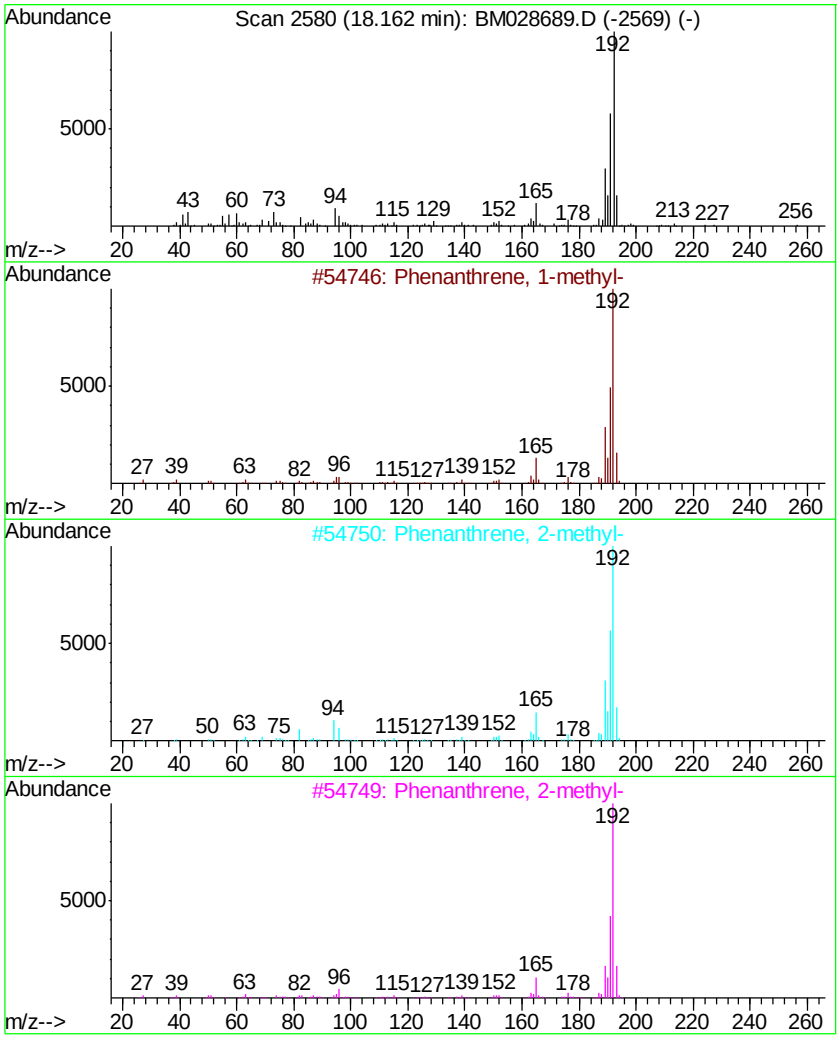
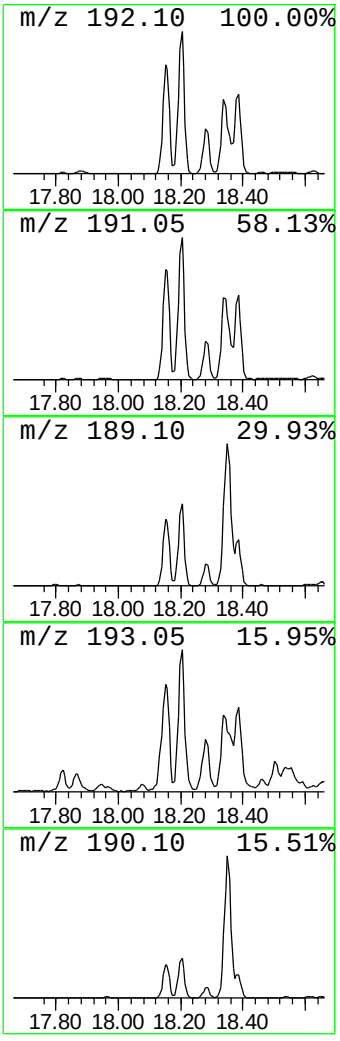
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	37.89 ng/ul	563805	Phenanthrene-d10	17.29

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	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Misc :
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Instrument : BNA_M
ClientSampleId : C0A39DL

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Quant Title : SVOA CALIBRATION

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

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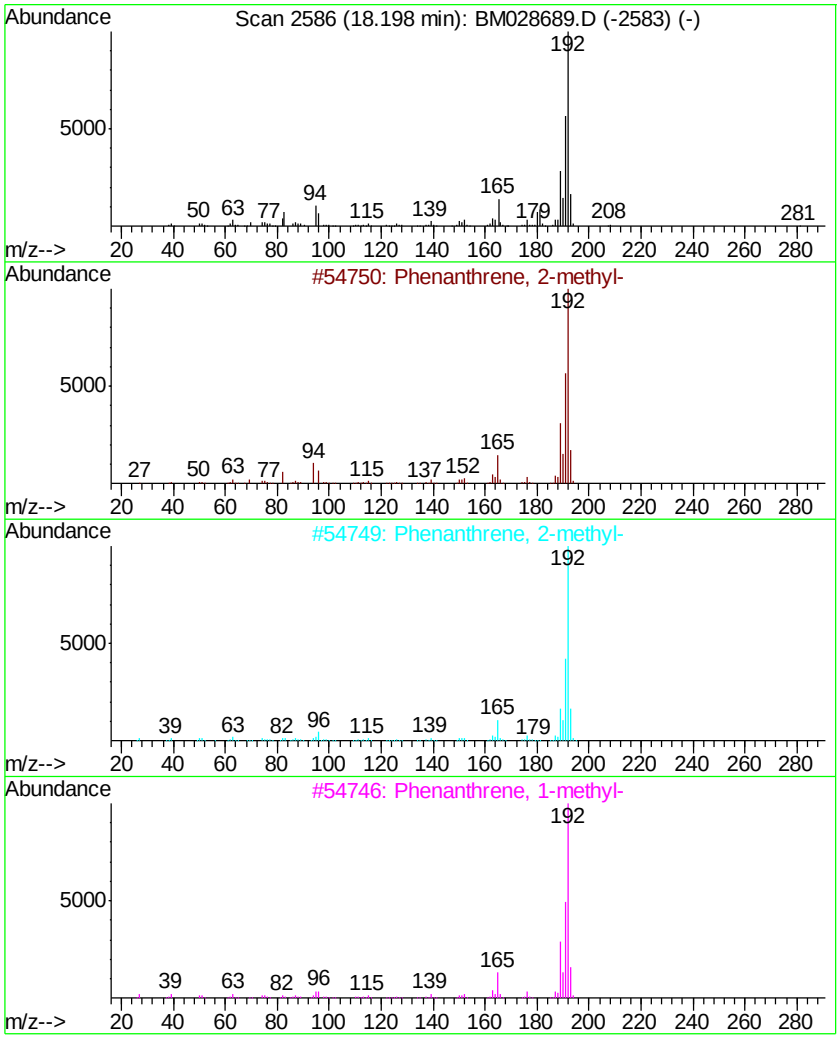
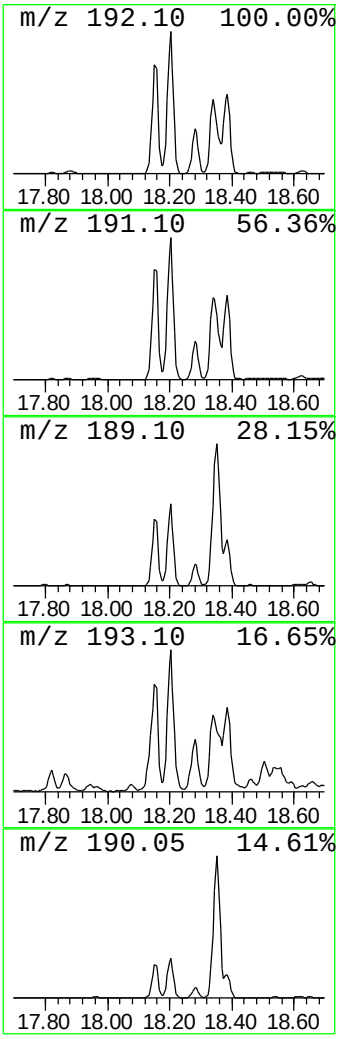
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	43.28 ng/ul	643945	Phenanthrene-d10	17.29

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





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Quant Title : SVOA CALIBRATION

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

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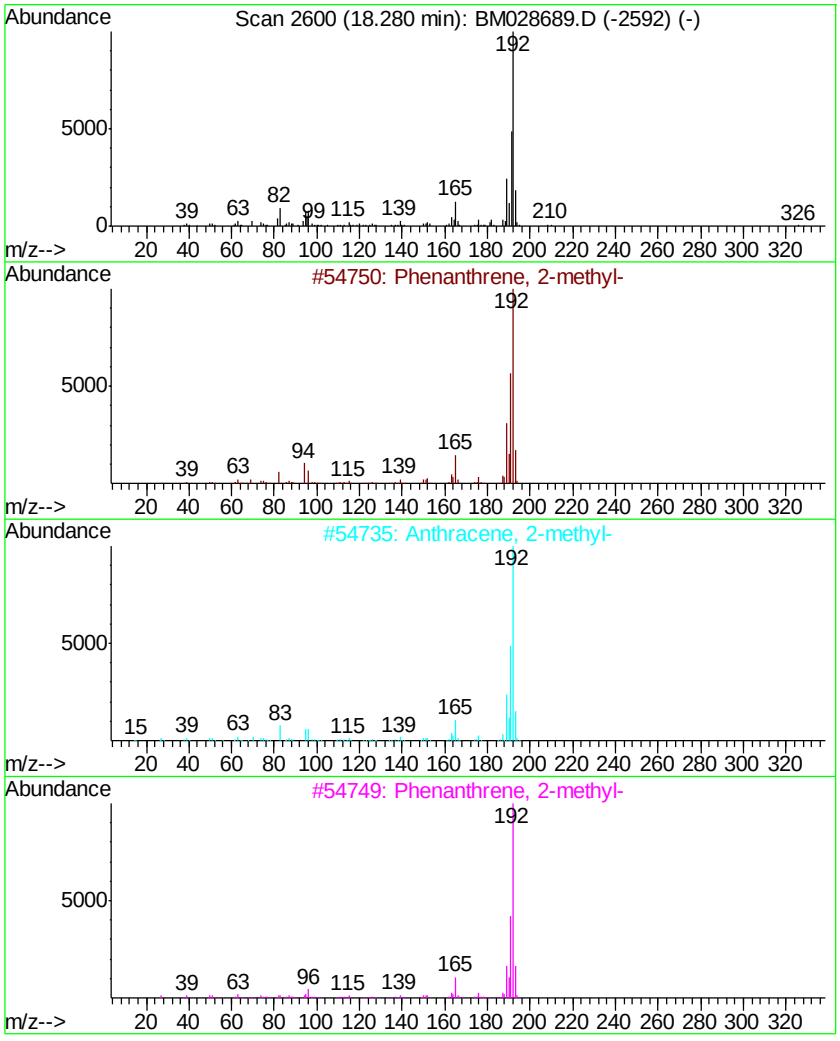
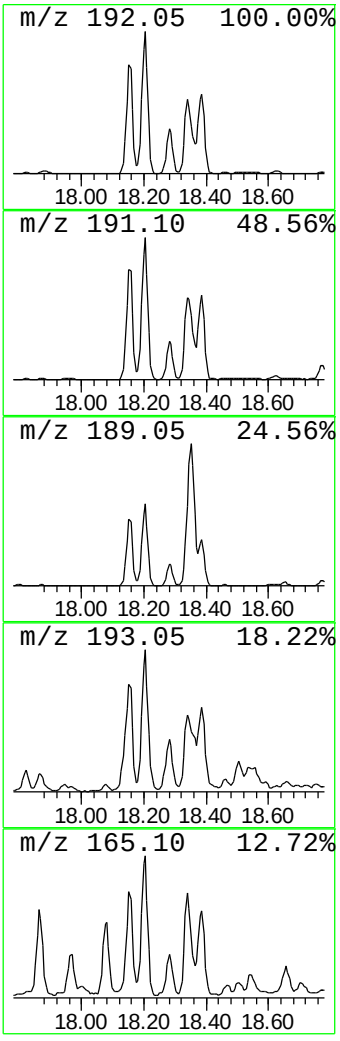
Peak Number 15 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	13.43 ng/ul	199770	Phenanthrene-d10	17.29

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





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Quant Title : SVOA CALIBRATION

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

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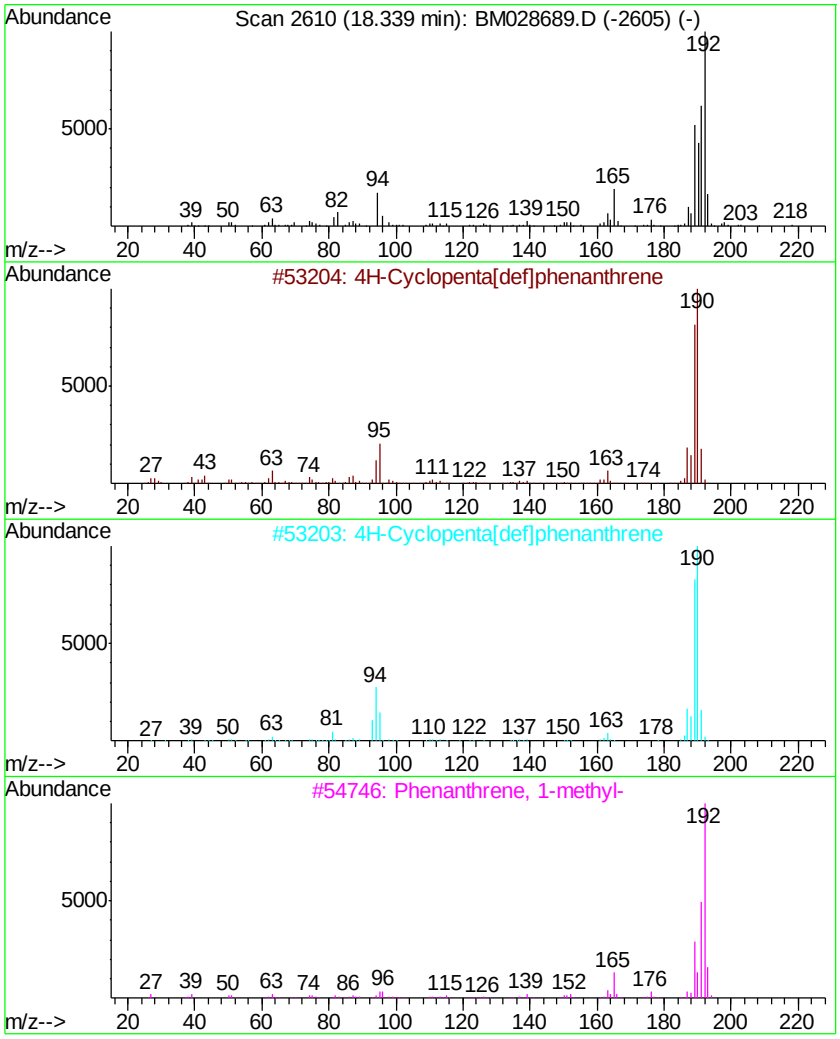
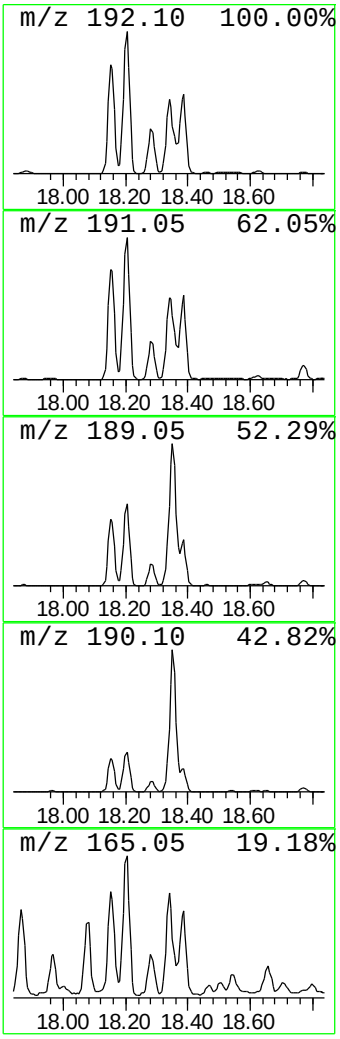
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	45.20 ng/ul	672600	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46





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Quant Title : SVOA CALIBRATION

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

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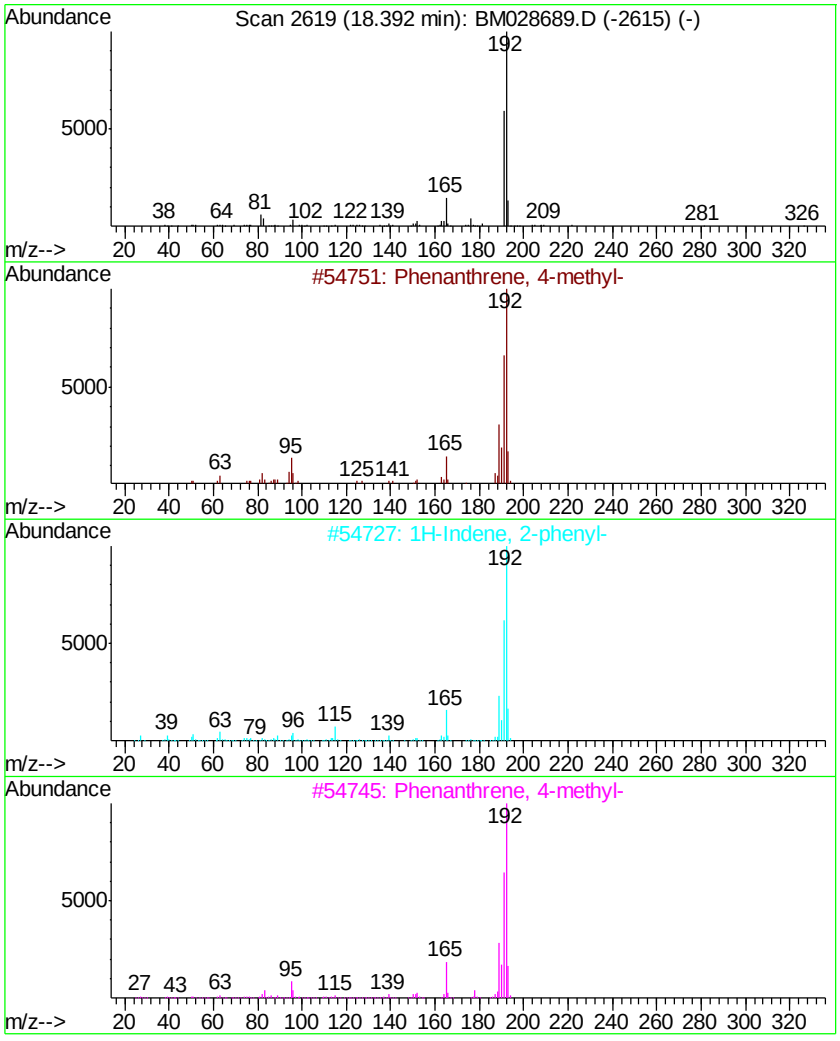
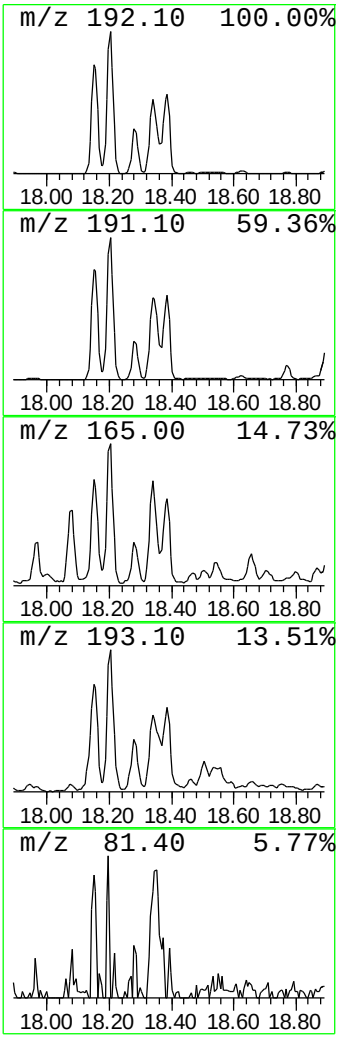
Peak Number 17 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	21.33 ng/ul	317329	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86





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Quant Title : SVOA CALIBRATION

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

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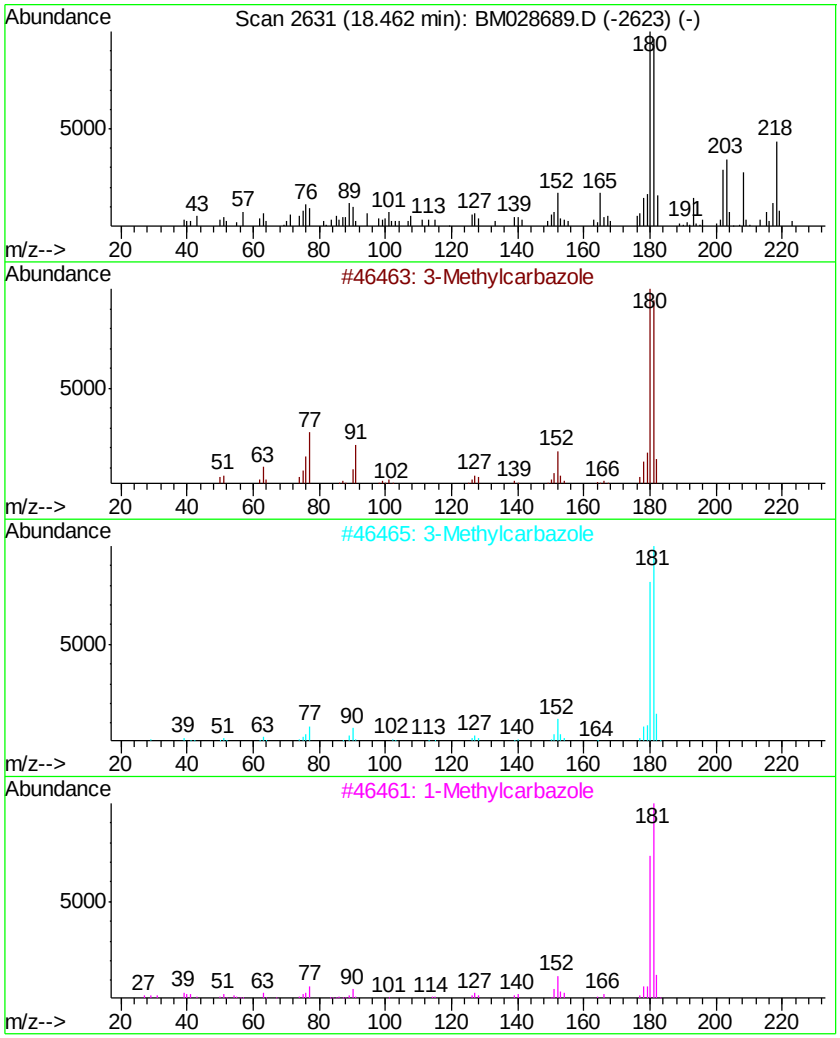
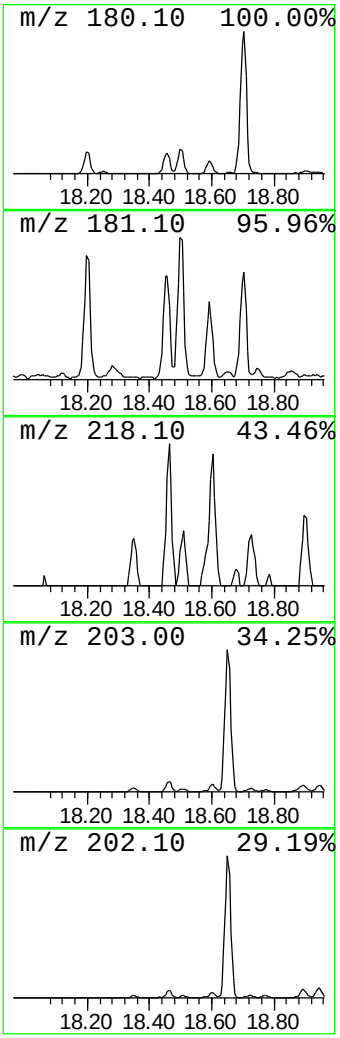
Peak Number 18 3-Methylcarbazole Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	5.60 ng/ul	83379	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	96
2	3-Methylcarbazole	181	C13H11N	004630-20-0	95
3	1-Methylcarbazole	181	C13H11N	006510-65-2	94
4	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	89
5	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	76





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Quant Title : SVOA CALIBRATION

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

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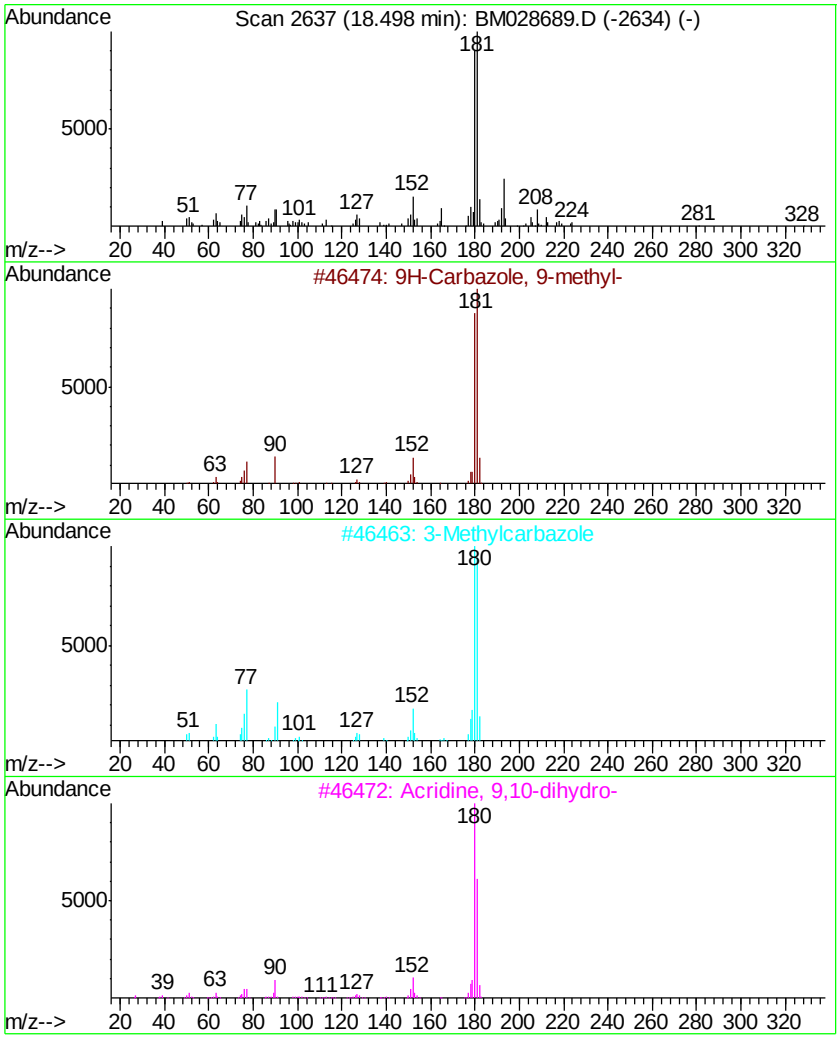
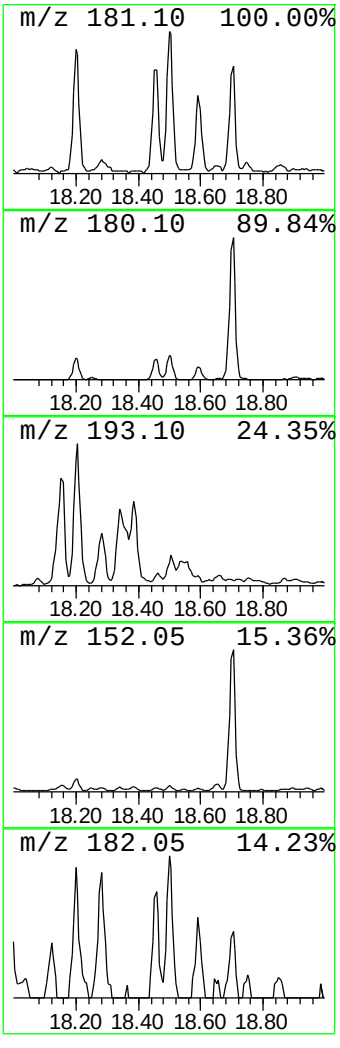
Peak Number 19 9H-Carbazole, 9-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	4.40 ng/ul	65466	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	89
2	3-Methylcarbazole	181	C13H11N	004630-20-0	86
3	Acridine, 9,10-dihydro-	181	C13H11N	000092-81-9	83
4	3-Methylcarbazole	181	C13H11N	004630-20-0	76
5	3-Methylcarbazole	181	C13H11N	004630-20-0	76





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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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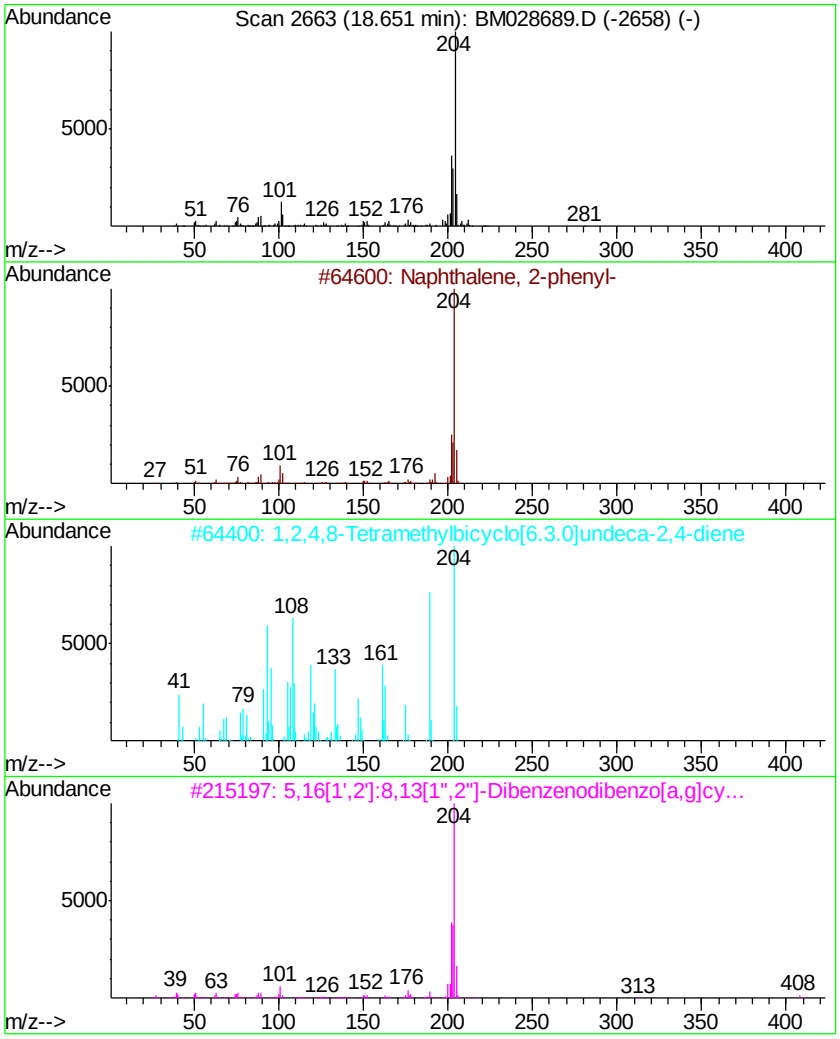
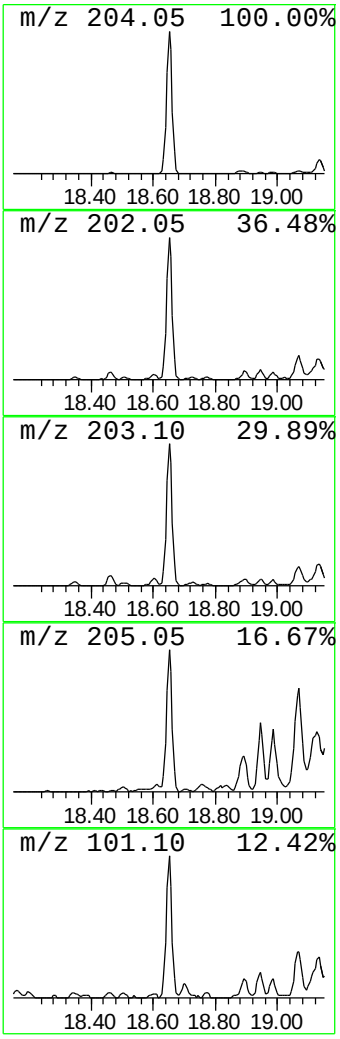
Peak Number 21 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	26.18 ng/ul	389479	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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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 22 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	33.87 ng/ul	503904	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
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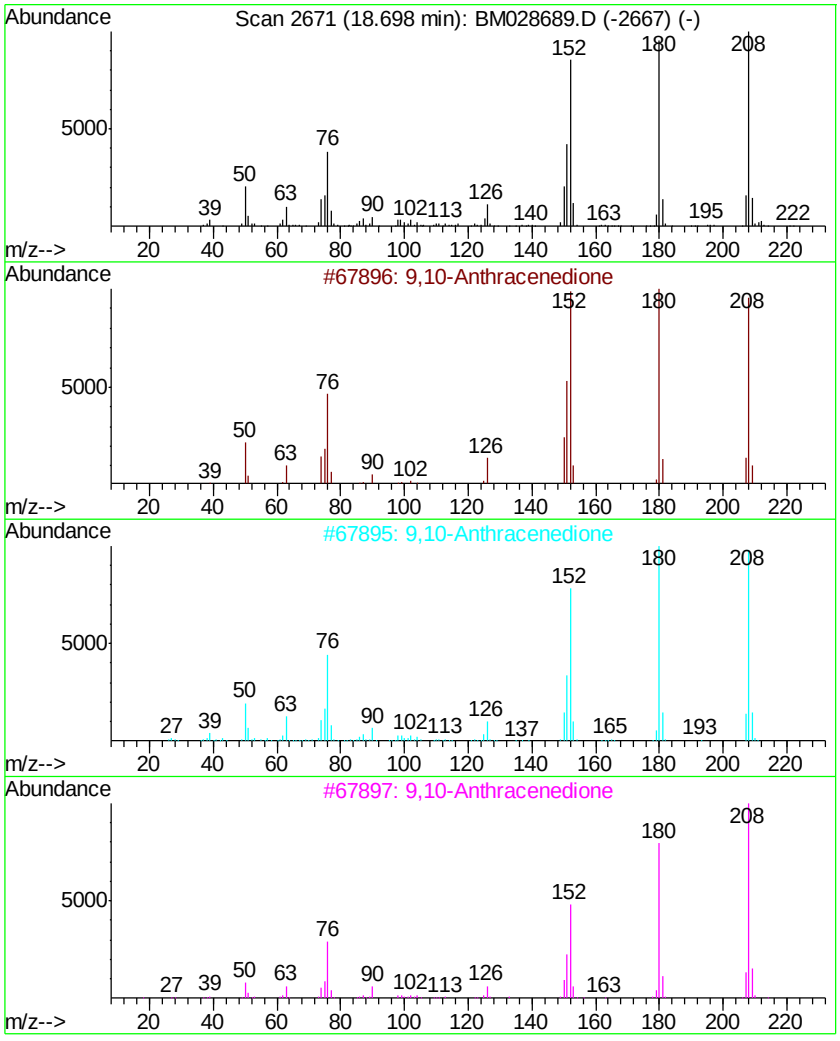

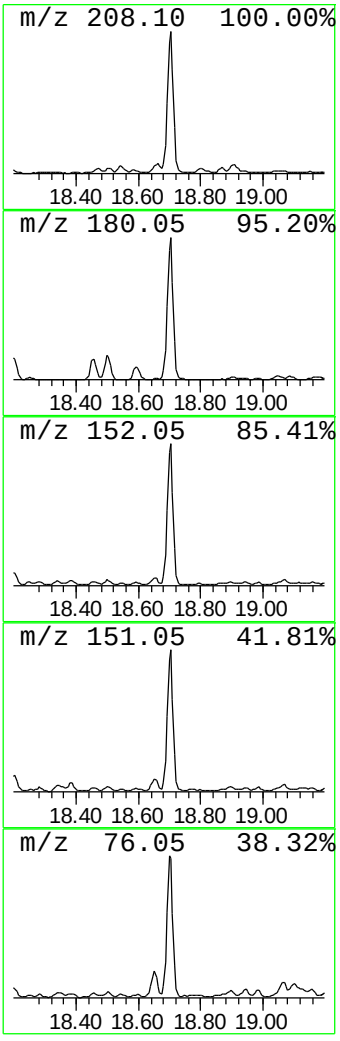

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Quant Title : SVOA CALIBRATION

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

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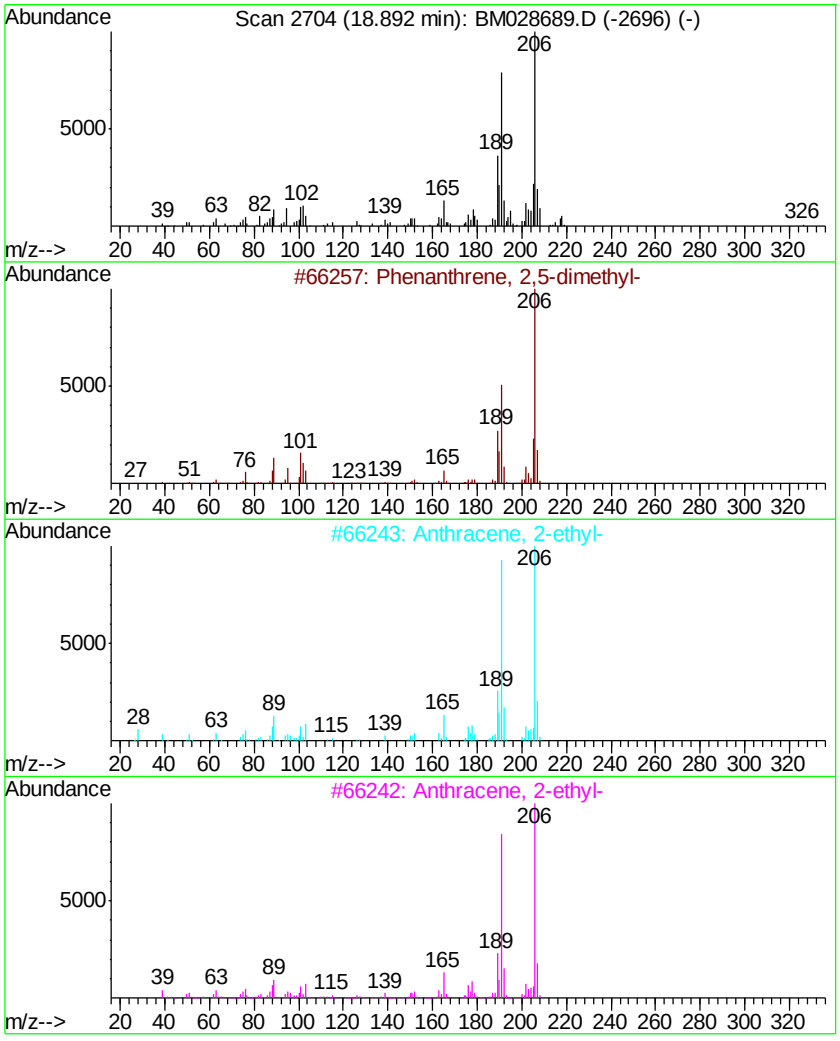
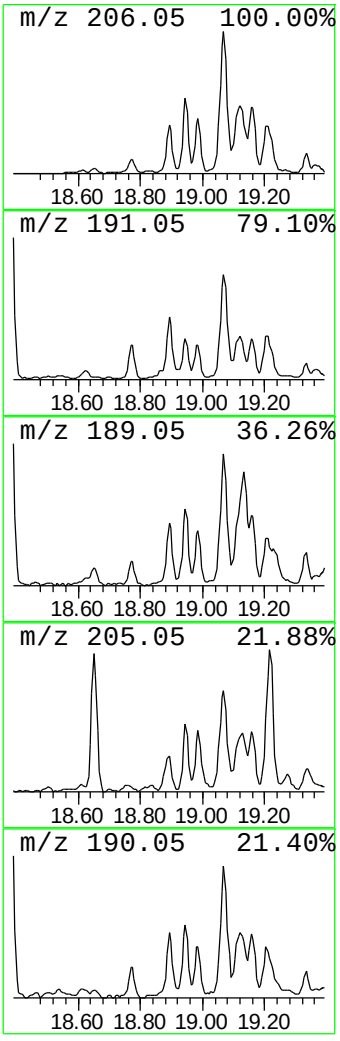
Peak Number 23 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	13.27 ng/ul	197525	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	96
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	96
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	95
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94





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Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

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Quant Title : SVOA CALIBRATION

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

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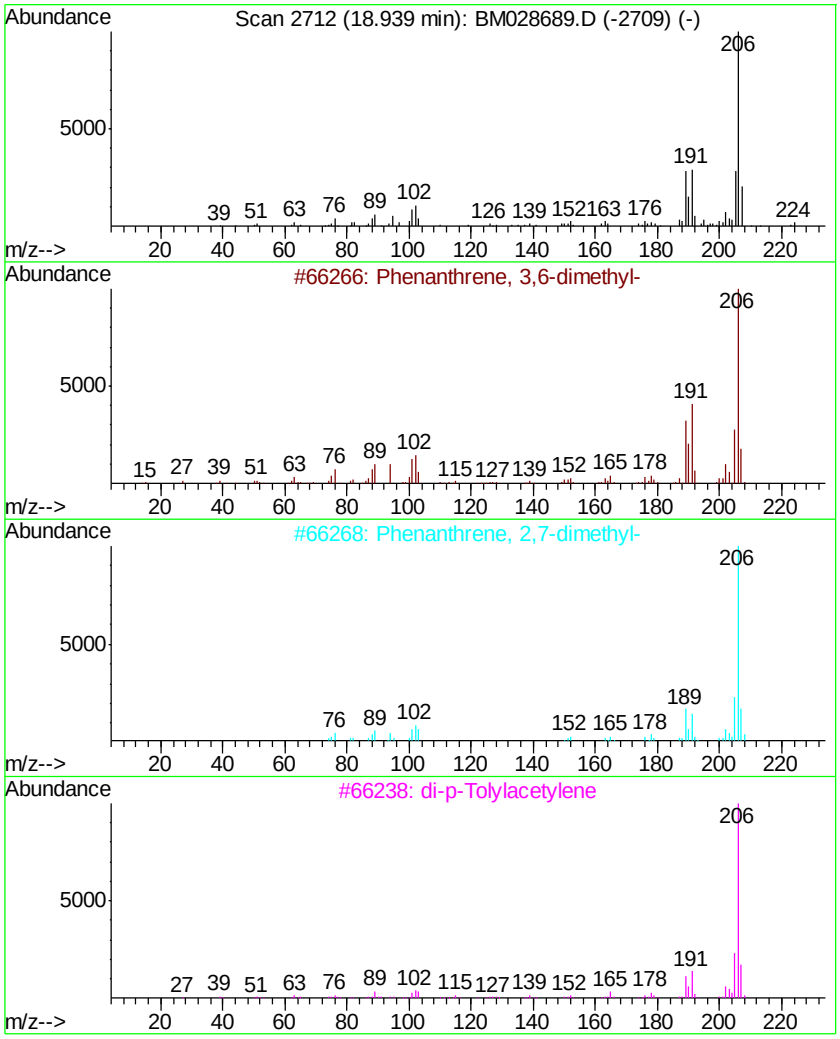
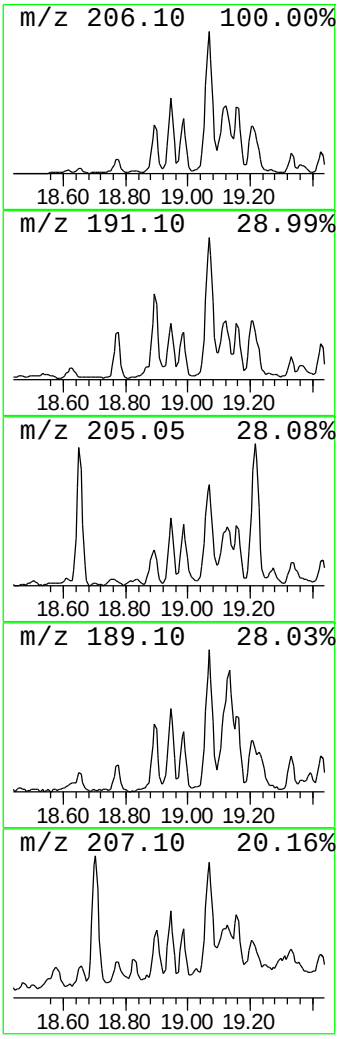
Peak Number 24 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	6.88 ng/ul	102365	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Quant Title : SVOA CALIBRATION

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

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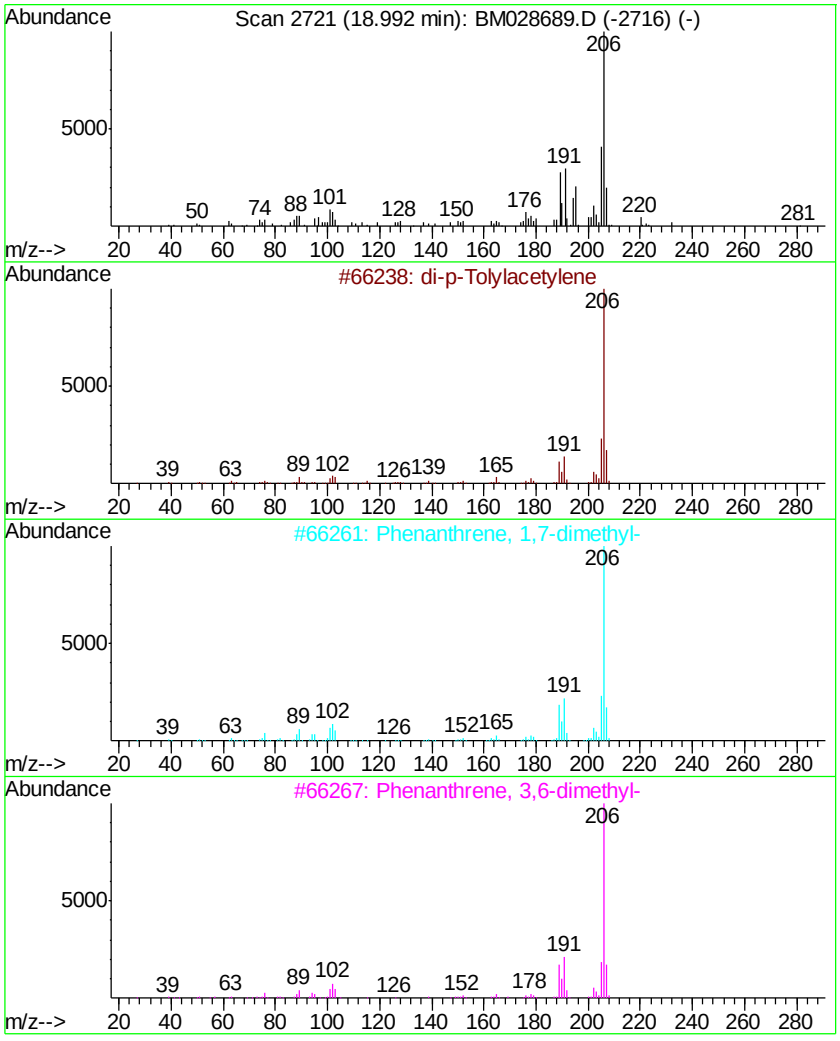
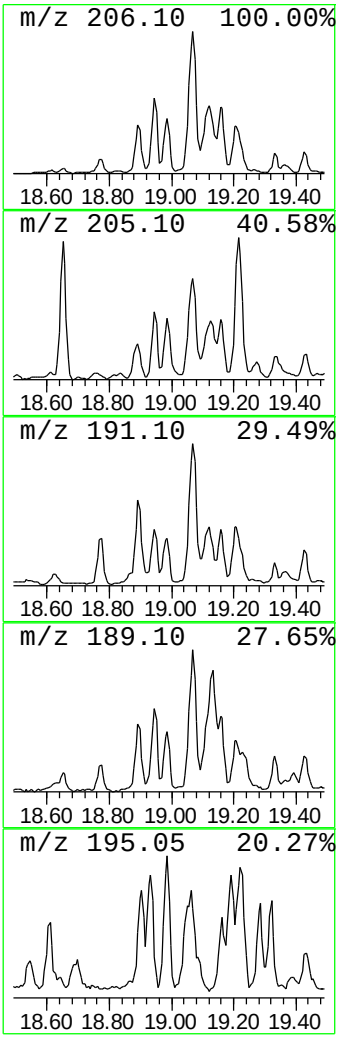
Peak Number 25 di-p-Tolylacetylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	7.08 ng/ul	105298	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Quant Title : SVOA CALIBRATION

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

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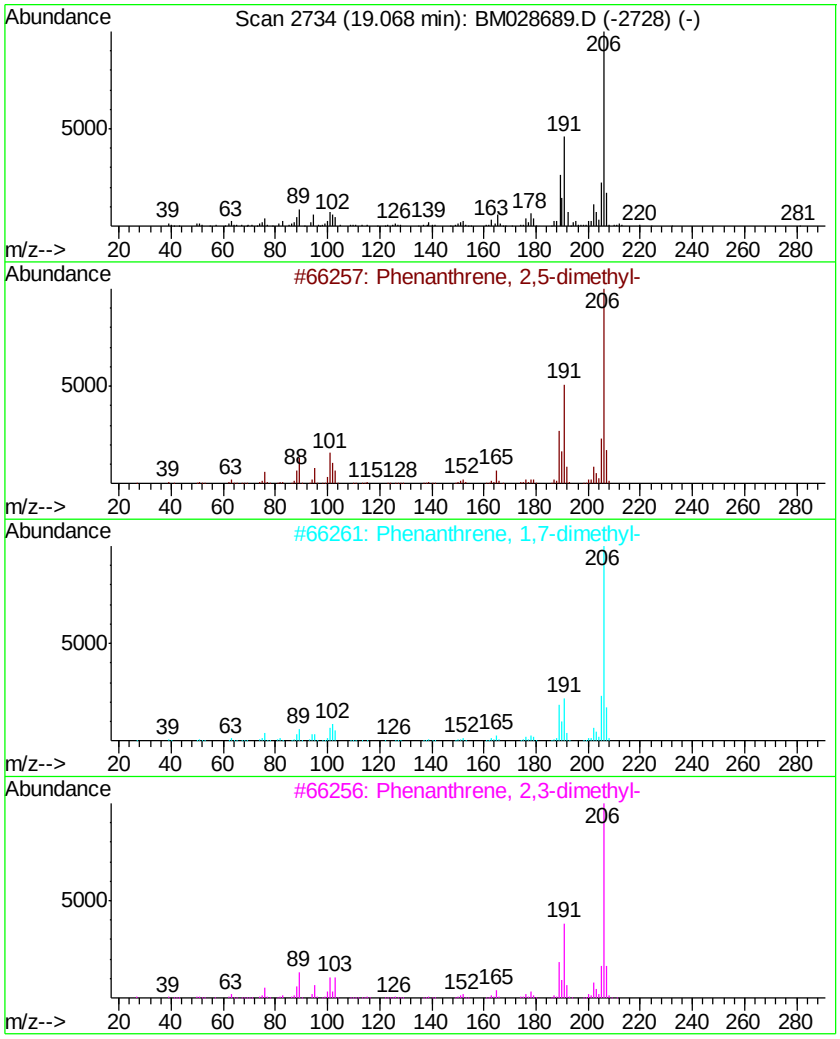
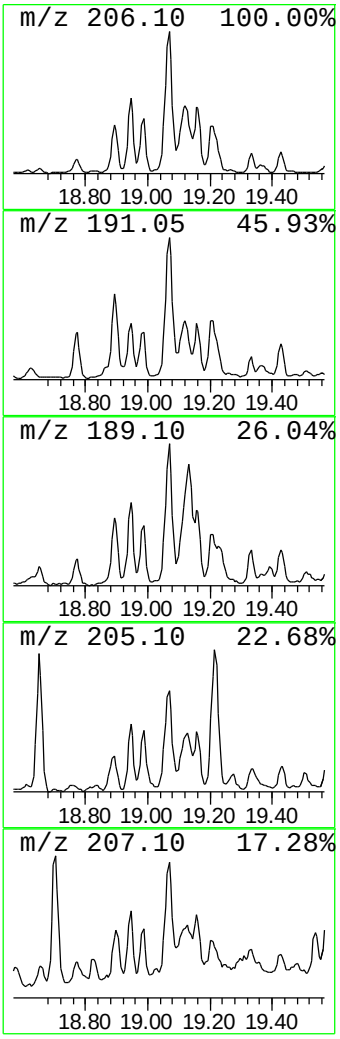
Peak Number 26 Phenanthrene, 1,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	21.64 ng/ul	322047	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

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Quant Title : SVOA CALIBRATION

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

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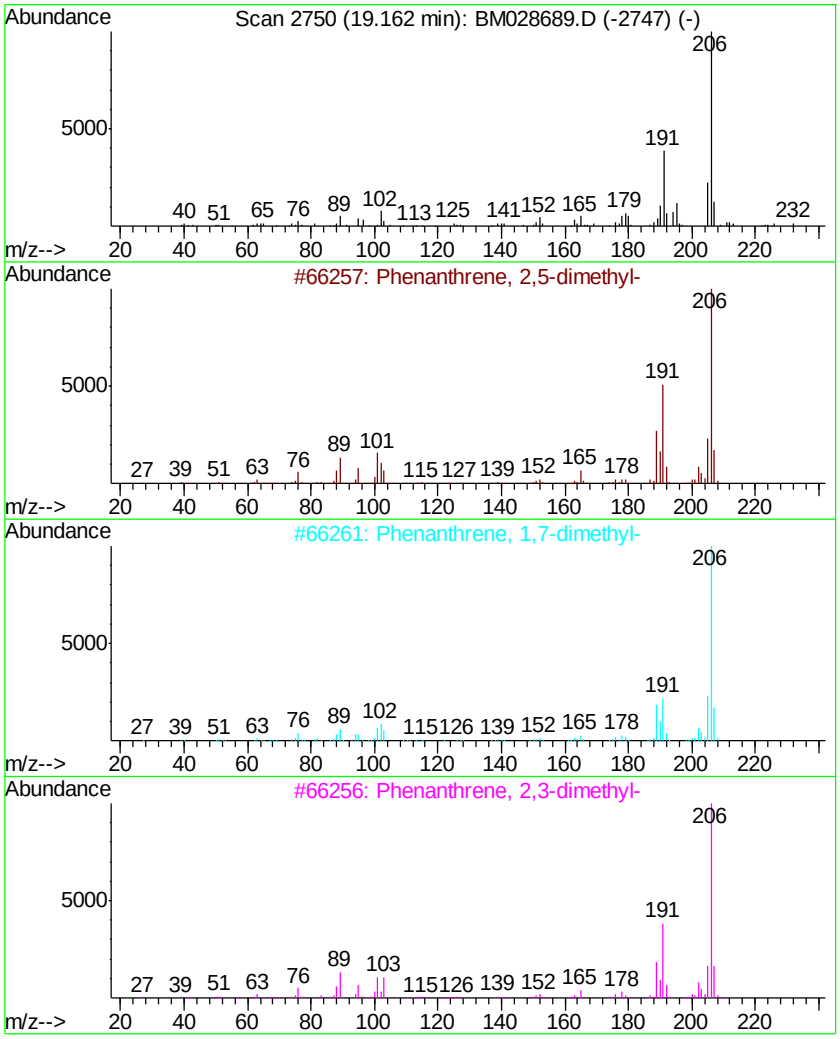
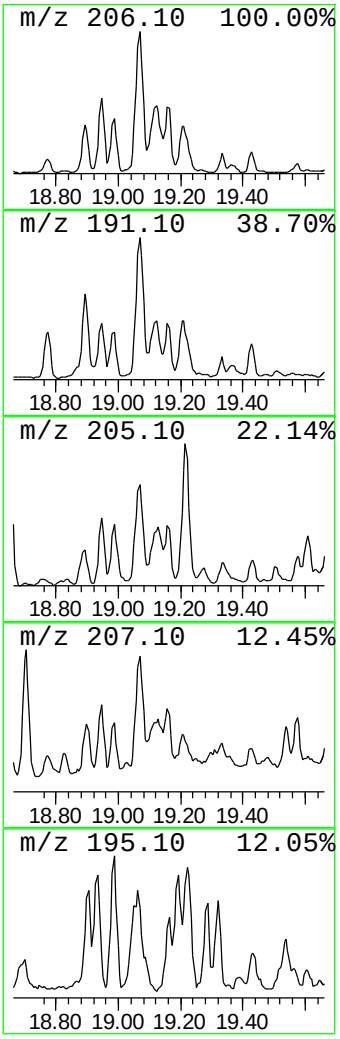
Peak Number 27 Phenanthrene, 2,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	6.35 ng/ul	94542	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76





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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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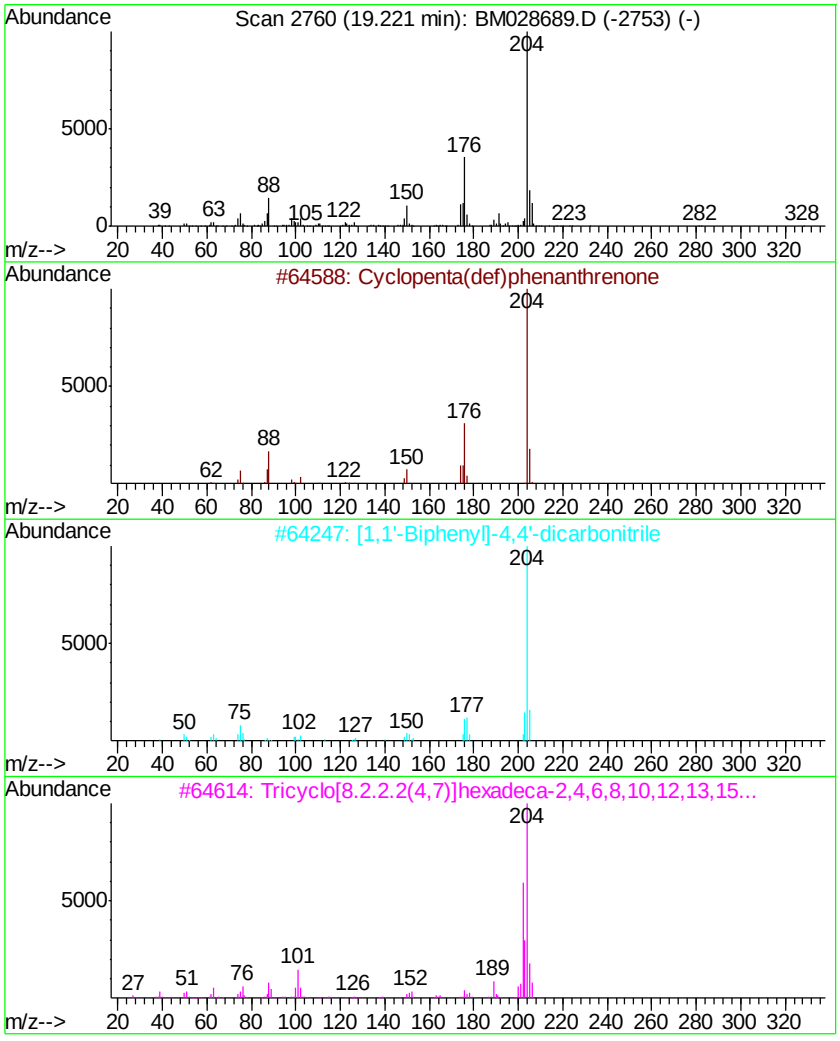
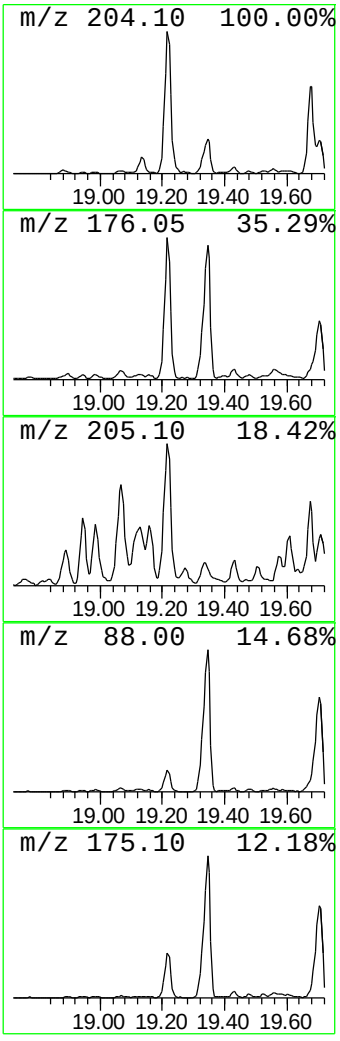
Peak Number 28 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	29.90 ng/ul	444828	Phenanthrene-d10	17.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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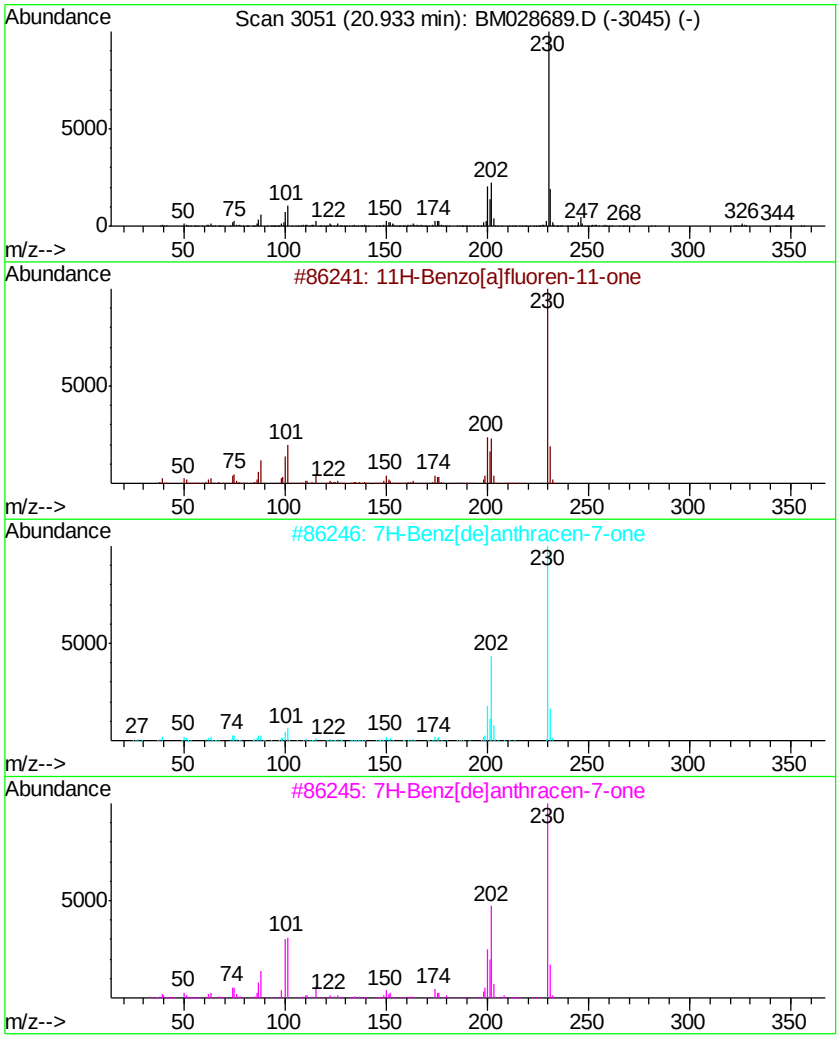
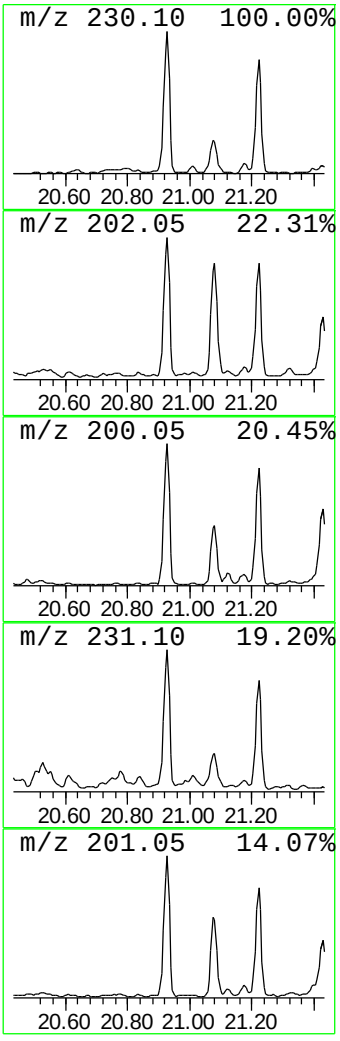
Peak Number 33 11H-Benzo[a]fluoren-11-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	5.02 ng/ul	903041	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
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	90
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89





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Misc :
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Instrument : BNA_M
ClientSampleId : C0A39DL

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Quant Title : SVOA CALIBRATION

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

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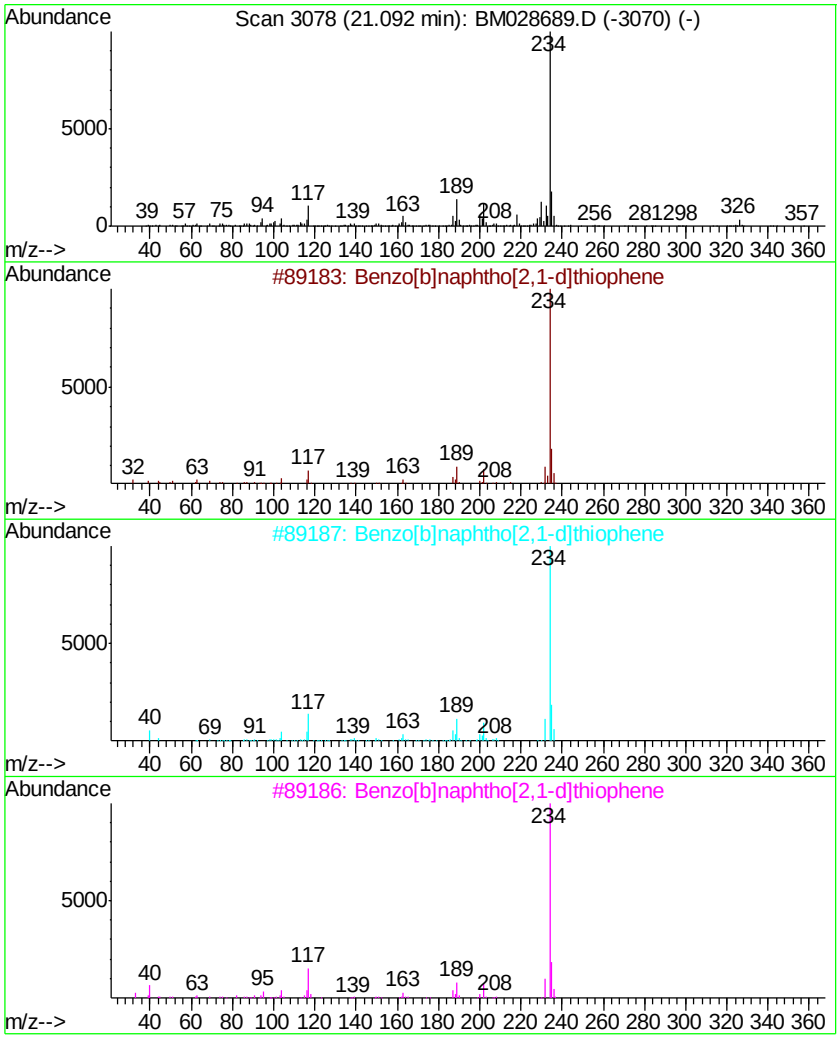
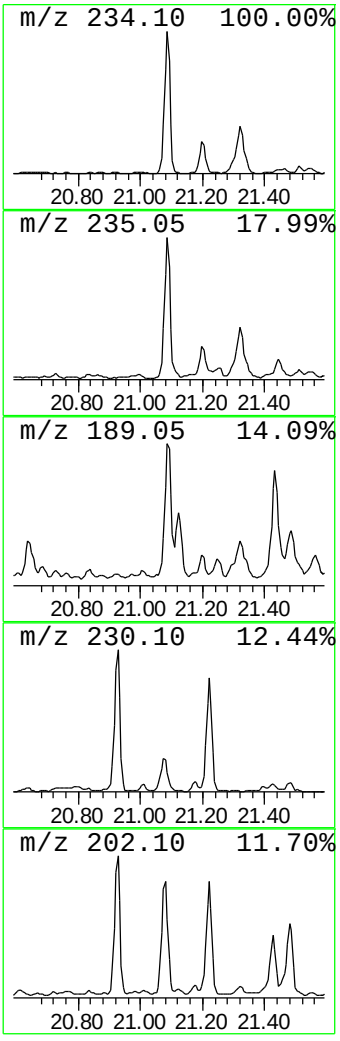
Peak Number 34 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	4.52 ng/ul	814738	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	92
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86





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TIC Integration Parameters: LSCINT.P

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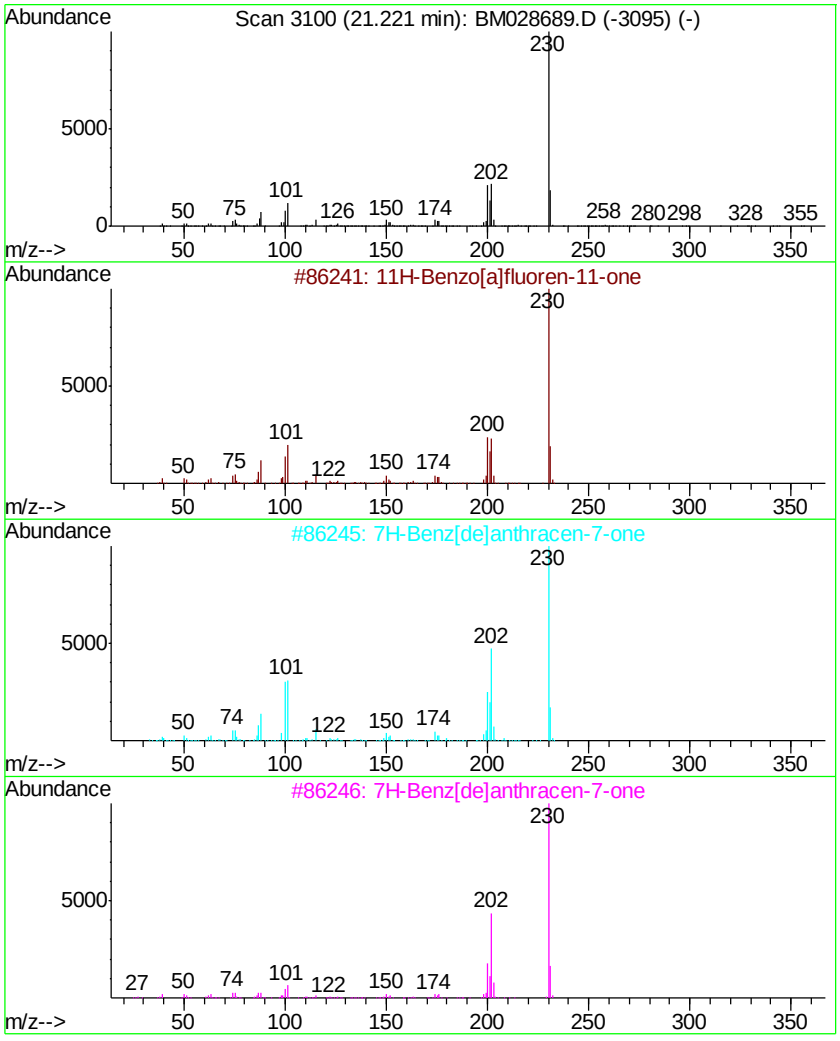
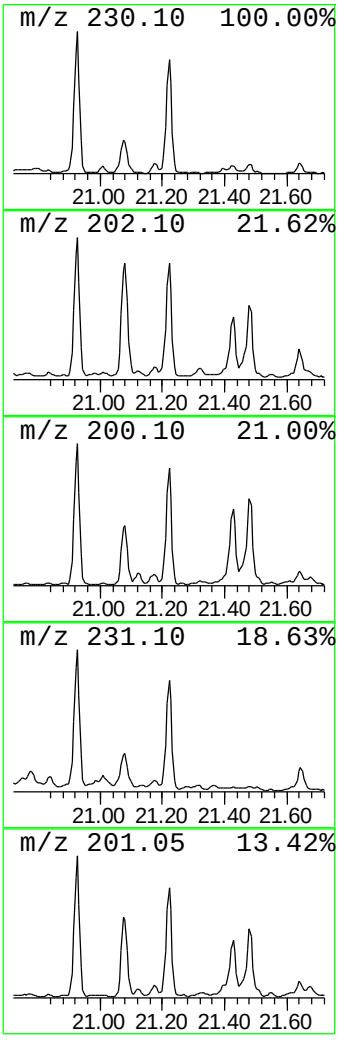
Peak Number 37 7H-Benz[de]anthracen-7-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	4.88 ng/ul	879539	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	87





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Quant Title : SVOA CALIBRATION

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

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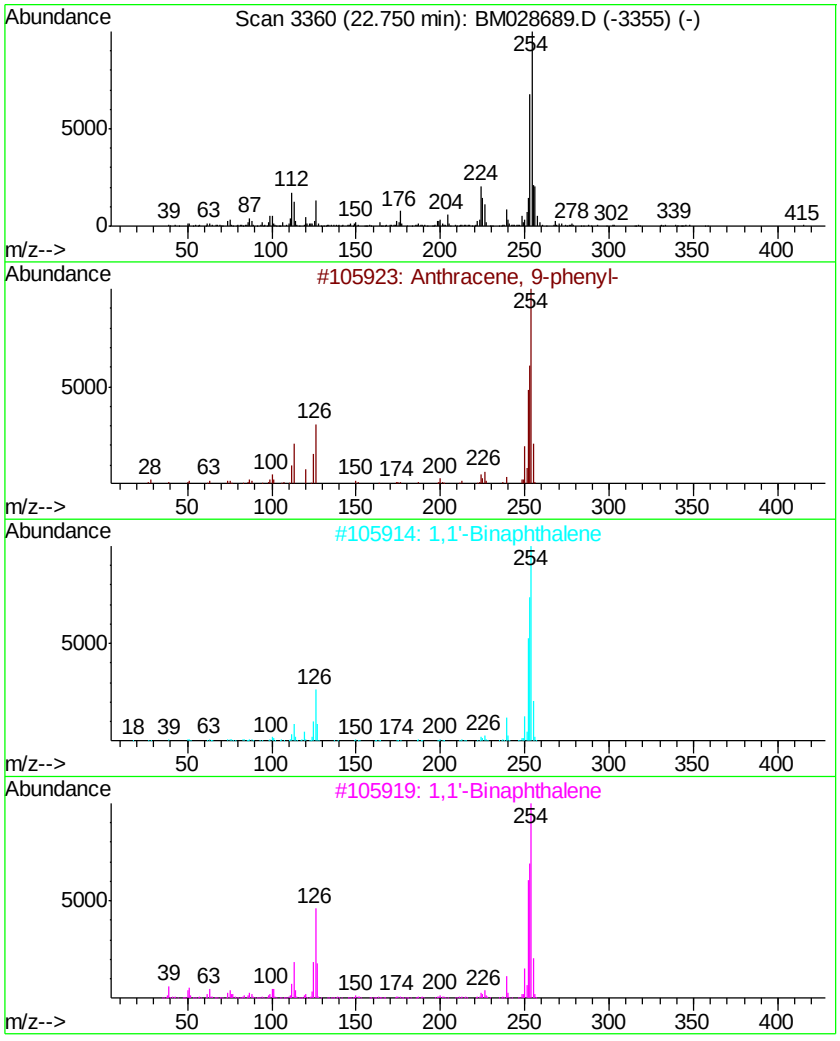
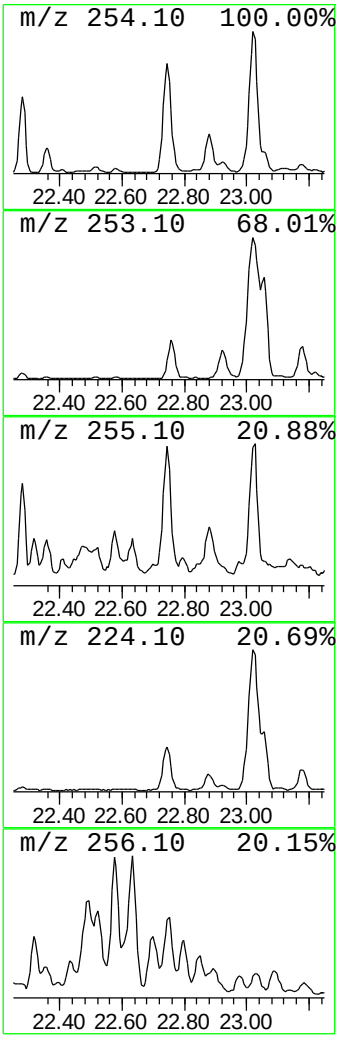
Peak Number 41 Anthracene, 9-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	26.73 ng/ul	379997	Perylene-d12	23.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	68
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
4	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	64
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64





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Quant Title : SVOA CALIBRATION

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

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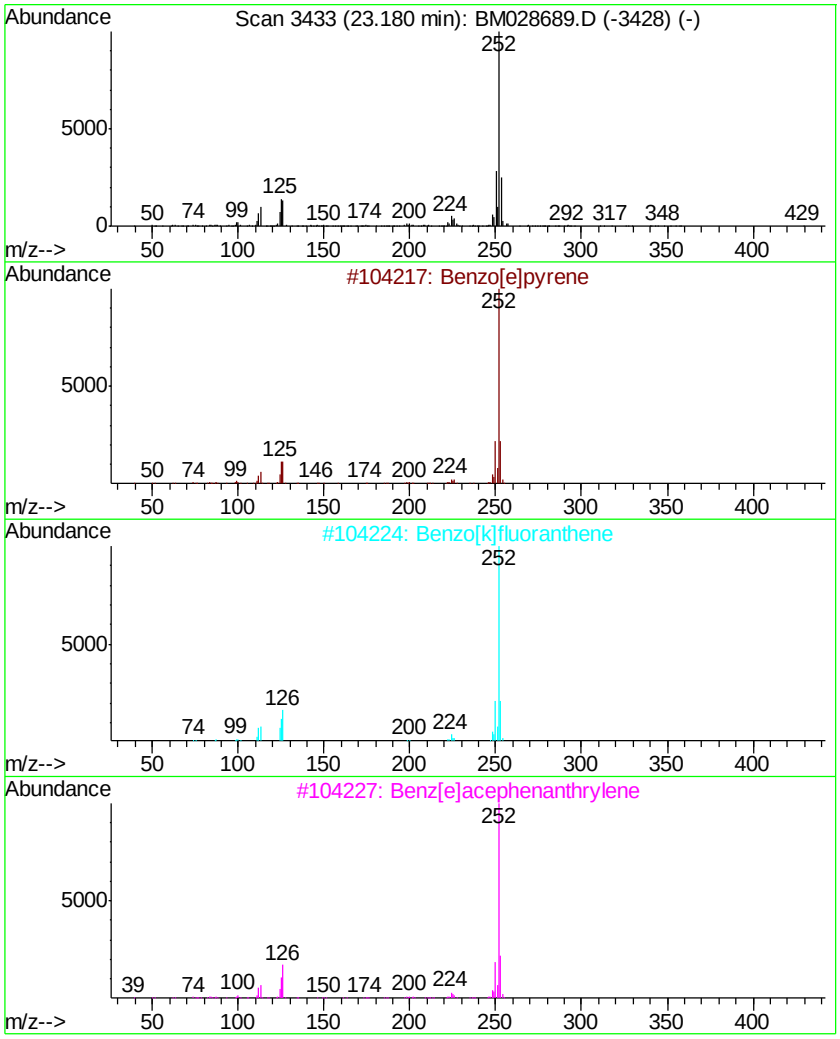
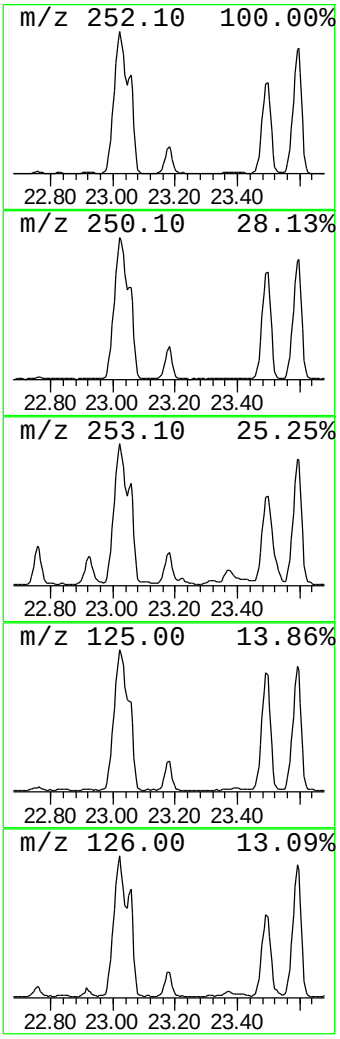
Peak Number 42 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.18	24.00 ng/ul	341307	Perylene-d12	23.68

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	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





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Quant Title : SVOA CALIBRATION

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

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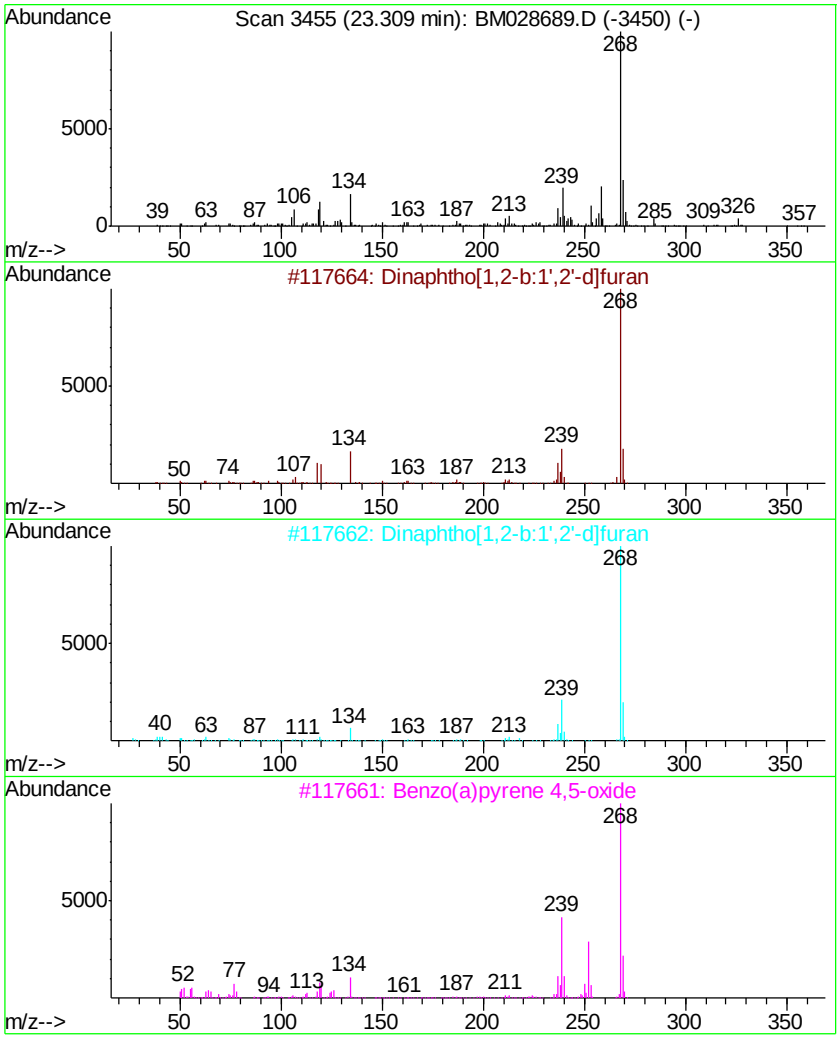
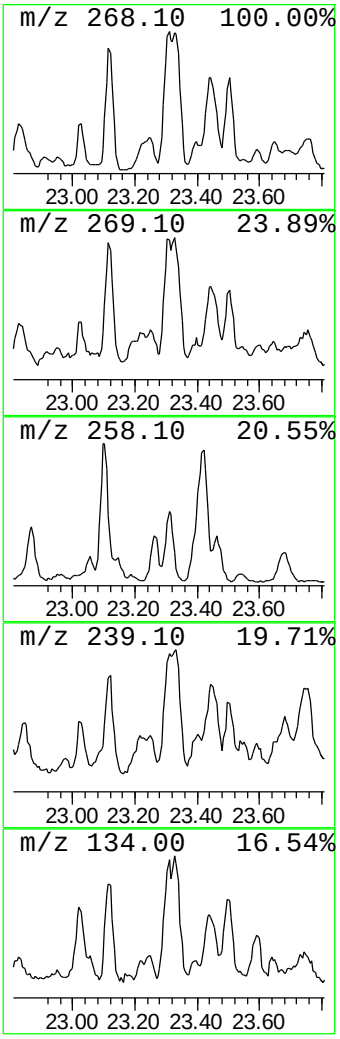
Peak Number 43 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.31	19.94 ng/ul	283456	Perylene-d12	23.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	86
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028689.D
Acq On : 09 Feb 2021 17:53
Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

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

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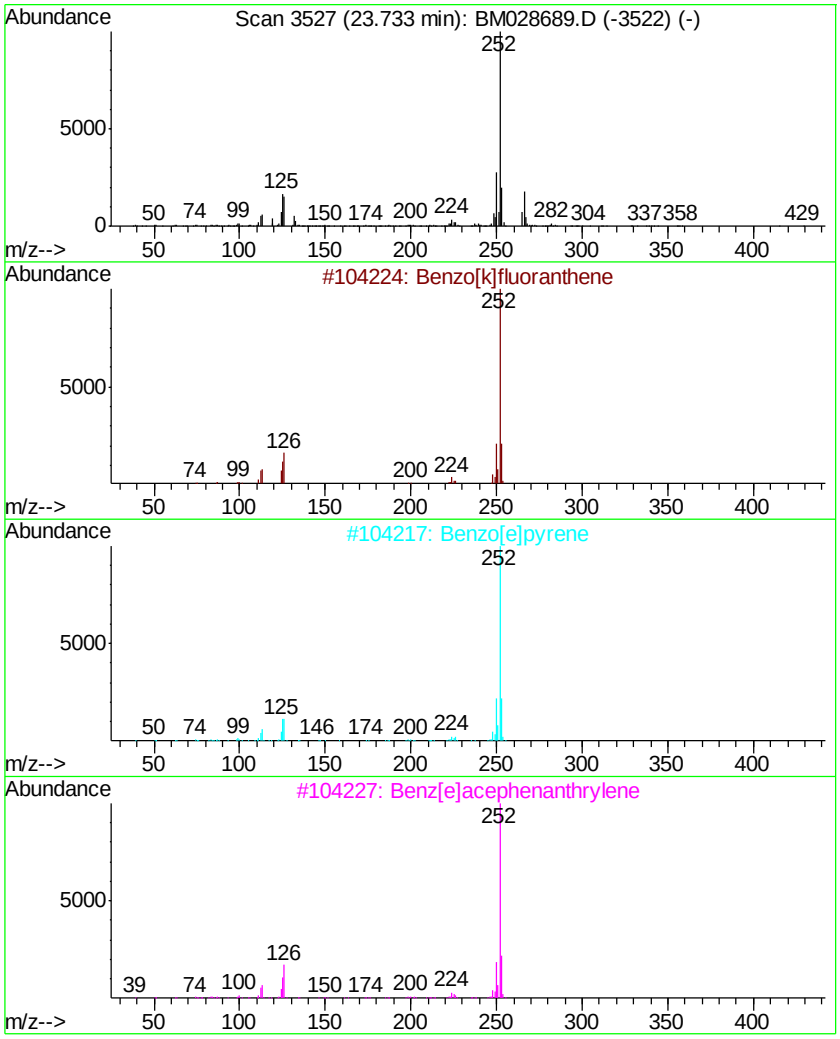
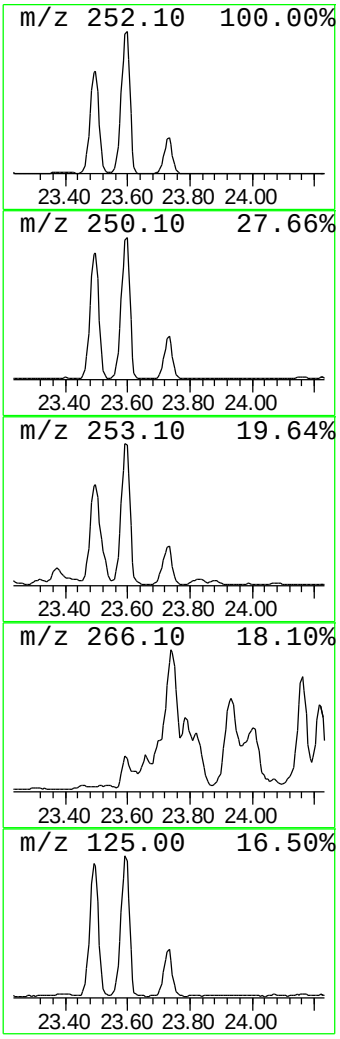
Peak Number 44 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.73	44.69 ng/ul	635398	Perylene-d12	23.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028689.D
Acq On : 09 Feb 2021 17:53
Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

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

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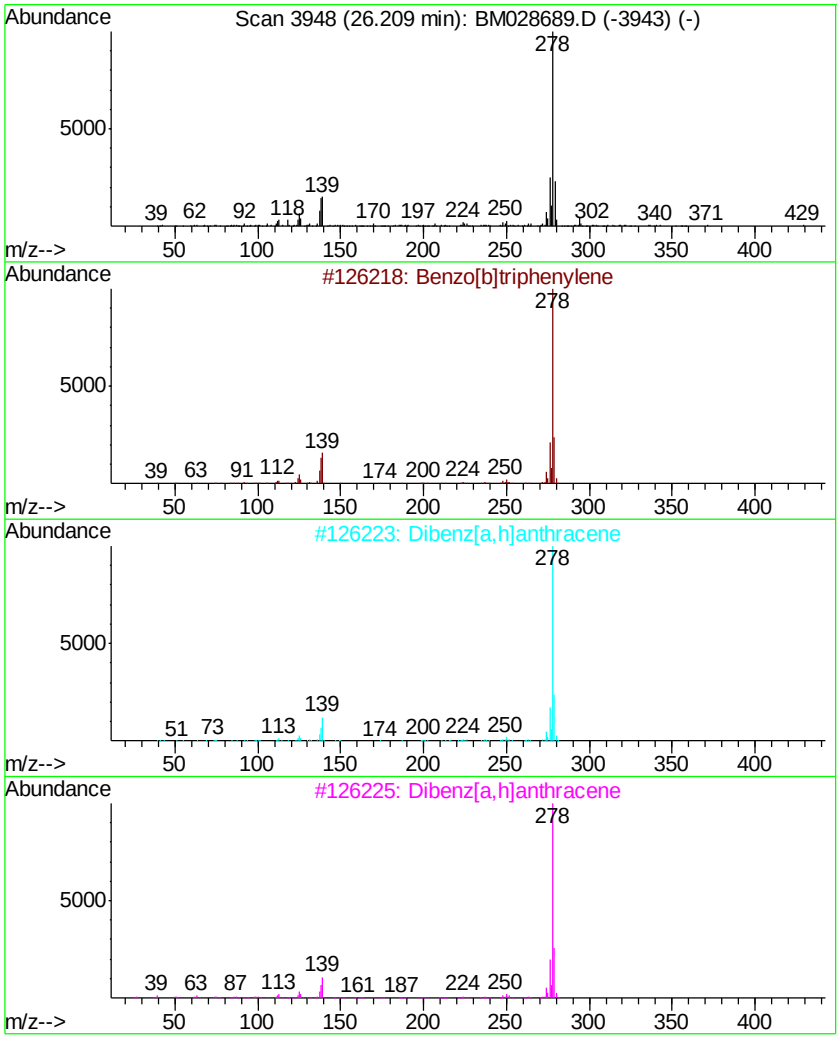
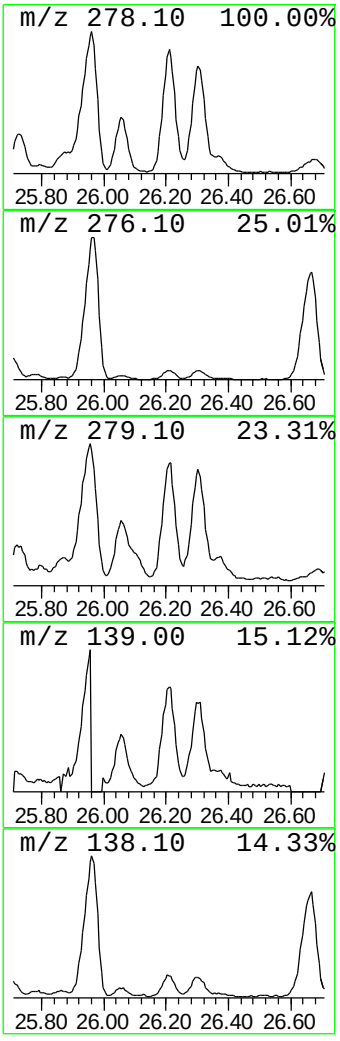
Peak Number 45 Benzo[b]triphenylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.21	17.21 ng/ul	244668	Perylene-d12	23.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4	Picene	278	C22H14	000213-46-7	94
5	Picene	278	C22H14	000213-46-7	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM020921\
Data File : BM028689.D
Acq On : 09 Feb 2021 17:53
Operator : CG/JU
Sample : M1310-12DL 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A39DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.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...	16.03	5.0	ng/ul	74455	4	17.29	297593	20.0
9H-Fluoren-9-one	16.94	16.7	ng/ul	248297	4	17.29	297593	20.0
8-Dimethylaminona...	17.02	4.4	ng/ul	64918	4	17.29	297593	20.0
Dibenzothiophene	17.10	10.0	ng/ul	149296	4	17.29	297593	20.0
Phenanthridine	17.47	4.7	ng/ul	69674	4	17.29	297593	20.0
Anthracene, 9-eth...	17.80	4.6	ng/ul	68511	4	17.29	297593	20.0
9H-Fluorene-9-thiol	17.86	9.4	ng/ul	140511	4	17.29	297593	20.0
Phenanthrene, 1-m...	18.16	37.9	ng/ul	563805	4	17.29	297593	20.0
Phenanthrene, 2-m...	18.20	43.3	ng/ul	643945	4	17.29	297593	20.0
Anthracene, 2-met...	18.28	13.4	ng/ul	199770	4	17.29	297593	20.0
4H-Cyclopenta[def...	18.34	45.2	ng/ul	672600	4	17.29	297593	20.0
Phenanthrene, 4-m...	18.39	21.3	ng/ul	317329	4	17.29	297593	20.0
3-Methylcarbazole	18.46	5.6	ng/ul	83379	4	17.29	297593	20.0
9H-Carbazole, 9-m...	18.50	4.4	ng/ul	65466	4	17.29	297593	20.0
Naphthalene, 2-ph...	18.65	26.2	ng/ul	389479	4	17.29	297593	20.0
9,10-Anthracenedione	18.70	33.9	ng/ul	503904	4	17.29	297593	20.0
Phenanthrene, 2,5...	18.89	13.3	ng/ul	197525	4	17.29	297593	20.0
Phenanthrene, 3,6...	18.94	6.9	ng/ul	102365	4	17.29	297593	20.0
di-p-Tolylacetylene	18.99	7.1	ng/ul	105298	4	17.29	297593	20.0
Phenanthrene, 1,7...	19.07	21.6	ng/ul	322047	4	17.29	297593	20.0
Phenanthrene, 2,3...	19.16	6.3	ng/ul	94542	4	17.29	297593	20.0
Cyclopenta(def)ph...	19.22	29.9	ng/ul	444828	4	17.29	297593	20.0
11H-Benzo[a]fluor...	20.93	5.0	ng/ul	903041	5	21.44	3601060	20.0
Benzo[b]naphtho[2...	21.09	4.5	ng/ul	814738	5	21.44	3601060	20.0
7H-Benz[de]anthra...	21.22	4.9	ng/ul	879539	5	21.44	3601060	20.0
Anthracene, 9-phe...	22.75	26.7	ng/ul	379997	6	23.68	284376	20.0
Benzo[e]pyrene	23.18	24.0	ng/ul	341307	6	23.68	284376	20.0
Dinaphtho[1,2-b:1...	23.31	19.9	ng/ul	283456	6	23.68	284376	20.0
unknown-01	23.73	44.7	ng/ul	635398	6	23.68	284376	20.0
Benzo[b]triphenylene	26.21	17.2	ng/ul	244668	6	23.68	284376	20.0