LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013424.D
Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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	6.857	635	641	649	rBV2	226841	434899	1.50%	0.211%
2	7.210	696	701	709	rVB2	242467	380925	1.32%	0.185%
3	7.675	774	780	788	rBV	1008172	1613956	5.58%	0.785%
4	8.210	863	871	877	rBV2	171520	306122	1.06%	0.149%
5	8.387	895	901	908	rBV	291847	497711	1.72%	0.242%
6	8.828	970	976	983	rVB	235206	400857	1.39%	0.195%
7	9.545	1092	1098	1105	rBV2	201275	352151	1.22%	0.171%
8	10.081	1184	1189	1198	rVB	298586	526886	1.82%	0.256%
9	10.451	1245	1252	1259	rBV	1399280	2372268	8.20%	1.153%
10	13.733	1804	1810	1814	rBV	598706	831688	2.88%	0.404%
11	14.010	1847	1857	1859	rBV	683120	1036856	3.59%	0.504%
12	14.039	1859	1862	1870	rVB	667402	1009120	3.49%	0.491%
13	14.321	1903	1910	1919	rBV2	1949864	3215390	11.12%	1.563%
14	14.539	1939	1947	1957	rBV3	183924	367828	1.27%	0.179%
15	15.315	2073	2079	2084	rBV	815996	1168719	4.04%	0.568%
16	15.445	2095	2101	2107	rBV	195895	303996	1.05%	0.148%
17	16.045	2197	2203	2218	rVB2	507960	921821	3.19%	0.448%
18	17.068	2371	2377	2382	rBV2	2456161	3549682	12.27%	1.725%
19	17.162	2388	2393	2396	rVV2	794972	1188775	4.11%	0.578%
20	17.198	2396	2399	2406	rVB	970466	1358267	4.70%	0.660%
21	17.745	2484	2492	2502	rVB4	184662	420578	1.45%	0.204%
22	18.068	2542	2547	2551	rVV	208012	305905	1.06%	0.149%
23	18.139	2555	2559	2567	rVB3	180815	336907	1.16%	0.164%
24	18.339	2589	2593	2602	rVB2	268478	435270	1.51%	0.212%
25	19.009	2702	2707	2713	rBV	1951355	2765560	9.56%	1.344%
26	19.133	2722	2728	2733	rVB	5798636	7627855	26.37%	3.708%
27	19.227	2741	2744	2749	rVV	316782	373063	1.29%	0.181%
28	19.368	2763	2768	2773	rBV2	344059	630596	2.18%	0.307%
29	19.503	2780	2791	2797	rBV	20166902	28921562	100.00%	14.059%
30	19.574	2798	2803	2808	rVB4	241661	509456	1.76%	0.248%
31	19.674	2815	2820	2825	rBV3	447150	833224	2.88%	0.405%
32	19.727	2825	2829	2833	rVB	476355	606583	2.10%	0.295%
33	19.833	2840	2847	2852	rBV3	1143184	2567047	8.88%	1.248%
34	19.974	2863	2871	2881	rBV	2960503	6879117	23.79%	3.344%

LSC Area Percent Report

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Data File : BM013424.D
Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

35	20.092	2887	2891	2894	rBV	672424	809395	2.80%	0.393%
36	20.150	2894	2901	2905	rVV2	2295277	3510302	12.14%	1.706%
37	20.186	2905	2907	2910	rVB	474682	506765	1.75%	0.246%
38	20.292	2920	2925	2929	rBV	2511709	3339989	11.55%	1.624%
39	20.339	2929	2933	2936	rVB	1234066	1718312	5.94%	0.835%
40	20.415	2941	2946	2950	rBV	753347	1028555	3.56%	0.500%
41	20.545	2964	2968	2970	rBV3	316739	490926	1.70%	0.239%
42	20.650	2984	2986	2990	rVB2	418677	445548	1.54%	0.217%
43	20.697	2991	2994	2998	rVV4	321406	402067	1.39%	0.195%
44	20.745	2998	3002	3008	rBV3	617192	1040838	3.60%	0.506%
45	20.903	3023	3029	3033	rBV2	1080291	2011971	6.96%	0.978%
46	20.945	3033	3036	3039	rVV	1073695	1474141	5.10%	0.717%
47	20.986	3039	3043	3049	rVV2	4047319	5944762	20.55%	2.890%
48	21.039	3049	3052	3056	rVB	418082	518325	1.79%	0.252%
49	21.133	3063	3068	3076	rBV6	385498	1056174	3.65%	0.513%
50	21.250	3080	3088	3090	rBV	4858801	8214635	28.40%	3.993%
51	21.303	3090	3097	3103	rVV	10806938	21413609	74.04%	10.409%
52	21.380	3107	3110	3113	rBV3	245786	292293	1.01%	0.142%
53	21.427	3113	3118	3123	rBV2	708219	1448196	5.01%	0.704%
54	21.562	3137	3141	3147	rBV	1587055	2169579	7.50%	1.055%
55	21.621	3147	3151	3155	rBV2	867637	1147322	3.97%	0.558%
56	21.756	3170	3174	3176	rBV2	505839	709797	2.45%	0.345%
57	21.809	3176	3183	3186	rVV	1225751	2351168	8.13%	1.143%
58	21.862	3189	3192	3196	rVB2	622441	849188	2.94%	0.413%
59	22.003	3212	3216	3219	rBV	736631	1040968	3.60%	0.506%
60	22.103	3229	3233	3238	rVB2	435128	627649	2.17%	0.305%
61	22.427	3285	3288	3289	rBV	338438	387864	1.34%	0.189%
62	22.456	3290	3293	3298	rVB	1068295	1538350	5.32%	0.748%
63	22.562	3306	3311	3317	rBV3	958831	2182393	7.55%	1.061%
64	22.697	3330	3334	3340	rVB2	777017	1305809	4.52%	0.635%
65	22.839	3349	3358	3362	rBV	10725643	24851215	85.93%	12.080%
66	22.991	3379	3384	3393	rBV	999885	1662406	5.75%	0.808%
67	23.121	3402	3406	3417	rBV2	567334	1507205	5.21%	0.733%
68	23.303	3431	3437	3442	rVB	4823163	8298323	28.69%	4.034%
69	23.397	3447	3453	3459	rVB	4664438	7979720	27.59%	3.879%
70	23.486	3463	3468	3472	rVV	985305	1853323	6.41%	0.901%
71	23.538	3473	3477	3484	rVB2	852085	1732764	5.99%	0.842%

LSC Area Percent Report

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Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

72	25.203	3751	3760	3767	rVB	1321174	3267321	11.30%	1.588%
73	25.480	3803	3807	3815	rVB4	436430	997784	3.45%	0.485%
74	25.721	3839	3848	3859	rVB	1833947	5346086	18.48%	2.599%
75	26.403	3955	3964	3974	rVB2	1078972	3197286	11.06%	1.554%

Sum of corrected areas: 205720963

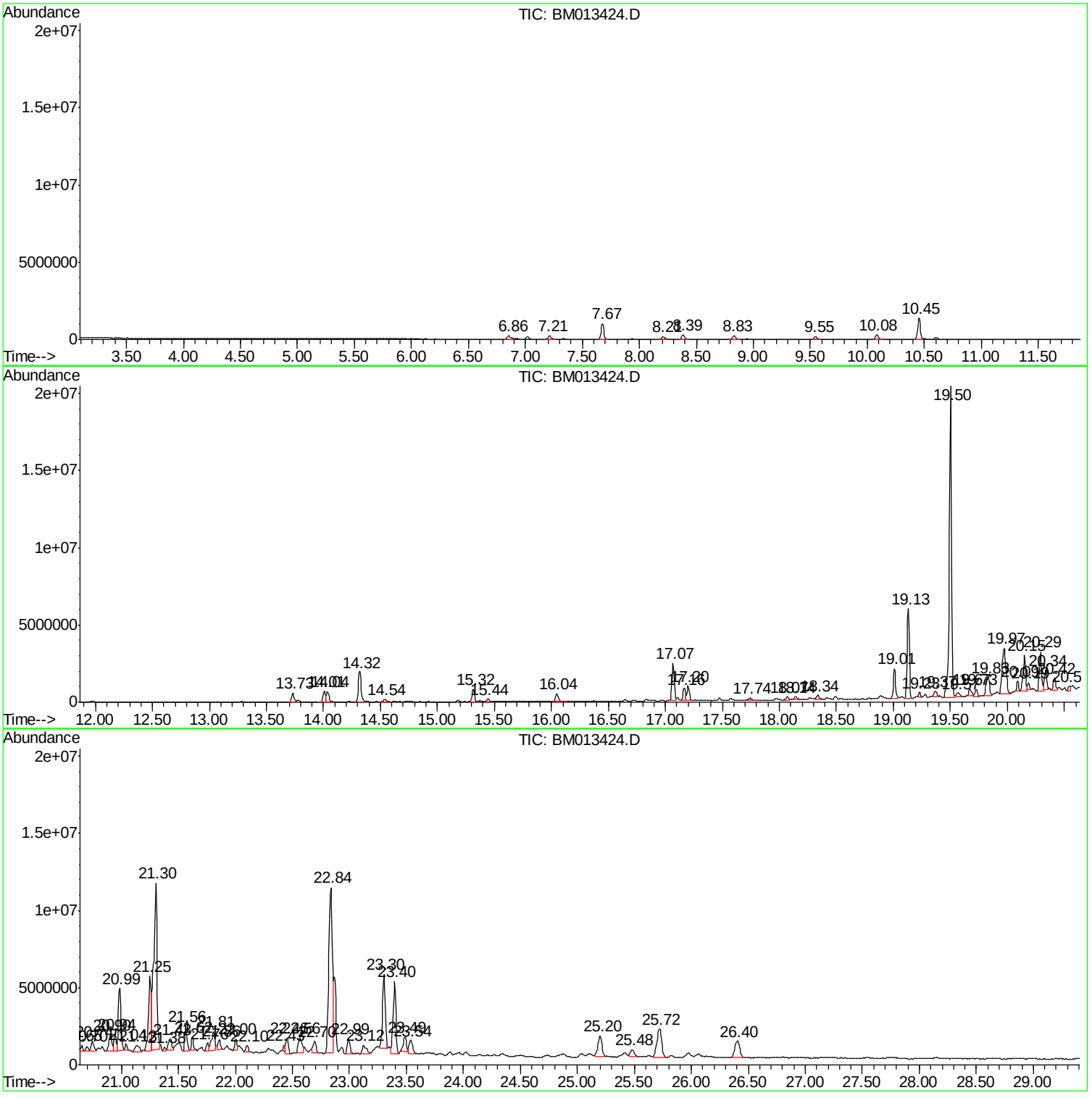
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013424.D
Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013424.D
Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

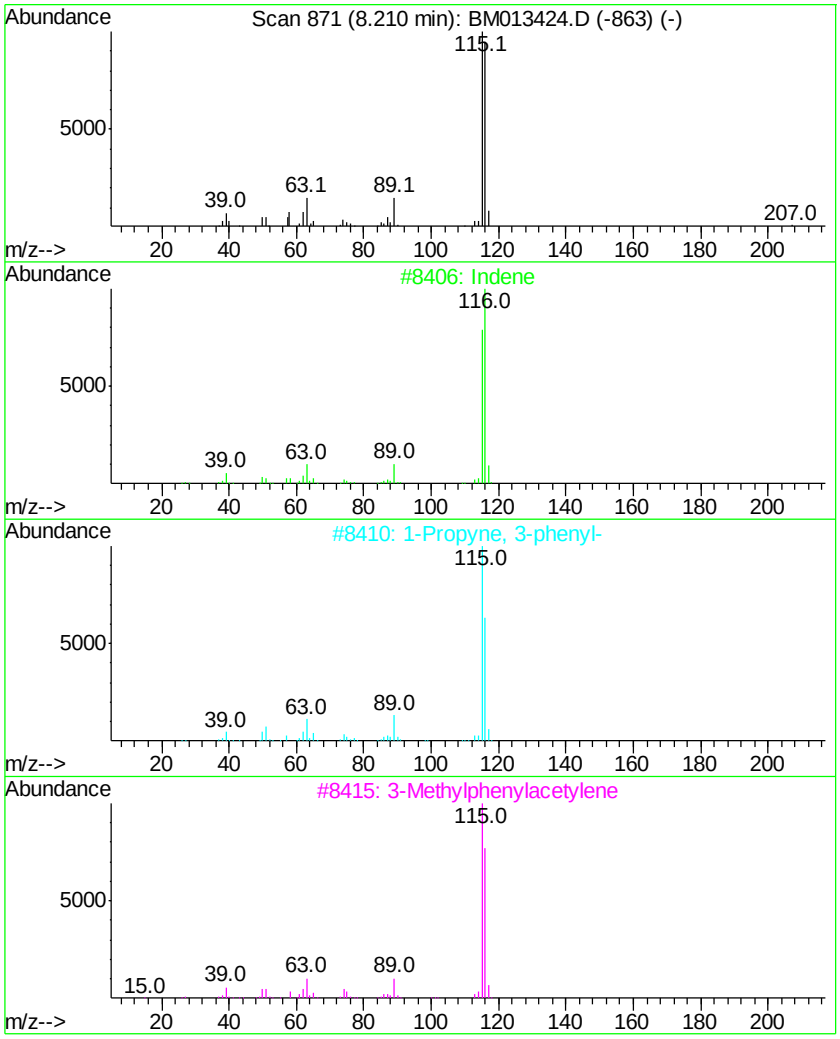
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

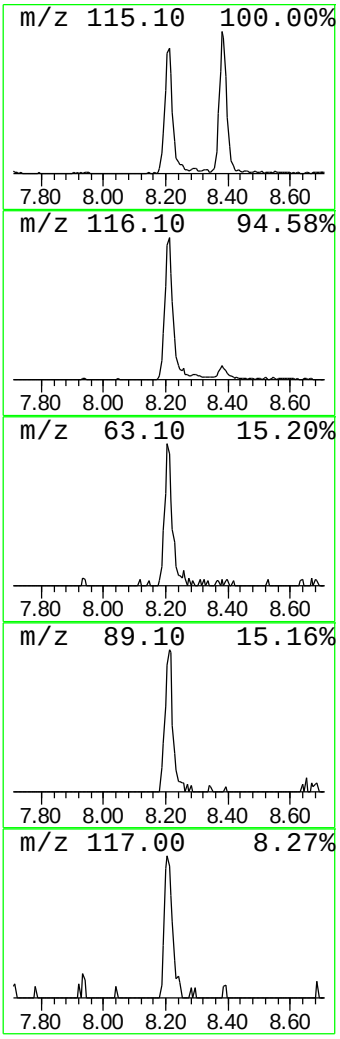
****

Peak Number 1 Indene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	3.79 ng/ul	306122	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Indene	116	C9H8	000095-13-6	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013424.D
Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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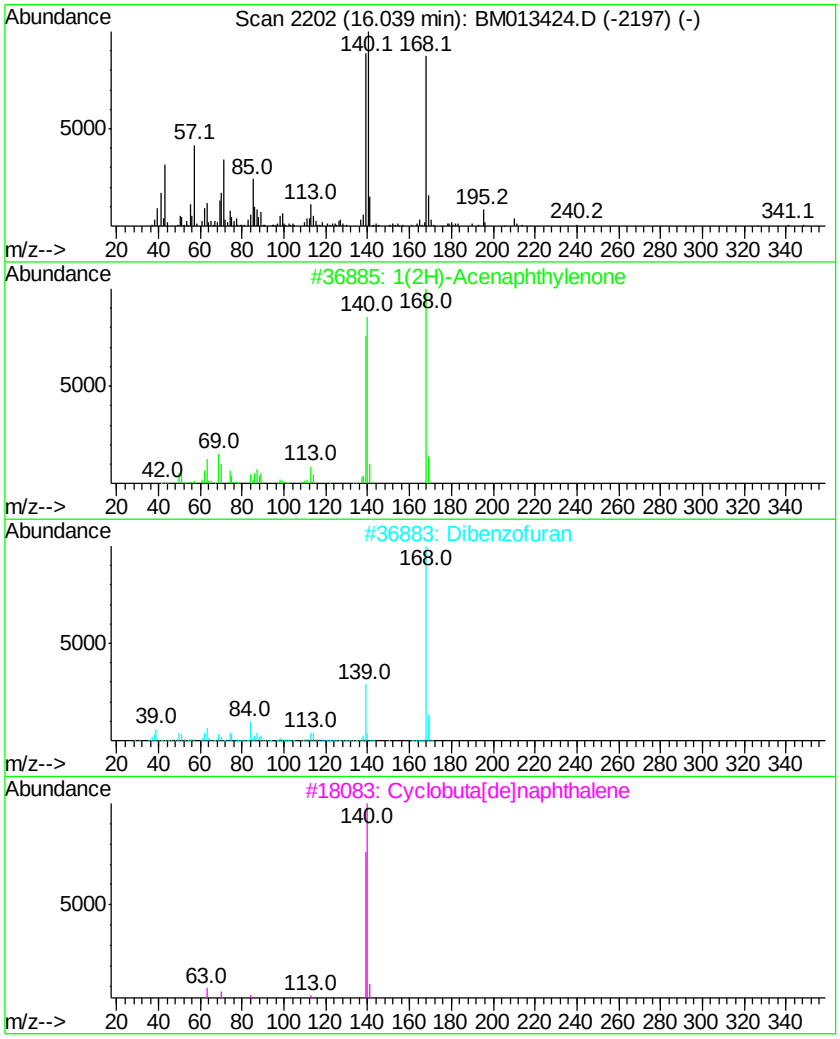
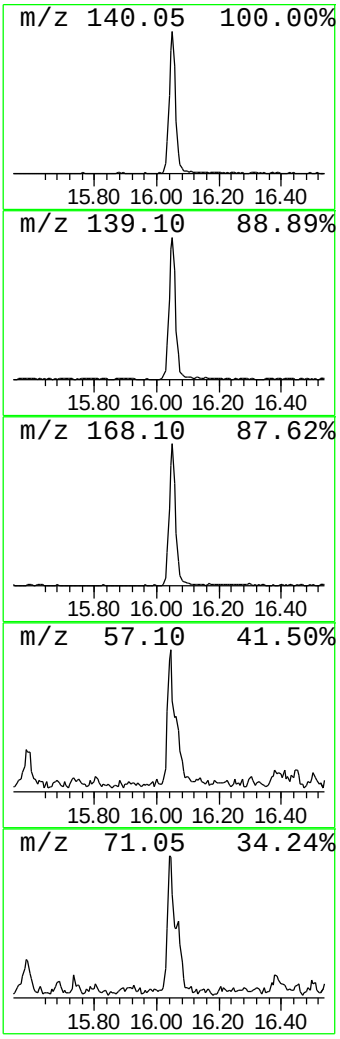
Peak Number 2 1(2H)-Acenaphthylenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	5.19 ng/ul	921821	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	96
2	Dibenzofuran	168	C12H8O	000132-64-9	64
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	53
4	Alanylalanylalanine, N,N',N''-tr...	383	C18H29N3O6	1000329-34-2	47
5	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	47





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013424.D
Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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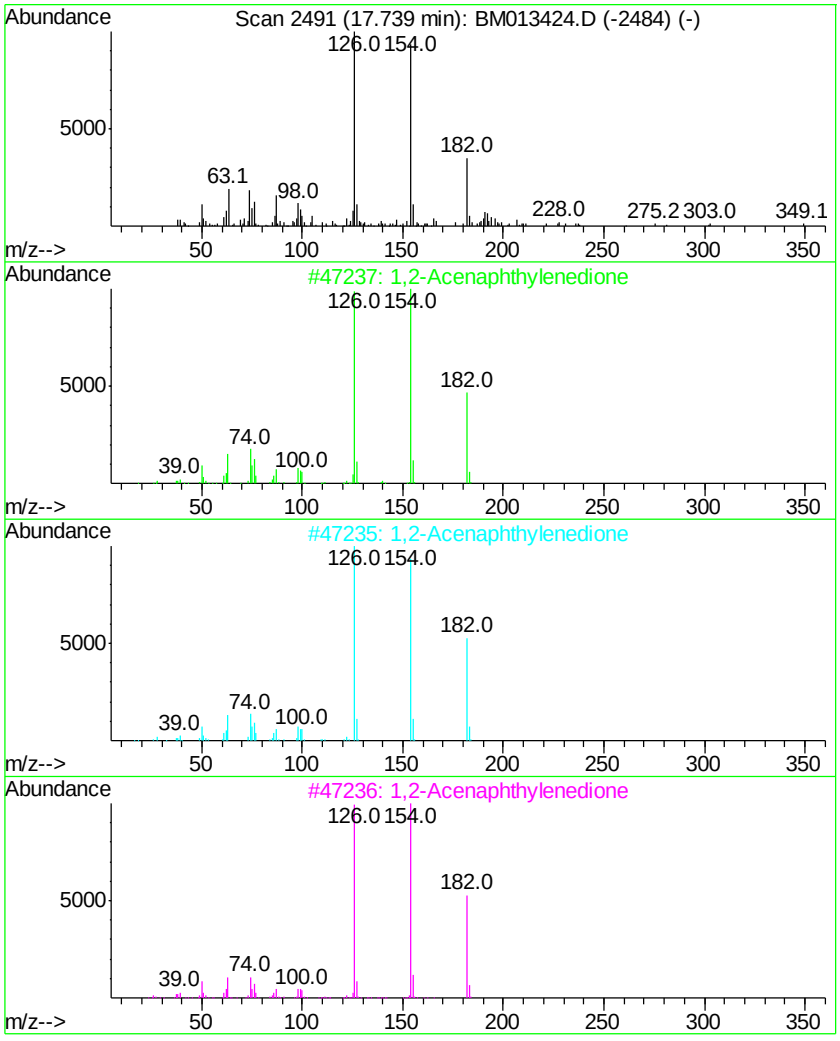
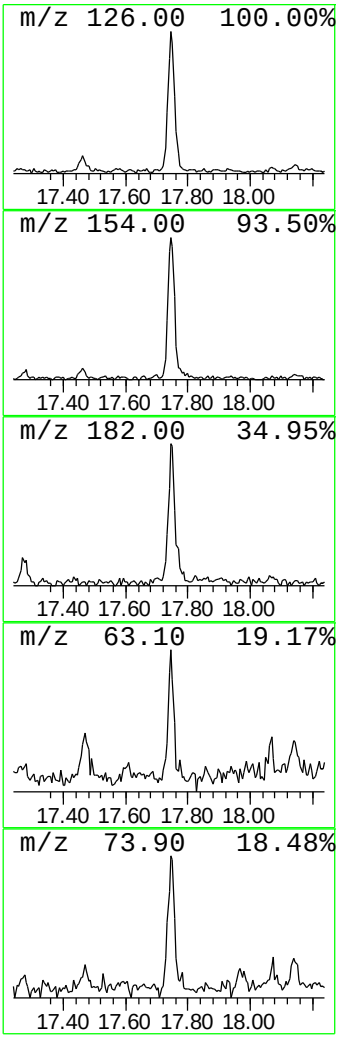
Peak Number 3 1,2-Acenaphthylenedione Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	2.37 ng/ul	420578	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	98
2	1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	96
3	1,2-Acenaphthylenedione	182	C12H6O2	000082-86-0	94
4	1H-Benz[f]indene-1,3(2H)-dione, ...	228	C13H8O4	038627-57-5	93
5	1H-Benz[f]indene-1,2,3-trione	210	C13H6O3	020927-01-9	78





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013424.D
Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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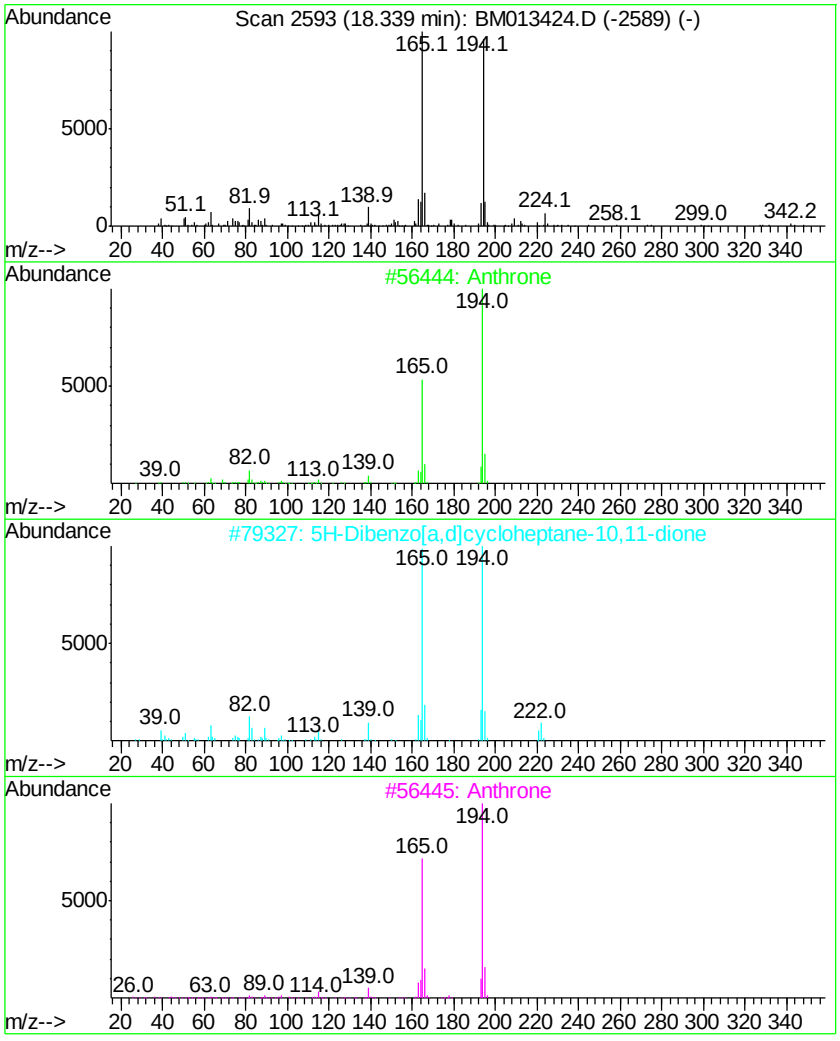
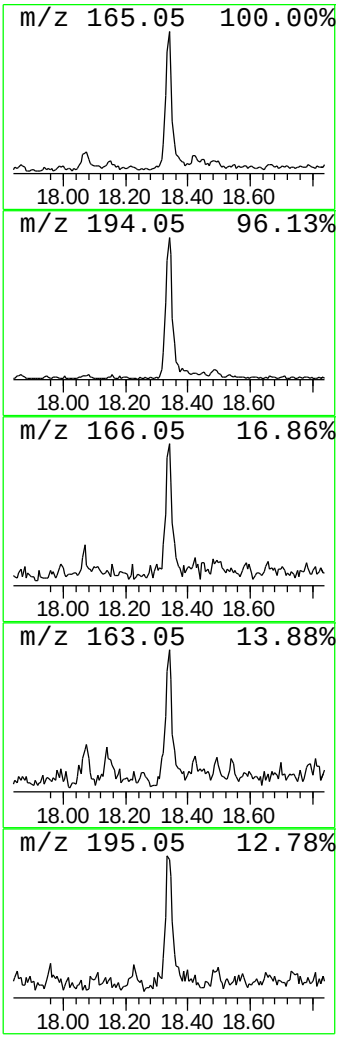
Peak Number 4 Anthrone Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.45 ng/ul	435270	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	94
2	5H-Dibenzo[a,d]cycloheptane-10,1...	222	C15H10O2	052559-75-8	91
3	Anthrone	194	C14H10O	000090-44-8	90
4	3-Phenanthrol	194	C14H10O	000605-87-8	86
5	9-Phenanthrenol	194	C14H10O	000484-17-3	86





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013424.D
Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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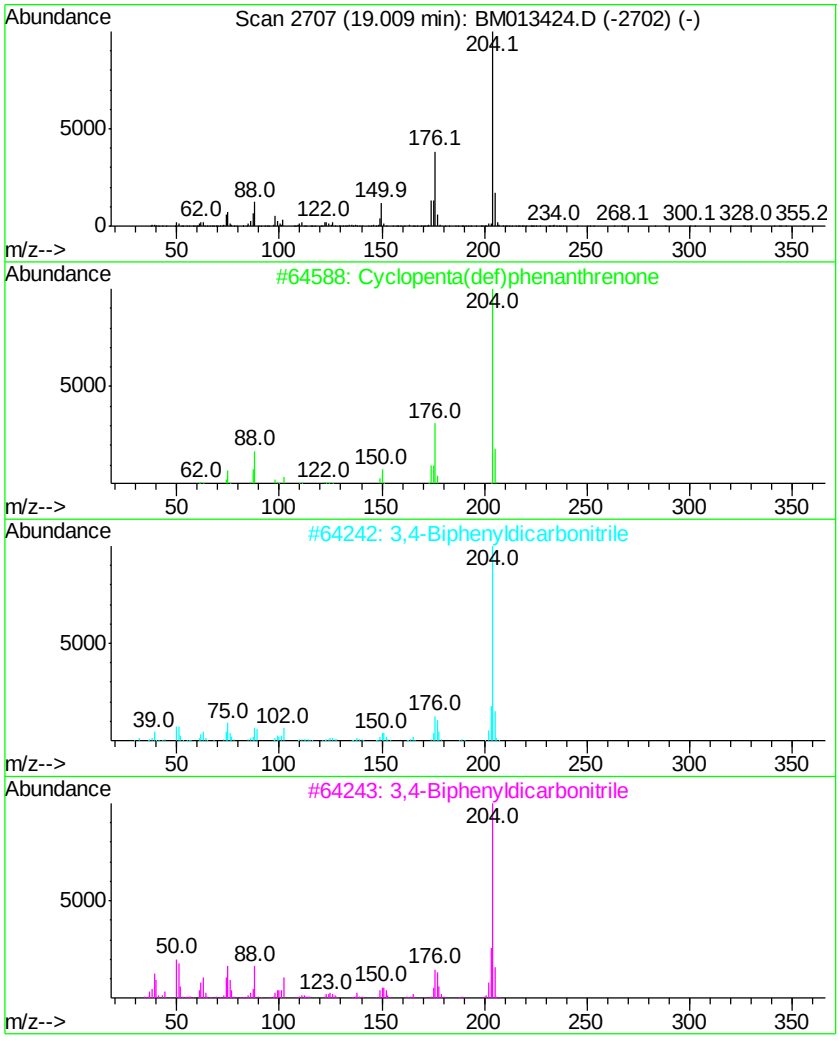
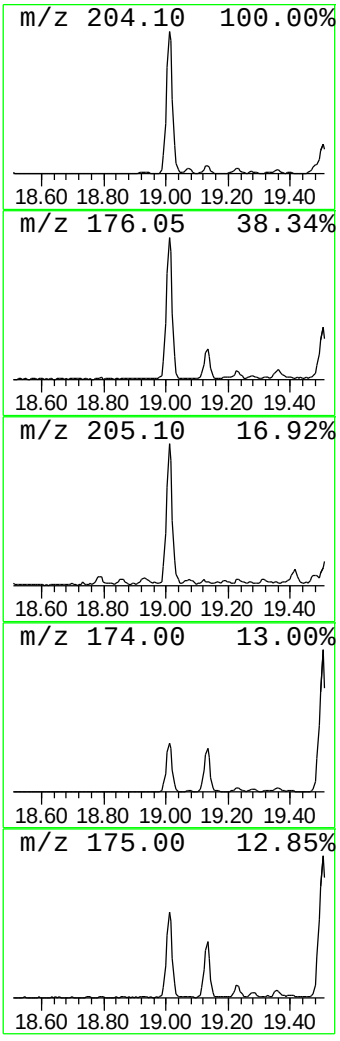
Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	15.58 ng/ul	2765560	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	47





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013424.D
Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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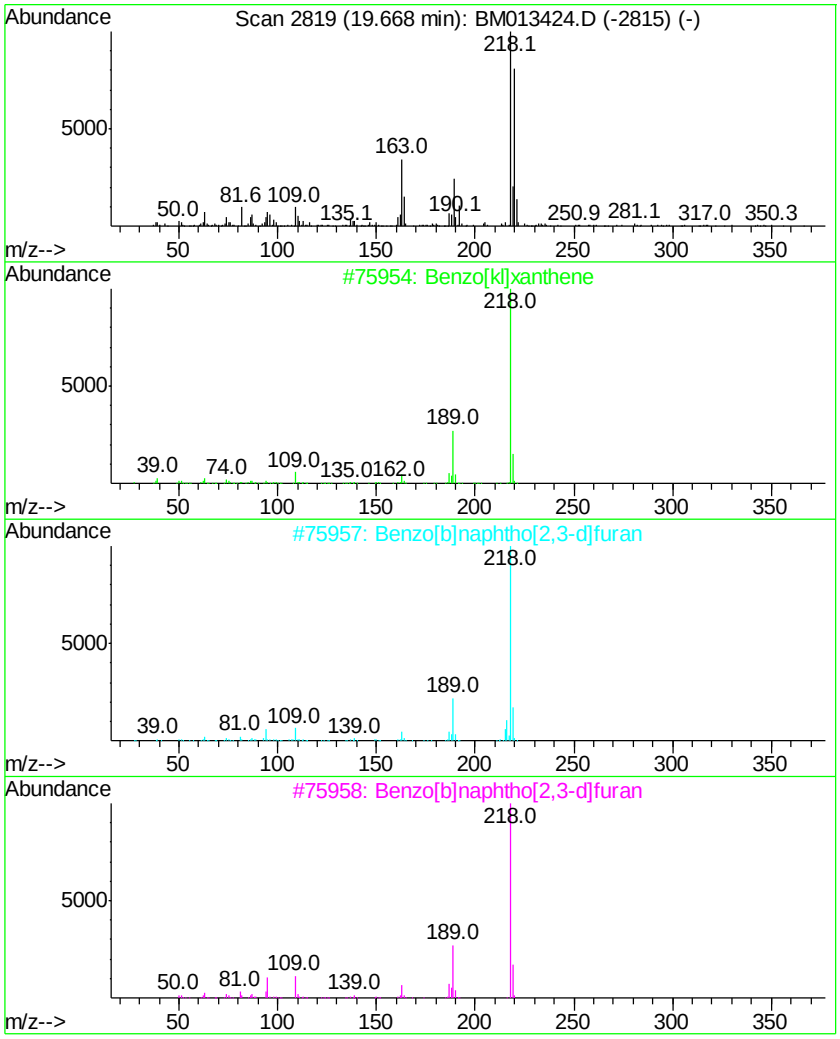
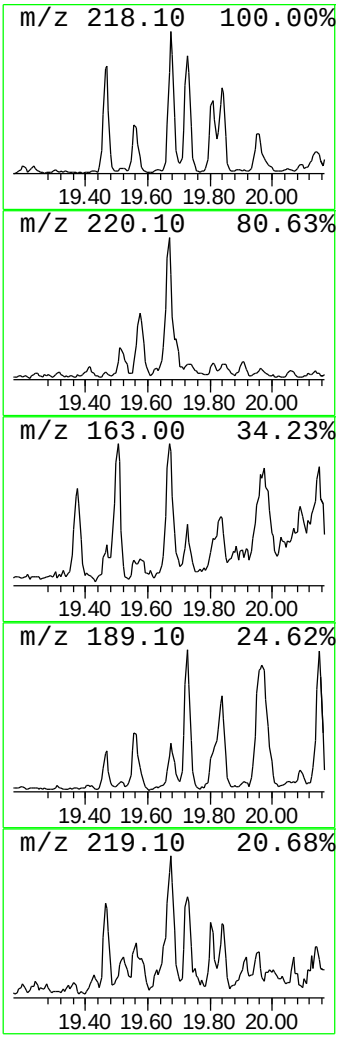
Peak Number 6 Benzo[kl]xanthene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	2.03 ng/ul	833224	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	64
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	64
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	58
4	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	58
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	58





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Misc :
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Instrument : BNA_M
ClientSampleId : F9A46

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Quant Title : SVOA CALIBRATION

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

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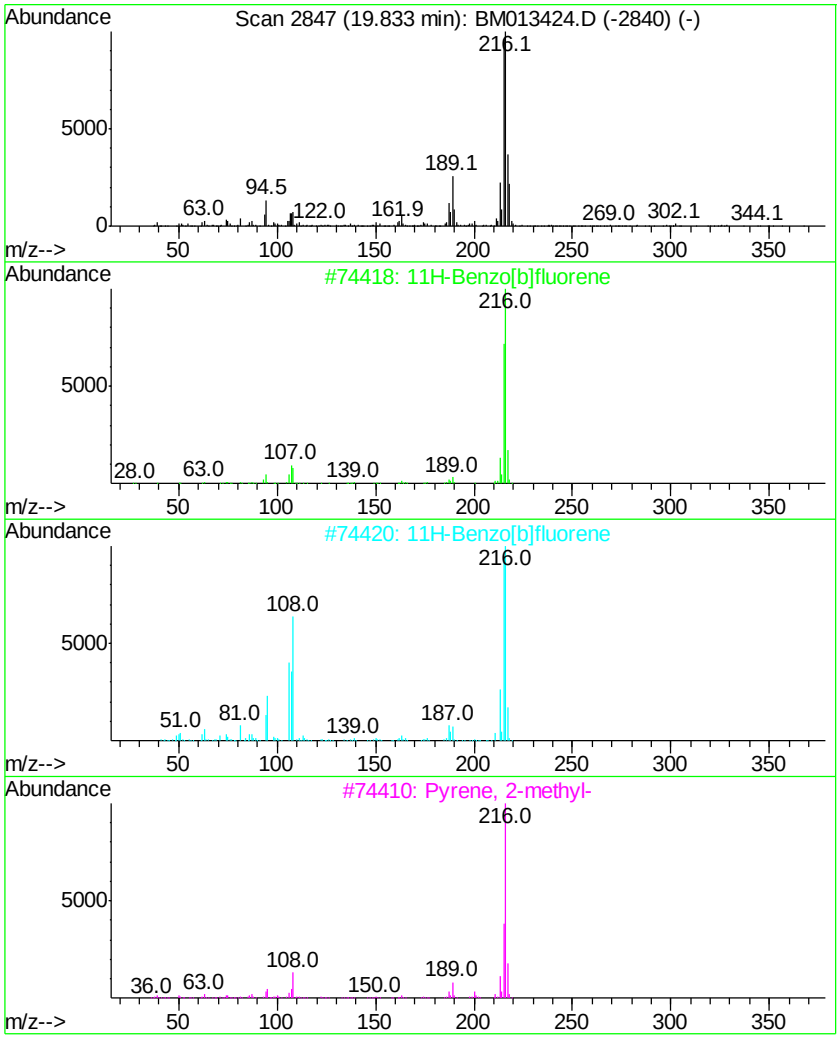
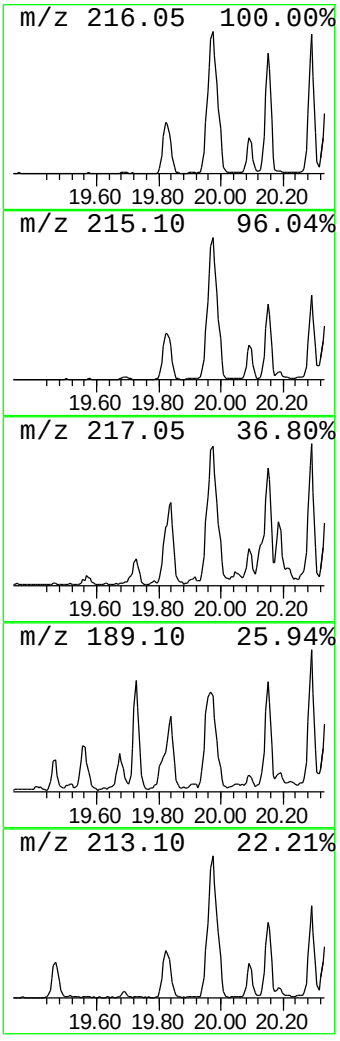
Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	6.25 ng/ul	2567050	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





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ClientSampleId : F9A46

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Quant Title : SVOA CALIBRATION

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

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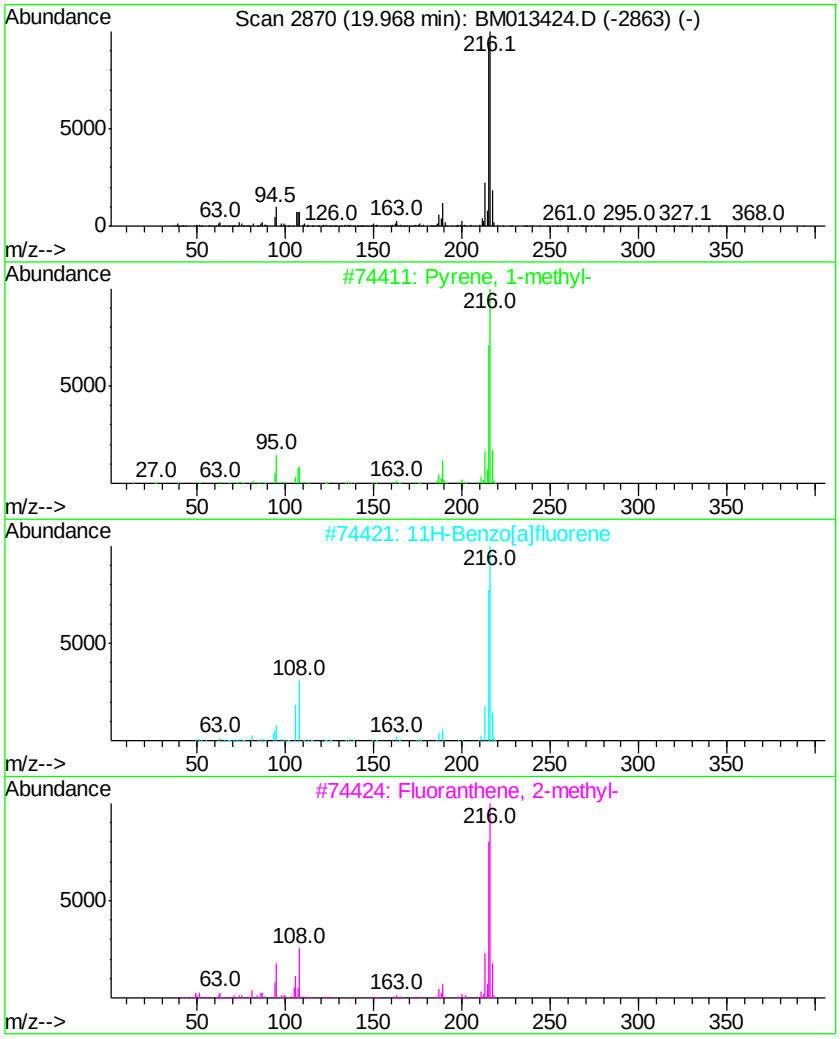
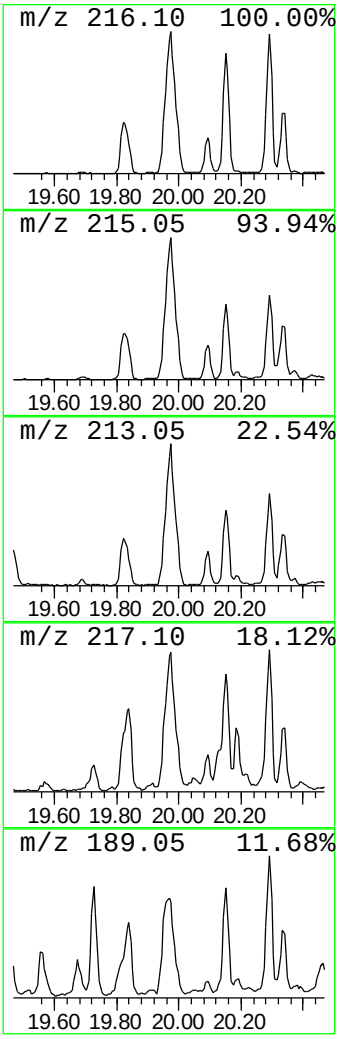
Peak Number 8 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	16.75 ng/ul	6879120	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Quant Title : SVOA CALIBRATION

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

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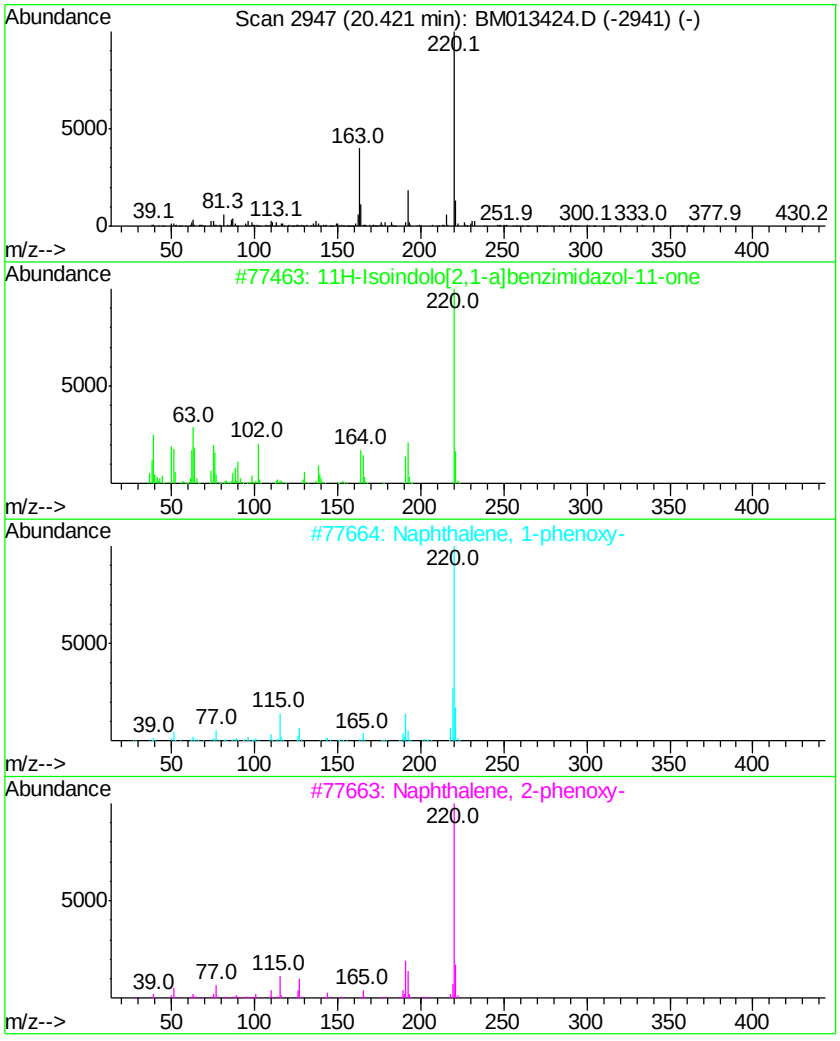
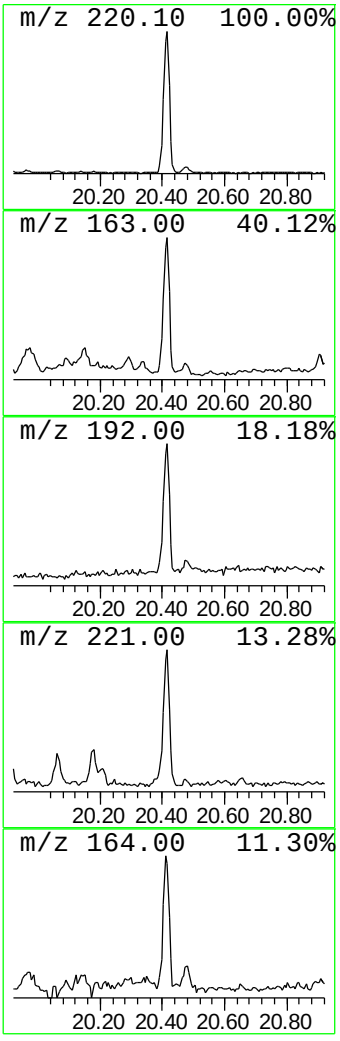
Peak Number 12 11H-Isoindolo[2,1-a]benzimi... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	2.50 ng/ul	1028560	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Isoindolo[2,1-a]benzimidazol...	220	C14H8N2O	002717-05-7	50
2	Naphthalene, 1-phenoxy-	220	C16H12O	003402-76-4	47
3	Naphthalene, 2-phenoxy-	220	C16H12O	019420-29-2	47
4	2,3-Quinoxalinedione, 6,7-diamin...	220	C10H12N4O2	1000338-39-4	47
5	7-Methoxybenzofuran-2-carboxylic...	220	C12H12O4	050551-58-1	47





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Quant Title : SVOA CALIBRATION

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

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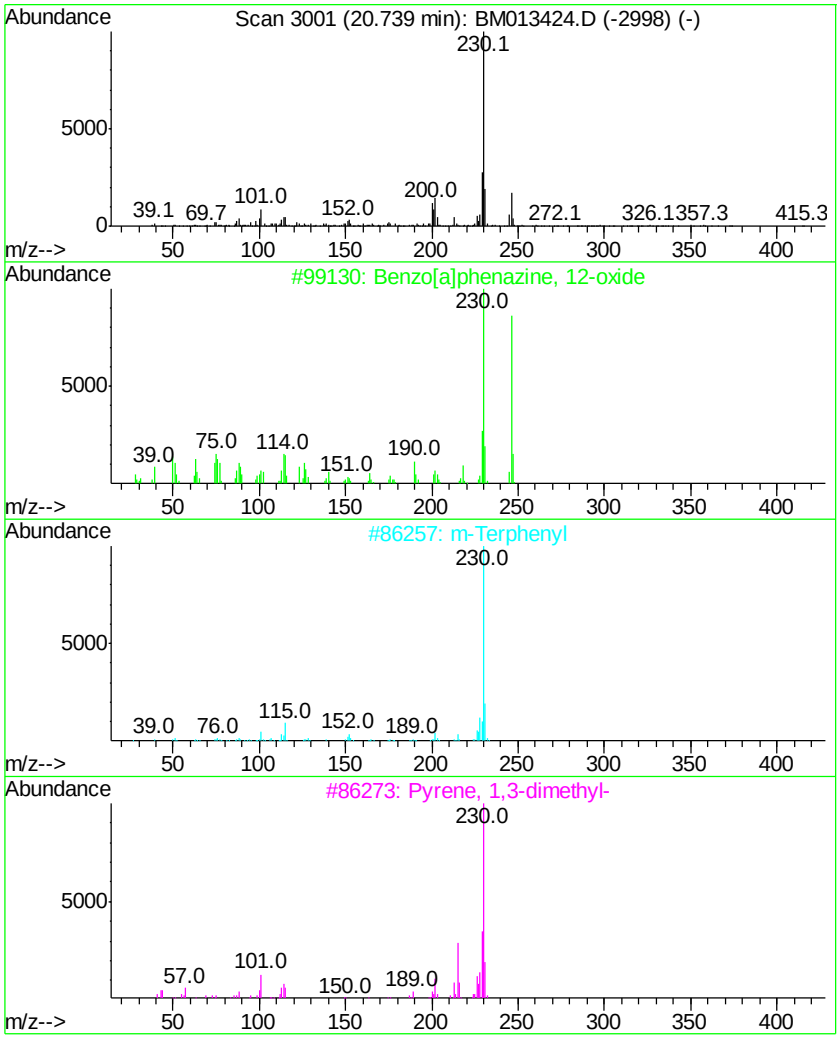
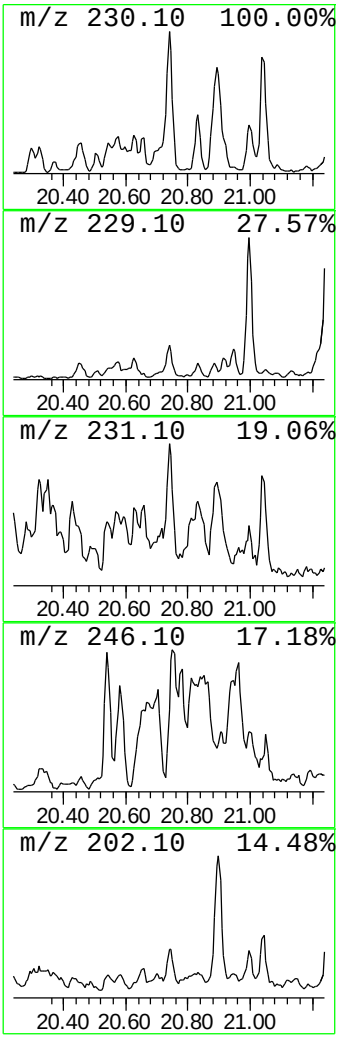
Peak Number 13 Benzo[a]phenazine, 12-oxide Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	2.53 ng/ul	1040840	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]phenazine, 12-oxide	246	C16H10N2O	018636-87-8	74
2	m-Terphenyl	230	C18H14	000092-06-8	60
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	58
4	m-Terphenyl	230	C18H14	000092-06-8	53
5	6,9-Dimethoxy-4-methyl-2,3-dihyd...	245	C14H15NO3	001723-11-1	50





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Quant Title : SVOA CALIBRATION

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

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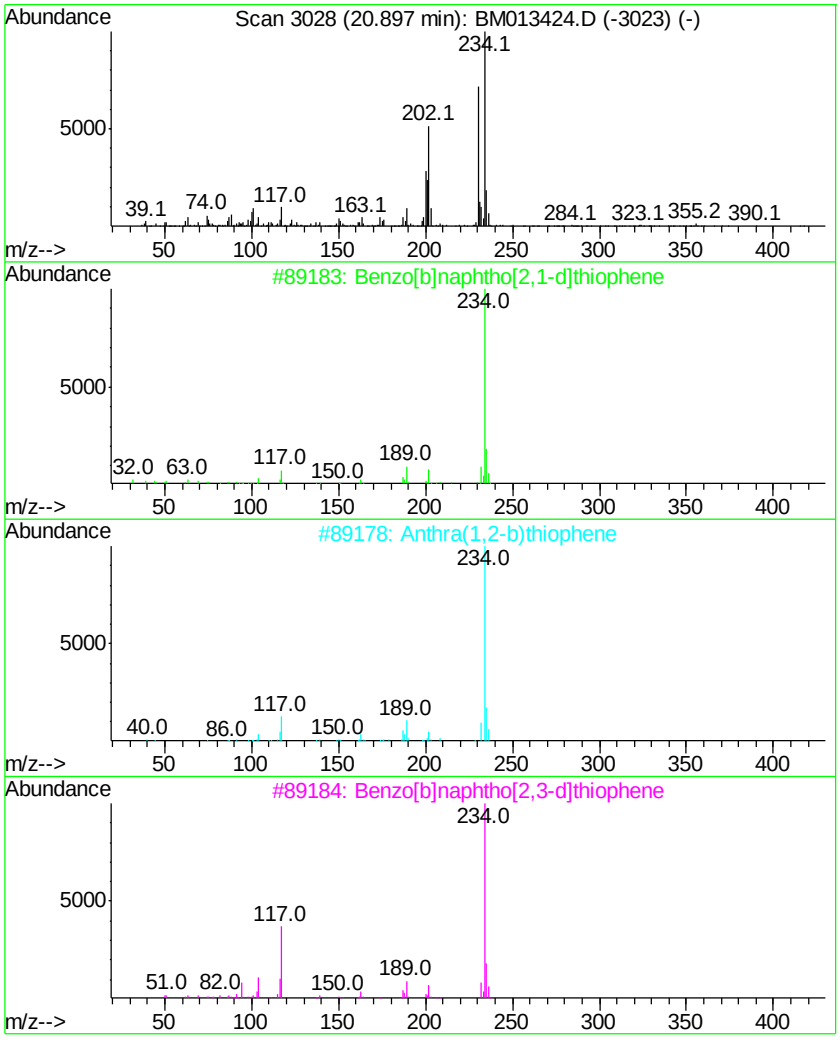
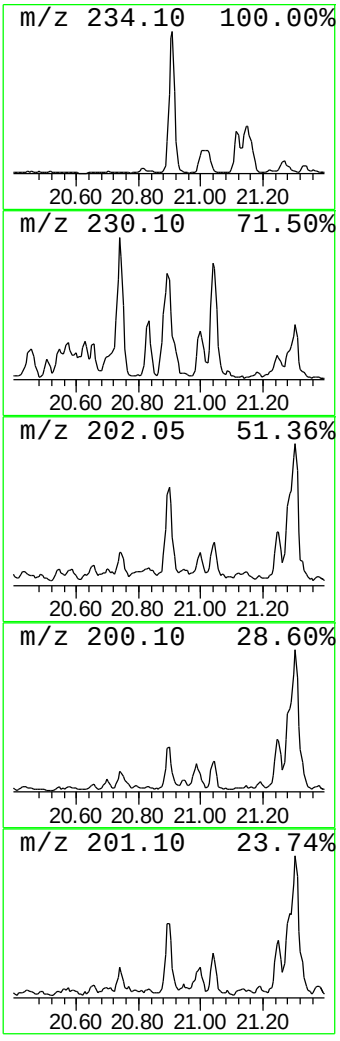
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	4.90 ng/ul	2011970	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62





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Quant Title : SVOA CALIBRATION

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

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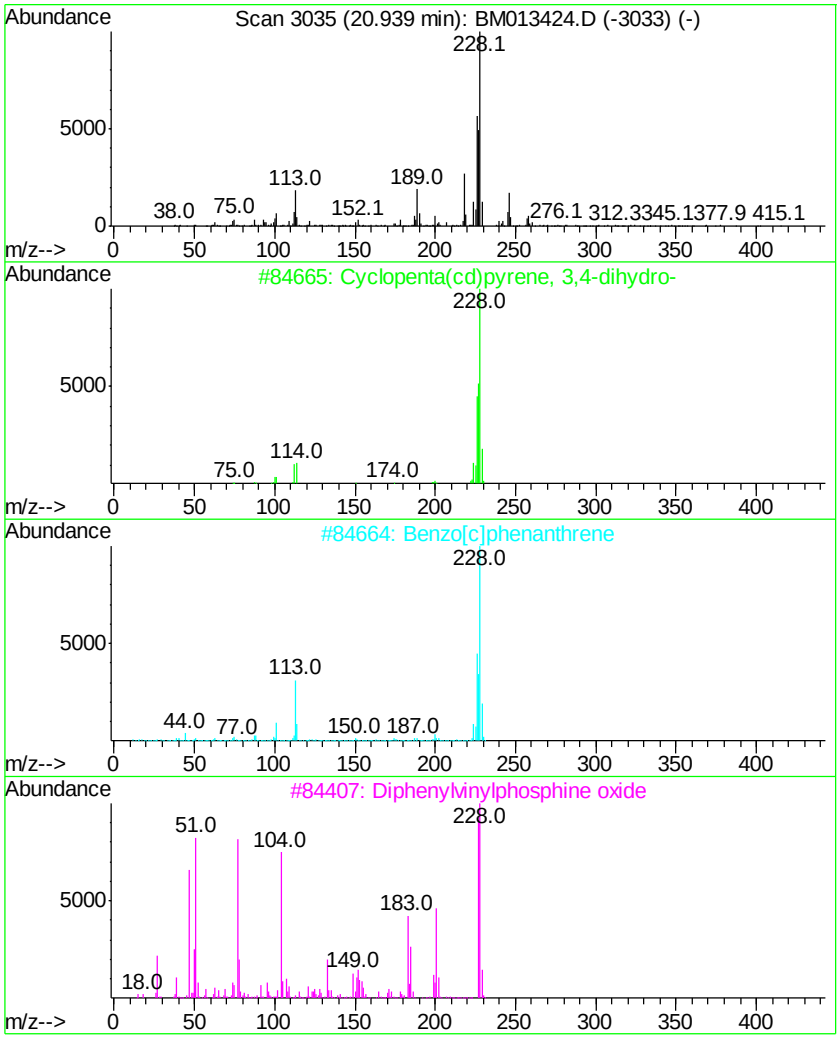
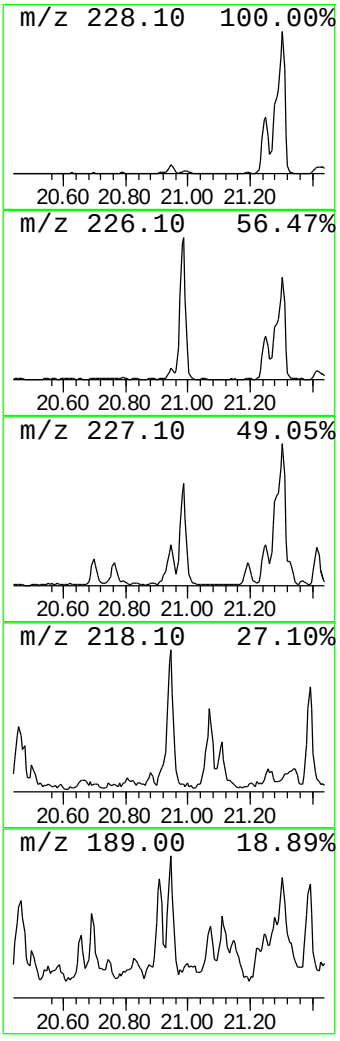
Peak Number 15 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	3.59 ng/ul	1474140	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	41
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	38
4	Triphenylene	228	C18H12	000217-59-4	38
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	35





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Quant Title : SVOA CALIBRATION

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

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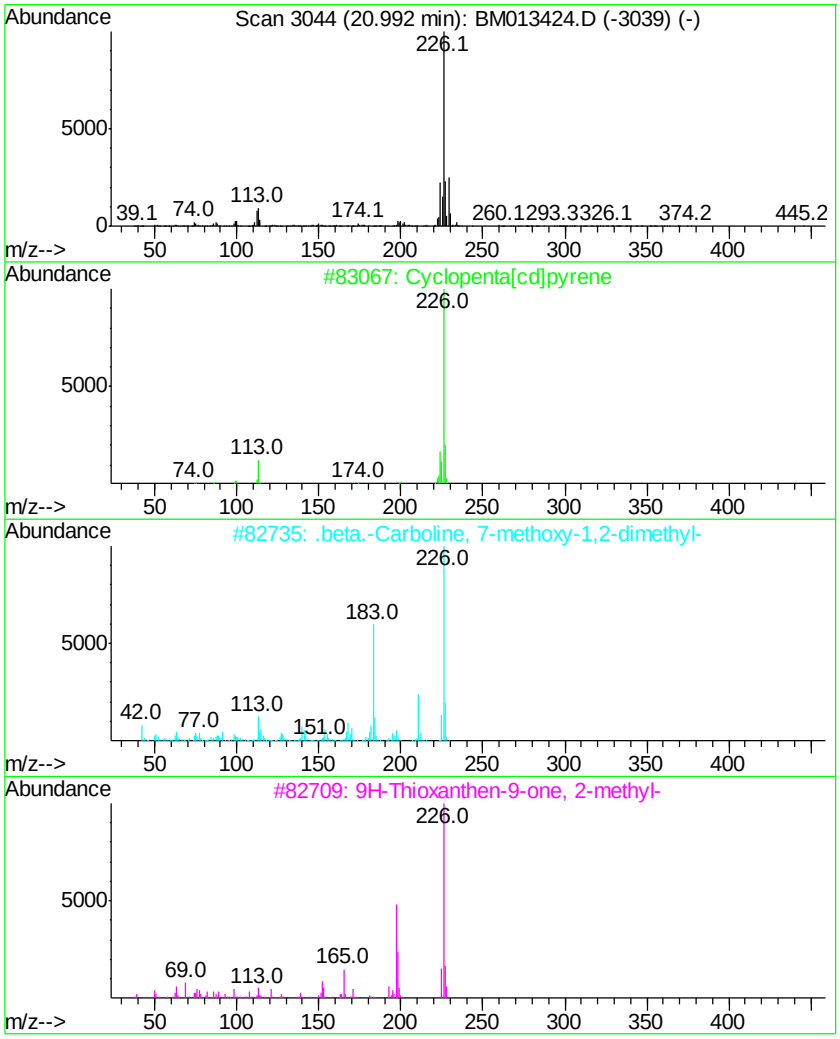
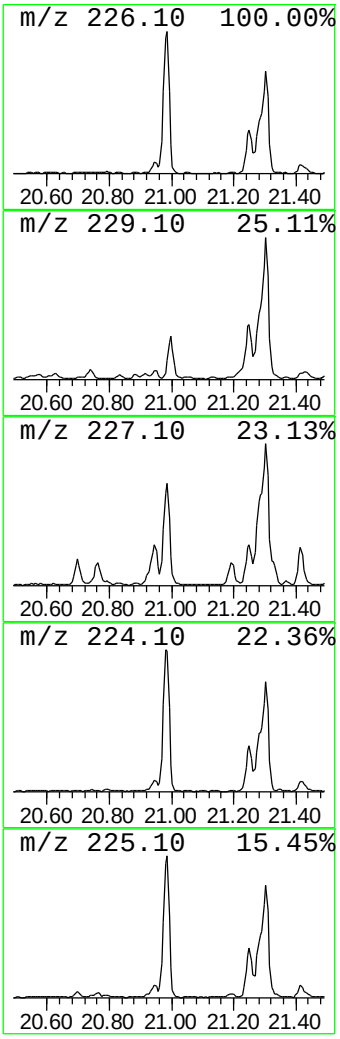
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	14.47 ng/ul	5944760	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	64
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	58
4	2,2'-Oxydibenzaldehyde	226	C14H10O3	049590-51-4	53
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43





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TIC Integration Parameters: LSCINT.P

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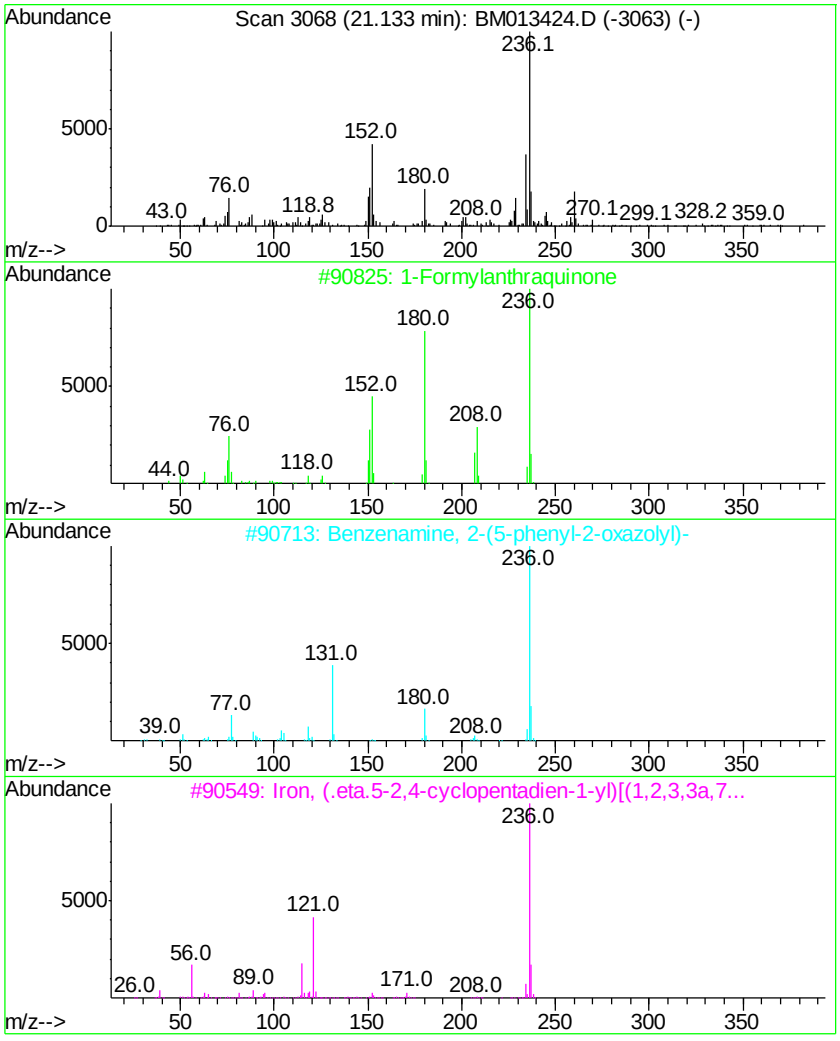
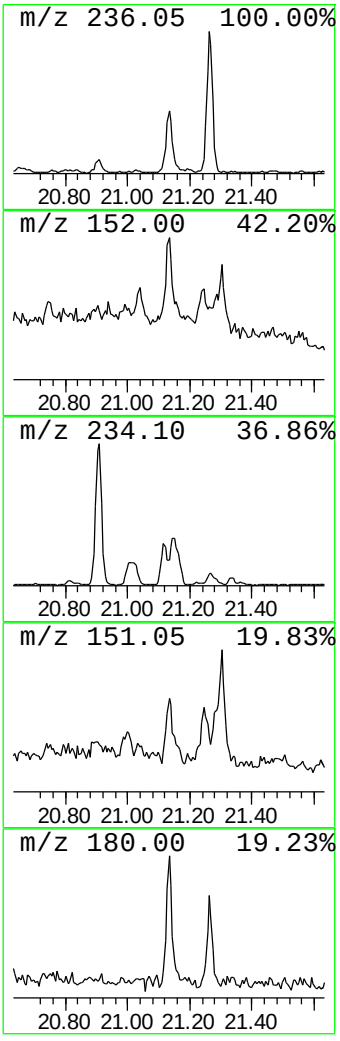
Peak Number 17 unknown-02 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.13	2.57 ng/ul	1056170	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Formylanthraquinone	236	C15H8O3	091323-92-1	47
2	Benzenamine, 2-(5-phenyl-2-oxazo...	236	C15H12N2O	1000319-41-1	43
3	Iron, (.eta.5-2,4-cyclopentadien...	236	C14H12Fe	054845-16-8	38
4	Ethyl 3,4-dimethoxy-N-(3-phthali...	454	C24H26N2O7	1000244-98-0	38
5	1H-Pyrazole, 4,5-dihydro-1-(4-me...	236	C16H16N2	000959-08-0	35





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Quant Title : SVOA CALIBRATION

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

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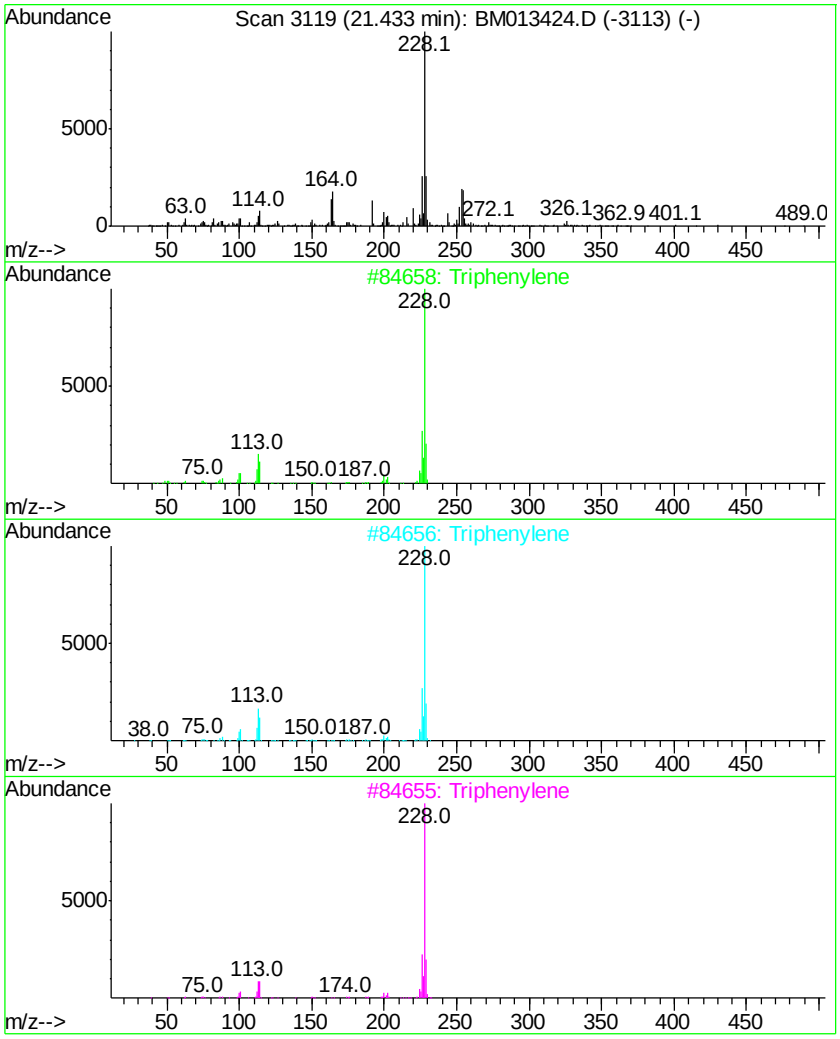
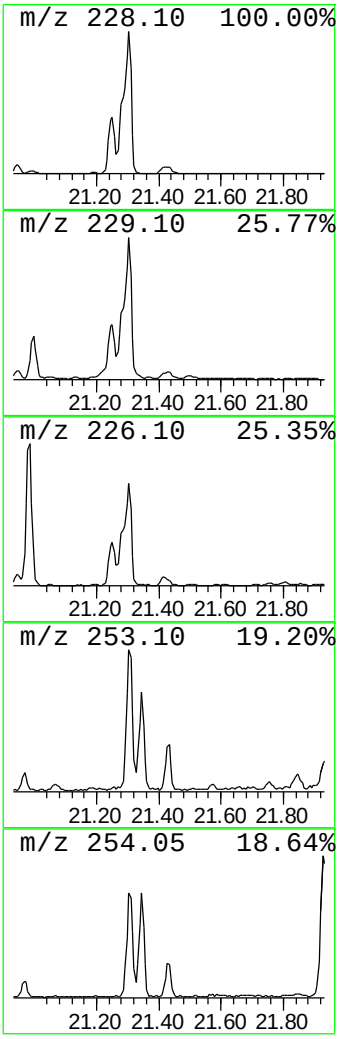
Peak Number 18 Triphenylene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	3.53 ng/ul	1448200	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene	228	C18H12	000217-59-4	70
2	Triphenylene	228	C18H12	000217-59-4	55
3	Triphenylene	228	C18H12	000217-59-4	55
4	Triphenylene	228	C18H12	000217-59-4	55
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53





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Quant Title : SVOA CALIBRATION

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

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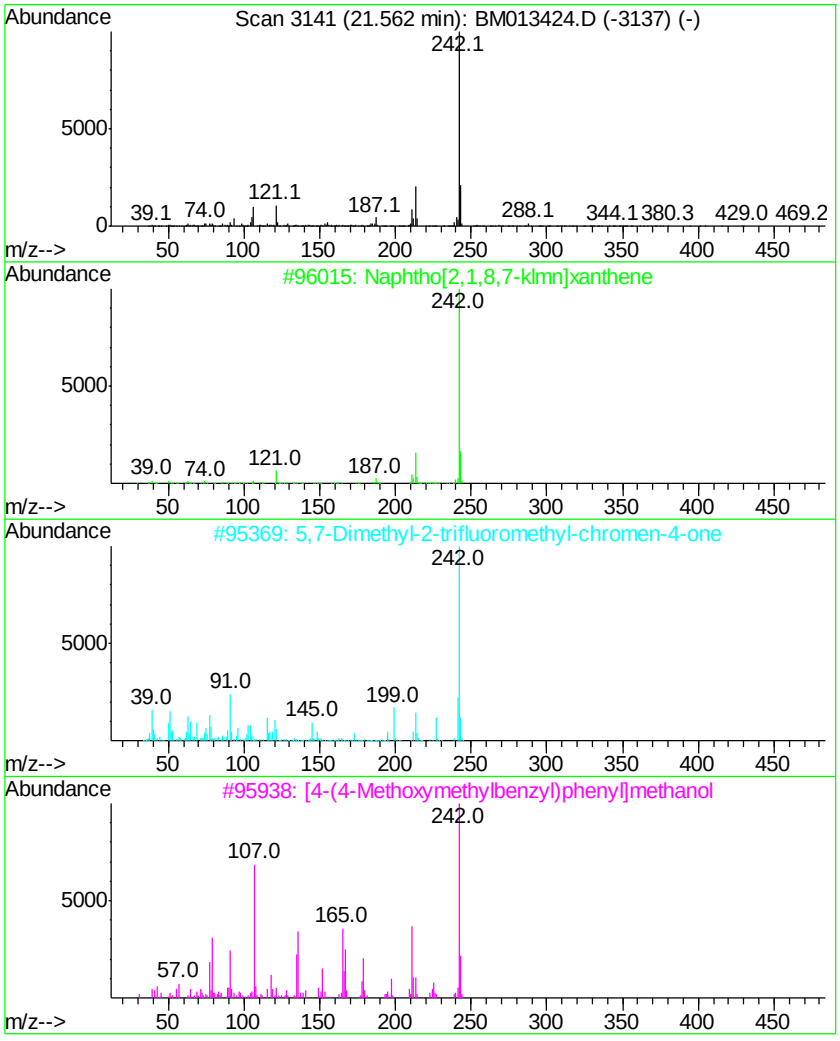
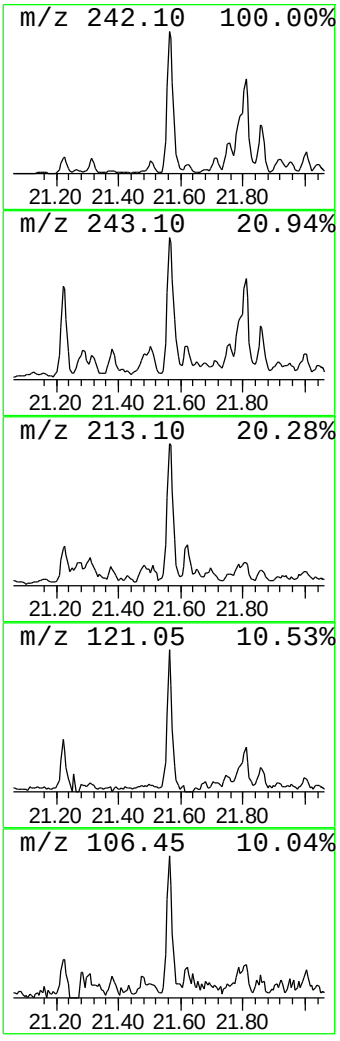
Peak Number 19 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	5.28 ng/ul	2169580	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	93
2	5,7-Dimethyl-2-trifluoromethyl-c...	242	C12H9F3O2	000321-42-6	59
3	[4-(4-Methoxymethylbenzyl)phenyl...	242	C16H18O2	1000202-05-8	58
4	2,2'-(m-Phenylene)dithiophene	242	C14H10S2	104500-00-7	53
5	4-Benzylimidazole-5-(1-propenoic...	242	C14H14N2O2	1000126-22-0	52





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Quant Title : SVOA CALIBRATION

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

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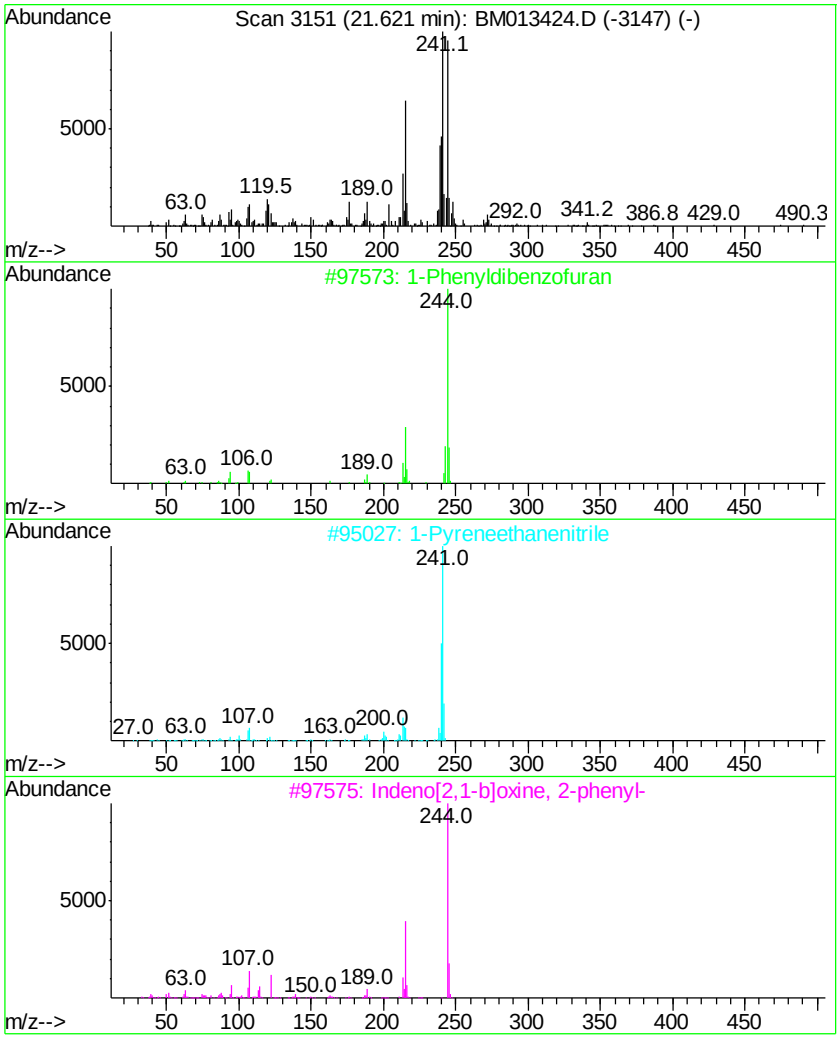
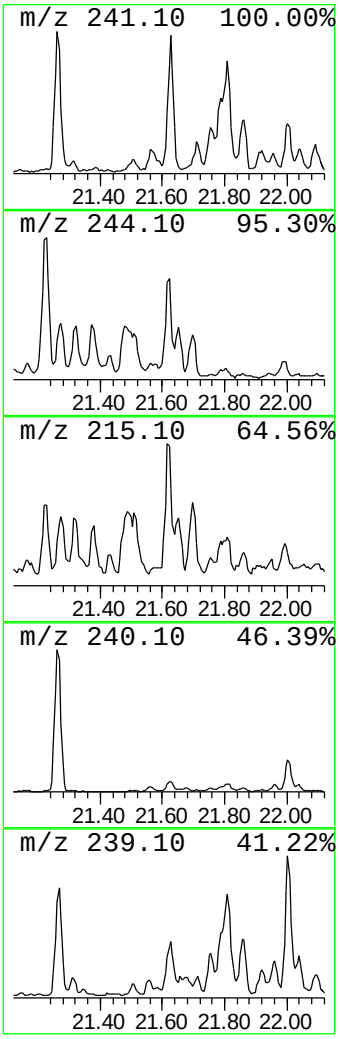
Peak Number 20 1-Phenyldibenzofuran Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.62	2.79 ng/ul	1147320	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyldibenzofuran	244	C18H12O	1000314-39-4	86
2	1-Pyreneethanenitrile	241	C18H11N	064764-29-0	42
3	Indeno[2,1-b]oxine, 2-phenyl-	244	C18H12O	010435-67-3	42
4	9-Ethyl-7H-benzo[de]anthracene	244	C19H16	1000262-29-1	41
5	11H-Benzo[a]fluoren-11-one, 10-m...	244	C18H12O	054811-45-9	38





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Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

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Quant Title : SVOA CALIBRATION

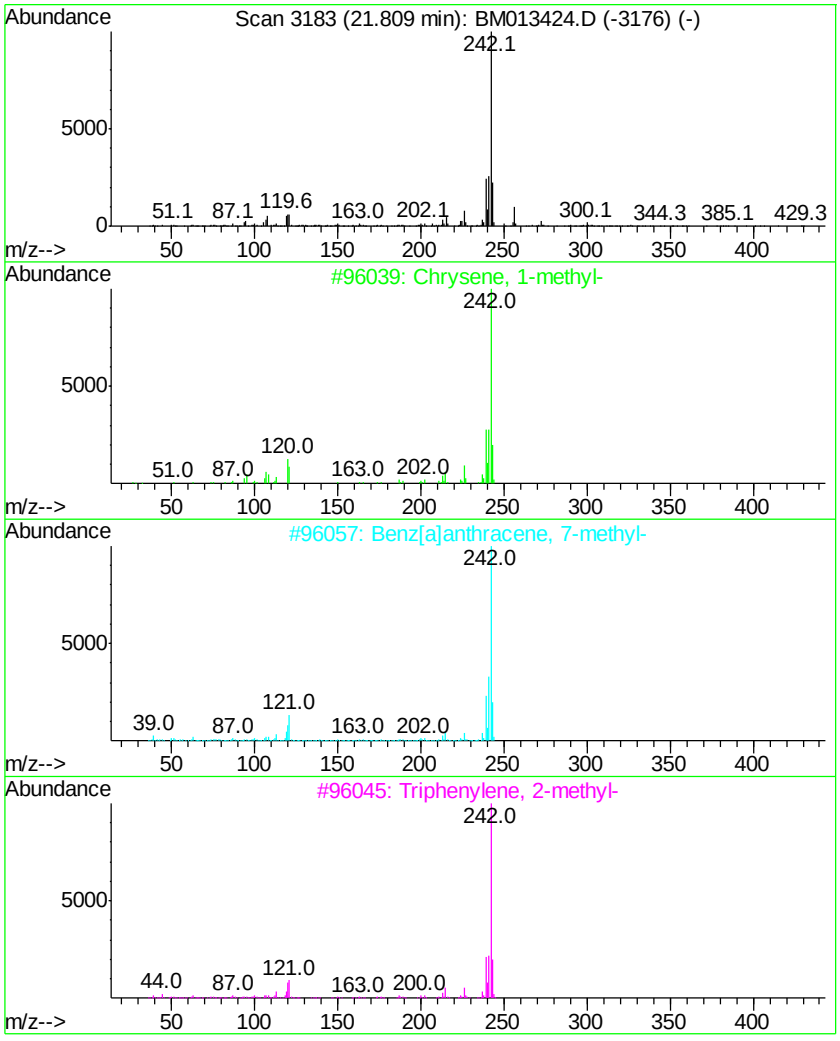
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

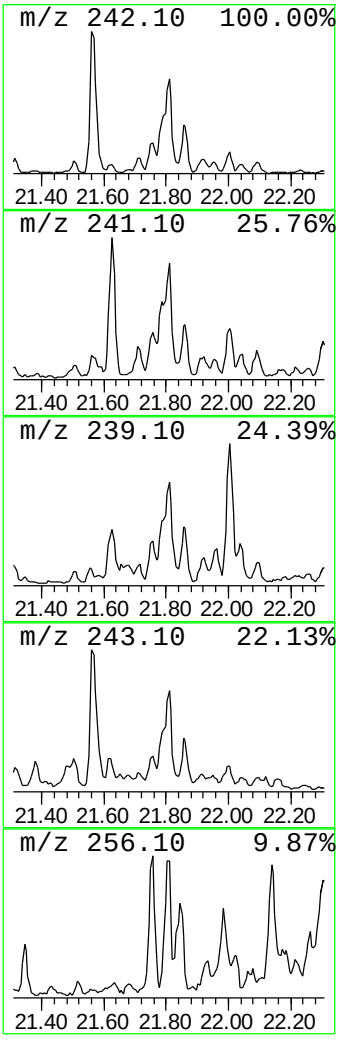
****

Peak Number 21 Chrysene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.81	5.72 ng/ul	2351170	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	83





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

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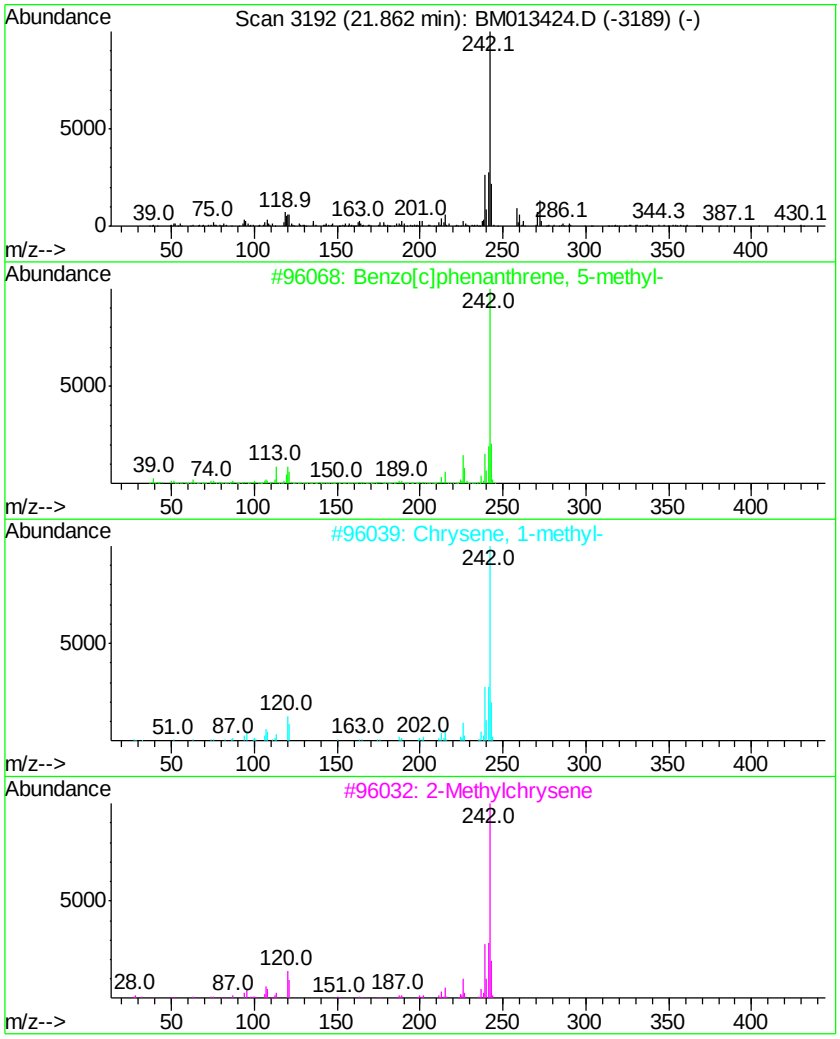
Quant Title : SVOA CALIBRATION

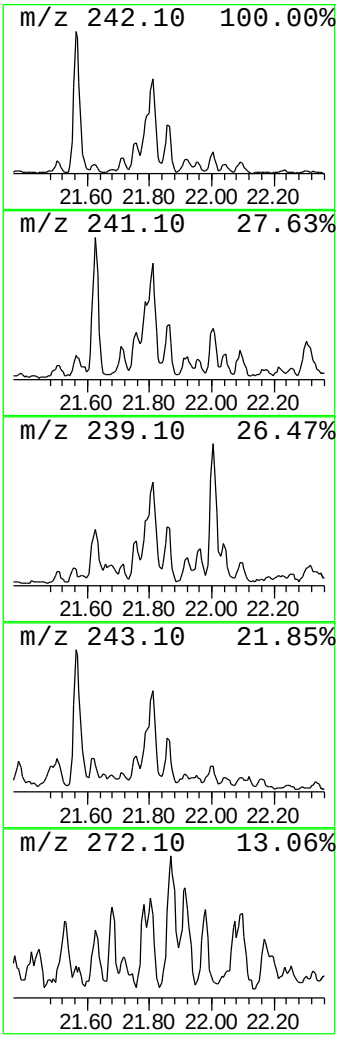
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzo[c]phenanthrene, 5-met... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.86	2.07 ng/ul	849188	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	89
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	76
3	2-Methylchrysene	242	C19H14	003351-32-4	76
4	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	70
5	Benzo[c]phenanthrene, 6-methyl-	242	C19H14	002381-34-2	70





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Instrument : BNA_M
ClientSampleId : F9A46

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Quant Title : SVOA CALIBRATION

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

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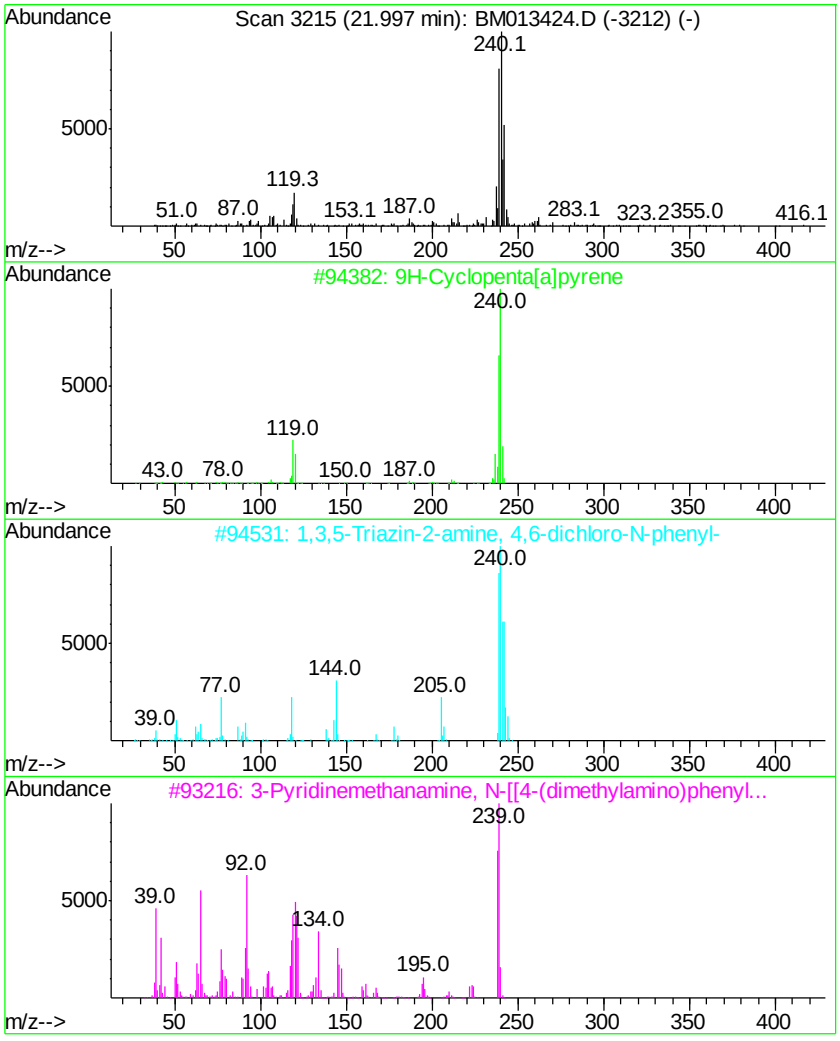
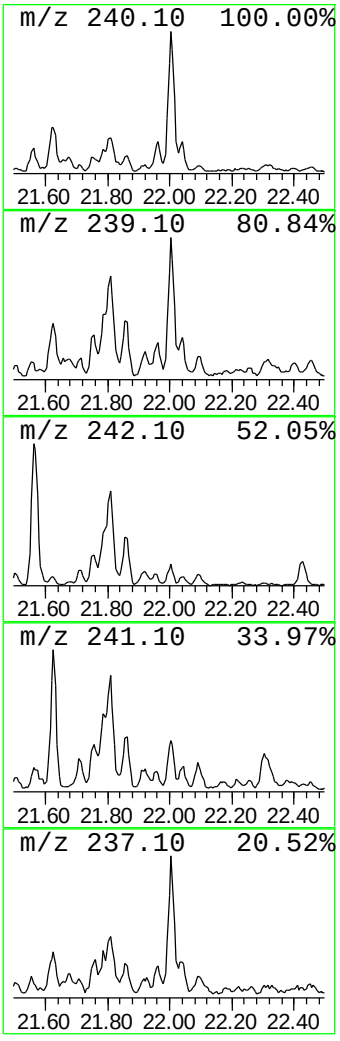
Peak Number 23 9H-Cyclopenta[a]pyrene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.00	2.53 ng/ul	1040970	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	76
2	1,3,5-Triazin-2-amine, 4,6-dichl...	240	C9H6Cl2N4	002272-40-4	36
3	3-Pyridinemethanamine, N-[[4-(di...	239	C15H17N3	1000350-96-8	27
4	Cyclohexane, hexaethylidene-	240	C18H24	001482-93-5	25
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	240	C17H20O	015087-24-8	18





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

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Quant Title : SVOA CALIBRATION

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

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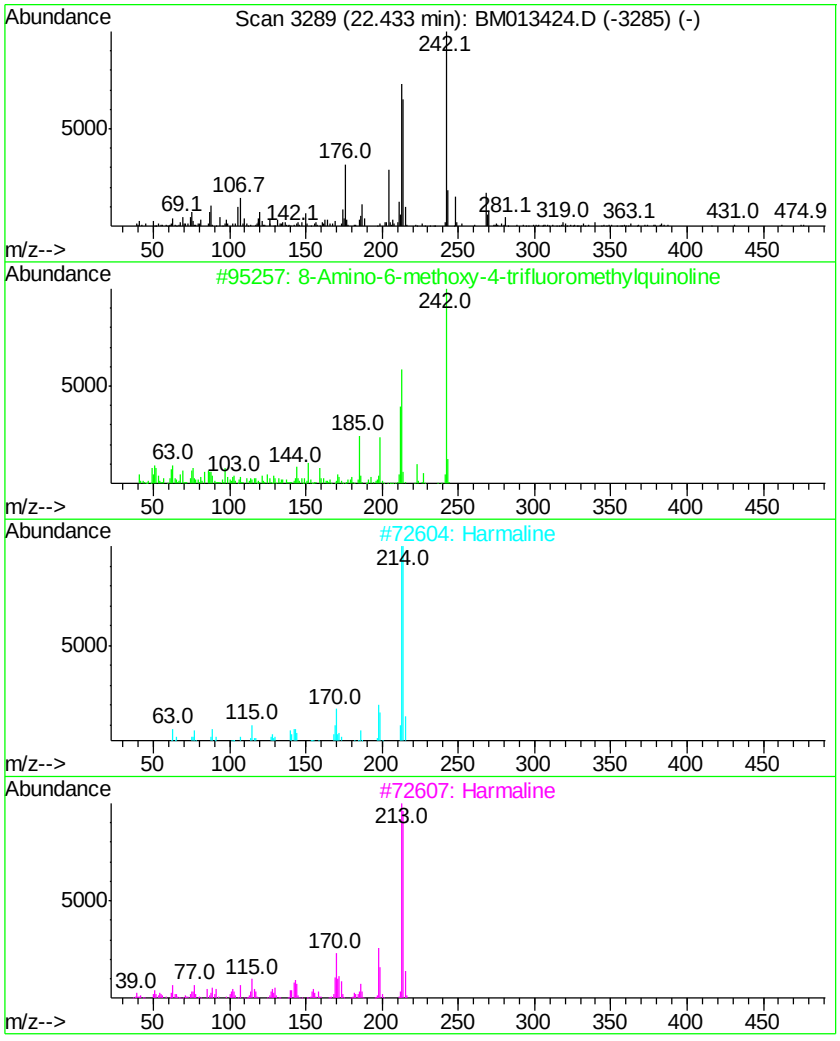
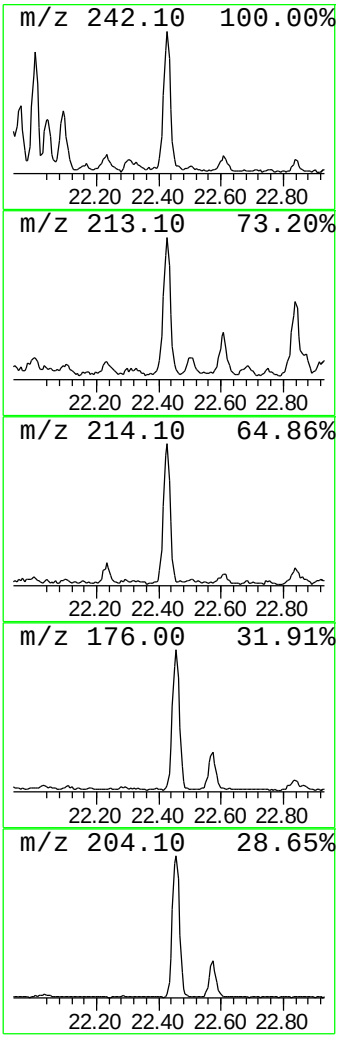
Peak Number 24 unknown-03 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.43	4.19 ng/ul	387864	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Amino-6-methoxy-4-trifluoromet...	242	C11H9F3N2O	1000214-30-1	47
2	Harmaline	214	C13H14N2O	000304-21-2	46
3	Harmaline	214	C13H14N2O	000304-21-2	46
4	3H-Pyrido(3,4-b)indole, 4,9-dihy...	214	C13H14N2O	003589-73-9	46
5	Harmaline	214	C13H14N2O	000304-21-2	43





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Operator : SJ/JU
Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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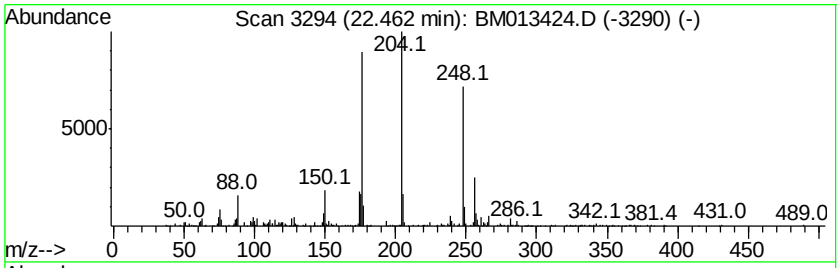
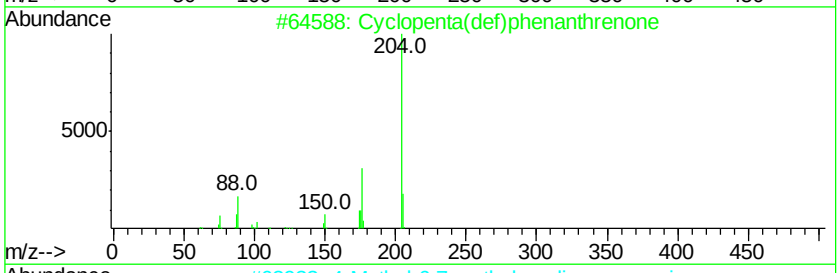
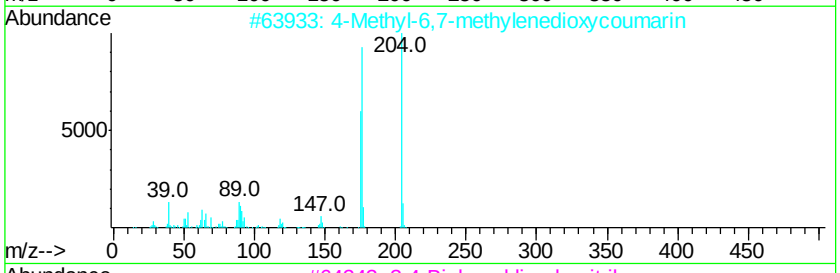
Peak Number 25 unknown-04 Concentration Rank 6

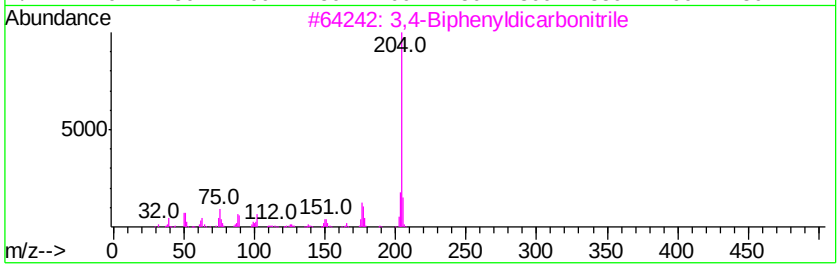
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.46	16.60 ng/ul	1538350	Perylene-d12	23.49

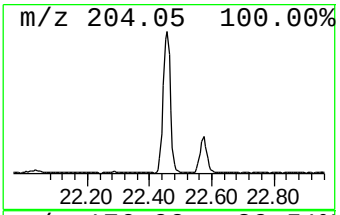
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	45
2	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	43
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
4	Aceanthrenequinone	232	C16H8O2	006373-11-1	37
5	Pyrido[4,3-d]pyrimidine-8-carbox...	248	C11H12N4O3	1000350-96-4	32

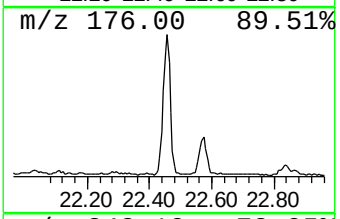


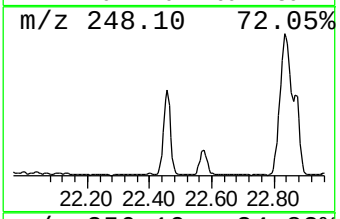


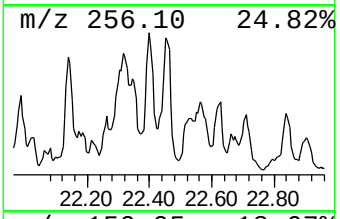


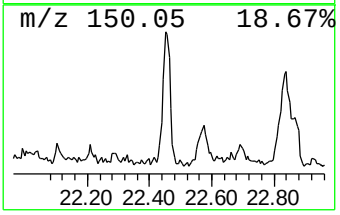












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Data File : BM013424.D
Acq On : 15 Dec 2017 04:49
Operator : SJ/JU
Sample : I6776-17 5X
Misc :
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Instrument : BNA_M
ClientSampleId : F9A46

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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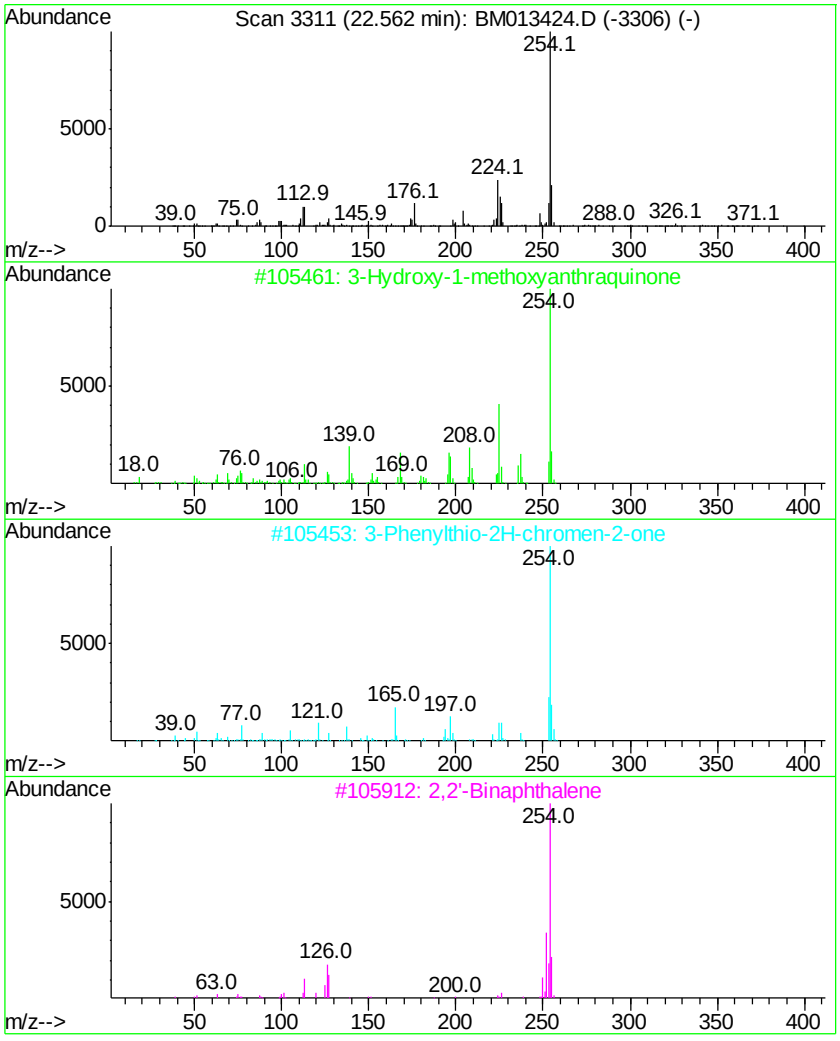
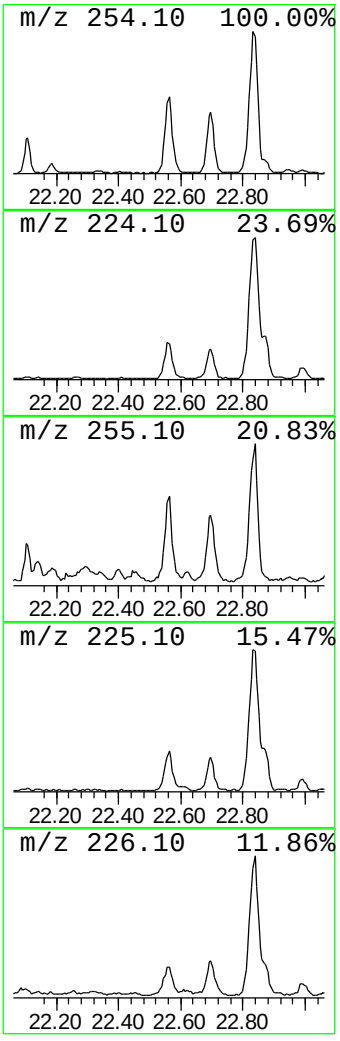
Peak Number 26 3-Hydroxy-1-methoxyanthraqu... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.56	23.55 ng/ul	2182390	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	58
2	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	52
3	2,2'-Binaphthalene	254	C20H14	000612-78-2	50
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	50
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	50





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Instrument : BNA_M
ClientSampleId : F9A46

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Quant Title : SVOA CALIBRATION

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

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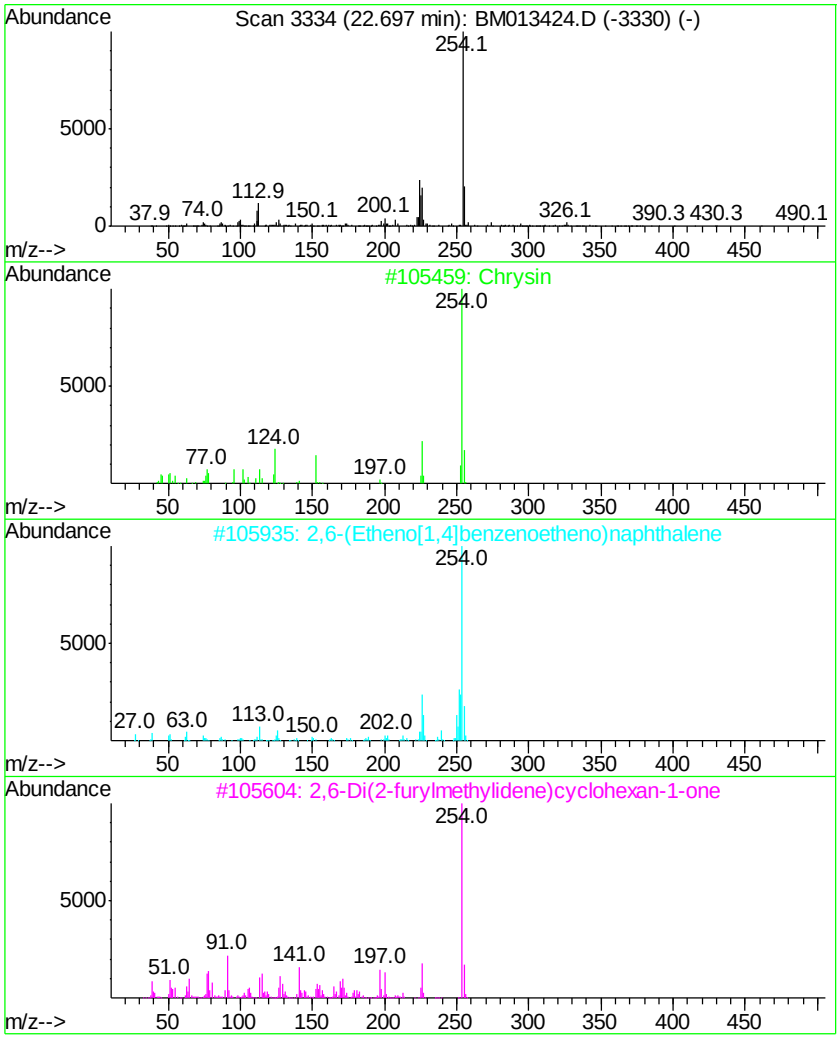
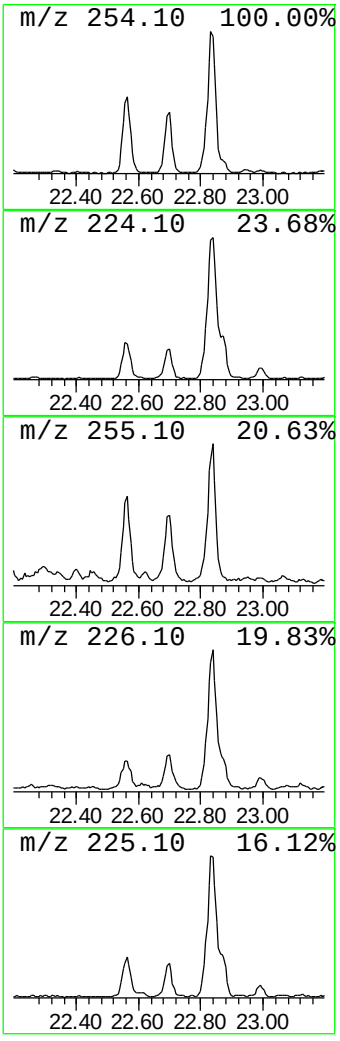
Peak Number 27 Chrysin Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.70	14.09 ng/ul	1305810	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysin	254	C15H10O4	000480-40-0	64
2	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	64
3	2,6-Di(2-furylmethylidene)cycloh...	254	C16H14O3	000893-00-5	59
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	49
5	1,2-Dihydro-4H-[1,4-oxazino][1,2...	254	C14H10N2O3	038066-84-1	47





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Sample : I6776-17 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A46

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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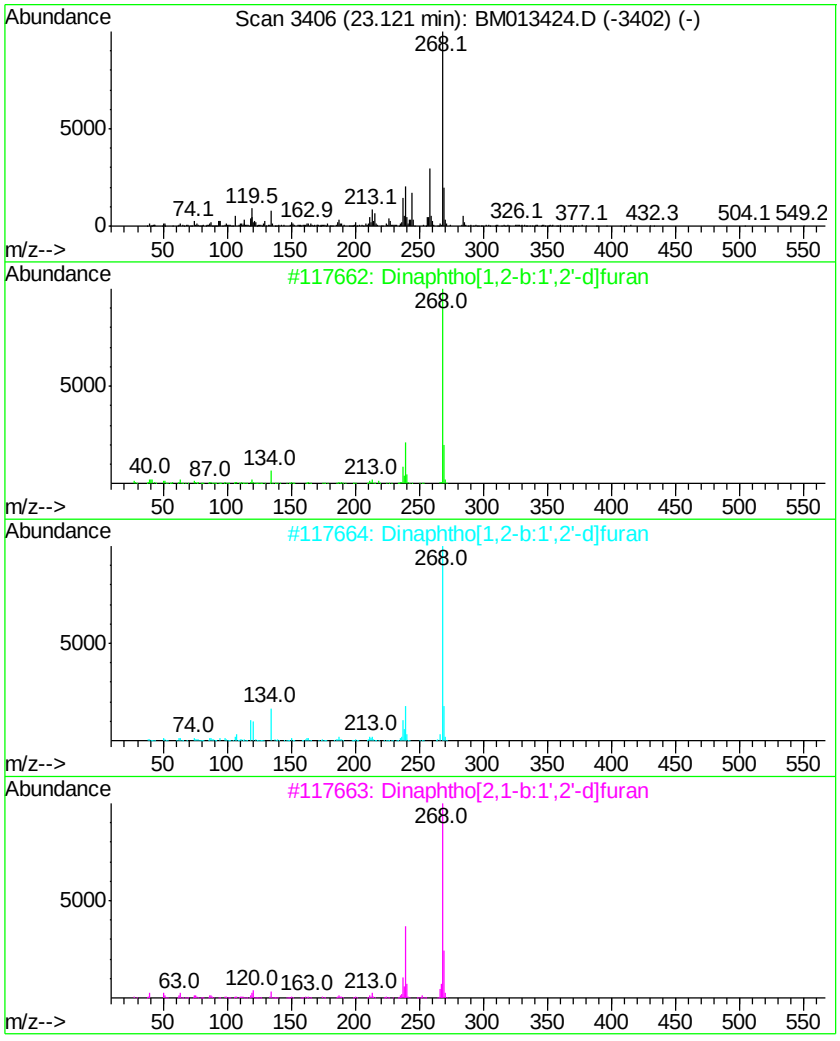
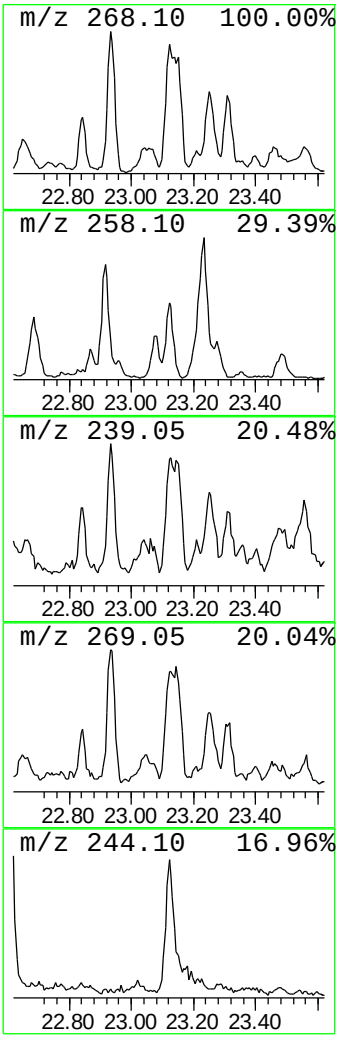
Peak Number 29 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.12	16.26 ng/ul	1507210	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
4	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	58
5	Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	52





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Quant Title : SVOA CALIBRATION

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

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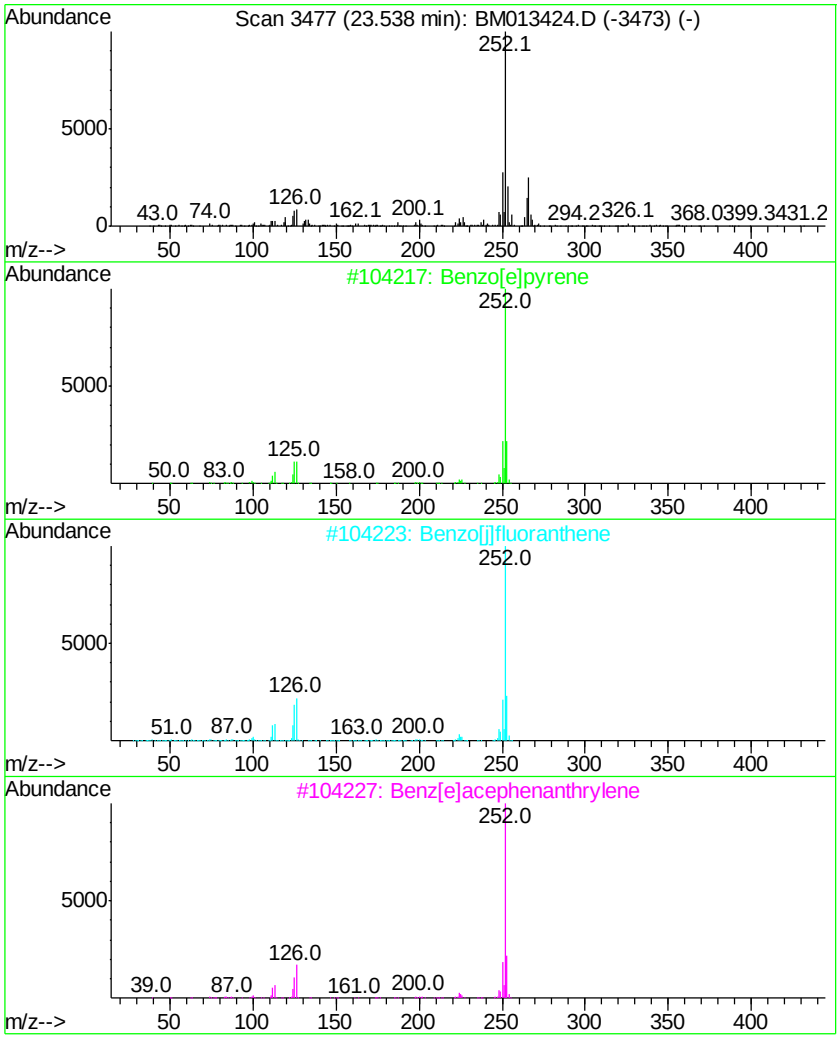
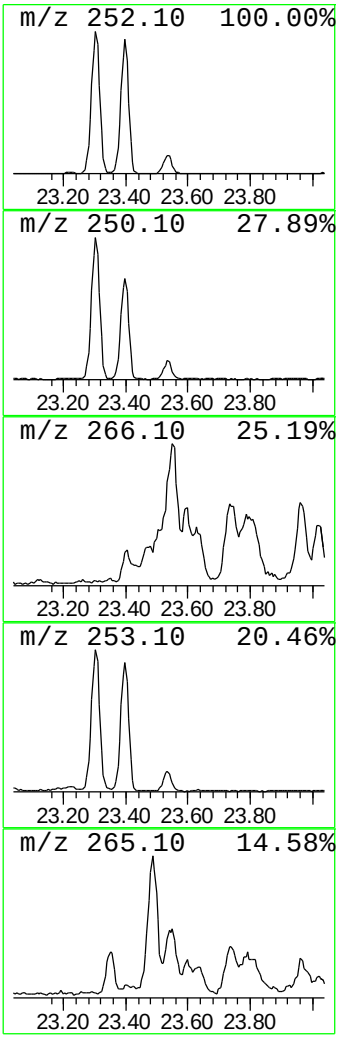
Peak Number 30 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.54	18.70 ng/ul	1732760	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	83
4	Benzo[a]pyrene	252	C20H12	000050-32-8	64
5	Benzo[e]pyrene	252	C20H12	000192-97-2	64





Tentatively Identified Compound (LSC) summary

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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
Indene	8.21	3.8	ng/ul	306122	1	7.67	1613960	20.0
1(2H)-Acenaphthyl...	16.04	5.2	ng/ul	921821	4	17.07	3549680	20.0
1,2-Acenaphthylen...	17.74	2.4	ng/ul	420578	4	17.07	3549680	20.0
Anthrone	18.34	2.5	ng/ul	435270	4	17.07	3549680	20.0
Cyclopenta(def)ph...	19.01	15.6	ng/ul	2765560	4	17.07	3549680	20.0
Benzo[kl]xanthene	19.67	2.0	ng/ul	833224	5	21.26	8214640	20.0
11H-Benzo[b]fluorene	19.83	6.3	ng/ul	2567050	5	21.26	8214640	20.0
Pyrene, 1-methyl-	19.97	16.8	ng/ul	6879120	5	21.26	8214640	20.0
11H-Isoindolo[2,1...	20.42	2.5	ng/ul	1028560	5	21.26	8214640	20.0
Benzo[a]phenazine...	20.74	2.5	ng/ul	1040840	5	21.26	8214640	20.0
Benzo[b]naphtho[2...	20.90	4.9	ng/ul	2011970	5	21.26	8214640	20.0
unknown-01	20.94	3.6	ng/ul	1474140	5	21.26	8214640	20.0
Cyclopenta[cd]pyrene	20.99	14.5	ng/ul	5944760	5	21.26	8214640	20.0
unknown-02	21.13	2.6	ng/ul	1056170	5	21.26	8214640	20.0
Triphenylene	21.43	3.5	ng/ul	1448200	5	21.26	8214640	20.0
Naphtho[2,1,8,7-k...	21.56	5.3	ng/ul	2169580	5	21.26	8214640	20.0
1-Phenyldibenzofuran	21.62	2.8	ng/ul	1147320	5	21.26	8214640	20.0
Chrysene, 1-methyl-	21.81	5.7	ng/ul	2351170	5	21.26	8214640	20.0
Benzo[c]phenanthr...	21.86	2.1	ng/ul	849188	5	21.26	8214640	20.0
9H-Cyclopenta[a]p...	22.00	2.5	ng/ul	1040970	5	21.26	8214640	20.0
unknown-03	22.43	4.2	ng/ul	387864	6	23.49	1853320	20.0
unknown-04	22.46	16.6	ng/ul	1538350	6	23.49	1853320	20.0
3-Hydroxy-1-metho...	22.56	23.6	ng/ul	2182390	6	23.49	1853320	20.0
Chrysin	22.70	14.1	ng/ul	1305810	6	23.49	1853320	20.0
Dinaphtho[1,2-b:1...	23.12	16.3	ng/ul	1507210	6	23.49	1853320	20.0
Benzo[e]pyrene	23.54	18.7	ng/ul	1732760	6	23.49	1853320	20.0