LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023215.D
Acq On : 17 Oct 2019 11:02
Operator : JU
Sample : K5262-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB79

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-BM101419MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.681	114	118	124	rBV	249918	314235	0.80%	0.080%
2	3.899	150	155	163	rVB	293418	420688	1.07%	0.107%
3	6.834	647	654	664	rVV2	545235	1077779	2.75%	0.273%
4	6.999	673	682	690	rBV	358034	615269	1.57%	0.156%
5	7.199	704	716	721	rBV	547372	902915	2.30%	0.229%
6	7.663	789	795	805	rVB	1399947	2231231	5.69%	0.566%
7	8.369	909	915	921	rBV	588755	941583	2.40%	0.239%
8	8.769	972	983	985	rBV5	142028	337489	0.86%	0.086%
9	8.810	985	990	996	rVB	448818	772628	1.97%	0.196%
10	9.528	1105	1112	1121	rBV2	363094	670470	1.71%	0.170%
11	9.640	1127	1131	1140	rVB6	129892	260559	0.66%	0.066%
12	10.069	1197	1204	1214	rVB	638954	1075712	2.74%	0.273%
13	10.445	1260	1268	1273	rBV	1767299	3034051	7.74%	0.770%
14	10.492	1273	1276	1284	rVV	471964	767692	1.96%	0.195%
15	10.575	1284	1290	1299	rVV	280337	542748	1.38%	0.138%
16	12.116	1545	1552	1562	rVB	307220	530642	1.35%	0.135%
17	12.339	1581	1590	1602	rVB	254163	459533	1.17%	0.117%
18	13.633	1802	1810	1815	rBV	284700	504047	1.29%	0.128%
19	13.686	1815	1819	1821	rVV	170761	246210	0.63%	0.062%
20	13.722	1821	1825	1830	rVV	951580	1413999	3.61%	0.359%
21	13.769	1830	1833	1840	rVB	405709	555859	1.42%	0.141%
22	13.998	1865	1872	1875	rBV	1183696	1950035	4.97%	0.495%
23	14.027	1875	1877	1887	rVB	888084	1169496	2.98%	0.297%
24	14.310	1917	1925	1931	rBV	2396219	3683636	9.39%	0.935%
25	14.375	1931	1936	1943	rBV	1145427	1675961	4.27%	0.425%
26	14.504	1953	1958	1970	rBV2	297743	569497	1.45%	0.145%
27	14.710	1987	1993	2002	rVB	1036763	1637387	4.18%	0.416%
28	15.304	2088	2094	2099	rVV	1504579	2239831	5.71%	0.568%
29	15.363	2099	2104	2109	rVV	1449243	2178076	5.56%	0.553%
30	15.486	2122	2125	2128	rVV	225061	321553	0.82%	0.082%
31	15.522	2128	2131	2136	rVV	211769	372644	0.95%	0.095%
32	15.657	2150	2154	2165	rVV	459235	798066	2.04%	0.203%
33	15.804	2165	2179	2187	rVV	473594	1111019	2.83%	0.282%
34	15.892	2189	2194	2200	rVB2	131045	249976	0.64%	0.063%

LSC Area Percent Report

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Operator : JU
Sample : K5262-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB79

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-BM101419MA.M
Title : SVOA CALIBRATION

35	16.033	2211	2218	2226	rBV6	178829	418039	1.07%	0.106%
36	16.345	2264	2271	2272	rBV2	187129	329610	0.84%	0.084%
37	16.369	2272	2275	2280	rVV2	305631	504410	1.29%	0.128%
38	16.416	2280	2283	2289	rVB3	195457	275740	0.70%	0.070%
39	16.604	2311	2315	2317	rVV2	232471	326709	0.83%	0.083%
40	16.639	2317	2321	2324	rVV2	277980	402809	1.03%	0.102%
41	16.710	2328	2333	2341	rVB	1062033	1661056	4.24%	0.422%
42	16.798	2343	2348	2354	rBV2	305141	662411	1.69%	0.168%
43	16.874	2356	2361	2366	rVB	850799	1238494	3.16%	0.314%
44	17.057	2386	2392	2395	rBV2	2590289	3931670	10.03%	0.998%
45	17.104	2395	2400	2405	rVV	16778200	24361574	62.13%	6.182%
46	17.157	2405	2409	2411	rVV	1796969	2523552	6.44%	0.640%
47	17.186	2411	2414	2420	rVV	3850725	5278564	13.46%	1.339%
48	17.245	2420	2424	2431	rVB3	393529	691616	1.76%	0.176%
49	17.457	2451	2460	2465	rBV2	1666048	2916108	7.44%	0.740%
50	17.580	2478	2481	2486	rBV2	252570	367515	0.94%	0.093%
51	17.639	2487	2491	2500	rVB2	353458	516029	1.32%	0.131%
52	17.933	2536	2541	2545	rVV	1739271	2443006	6.23%	0.620%
53	17.980	2545	2549	2557	rVB	2739248	3760136	9.59%	0.954%
54	18.063	2557	2563	2567	rBV	975677	1490915	3.80%	0.378%
55	18.127	2568	2574	2578	rBV2	2794630	4900320	12.50%	1.244%
56	18.163	2578	2580	2585	rVB	1214102	1383636	3.53%	0.351%
57	18.233	2589	2592	2596	rBV2	144946	249018	0.64%	0.063%
58	18.439	2622	2627	2630	rBV	1419727	2060559	5.26%	0.523%
59	18.474	2630	2633	2639	rVB	1818892	2375250	6.06%	0.603%
60	18.686	2666	2669	2674	rVB2	445567	550134	1.40%	0.140%
61	18.739	2675	2678	2681	rBV	315326	333202	0.85%	0.085%
62	18.774	2681	2684	2689	rVB2	418076	554543	1.41%	0.141%
63	18.857	2693	2698	2703	rBV2	1171918	1917631	4.89%	0.487%
64	18.921	2705	2709	2712	rBV2	494363	694750	1.77%	0.176%
65	18.992	2717	2721	2730	rVB2	1339628	2263299	5.77%	0.574%
66	19.127	2737	2744	2749	rVB	25298970	36273444	92.51%	9.205%
67	19.192	2752	2755	2757	rBV	383790	506531	1.29%	0.129%
68	19.268	2765	2768	2771	rBV2	416937	489524	1.25%	0.124%
69	19.362	2780	2784	2789	rVB	765209	979002	2.50%	0.248%
70	19.486	2795	2805	2813	rBV2	22188625	39208856	100.00%	9.950%
71	19.557	2813	2817	2824	rVB2	871877	1535723	3.92%	0.390%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : BFB79

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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Title : SVOA CALIBRATION

72	19.662	2832	2835	2840	rBV	1184428	1487406	3.79%	0.377%
73	19.721	2841	2845	2851	rVB	1455716	2180505	5.56%	0.553%
74	19.815	2855	2861	2866	rBV3	1293005	3062667	7.81%	0.777%
75	19.951	2880	2884	2886	rBV2	870647	1512311	3.86%	0.384%
76	19.980	2886	2889	2894	rVB	2682811	3689828	9.41%	0.936%
77	20.080	2903	2906	2910	rBV	1575319	1976730	5.04%	0.502%
78	20.139	2910	2916	2920	rVV2	2090627	3336625	8.51%	0.847%
79	20.221	2928	2930	2935	rBV3	394216	562997	1.44%	0.143%
80	20.280	2936	2940	2944	rBV	1149307	1454138	3.71%	0.369%
81	20.327	2944	2948	2952	rBV2	1086194	1601805	4.09%	0.406%
82	20.539	2981	2984	2987	rBV3	693189	1068888	2.73%	0.271%
83	20.727	3012	3016	3023	rVB	2778151	3977778	10.15%	1.009%
84	20.892	3039	3044	3048	rBV2	2237268	4229722	10.79%	1.073%
85	20.933	3048	3051	3054	rVV	2188899	2668972	6.81%	0.677%
86	20.974	3054	3058	3059	rVV	2220848	2989074	7.62%	0.759%
87	21.027	3063	3067	3077	rVB	2991530	4562258	11.64%	1.158%
88	21.239	3094	3103	3108	rBV3	17419941	30656880	78.19%	7.779%
89	21.292	3108	3112	3121	rVB	12760453	18516950	47.23%	4.699%
90	21.403	3128	3131	3135	rBV	2058819	2676675	6.83%	0.679%
91	21.556	3153	3157	3163	rBV2	2342732	3443077	8.78%	0.874%
92	21.798	3196	3198	3202	rVB	2127348	2354157	6.00%	0.597%
93	22.815	3364	3371	3375	rBV	13641232	30668097	78.22%	7.782%
94	22.980	3395	3399	3403	rVB	2322993	3373954	8.61%	0.856%
95	23.286	3445	3451	3456	rBV	6477765	12364179	31.53%	3.138%
96	23.380	3461	3467	3473	rVB	11253074	19059496	48.61%	4.837%
97	23.468	3478	3482	3486	rVV	2573069	4842255	12.35%	1.229%
98	23.515	3487	3490	3499	rVB2	3599553	6912732	17.63%	1.754%
99	25.703	3854	3862	3873	rVB	7280548	20742515	52.90%	5.264%
100	26.386	3970	3978	3994	rVB	3866014	12092403	30.84%	3.069%

Sum of corrected areas: 394072975

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Instrument :
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ClientSampleId :
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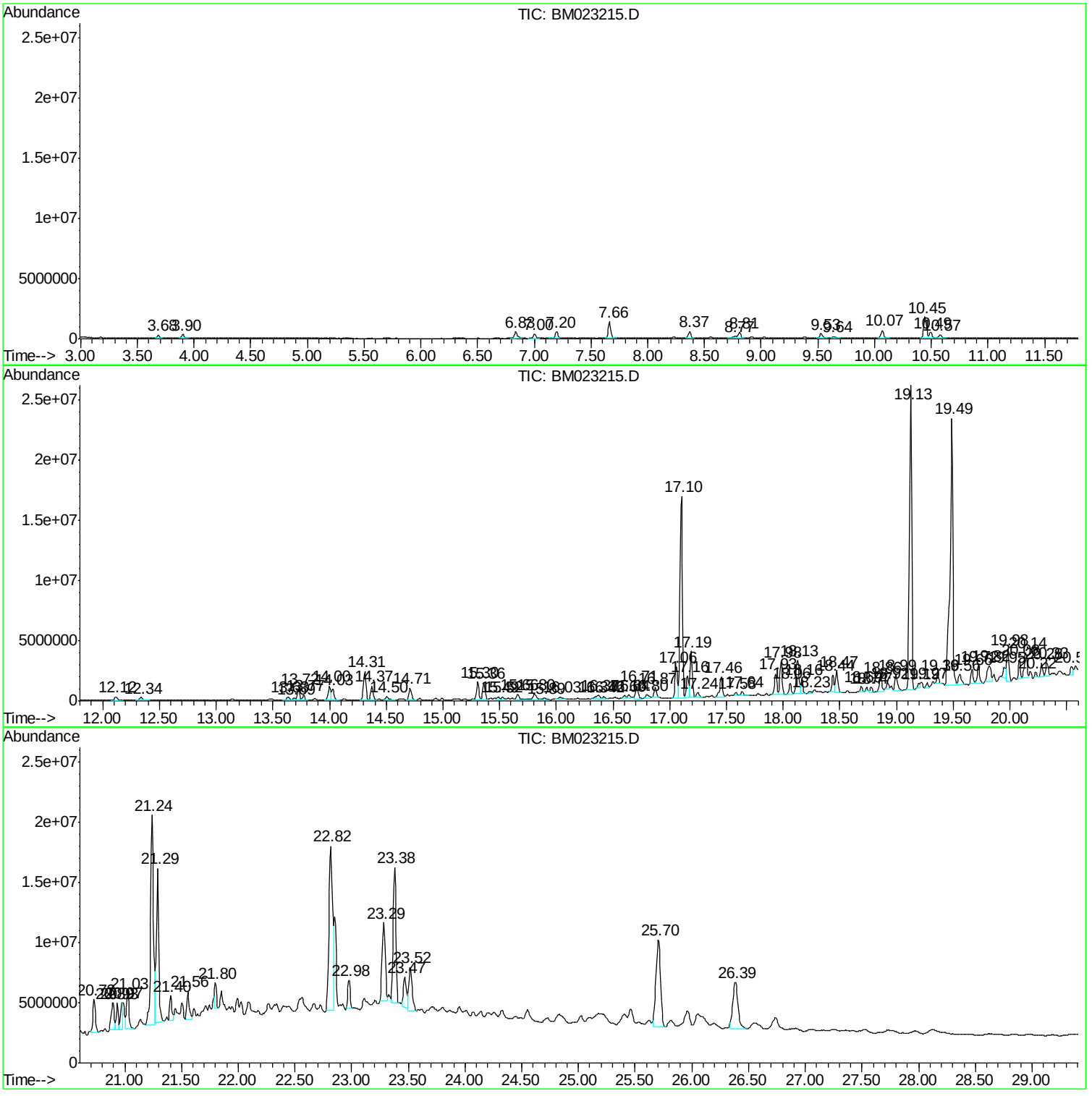
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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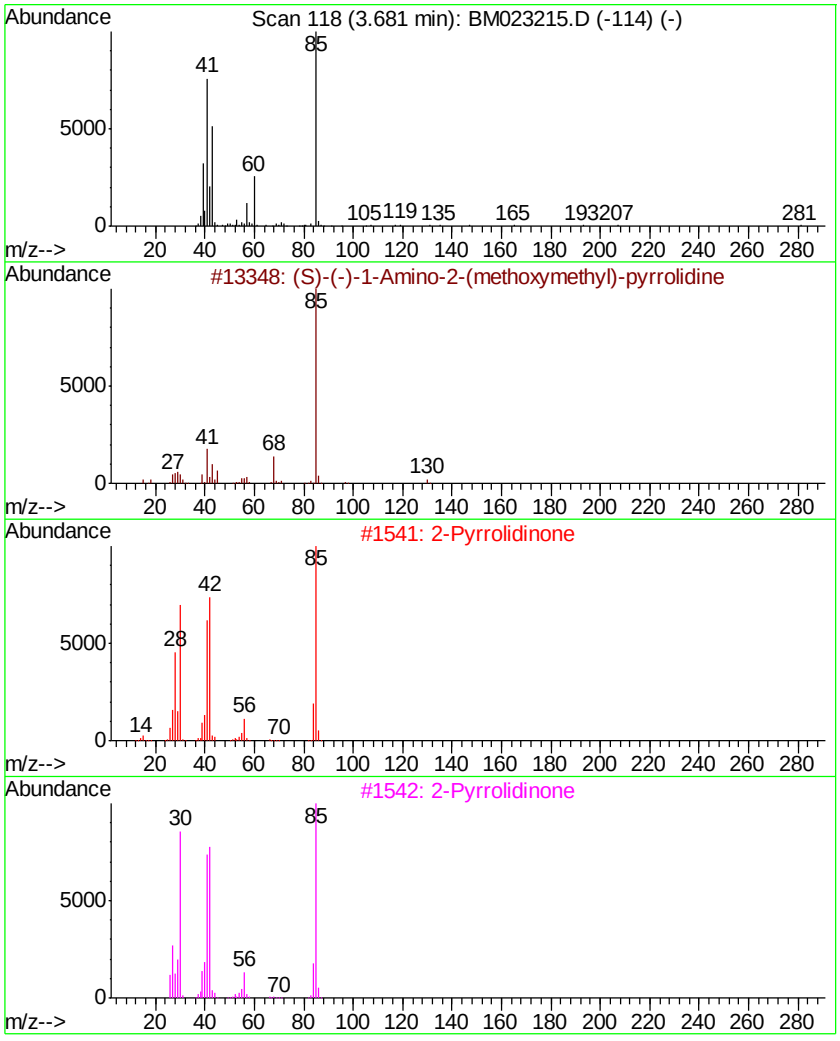
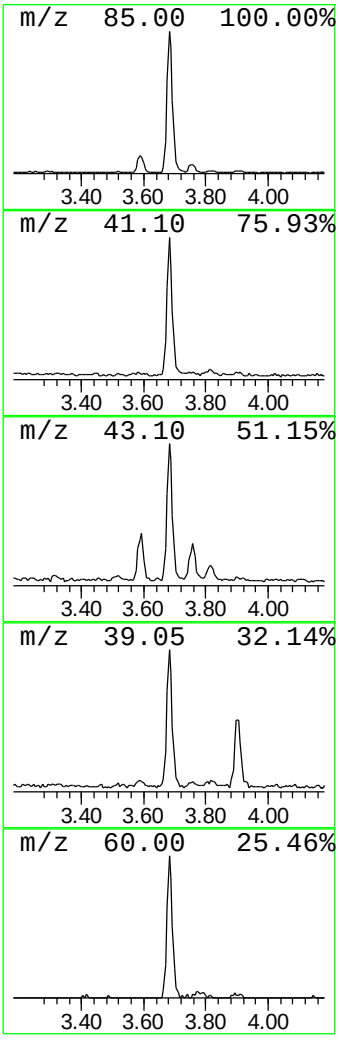
Peak Number 1 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.68	2.82 ng/ul	314235	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(S)-(-)-1-Amino-2-(methoxymethyl...	130	C6H14N2O	059983-39-0	23
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
5	Oxirane, (2-methylpropyl)-	100	C6H12O	023850-78-4	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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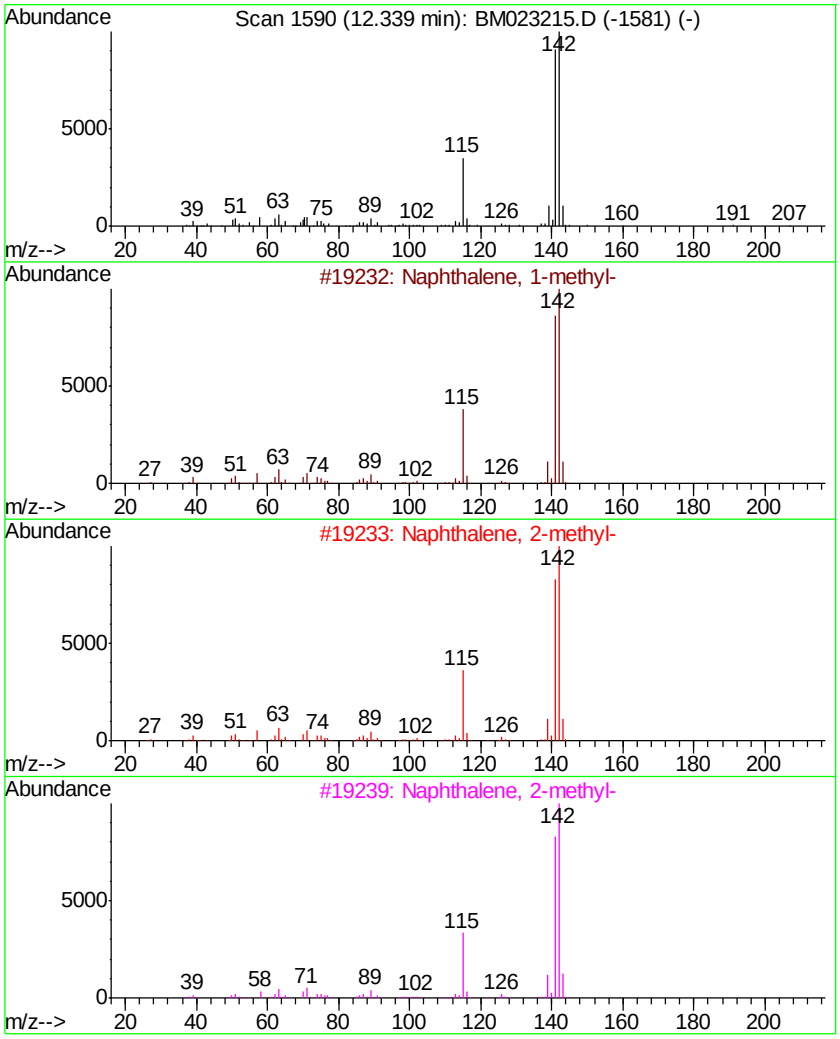
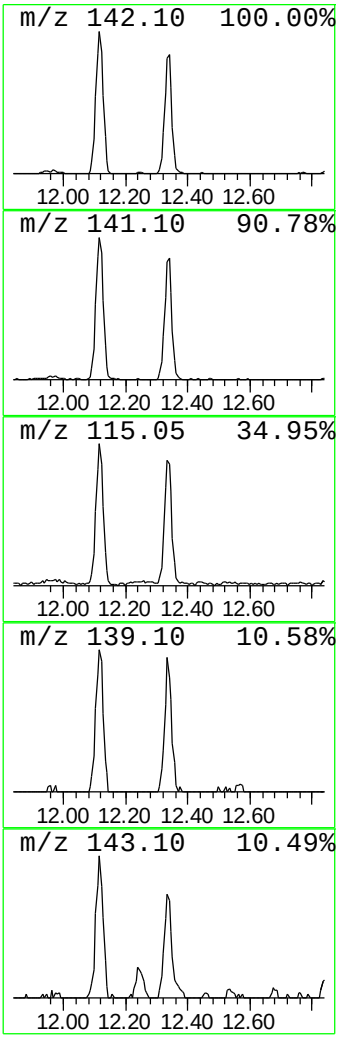
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	3.03 ng/ul	459533	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





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Quant Title : SVOA CALIBRATION

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

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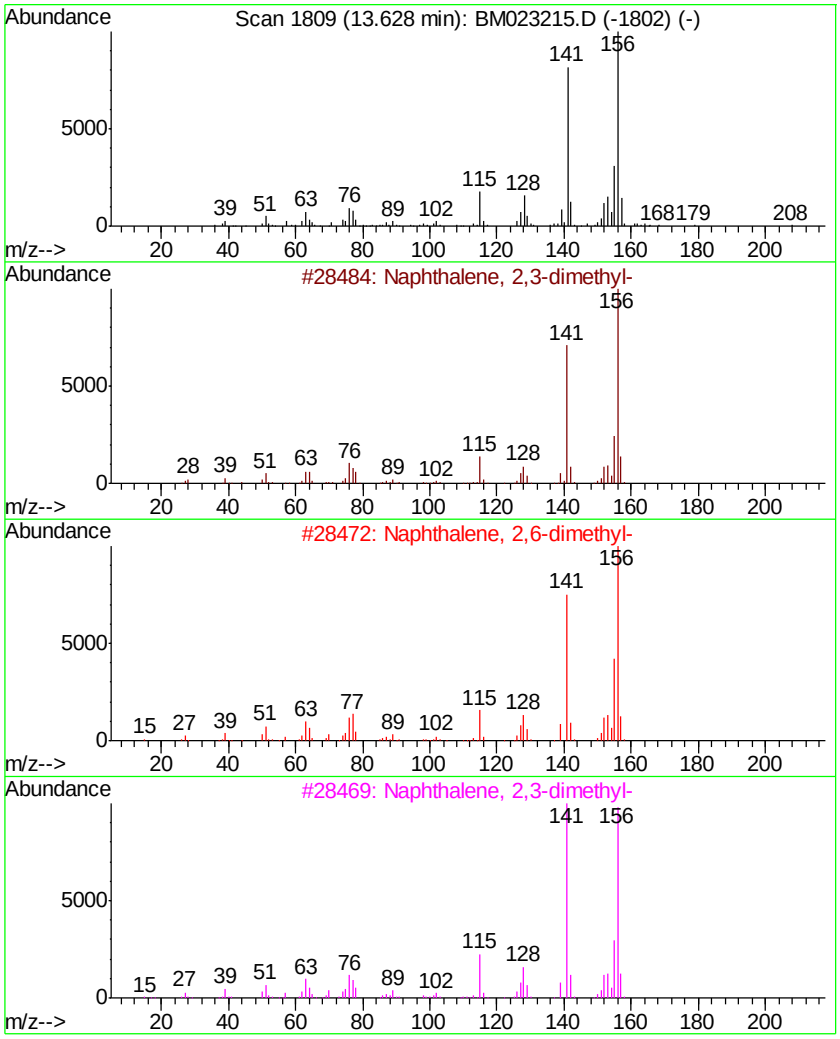
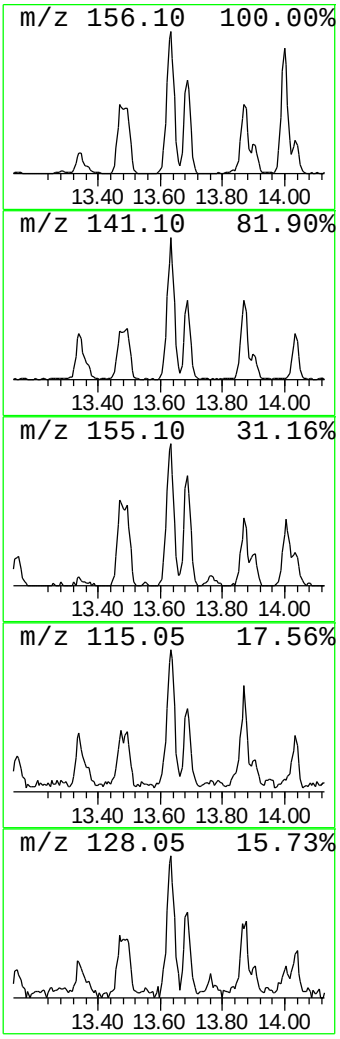
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	2.74 ng/ul	504047	Acenaphthene-d10	14.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Instrument : BNA_M
ClientSampleId : BFB79

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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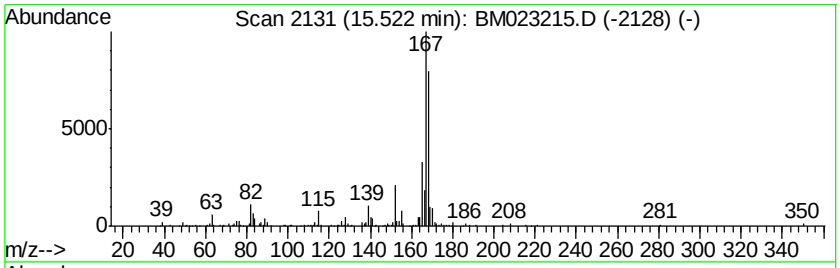
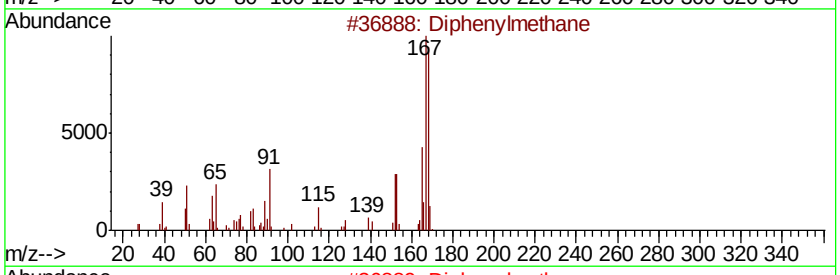
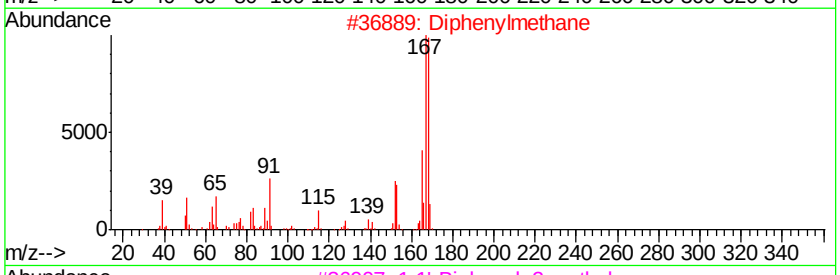
Peak Number 5 Diphenylmethane Concentration Rank 34

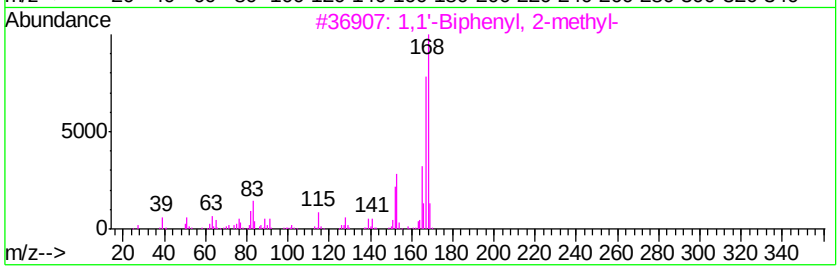
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	2.02 ng/ul	372644	Acenaphthene-d10	14.31

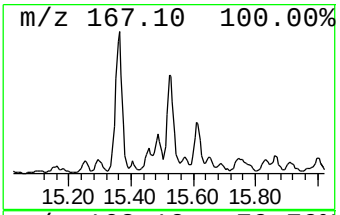
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	64
2	Diphenylmethane	168	C13H12	000101-81-5	58
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	58
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	52

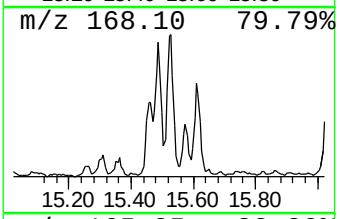


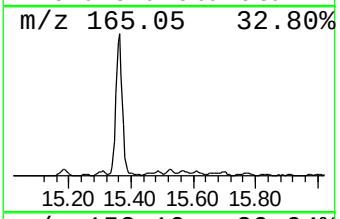


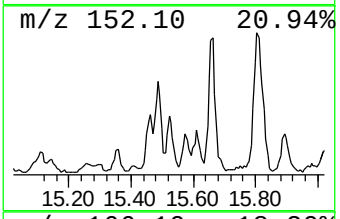


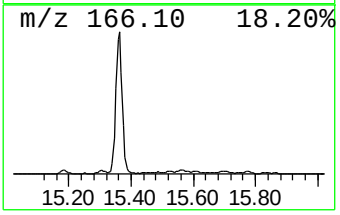












Library Search Compound Report

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Acq On : 17 Oct 2019 11:02
Operator : JU
Sample : K5262-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB79

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Quant Title : SVOA CALIBRATION

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

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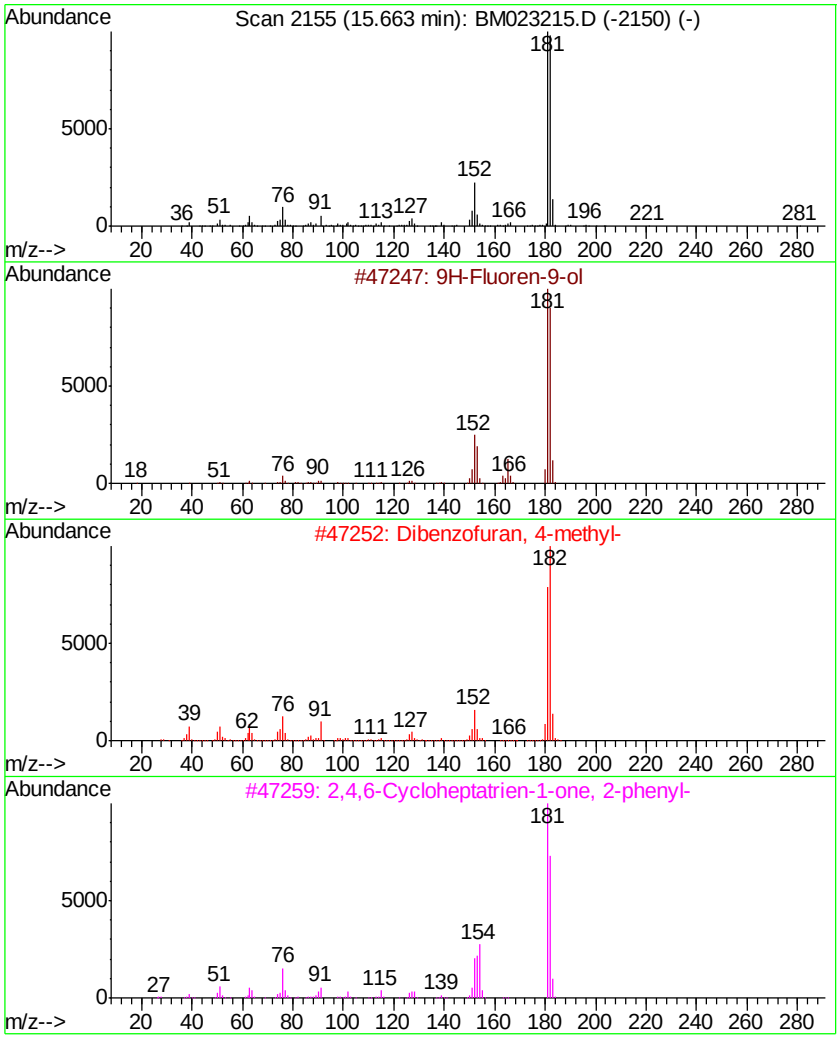
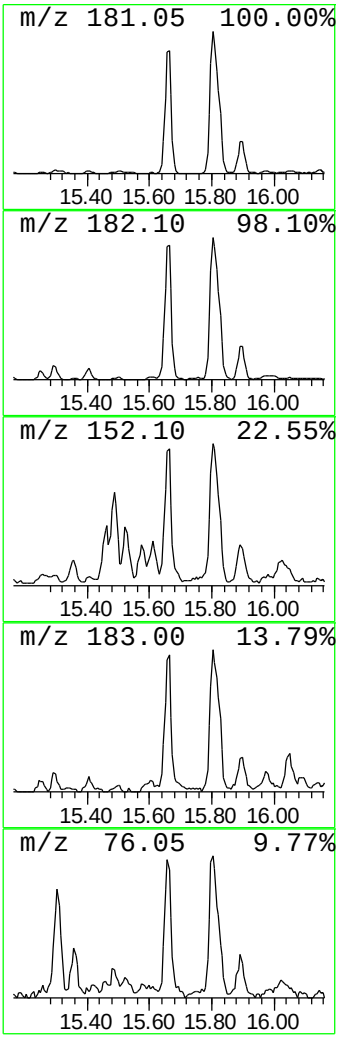
Peak Number 6 9H-Fluoren-9-ol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	4.33 ng/ul	798066	Acenaphthene-d10	14.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Quant Title : SVOA CALIBRATION

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

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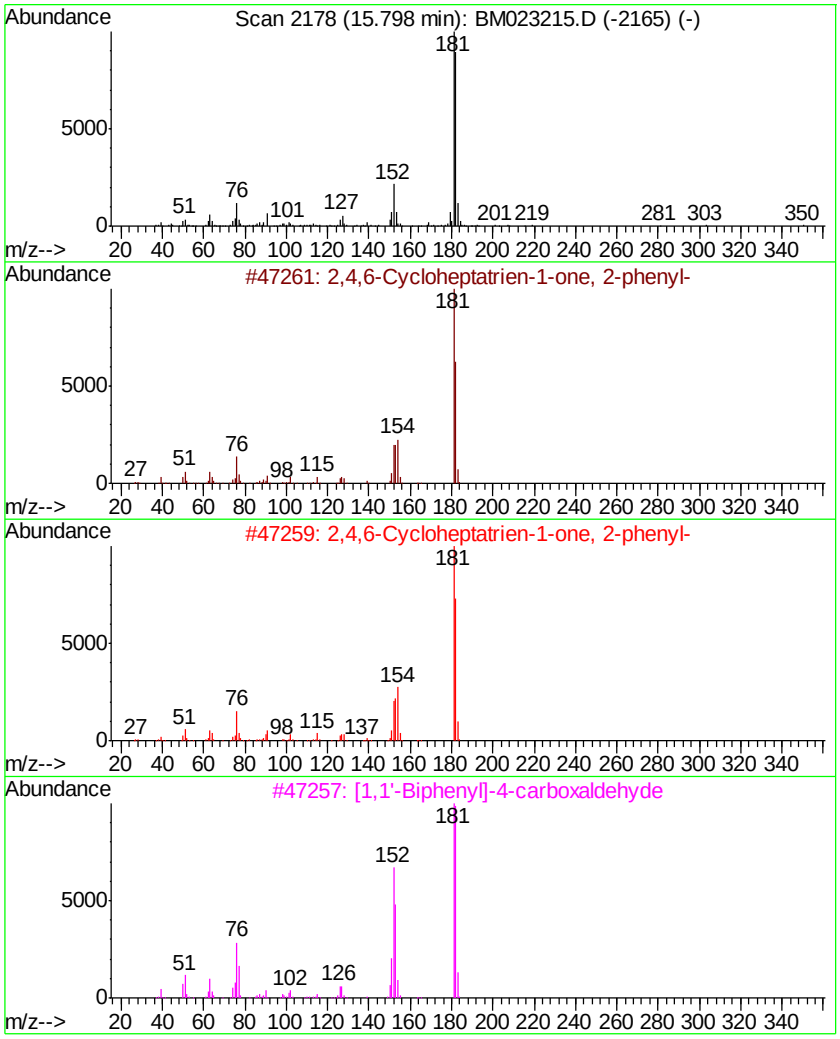
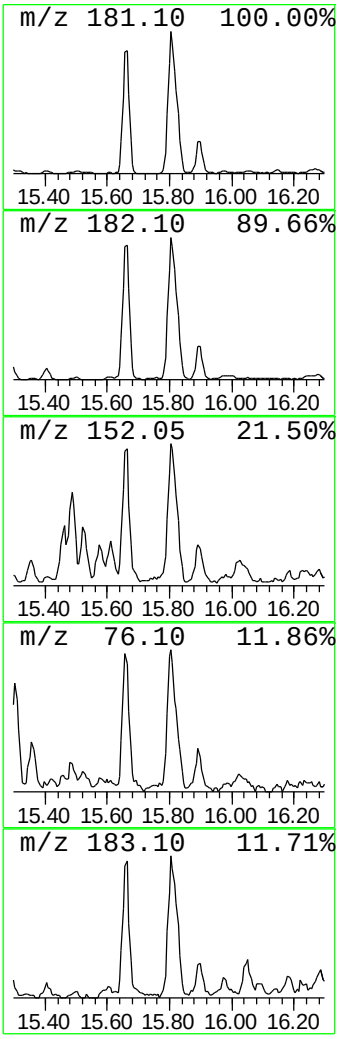
Peak Number 7 2,4,6-Cycloheptatrien-1-one... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	5.65 ng/ul	1111020	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76





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Quant Title : SVOA CALIBRATION

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

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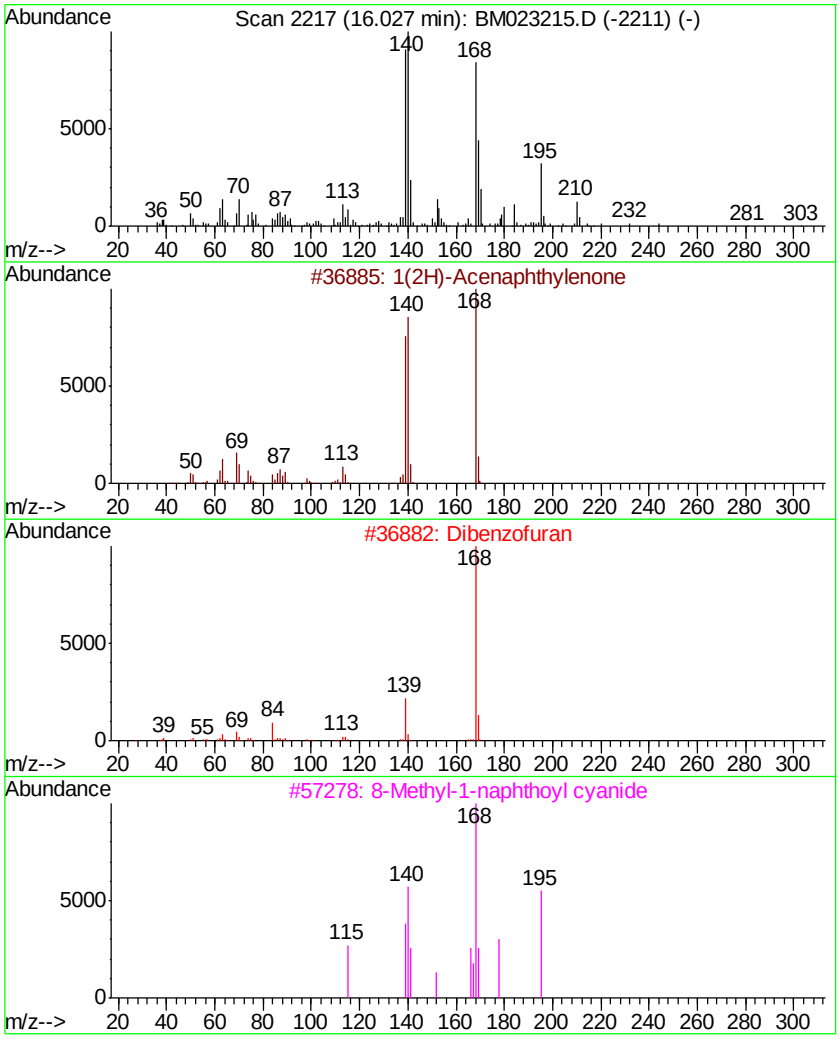
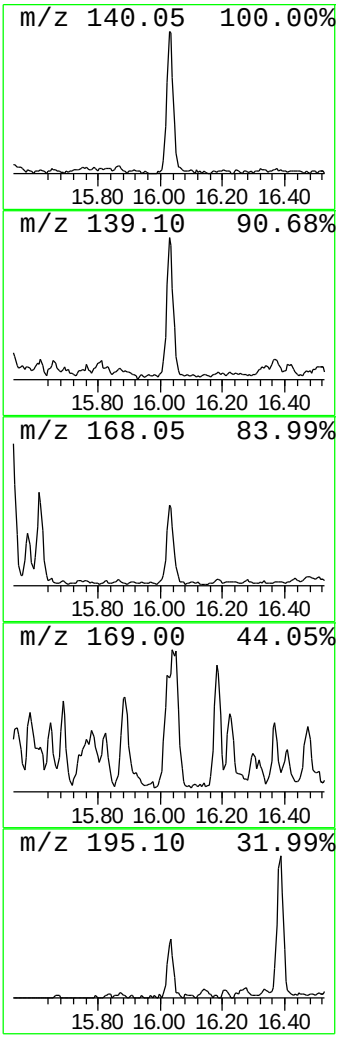
Peak Number 8 1(2H)-Acenaphthylenone Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	2.13 ng/ul	418039	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	70
2	Dibenzofuran	168	C12H8O	000132-64-9	38
3	8-Methyl-1-naphthoyl cyanide	195	C13H9NO	126536-19-4	35
4	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	35
5	N-(3-Cyanophenyl)pyrrole	168	C11H8N2	175134-98-2	22





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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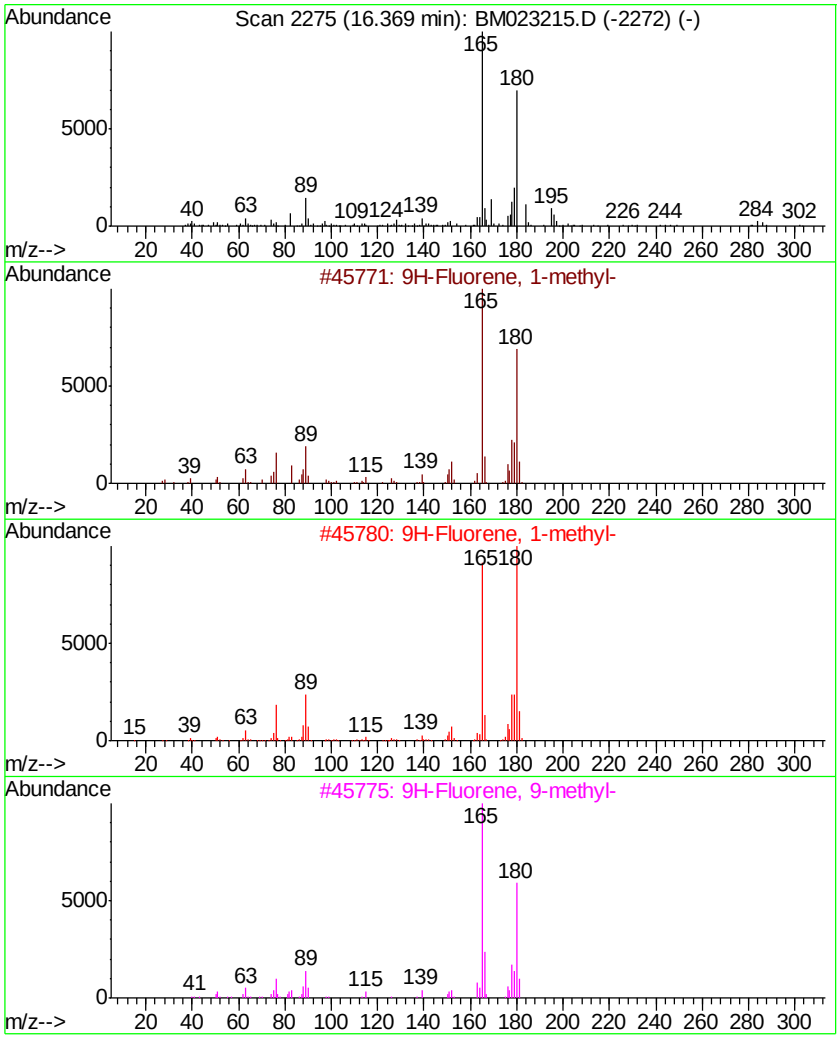
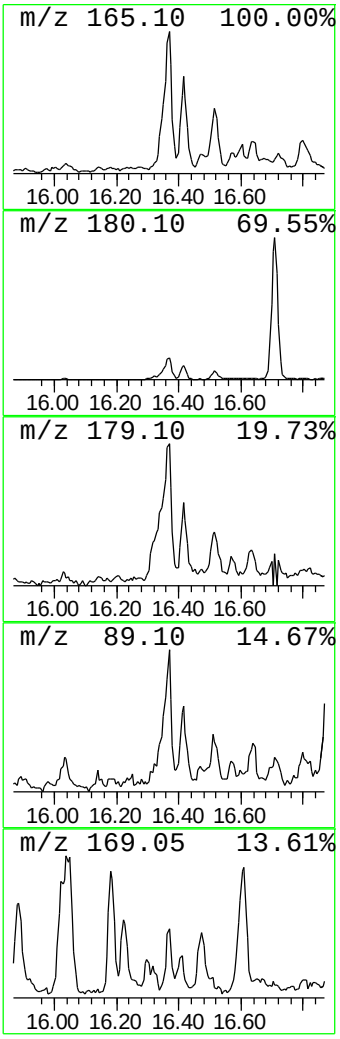
Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	2.57 ng/ul	504410	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	62
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55





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Quant Title : SVOA CALIBRATION

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

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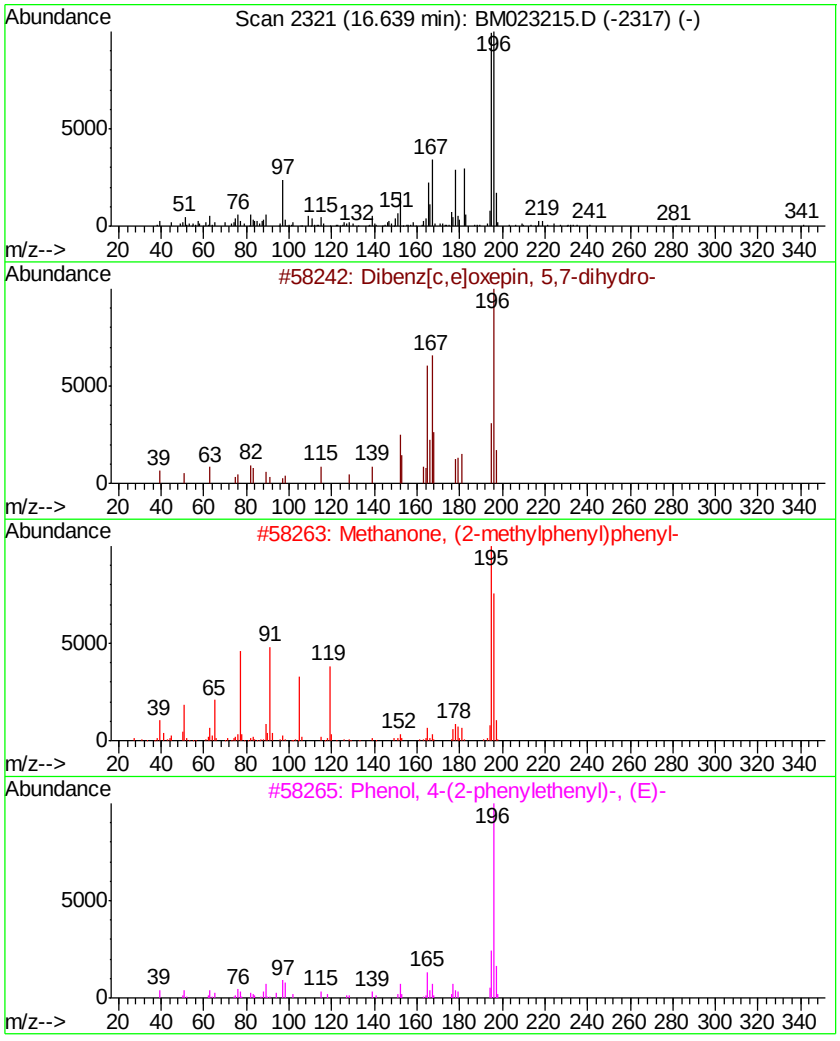
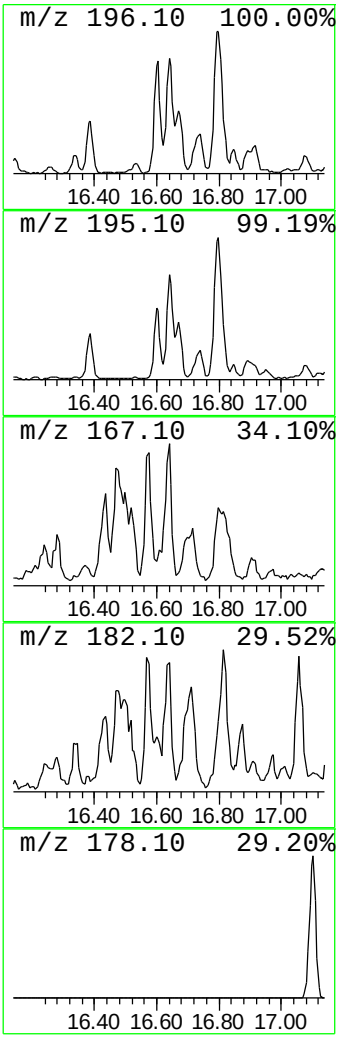
Peak Number 10 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	2.05 ng/ul	402809	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	55
2	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	50
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	43
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	43





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Quant Title : SVOA CALIBRATION

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

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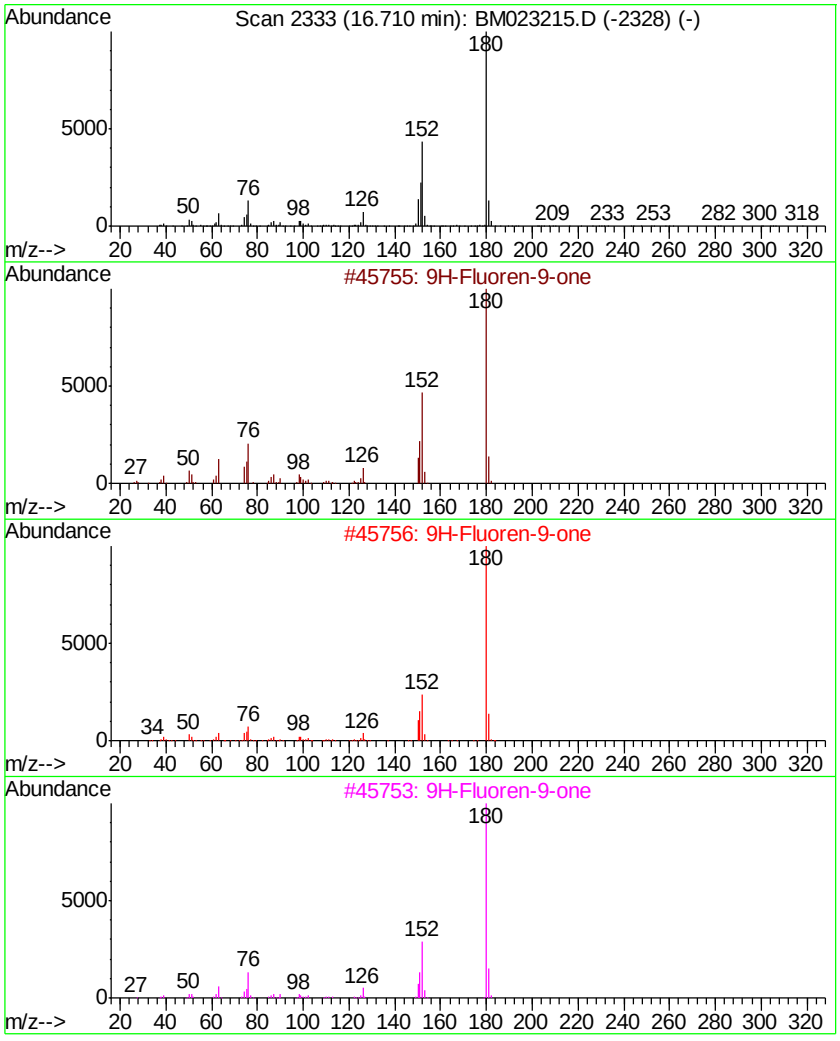
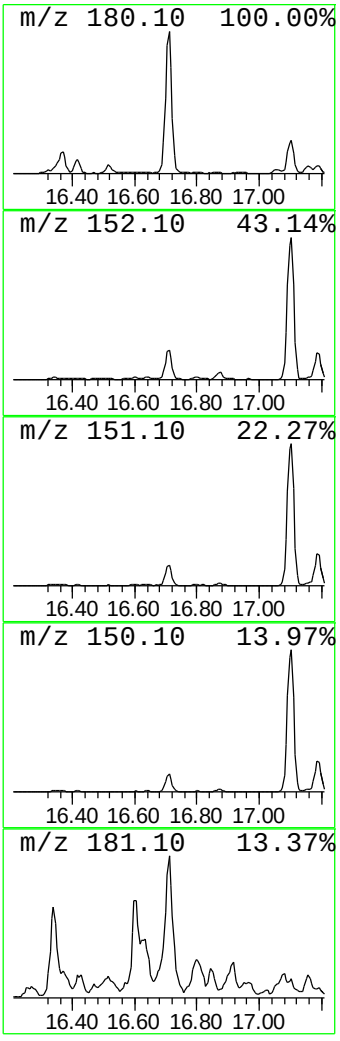
Peak Number 11 9H-Fluoren-9-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	8.45 ng/ul	1661060	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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Misc :
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Instrument : BNA_M
ClientSampleId : BFB79

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Quant Title : SVOA CALIBRATION

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

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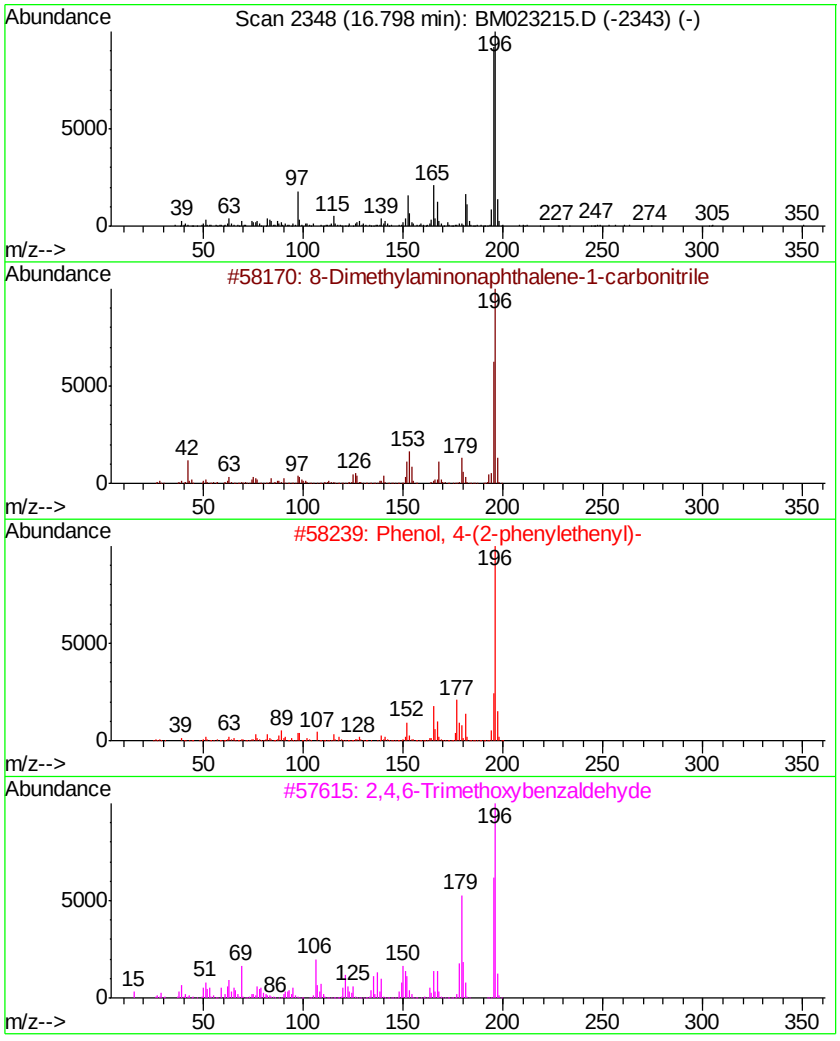
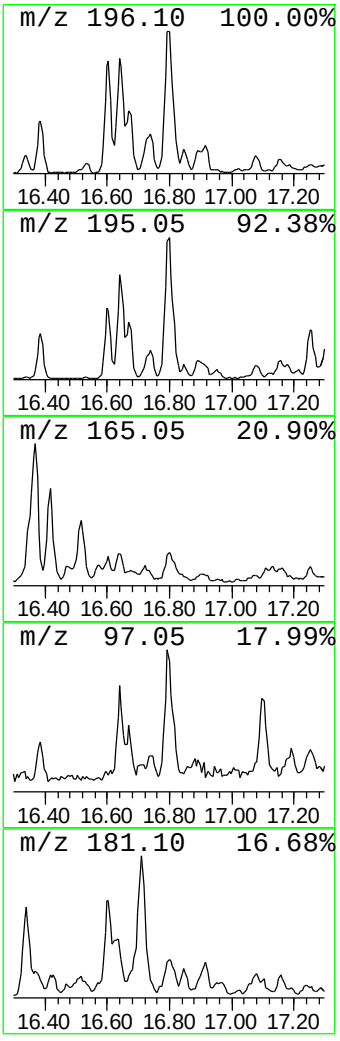
Peak Number 12 8-Dimethylaminonaphthalene-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	3.37 ng/ul	662411	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	70
3	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	53
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	50





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Quant Title : SVOA CALIBRATION

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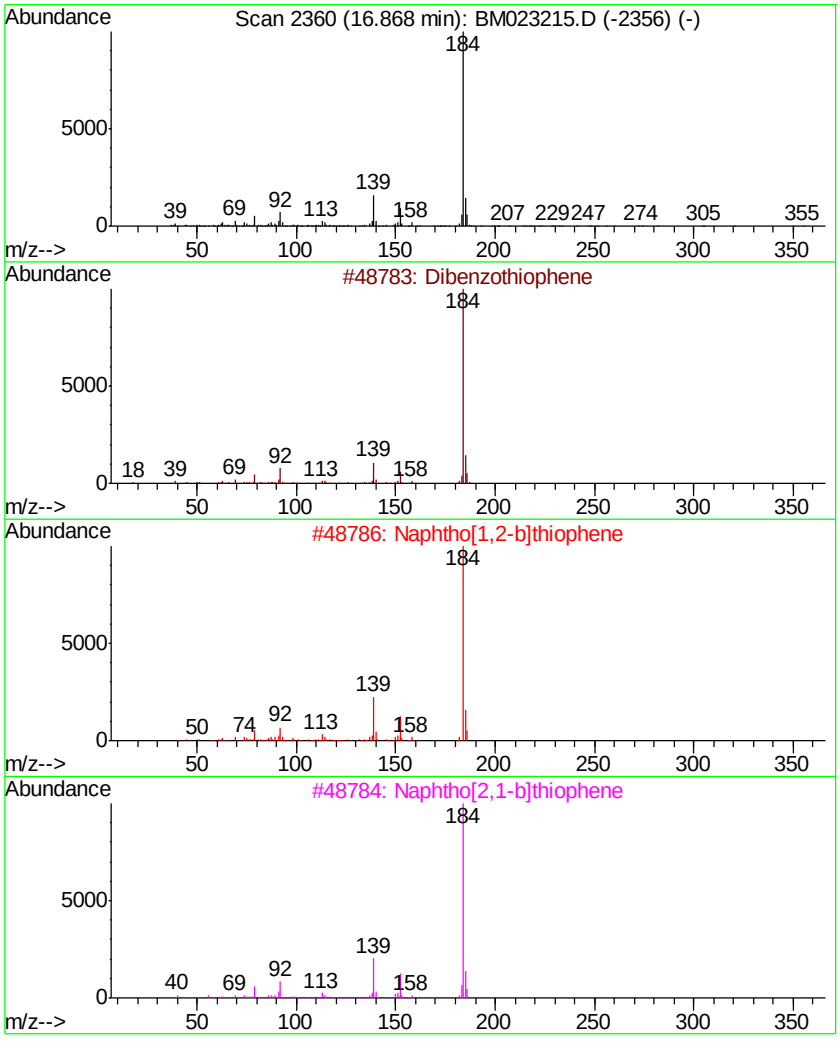
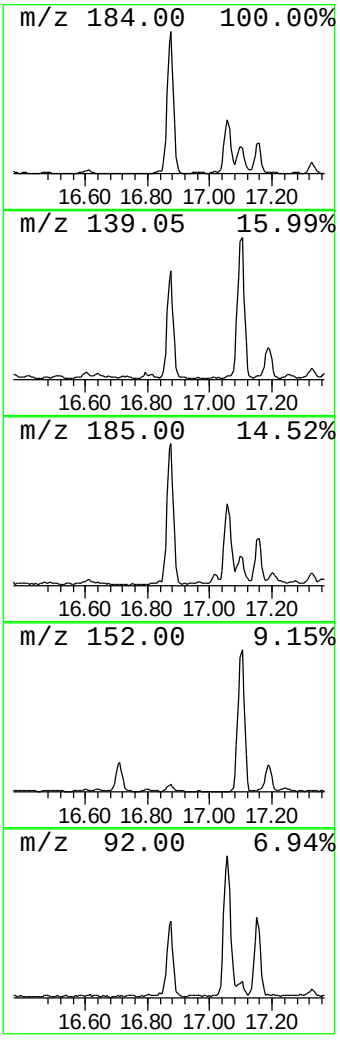
Peak Number 13 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	6.30 ng/ul	1238490	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91





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Quant Title : SVOA CALIBRATION

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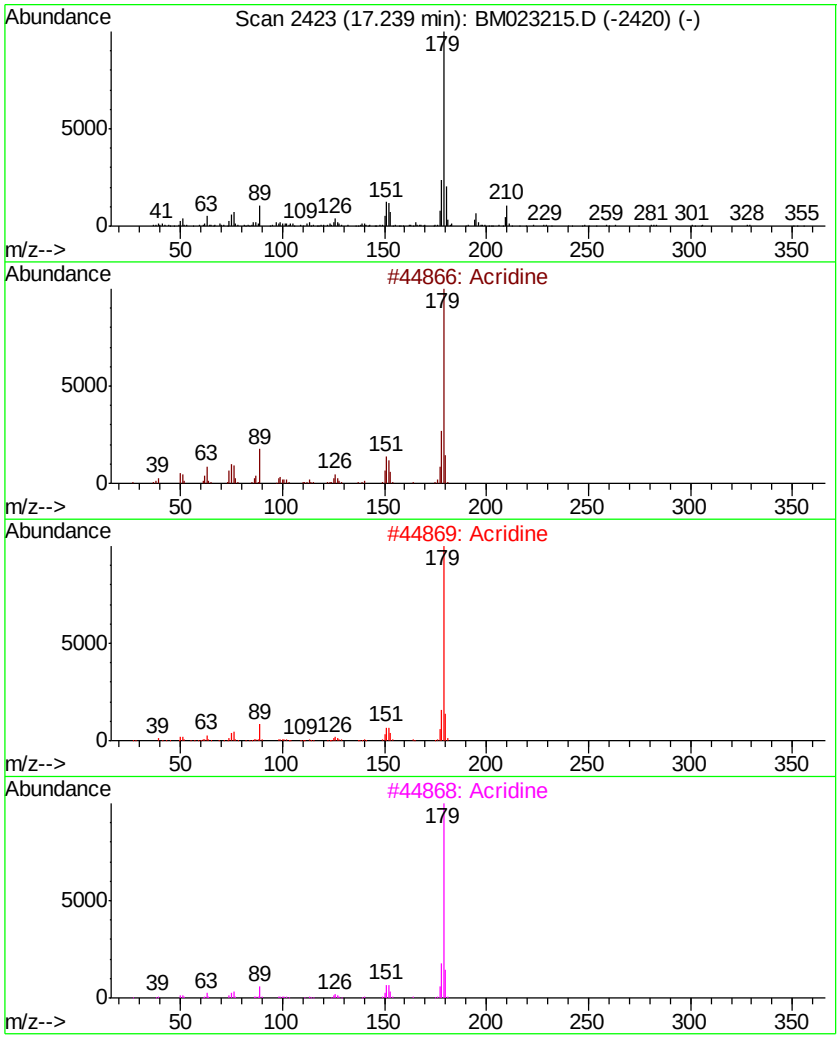
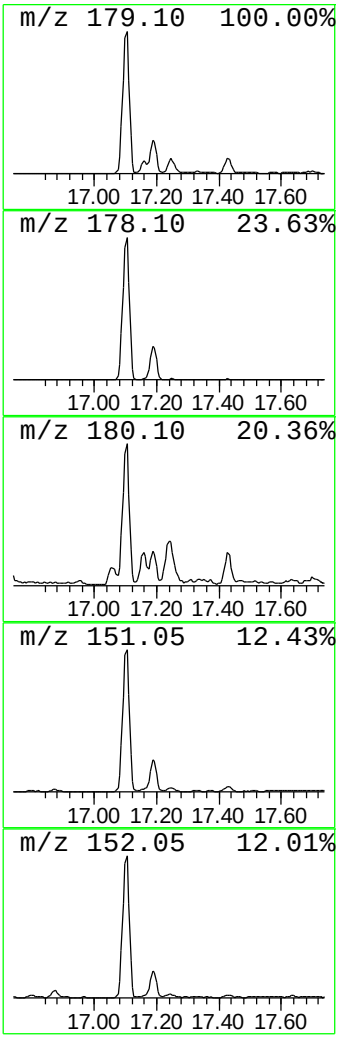
Peak Number 14 Acridine Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	3.52 ng/ul	691616	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Acridine	179	C13H9N	000260-94-6	93
3	Acridine	179	C13H9N	000260-94-6	93
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	90
5	Phenanthridine	179	C13H9N	000229-87-8	86





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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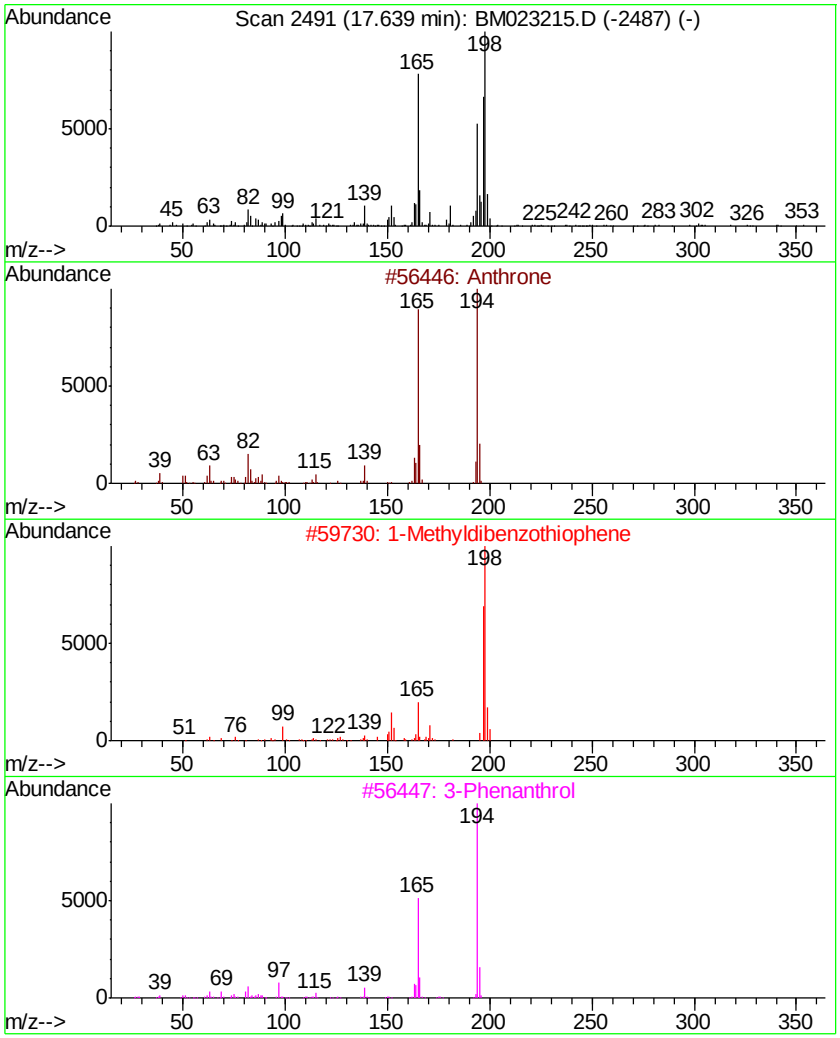
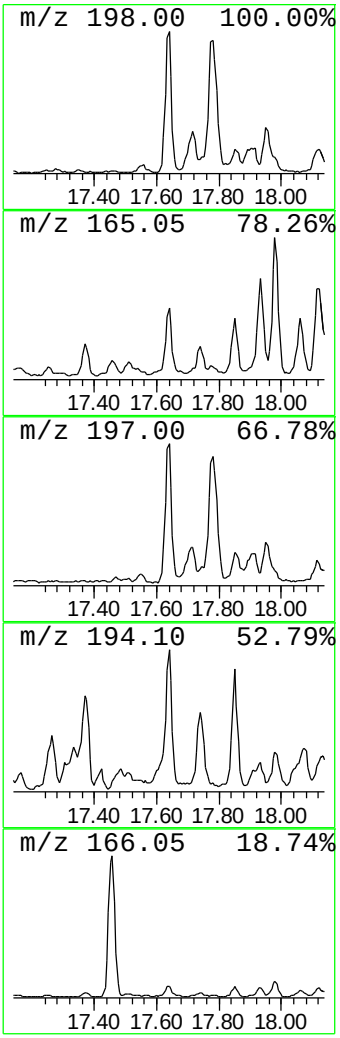
Peak Number 15 Anthrone Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	2.62 ng/ul	516029	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	86
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	50
3	3-Phenanthrol	194	C14H10O	000605-87-8	46
4	Anthrone	194	C14H10O	000090-44-8	46
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	43





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Quant Title : SVOA CALIBRATION

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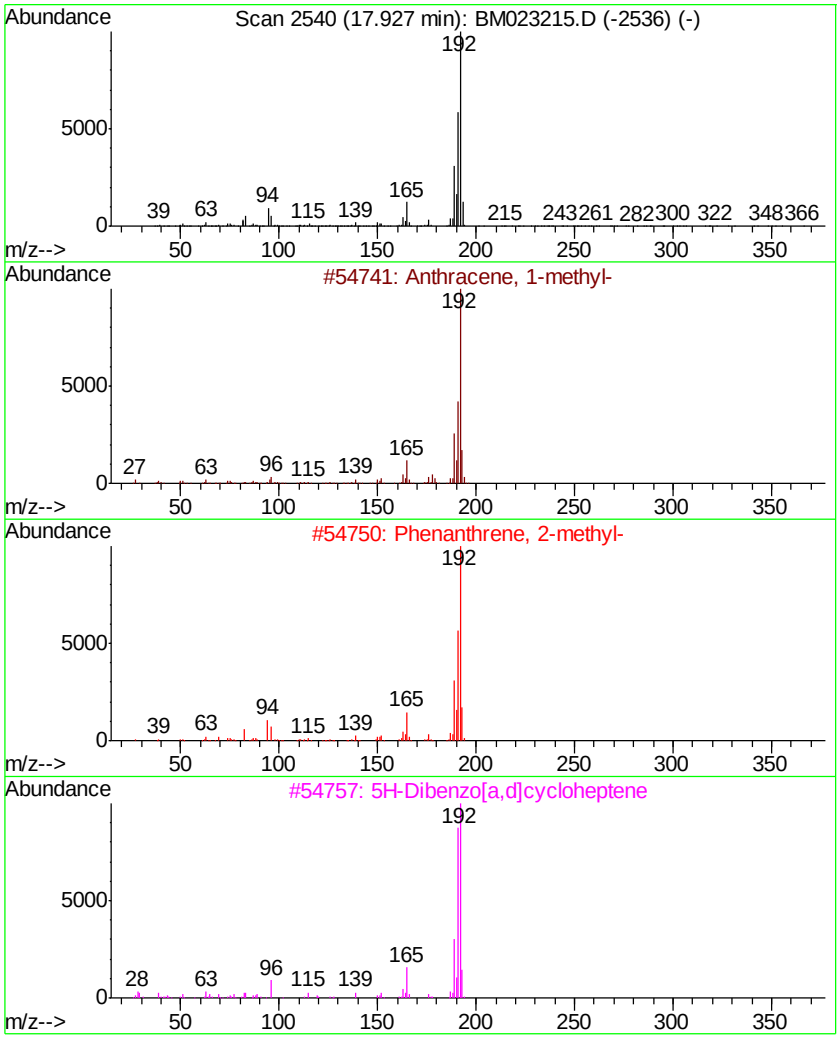
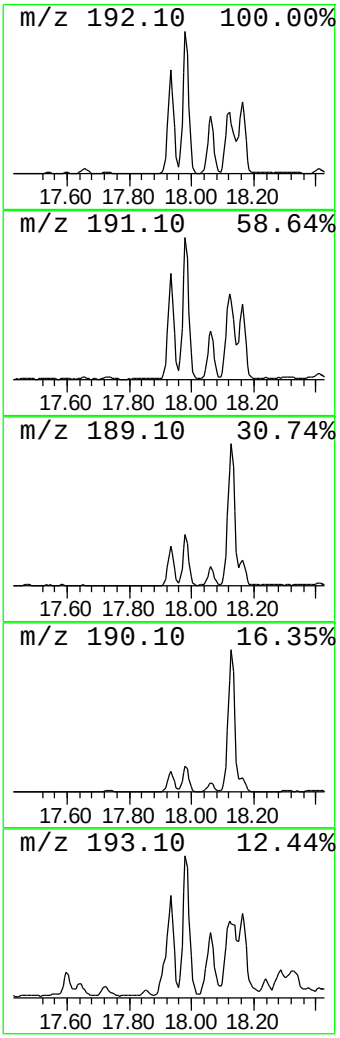
Peak Number 16 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	12.43 ng/ul	2443010	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Operator : JU
Sample : K5262-18
Misc :
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Instrument : BNA_M
ClientSampleId : BFB79

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Quant Title : SVOA CALIBRATION

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

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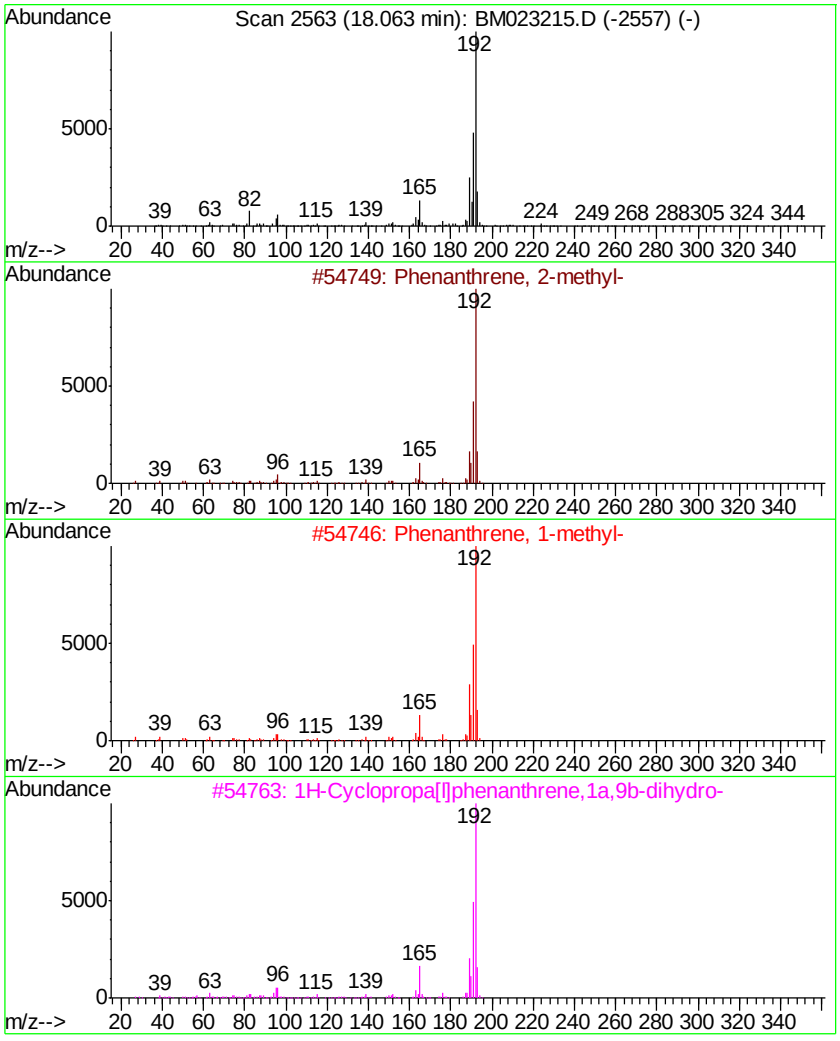
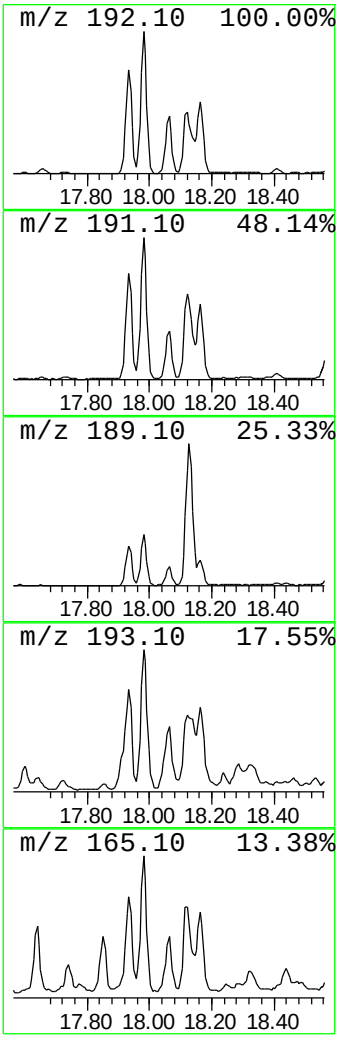
Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	7.58 ng/ul	1490920	Phenanthrene-d10	17.06

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





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Quant Title : SVOA CALIBRATION

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

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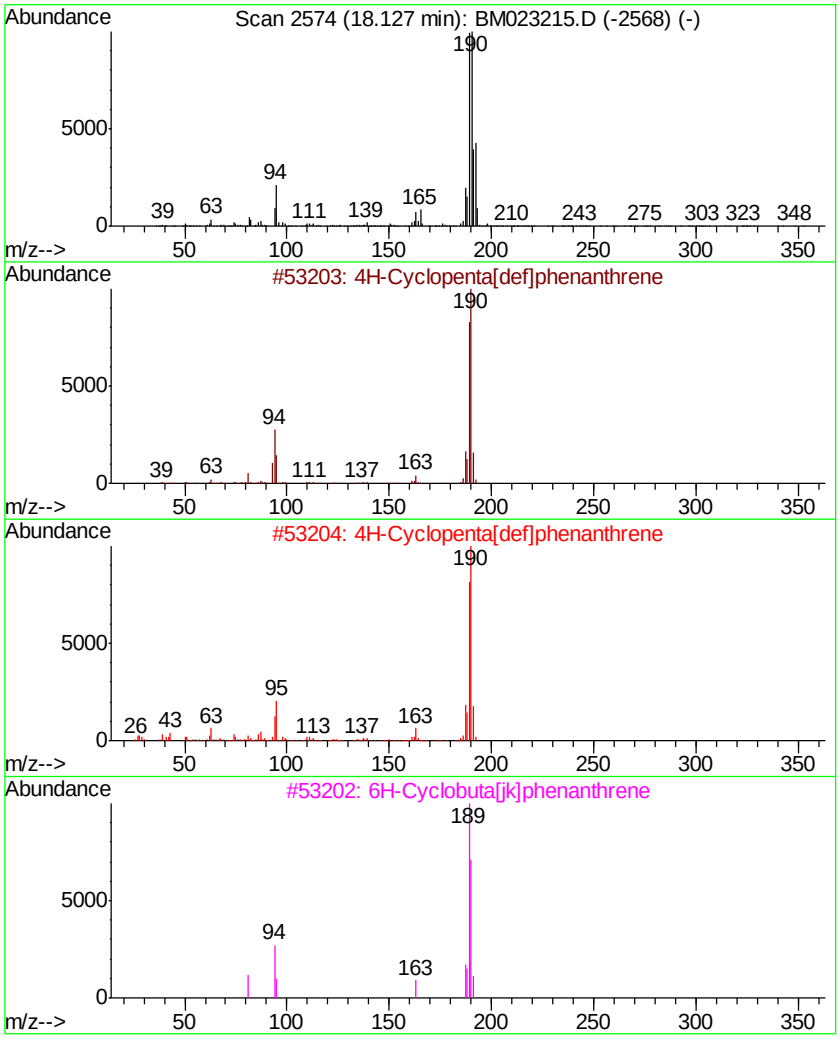
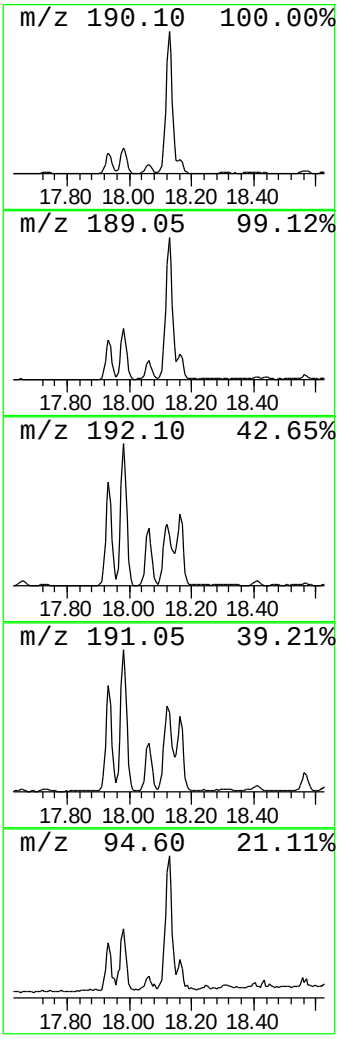
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	24.93 ng/ul	4900320	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43





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Quant Title : SVOA CALIBRATION

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

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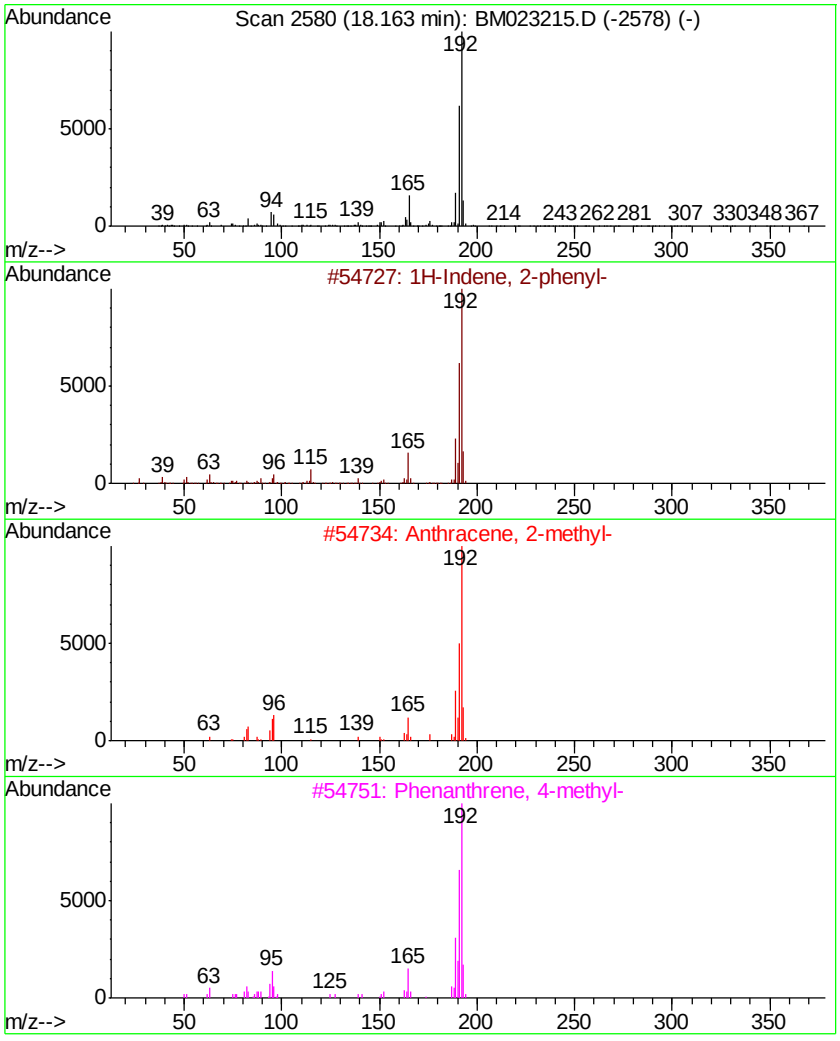
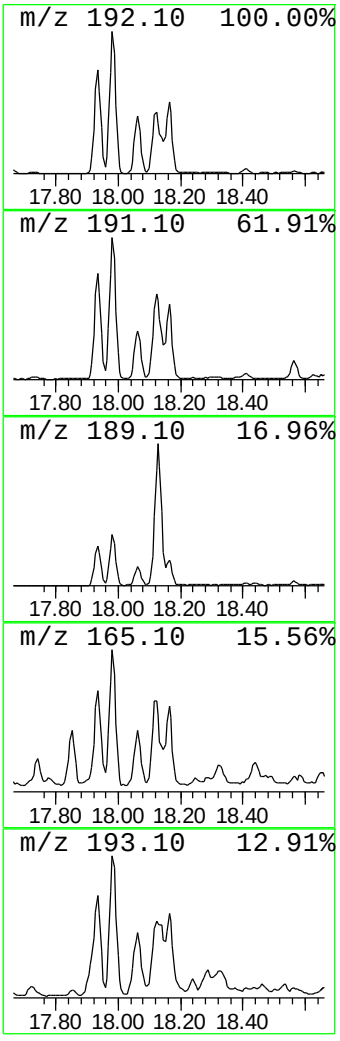
Peak Number 20 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	7.04 ng/ul	1383640	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Quant Title : SVOA CALIBRATION

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

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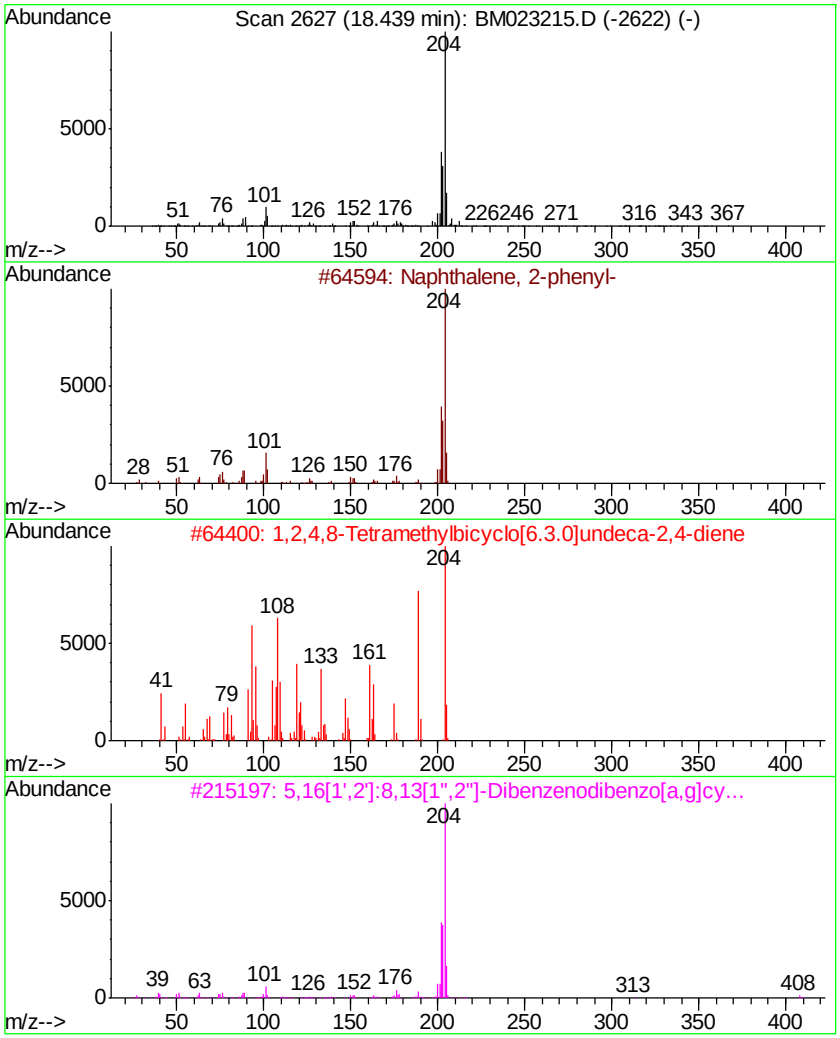
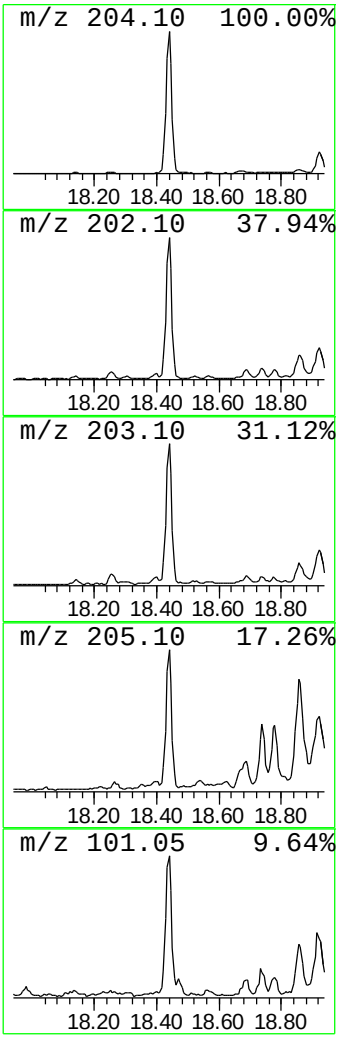
Peak Number 21 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	10.48 ng/ul	2060560	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
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, 2-phenyl-	204	C16H12	000612-94-2	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Quant Title : SVOA CALIBRATION

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

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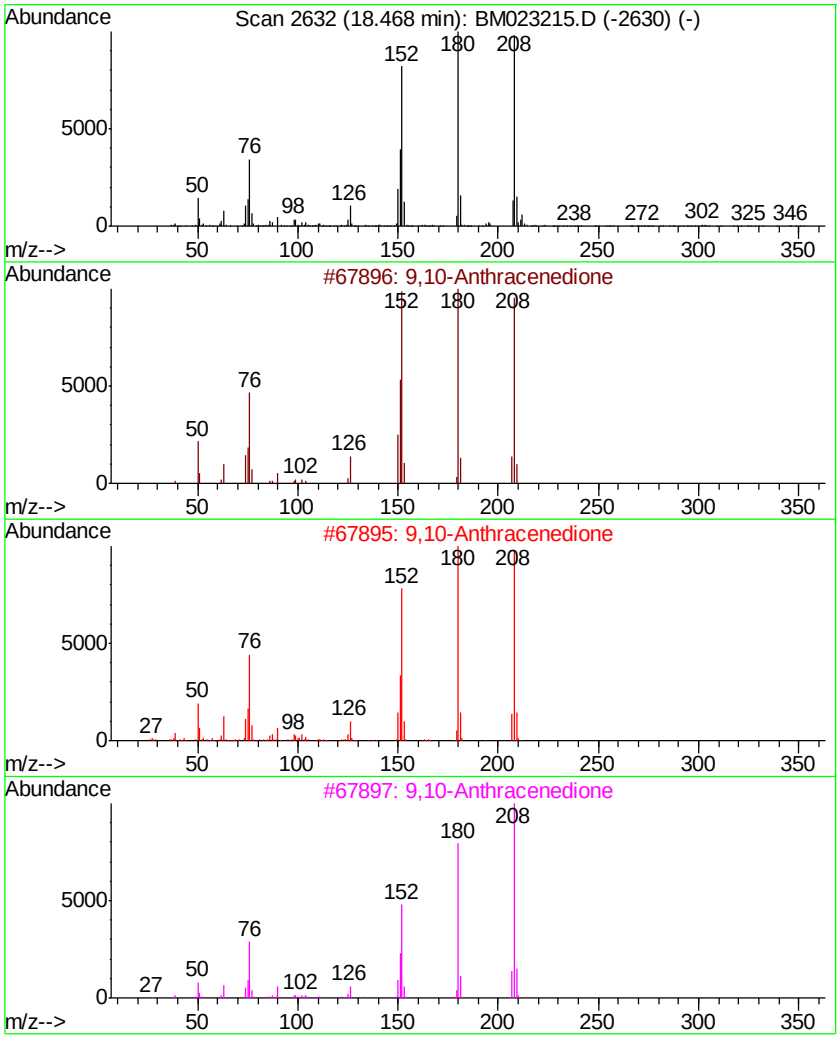
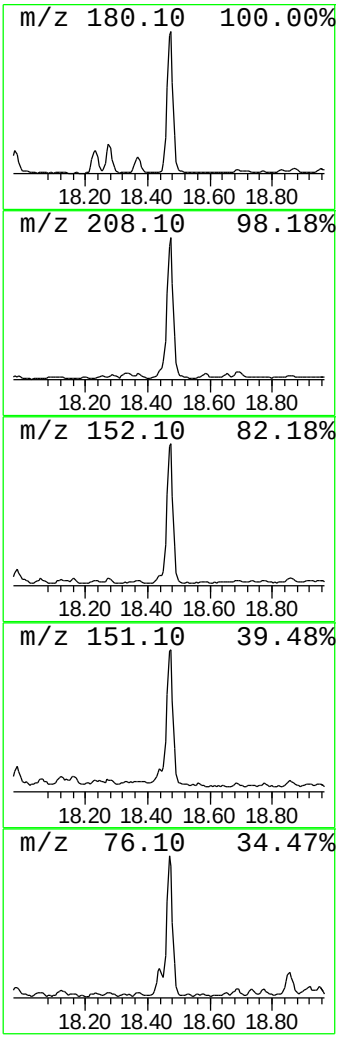
Peak Number 22 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	12.08 ng/ul	2375250	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58





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Quant Title : SVOA CALIBRATION

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

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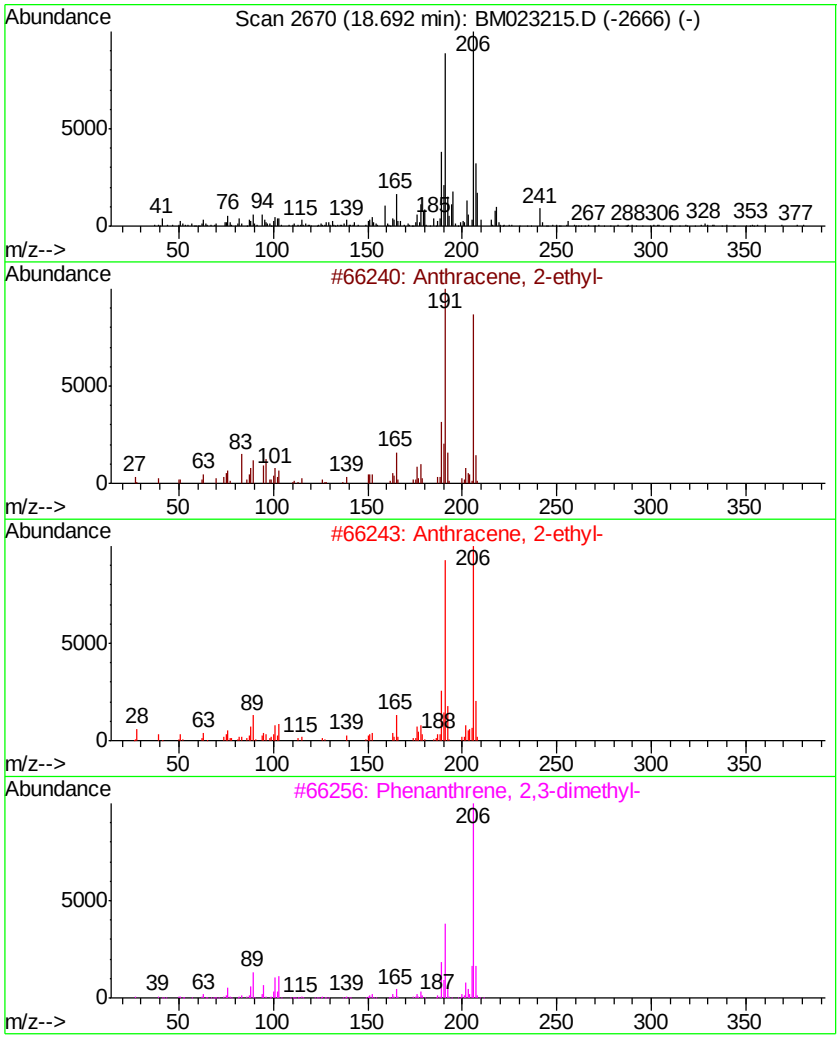
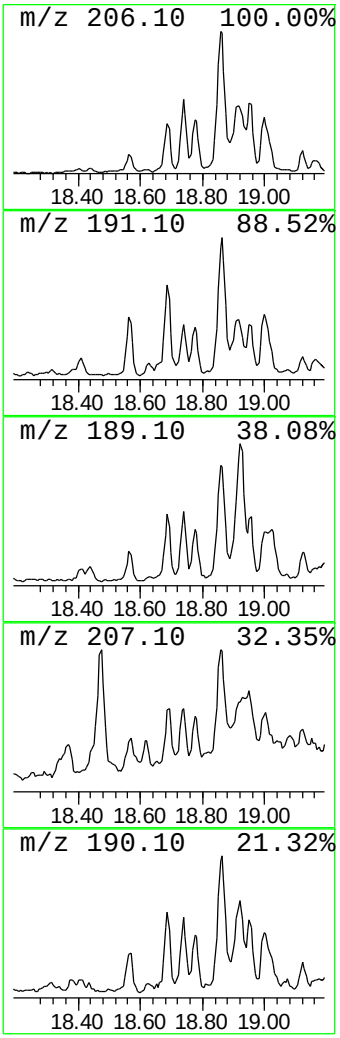
Peak Number 23 Anthracene, 2-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	2.80 ng/ul	550134	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	80





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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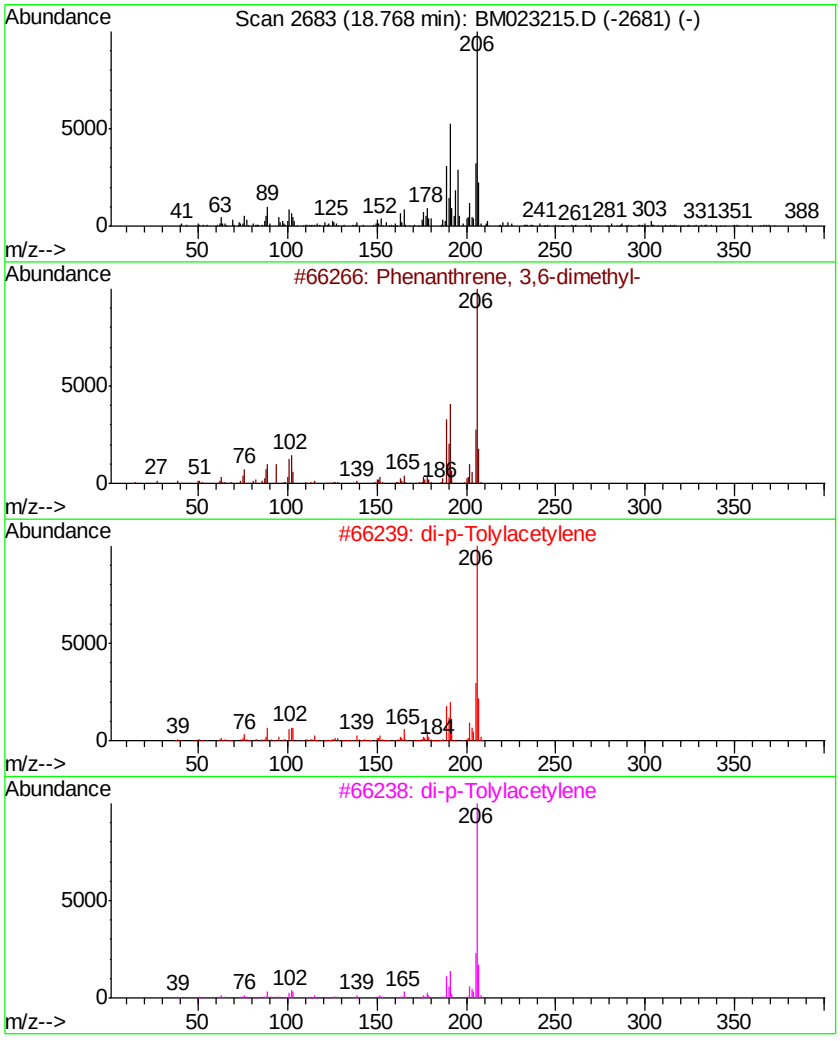
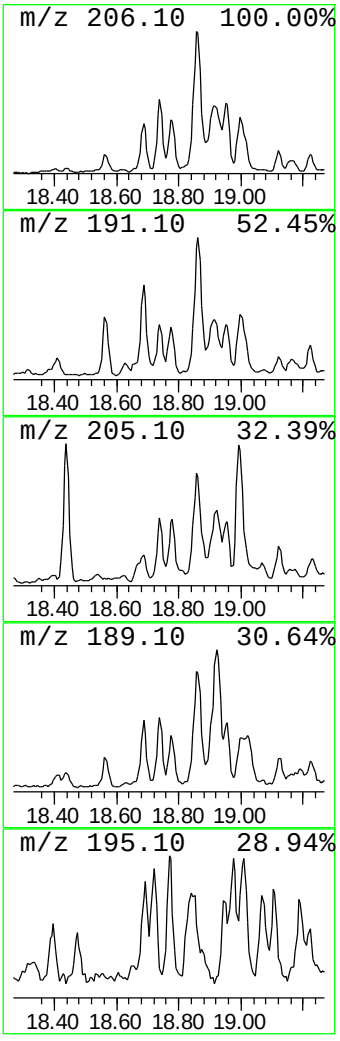
Peak Number 24 Phenanthrene, 3,6-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	2.82 ng/ul	554543	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	74
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74





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Quant Title : SVOA CALIBRATION

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

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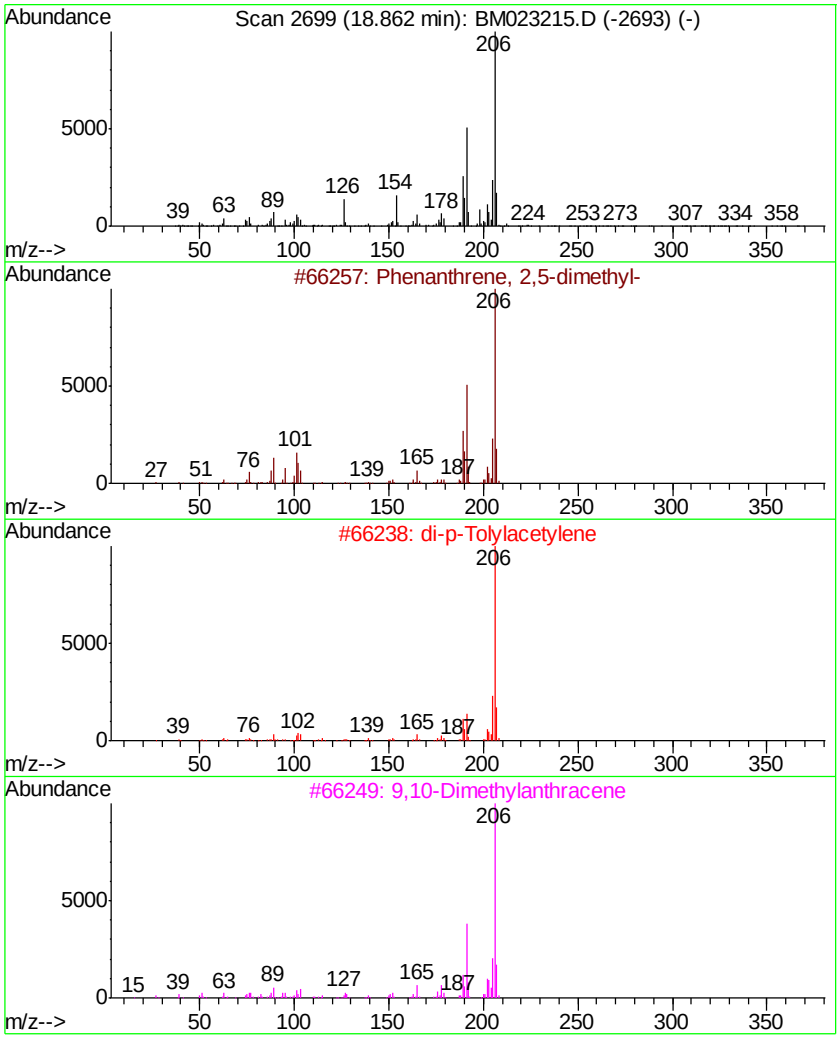
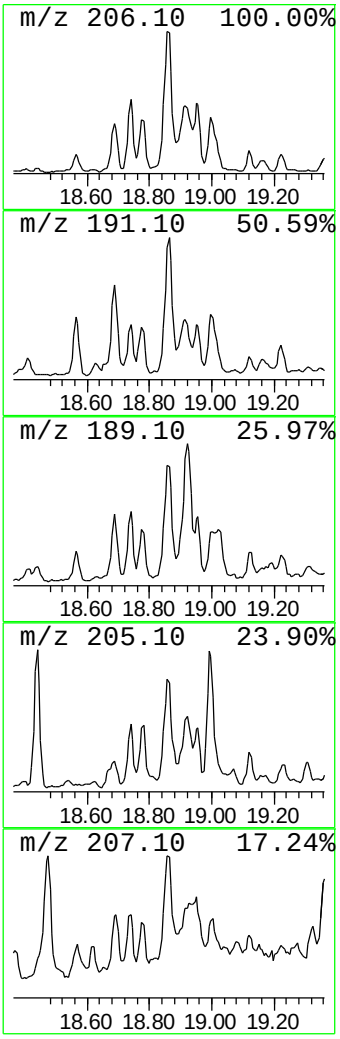
Peak Number 25 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	9.75 ng/ul	1917630	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76





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Quant Title : SVOA CALIBRATION

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

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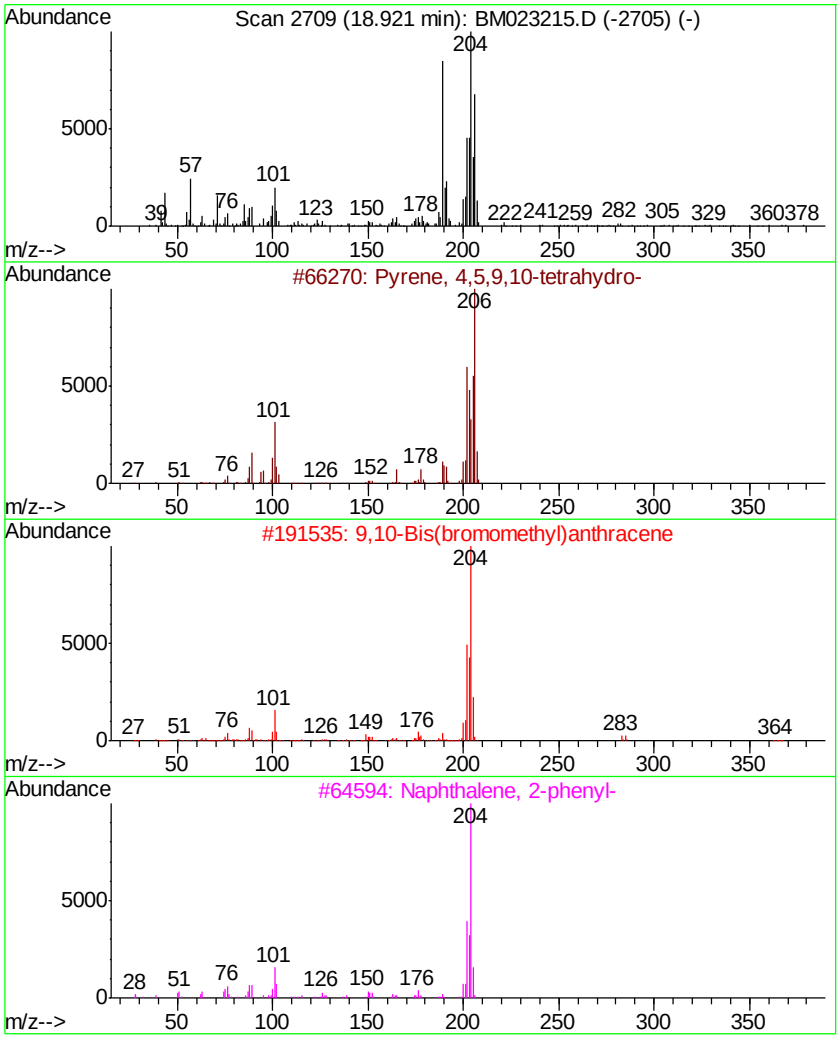
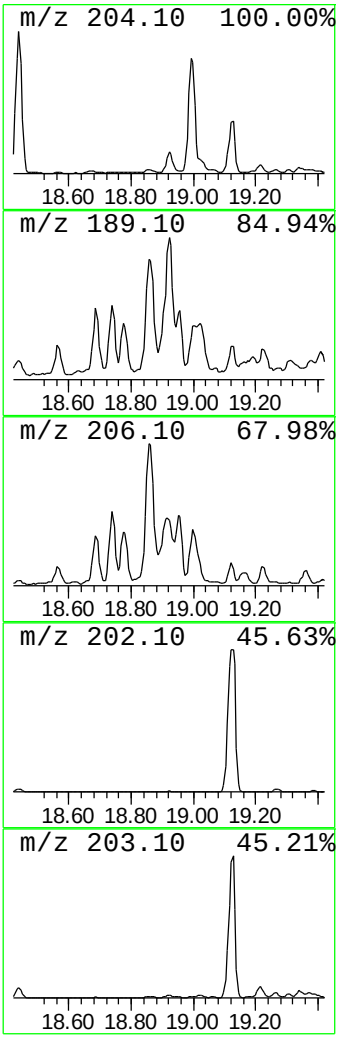
Peak Number 26 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	3.53 ng/ul	694750	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	53
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	42
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	35





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TIC Library : C:\DATABASE\NIST11.L
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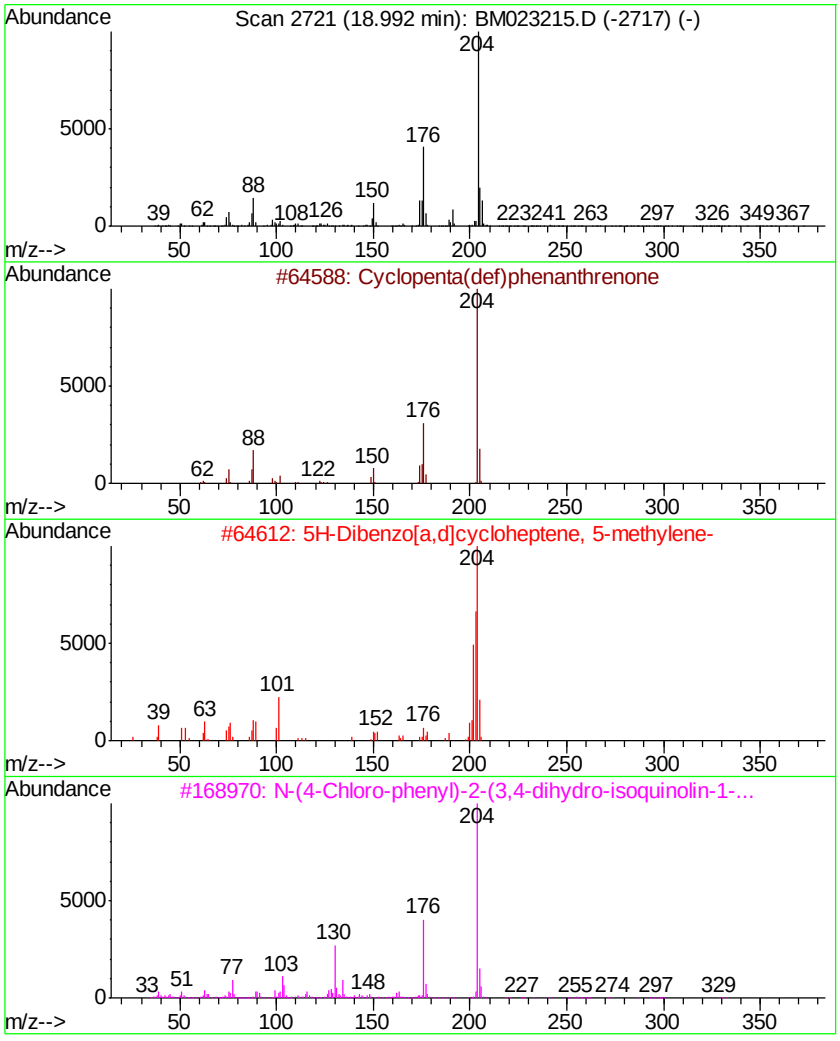
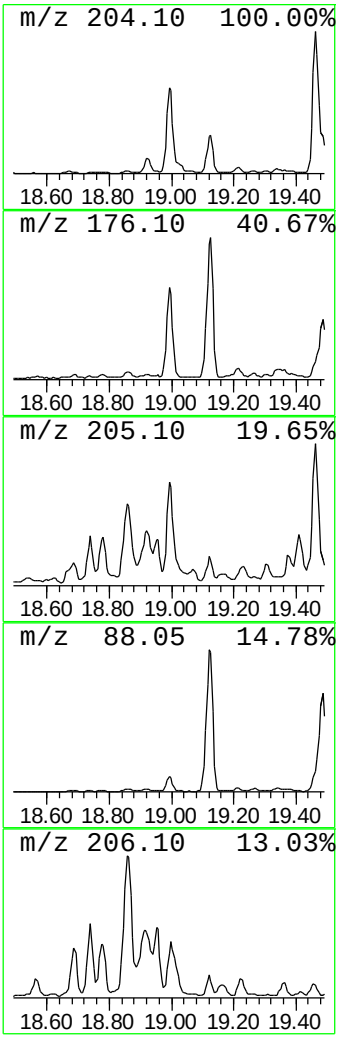
Peak Number 27 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	11.51 ng/ul	2263300	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	45
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43





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Quant Title : SVOA CALIBRATION

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

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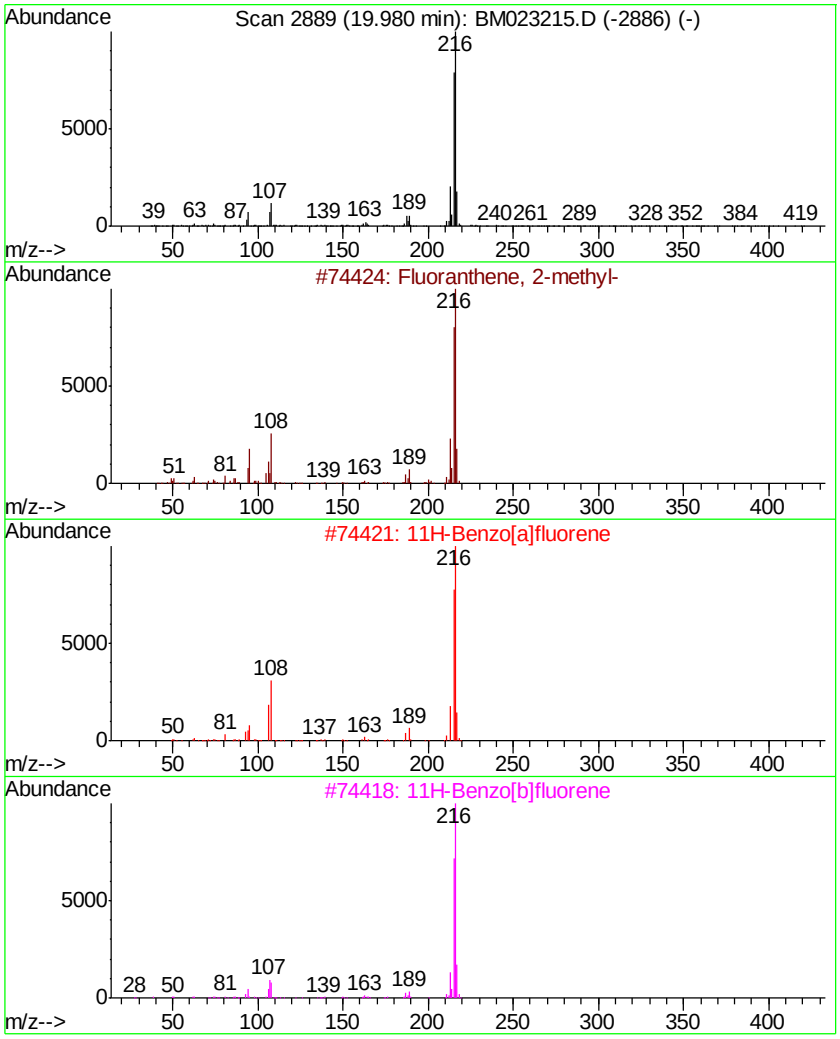
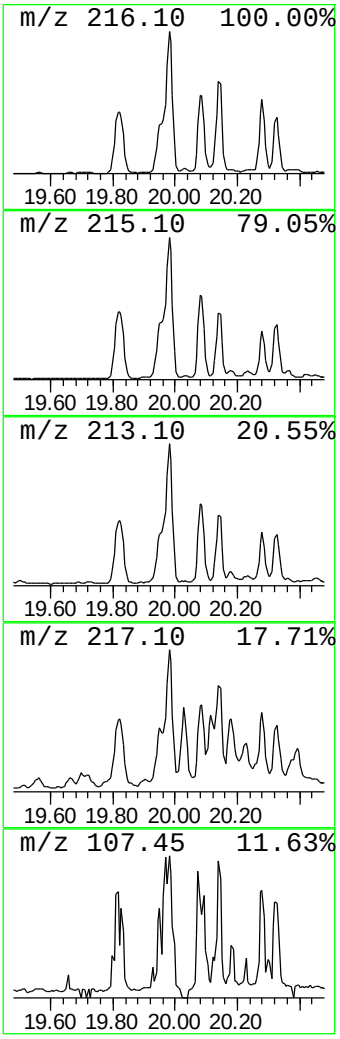
Peak Number 28 Fluoranthene, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	2.41 ng/ul	3689830	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
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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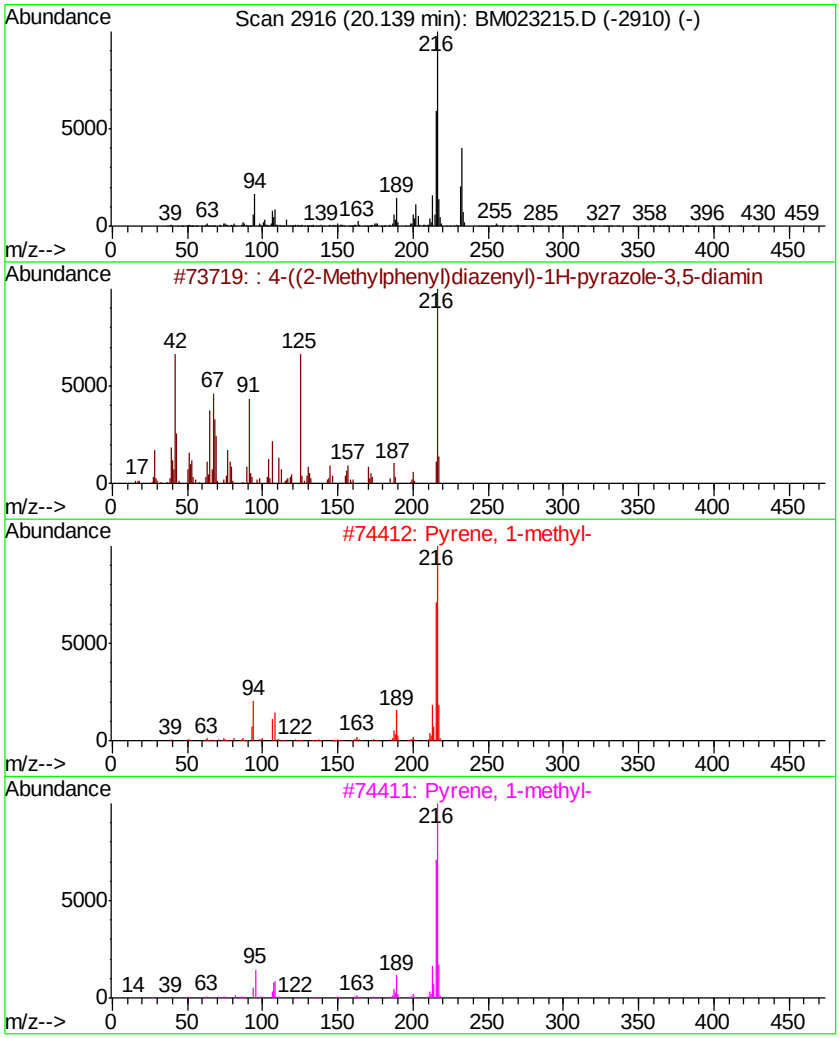
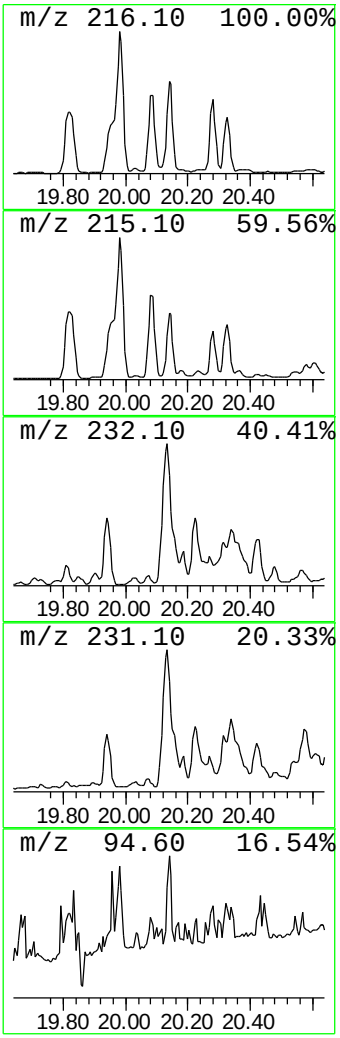
Peak Number 29 : 4-((2-Methylphenyl)diazen... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	2.18 ng/ul	3336630	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-((2-Methylphenyl)diazenyl)-1...	216	C10H12N6	1000332-58-9	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023215.D
Acq On : 17 Oct 2019 11:02
Operator : JU
Sample : K5262-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB79

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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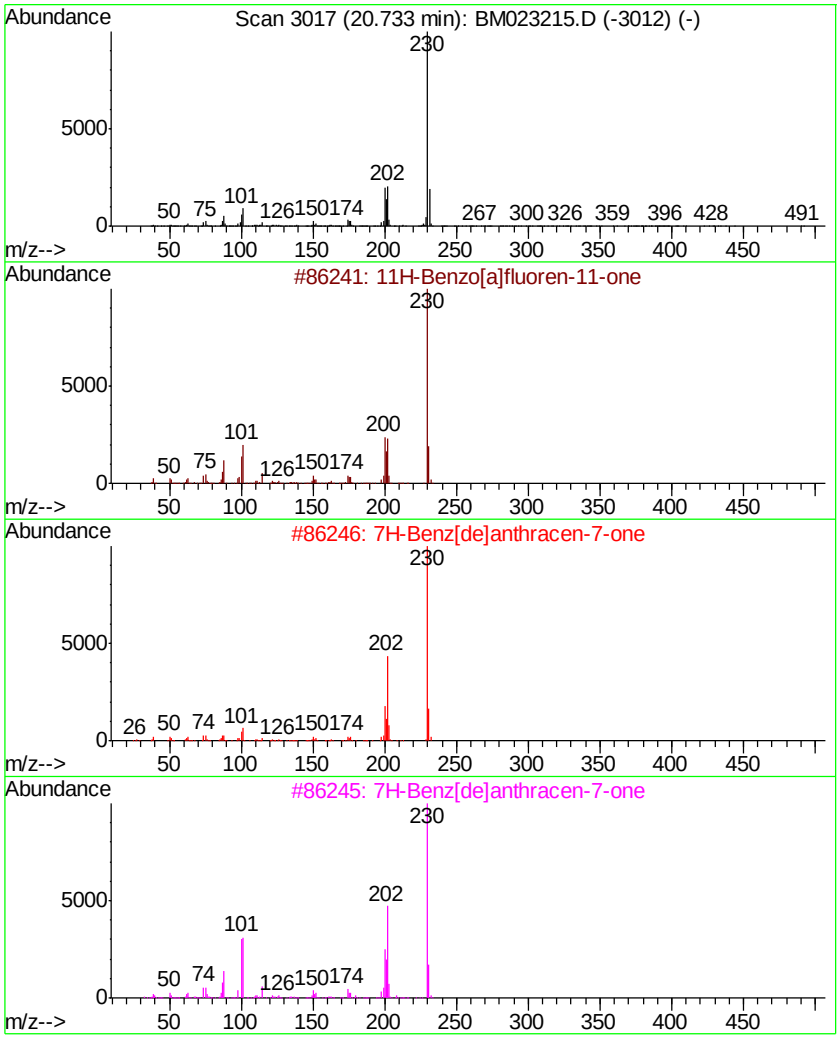
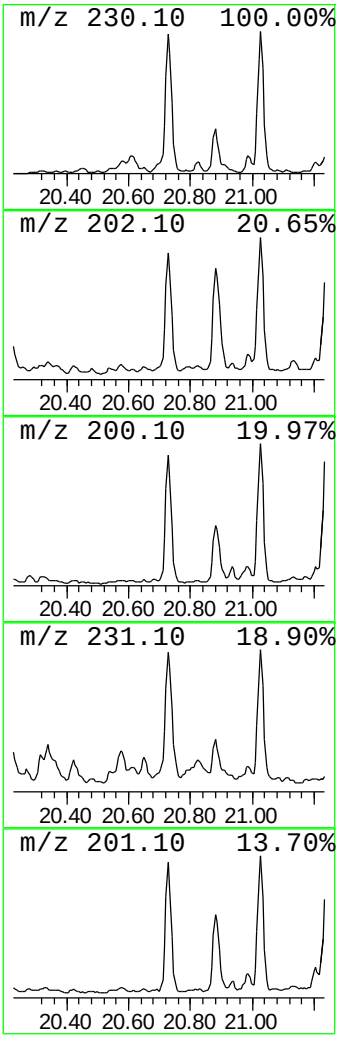
Peak Number 30 11H-Benzo[a]fluoren-11-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.60 ng/ul	3977780	Chrysene-d12	21.25

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	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023215.D
Acq On : 17 Oct 2019 11:02
Operator : JU
Sample : K5262-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB79

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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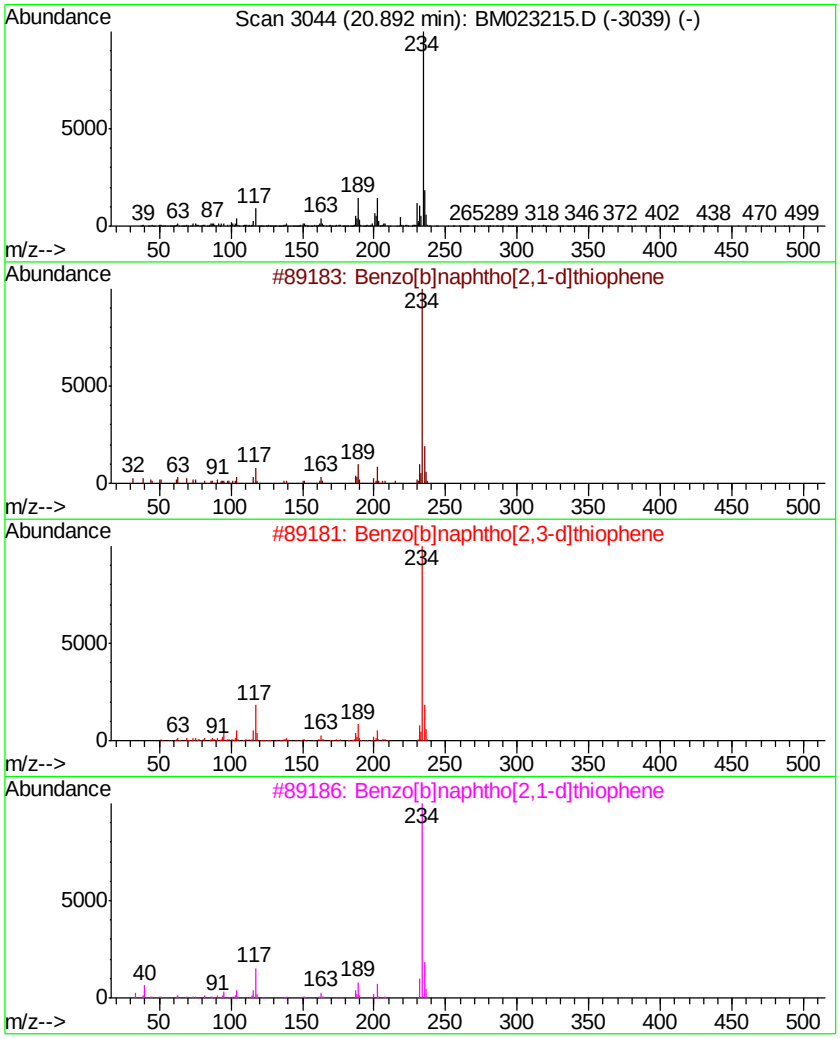
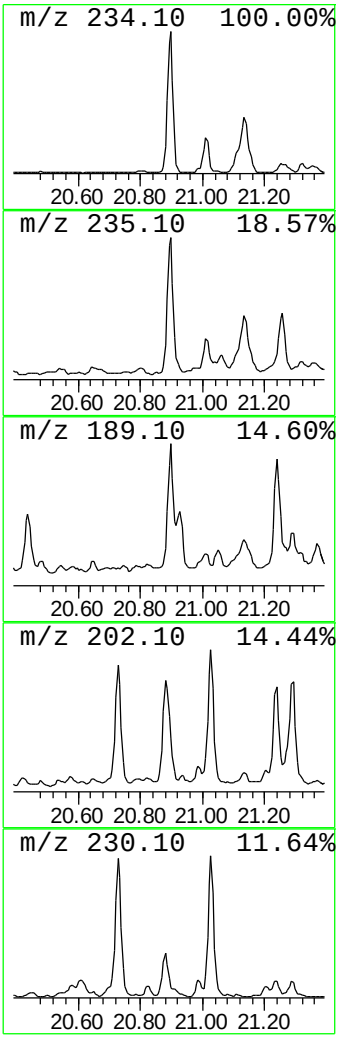
Peak Number 31 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	2.76 ng/ul	4229720	Chrysene-d12	21.25

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[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101619\
Data File : BM023215.D
Acq On : 17 Oct 2019 11:02
Operator : JU
Sample : K5262-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB79

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION

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

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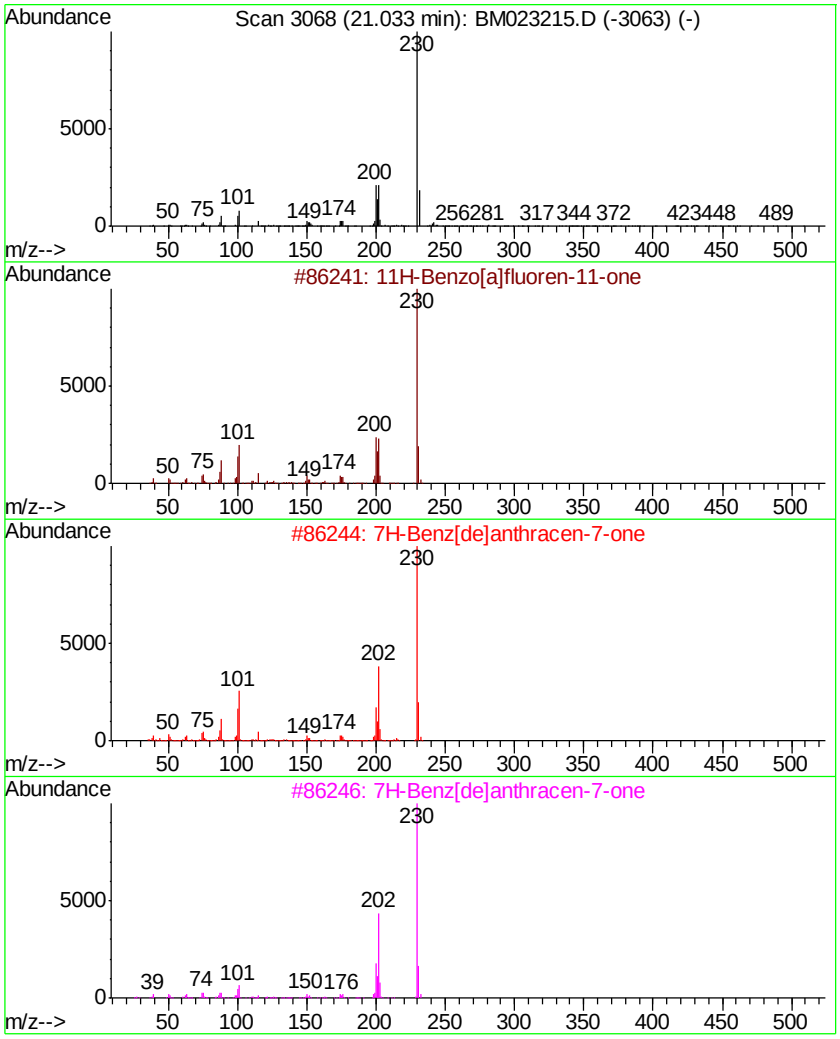
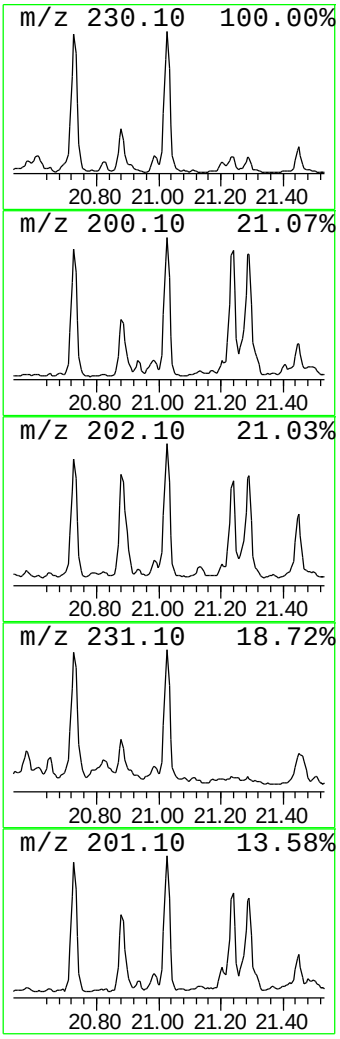
Peak Number 32 7H-Benz[de]anthracen-7-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.03	2.98 ng/ul	4562260	Chrysene-d12	21.25

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	86
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
5	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101619\
Data File : BM023215.D
Acq On : 17 Oct 2019 11:02
Operator : JU
Sample : K5262-18
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFB79

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.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
unknown-01	3.68	2.8	ng/ul	314235	1	7.66	2231230	20.0
Naphthalene, 1-me...	12.34	3.0	ng/ul	459533	2	10.45	3034050	20.0
Naphthalene, 2,3-...	13.63	2.7	ng/ul	504047	3	14.31	3683640	20.0
Diphenylmethane	15.52	2.0	ng/ul	372644	3	14.31	3683640	20.0
9H-Fluoren-9-ol	15.66	4.3	ng/ul	798066	3	14.31	3683640	20.0
2,4,6-Cycloheptat...	15.80	5.7	ng/ul	1111020	4	17.06	3931670	20.0
1(2H)-Acenaphthyl...	16.03	2.1	ng/ul	418039	4	17.06	3931670	20.0
9H-Fluorene, 1-me...	16.37	2.6	ng/ul	504410	4	17.06	3931670	20.0
Dibenz[c,e]oxepin...	16.64	2.0	ng/ul	402809	4	17.06	3931670	20.0
9H-Fluoren-9-one	16.71	8.4	ng/ul	1661060	4	17.06	3931670	20.0
8-Dimethylaminona...	16.80	3.4	ng/ul	662411	4	17.06	3931670	20.0
Dibenzothiophene	16.87	6.3	ng/ul	1238490	4	17.06	3931670	20.0
Acridine	17.24	3.5	ng/ul	691616	4	17.06	3931670	20.0
Anthrone	17.64	2.6	ng/ul	516029	4	17.06	3931670	20.0
Anthracene, 1-met...	17.93	12.4	ng/ul	2443010	4	17.06	3931670	20.0
Phenanthrene, 2-m...	18.06	7.6	ng/ul	1490920	4	17.06	3931670	20.0
4H-Cyclopenta[def...	18.13	24.9	ng/ul	4900320	4	17.06	3931670	20.0
1H-Indene, 2-phenyl-	18.16	7.0	ng/ul	1383640	4	17.06	3931670	20.0
1,2,4,8-Tetrameth...	18.44	10.5	ng/ul	2060560	4	17.06	3931670	20.0
9,10-Anthracenedione	18.47	12.1	ng/ul	2375250	4	17.06	3931670	20.0
Anthracene, 2-ethyl-	18.69	2.8	ng/ul	550134	4	17.06	3931670	20.0
Phenanthrene, 3,6...	18.77	2.8	ng/ul	554543	4	17.06	3931670	20.0
Phenanthrene, 2,5...	18.86	9.8	ng/ul	1917630	4	17.06	3931670	20.0
Pyrene, 4,5,9,10-...	18.92	3.5	ng/ul	694750	4	17.06	3931670	20.0
Cyclopenta(def)ph...	18.99	11.5	ng/ul	2263300	4	17.06	3931670	20.0
Fluoranthene, 2-m...	19.98	2.4	ng/ul	3689830	5	21.25	30656900	20.0
: 4-((2-Methylphe...	20.14	2.2	ng/ul	3336630	5	21.25	30656900	20.0
11H-Benzo[a]fluor...	20.73	2.6	ng/ul	3977780	5	21.25	30656900	20.0
Benzo[b]naphtho[2...	20.89	2.8	ng/ul	4229720	5	21.25	30656900	20.0
7H-Benz[de]anthra...	21.03	3.0	ng/ul	4562260	5	21.25	30656900	20.0