LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020802.D
Acq On : 07 Jun 2019 14:01
Operator : HP/JU
Sample : K3201-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD1

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-BM060619MA.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	3.051	6	11	30	rVB	10589035	14083610	46.47%	3.403%
2	6.975	671	678	692	rVB	1267163	2156063	7.11%	0.521%
3	7.151	701	708	720	rBV	1107637	1744428	5.76%	0.422%
4	7.345	733	741	750	rBV	1476034	2316294	7.64%	0.560%
5	7.816	810	821	828	rBV	923952	1496032	4.94%	0.362%
6	8.510	933	939	947	rBV	1392569	2246382	7.41%	0.543%
7	8.975	1010	1018	1026	rBV	1333278	2194107	7.24%	0.530%
8	9.692	1130	1140	1151	rBV	1088862	1826213	6.03%	0.441%
9	10.222	1220	1230	1238	rBV	1699291	2815676	9.29%	0.680%
10	10.604	1285	1295	1300	rBV	1192442	2016402	6.65%	0.487%
11	10.745	1311	1319	1334	rBV	1283992	2232063	7.36%	0.539%
12	13.768	1827	1833	1838	rBV	421416	718227	2.37%	0.174%
13	13.862	1844	1849	1853	rVV	2921473	3953556	13.04%	0.955%
14	13.910	1853	1857	1865	rVB	1049030	1455752	4.80%	0.352%
15	14.145	1890	1897	1909	rVB2	3228076	5589241	18.44%	1.351%
16	14.451	1939	1949	1955	rBV2	1636115	2707936	8.93%	0.654%
17	14.515	1955	1960	1967	rVV	1266123	1916630	6.32%	0.463%
18	14.645	1976	1982	1993	rBV2	946908	1590302	5.25%	0.384%
19	14.851	2011	2017	2024	rVV	1049996	1586821	5.24%	0.383%
20	15.445	2111	2118	2123	rVV	3963154	5904516	19.48%	1.427%
21	15.498	2123	2127	2135	rVV	1561004	2446647	8.07%	0.591%
22	15.568	2135	2139	2145	rVV2	500828	972108	3.21%	0.235%
23	15.662	2151	2155	2160	rVV	343724	579166	1.91%	0.140%
24	15.792	2172	2177	2185	rVB	811469	1269631	4.19%	0.307%
25	15.939	2193	2202	2210	rVB	873611	1779929	5.87%	0.430%
26	16.503	2287	2298	2302	rBV3	592440	1513767	4.99%	0.366%
27	16.727	2328	2336	2339	rVV3	581710	1086575	3.58%	0.263%
28	16.768	2339	2343	2346	rVV2	593331	940883	3.10%	0.227%
29	16.851	2353	2357	2364	rVB	932179	1468865	4.85%	0.355%
30	16.927	2364	2370	2377	rBV3	628075	1597735	5.27%	0.386%
31	17.015	2381	2385	2394	rVB	863489	1317349	4.35%	0.318%
32	17.198	2411	2416	2419	rBV	1895555	2925497	9.65%	0.707%
33	17.245	2419	2424	2429	rVV	16305754	23107414	76.24%	5.584%
34	17.298	2429	2433	2436	rVV	4303794	6243419	20.60%	1.509%

LSC Area Percent Report

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Sample : K3201-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD1

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-BM060619MA.M
Title : SVOA CALIBRATION

35	17.333	2436	2439	2443	rVB	4732626	5741693	18.94%	1.388%
36	17.603	2474	2485	2488	rBV2	1137859	2298822	7.58%	0.556%
37	17.774	2510	2514	2523	rVB7	373879	721734	2.38%	0.174%
38	18.074	2555	2565	2569	rBV	2939648	5945520	19.62%	1.437%
39	18.121	2569	2573	2580	rVB	4210008	5932724	19.57%	1.434%
40	18.203	2581	2587	2592	rBV	1797468	2625073	8.66%	0.634%
41	18.268	2592	2598	2602	rBV2	3430905	6684197	22.05%	1.615%
42	18.303	2602	2604	2609	rVB	1951419	2294332	7.57%	0.554%
43	18.503	2635	2638	2645	rVV6	277011	620845	2.05%	0.150%
44	18.574	2645	2650	2654	rVV	1940746	2549161	8.41%	0.616%
45	18.615	2654	2657	2663	rVB	1423118	1972590	6.51%	0.477%
46	18.815	2688	2691	2696	rVV3	778768	1147478	3.79%	0.277%
47	18.868	2696	2700	2703	rVV	684577	819434	2.70%	0.198%
48	18.903	2703	2706	2710	rVB2	600474	760001	2.51%	0.184%
49	18.992	2715	2721	2727	rVV	1572321	3217276	10.61%	0.777%
50	19.056	2727	2732	2734	rVV2	1041780	1845514	6.09%	0.446%
51	19.080	2734	2736	2740	rVV	877850	1187595	3.92%	0.287%
52	19.133	2741	2745	2753	rVB3	1450792	2607338	8.60%	0.630%
53	19.262	2760	2767	2772	rVB	21862563	30309686	100.00%	7.325%
54	19.362	2780	2784	2788	rBV2	918668	1497886	4.94%	0.362%
55	19.456	2795	2800	2803	rBV3	578327	974687	3.22%	0.236%
56	19.497	2804	2807	2811	rVB	531743	737548	2.43%	0.178%
57	19.592	2817	2823	2826	rBV3	9271042	15568528	51.36%	3.762%
58	19.627	2826	2829	2835	rVV	17944003	22107903	72.94%	5.343%
59	19.692	2835	2840	2846	rVB2	1697765	2640327	8.71%	0.638%
60	19.797	2852	2858	2863	rVB	1675430	2525917	8.33%	0.610%
61	19.862	2864	2869	2874	rVB	912816	1458434	4.81%	0.352%
62	19.939	2877	2882	2883	rBV2	1745774	2433349	8.03%	0.588%
63	20.074	2901	2905	2908	rBV3	1385981	2545484	8.40%	0.615%
64	20.115	2908	2912	2917	rVB	3278675	4875294	16.08%	1.178%
65	20.215	2925	2929	2932	rBV	1821062	2298531	7.58%	0.555%
66	20.274	2932	2939	2943	rVV2	2512739	4791509	15.81%	1.158%
67	20.309	2943	2945	2949	rVB2	724589	752984	2.48%	0.182%
68	20.350	2949	2952	2957	rVB2	618459	815794	2.69%	0.197%
69	20.415	2959	2963	2966	rBV	1254609	1677009	5.53%	0.405%
70	20.462	2967	2971	2974	rVB2	1226298	1645422	5.43%	0.398%
71	20.862	3035	3039	3044	rVV	2756745	3631753	11.98%	0.878%

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Instrument : BNA_M
ClientSampleId : C0AD1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Title : SVOA CALIBRATION

72	21.027	3061	3067	3070	rBV2	1907950	3440887	11.35%	0.832%
73	21.068	3070	3074	3076	rBV	1916775	2451769	8.09%	0.593%
74	21.162	3085	3090	3100	rVB2	2972480	4803164	15.85%	1.161%
75	21.268	3101	3108	3114	rBV3	747124	2278140	7.52%	0.551%
76	21.374	3117	3126	3131	rVV3	15031053	27067046	89.30%	6.541%
77	21.421	3131	3134	3143	rVB	11732244	15695069	51.78%	3.793%
78	21.538	3150	3154	3160	rBV3	1384486	2395222	7.90%	0.579%
79	21.597	3161	3164	3168	rBV4	778575	1321038	4.36%	0.319%
80	21.703	3177	3182	3186	rBV2	1349054	2331597	7.69%	0.563%
81	21.744	3187	3189	3193	rVB3	654840	623702	2.06%	0.151%
82	21.880	3209	3212	3216	rBV2	656452	822747	2.71%	0.199%
83	21.938	3218	3222	3226	rVV	2858425	4251397	14.03%	1.027%
84	21.991	3229	3231	3237	rVB	1585667	2009074	6.63%	0.486%
85	22.091	3246	3248	3252	rVB2	588737	698825	2.31%	0.169%
86	22.138	3253	3256	3260	rVV	1124768	1562605	5.16%	0.378%
87	22.174	3260	3262	3269	rVB3	988489	1283825	4.24%	0.310%
88	22.238	3269	3273	3279	rBV2	953112	1643486	5.42%	0.397%
89	22.438	3302	3307	3311	rBV3	956294	1856042	6.12%	0.449%
90	22.991	3393	3401	3406	rBV2	8261660	21441532	70.74%	5.182%
91	23.156	3425	3429	3436	rVB	1770768	2786278	9.19%	0.673%
92	23.297	3448	3453	3455	rBV	747899	1395443	4.60%	0.337%
93	23.480	3478	3484	3489	rBV	3862378	7508609	24.77%	1.815%
94	23.532	3489	3493	3496	rVV	3532395	6205689	20.47%	1.500%
95	23.579	3496	3501	3508	rVB	7197771	13281953	43.82%	3.210%
96	23.674	3512	3517	3521	rVV	1660234	3274865	10.80%	0.791%
97	23.721	3521	3525	3533	rVB2	1994572	4298836	14.18%	1.039%
98	25.997	3903	3912	3923	rVB2	3486980	10431886	34.42%	2.521%
99	26.268	3953	3958	3965	rVB	860139	1948140	6.43%	0.471%
100	26.709	4025	4033	4044	rBV2	1538130	4630461	15.28%	1.119%

Sum of corrected areas: 413797935

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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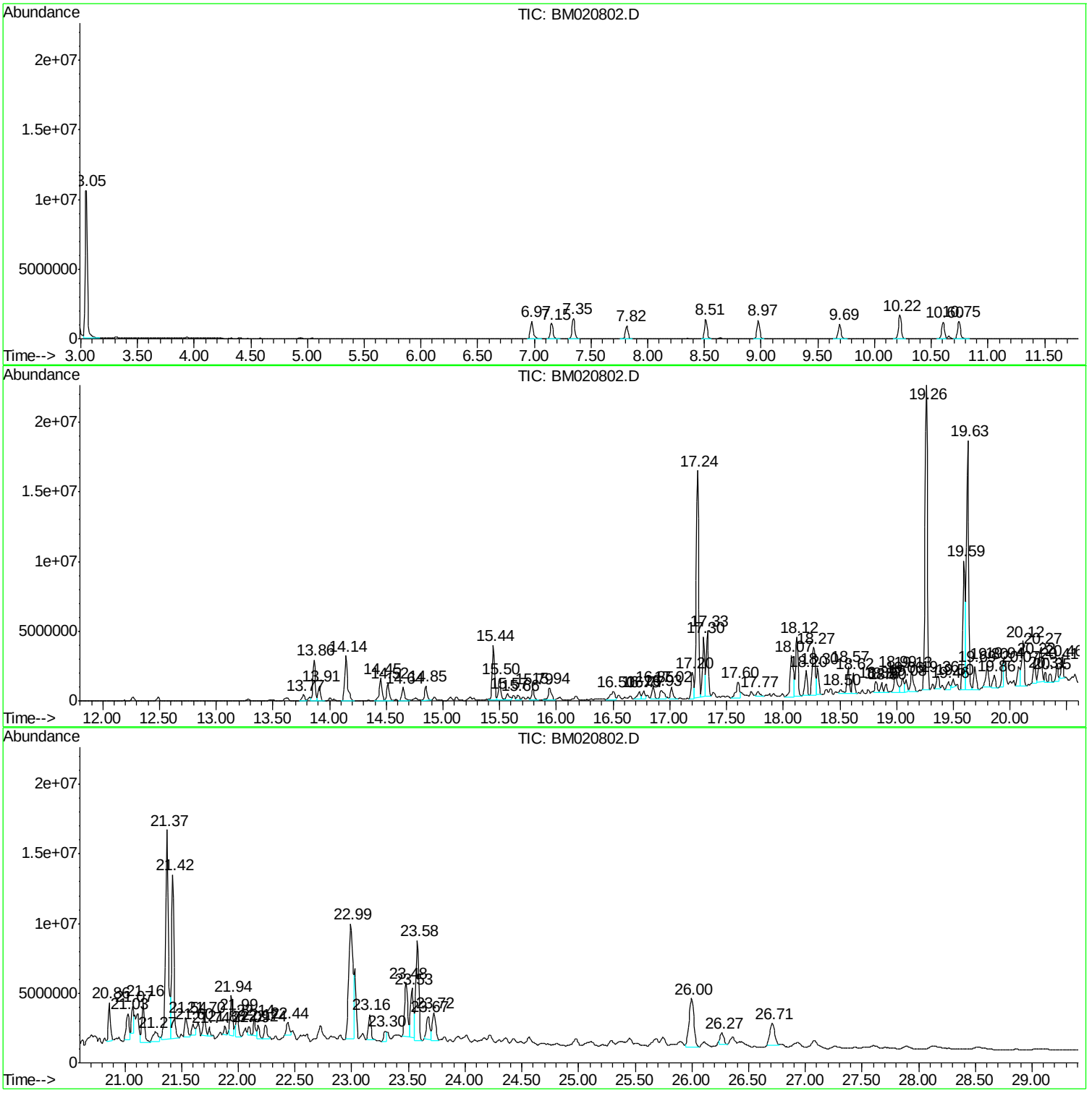
Sample : K3201-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
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Acq On : 07 Jun 2019 14:01
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

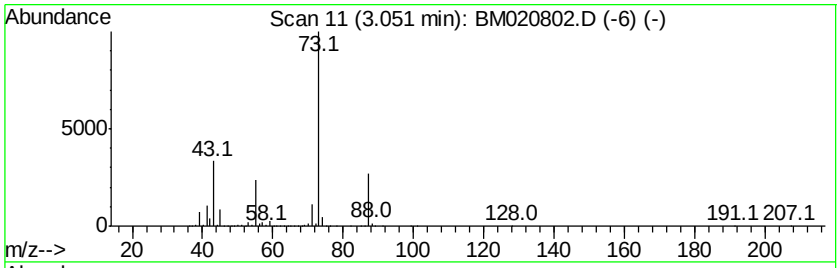
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

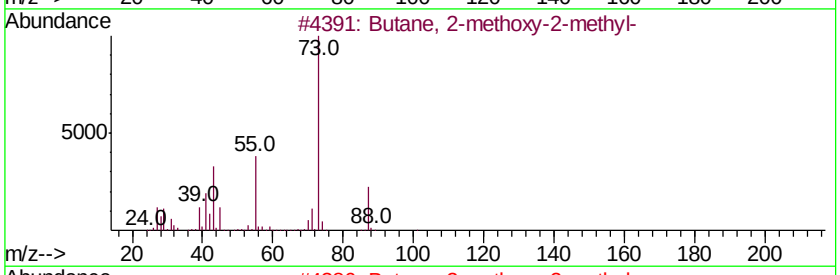
****

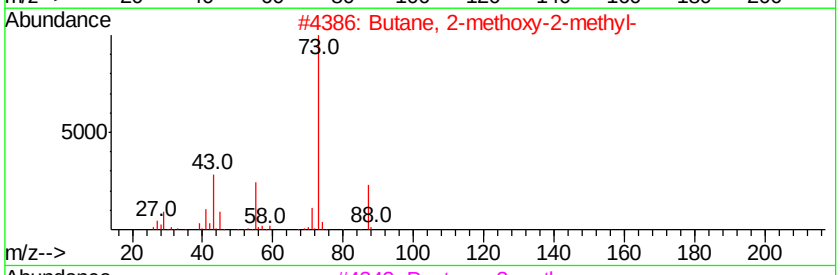
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

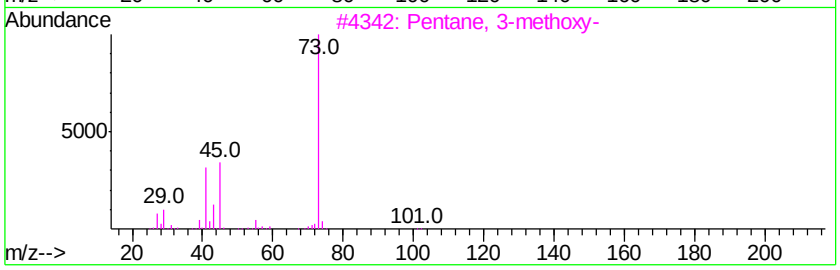
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	188.28 ng/ul	14083600	1,4-Dichlorobenzene-d4	7.82

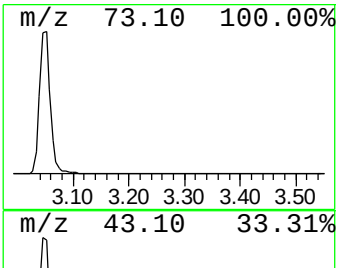
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9

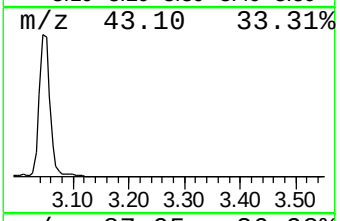


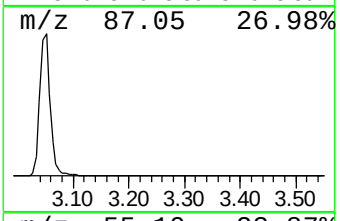


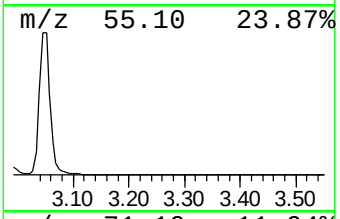


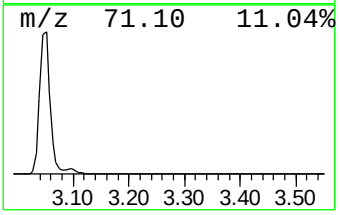












Library Search Compound Report

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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

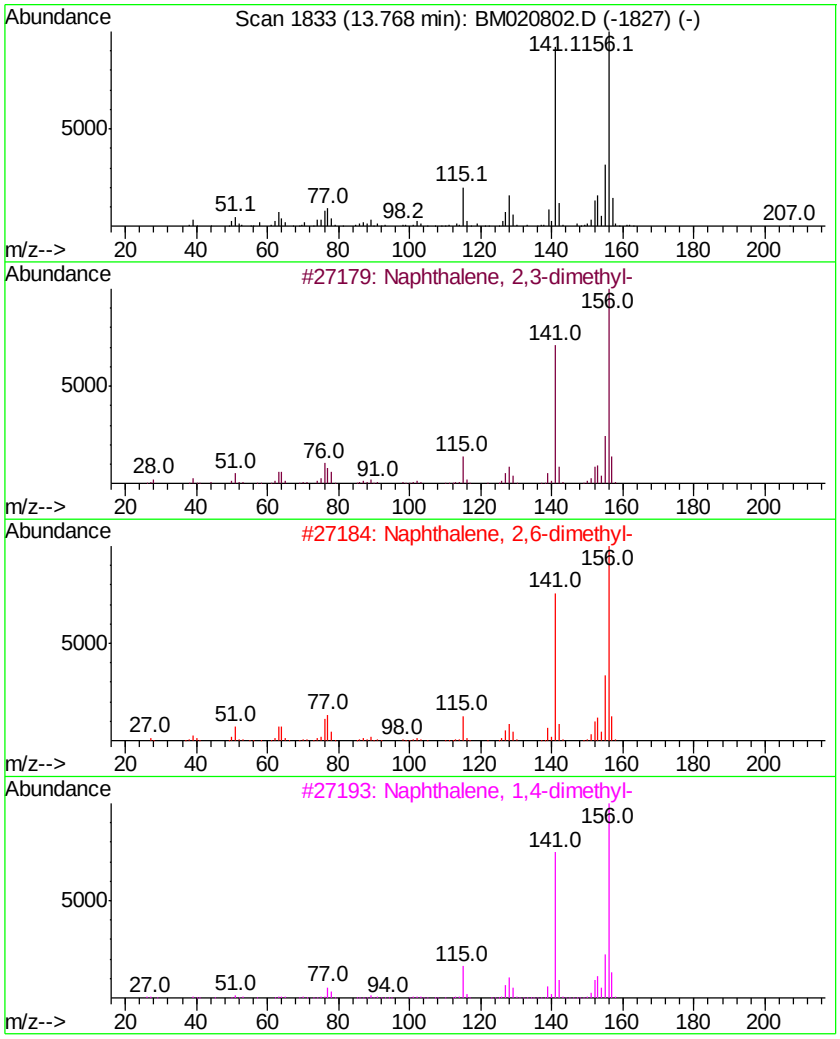
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

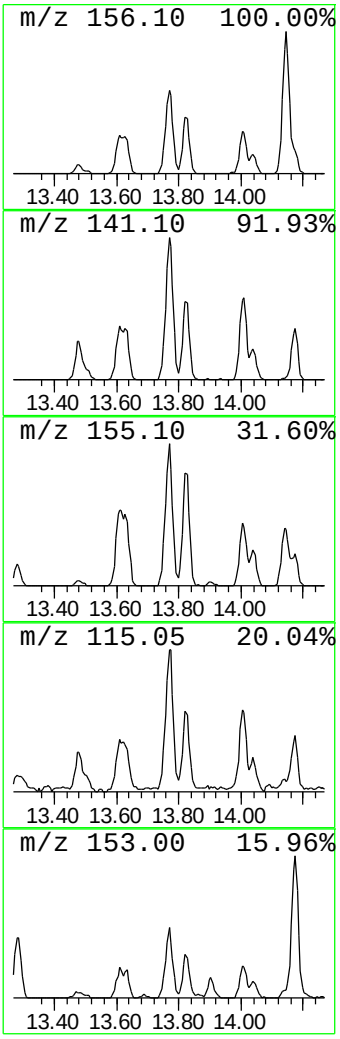
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	5.30 ng/ul	718227	Acenaphthene-d10	14.45

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, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Instrument : BNA_M
ClientSampleId : C0AD1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

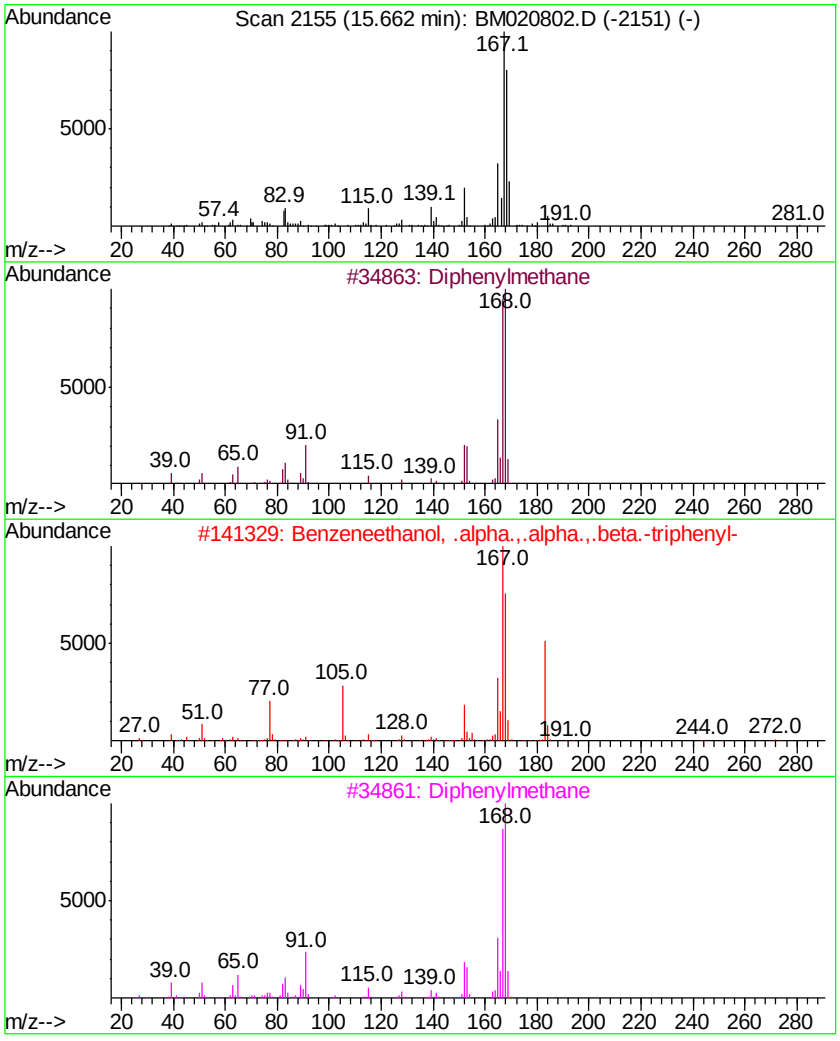
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

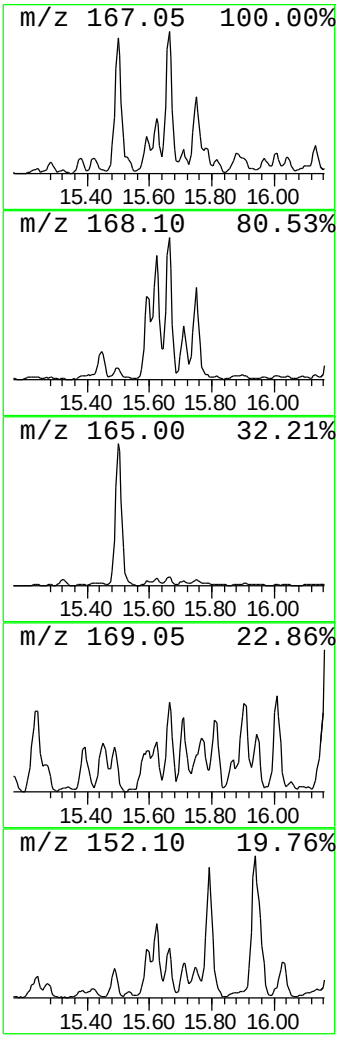
****

Peak Number 3 Diphenylmethane Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	4.28 ng/ul	579166	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	81
2	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	78
3	Diphenylmethane	168	C13H12	000101-81-5	72
4	Nordiphenamid	225	C15H15NO	000954-21-2	53
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	52





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Instrument : BNA_M
ClientSampleId : C0AD1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

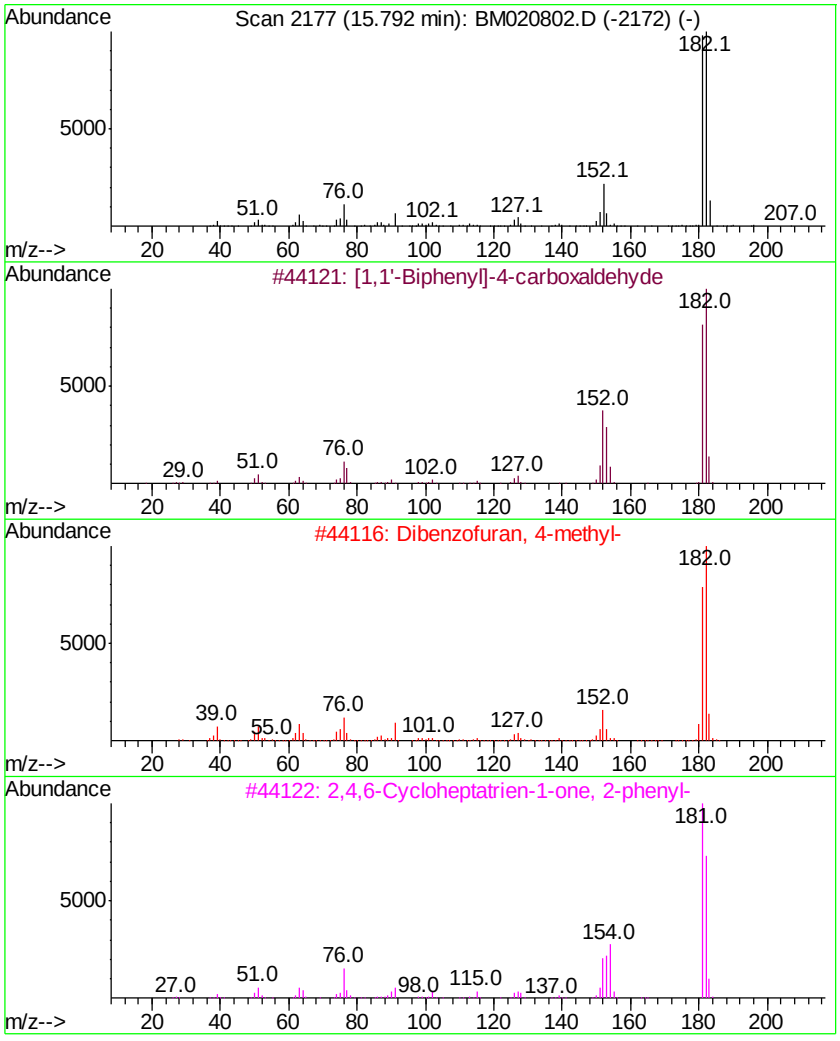
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

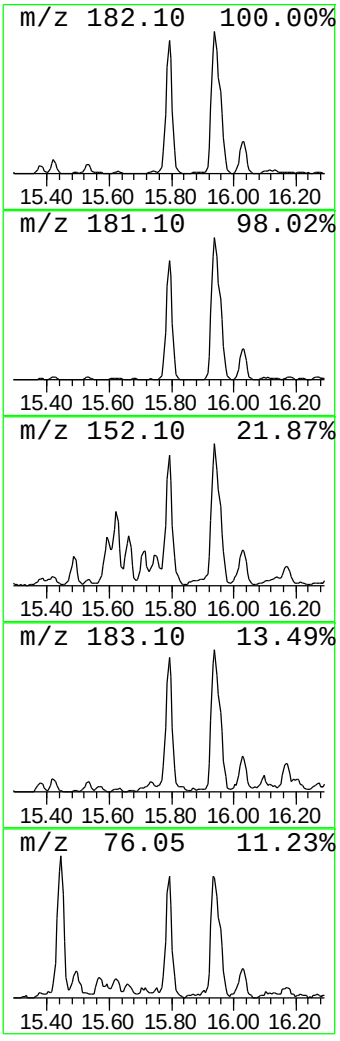
****

Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	9.38 ng/ul	1269630	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Acq On : 07 Jun 2019 14:01
Operator : HP/JU
Sample : K3201-20
Misc :
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Instrument : BNA_M
ClientSampleId : C0AD1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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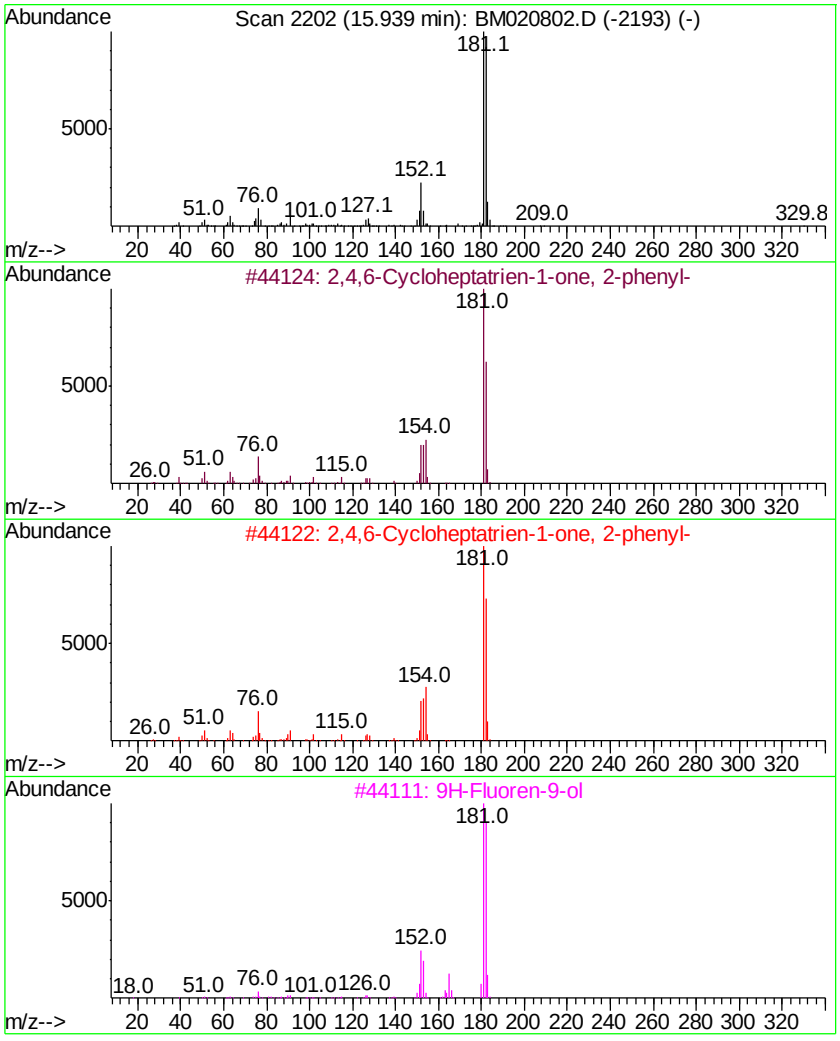
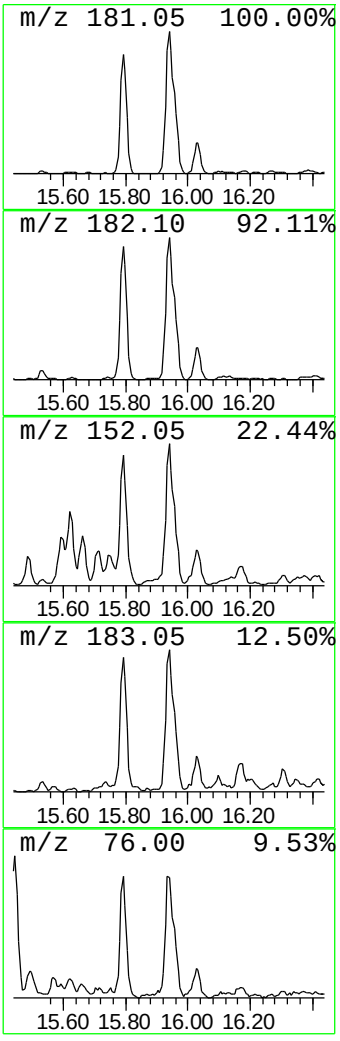
Peak Number 5 2,4,6-Cycloheptatrien-1-one... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	12.17 ng/ul	1779930	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : C0AD1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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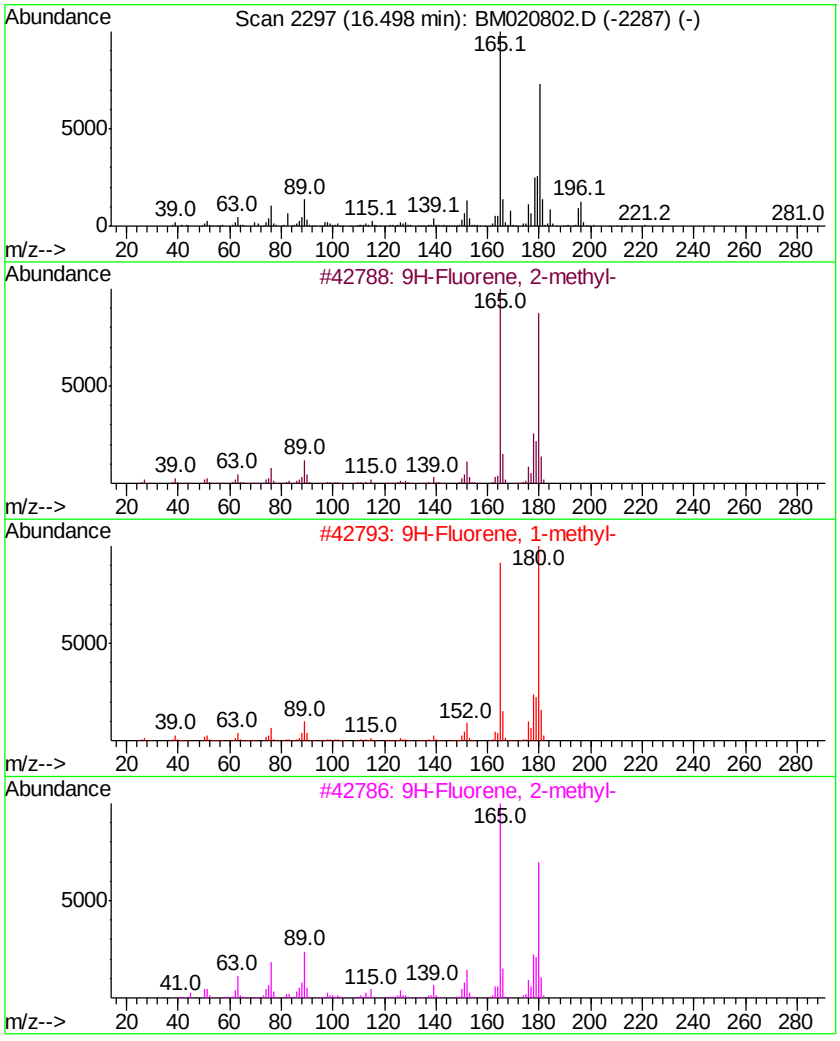
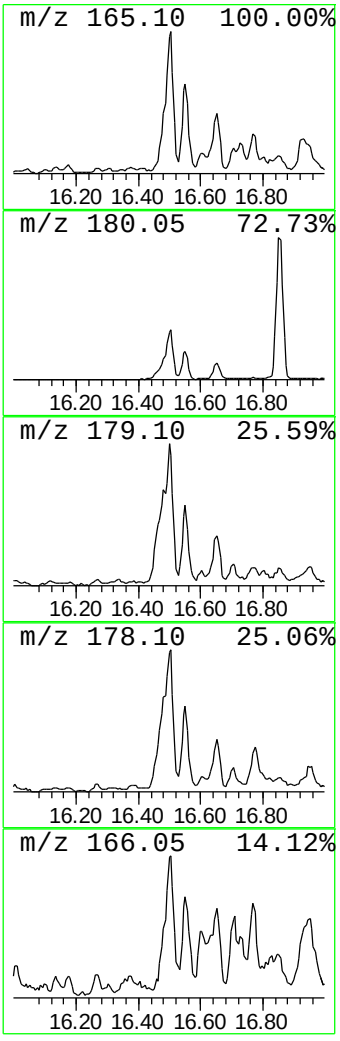
Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	10.35 ng/ul	1513770	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	92





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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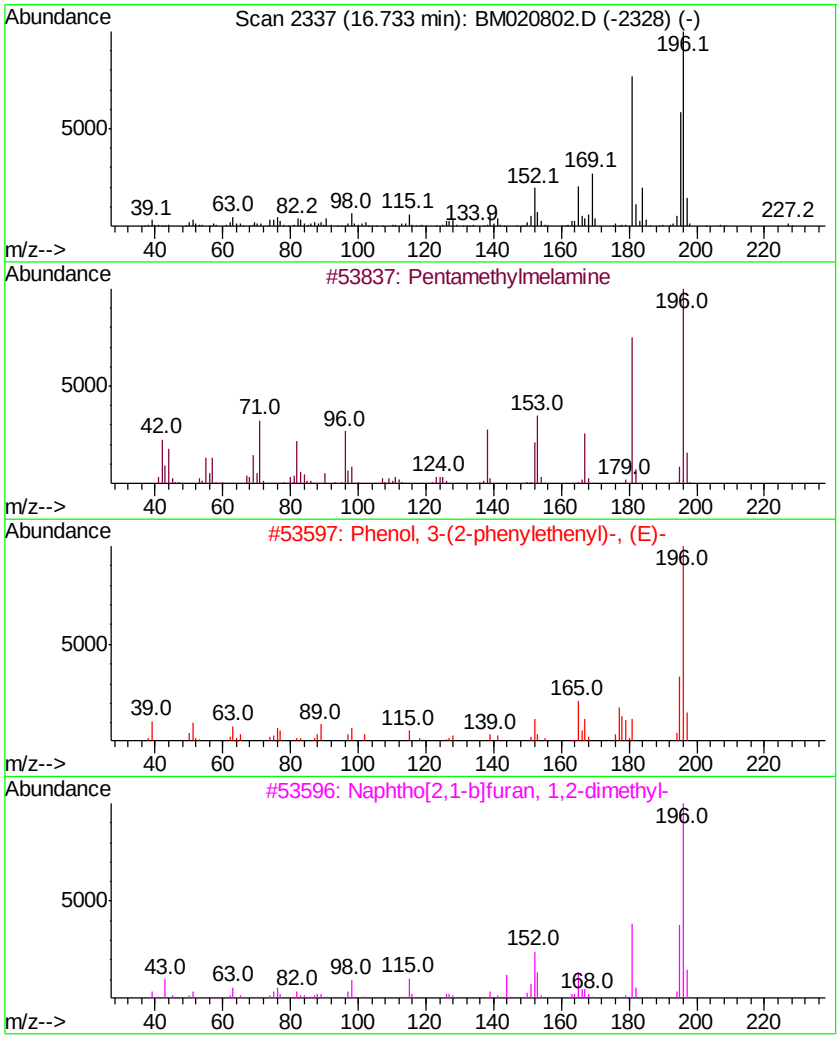
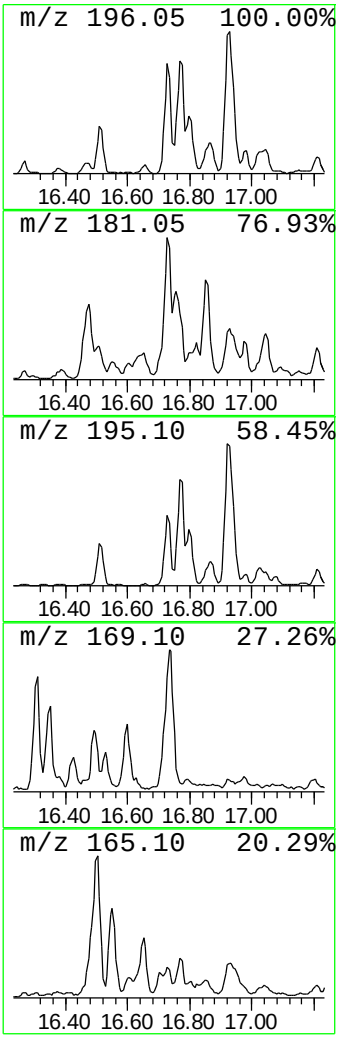
Peak Number 7 Pentamethylmelamine Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	7.43 ng/ul	1086580	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentamethylmelamine	196	C8H16N6	035832-09-8	52
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	52
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	46





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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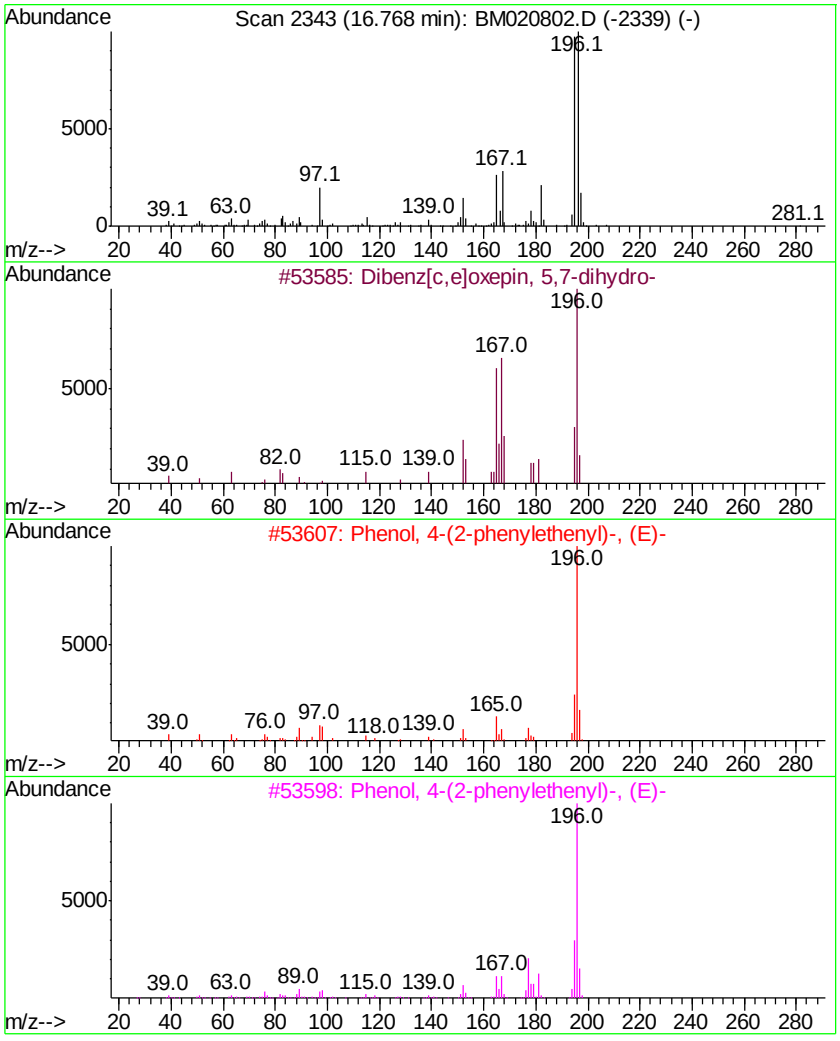
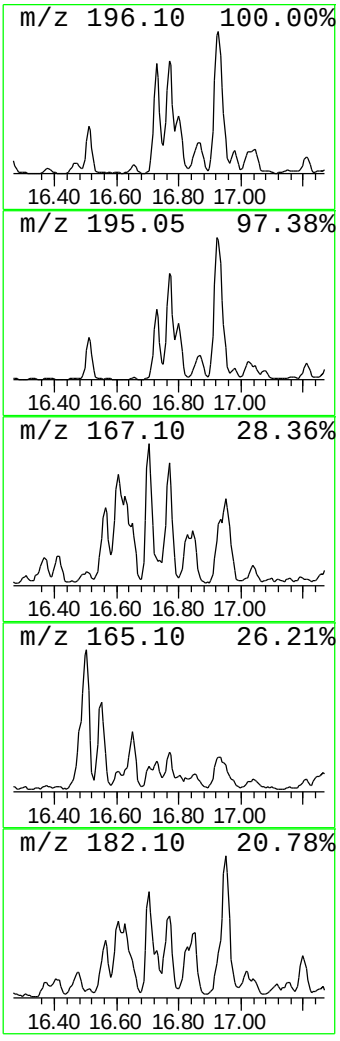
Peak Number 8 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	6.43 ng/ul	940883	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	55
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
5	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	47





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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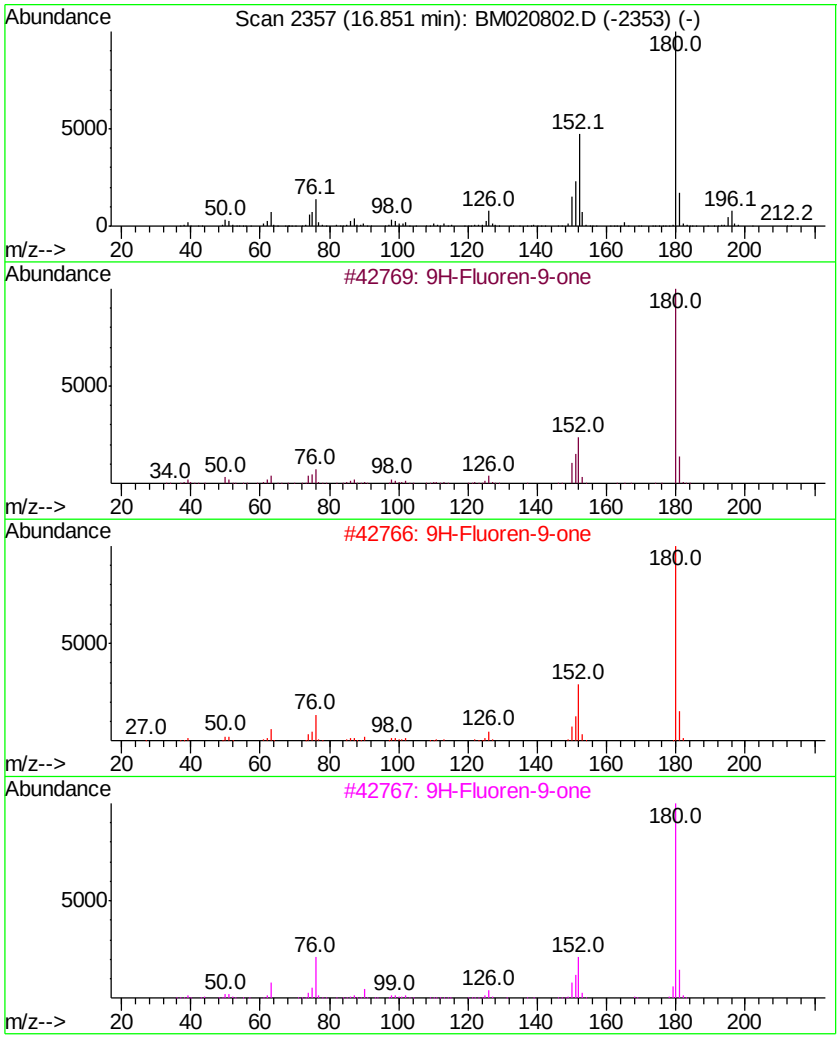
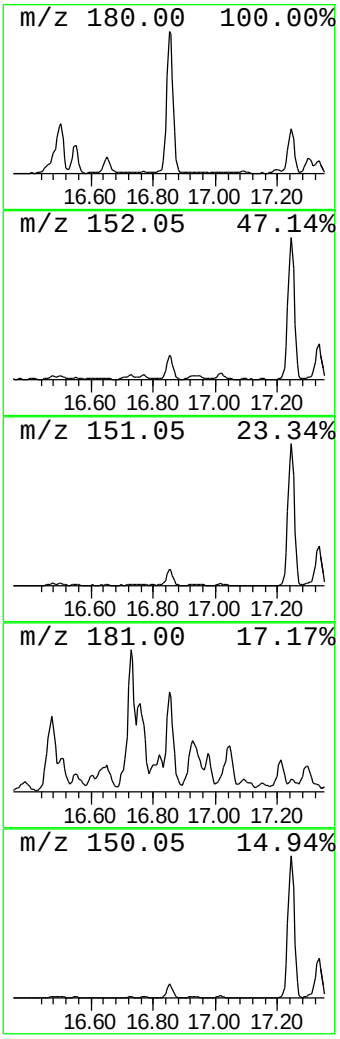
Peak Number 9 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	10.04 ng/ul	1468870	Phenanthrene-d10	17.20

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	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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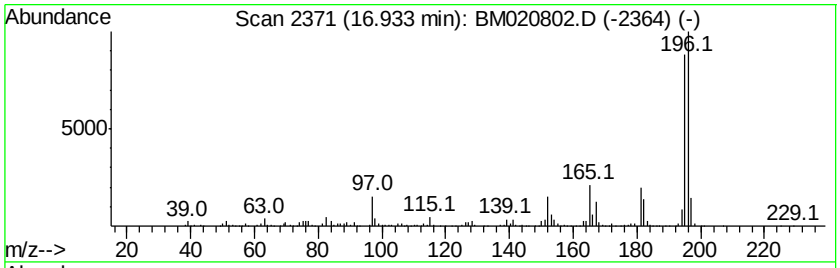
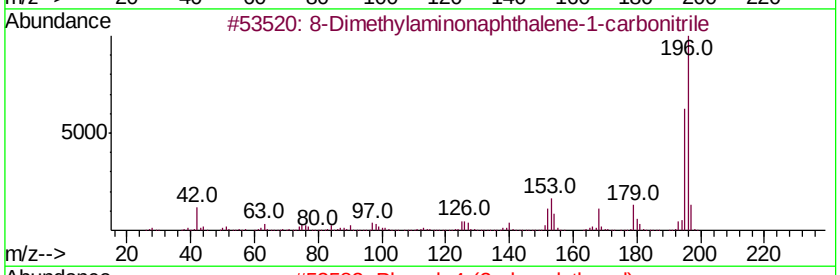
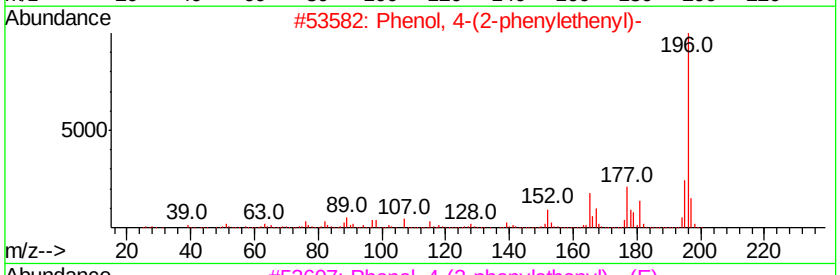
Peak Number 10 8-Dimethylaminonaphthalene-... Concentration Rank 16

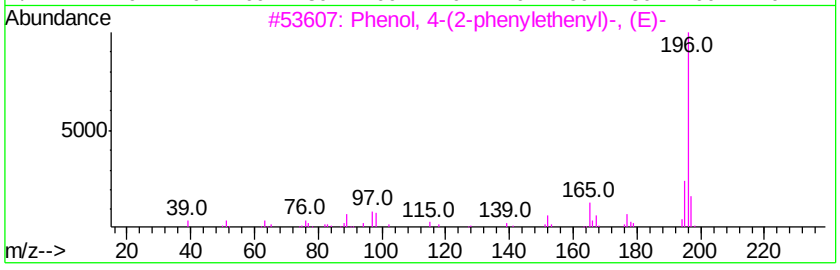
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	10.92 ng/ul	1597740	Phenanthrene-d10	17.20

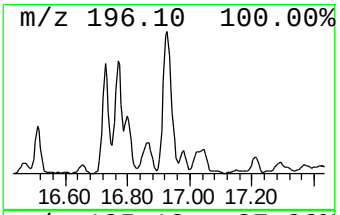
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50

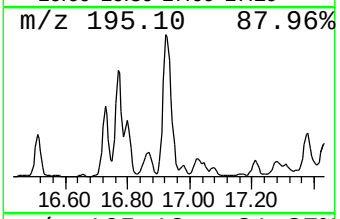


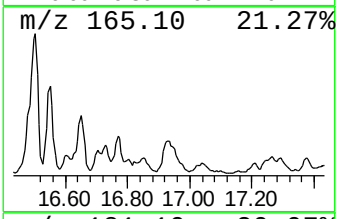


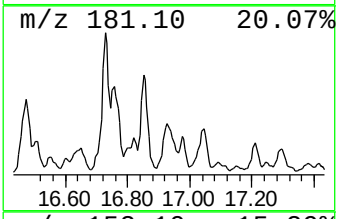


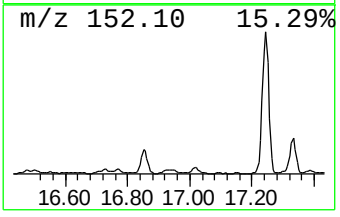












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Sample : K3201-20
Misc :
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Instrument : BNA_M
ClientSampleId : C0AD1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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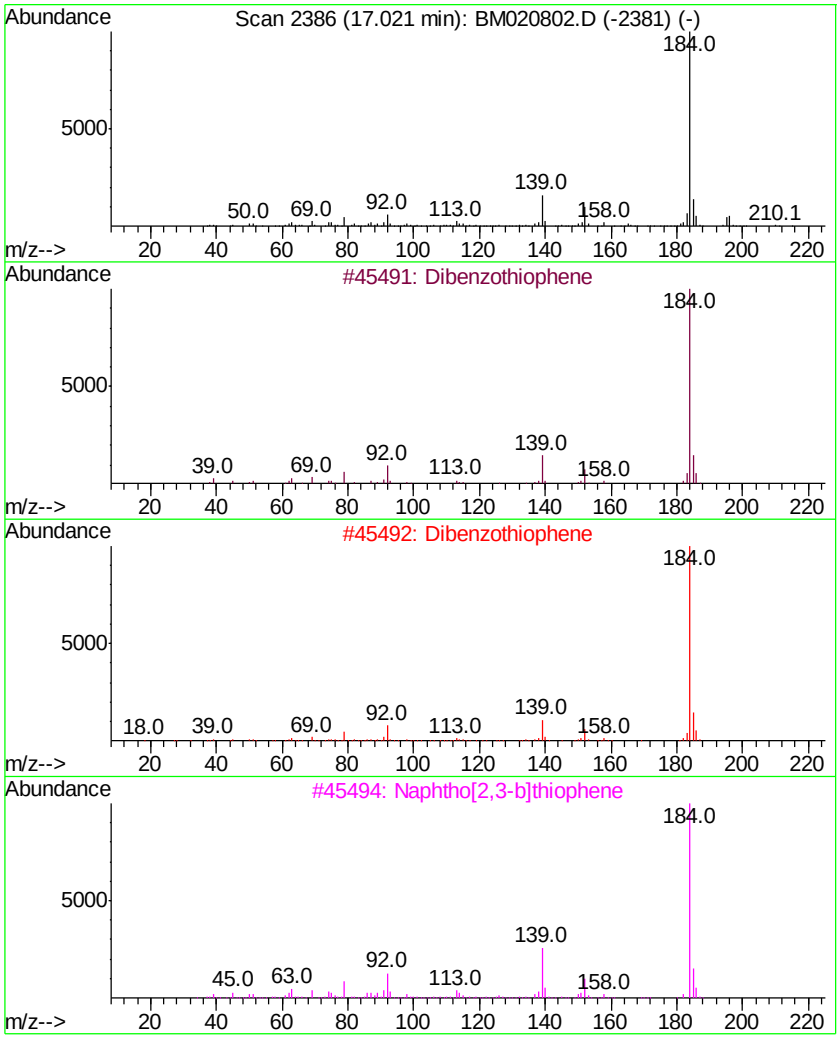
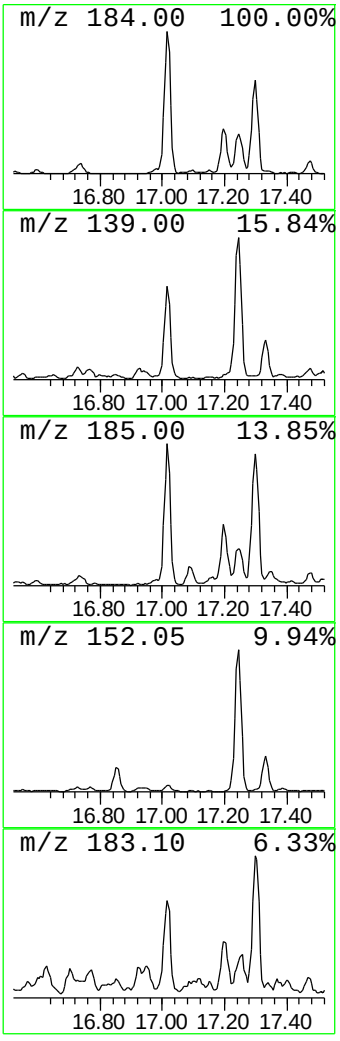
Peak Number 11 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	9.01 ng/ul	1317350	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Misc :
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ClientSampleId : C0AD1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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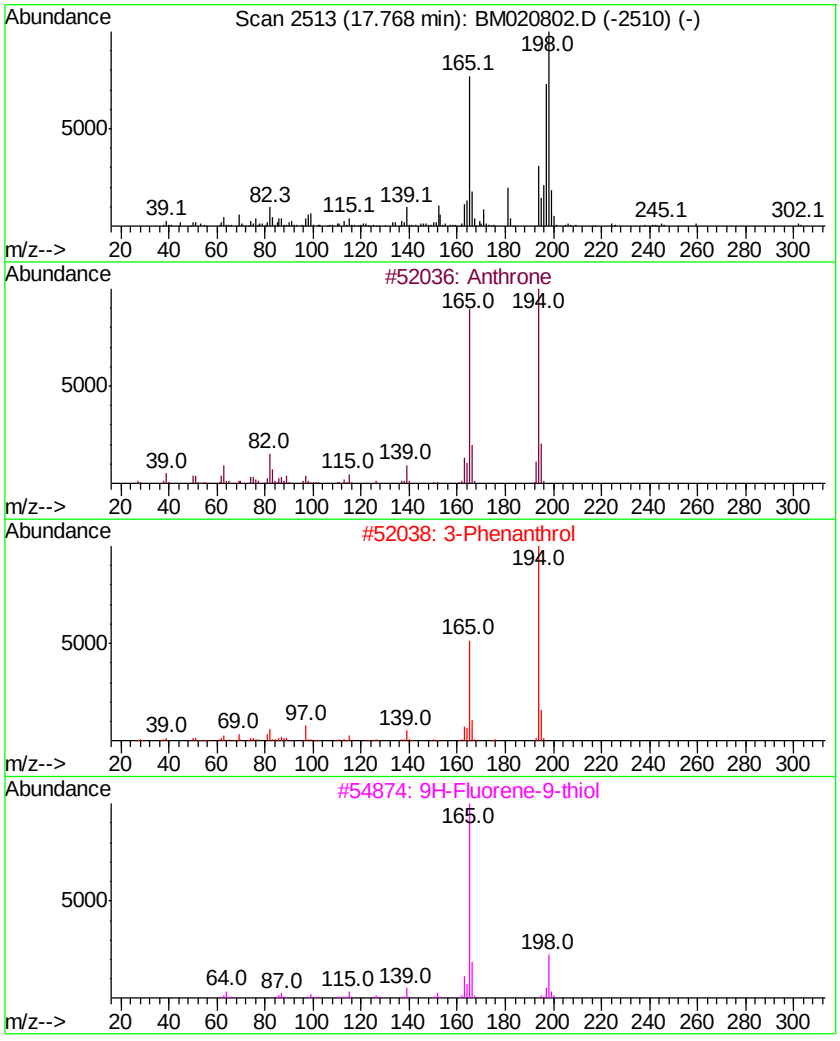
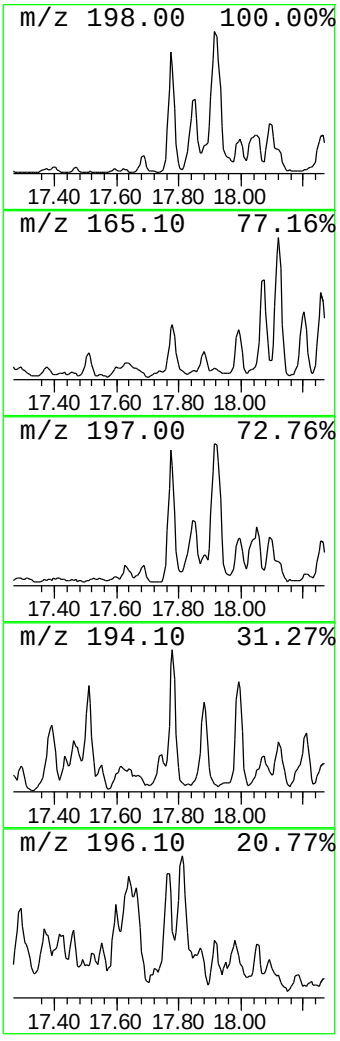
Peak Number 12 Anthrone Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	4.93 ng/ul	721734	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	70
2	3-Phenanthrol	194	C14H10O	000605-87-8	70
3	9H-Fluorene-9-thiol	198	C13H10S	019552-08-0	64
4	Anthrone	194	C14H10O	000090-44-8	55
5	Anthrone	194	C14H10O	000090-44-8	55





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Misc :
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Instrument : BNA_M
ClientSampleId : C0AD1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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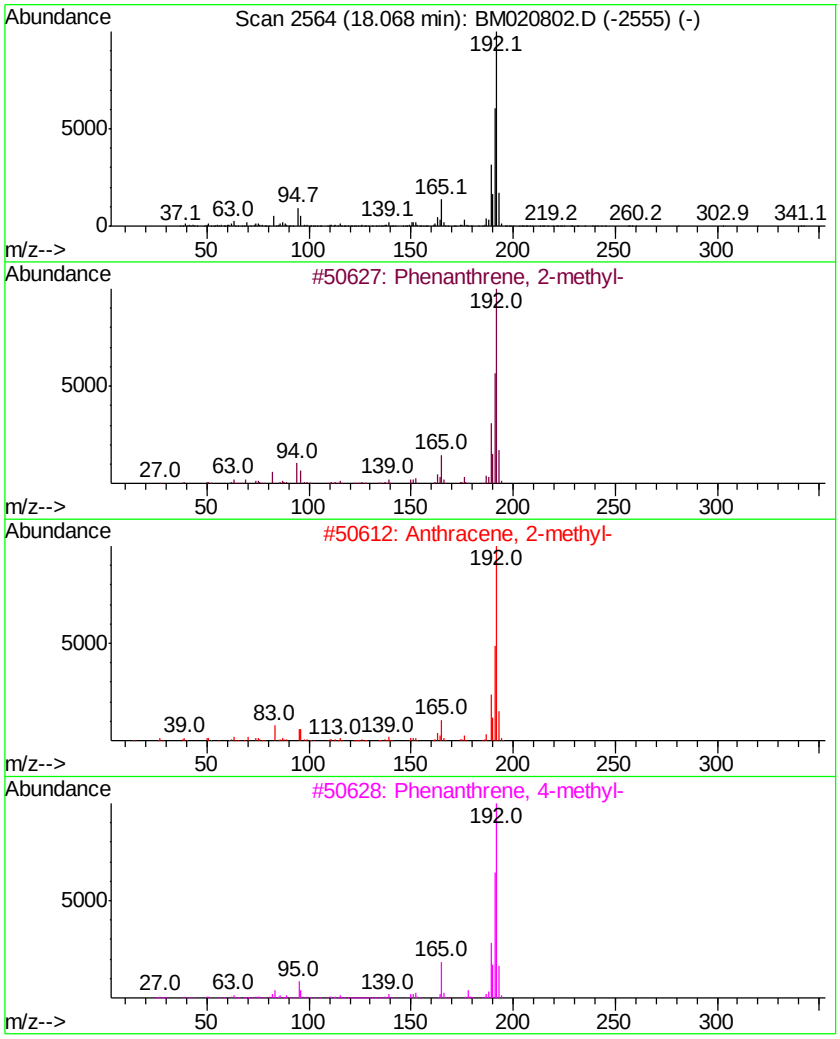
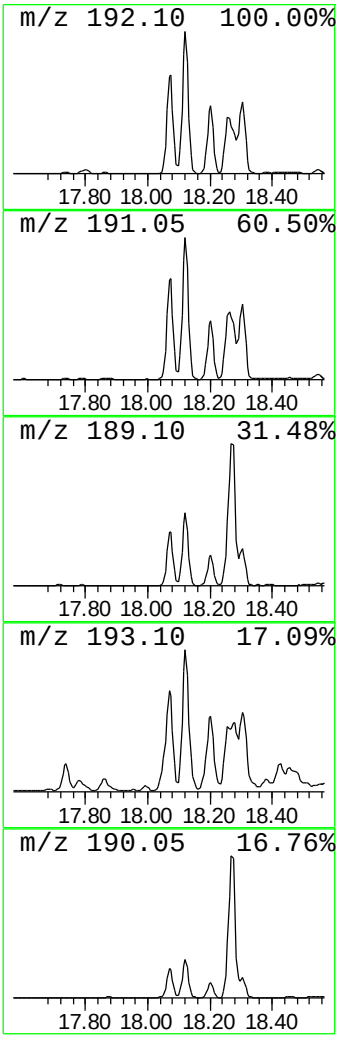
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	40.65 ng/ul	5945520	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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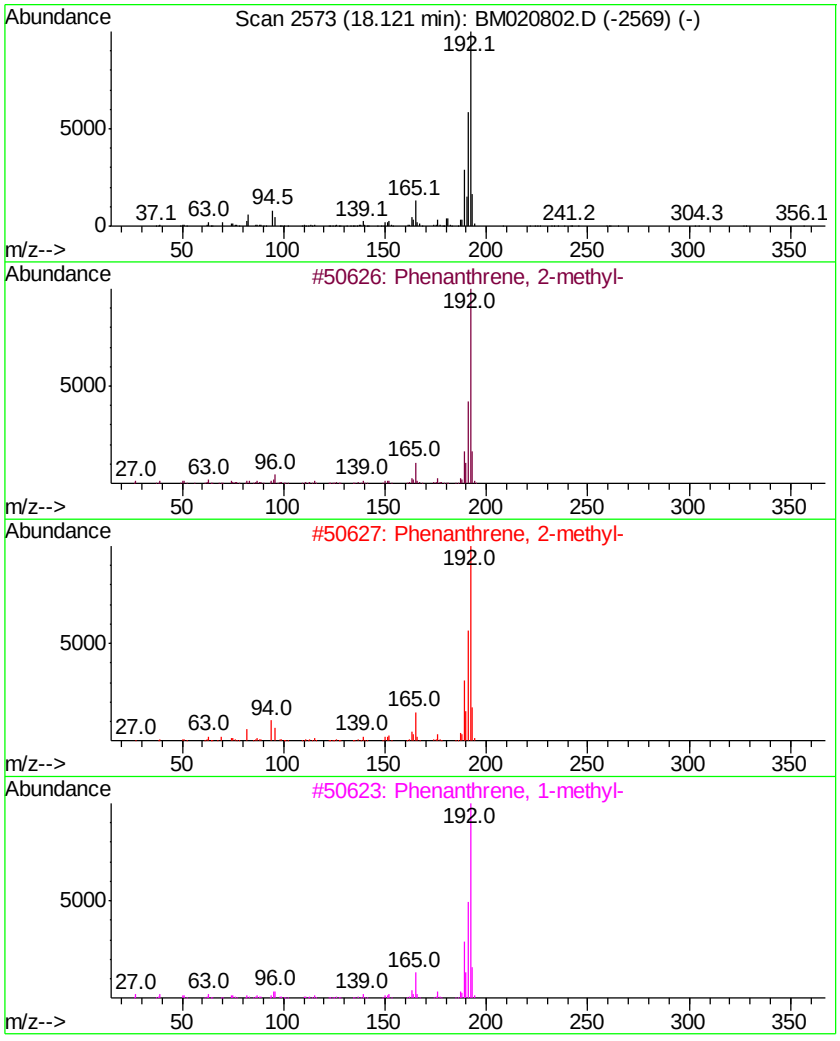
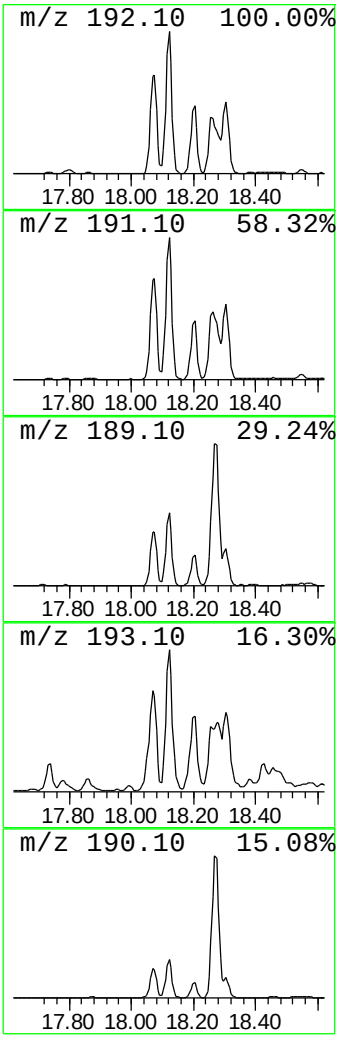
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	40.56 ng/ul	5932720	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Misc :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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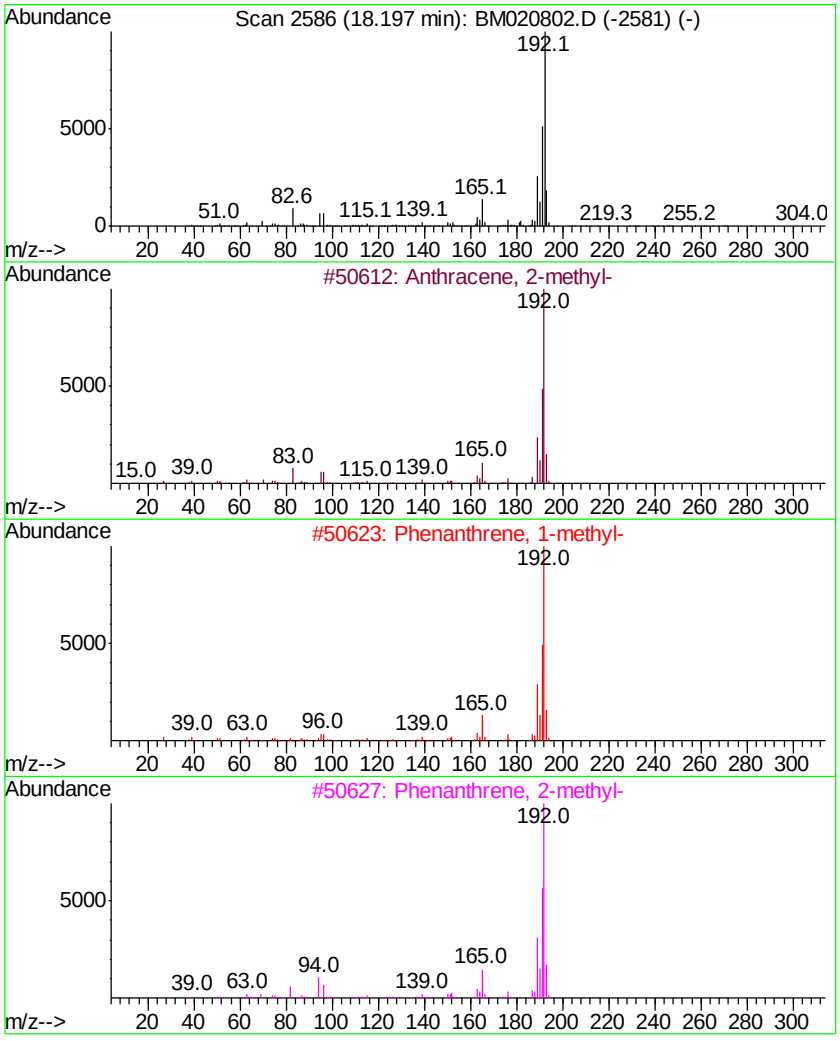
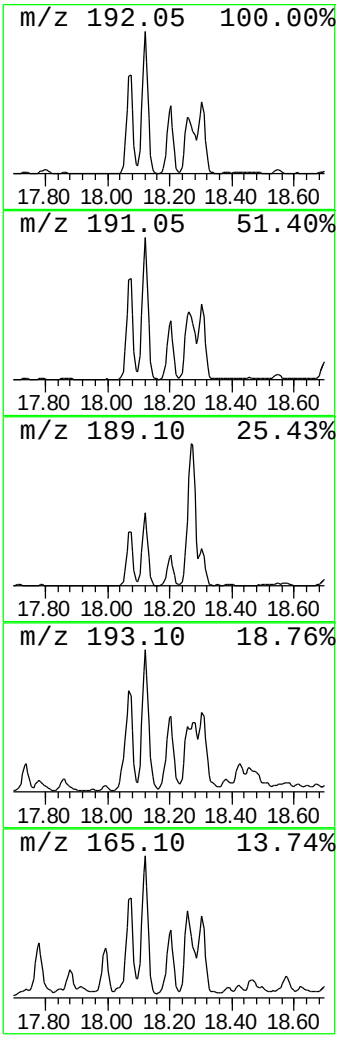
Peak Number 15 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	17.95 ng/ul	2625070	Phenanthrene-d10	17.20

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





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Instrument : BNA_M
ClientSampleId : C0AD1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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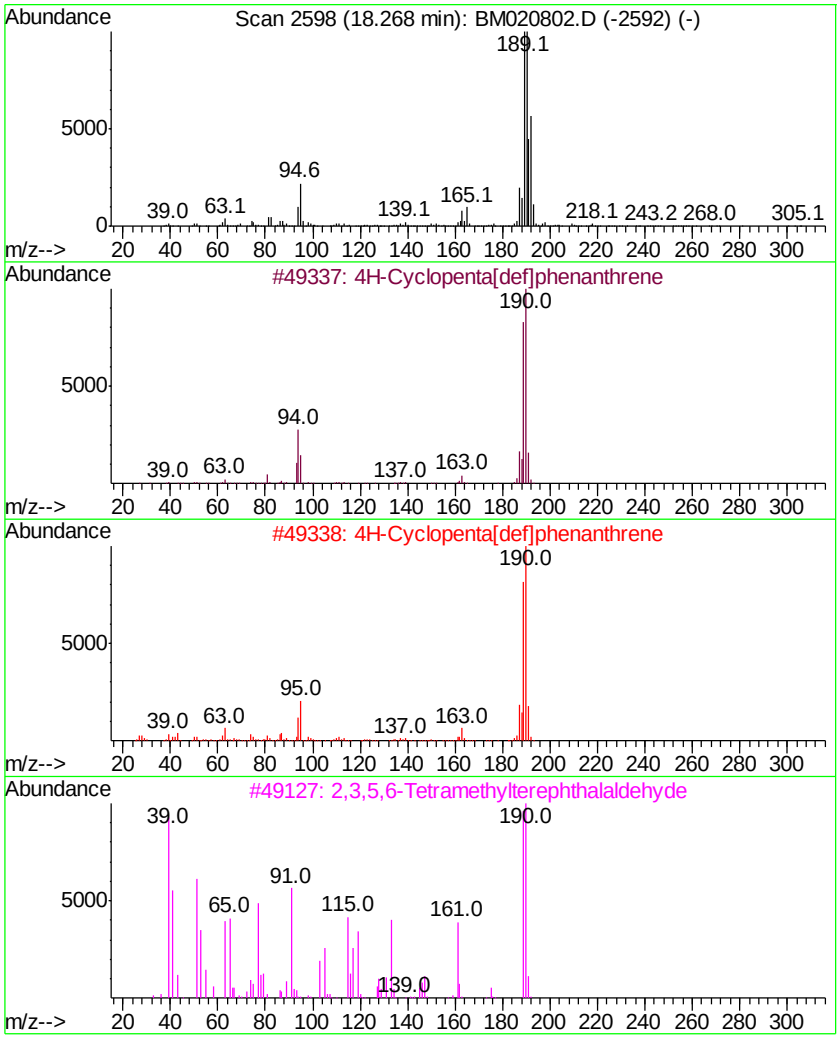
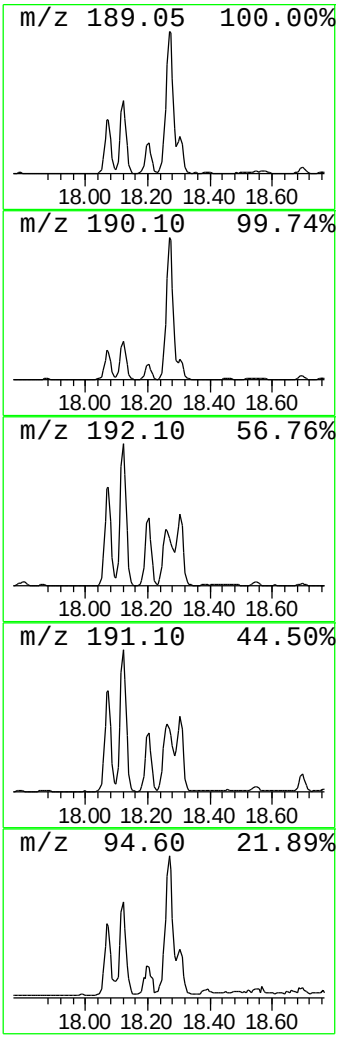
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	45.70 ng/ul	6684200	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35





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ClientSampleId : C0AD1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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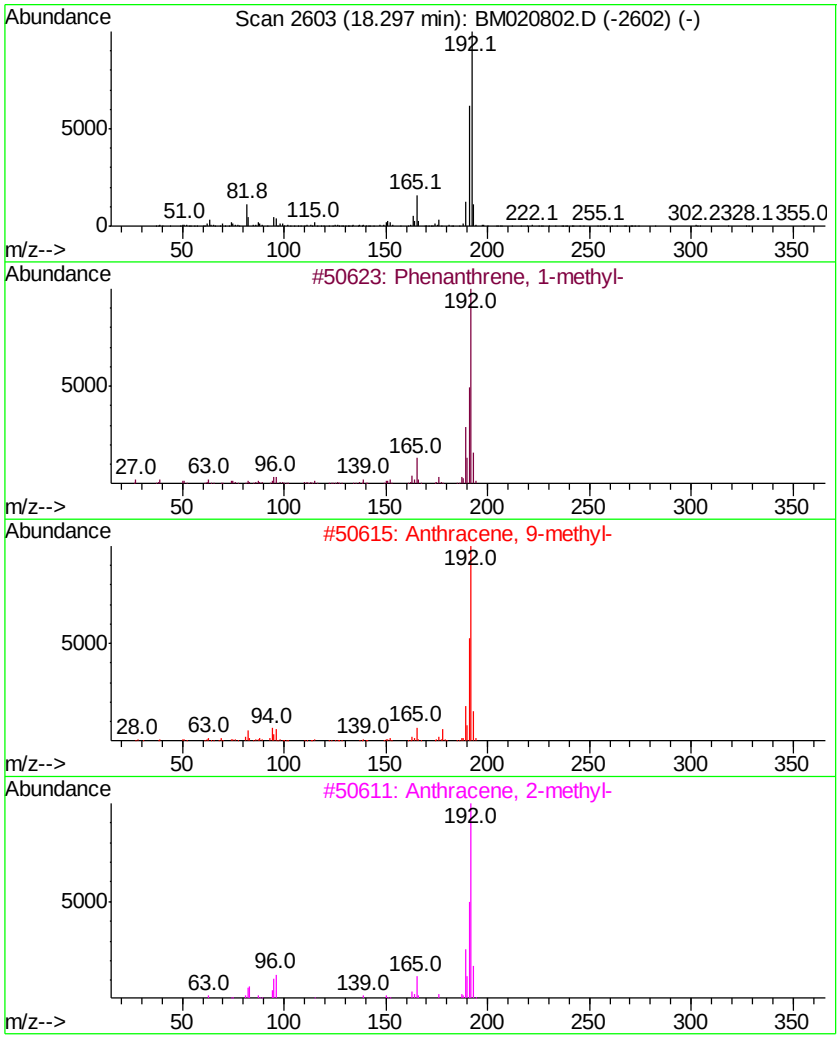
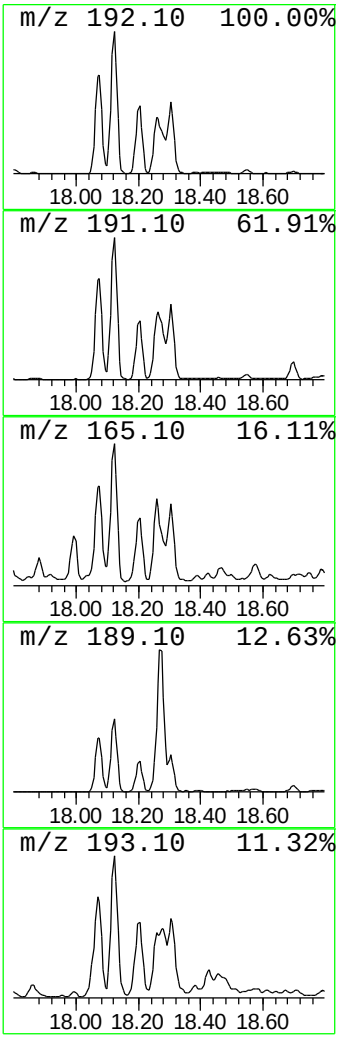
Peak Number 17 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	15.69 ng/ul	2294330	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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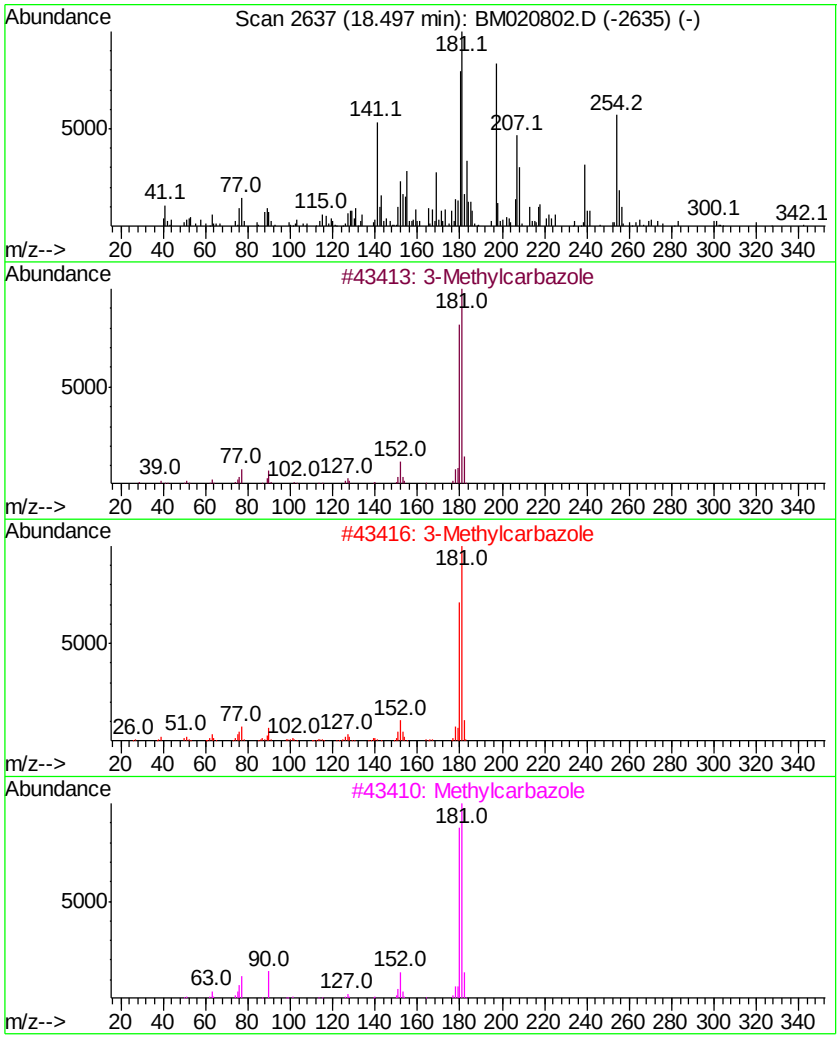
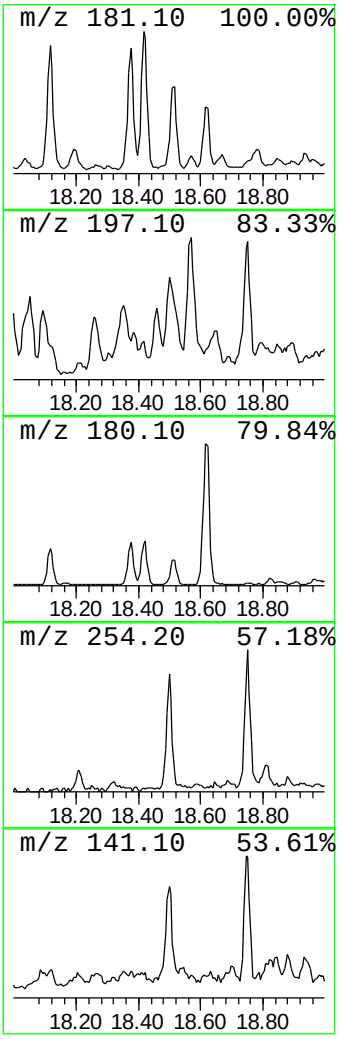
Peak Number 18 3-Methylcarbazole Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	4.24 ng/ul	620845	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	87
2	3-Methylcarbazole	181	C13H11N	004630-20-0	87
3	Methylcarbazole	181	C13H11N	027323-29-1	70
4	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	70
5	4-Methylcarbazole	181	C13H11N	003770-48-7	70





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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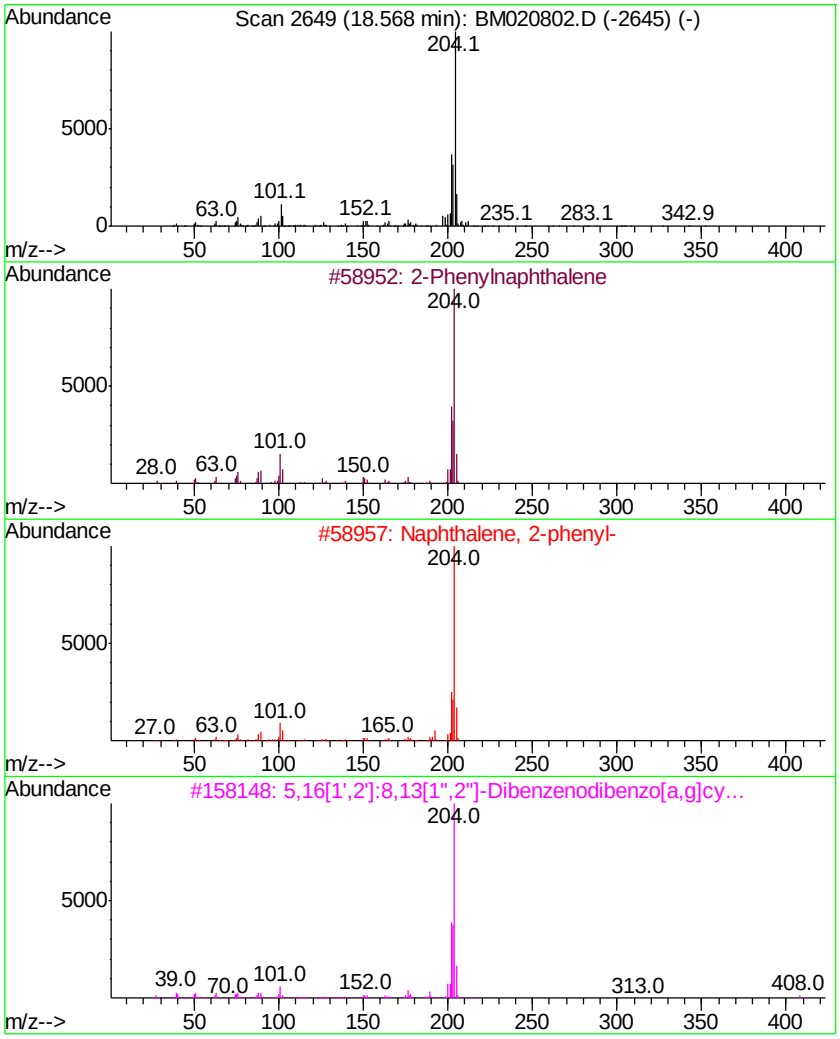
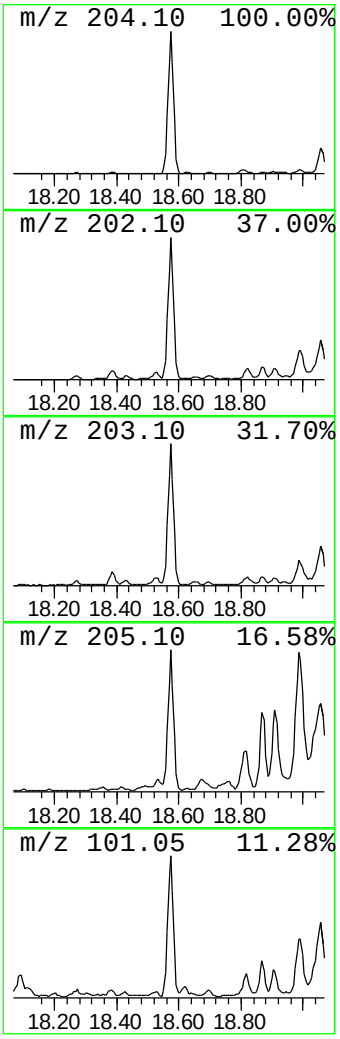
Peak Number 19 2-Phenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	17.43 ng/ul	2549160	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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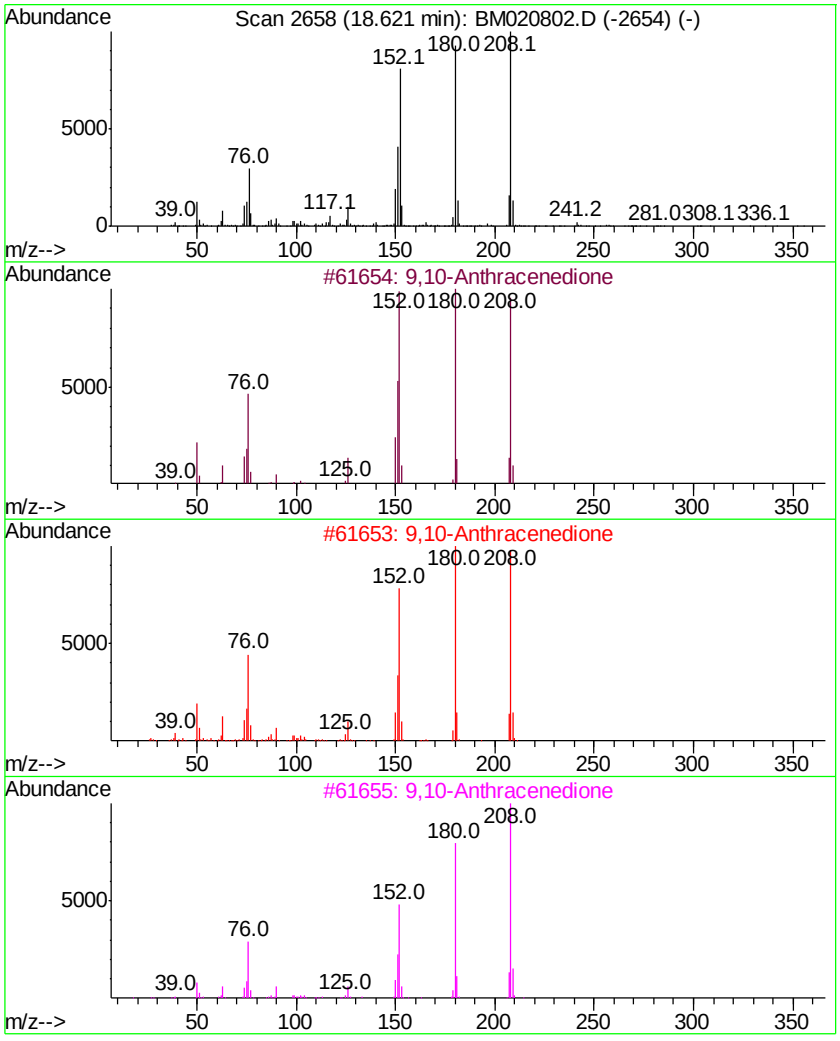
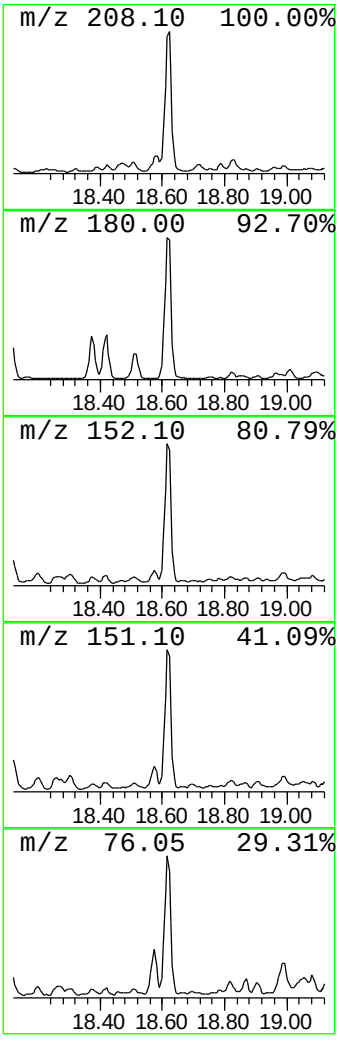
Peak Number 20 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	13.49 ng/ul	1972590	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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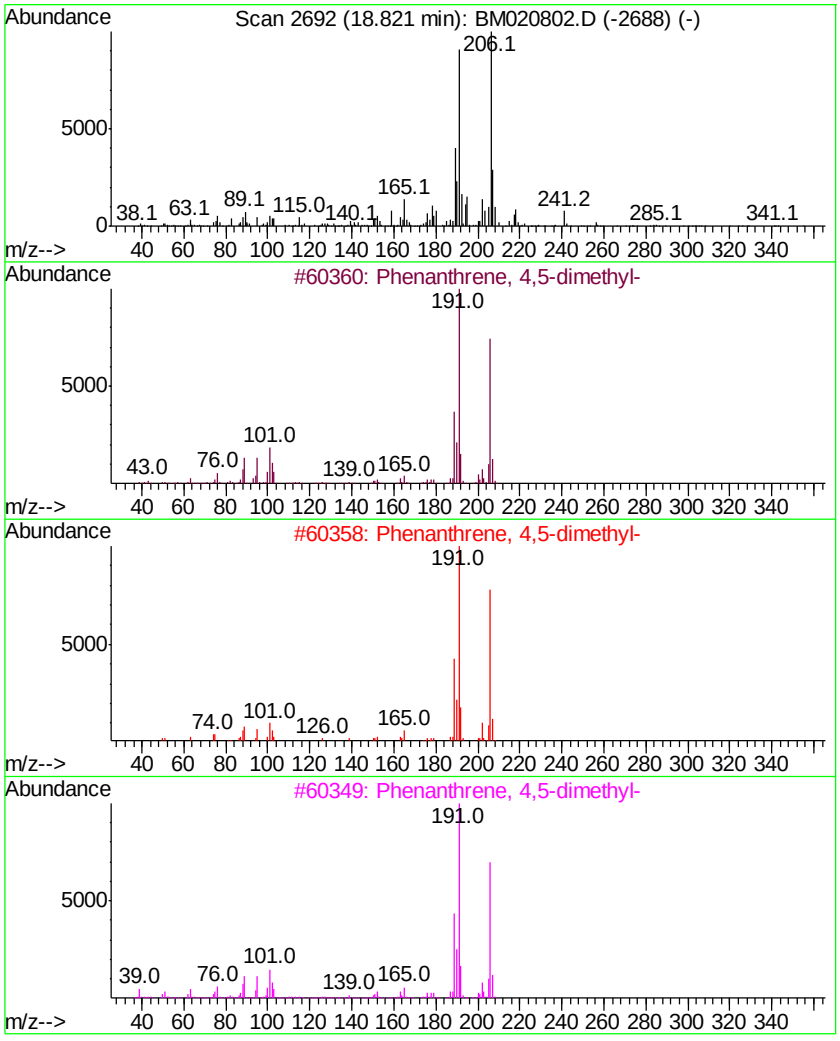
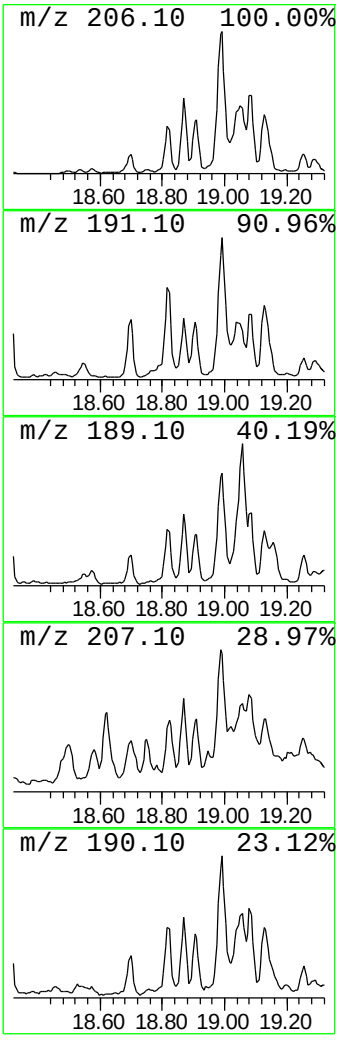
Peak Number 21 Phenanthrene, 4,5-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	7.84 ng/ul	1147480	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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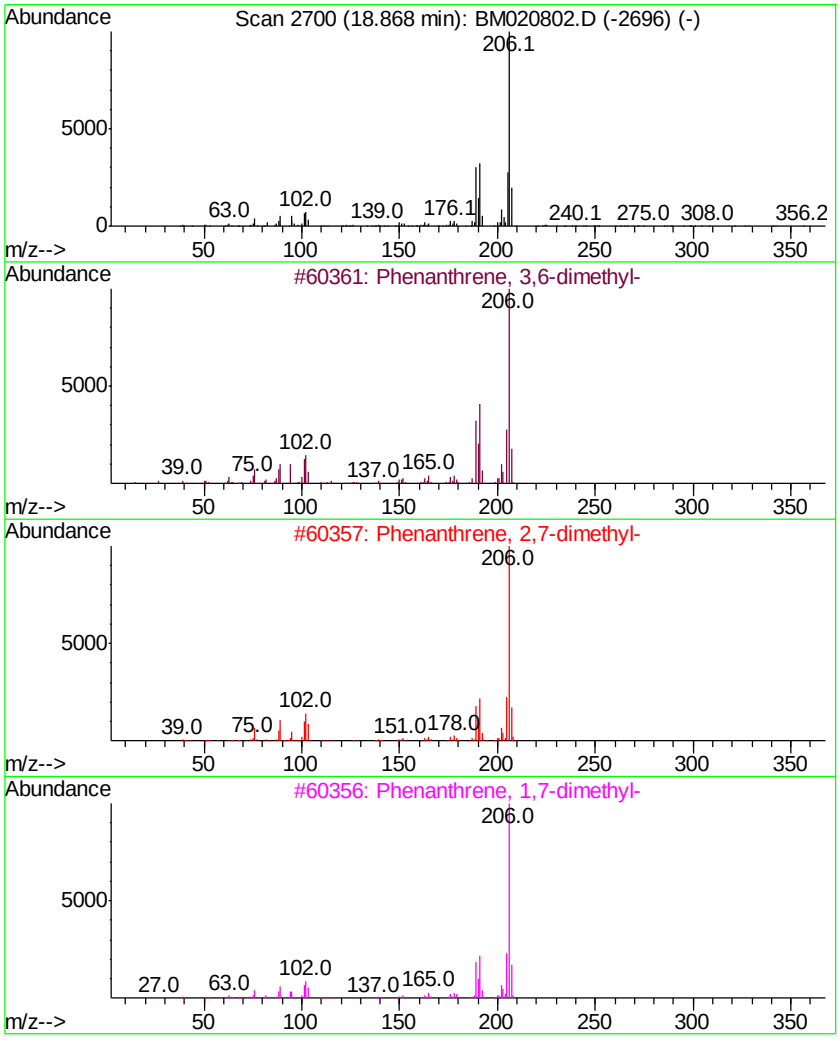
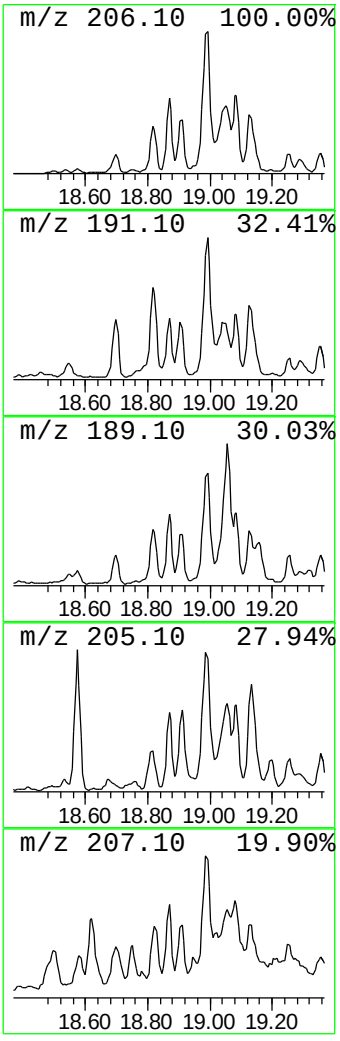
Peak Number 22 Phenanthrene, 3,6-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	5.60 ng/ul	819434	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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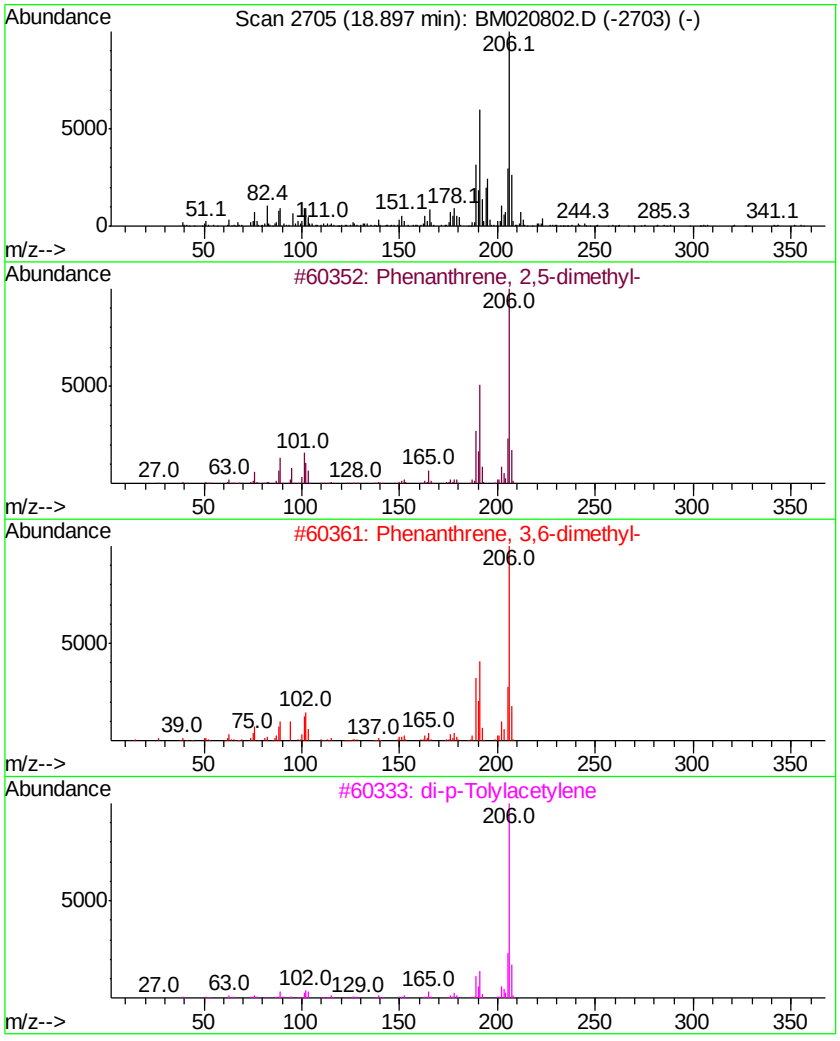
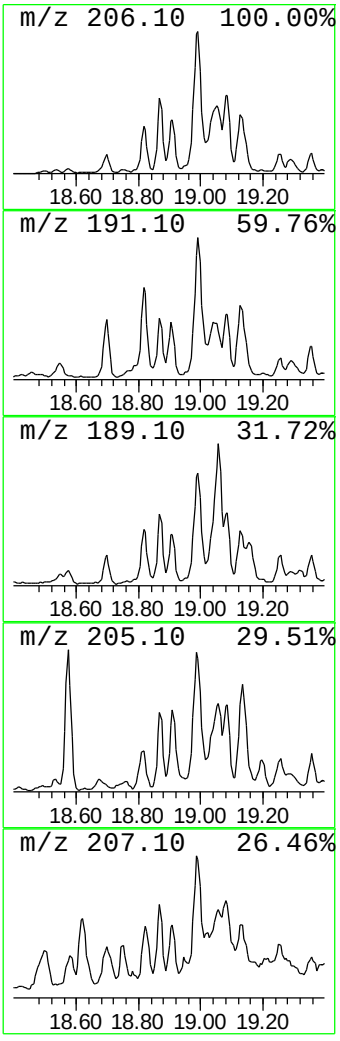
Peak Number 23 Phenanthrene, 2,5-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	5.20 ng/ul	760001	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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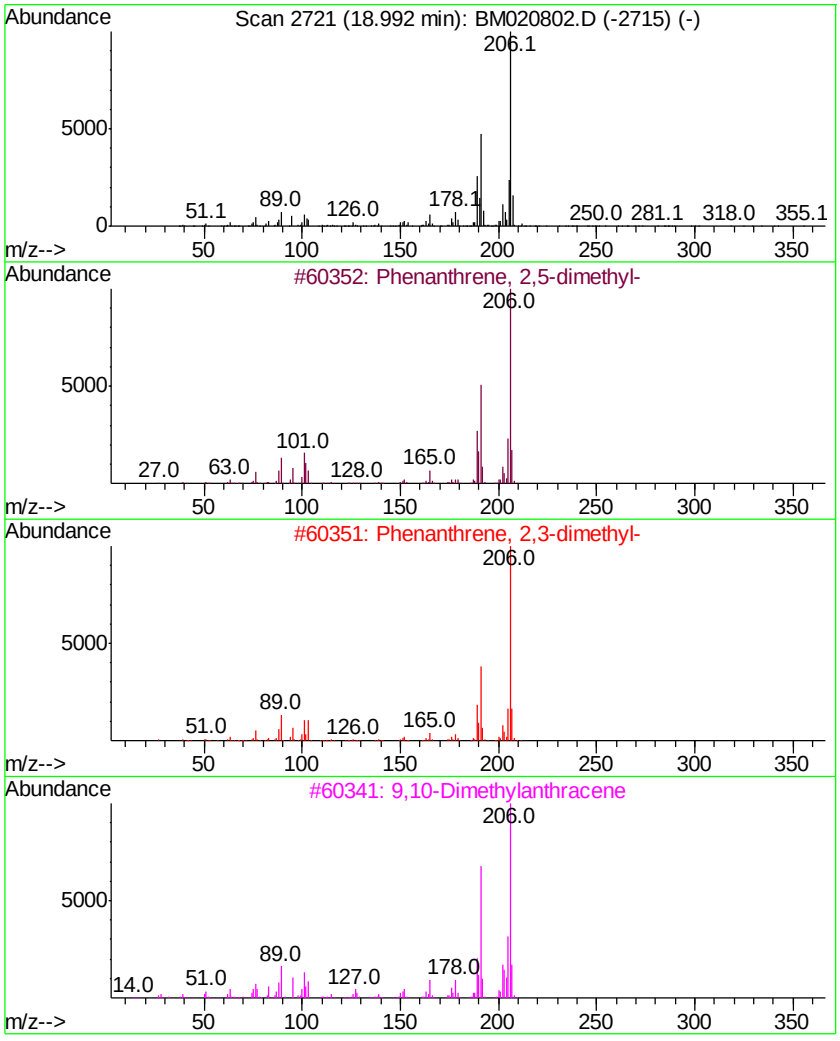
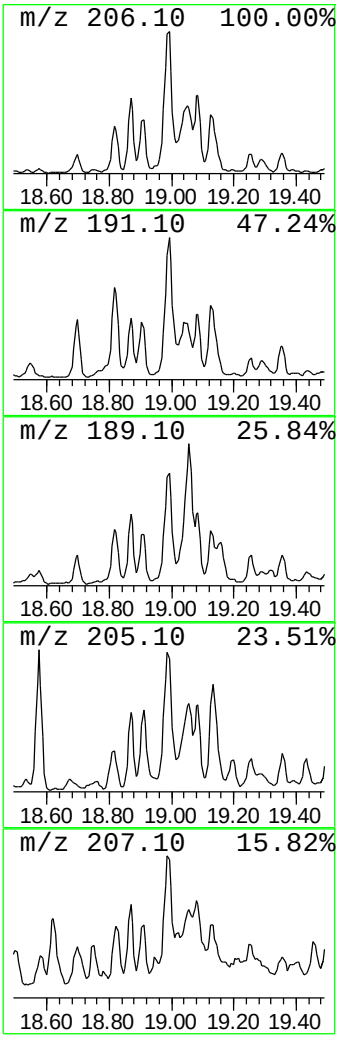
Peak Number 24 Phenanthrene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	21.99 ng/ul	3217280	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





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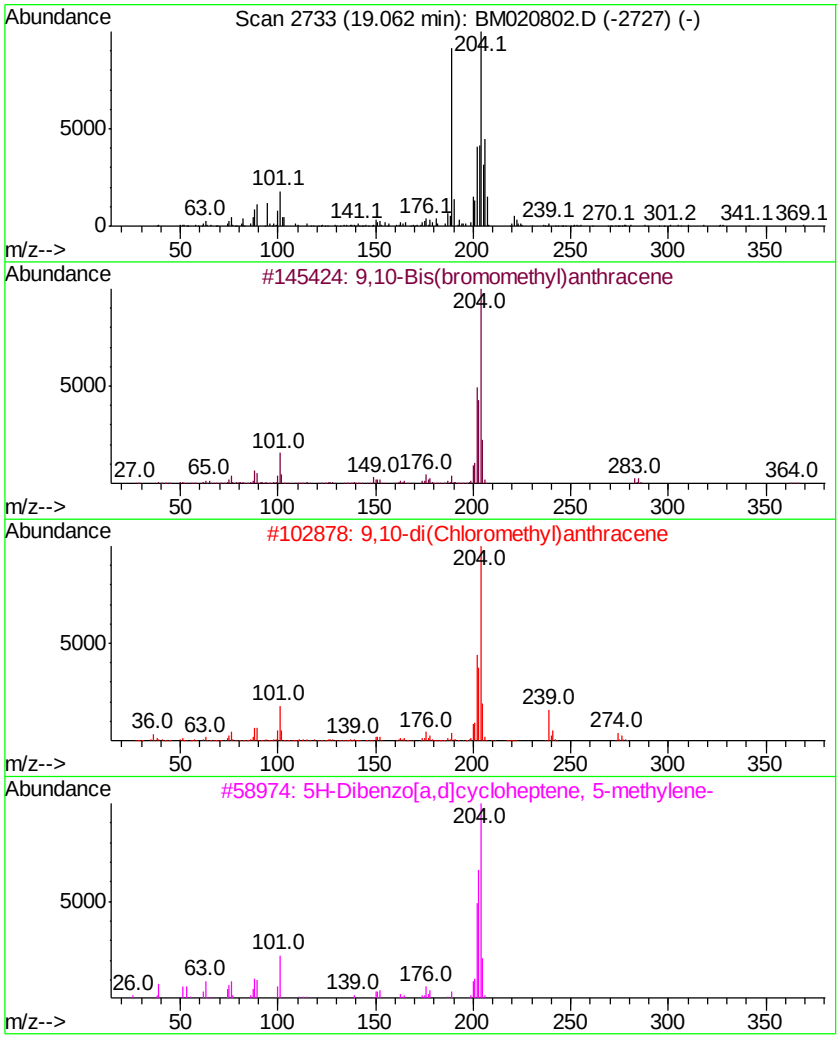
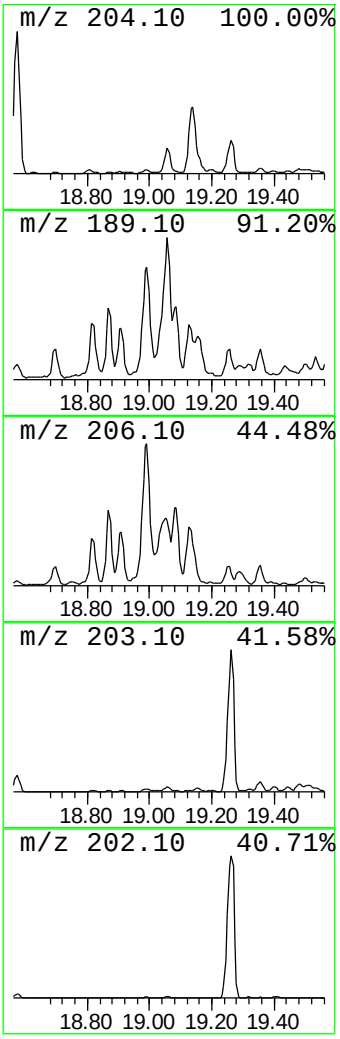
Peak Number 25 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	12.62 ng/ul	1845510	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	49
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	46
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	30





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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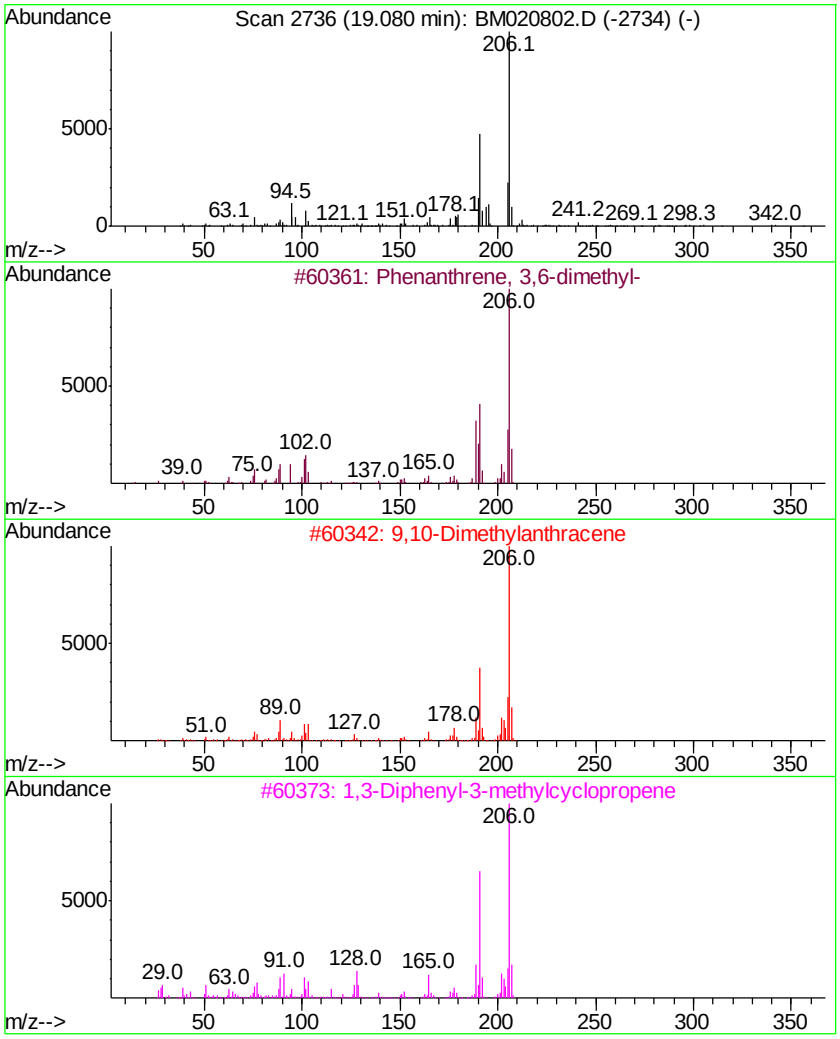
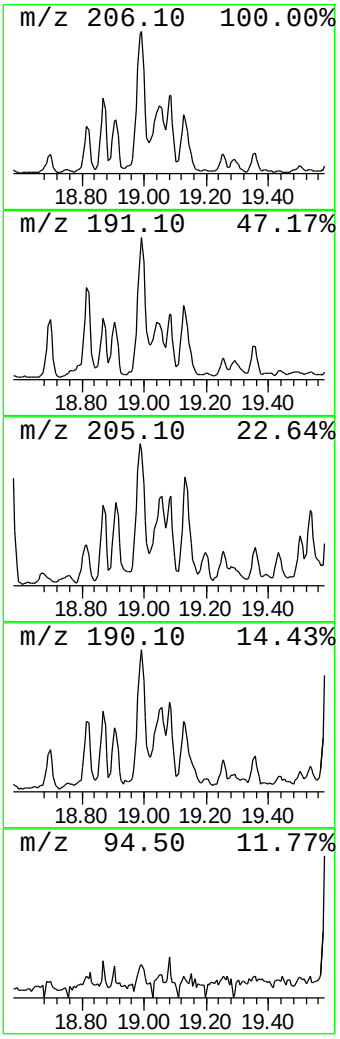
Peak Number 26 1,3-Diphenyl-3-methylcyclop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	8.12 ng/ul	1187600	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	59
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	59
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	59
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	59
5	2H-1-Benzopyran-2-one, 6,7-dimet...	206	C11H10O4	000120-08-1	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020802.D
Acq On : 07 Jun 2019 14:01
Operator : HP/JU
Sample : K3201-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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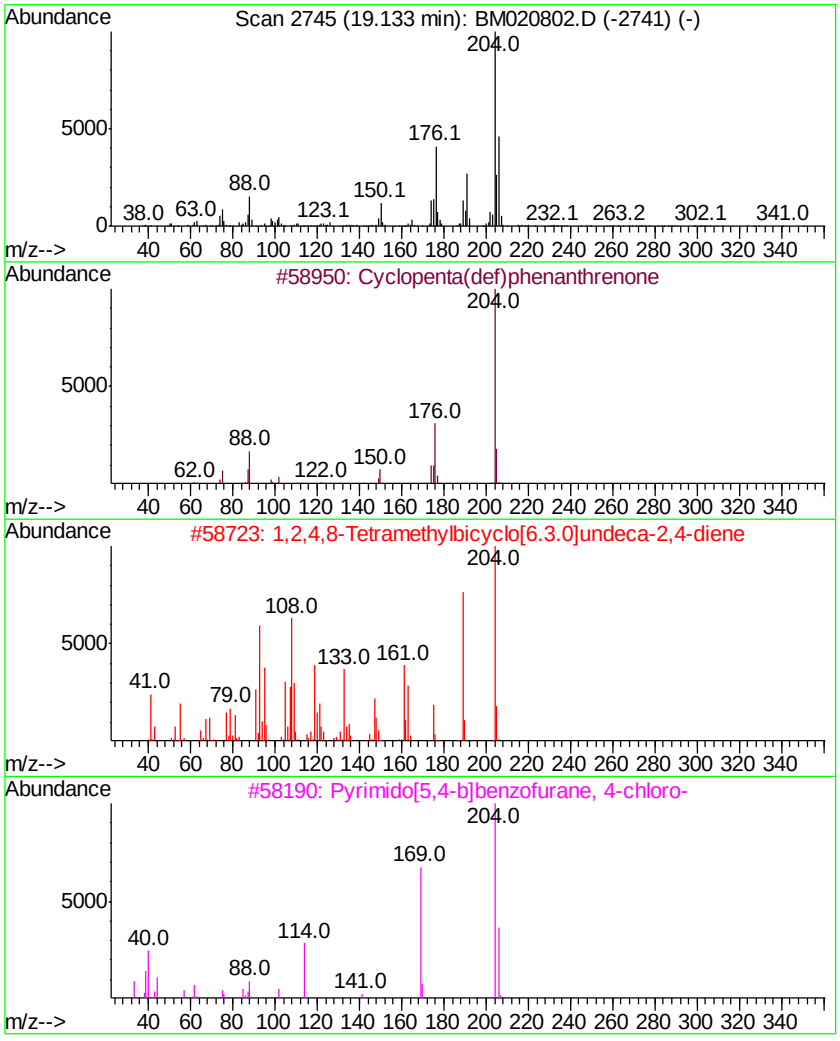
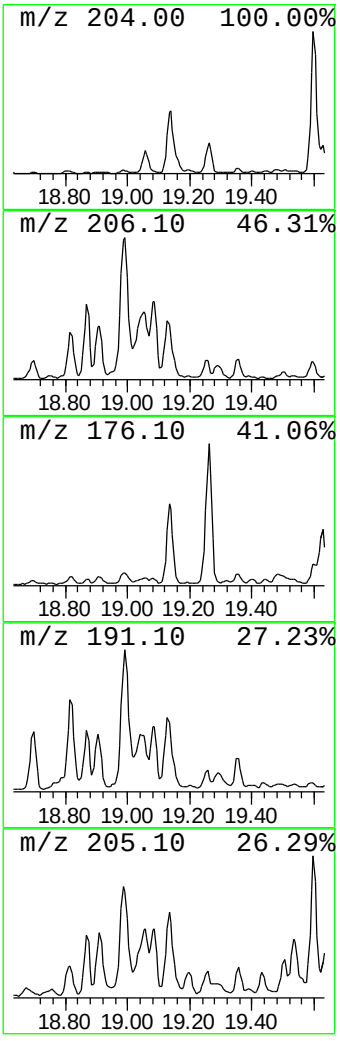
Peak Number 27 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	17.82 ng/ul	2607340	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
3	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
4	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	38
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35





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Data File : BM020802.D
Acq On : 07 Jun 2019 14:01
Operator : HP/JU
Sample : K3201-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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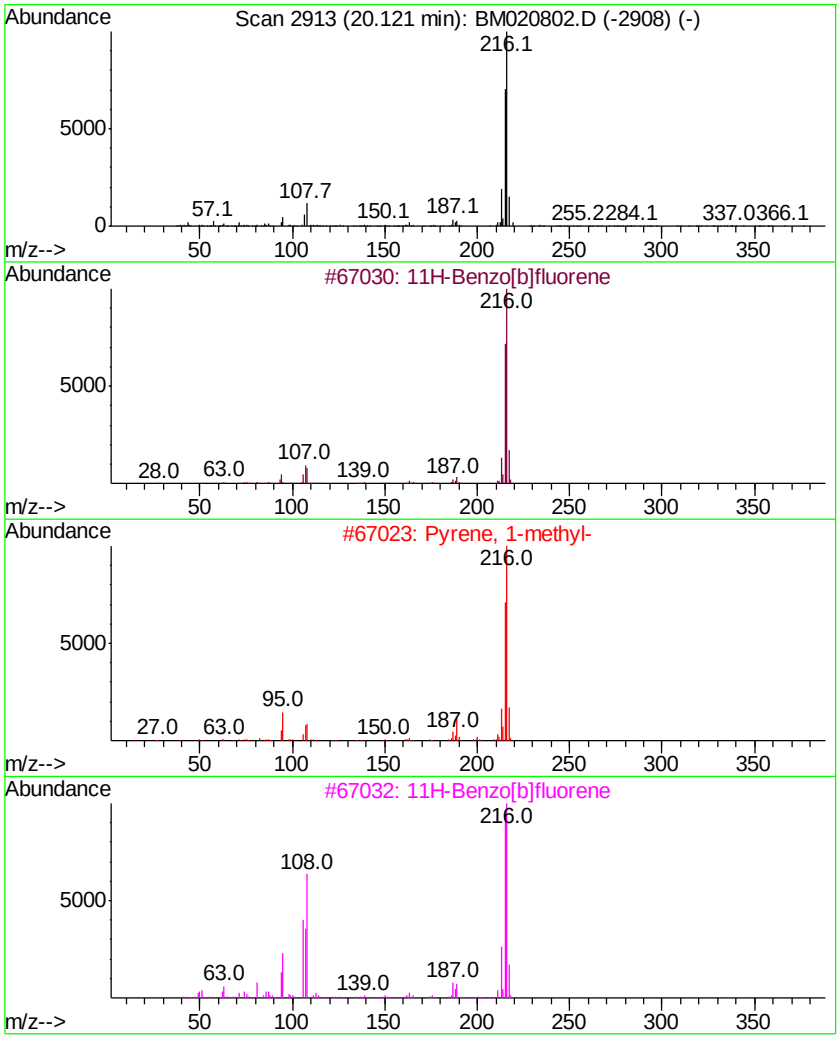
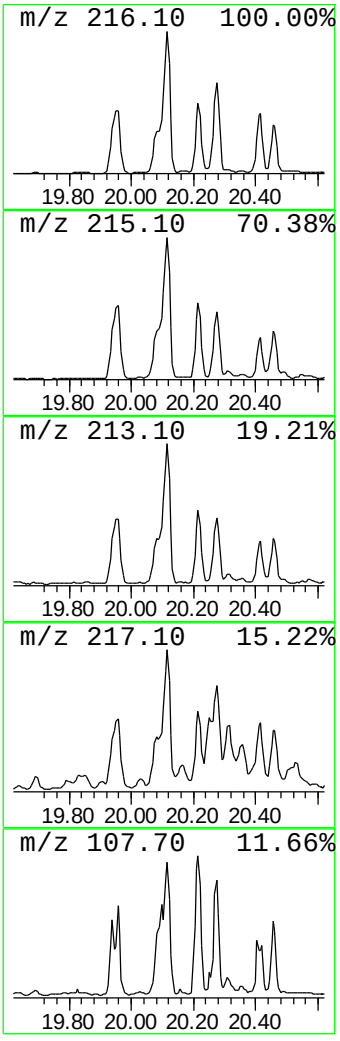
Peak Number 28 11H-Benzo[b]fluorene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	3.60 ng/ul	4875290	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020802.D
Acq On : 07 Jun 2019 14:01
Operator : HP/JU
Sample : K3201-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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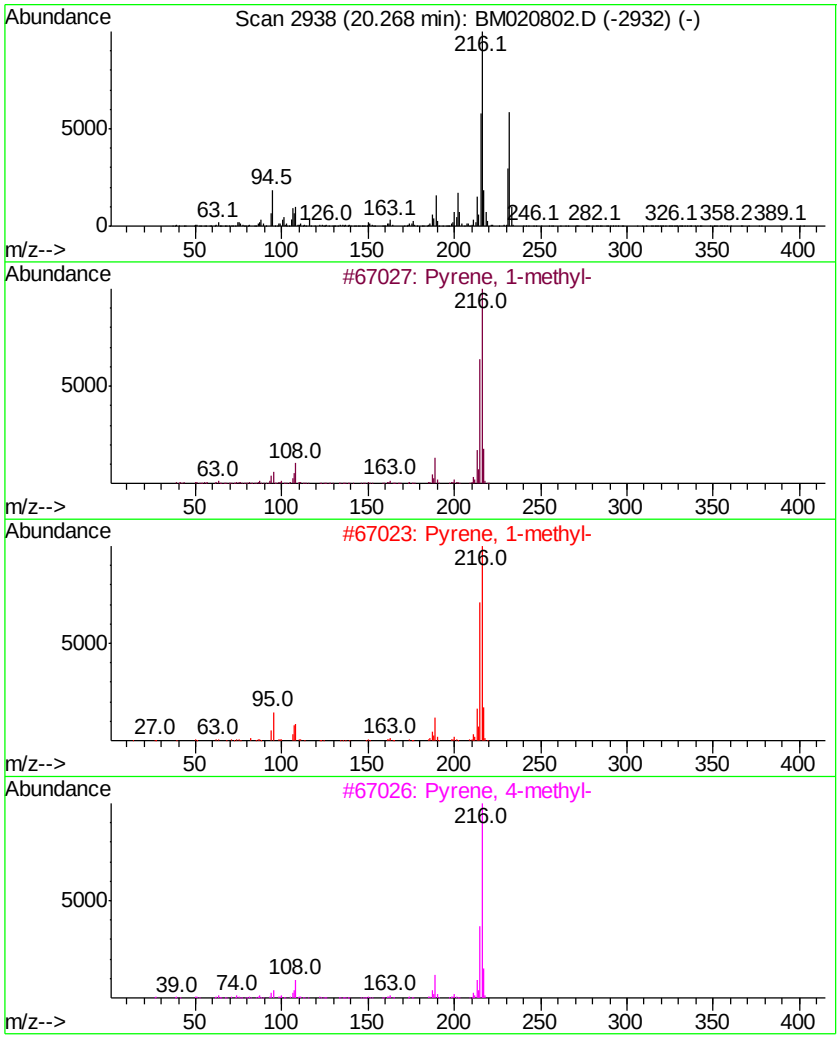
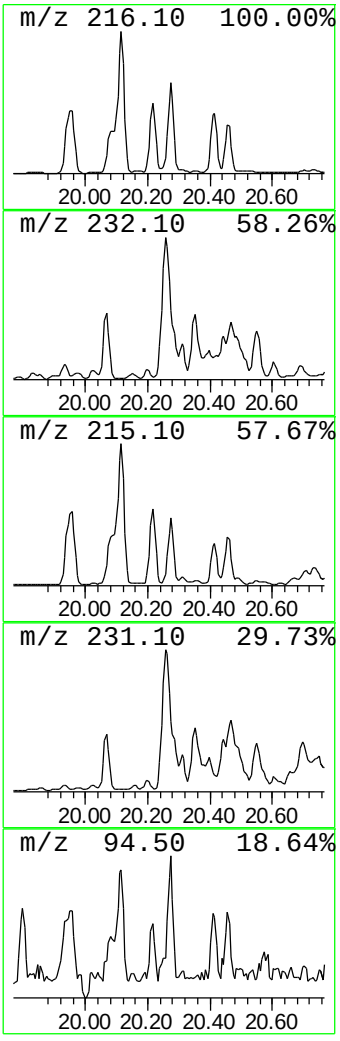
Peak Number 29 Pyrene, 1-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	3.54 ng/ul	4791510	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020802.D
Acq On : 07 Jun 2019 14:01
Operator : HP/JU
Sample : K3201-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 30 11H-Benzo[a]fluoren-11-one Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	2.68 ng/ul	3631750	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
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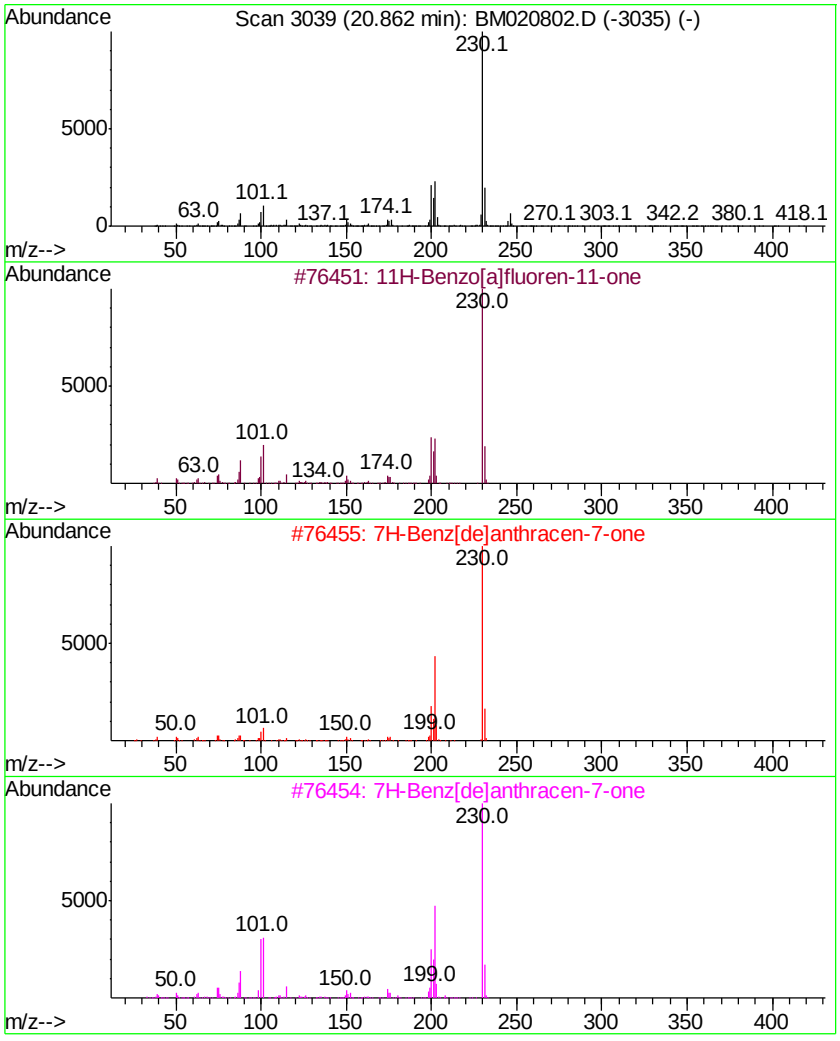

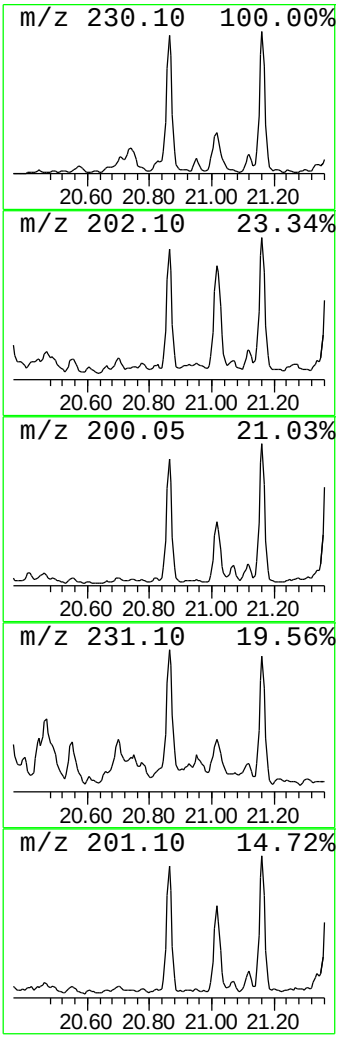

Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
Data File : BM020802.D
Acq On : 07 Jun 2019 14:01
Operator : HP/JU
Sample : K3201-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.05	188.3	ng/ul	14083600	1	7.82	1496030	20.0
Naphthalene, 2,3-...	13.77	5.3	ng/ul	718227	3	14.45	2707940	20.0
Diphenylmethane	15.66	4.3	ng/ul	579166	3	14.45	2707940	20.0
[1,1'-Biphenyl]-4...	15.79	9.4	ng/ul	1269630	3	14.45	2707940	20.0
2,4,6-Cycloheptat...	15.94	12.2	ng/ul	1779930	4	17.20	2925500	20.0
9H-Fluorene, 2-me...	16.50	10.4	ng/ul	1513770	4	17.20	2925500	20.0
Pentamethylmelamine	16.73	7.4	ng/ul	1086580	4	17.20	2925500	20.0
Dibenz[c,e]oxepin...	16.77	6.4	ng/ul	940883	4	17.20	2925500	20.0
9H-Fluoren-9-one	16.85	10.0	ng/ul	1468870	4	17.20	2925500	20.0
8-Dimethylaminona...	16.93	10.9	ng/ul	1597740	4	17.20	2925500	20.0
Dibenzothiophene	17.02	9.0	ng/ul	1317350	4	17.20	2925500	20.0
Anthrone	17.77	4.9	ng/ul	721734	4	17.20	2925500	20.0
Phenanthrene, 2-m...	18.07	40.6	ng/ul	5945520	4	17.20	2925500	20.0
Phenanthrene, 1-m...	18.12	40.6	ng/ul	5932720	4	17.20	2925500	20.0
Anthracene, 2-met...	18.20	17.9	ng/ul	2625070	4	17.20	2925500	20.0
4H-Cyclopenta[def...	18.27	45.7	ng/ul	6684200	4	17.20	2925500	20.0
Anthracene, 9-met...	18.30	15.7	ng/ul	2294330	4	17.20	2925500	20.0
3-Methylcarbazole	18.50	4.2	ng/ul	620845	4	17.20	2925500	20.0
2-Phenylnaphthalene	18.57	17.4	ng/ul	2549160	4	17.20	2925500	20.0
9,10-Anthracenedione	18.62	13.5	ng/ul	1972590	4	17.20	2925500	20.0
Phenanthrene, 4,5...	18.82	7.8	ng/ul	1147480	4	17.20	2925500	20.0
Phenanthrene, 3,6...	18.87	5.6	ng/ul	819434	4	17.20	2925500	20.0
Phenanthrene, 2,5...	18.90	5.2	ng/ul	760001	4	17.20	2925500	20.0
Phenanthrene, 2,3...	18.99	22.0	ng/ul	3217280	4	17.20	2925500	20.0
unknown-01	19.06	12.6	ng/ul	1845510	4	17.20	2925500	20.0
1,3-Diphenyl-3-me...	19.08	8.1	ng/ul	1187600	4	17.20	2925500	20.0
Cyclopenta(def)ph...	19.13	17.8	ng/ul	2607340	4	17.20	2925500	20.0
11H-Benzo[b]fluorene	20.12	3.6	ng/ul	4875290	5	21.39	27067000	20.0
Pyrene, 1-methyl-	20.27	3.5	ng/ul	4791510	5	21.39	27067000	20.0
11H-Benzo[a]fluor...	20.86	2.7	ng/ul	3631750	5	21.39	27067000	20.0