LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020797.D
Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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	3.046	6	10	16	rVB	1269203	1410322	10.84%	0.932%
2	6.969	671	677	687	rBV	231864	388363	2.99%	0.257%
3	7.152	702	708	722	rBV	179941	302110	2.32%	0.200%
4	7.340	734	740	747	rBV	260292	410856	3.16%	0.272%
5	7.810	809	820	827	rBV	1142132	1771498	13.62%	1.171%
6	8.510	932	939	946	rBV	268446	429162	3.30%	0.284%
7	8.969	1011	1017	1024	rBV	235538	393996	3.03%	0.260%
8	9.687	1132	1139	1147	rBV	183312	309926	2.38%	0.205%
9	10.222	1223	1230	1239	rBV	316148	532359	4.09%	0.352%
10	10.604	1285	1295	1300	rBV	1532117	2573821	19.79%	1.701%
11	10.745	1310	1319	1327	rBV	218334	399819	3.07%	0.264%
12	13.769	1827	1833	1838	rBV	108960	186961	1.44%	0.124%
13	13.857	1844	1848	1853	rVV	595428	827783	6.36%	0.547%
14	13.904	1853	1856	1863	rVV	195791	274866	2.11%	0.182%
15	14.139	1890	1896	1900	rBV	664449	1084588	8.34%	0.717%
16	14.451	1938	1949	1955	rVV2	2321927	3529377	27.14%	2.333%
17	14.510	1955	1959	1967	rVV	393208	598729	4.60%	0.396%
18	14.645	1976	1982	1993	rBV2	159750	294311	2.26%	0.195%
19	14.845	2011	2016	2024	rVV	253103	388970	2.99%	0.257%
20	15.239	2075	2083	2086	rBV3	76070	150618	1.16%	0.100%
21	15.439	2110	2117	2122	rVV	875405	1298441	9.98%	0.858%
22	15.498	2122	2127	2134	rVV	361939	593961	4.57%	0.393%
23	15.563	2134	2138	2141	rVV	98470	151821	1.17%	0.100%
24	15.786	2172	2176	2185	rVB	190147	302252	2.32%	0.200%
25	15.939	2197	2202	2209	rVB	187616	350182	2.69%	0.231%
26	16.174	2233	2242	2247	rVB5	100694	215573	1.66%	0.142%
27	16.498	2295	2297	2302	rVB2	123125	167715	1.29%	0.111%
28	16.727	2328	2336	2339	rBV3	156230	311638	2.40%	0.206%
29	16.769	2339	2343	2345	rVV2	147492	208183	1.60%	0.138%
30	16.851	2352	2357	2363	rVB	293341	435523	3.35%	0.288%
31	16.927	2363	2370	2371	rBV2	155077	242323	1.86%	0.160%
32	16.945	2371	2373	2380	rVV2	157899	253365	1.95%	0.167%
33	17.016	2380	2385	2392	rVB	270722	438638	3.37%	0.290%
34	17.192	2409	2415	2419	rBV2	2706627	4200077	32.29%	2.776%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020797.D
Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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	17.239	2419	2423	2428	rVV	5456211	7539102	57.96%	4.983%
36	17.292	2428	2432	2435	rVV	959730	1405436	10.81%	0.929%
37	17.327	2435	2438	2443	rVB	953029	1198379	9.21%	0.792%
38	17.380	2443	2447	2452	rVB3	119243	209454	1.61%	0.138%
39	17.598	2473	2484	2488	rBV2	414434	843076	6.48%	0.557%
40	17.716	2501	2504	2510	rBV2	137651	164374	1.26%	0.109%
41	17.774	2510	2514	2523	rVB4	143920	258774	1.99%	0.171%
42	18.068	2559	2564	2568	rBV	922715	1382520	10.63%	0.914%
43	18.116	2568	2572	2578	rVB	1231266	1701468	13.08%	1.125%
44	18.198	2579	2586	2591	rBV	376246	595933	4.58%	0.394%
45	18.263	2591	2597	2601	rBV2	1139672	2137815	16.44%	1.413%
46	18.298	2601	2603	2609	rVB	634822	769827	5.92%	0.509%
47	18.380	2612	2617	2620	rBV3	121007	170521	1.31%	0.113%
48	18.568	2644	2649	2653	rBV	684060	900001	6.92%	0.595%
49	18.610	2653	2656	2661	rVB	639593	842334	6.48%	0.557%
50	18.692	2667	2670	2676	rVB2	102954	144586	1.11%	0.096%
51	18.816	2687	2691	2695	rVV	283882	388832	2.99%	0.257%
52	18.863	2695	2699	2702	rVV	232076	294490	2.26%	0.195%
53	18.904	2702	2706	2710	rVB2	205233	254981	1.96%	0.169%
54	18.945	2710	2713	2715	rBV3	134183	167080	1.28%	0.110%
55	18.986	2715	2720	2726	rVV	587685	1145233	8.81%	0.757%
56	19.051	2726	2731	2734	rVV3	313354	657796	5.06%	0.435%
57	19.080	2734	2736	2739	rVV	241293	255482	1.96%	0.169%
58	19.127	2739	2744	2752	rVB3	522568	925844	7.12%	0.612%
59	19.251	2759	2765	2771	rVB	9566040	13006534	100.00%	8.597%
60	19.315	2772	2776	2779	rBV	149543	206243	1.59%	0.136%
61	19.351	2779	2782	2787	rVB3	284174	404239	3.11%	0.267%
62	19.445	2794	2798	2802	rBV2	199862	345630	2.66%	0.228%
63	19.492	2803	2806	2810	rVB	234252	293239	2.25%	0.194%
64	19.586	2816	2822	2824	rBV3	2676780	4144286	31.86%	2.739%
65	19.615	2824	2827	2834	rVV	8059108	10501462	80.74%	6.941%
66	19.686	2834	2839	2845	rVB3	519166	842291	6.48%	0.557%
67	19.792	2853	2857	2862	rVB	533164	685175	5.27%	0.453%
68	19.857	2863	2868	2872	rBV	389454	531167	4.08%	0.351%
69	19.933	2876	2881	2889	rBV5	699657	1869409	14.37%	1.236%
70	20.074	2899	2905	2906	rBV4	484435	776066	5.97%	0.513%
71	20.104	2907	2910	2916	rVB	1039125	1586466	12.20%	1.049%

LSC Area Percent Report

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Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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

72	20.210	2924	2928	2931	rBV	557569	704715	5.42%	0.466%
73	20.262	2931	2937	2941	rVV2	823551	1417836	10.90%	0.937%
74	20.304	2941	2944	2948	rVB	301193	316372	2.43%	0.209%
75	20.345	2948	2951	2956	rVB2	199769	255402	1.96%	0.169%
76	20.404	2957	2961	2965	rBV	519132	737148	5.67%	0.487%
77	20.451	2965	2969	2973	rBV2	516491	757213	5.82%	0.500%
78	20.662	3001	3005	3007	rBV3	159227	266923	2.05%	0.176%
79	20.857	3034	3038	3044	rVB	974829	1318417	10.14%	0.871%
80	21.021	3059	3066	3069	rBV2	788075	1497671	11.51%	0.990%
81	21.062	3069	3073	3076	rVV2	893779	1429228	10.99%	0.945%
82	21.098	3076	3079	3084	rVV2	743895	1422351	10.94%	0.940%
83	21.151	3084	3088	3095	rVB2	955517	1384173	10.64%	0.915%
84	21.362	3119	3124	3129	rBV3	6083318	11422541	87.82%	7.550%
85	21.409	3129	3132	3142	rVB	4743909	6224759	47.86%	4.114%
86	21.527	3148	3152	3158	rBV2	654571	1117165	8.59%	0.738%
87	21.592	3159	3163	3167	rBV5	426118	742775	5.71%	0.491%
88	21.692	3175	3180	3184	rVB3	460650	798424	6.14%	0.528%
89	21.927	3217	3220	3224	rVB	756034	943622	7.25%	0.624%
90	21.980	3227	3229	3235	rVB2	563424	744194	5.72%	0.492%
91	22.127	3251	3254	3257	rBV2	386369	477460	3.67%	0.316%
92	22.233	3267	3272	3276	rBV5	396173	768328	5.91%	0.508%
93	22.974	3391	3398	3403	rBV	3552262	8703341	66.92%	5.752%
94	23.145	3423	3427	3434	rVB	596643	977010	7.51%	0.646%
95	23.462	3475	3481	3486	rBV	1835202	3367480	25.89%	2.226%
96	23.556	3492	3497	3505	rVB	2876825	5792059	44.53%	3.828%
97	23.662	3508	3515	3520	rVV	2152731	4546547	34.96%	3.005%
98	23.709	3520	3523	3531	rVB2	871711	1592086	12.24%	1.052%
99	25.968	3900	3907	3920	rVB2	1492052	4294395	33.02%	2.838%
100	26.686	4022	4029	4041	rVB	782918	2304072	17.71%	1.523%

Sum of corrected areas: 151297379

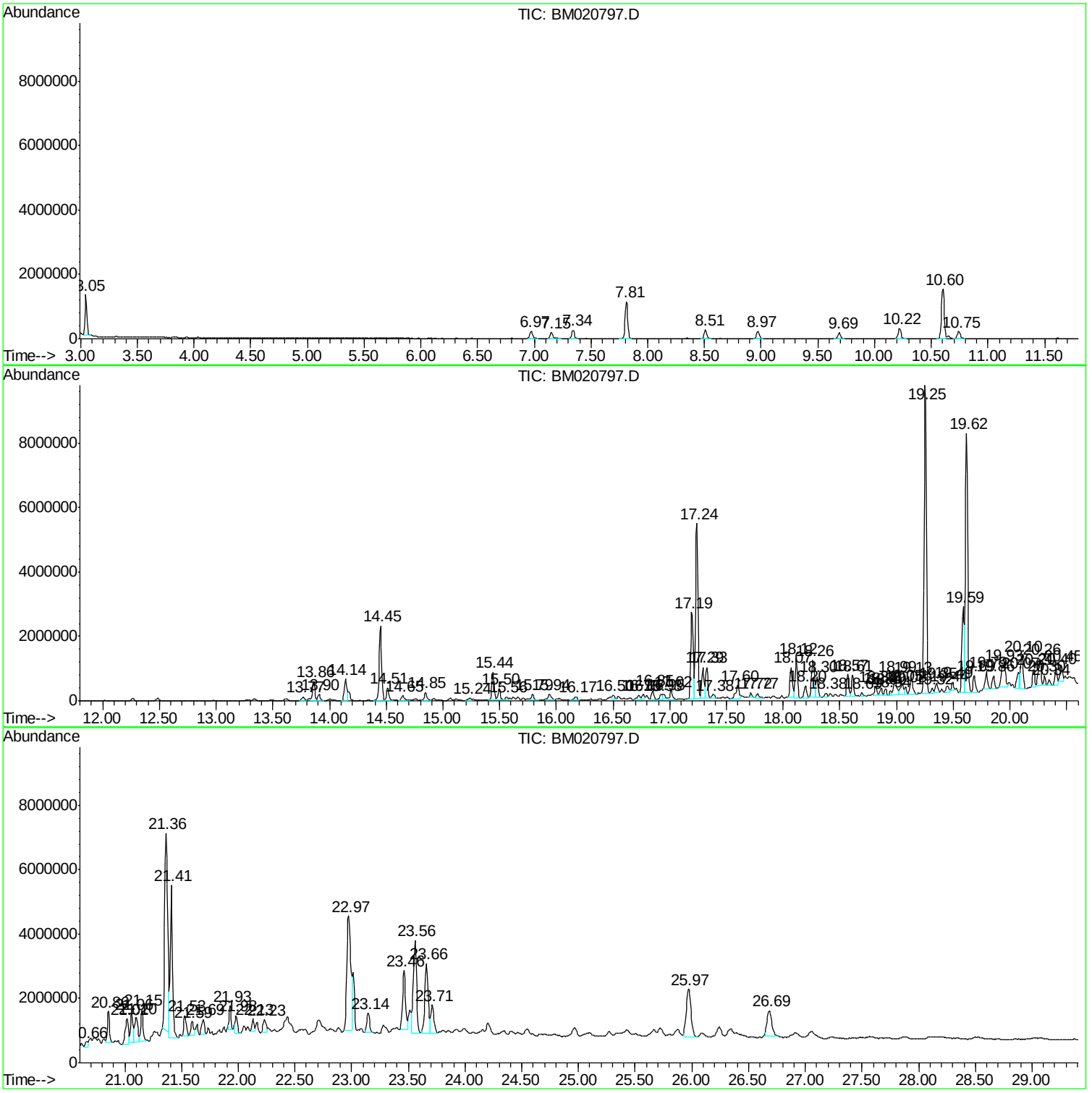
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020797.D
Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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\
Data File : BM020797.D
Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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

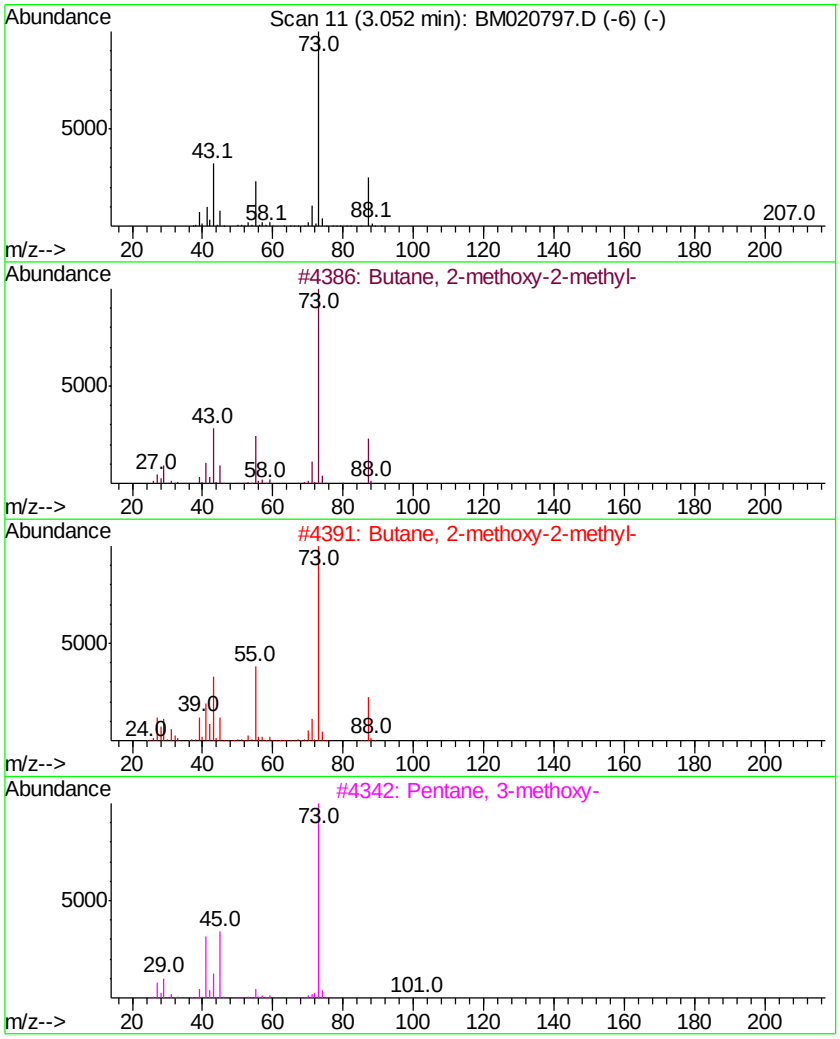
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

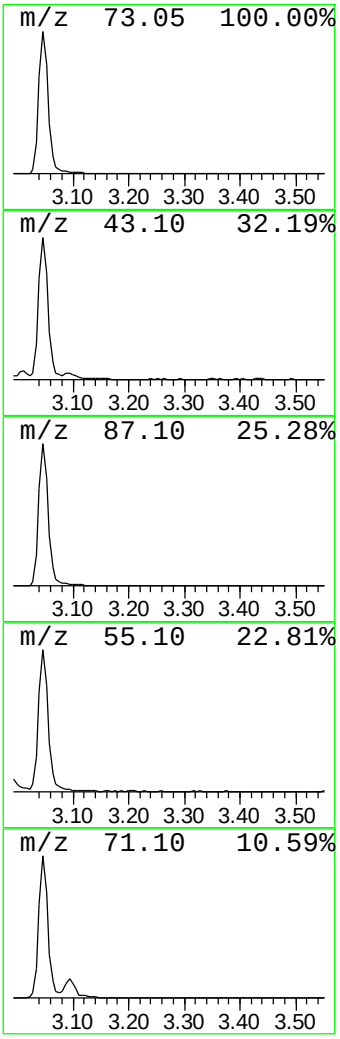
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	15.92 ng/ul	1410320	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





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Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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

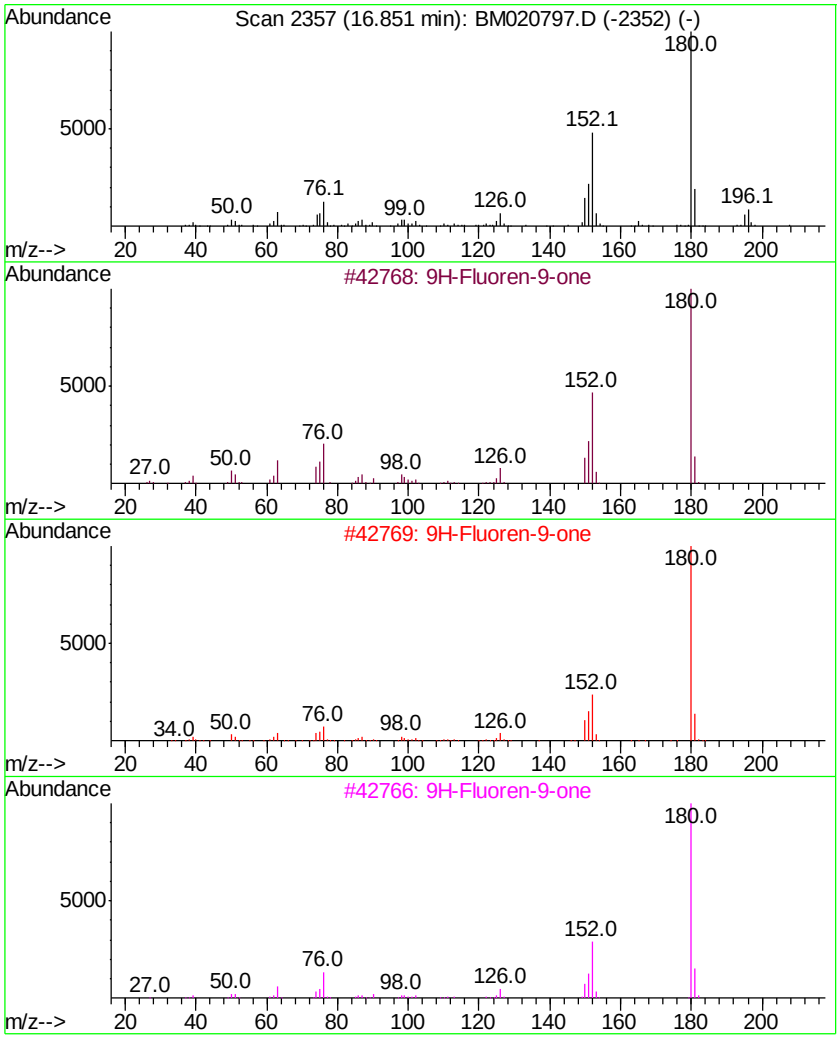
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

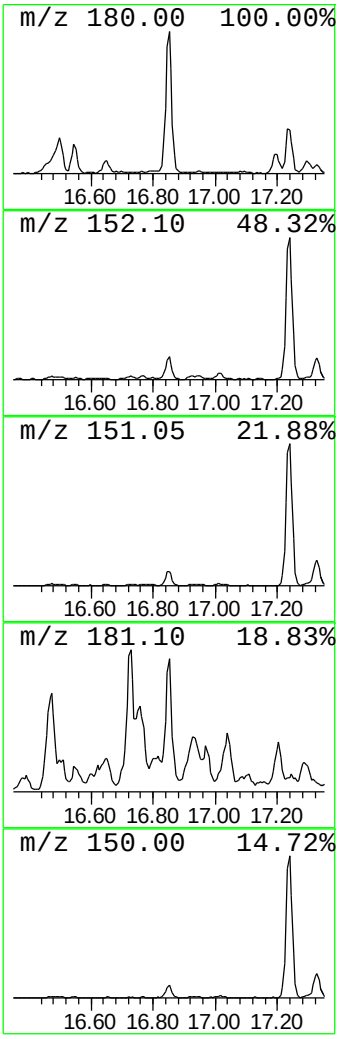
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	2.07 ng/ul	435523	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90





Library Search Compound Report

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Data File : BM020797.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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

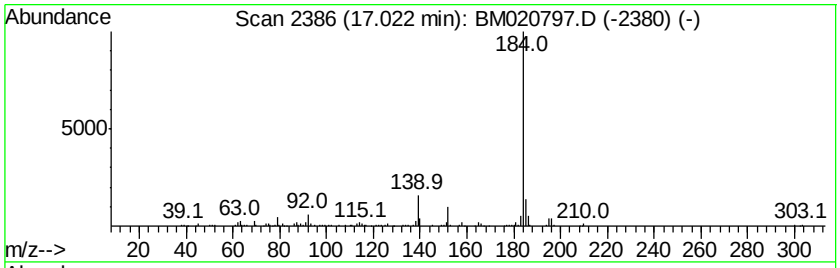
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

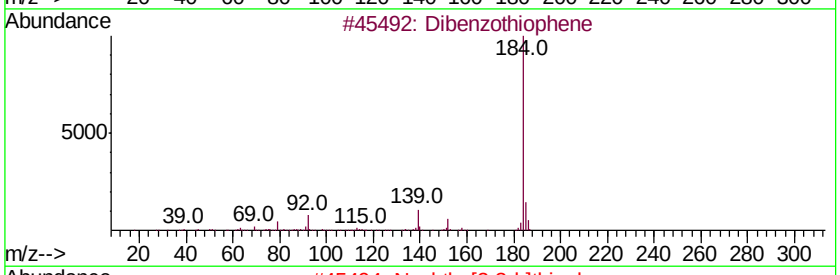
****

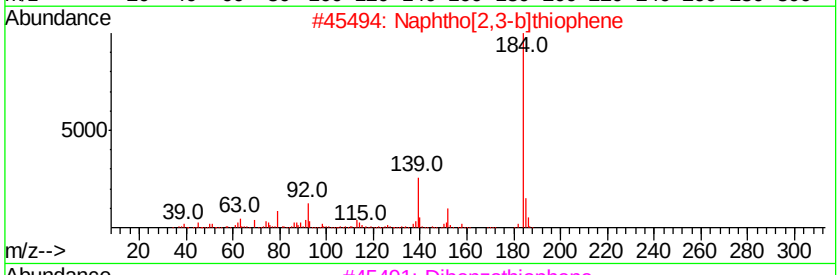
Peak Number 3 Dibenzothiophene Concentration Rank 21

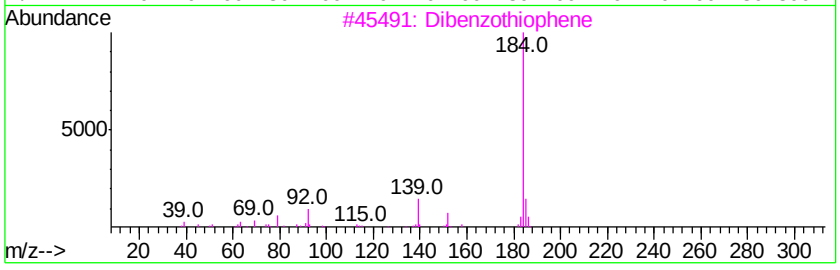
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	2.09 ng/ul	438638	Phenanthrene-d10	17.19

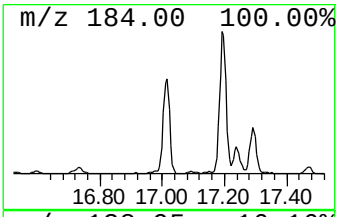
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93

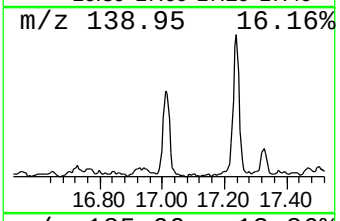


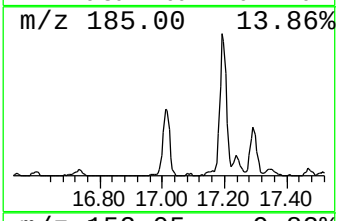


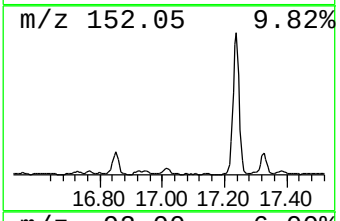


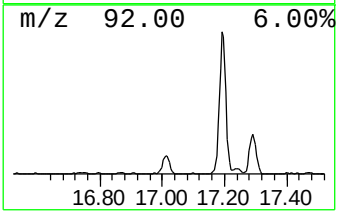












Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : C0AC9

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

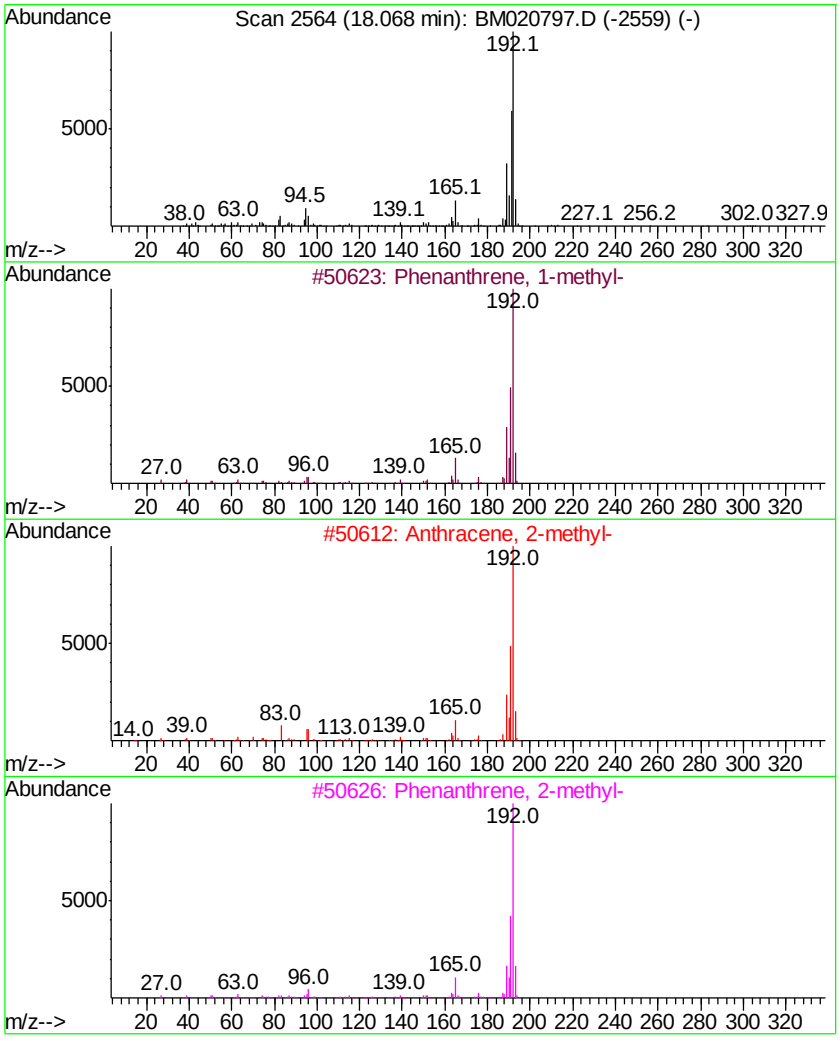
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

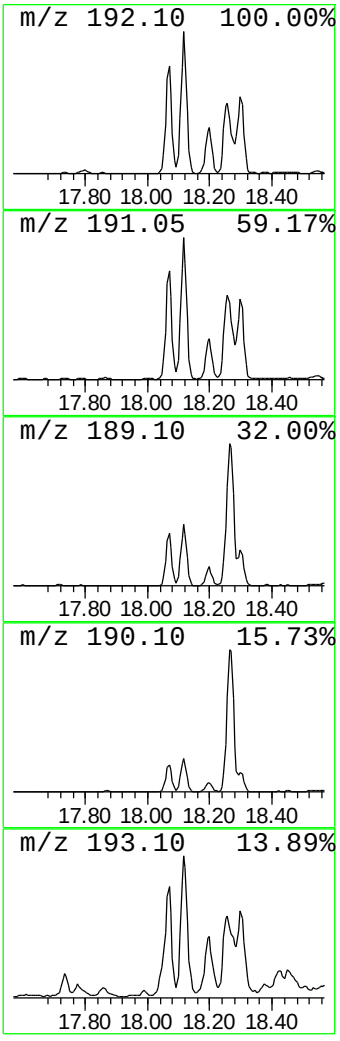
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	6.58 ng/ul	1382520	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Operator : HP/JU
Sample : K3201-18 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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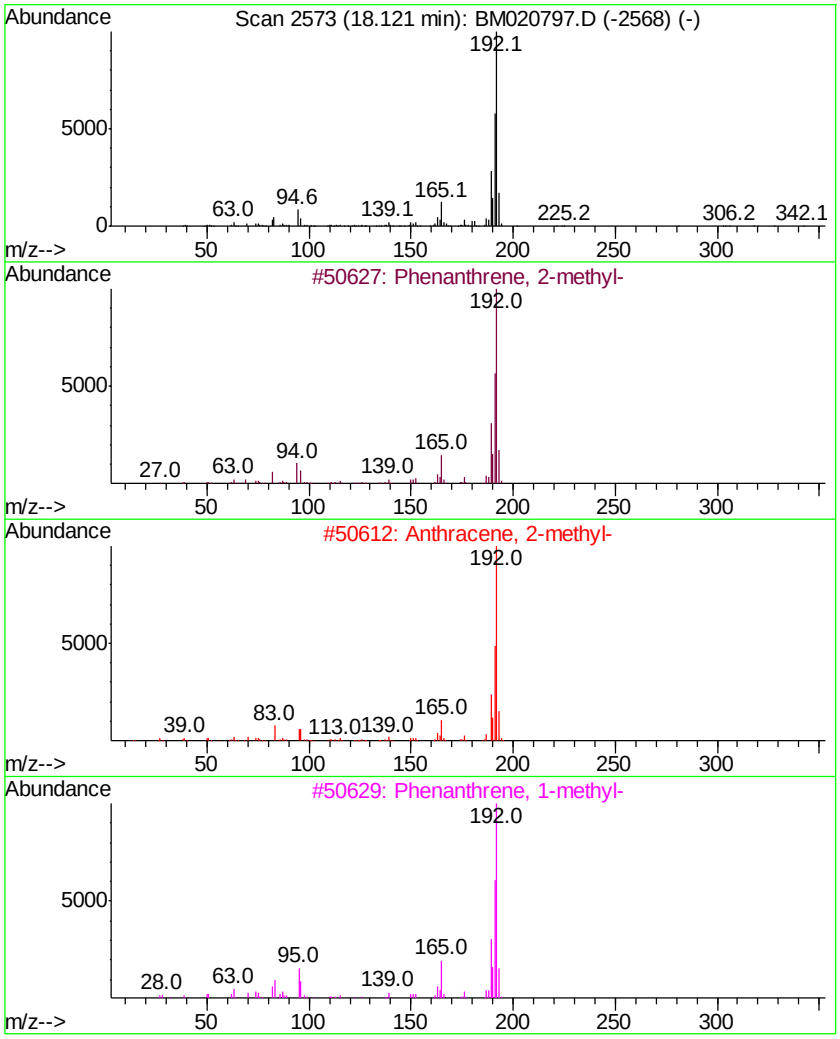
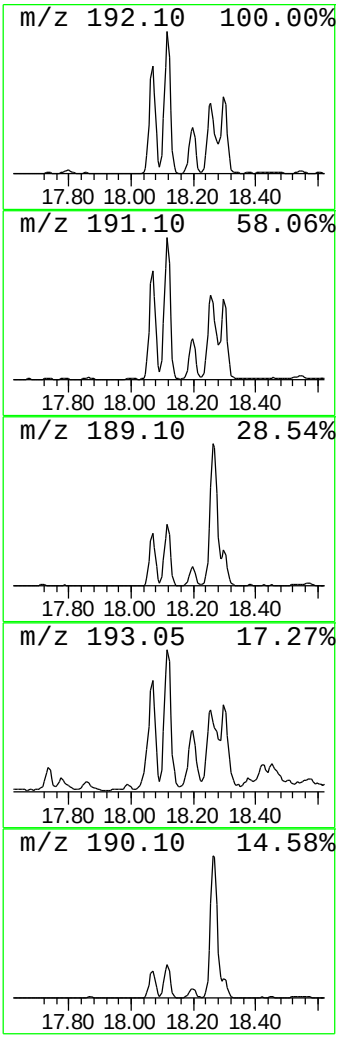
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	8.10 ng/ul	1701470	Phenanthrene-d10	17.19

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





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Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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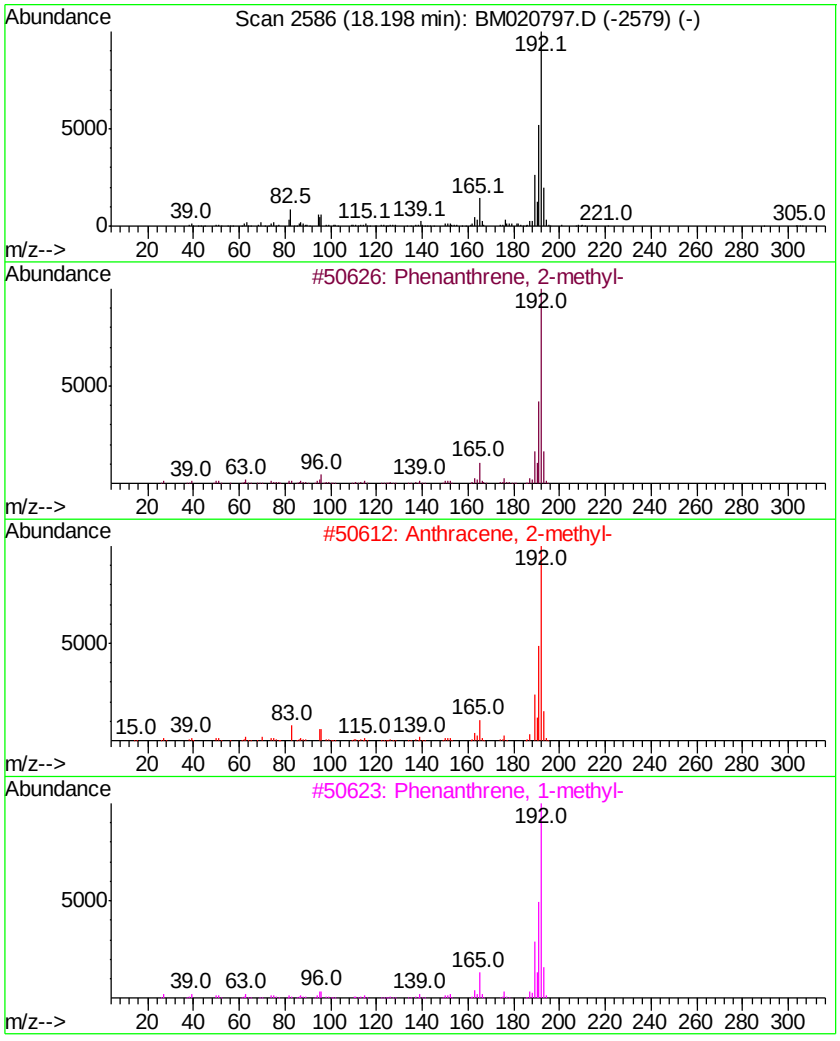
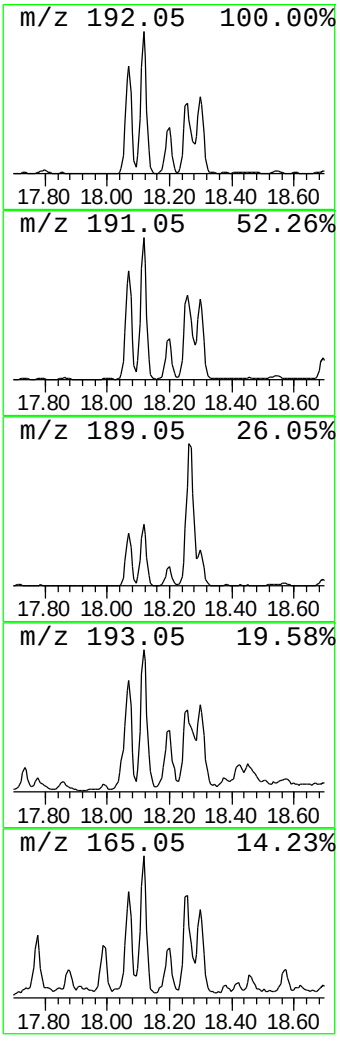
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	2.84 ng/ul	595933	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Quant Title : SVOA CALIBRATION

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

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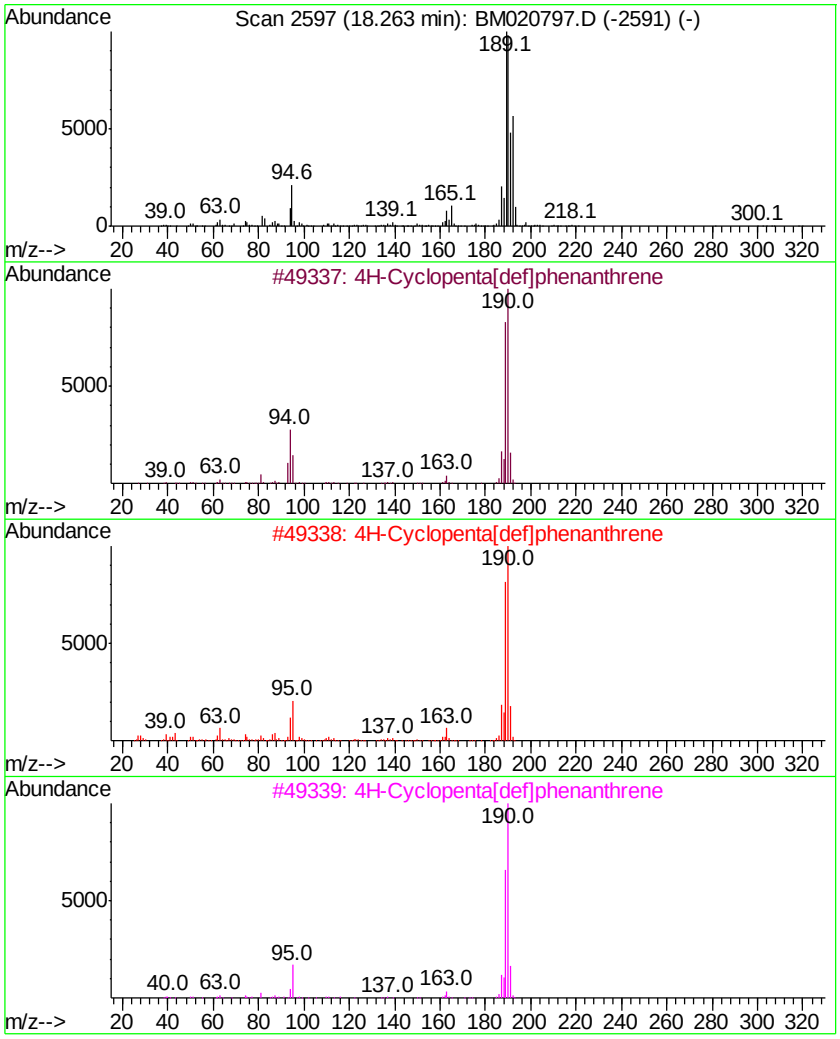
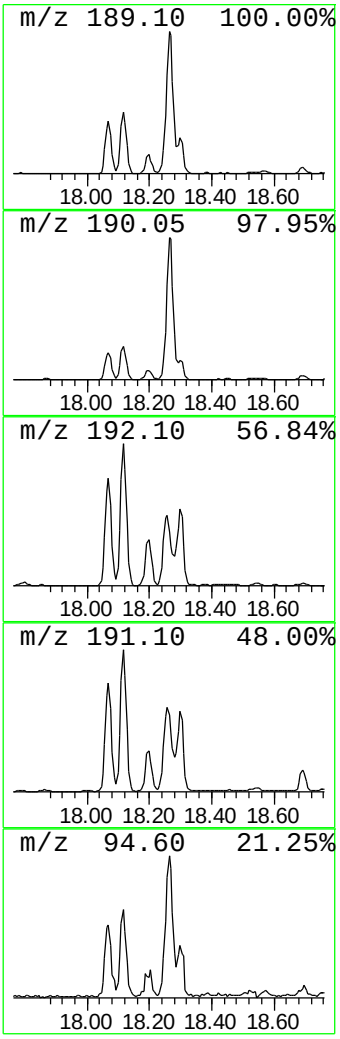
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	10.18 ng/ul	2137820	Phenanthrene-d10	17.19

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	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30





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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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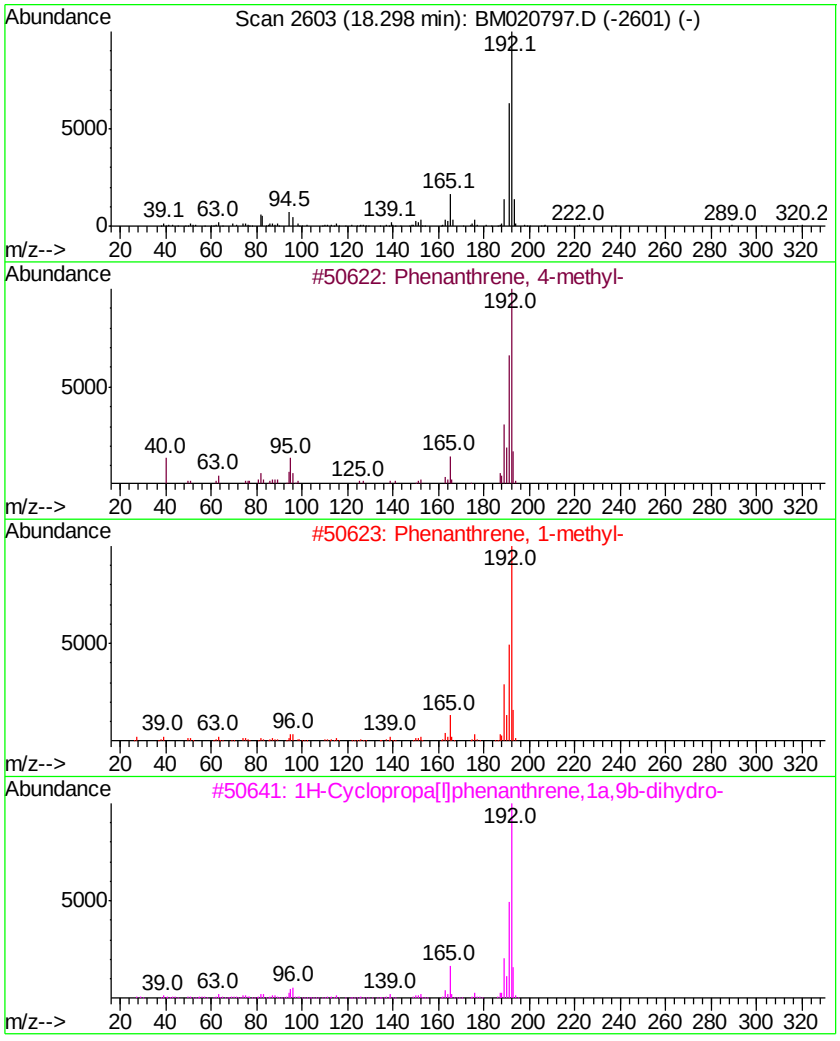
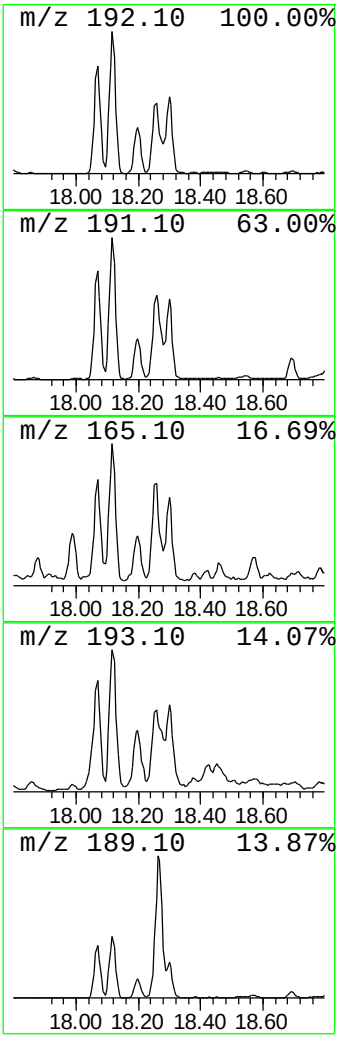
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	3.67 ng/ul	769827	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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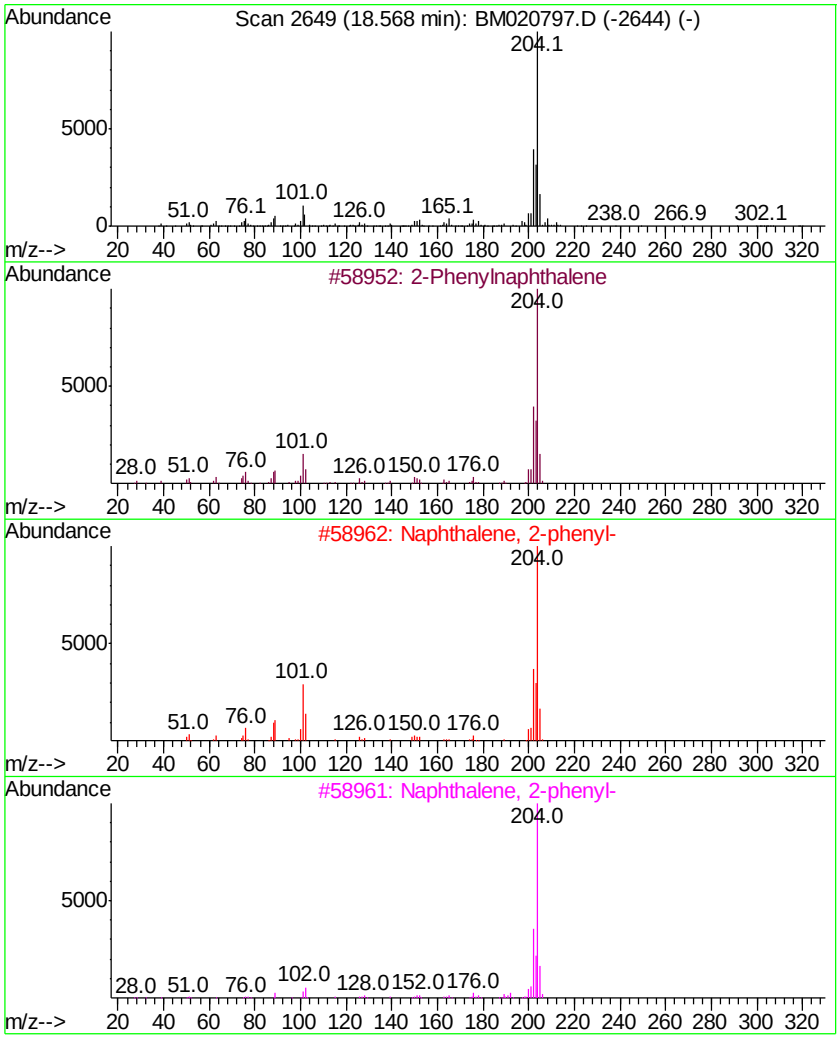
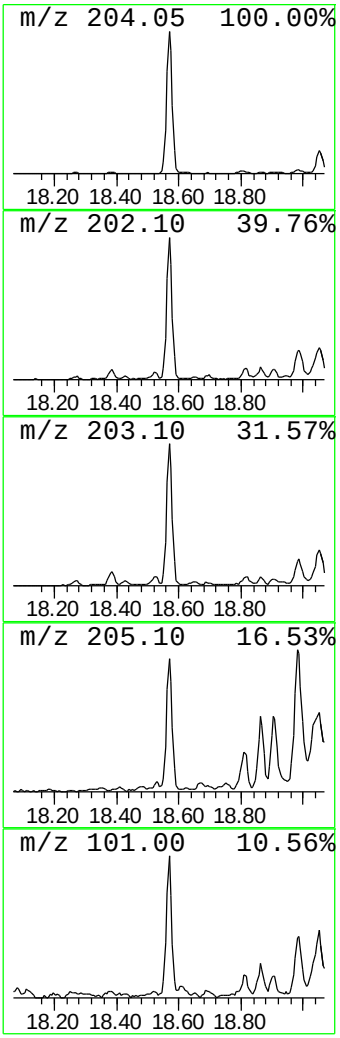
Peak Number 9 2-Phenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	4.29 ng/ul	900001	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64





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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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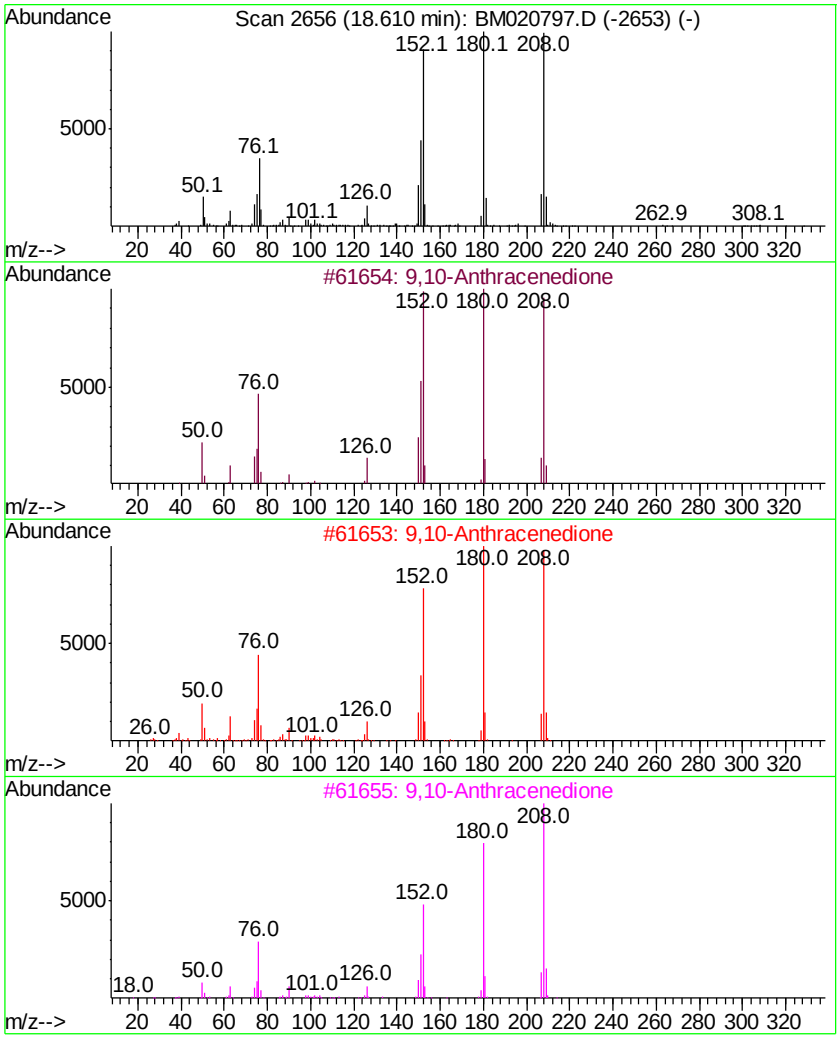
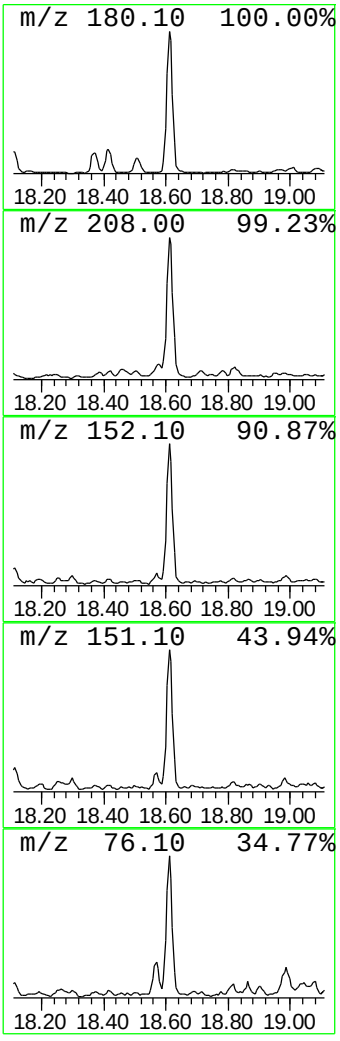
Peak Number 10 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	4.01 ng/ul	842334	Phenanthrene-d10	17.19

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	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83





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Sample : K3201-18 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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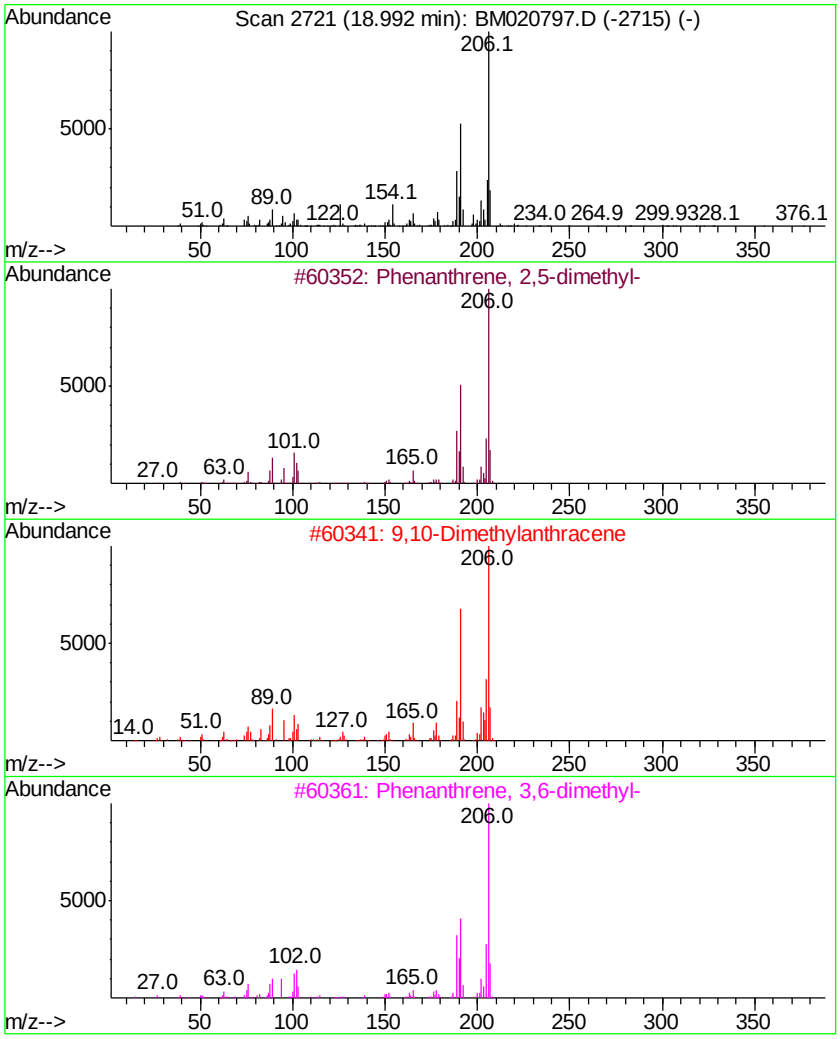
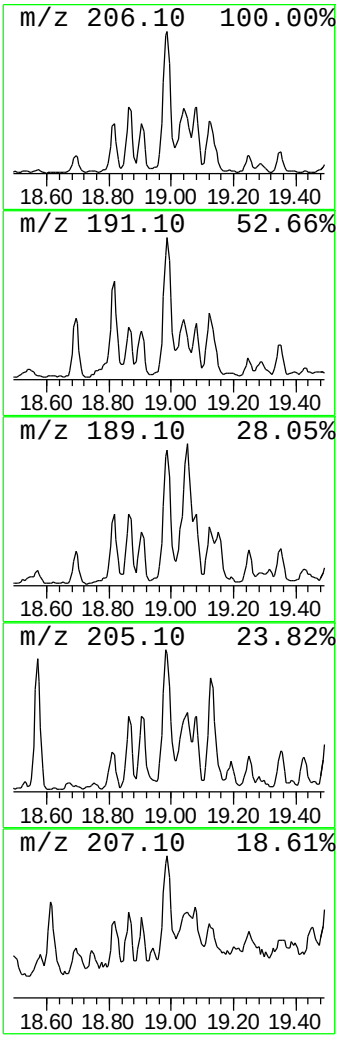
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	5.45 ng/ul	1145230	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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Misc :
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Instrument : BNA_M
ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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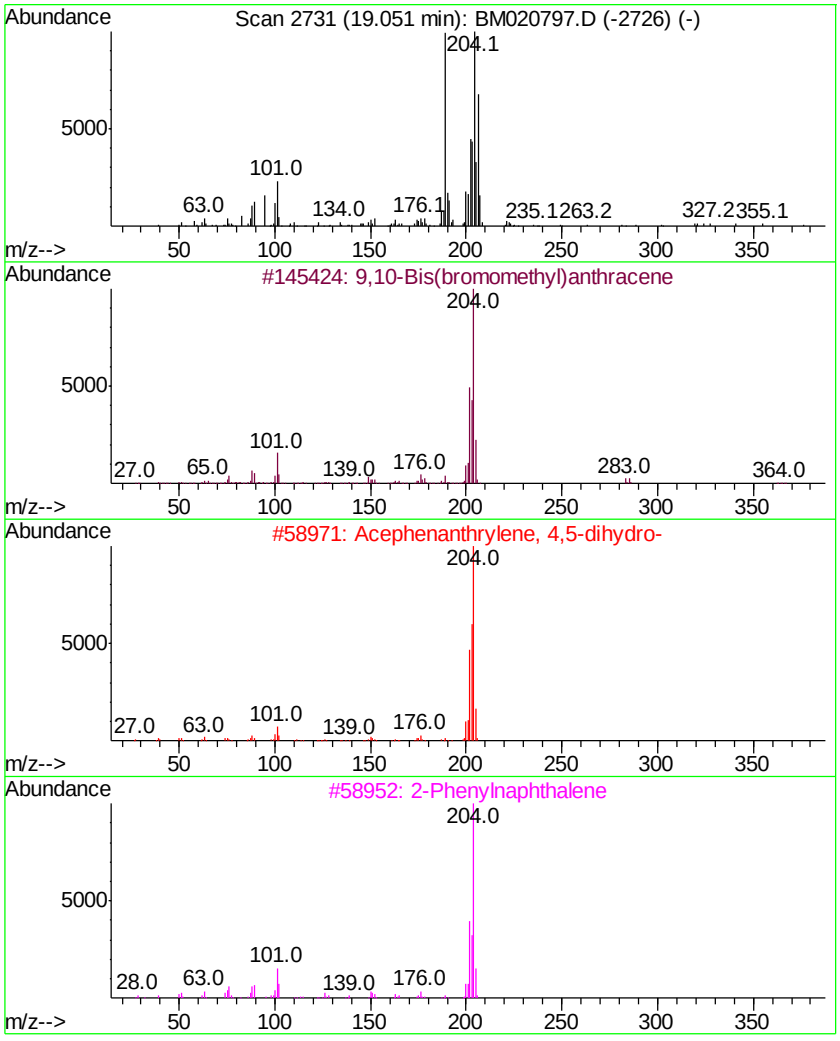
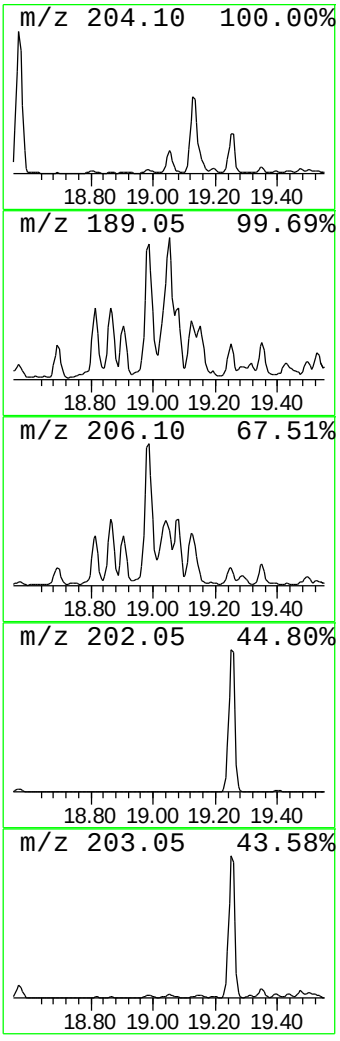
Peak Number 12 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	3.13 ng/ul	657796	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	38
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	25





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Quant Title : SVOA CALIBRATION

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

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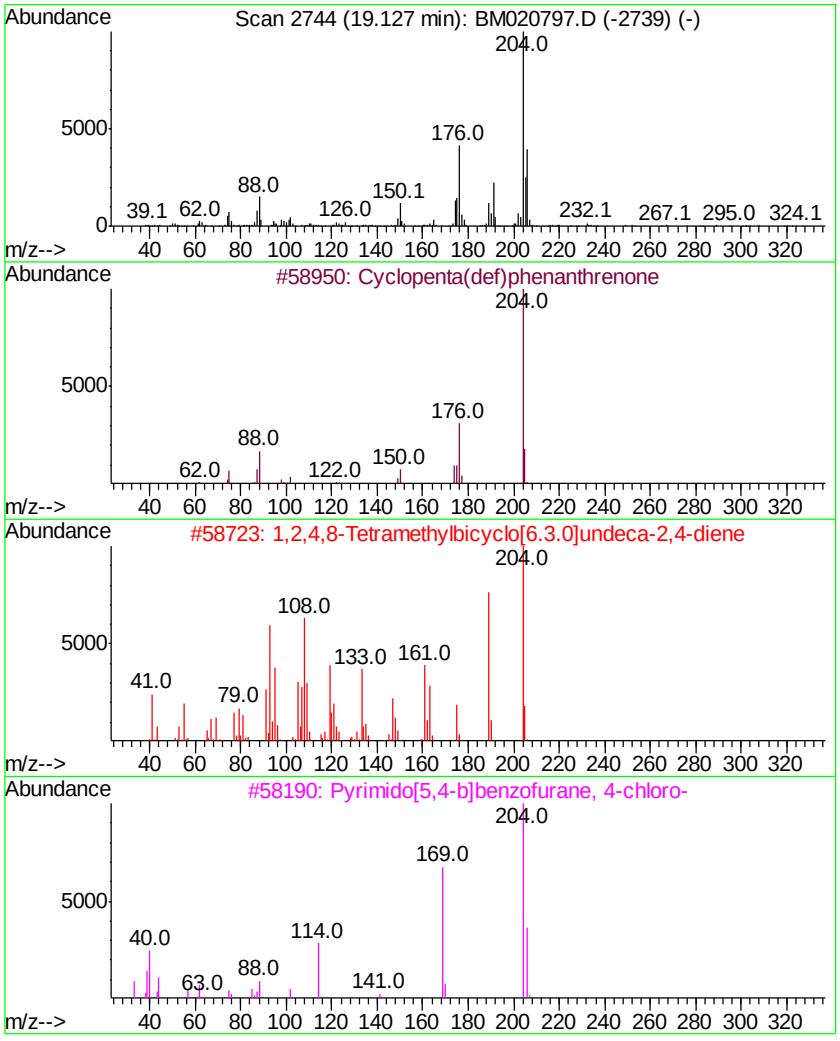
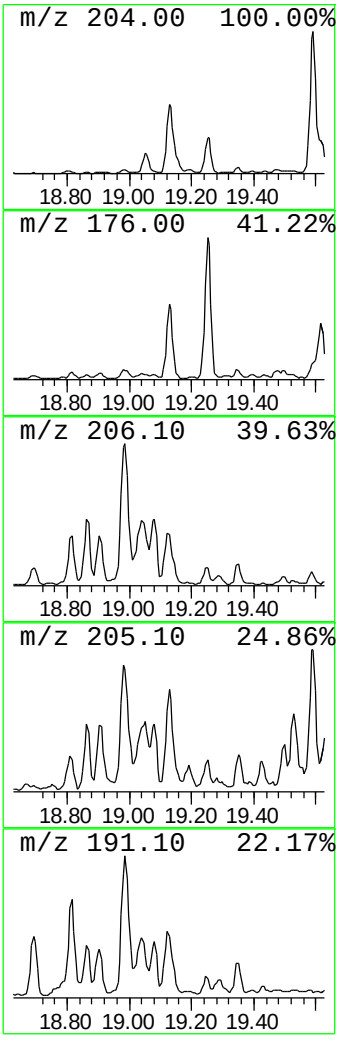
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	4.41 ng/ul	925844	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
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]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	37





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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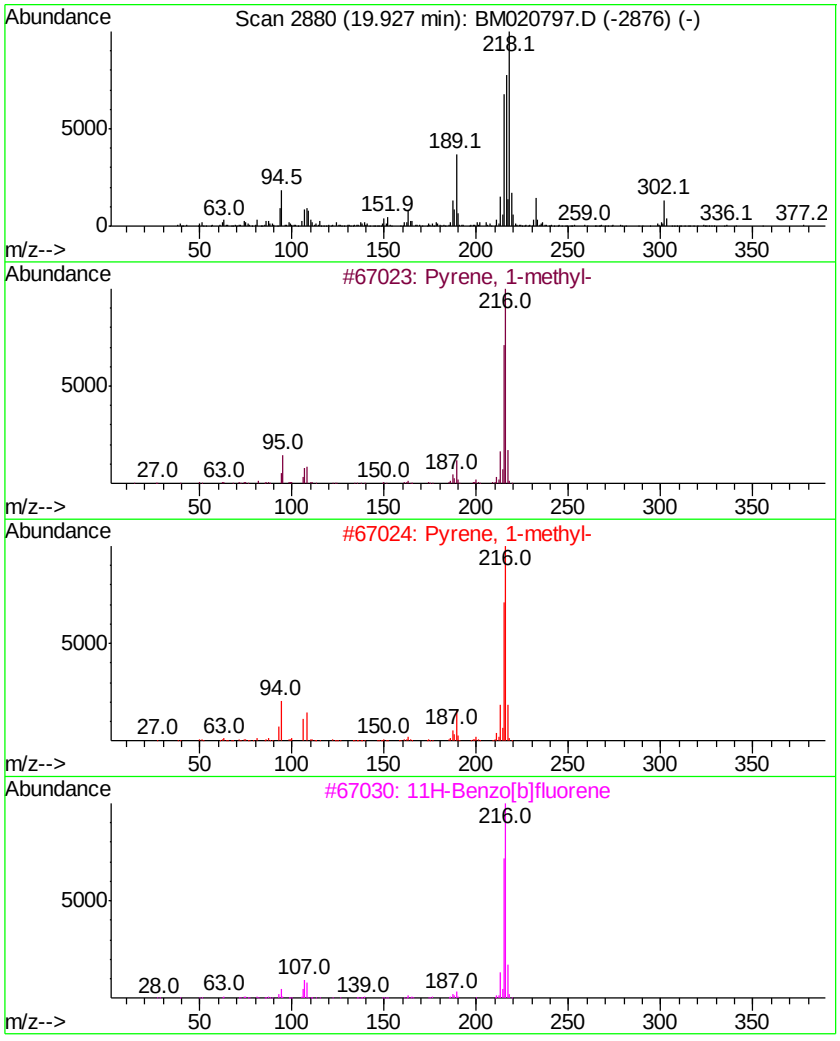
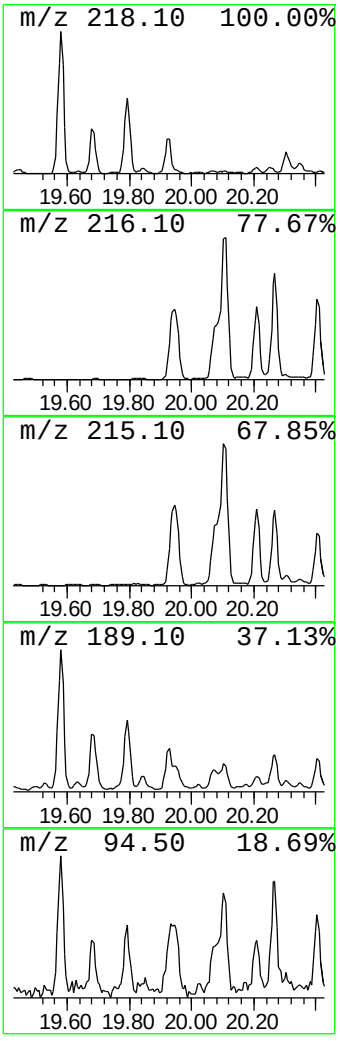
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	3.27 ng/ul	1869410	Chrysene-d12	21.37

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	86
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60





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ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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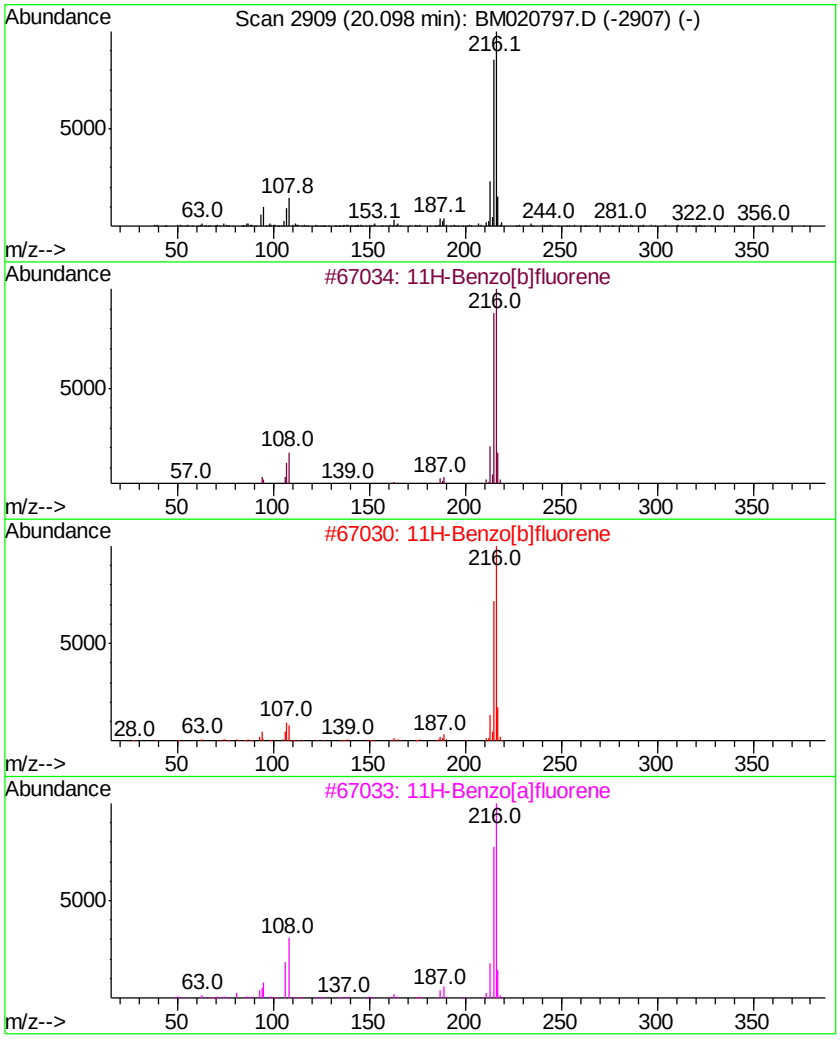
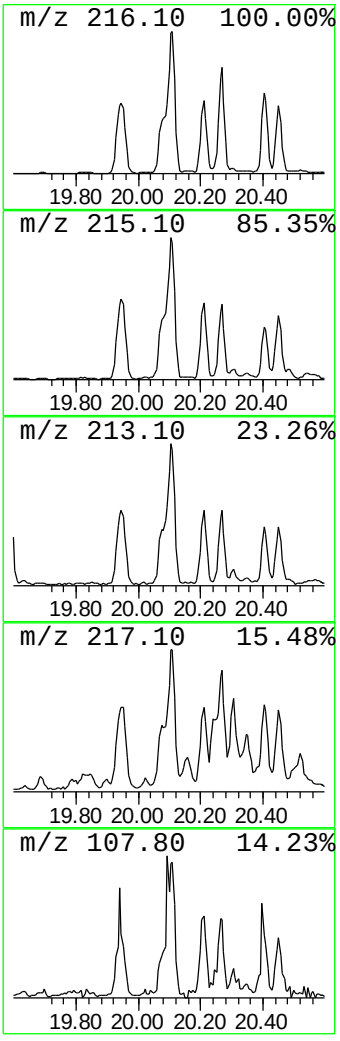
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.78 ng/ul	1586470	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





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Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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

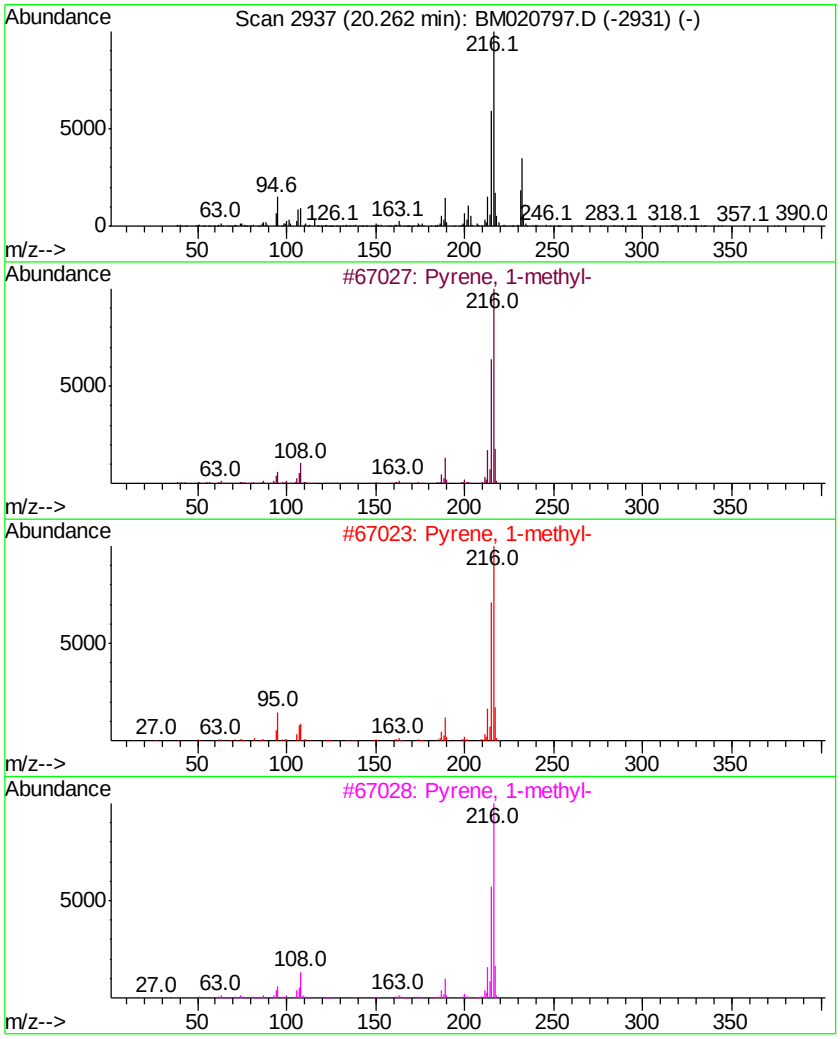
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

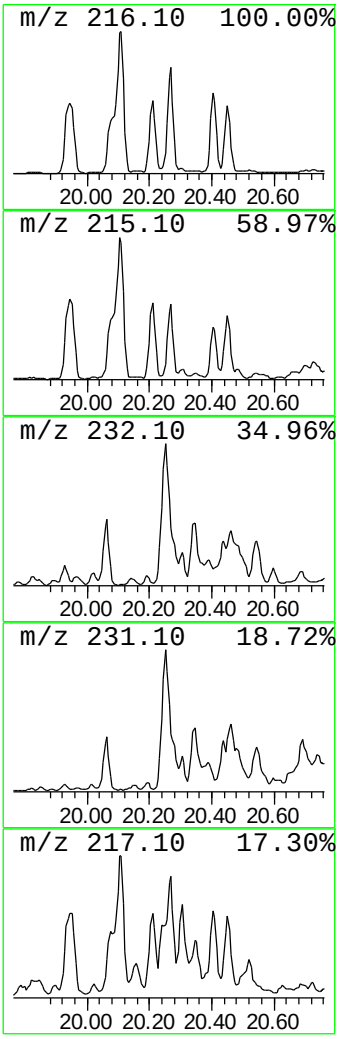
****

Peak Number 16 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.48 ng/ul	1417840	Chrysene-d12	21.37

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, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92





Library Search Compound Report

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Data File : BM020797.D
Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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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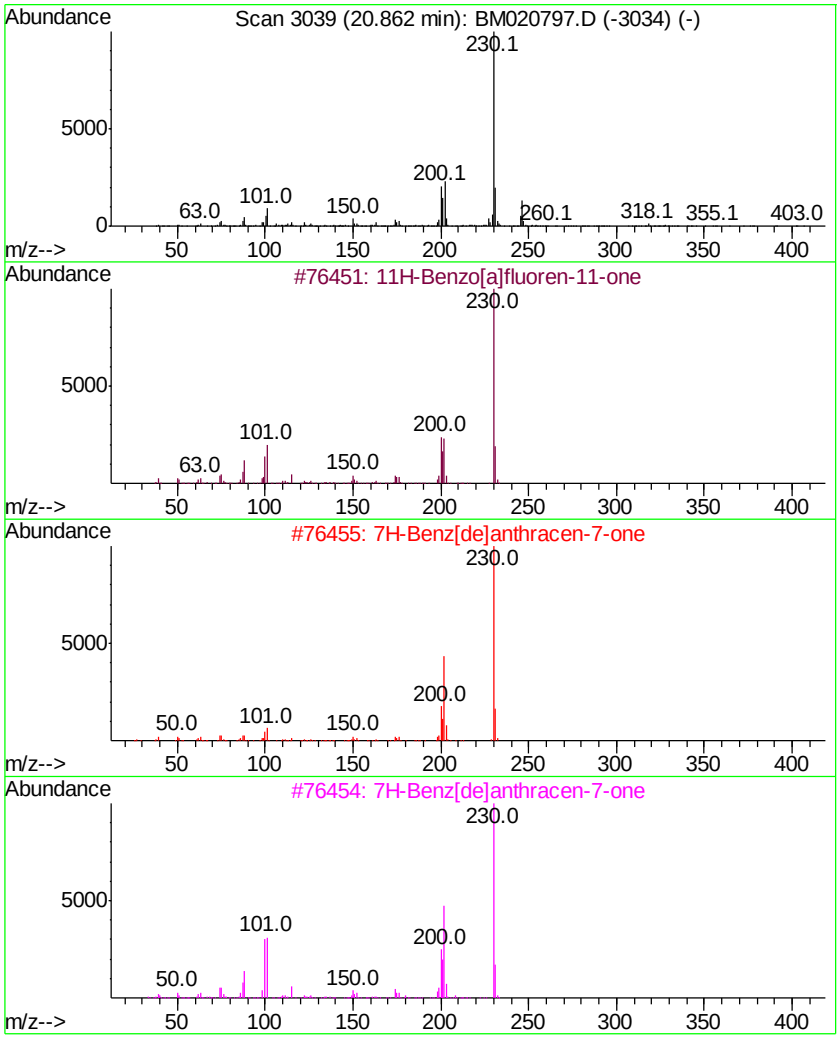
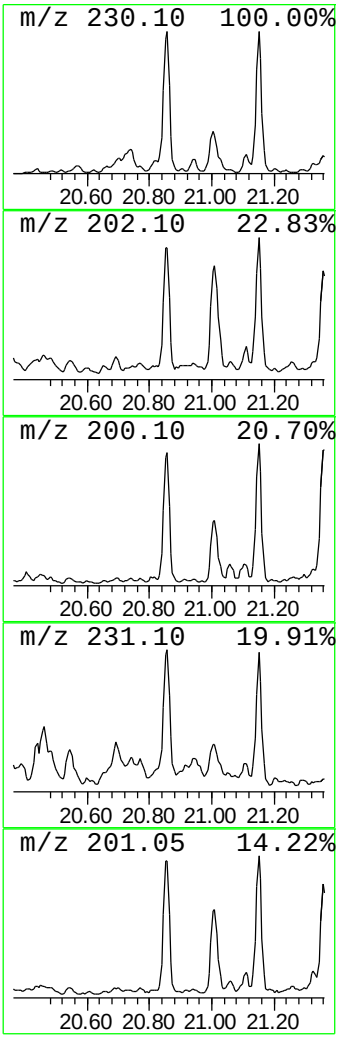
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	2.31 ng/ul	1318420	Chrysene-d12	21.37

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	81
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72





Library Search Compound Report

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Data File : BM020797.D
Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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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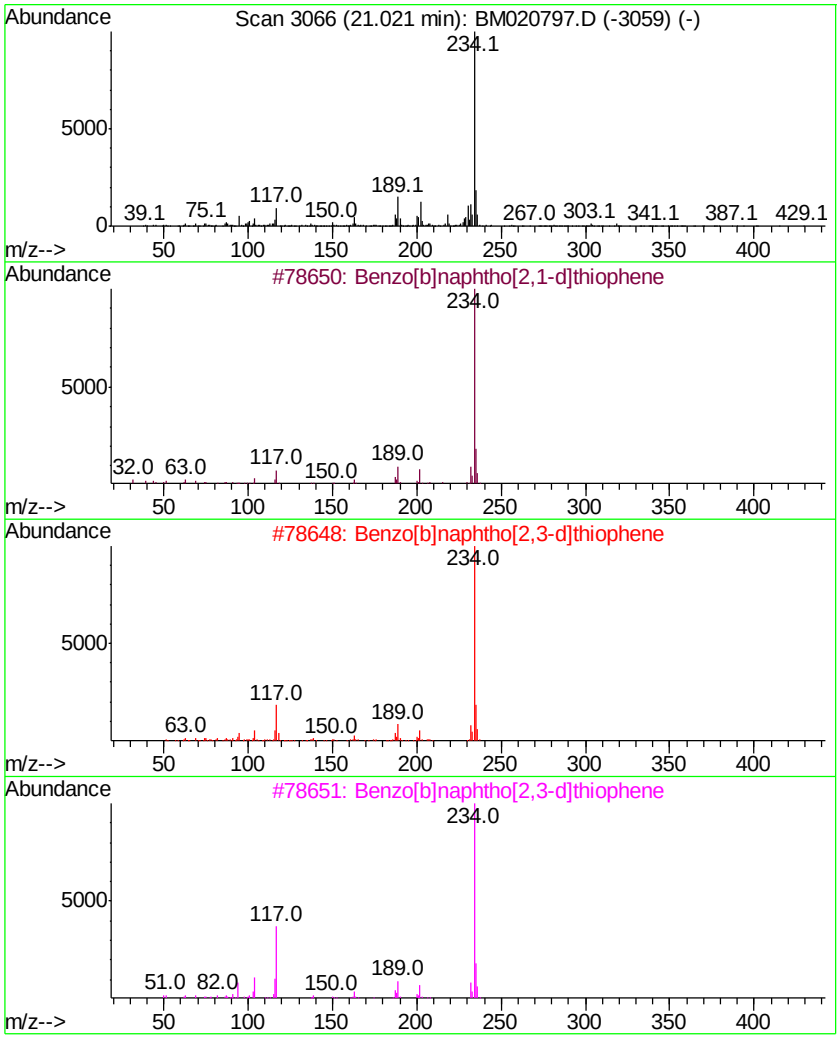
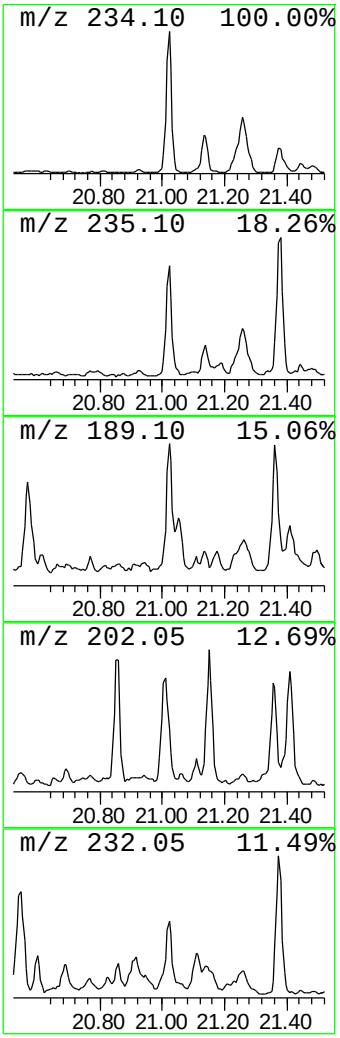
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.62 ng/ul	1497670	Chrysene-d12	21.37

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[2,3-d]thiophene	234	C16H10S	000243-46-9	91
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020797.D
Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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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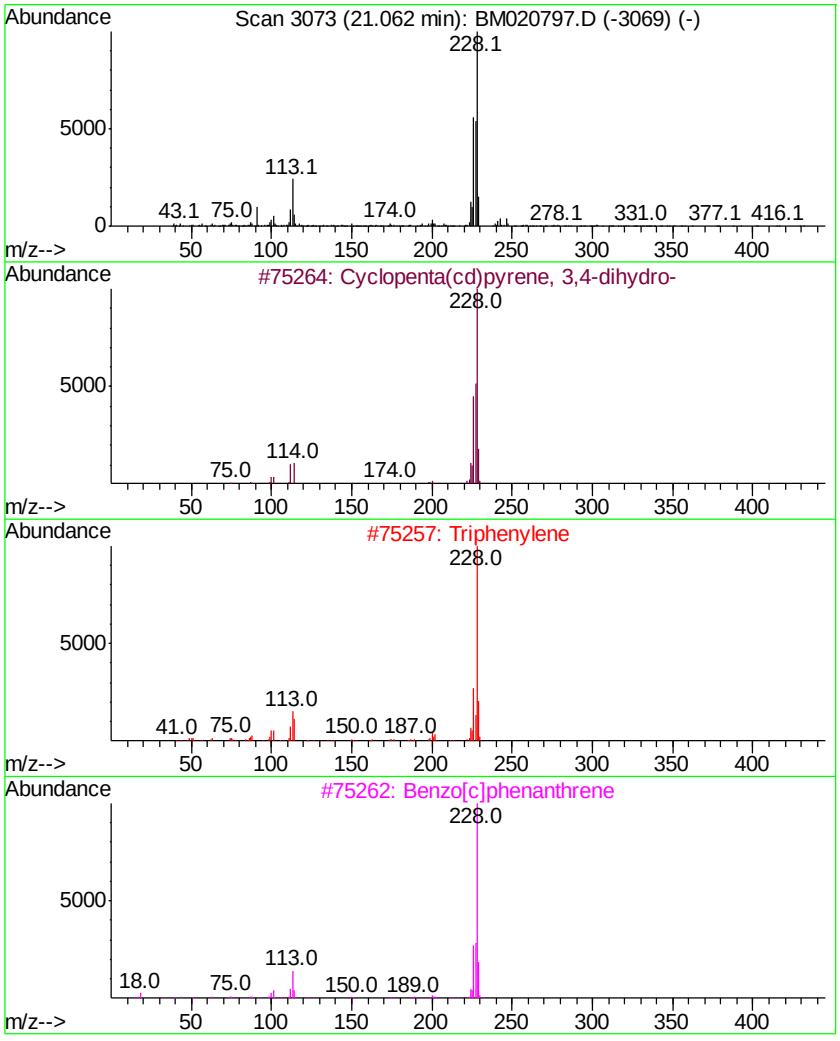
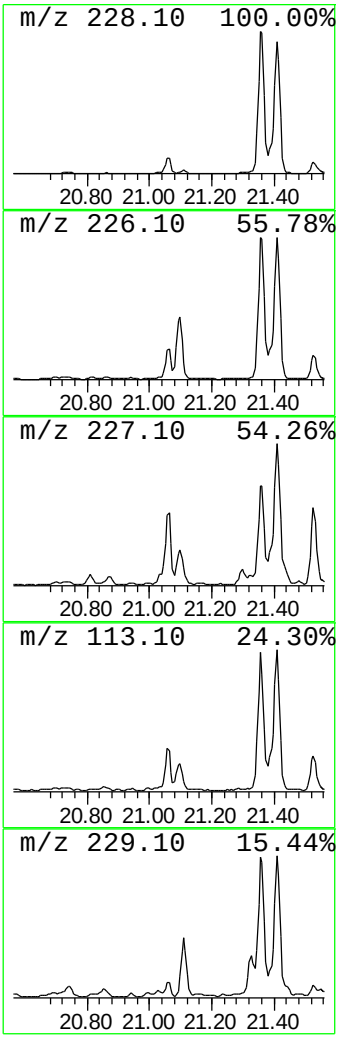
Peak Number 19 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	2.50 ng/ul	1429230	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
2	Triphenylene	228	C18H12	000217-59-4	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
4	Benz[a]anthracene	228	C18H12	000056-55-3	43
5	Triphenylene	228	C18H12	000217-59-4	43





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Data File : BM020797.D
Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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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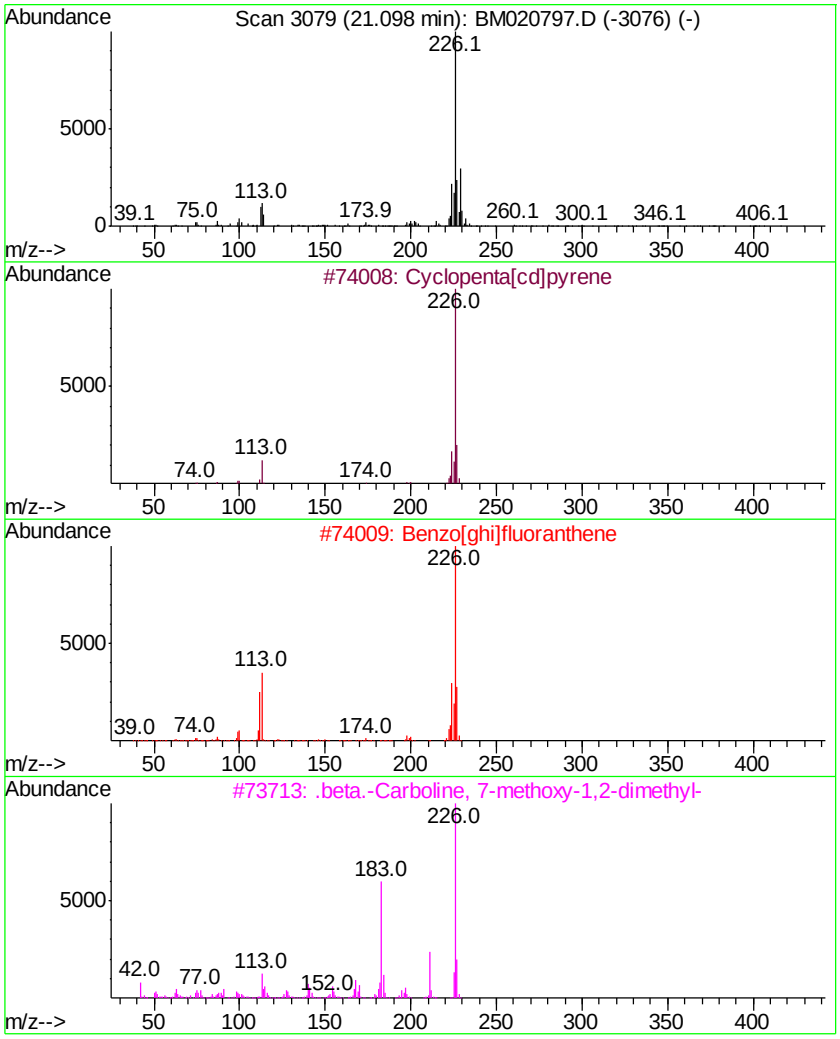
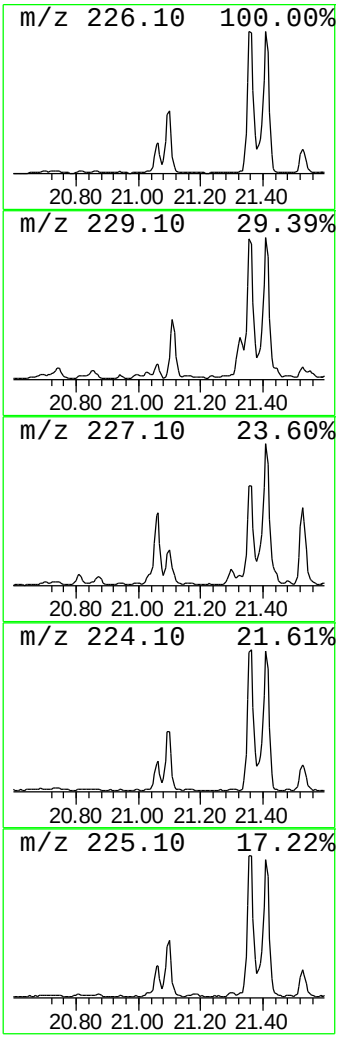
Peak Number 20 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	2.49 ng/ul	1422350	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	53
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
4	1-Bromo-2,4-dichlorobenzene	224	C6H3BrCl2	001193-72-2	47
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	47





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Data File : BM020797.D
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Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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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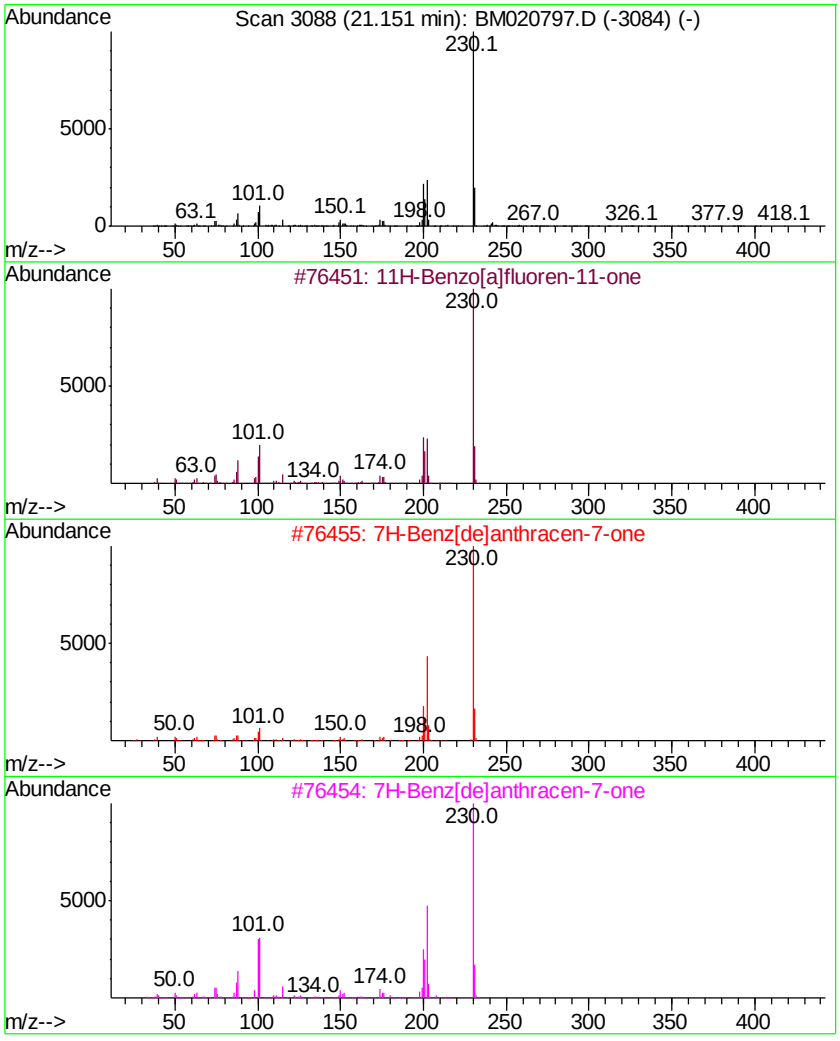
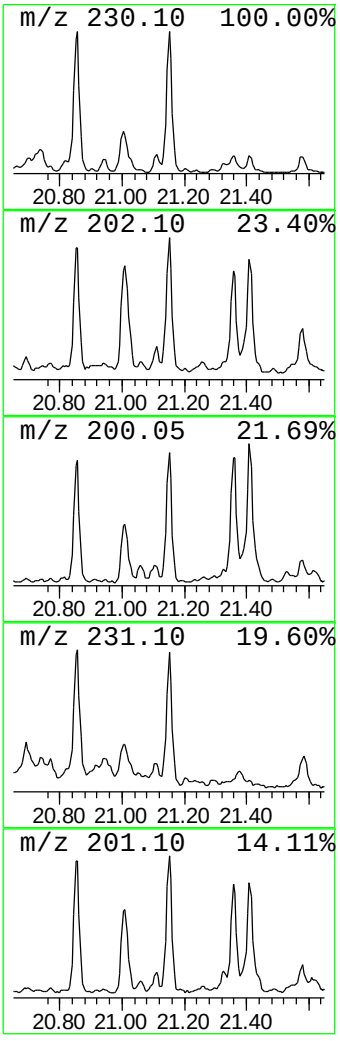
Peak Number 21 7H-Benz[de]anthracen-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.15	2.42 ng/ul	1384170	Chrysene-d12	21.37

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	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM060719\
Data File : BM020797.D
Acq On : 07 Jun 2019 10:52
Operator : HP/JU
Sample : K3201-18 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC9

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	15.9	ng/ul	1410320	1	7.81	1771500	20.0
9H-Fluoren-9-one	16.85	2.1	ng/ul	435523	4	17.19	4200080	20.0
Dibenzothiophene	17.02	2.1	ng/ul	438638	4	17.19	4200080	20.0
Phenanthrene, 1-m...	18.07	6.6	ng/ul	1382520	4	17.19	4200080	20.0
Phenanthrene, 2-m...	18.12	8.1	ng/ul	1701470	4	17.19	4200080	20.0
Anthracene, 2-met...	18.20	2.8	ng/ul	595933	4	17.19	4200080	20.0
4H-Cyclopenta[def...	18.26	10.2	ng/ul	2137820	4	17.19	4200080	20.0
Phenanthrene, 4-m...	18.30	3.7	ng/ul	769827	4	17.19	4200080	20.0
2-Phenylnaphthalene	18.57	4.3	ng/ul	900001	4	17.19	4200080	20.0
9,10-Anthracenedione	18.61	4.0	ng/ul	842334	4	17.19	4200080	20.0
Phenanthrene, 2,5...	18.99	5.5	ng/ul	1145230	4	17.19	4200080	20.0
unknown-01	19.05	3.1	ng/ul	657796	4	17.19	4200080	20.0
Cyclopenta(def)ph...	19.13	4.4	ng/ul	925844	4	17.19	4200080	20.0
Pyrene, 1-methyl-	19.93	3.3	ng/ul	1869410	5	21.37	11422500	20.0
11H-Benzo[b]fluorene	20.10	2.8	ng/ul	1586470	5	21.37	11422500	20.0
Pyrene, 2-methyl-	20.26	2.5	ng/ul	1417840	5	21.37	11422500	20.0
11H-Benzo[a]fluor...	20.86	2.3	ng/ul	1318420	5	21.37	11422500	20.0
Benzo[b]naphtho[2...	21.02	2.6	ng/ul	1497670	5	21.37	11422500	20.0
Cyclopenta(cd)pyr...	21.06	2.5	ng/ul	1429230	5	21.37	11422500	20.0
Cyclopenta[cd]pyrene	21.10	2.5	ng/ul	1422350	5	21.37	11422500	20.0
7H-Benz[de]anthra...	21.15	2.4	ng/ul	1384170	5	21.37	11422500	20.0