

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021020\
 Data File : BM024829.D
 Acq On : 11 Feb 2020 03:41
 Operator : CG/JU
 Sample : L1424-22
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C5B30

Manual Integrations
 APPROVED

mohammad
 2/13/2020 10:29:20 AM

Quant Time: Feb 11 12:01:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 11 03:46:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	273433	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1044750	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	737068	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.83	188	1404459	20.00	ng/ul	0.02
78) Chrysene-d12	21.02	240	1439870	20.00	ng/ul	0.00
86) Perylene-d12	23.12	264	1545792	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.01	96	28995	5.10	ng/uL	0.00
5) Phenol-d5	6.60	99	151036	8.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	339481	33.09	ng/ul	0.00
9) 2-Chlorophenol-d4	6.95	132	447569	27.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	291963	19.05	ng/ul	0.00
19) Nitrobenzene-d5	8.54	128	299649	39.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.26	143	312617	35.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	536258	29.78	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.49	166	1741148	31.29	ng/ul	0.00
47) Acenaphthylene-d8	13.75	160	2092900	32.21	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	94926	10.50	ng/ul	0.00
58) Fluorene-d10	15.06	176	1563061	31.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.20	200	234406m	25.60	ng/ul	0.01
71) Anthracene-d10	16.92	188	2348709	36.63	ng/ul	0.01
79) Pyrene-d10	19.22	212	2541553	35.29	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2816744	36.28	ng/ul	0.00
Target Compounds						
10) 2-Chlorophenol	6.97	128	16949	1.022	ng/ul	91
16) 4-Methylphenol	8.18	108	22641	1.413	ng/ul	97
27) 2,4-Dichlorophenol	9.82	162	77262m	4.344	ng/ul	
28) Naphthalene	10.22	128	15170768	284.201	ng/ul	98
34) 2-Methylnaphthalene	11.85	142	6925896	176.137	ng/ul	100
39) 2,4,6-Trichlorophenol	12.47	196	49516	3.086	ng/ul	98
40) 2,4,5-Trichlorophenol	12.54	196	714757	42.625	ng/ul	100
41) 1,1'-Biophenyl	12.88	154	1583559	29.103	ng/ul	98
50) Acenaphthene	14.12	153	794912	17.489	ng/ul	96
54) Dibenzofuran	14.46	168	803645	11.862	ng/ul#	82
56) 2,3,4,6-Tetrachlorophenol	14.71	232	1782998	108.817	ng/ul#	98
59) Fluorene	15.12	166	1292276	23.143	ng/ul#	93
69) Pentachlorophenol	16.51	266	32254060m	2591.687	ng/ul	
70) Phenanthrene	16.87	178	5389721	70.382	ng/ul	98
72) Anthracene	16.96	178	608445m	7.834	ng/ul	
77) Fluoranthene	18.89	202	440894	4.690	ng/ul#	94
80) Pyrene	19.25	202	699345	7.338	ng/ul	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

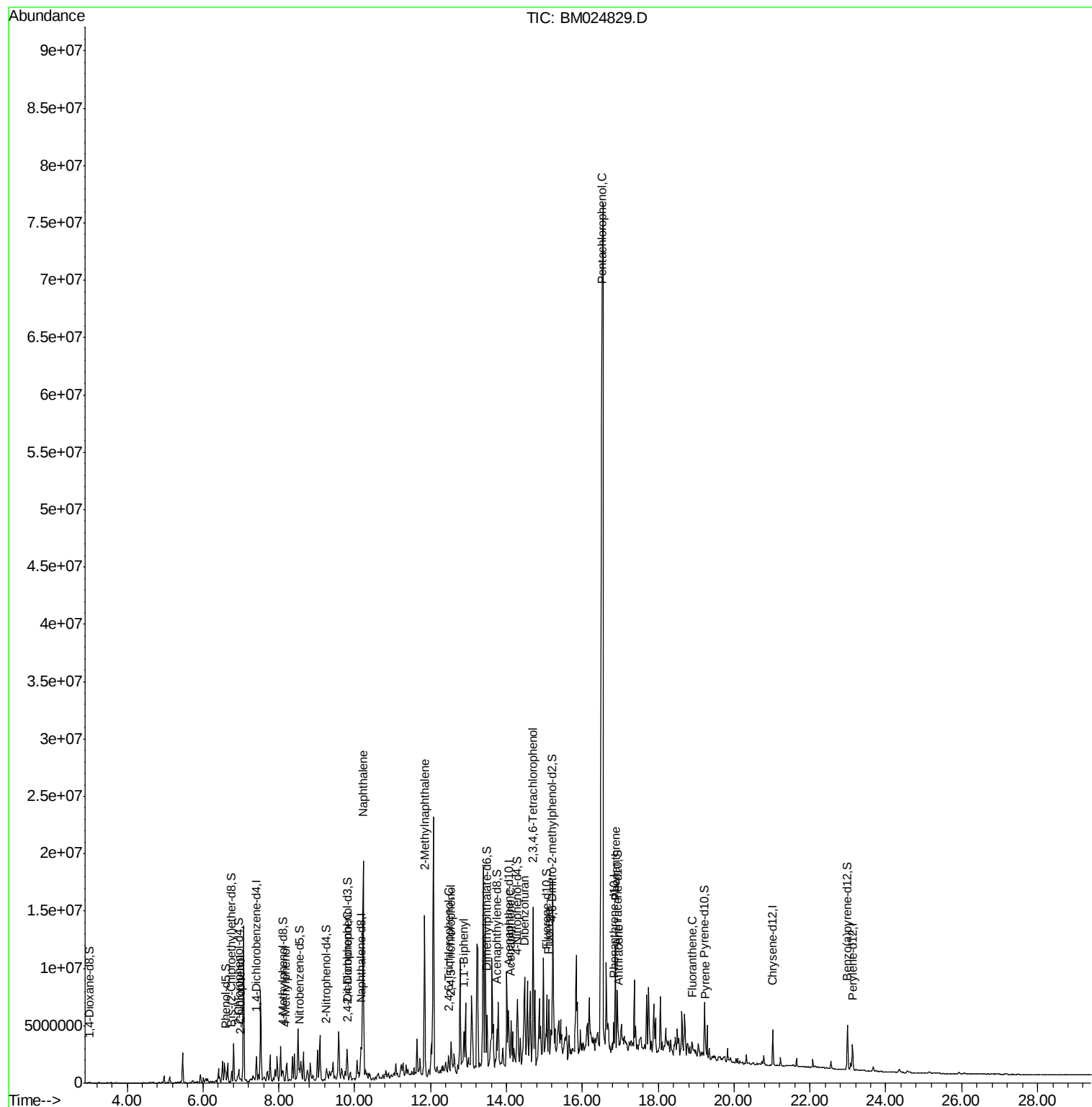
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021020\
Data File : BM024829.D
Acq On : 11 Feb 2020 03:41
Operator : CG/JU
Sample : L1424-22
Misc :
ALS Vial : 26 Sample Multiplier: 1

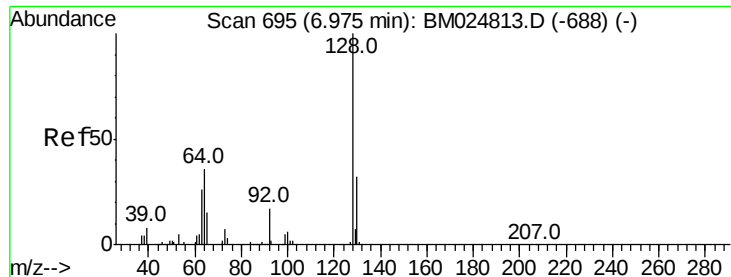
Instrument :
BNA_M
ClientSampleId :
C5B30

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Quant Time: Feb 11 12:01:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
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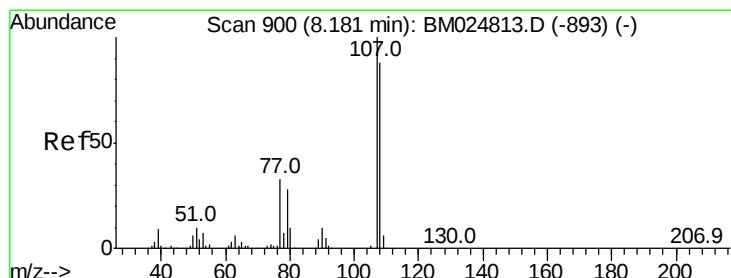
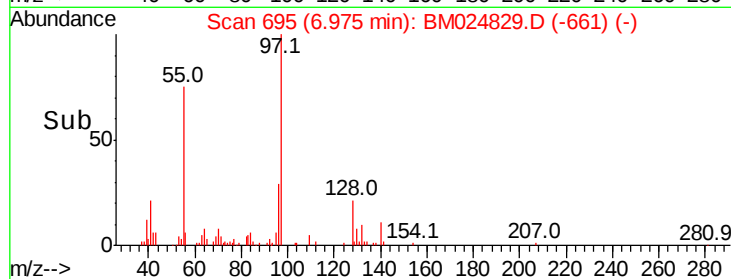
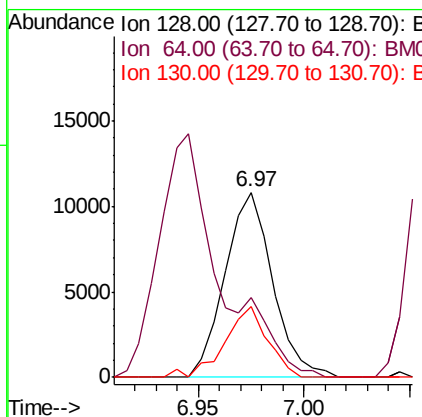
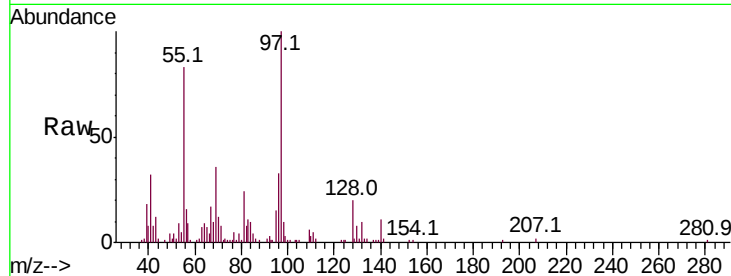
#10
2-Chlorophenol
Concen: 1.022 ng/ul
RT: 6.97 min Scan# 695
Delta R.T. 0.00 min
Lab File: BM024829.D
Acq: 11 Feb 2020 03:41

Instrument :
BNA_M
ClientSampleId :
C5B30

Tot Ion	Ratio	Lower	Upper
128	100		
64	43.2	31.1	46.7
130	38.4	26.1	39.1

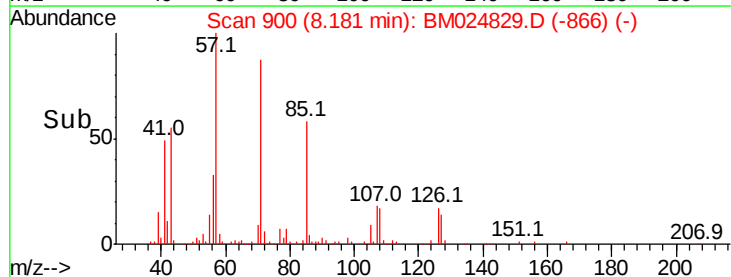
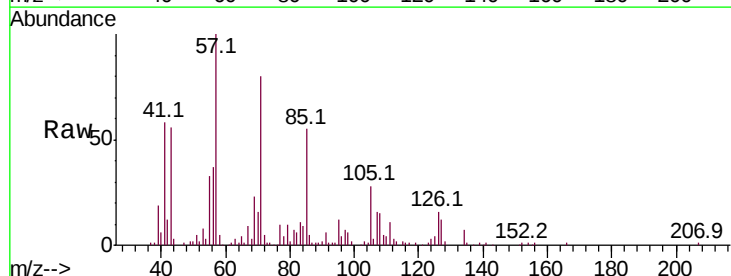
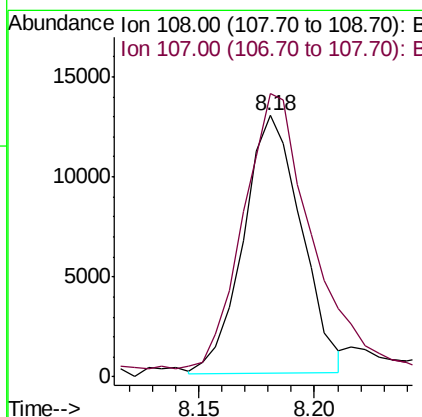
Manual Integrations
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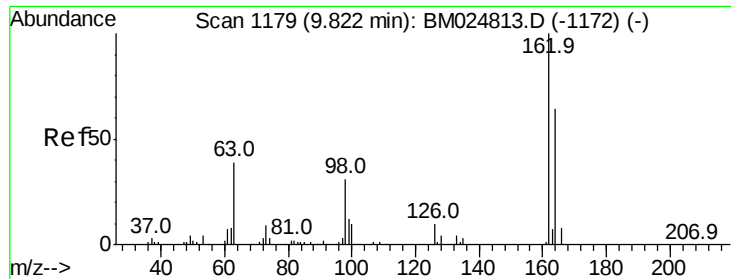
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#16
4-Methylphenol
Concen: 1.413 ng/ul
RT: 8.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BM024829.D
Acq: 11 Feb 2020 03:41

Tgt Ion	Ratio	Lower	Upper
108	100		
107	108.3	89.4	134.0





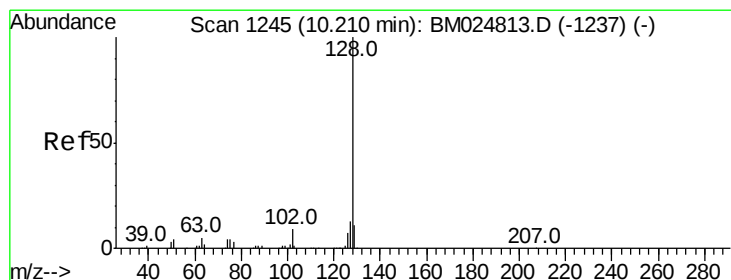
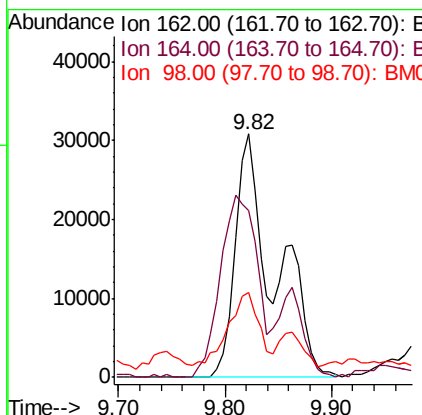
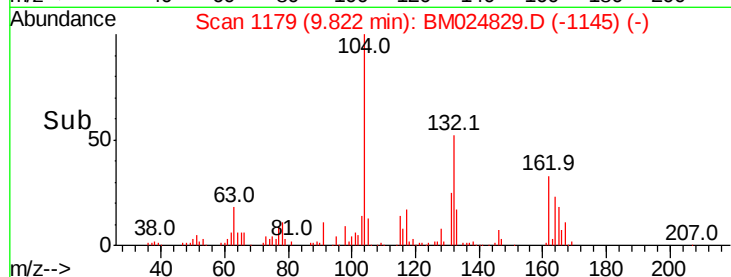
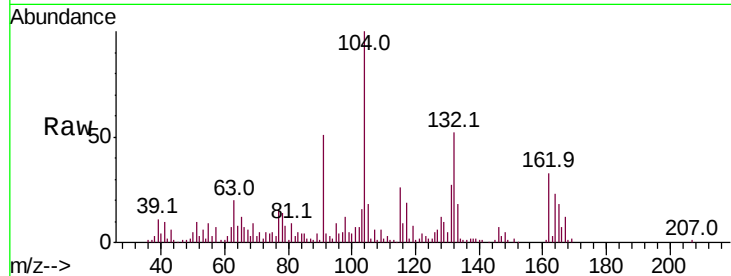
#27
2,4-Dichlorophenol
Concen: 4.344 ng/ul m
RT: 9.82 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BM024829.D
Acq: 11 Feb 2020 03:41

Instrument :
BNA_M
ClientSampled :
C5B30

Tot Ion	Ratio	Lower	Upper
162	100		
164	68.4	52.6	79.0
98	34.9	23.9	35.9

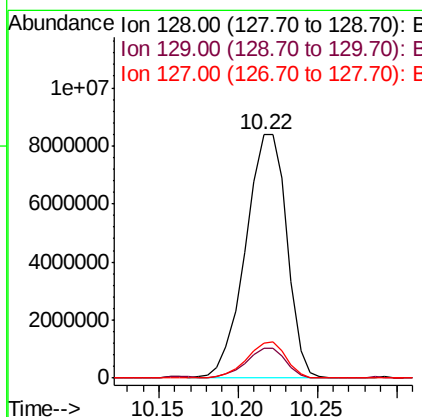
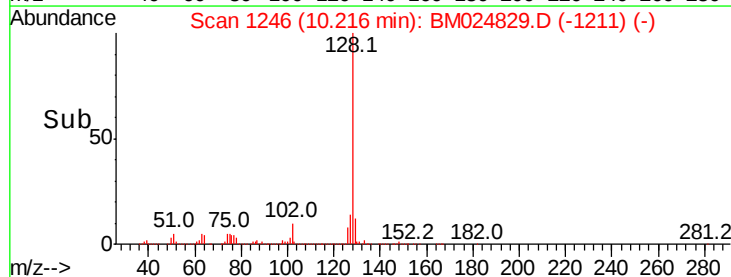
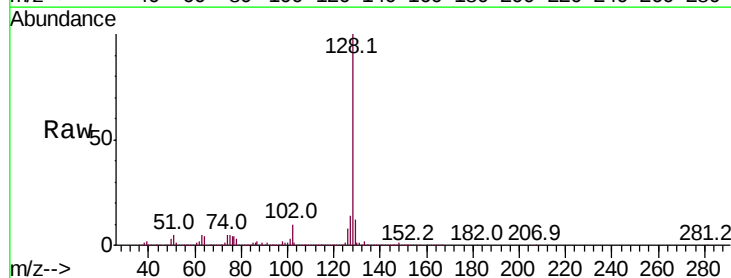
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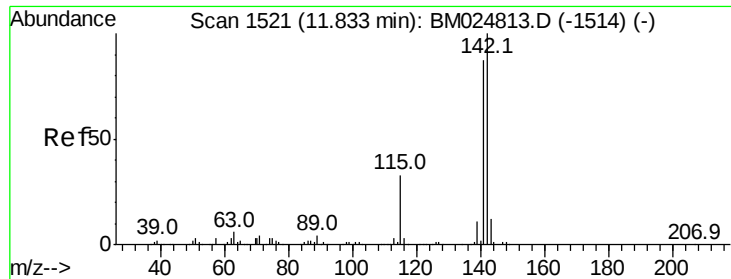
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#28
Naphthalene
Concen: 284.201 ng/ul
RT: 10.22 min Scan# 1246
Delta R.T. 0.01 min
Lab File: BM024829.D
Acq: 11 Feb 2020 03:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.1	13.7
127	14.1	10.4	15.6





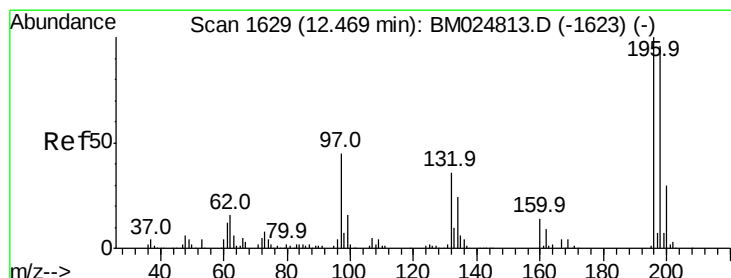
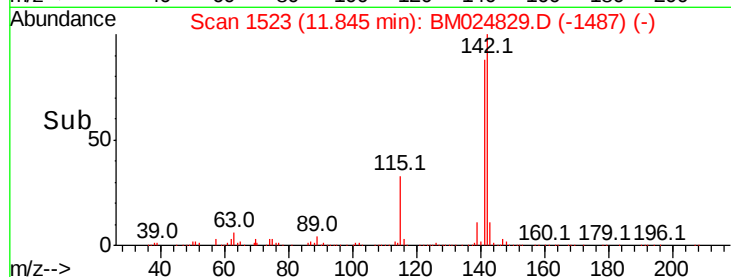
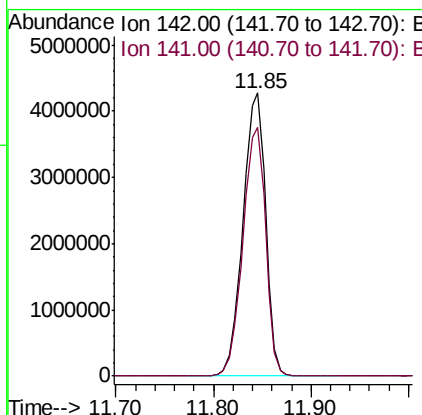
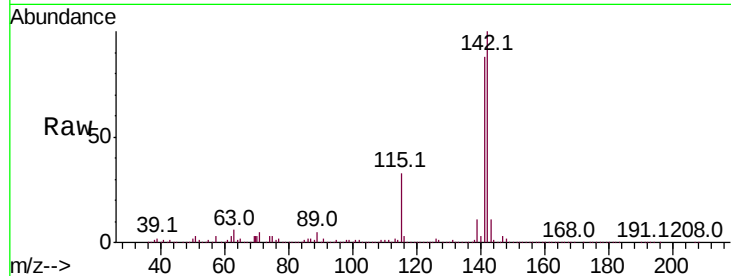
#34
 2-Methylnaphthalene
 Concen: 176.137 ng/ul
 RT: 11.85 min Scan# 1523
 Delta R.T. 0.01 min
 Lab File: BM024829.D
 Acq: 11 Feb 2020 03:41

Instrument :
 BNA_M
 ClientSampleID :
 C5B30

Tot Ion:142 Resp: 6925896
 Ion Ratio Lower Upper
 142 100
 141 88.1 70.5 105.7

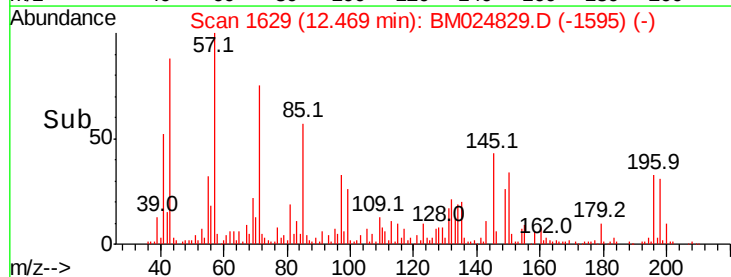
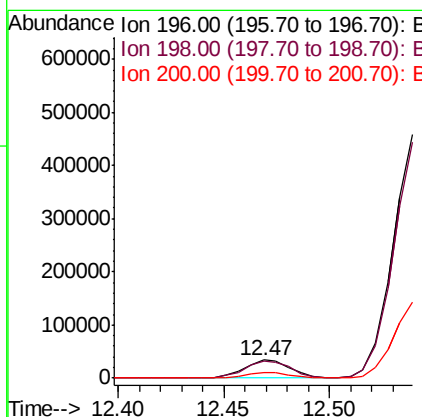
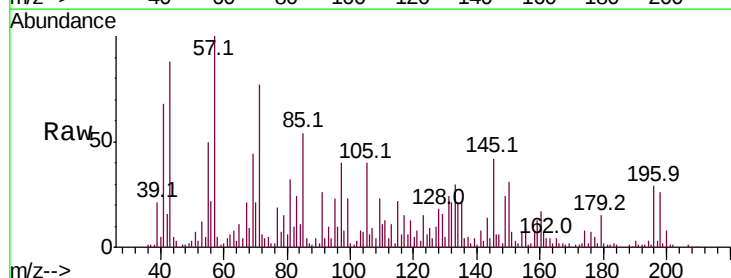
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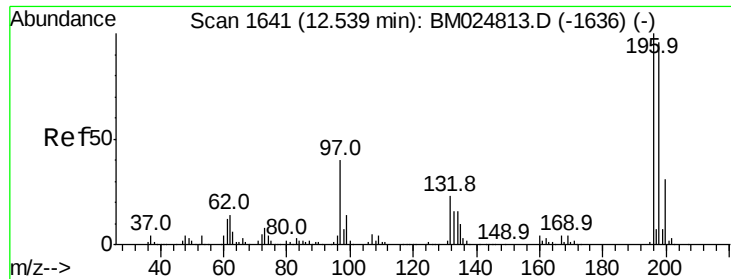
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#39
 2,4,6-Trichlorophenol
 Concen: 3.086 ng/ul
 RT: 12.47 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: BM024829.D
 Acq: 11 Feb 2020 03:41

Tgt Ion:196 Resp: 49516
 Ion Ratio Lower Upper
 196 100
 198 91.7 74.4 111.6
 200 29.5 26.0 39.0





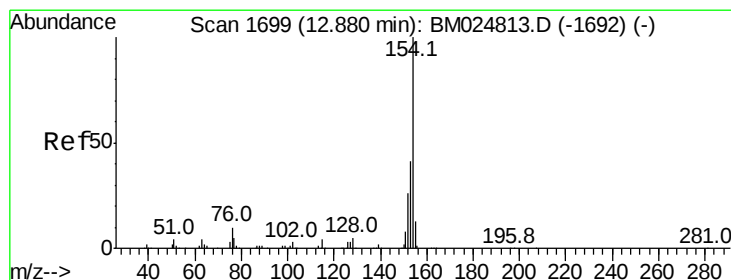
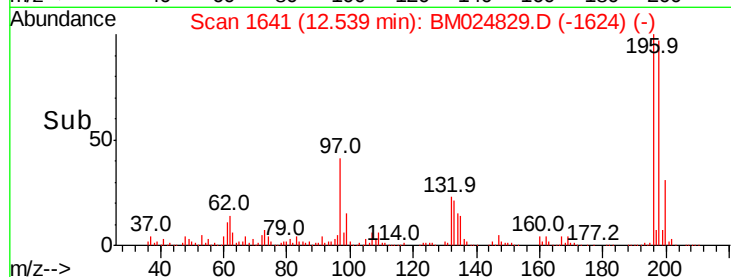
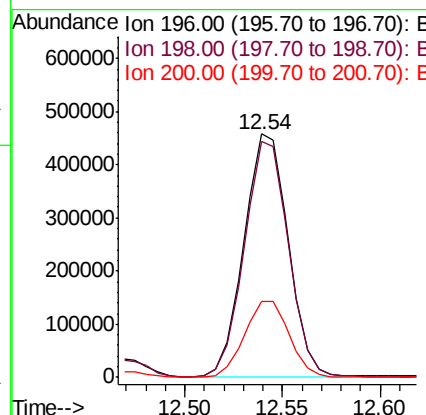
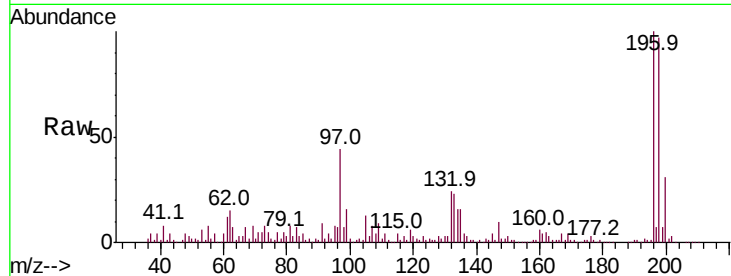
#40
 2,4,5-Trichlorophenol
 Concen: 42.625 ng/ul
 RT: 12.54 min Scan# 1641
 Delta R.T. 0.00 min
 Lab File: BM024829.D
 Acq: 11 Feb 2020 03:41

Instrument :
 BNA_M
 ClientSampleId :
 C5B30

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.4	116.2
200	31.0	24.5	36.7

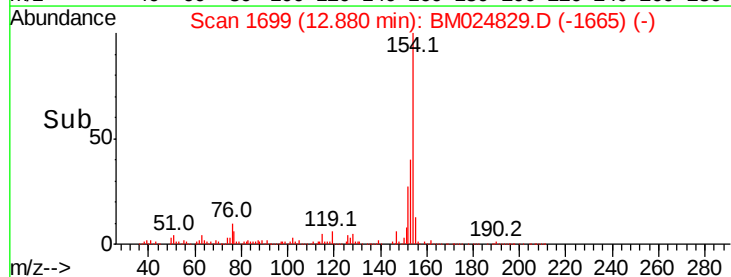
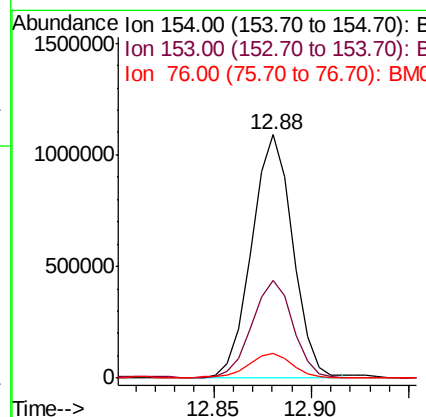
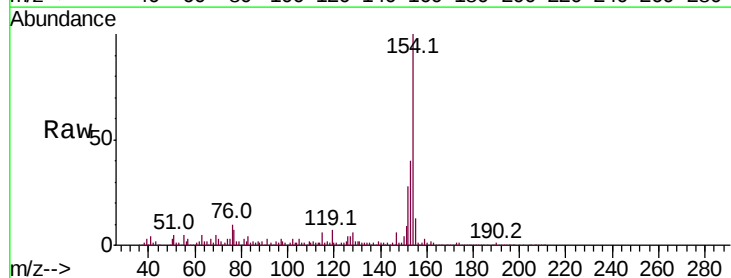
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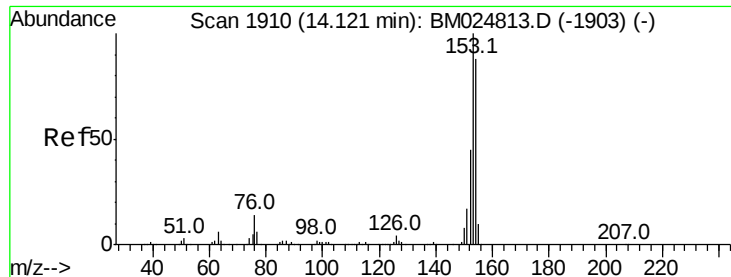
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#41
 1,1'-Biphenyl
 Concen: 29.103 ng/ul
 RT: 12.88 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: BM024829.D
 Acq: 11 Feb 2020 03:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	31.4	47.2
76	10.2	7.5	11.3





#50

Acenaphthene

Concen: 17.489 ng/ul

RT: 14.12 min Scan# 1910

Delta R.T. 0.00 min

Lab File: BM024829.D

Acq: 11 Feb 2020 03:41

Instrument :

BNA_M

ClientSampleId :

C5B30

Tot Ion:153 Resp: 794912

Ion Ratio Lower Upper

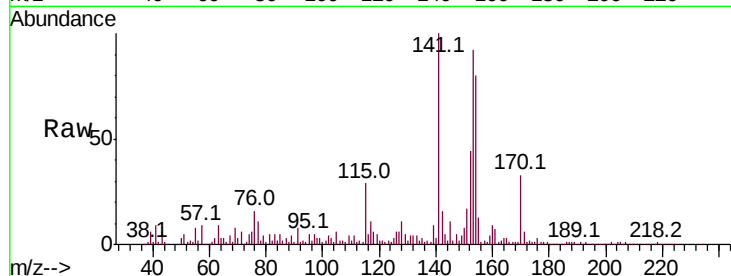
153 100

152 47.2 37.3 55.9

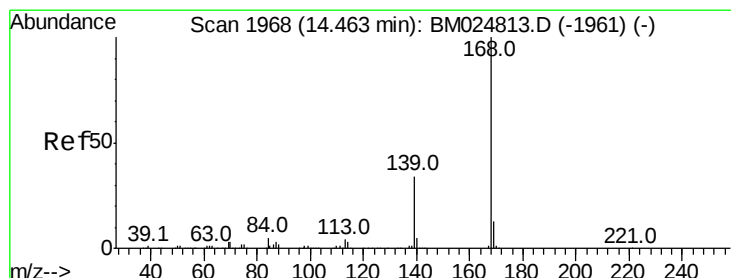
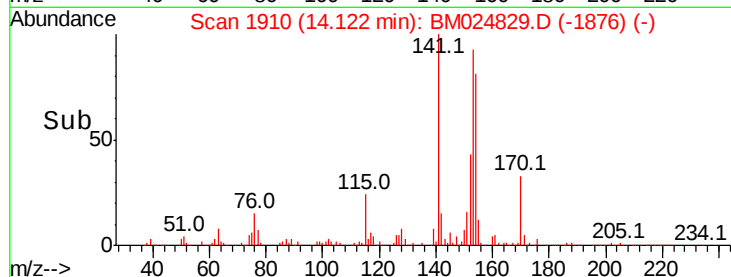
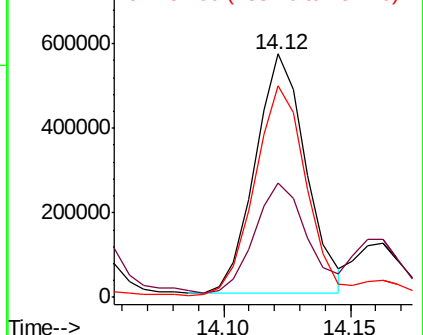
154 87.0 74.1 111.1

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 11.862 ng/ul

RT: 14.46 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BM024829.D

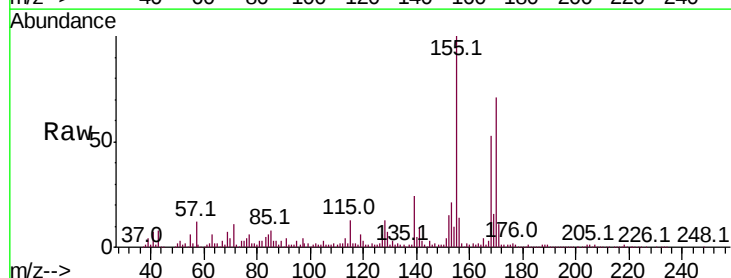
Acq: 11 Feb 2020 03:41

Tgt Ion:168 Resp: 803645

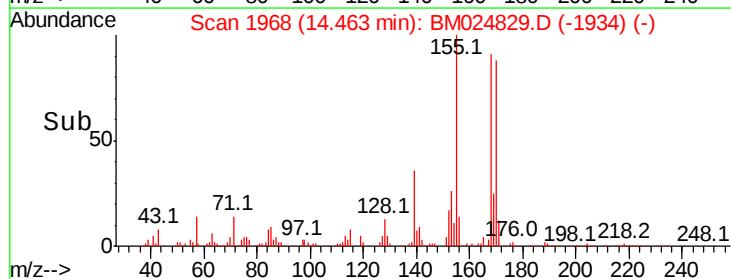
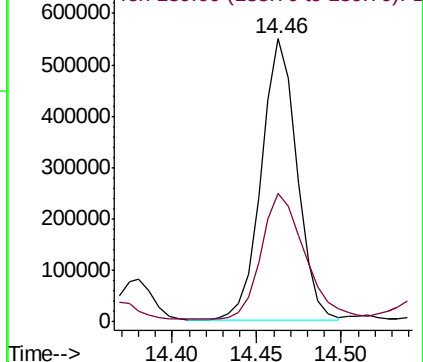
Ion Ratio Lower Upper

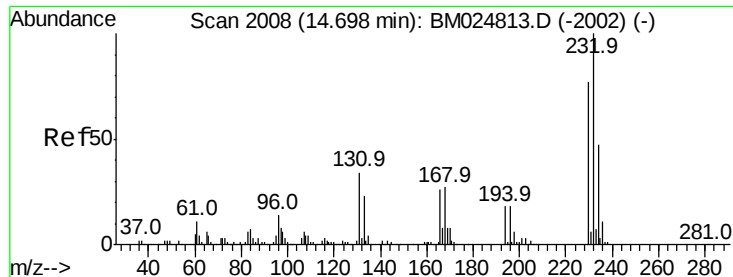
168 100

139 45.3 27.8 41.8#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#56

2,3,4,6-Tetrachlorophenol

Concen: 108.817 ng/ul

RT: 14.71 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BM024829.D

Acq: 11 Feb 2020 03:41

Instrument :

BNA_M

ClientSampled :

C5B30

Tot Ion:232 Resp: 1782998

Ion Ratio Lower Upper

232 100

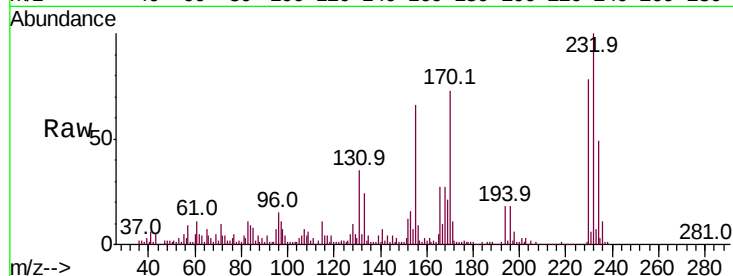
131 34.8 28.5 42.7

130 2.9 1.4 2.0#

166 27.4 22.7 34.1

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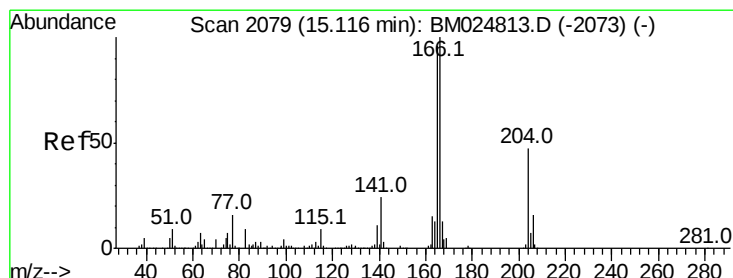
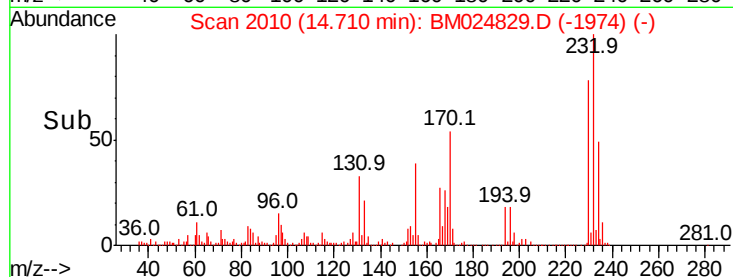
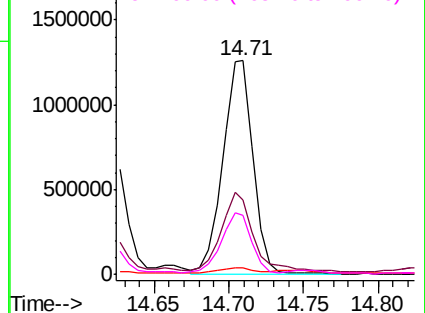
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59

Fluorene

Concen: 23.143 ng/ul

RT: 15.12 min Scan# 2080

Delta R.T. 0.01 min

Lab File: BM024829.D

Acq: 11 Feb 2020 03:41

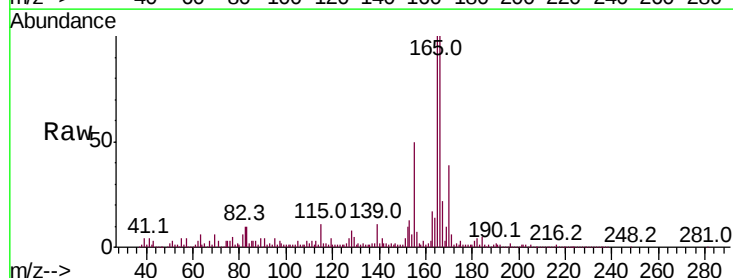
Tgt Ion:166 Resp: 1292276

Ion Ratio Lower Upper

166 100

165 99.8 75.8 113.8

167 22.2 10.6 16.0#

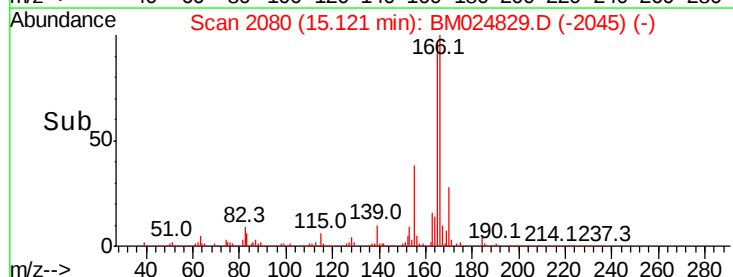
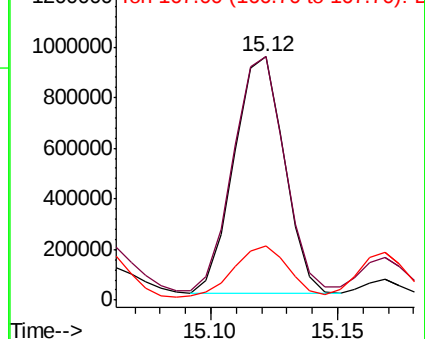


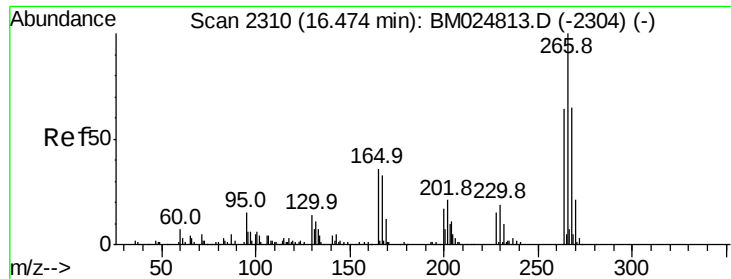
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





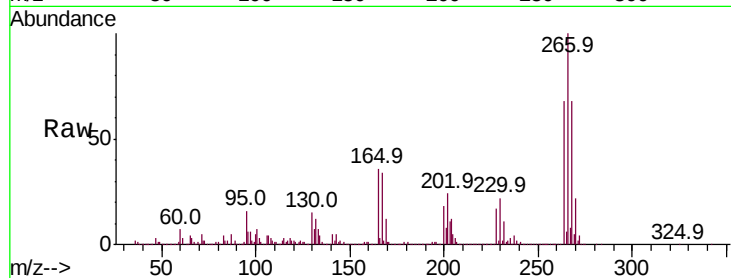
#69
 Pentachlorophenol
 Concen: 2591.687 ng/ul m
 RT: 16.51 min Scan# 2316
 Delta R.T. 0.04 min
 Lab File: BM024829.D
 Acq: 11 Feb 2020 03:41

Instrument :
 BNA_M
 ClientSampled :
 C5B30

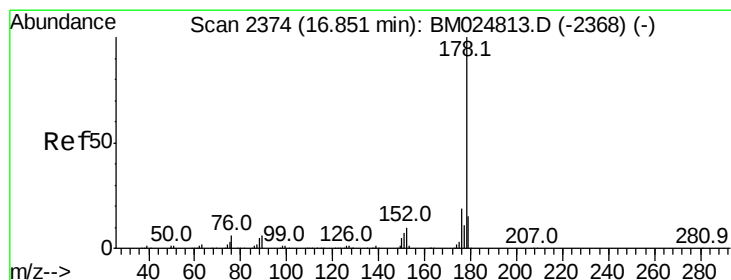
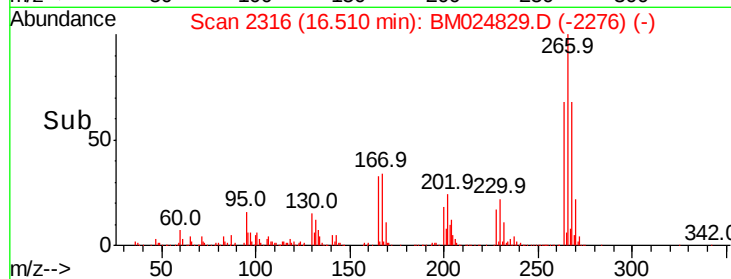
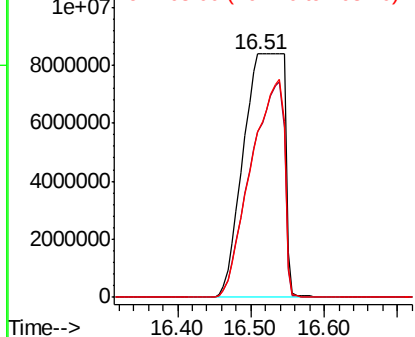
Tot Ion:266 Resp:32254060
 Ion Ratio Lower Upper
 266 100
 264 67.8 50.0 75.0
 268 67.9 50.4 75.6

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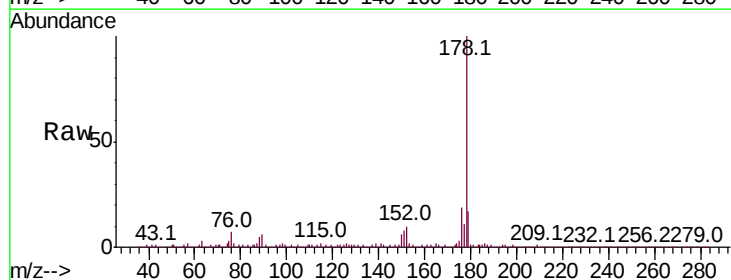


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

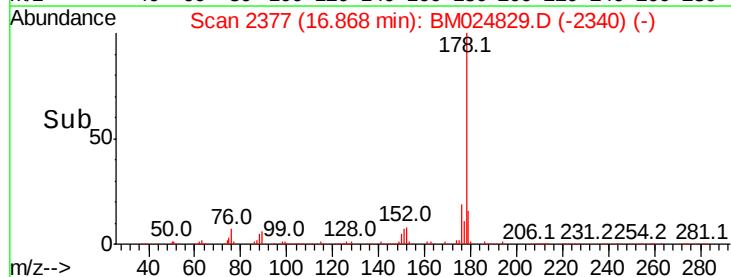
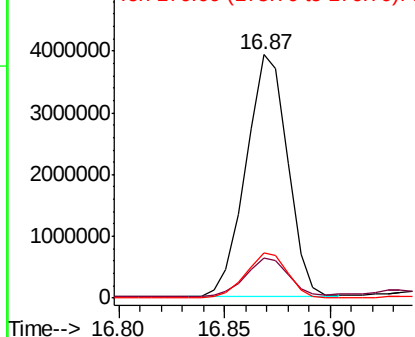


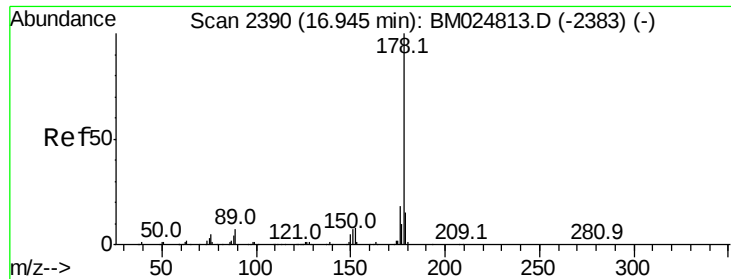
#70
 Phenanthrene
 Concen: 70.382 ng/ul
 RT: 16.87 min Scan# 2377
 Delta R.T. 0.02 min
 Lab File: BM024829.D
 Acq: 11 Feb 2020 03:41

Tgt Ion:178 Resp: 5389721
 Ion Ratio Lower Upper
 178 100
 179 16.5 12.2 18.2
 176 18.8 14.5 21.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 7.834 ng/ul

RT: 16.96 min Scan# 2392

Delta R.T. 0.01 min

Lab File: BM024829.D

Acq: 11 Feb 2020 03:41

Instrument :

BNA_M

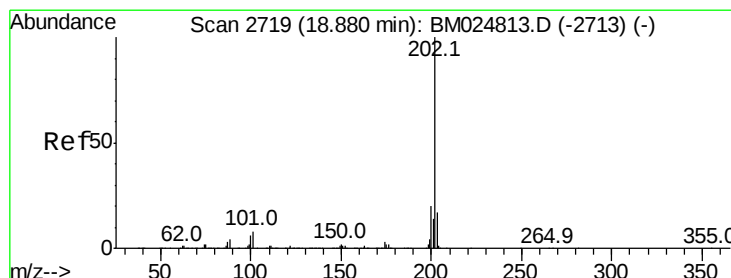
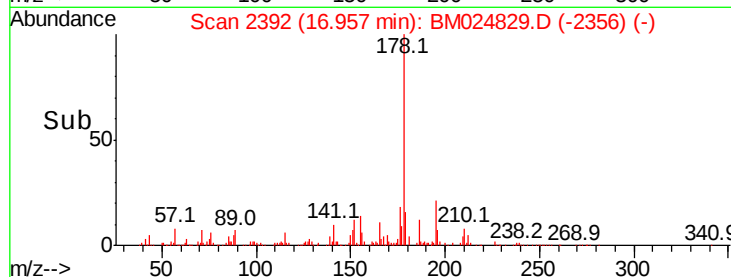
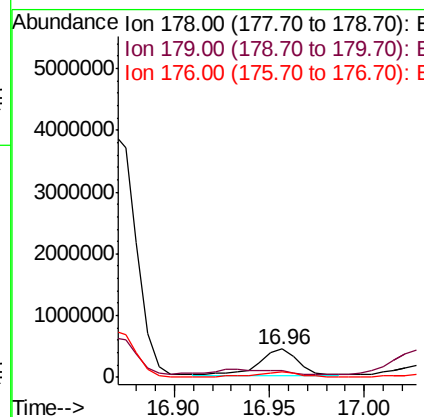
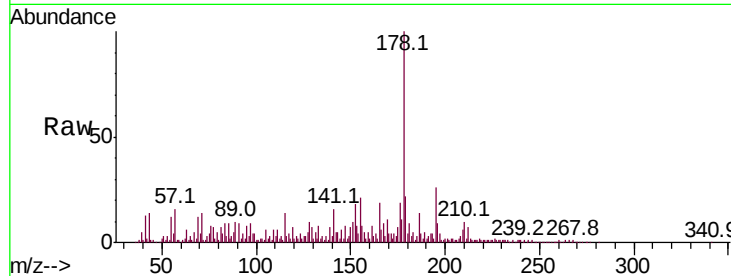
ClientSampled :

C5B30

Tot Ion:	178	Resp:	608445
Ion Ratio	Lower	Upper	
178	100		
179	22.2	12.3	18.5#
176	19.3	14.1	21.1

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#77

Fluoranthene

Concen: 4.690 ng/ul

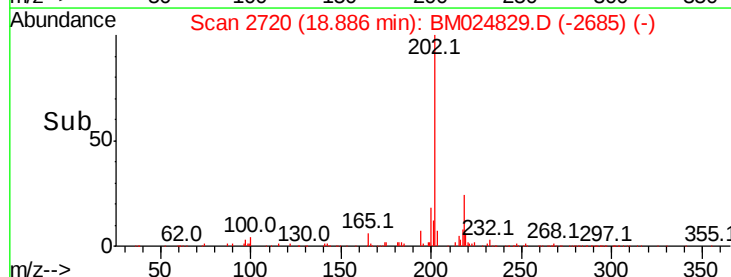
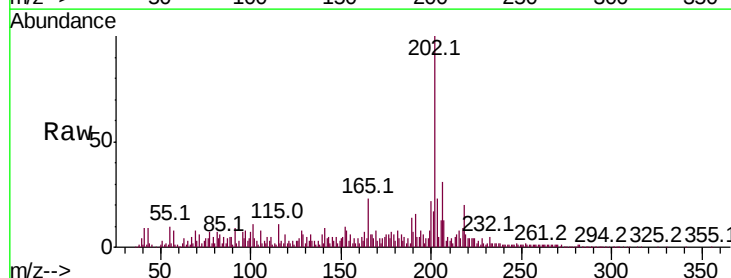
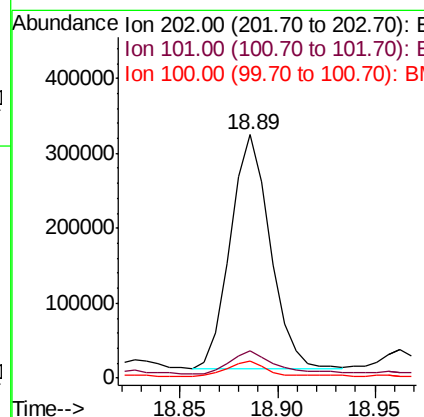
RT: 18.89 min Scan# 2720

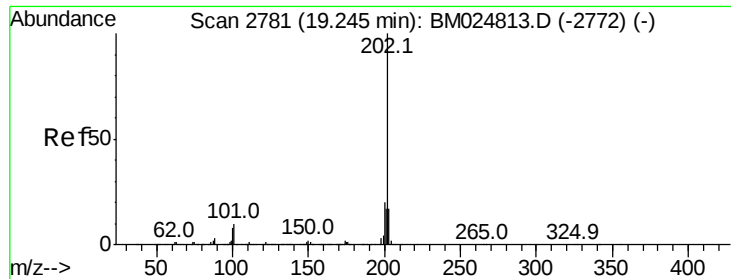
Delta R.T. 0.01 min

Lab File: BM024829.D

Acq: 11 Feb 2020 03:41

Tgt Ion:	202	Resp:	440894
Ion Ratio	Lower	Upper	
202	100		
101	11.0	6.1	9.1#
100	6.8	4.8	7.2





#80
 Pvrene
 Concen: 7.338 ng/ul
 RT: 19.25 min Scan# 2782
 Delta R.T. 0.01 min
 Lab File: BM024829.D
 Acq: 11 Feb 2020 03:41

Instrument :
 BNA_M
 ClientSampleId :
 C5B30

Tot Ion:	202	Resp:	699345
Ion Ratio	Lower	Upper	
202	100		
101	9.4	7.0	10.4
100	7.5	5.8	8.8

Manual Integrations
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