

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
 Data File : BM020429.D
 Acq On : 20 May 2019 13:30
 Operator : JU/SJ
 Sample : K2633-19DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 GAJB1DL

Manual Integrations
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 5/21/2019 8:27:58 AM

Quant Time: May 21 03:35:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 05:13:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	76843	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	284096	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	155566	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	360322	20.00	ng/ul	0.01
77) Chrysene-d12	21.34	240	355871	20.00	ng/ul	0.02
85) Perylene-d12	23.63	264	423217	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	835m	0.40	ng/uL	0.00
5) Phenol-d5	6.90	99	9206	1.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	5831	1.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	8662	1.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	3521	0.79	ng/ul	0.02
19) Nitrobenzene-d5	8.91	128	3132	1.69	ng/ul	0.01
22) 2-Nitrophenol-d4	9.62	143	3592	1.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	6801	1.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	4255	0.96	ng/ul	0.02
43) Dimethylphthalate-d6	13.80	166	28297	2.53	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	34546	2.47	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.39	176	24287	2.44	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.24	188	41118	2.66	ng/ul	0.00
78) Pyrene-d10	19.54	212	47225	2.76	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.47	264	47761	2.48	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.59	128	3255122	249.384	ng/ul	99
34) 2-Methylnaphthalene	12.20	142	721777	76.373	ng/ul	97
40) 1,1'-Biphenyl	13.22	154	128467	11.535	ng/ul	97
47) Acenaphthylene	14.11	152	254318	19.263	ng/ul	97
49) Acenaphthene	14.45	153	38709	4.265	ng/ul	98
53) Dibenzofuran	14.79	168	42026	3.058	ng/ul	97
58) Fluorene	15.44	166	267974	24.338	ng/ul	99
69) Phenanthrene	17.19	178	1458332	84.943	ng/ul	100
71) Anthracene	17.27	178	311863	17.857	ng/ul	100
76) Fluoranthene	19.21	202	587557	27.092	ng/ul	99
79) Pyrene	19.57	202	847584	39.681	ng/ul	97
82) Benzo(a)anthracene	21.33	228	303277	14.159	ng/ul	94
84) Chrysene	21.38	228	259578	12.681	ng/ul	97
87) Benzo(b)fluoranthene	22.94	252	215718m	8.931	ng/ul	
88) Benzo(k)fluoranthene	22.97	252	59569m	2.511	ng/ul	
90) Benzo(a)pyrene	23.52	252	239233	10.524	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.93	276	96799	3.737	ng/ul#	96
92) Dibenzo(a,h)anthracene	25.94	278	28856	1.303	ng/ul#	84
93) Benzo(g,h,i)perylene	26.66	276	88000	4.104	ng/ul	97

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

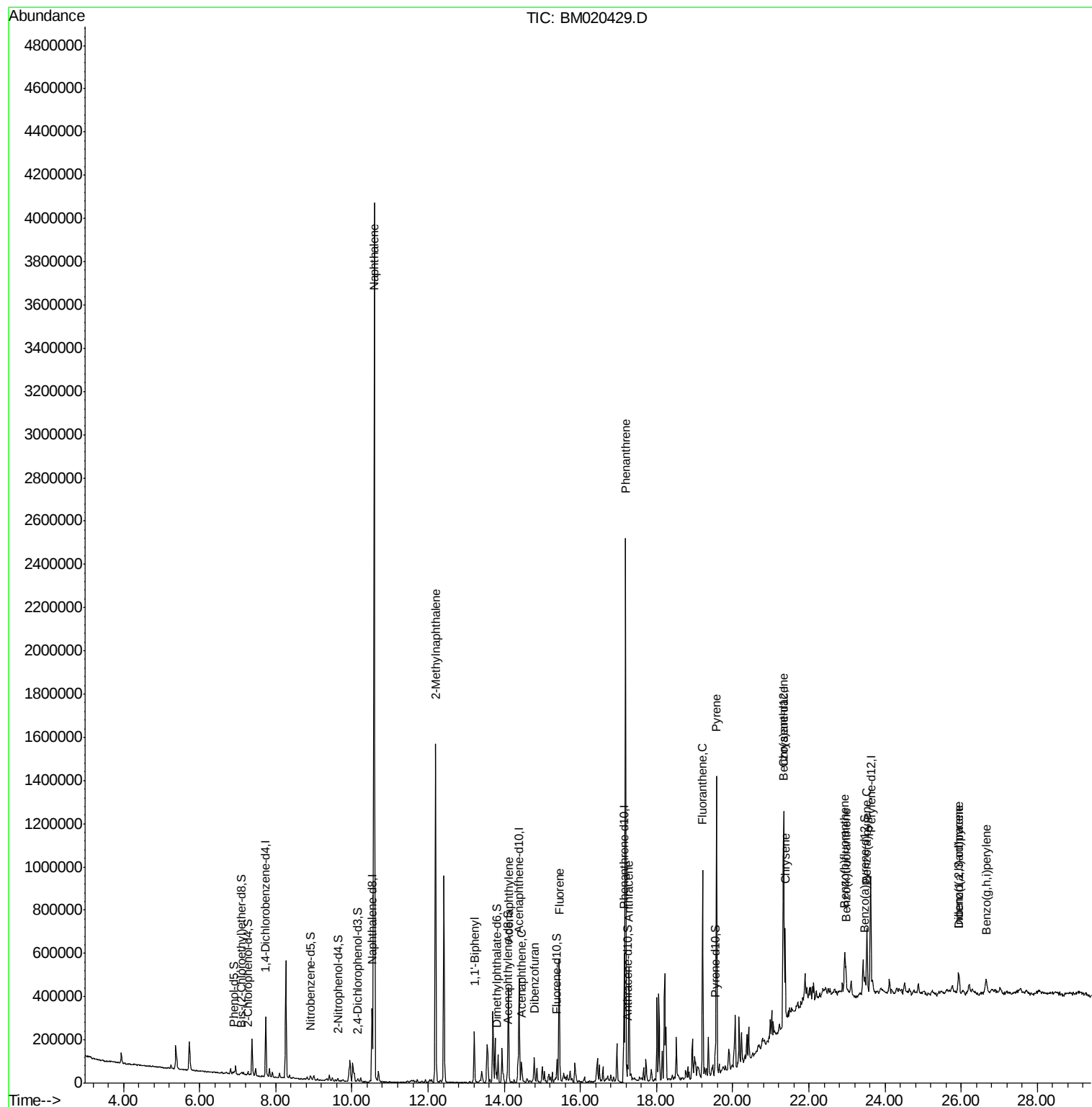
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
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ALS Vial : 8 Sample Multiplier: 1

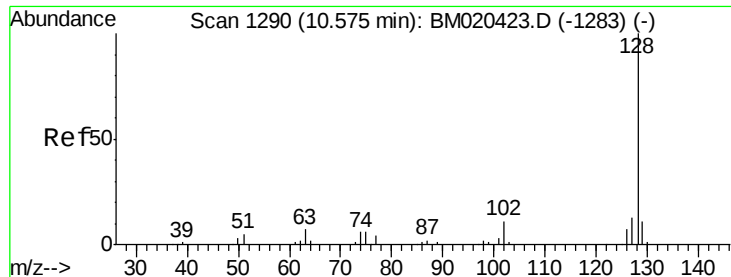
Instrument :
BNA_M
ClientSampleId :
GAJB1DL

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Quant Time: May 21 03:35:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
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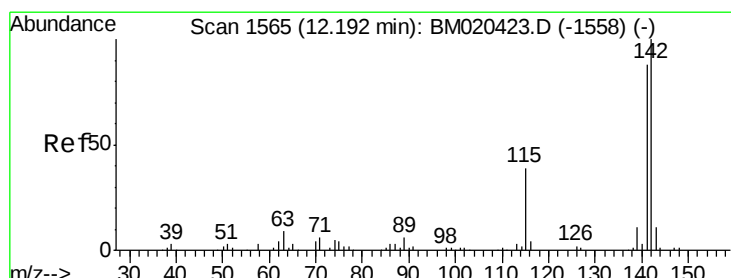
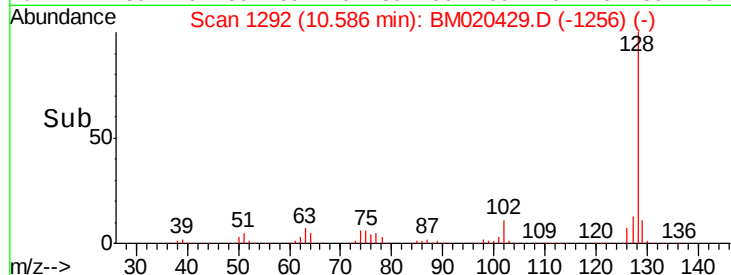
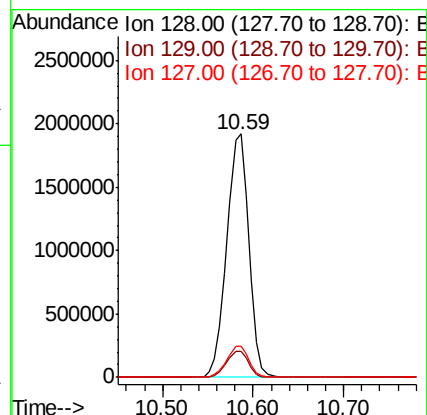
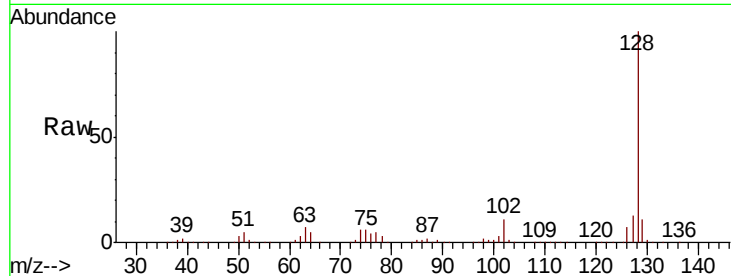
#28
Naphthalene
Concen: 249.384 ng/ul
RT: 10.59 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BM020429.D
Acq: 20 May 2019 13:30

Instrument :
BNA_M
ClientSampleID :
GAJB1DL

Tgt Ion:128 Resp: 3255122
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 12.8 10.6 15.8

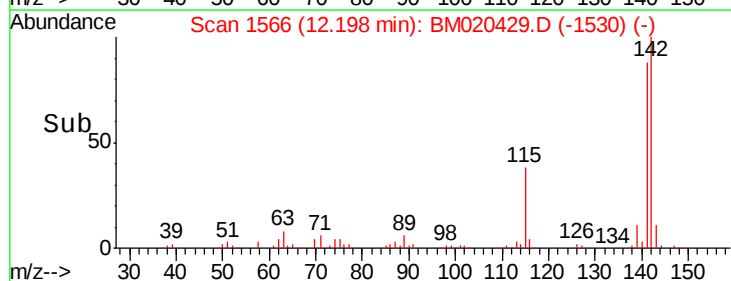
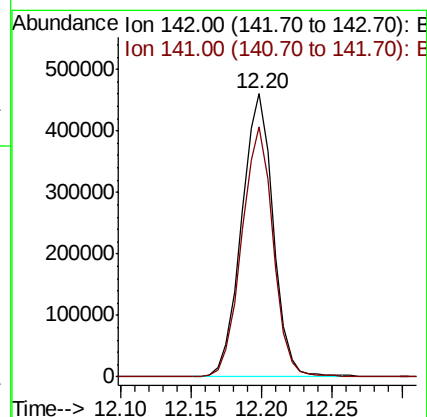
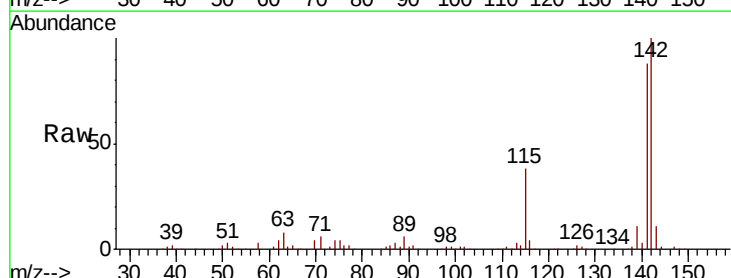
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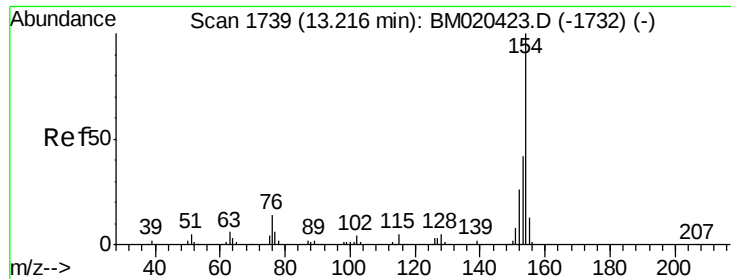
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#34
2-Methylnaphthalene
Concen: 76.373 ng/ul
RT: 12.20 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BM020429.D
Acq: 20 May 2019 13:30

Tgt Ion:142 Resp: 721777
Ion Ratio Lower Upper
142 100
141 88.2 68.6 102.8





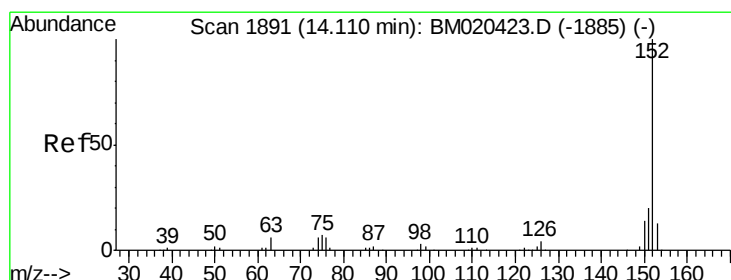
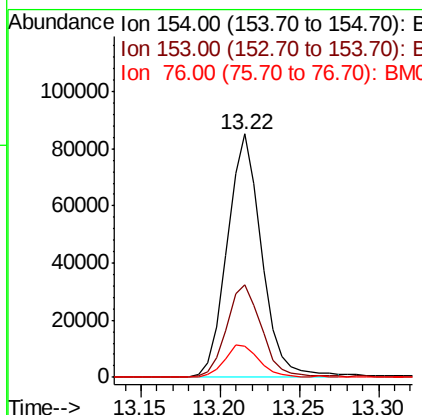
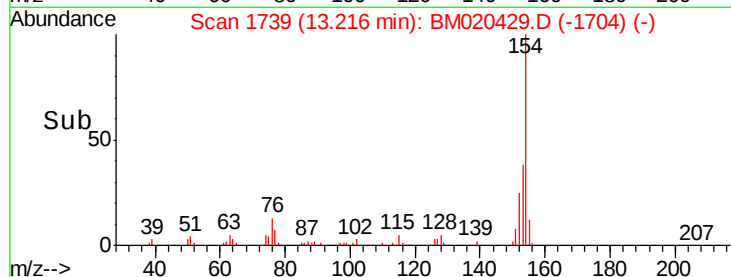
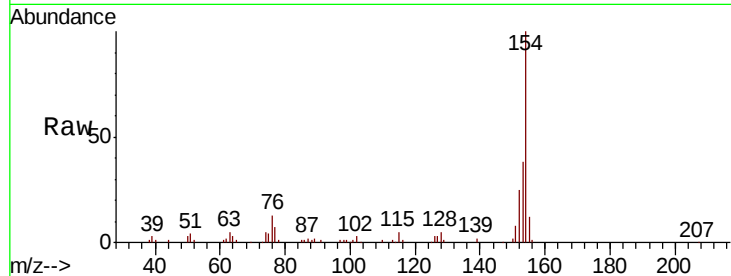
#40
1,1'-Biphenyl
Concen: 11.535 ng/ul
RT: 13.22 min Scan# 1739
Delta R.T. 0.01 min
Lab File: BM020429.D
Acq: 20 May 2019 13:30

Instrument :
BNA_M
ClientSampled :
GAJB1DL

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	128467		
153	38.2	32.2	48.4	
76	13.0	11.0	16.4	

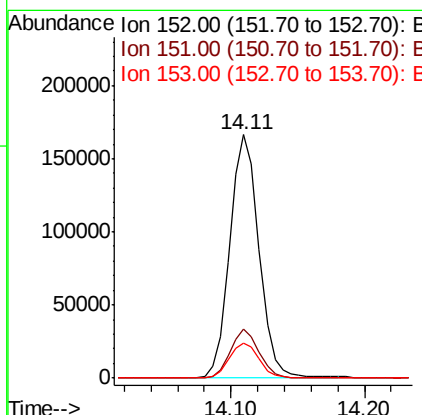
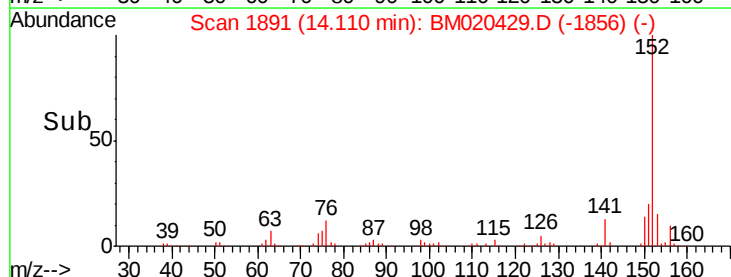
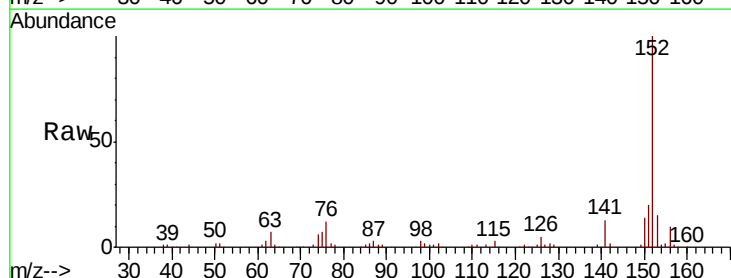
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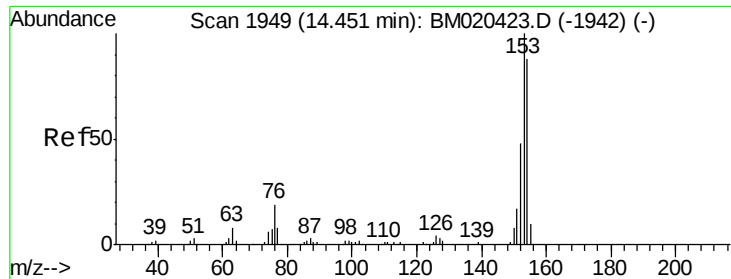
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#47
Acenaphthylene
Concen: 19.263 ng/ul
RT: 14.11 min Scan# 1891
Delta R.T. 0.01 min
Lab File: BM020429.D
Acq: 20 May 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	254318		
151	20.2	15.4	23.0	
153	14.5	10.3	15.5	





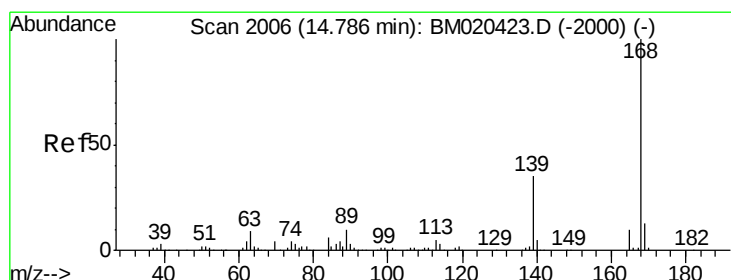
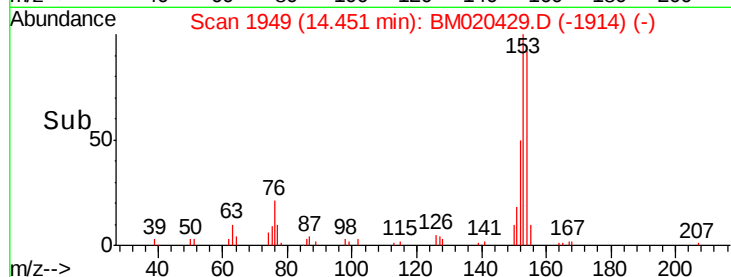
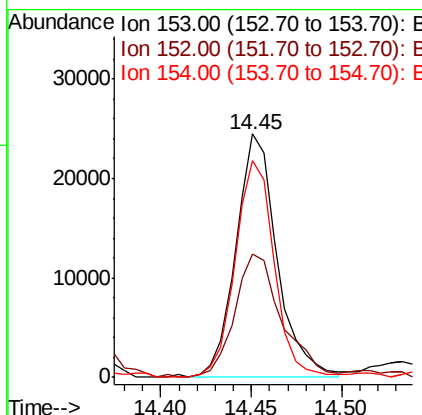
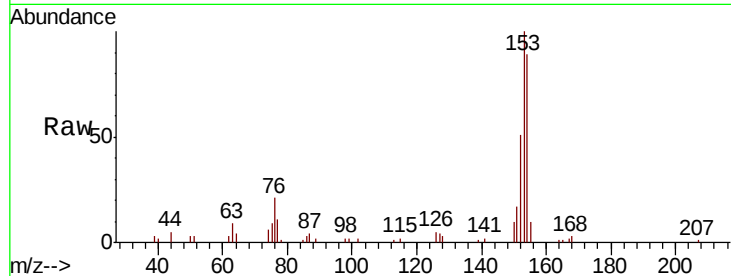
#49
Acenaphthene
Concen: 4.265 ng/ul
RT: 14.45 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BM020429.D
Acq: 20 May 2019 13:30

Instrument :
BNA_M
ClientSampleId :
GAJB1DL

Tgt Ion:153 Resp: 38709
Ion Ratio Lower Upper
153 100
152 50.6 37.9 56.9
154 89.1 71.2 106.8

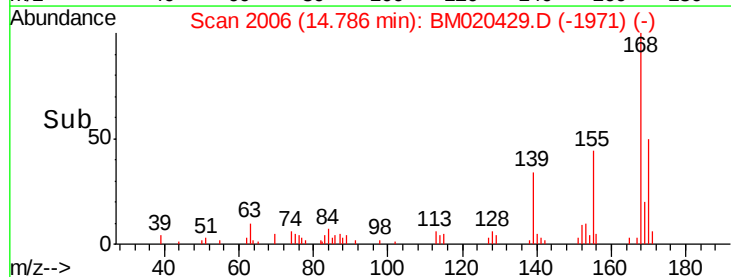
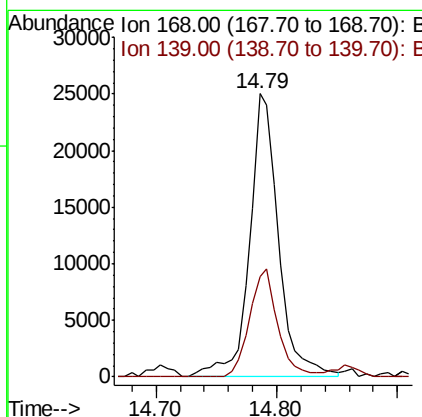
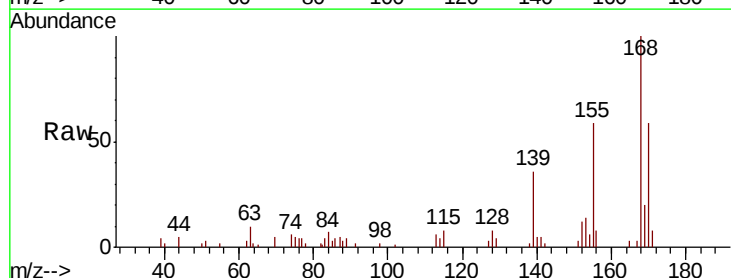
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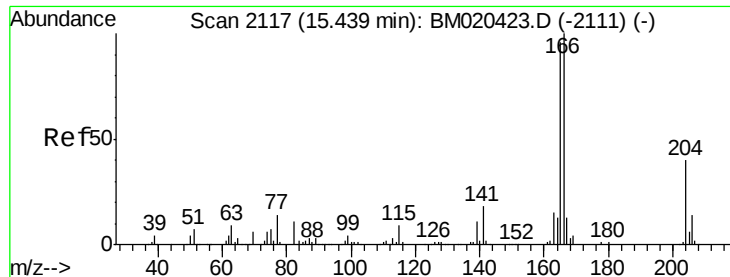
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#53
Dibenzofuran
Concen: 3.058 ng/ul
RT: 14.79 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BM020429.D
Acq: 20 May 2019 13:30

Tgt Ion:168 Resp: 42026
Ion Ratio Lower Upper
168 100
139 35.6 30.1 45.1





#58

Fluorene

Concen: 24.338 ng/ul

RT: 15.44 min Scan# 2117

Delta R.T. 0.01 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

Instrument :

BNA_M

ClientSampleId :

GAJB1DL

Tgt Ion:166 Resp: 267974

Ion Ratio Lower Upper

166 100

165 97.3 77.1 115.7

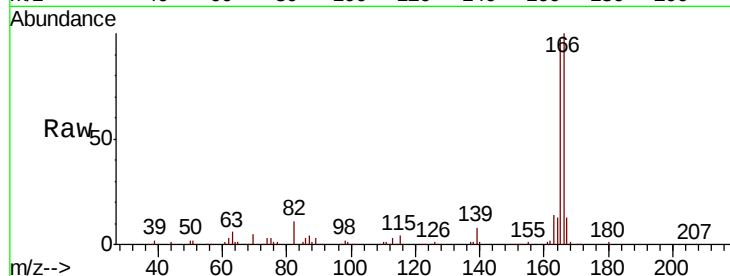
167 13.1 11.1 16.7

Manual Integrations

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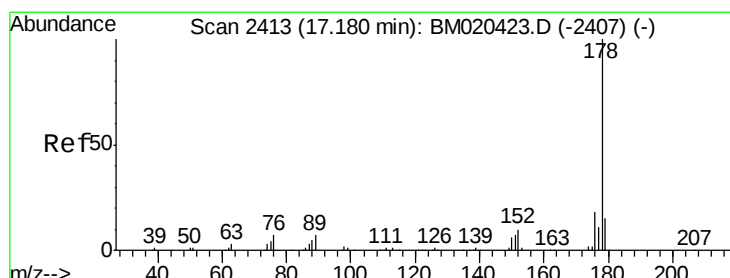
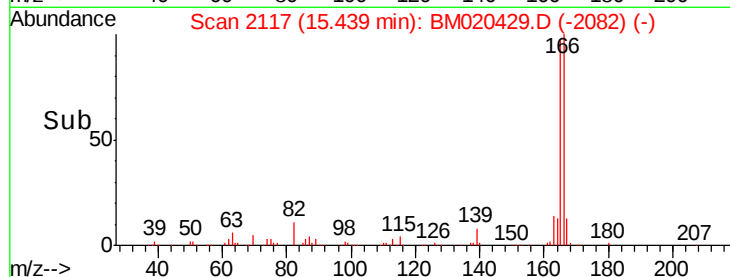
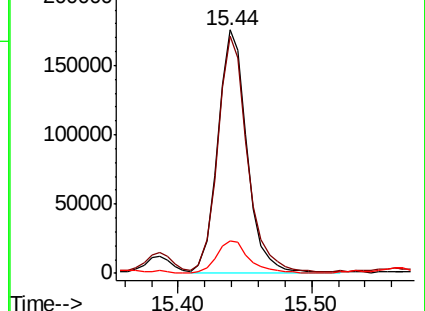
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 84.943 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. 0.01 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

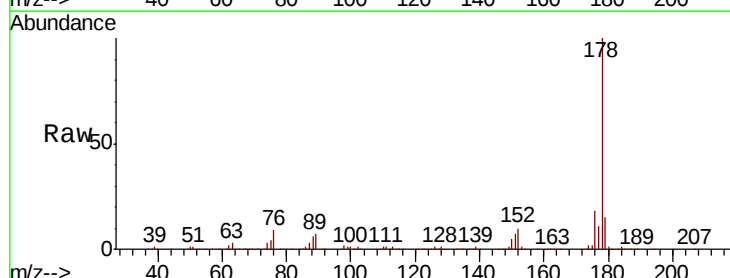
Tgt Ion:178 Resp: 1458332

Ion Ratio Lower Upper

178 100

179 14.9 11.9 17.9

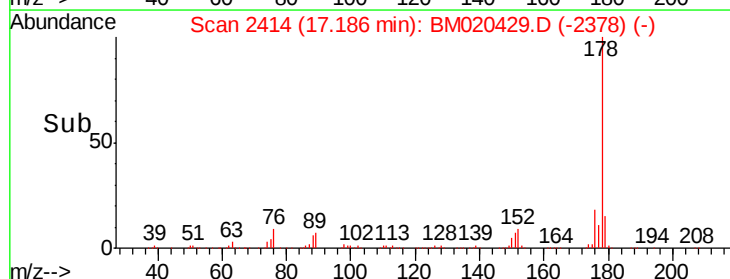
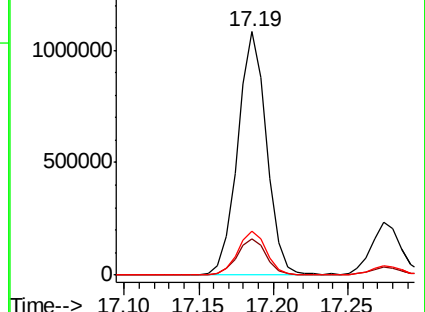
176 18.0 14.6 22.0

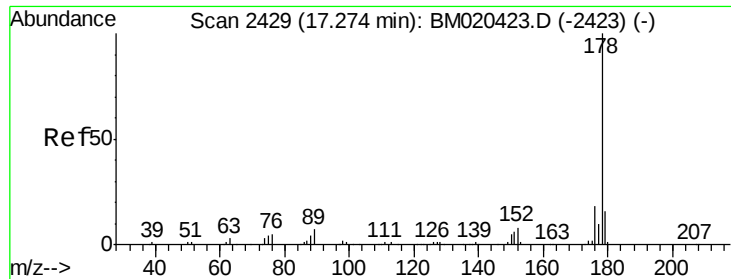


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





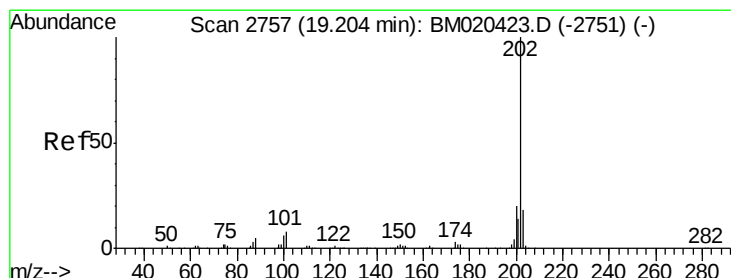
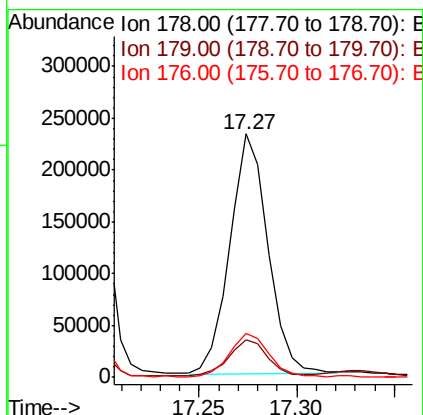
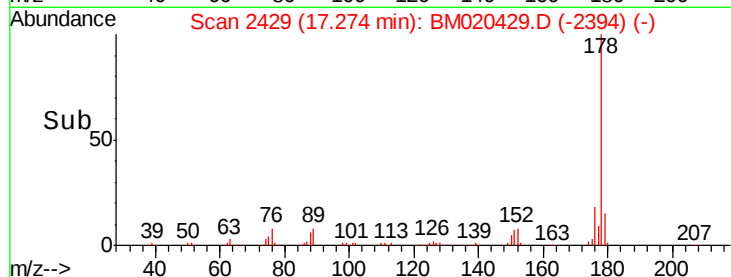
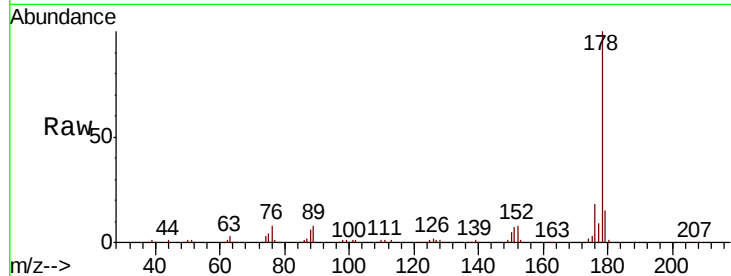
#71
 Anthracene
 Concen: 17.857 ng/ul
 RT: 17.27 min Scan# 2429
 Delta R.T. 0.01 min
 Lab File: BM020429.D
 Acq: 20 May 2019 13:30

Instrument :
 BNA_M
 ClientSampleId :
 GAJB1DL

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	311863		
179	15.2		12.4	18.6
176	17.9		14.4	21.6

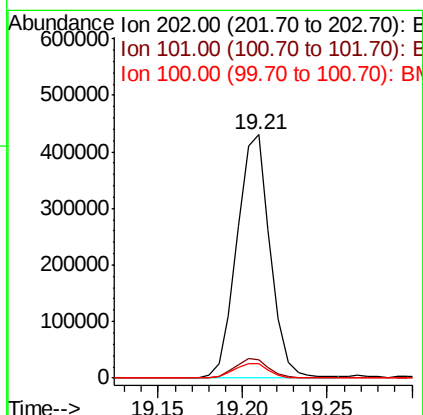
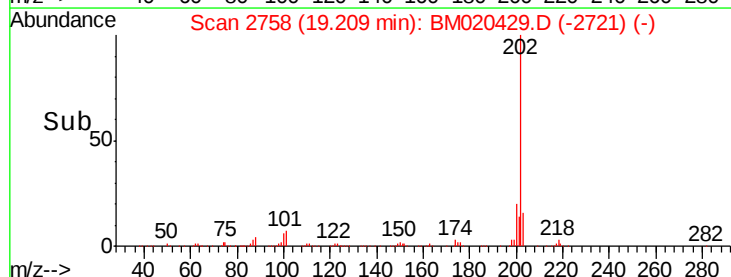
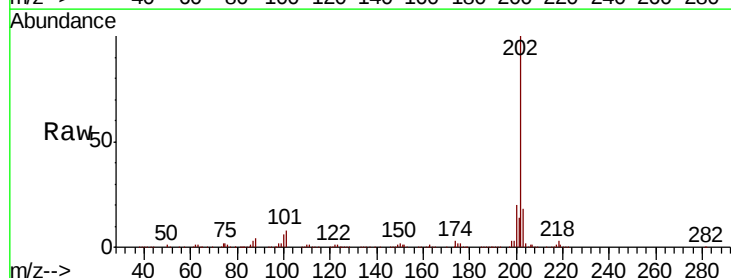
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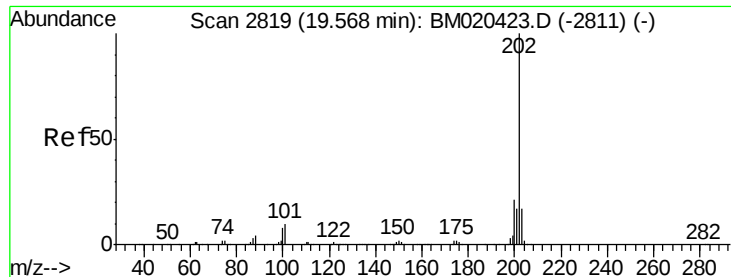
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#76
 Fluoranthene
 Concen: 27.092 ng/ul
 RT: 19.21 min Scan# 2758
 Delta R.T. 0.02 min
 Lab File: BM020429.D
 Acq: 20 May 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	587557		
101	7.7		6.4	9.6
100	6.1		5.2	7.8





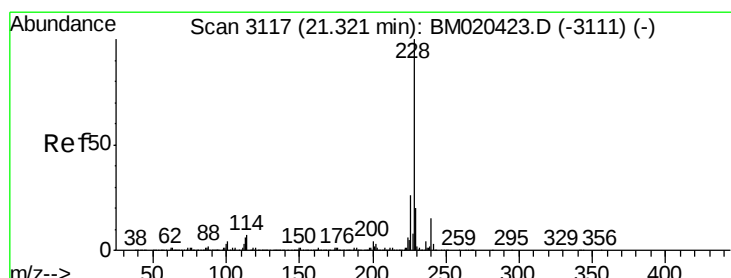
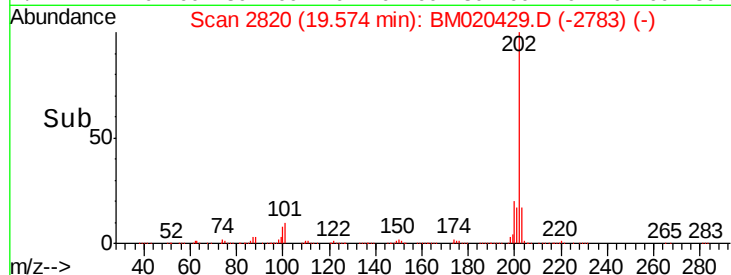
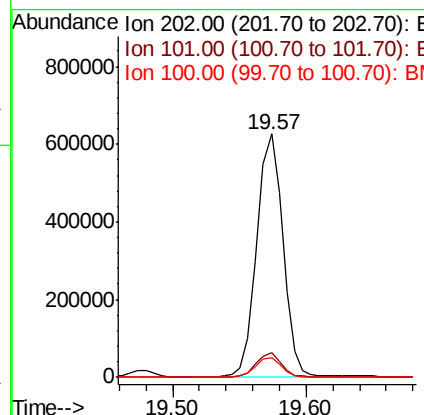
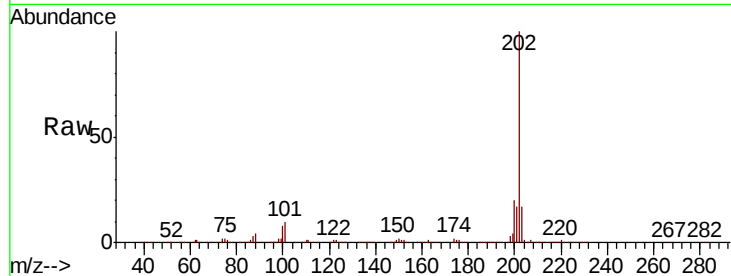
#79
 Pyrene
 Concen: 39.681 ng/ul
 RT: 19.57 min Scan# 2820
 Delta R.T. 0.02 min
 Lab File: BM020429.D
 Acq: 20 May 2019 13:30

Instrument :
 BNA_M
 ClientSampleId :
 GAJB1DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.1	7.1	10.7
100	8.0	5.9	8.9

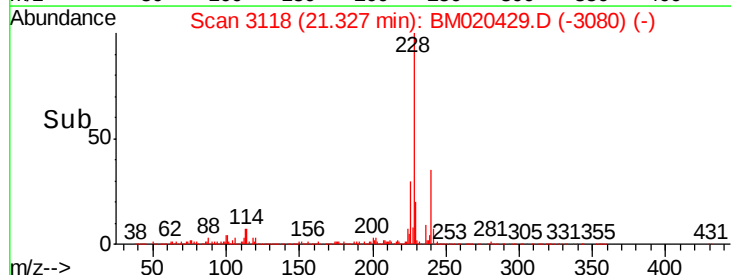
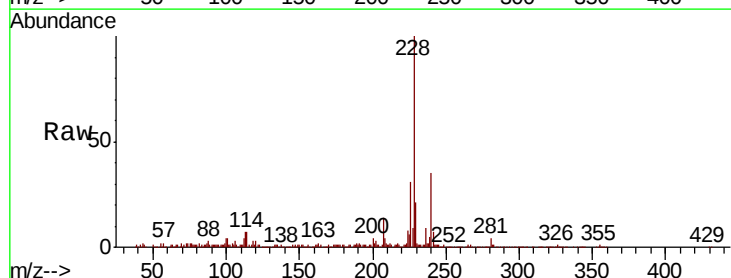
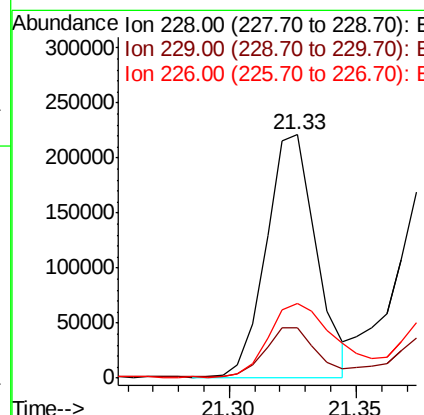
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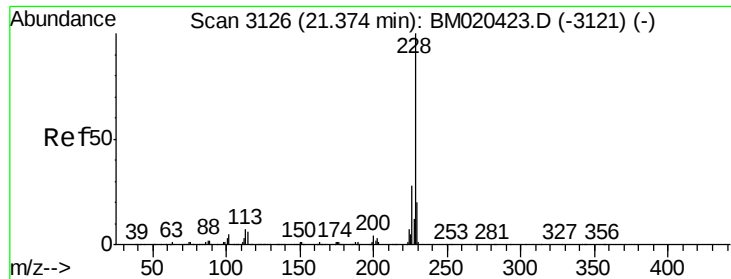
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#82
 Benzo(a)anthracene
 Concen: 14.159 ng/ul
 RT: 21.33 min Scan# 3118
 Delta R.T. 0.02 min
 Lab File: BM020429.D
 Acq: 20 May 2019 13:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.6	15.8	23.8
226	30.8	20.6	30.8





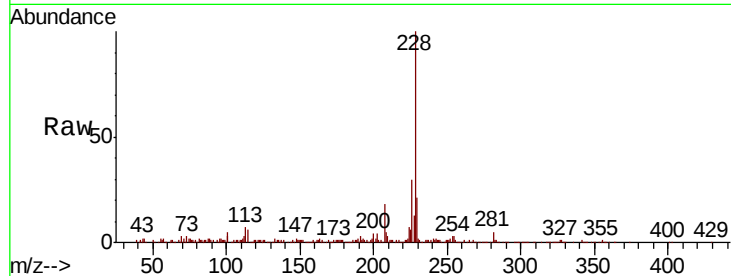
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Chrysene
 Concen: 12.681 ng/ul
 RT: 21.38 min Scan# 3127
 Delta R.T. 0.02 min
 Lab File: BM020429.D
 Acq: 20 May 2019 13:30

Instrument :
 BNA_M
 ClientSampleID :
 GAJB1DL

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.5	22.2	33.4
229	21.0	15.4	23.2

Manual Integrations
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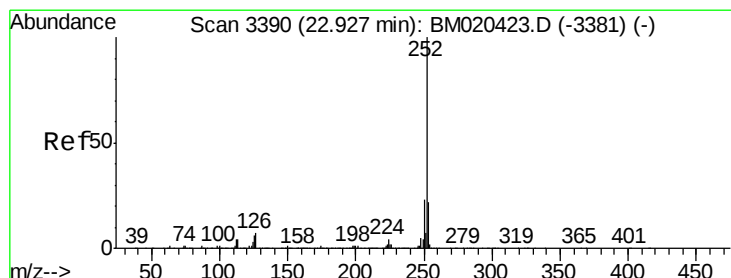
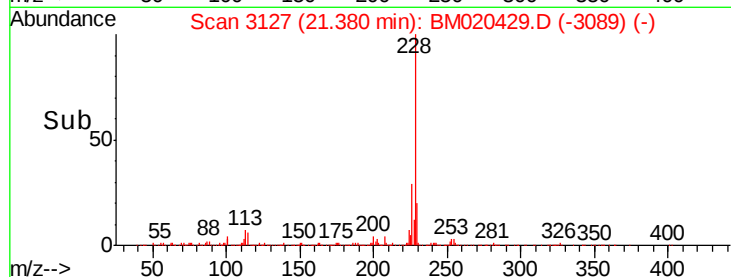
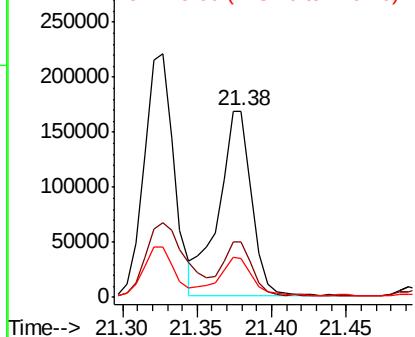


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Benzo(b)fluoranthene
 Concen: 8.931 ng/ul m
 RT: 22.94 min Scan# 3392
 Delta R.T. 0.04 min
 Lab File: BM020429.D
 Acq: 20 May 2019 13:30

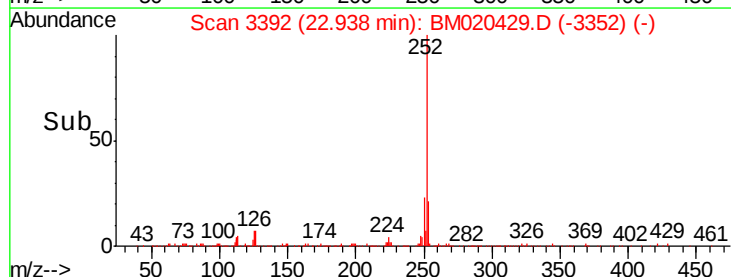
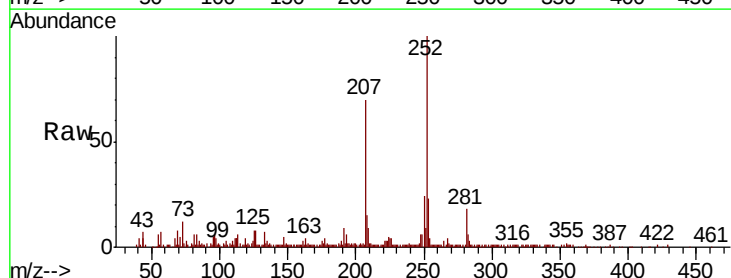
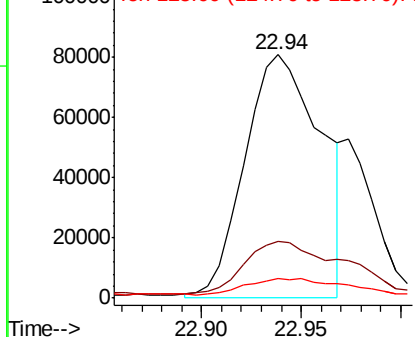
Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	17.0	25.6
125	8.3	5.0	7.4

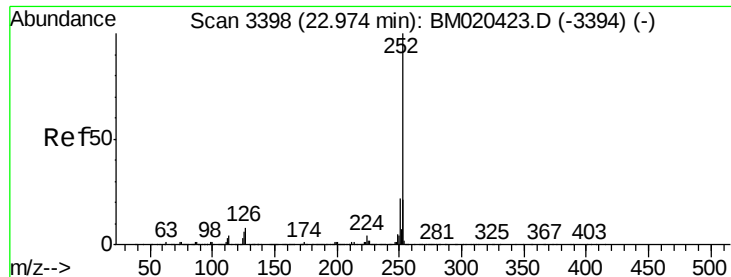
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





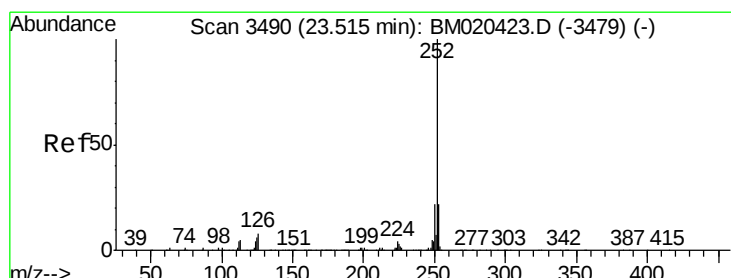
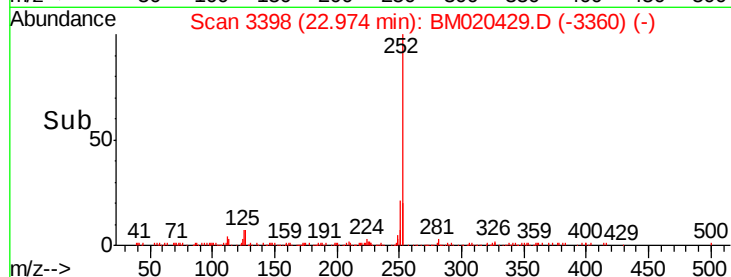
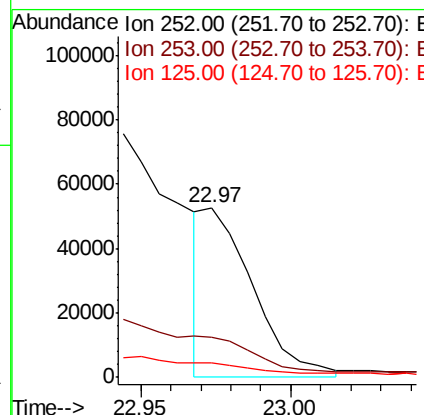
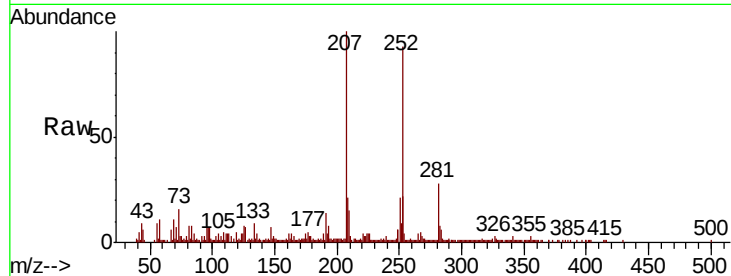
#88
Benzo(k)fluoranthene
Concen: 2.511 ng/ul m
RT: 22.97 min Scan# 3398
Delta R.T. 0.02 min
Lab File: BM020429.D
Acq: 20 May 2019 13:30

Instrument :
BNA_M
ClientSampled :
GAJB1DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	8.7	5.0	7.6

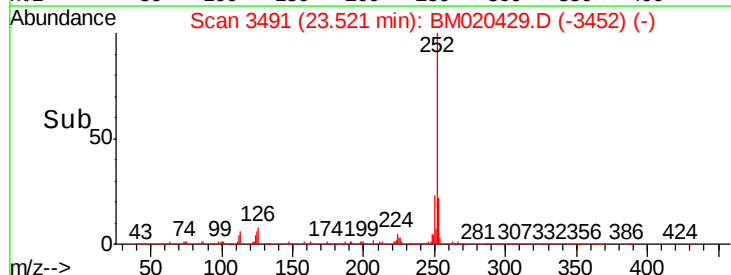
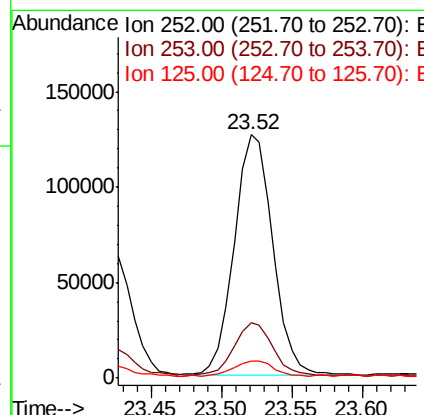
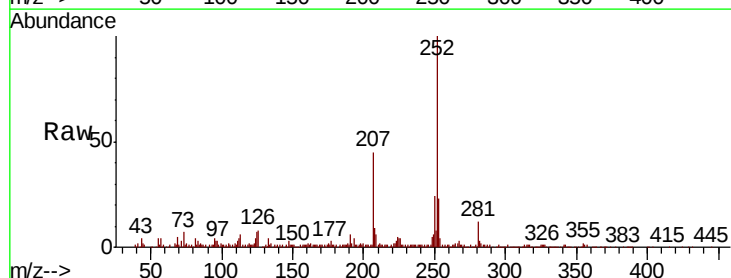
Manual Integrations
APPROVED

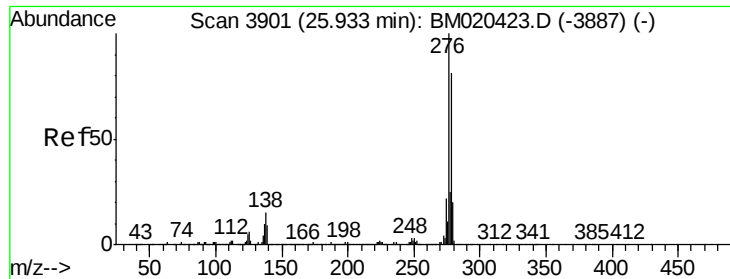
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#90
Benzo(a)pyrene
Concen: 10.524 ng/ul
RT: 23.52 min Scan# 3491
Delta R.T. 0.03 min
Lab File: BM020429.D
Acq: 20 May 2019 13:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	6.8	5.4	8.2





#91

Indeno(1,2,3-cd)pyrene

Concen: 3.737 ng/ul

RT: 25.93 min Scan# 3901

Delta R.T. 0.04 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

Instrument :

BNA_M

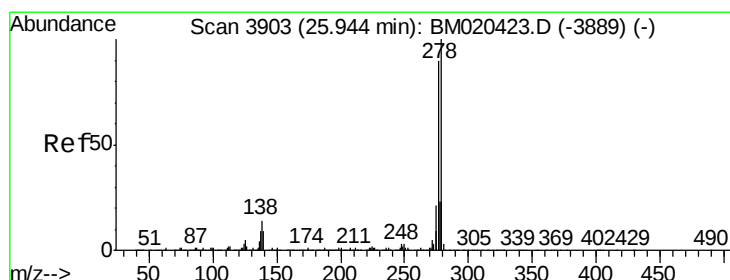
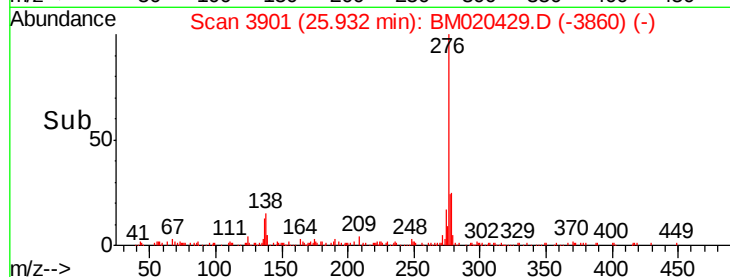
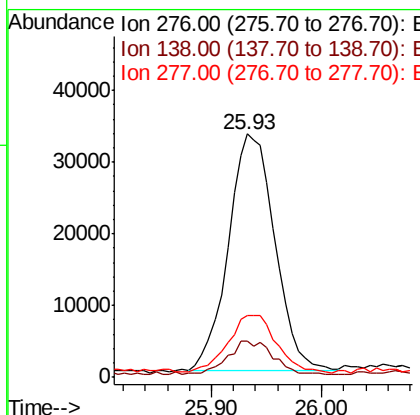
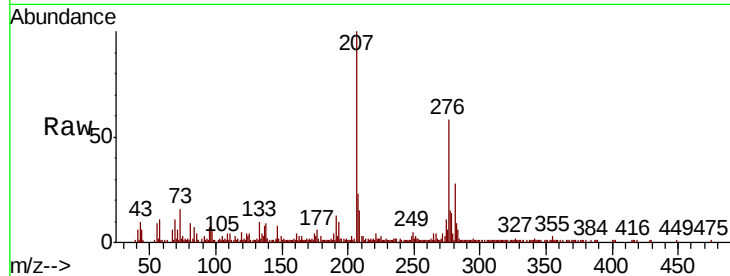
ClientSampleId :

GAJB1DL

Tgt Ion:	276	Resp:	96799
Ion Ratio	Lower	Upper	
276	100		
138	19.0	12.3	18.5#
277	25.3	20.0	30.0

Manual Integrations
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#92

Dibenzo(a,h)anthracene

Concen: 1.303 ng/ul

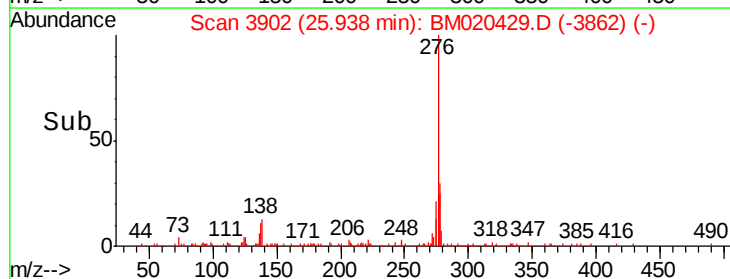
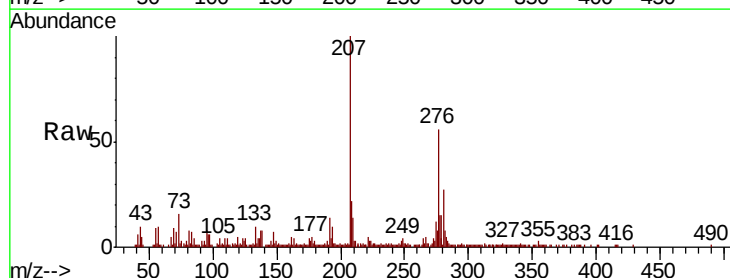
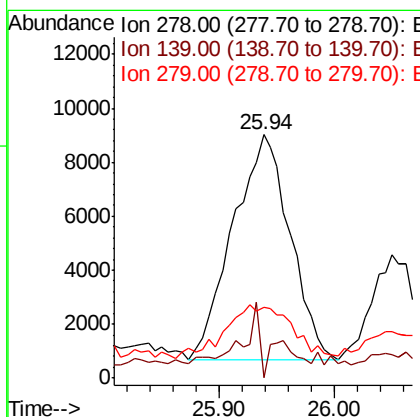
RT: 25.94 min Scan# 3902

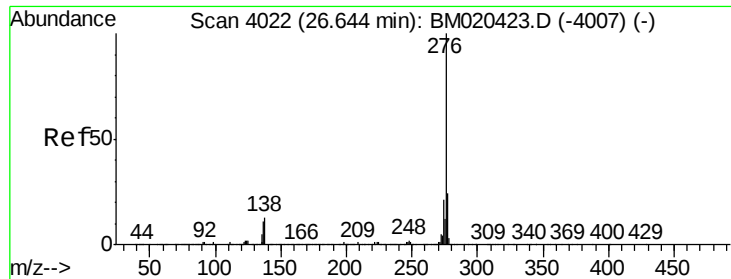
Delta R.T. 0.04 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

Tgt Ion:	278	Resp:	28856
Ion Ratio	Lower	Upper	
278	100		
139	0.0	8.1	12.1#
279	29.0	18.7	28.1#





#93
 Benzo(g,h,i)perylene
 Concen: 4.104 ng/ul
 RT: 26.66 min Scan# 4024
 Delta R.T. 0.06 min
 Lab File: BM020429.D
 Acq: 20 May 2019 13:30

Instrument :
 BNA_M
 ClientSampleId :
 GAJB1DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.4	10.0	15.0
277	23.5	18.2	27.4

Manual Integrations
 APPROVED

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