

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
 Data File : BM027899.D
 Acq On : 22 Nov 2020 03:12
 Operator : JU/CG
 Sample : L4711-24
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0BF6

Manual Integrations
 APPROVED

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Quant Time: Nov 23 05:52:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 23 04:04:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	1086	0.40	ng/ul	0.00
2) Naphthalene-d8	11.17	136	4238	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2547	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4266m	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2278	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	2072	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	1743	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	2601	0.23	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.22	128	857	0.067	ng/ul#	85
5) 2-Methylnaphthalene	12.80	142	904	0.105	ng/ul	100
7) Acenaphthylene	14.68	152	954	0.077	ng/ul#	83
8) Acenaphthene	15.01	153	6415	0.689	ng/ul	99
9) Fluorene	15.98	166	6793	0.629	ng/ul	100
12) Phenanthrene	17.70	178	120154	8.916	ng/ul	97
13) Anthracene	17.79	178	26223	2.017	ng/ul	98
15) Fluoranthene	19.68	202	168278	11.262	ng/ul	100
17) Pyrene	20.04	202	129901	11.228	ng/ul	99
18) Benzo(a)anthracene	21.74	228	55631	6.053	ng/ul	100
19) Chrysene	21.80	228	57326	6.403	ng/ul	98
21) Benzo(b)fluoranthene	23.45	252	67128m	7.709	ng/ul	
22) Benzo(k)fluoranthene	23.49	252	21484m	2.519	ng/ul	
23) Benzo(a)pyrene	24.08	252	43841	5.758	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.68	276	31010	3.762	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.68	278	7762	1.131	ng/ul#	92
26) Benzo(a,h,i)perylene	27.45	276	30241	4.373	ng/ul	93

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

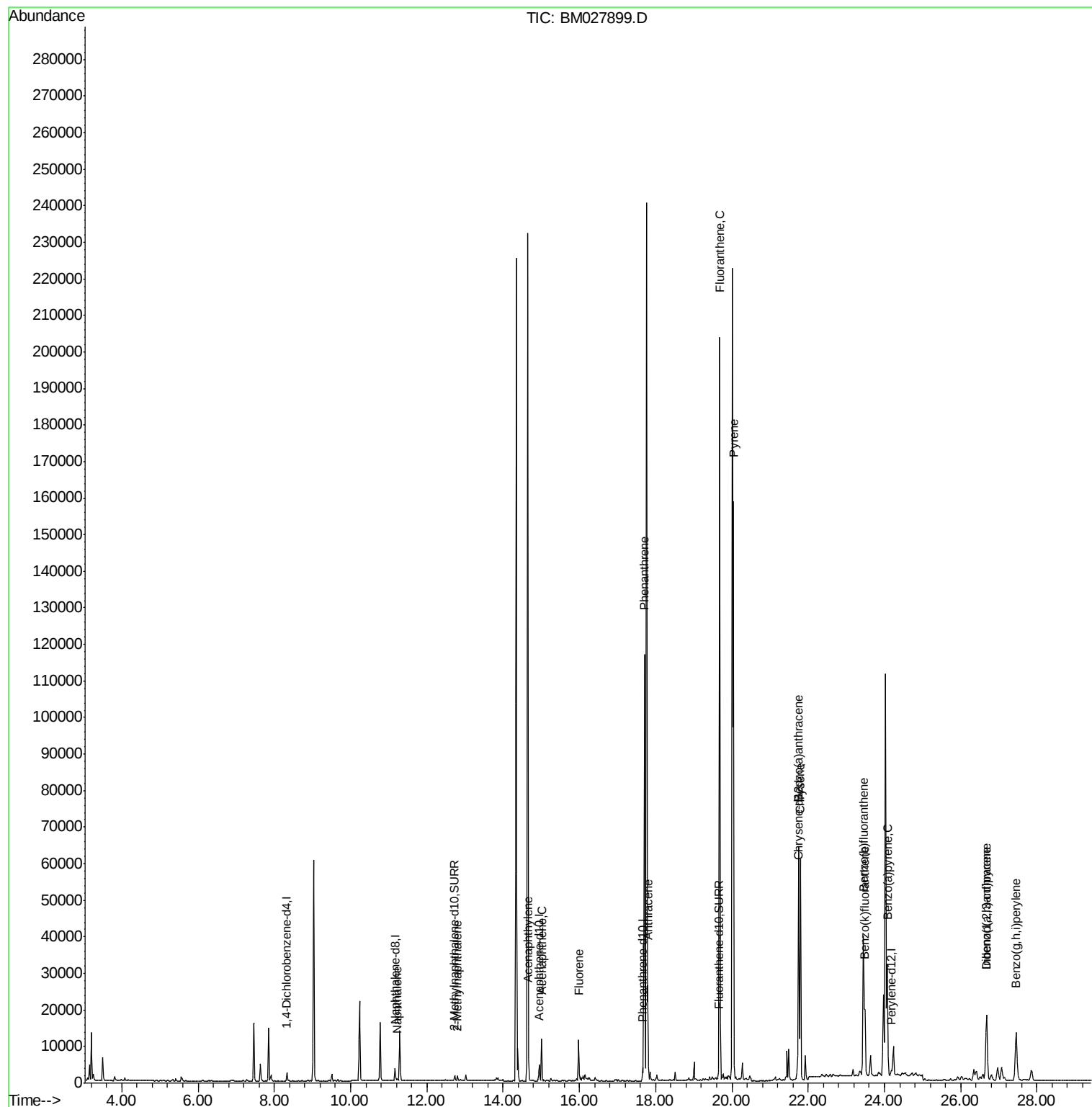
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027899.D
Acq On : 22 Nov 2020 03:12
Operator : JU/CG
Sample : L4711-24
Misc :
ALS Vial : 53 Sample Multiplier: 1

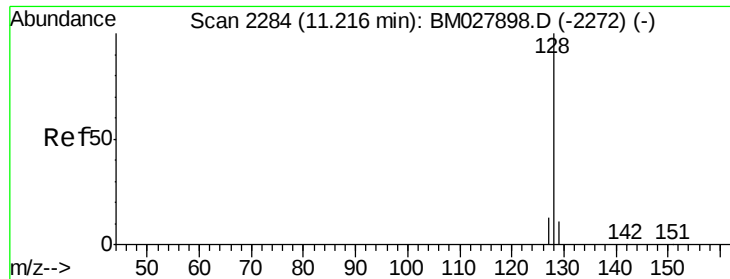
Instrument :
BNA_M
ClientSampleId :
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Quant Time: Nov 23 05:52:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 04:04:52 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.067 ng/ul

RT: 11.22 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BM027899.D

Acq: 22 Nov 2020 03:12

Instrument :

BNA_M

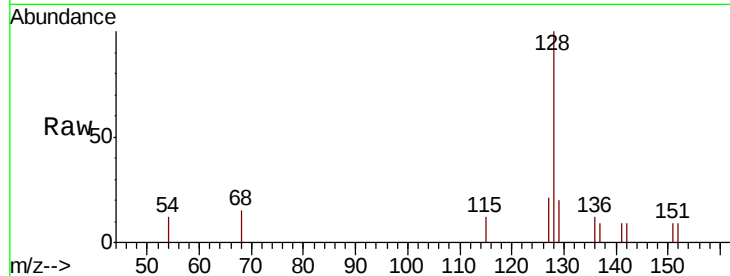
ClientSampleId :

C0BF6

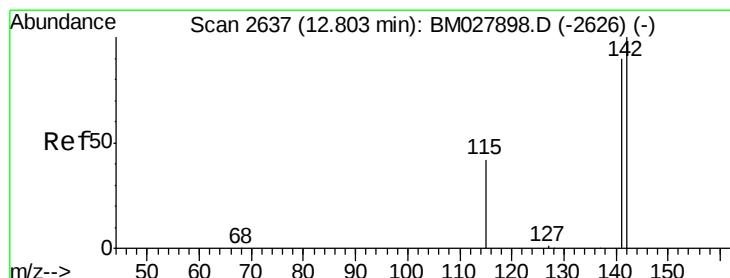
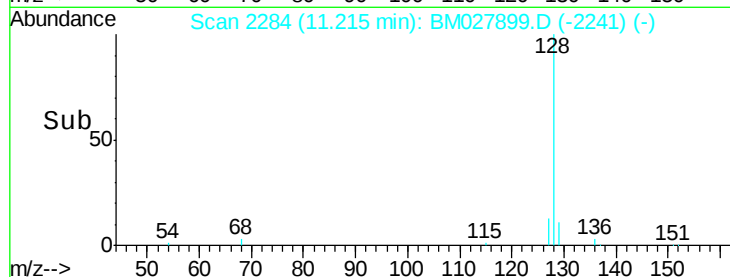
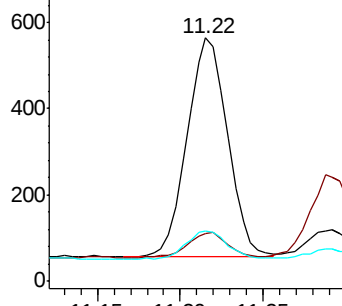
Tot Ion:	128	Resp:	857
Ion	Ratio	Lower	Upper
128	100		
129	19.7	10.4	15.6#
127	20.6	12.0	18.0#

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.105 ng/ul

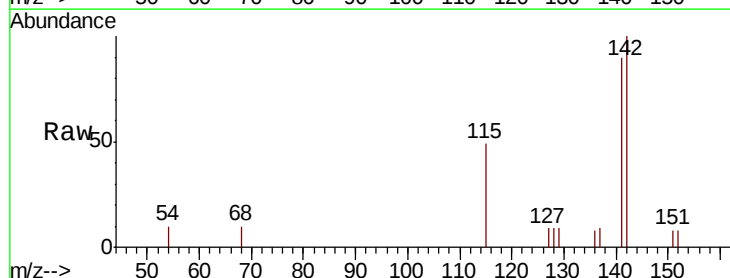
RT: 12.80 min Scan# 2637

Delta R.T. -0.00 min

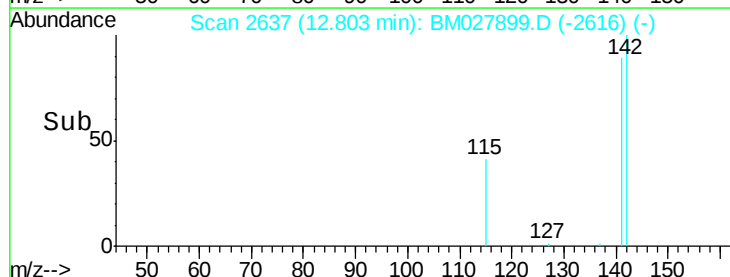
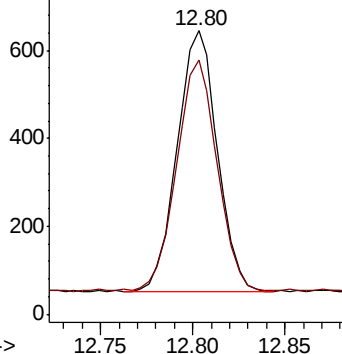
Lab File: BM027899.D

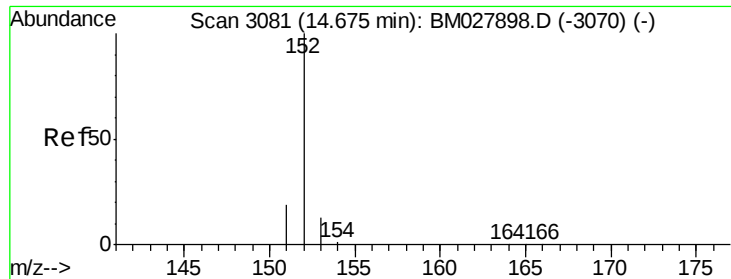
Acq: 22 Nov 2020 03:12

Tgt Ion:	142	Resp:	904
Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.077 ng/ul

RT: 14.68 min Scan# 3081

Delta R.T. 0.00 min

Lab File: BM027899.D

Acq: 22 Nov 2020 03:12

Instrument :

BNA_M

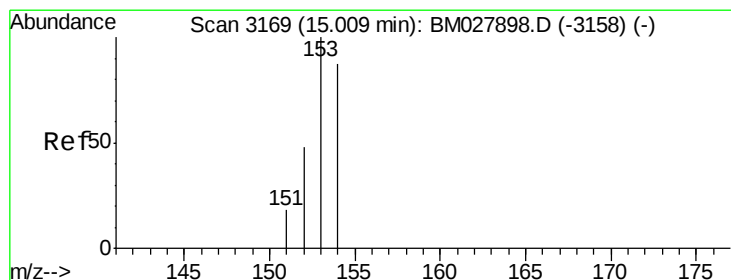
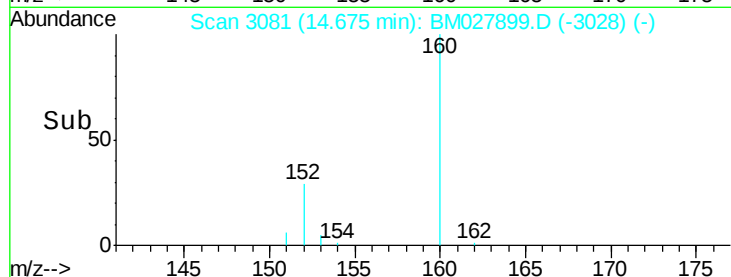
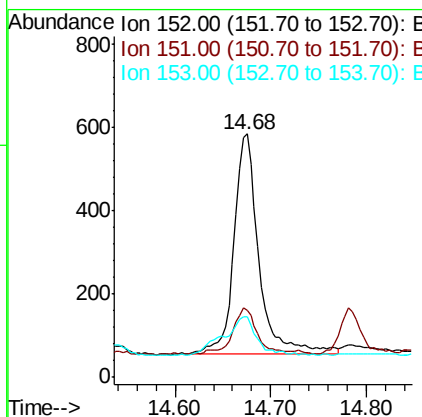
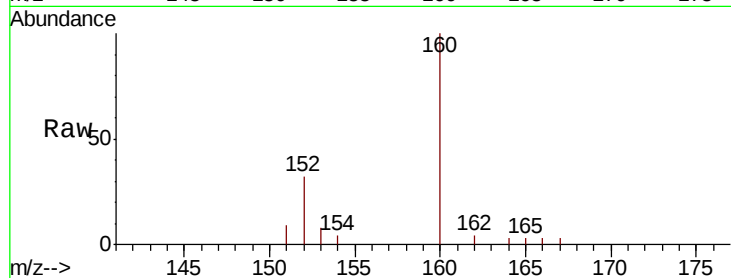
ClientSampleId :

C0BF6

Tot Ion:	152	Resp:	954
Ion Ratio	Lower	Upper	
152	100		
151	27.2	17.1	25.7#
153	25.0	12.0	18.0#

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#8

Acenaphthene

Concen: 0.689 ng/ul

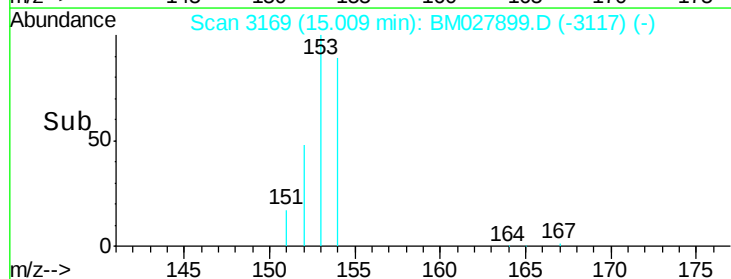
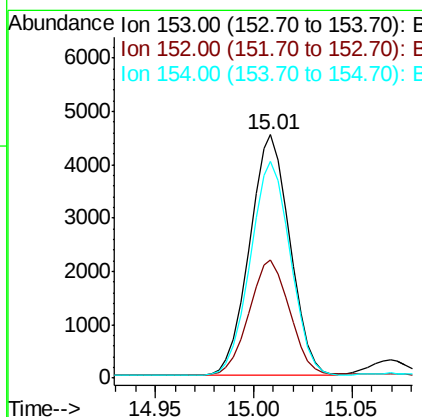
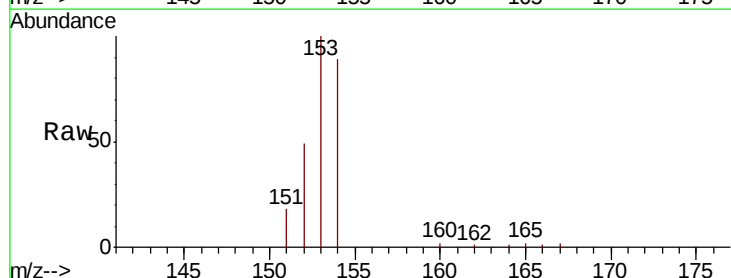
RT: 15.01 min Scan# 3169

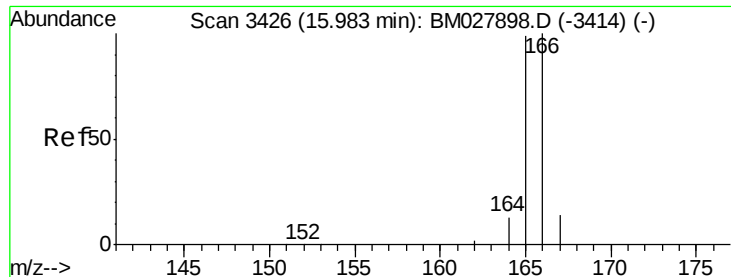
Delta R.T. -0.00 min

Lab File: BM027899.D

Acq: 22 Nov 2020 03:12

Tgt Ion:	153	Resp:	6415
Ion Ratio	Lower	Upper	
153	100		
152	48.6	39.0	58.6
154	88.8	71.6	107.4





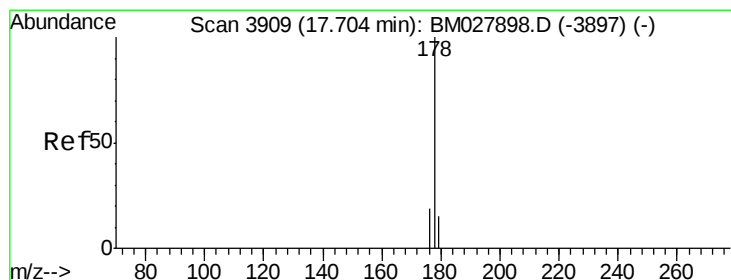
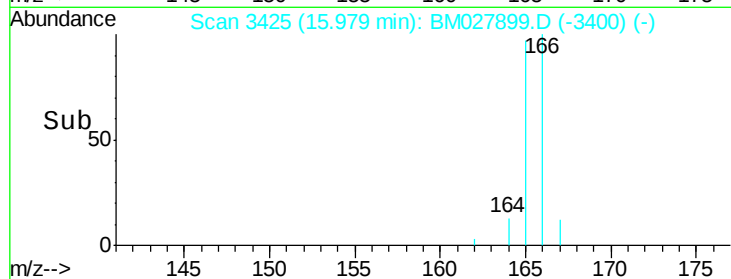
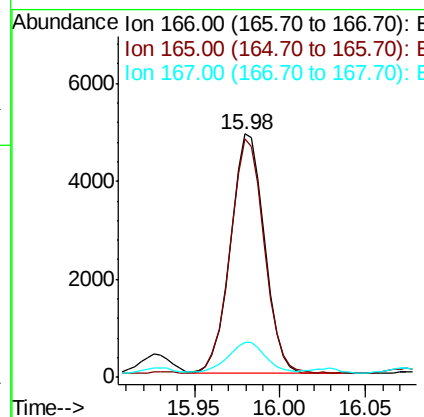
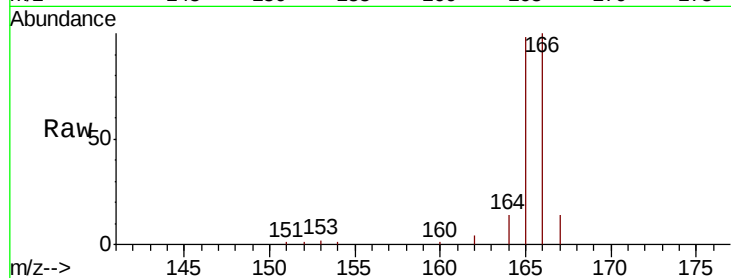
#9
Fluorene
 Concen: 0.629 ng/ul
 RT: 15.98 min Scan# 3425
 Delta R.T. -0.00 min
 Lab File: BM027899.D
 Acq: 22 Nov 2020 03:12

Instrument :
 BNA_M
 ClientSampleId :
 C0BF6

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.1	117.1
167	14.3	11.8	17.8

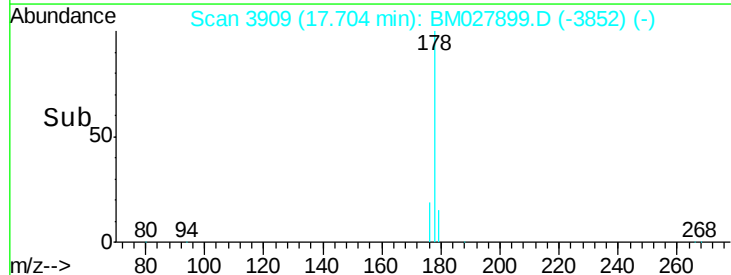
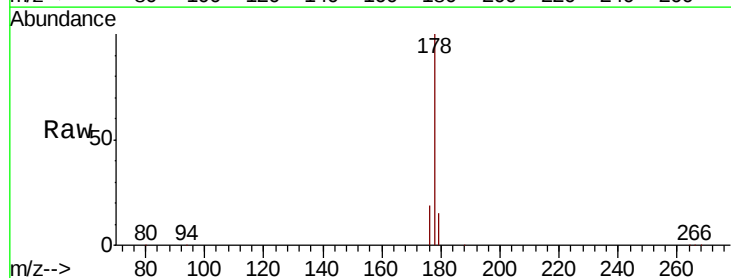
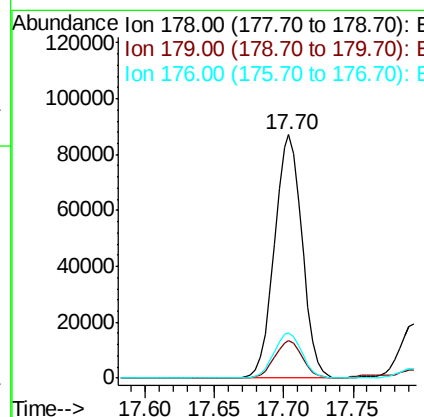
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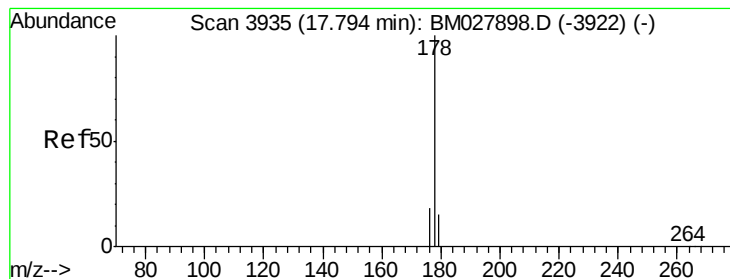
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#12
Phenanthrene
 Concen: 8.916 ng/ul
 RT: 17.70 min Scan# 3909
 Delta R.T. -0.00 min
 Lab File: BM027899.D
 Acq: 22 Nov 2020 03:12

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	13.6	20.4
176	18.8	16.1	24.1





#13

Anthracene

Concen: 2.017 ng/ul

RT: 17.79 min Scan# 3935

Delta R.T. 0.00 min

Lab File: BM027899.D

Acq: 22 Nov 2020 03:12

Instrument :

BNA_M

ClientSampleId :

C0BF6

Tot Ion:178 Resp: 26223

Ion Ratio Lower Upper

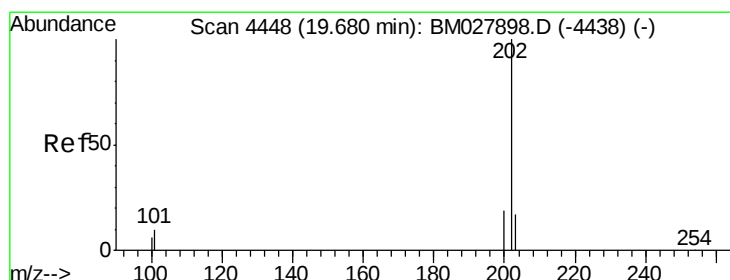
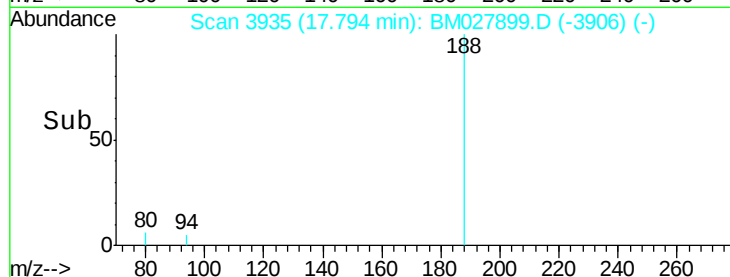
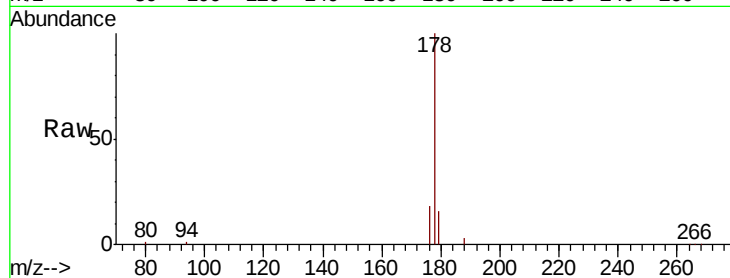
178 100

179 15.7 13.4 20.2

176 18.5 15.0 22.6

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#15

Fluoranthene

Concen: 11.262 ng/ul

RT: 19.68 min Scan# 4448

Delta R.T. -0.00 min

Lab File: BM027899.D

Acq: 22 Nov 2020 03:12

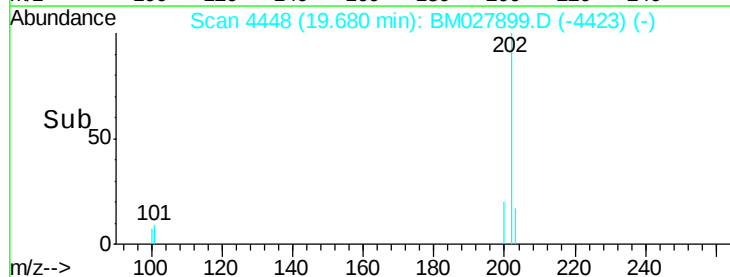
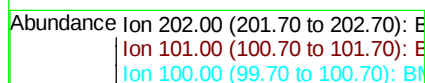
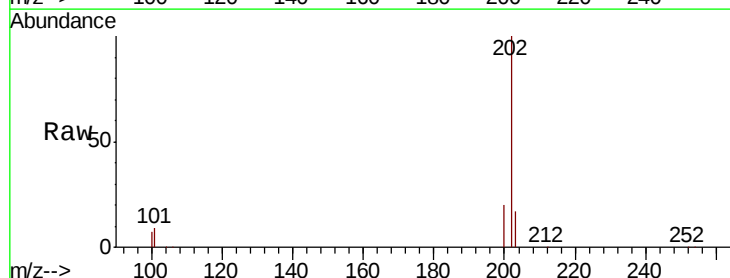
Tgt Ion:202 Resp: 168278

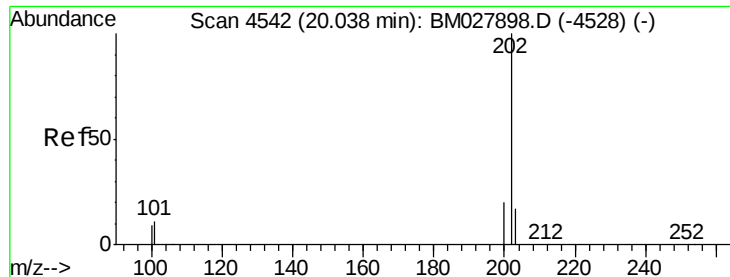
Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.3

100 7.3 0.0 27.4





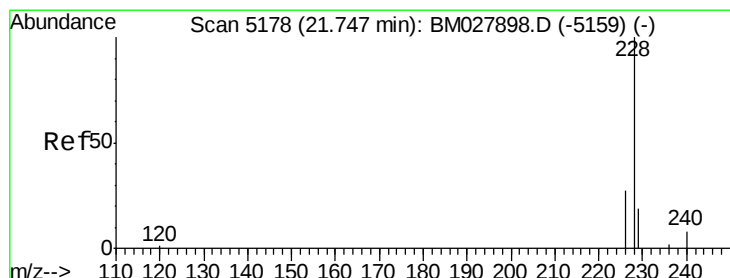
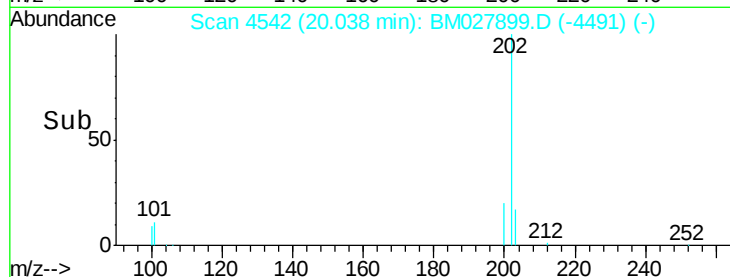
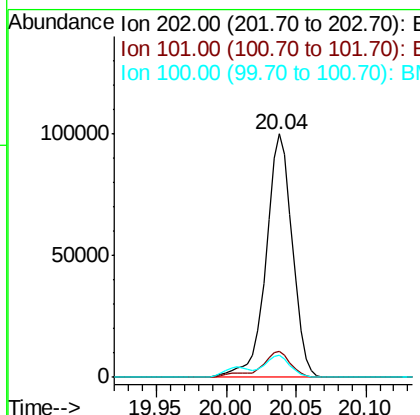
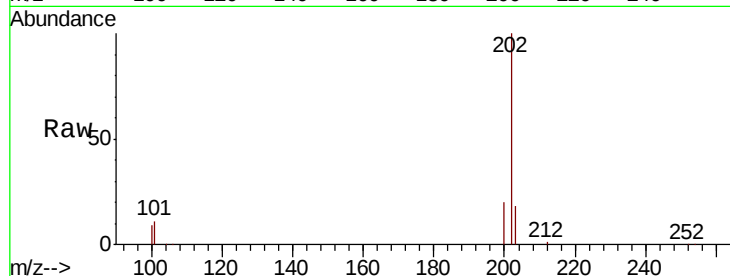
#17
Pvrene
Concen: 11.228 ng/ul
RT: 20.04 min Scan# 4542
Delta R.T. -0.00 min
Lab File: BM027899.D
Acq: 22 Nov 2020 03:12

Instrument :
BNA_M
ClientSampled :
C0BF6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	8.2	12.2
100	8.9	6.9	10.3

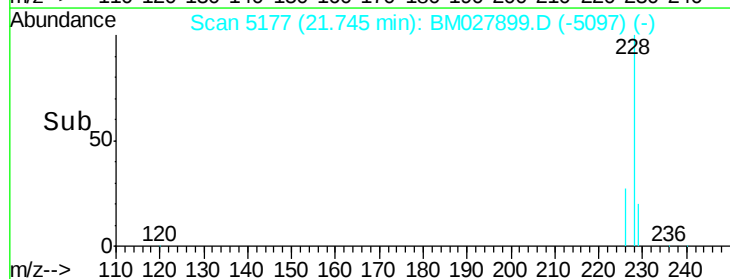
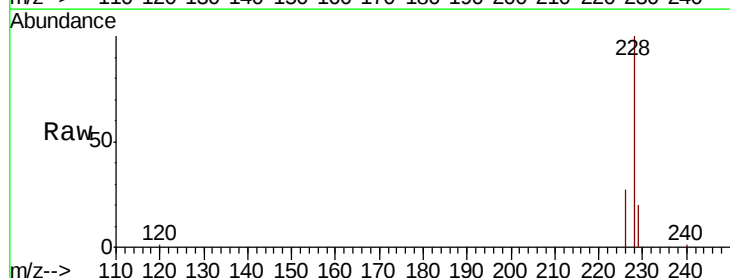
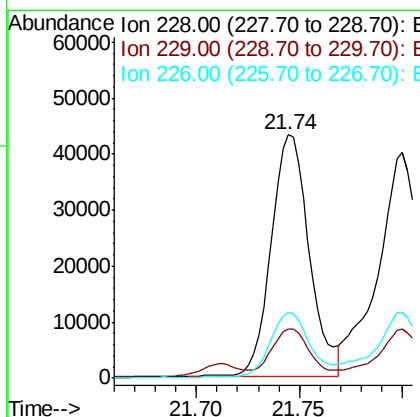
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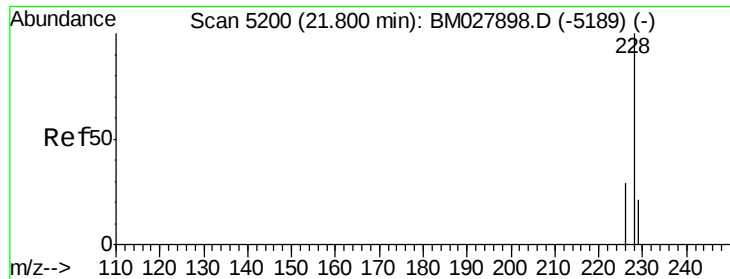
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#18
Benzo(a)anthracene
Concen: 6.053 ng/ul
RT: 21.74 min Scan# 5177
Delta R.T. -0.01 min
Lab File: BM027899.D
Acq: 22 Nov 2020 03:12

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.3	16.2	24.4
226	26.8	21.5	32.3





#19

Chrysene

Concen: 6.403 ng/ul

RT: 21.80 min Scan# 5200

Delta R.T. -0.01 min

Lab File: BM027899.D

Acq: 22 Nov 2020 03:12

Instrument :

BNA_M

ClientSampleId :

C0BF6

Tot Ion:228 Resp: 57326

Ion Ratio Lower Upper

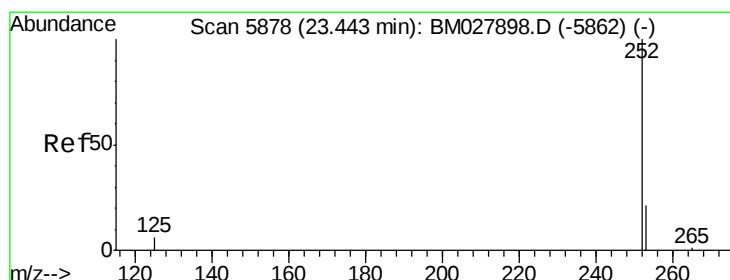
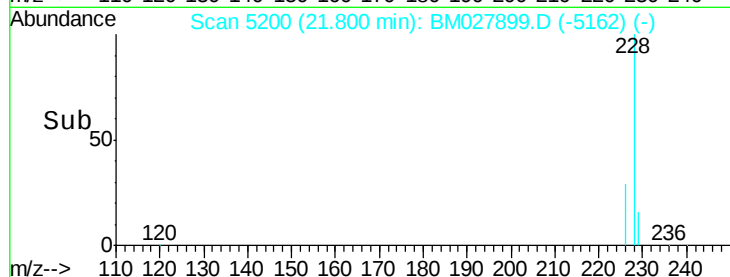
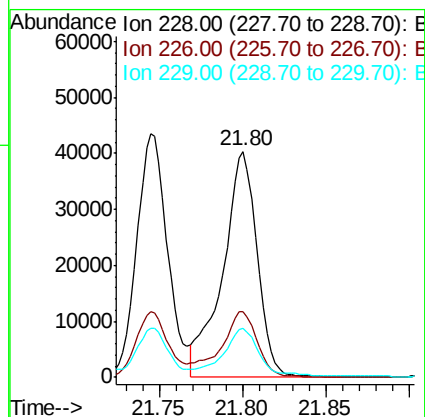
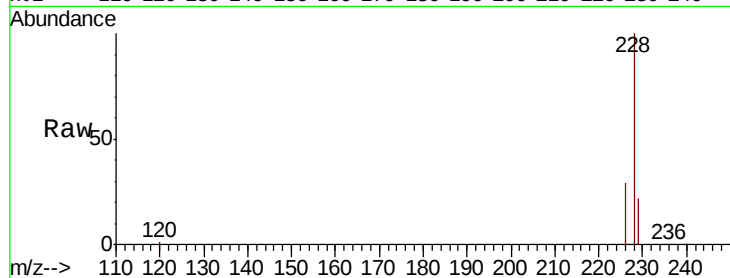
228 100

226 29.4 24.1 36.1

229 21.8 16.6 24.8

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#21

Benzo(b)fluoranthene

Concen: 7.709 ng/ul m

RT: 23.45 min Scan# 5879

Delta R.T. -0.00 min

Lab File: BM027899.D

Acq: 22 Nov 2020 03:12

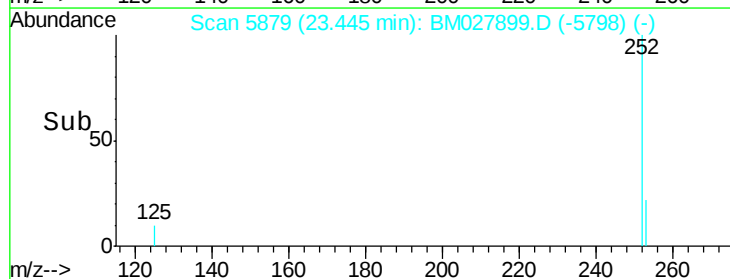
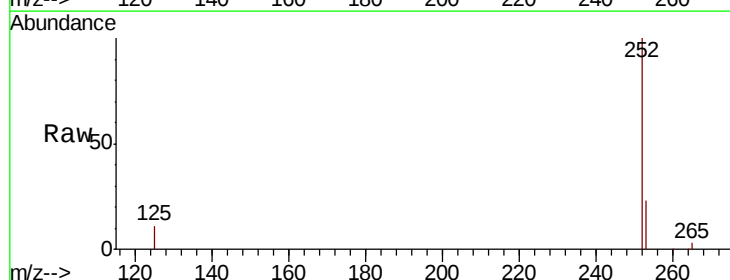
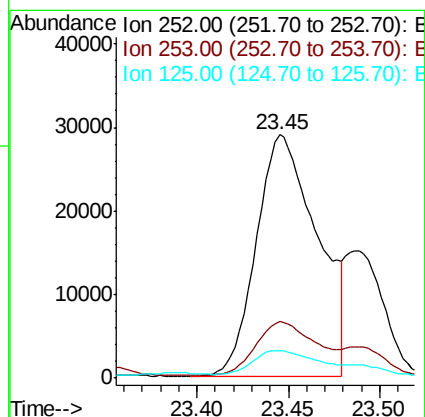
Tgt Ion:252 Resp: 67128

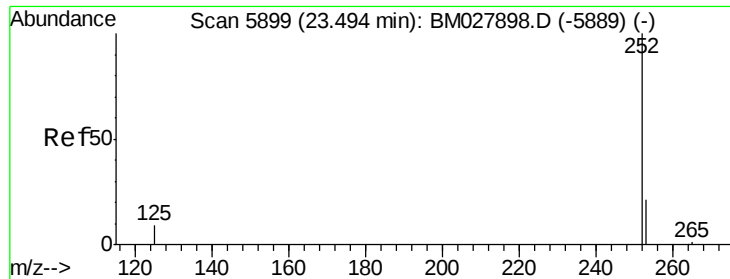
Ion Ratio Lower Upper

252 100

253 23.3 0.0 59.6

125 11.3 0.0 28.4





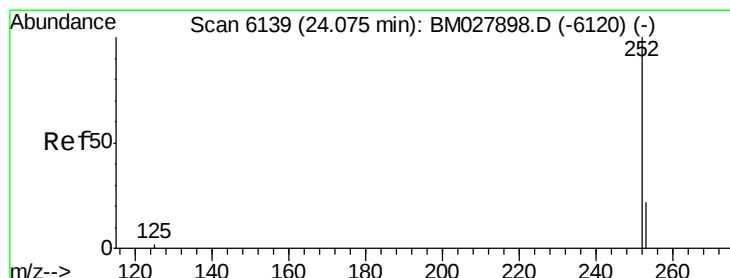
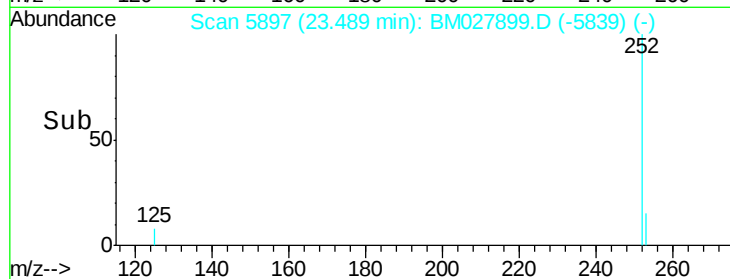
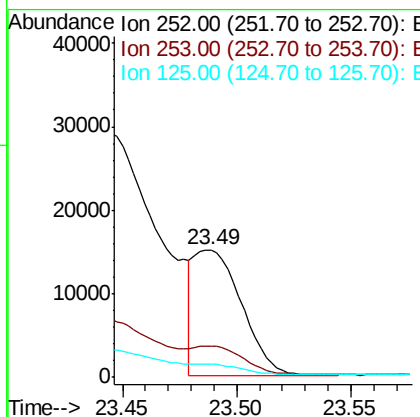
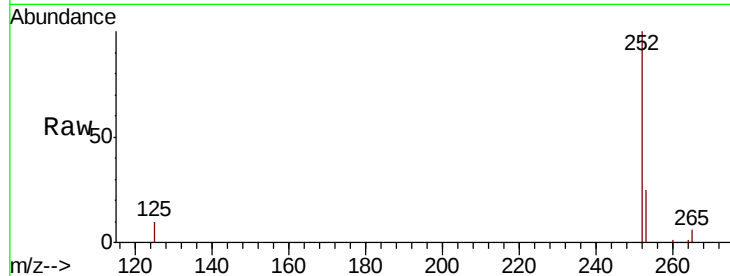
#22
Benzo(k)fluoranthene
Concen: 2.519 ng/ul m
RT: 23.49 min Scan# 5897
Delta R.T. -0.01 min
Lab File: BM027899.D
Acq: 22 Nov 2020 03:12

Instrument :
BNA_M
ClientSampleId :
C0BF6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	23.2	34.8
125	10.1	11.8	17.6

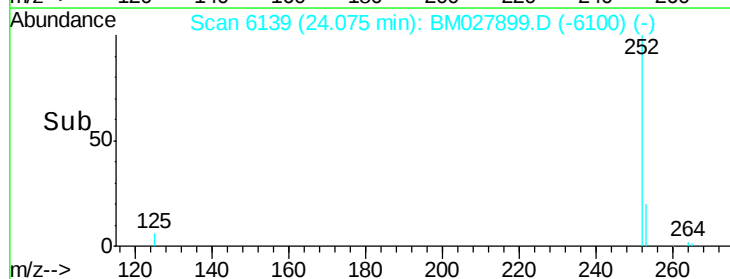
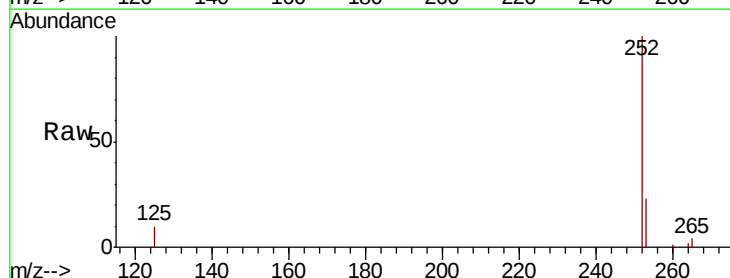
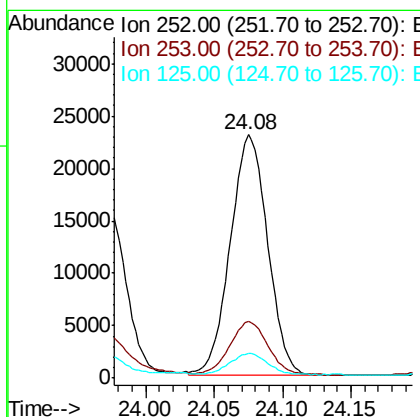
Manual Integrations
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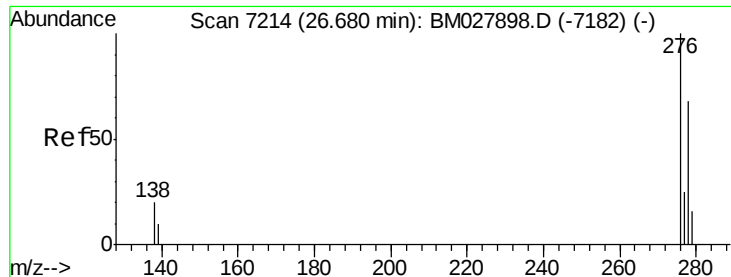
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#23
Benzo(a)pyrene
Concen: 5.758 ng/ul
RT: 24.08 min Scan# 6139
Delta R.T. -0.00 min
Lab File: BM027899.D
Acq: 22 Nov 2020 03:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	25.2	37.8
125	9.9	13.8	20.6





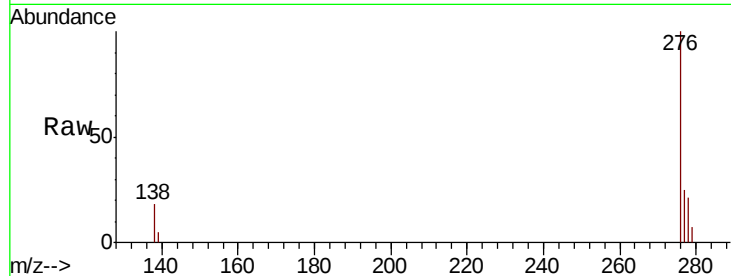
#24
Indeno(1,2,3-cd)pyrene
Concen: 3.762 ng/uL
RT: 26.68 min Scan# 7214
Delta R.T. -0.01 min
Lab File: BM027899.D
Acq: 22 Nov 2020 03:12

Instrument :
BNA_M
ClientSampleId :
C0BF6

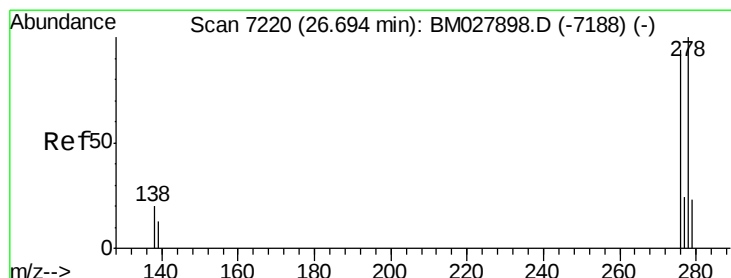
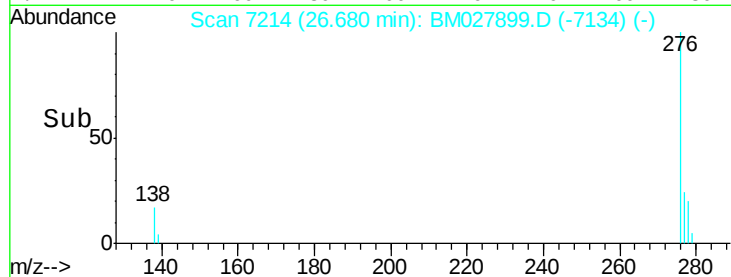
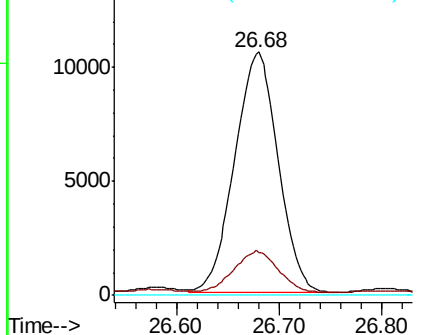
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.6	15.7	23.5
227	0.0	0.0	0.0

Manual Integrations
APPROVED

mohammad
11/24/2020 8:59:27 AM



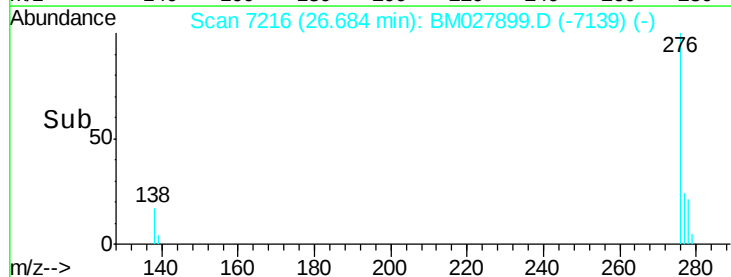
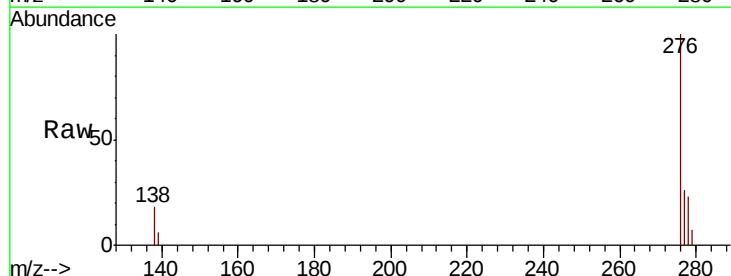
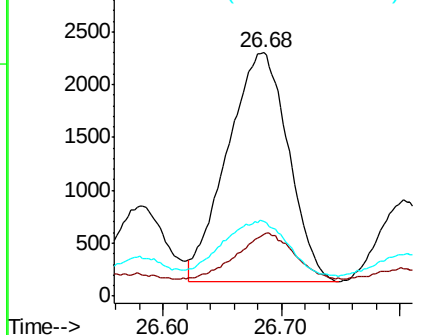
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

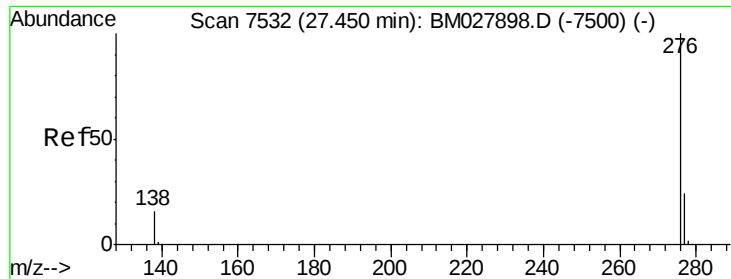


#25
Dibenzo(a,h)anthracene
Concen: 1.131 ng/uL
RT: 26.68 min Scan# 7216
Delta R.T. -0.01 min
Lab File: BM027899.D
Acq: 22 Nov 2020 03:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.6	14.8	22.2#
279	30.7	25.8	38.6

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#26
Benzo(a,h,i)perylene
Concen: 4.373 ng/ul
RT: 27.45 min Scan# 7533
Delta R.T. -0.01 min
Lab File: BM027899.D
Acq: 22 Nov 2020 03:12

Instrument :
BNA_M
ClientSampleId :
C0BF6

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.3	17.4	26.2
277	24.8	22.5	33.7

Manual Integrations
APPROVED

mohammad
11/24/2020 8:59:27 AM

