

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022820\
 Data File : BM025167.D
 Acq On : 29 Feb 2020 14:30
 Operator : CG/JU
 Sample : L1507-14DL 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBD12DL

Manual Integrations
 APPROVED

Sohil
 3/3/2020 8:39:41 AM

Quant Time: Mar 02 01:58:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 02 01:15:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	2845	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	11256	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	7480	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	17937	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	19911	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	23026	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	1182	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	2635	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.50	128	112025	3.269	ng/ul#	82
5) 2-Methylnaphthalene	12.12	142	86990	3.518	ng/ul	99
7) Acenaphthylene	14.03	152	78387	1.818	ng/ul#	93
8) Acenaphthene	14.37	153	155634	5.371	ng/ul	98
9) Fluorene	15.36	166	133763	3.679	ng/ul#	95
12) Phenanthrene	17.09	178	705880	11.188	ng/ul	95
13) Anthracene	17.18	178	300591	4.916	ng/ul	95
15) Fluoranthene	19.11	202	2756925	30.083	ng/ul	96
17) Pyrene	19.48	202	5725372	63.815	ng/ul	97
18) Benzo(a)anthracene	21.22	228	1077115	12.530	ng/ul	98
19) Chrysene	21.27	228	1404012	16.397	ng/ul	98
21) Benzo(b)fluoranthene	22.79	252	1682744m	18.643	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	568541m	6.358	ng/ul	
23) Benzo(a)pyrene	23.34	252	677891	8.226	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.62	276	350908	3.399	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.62	278	93189	1.074	ng/ul	96
26) Benzo(a,h,i)perylene	26.28	276	221610	2.547	ng/ul#	92

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

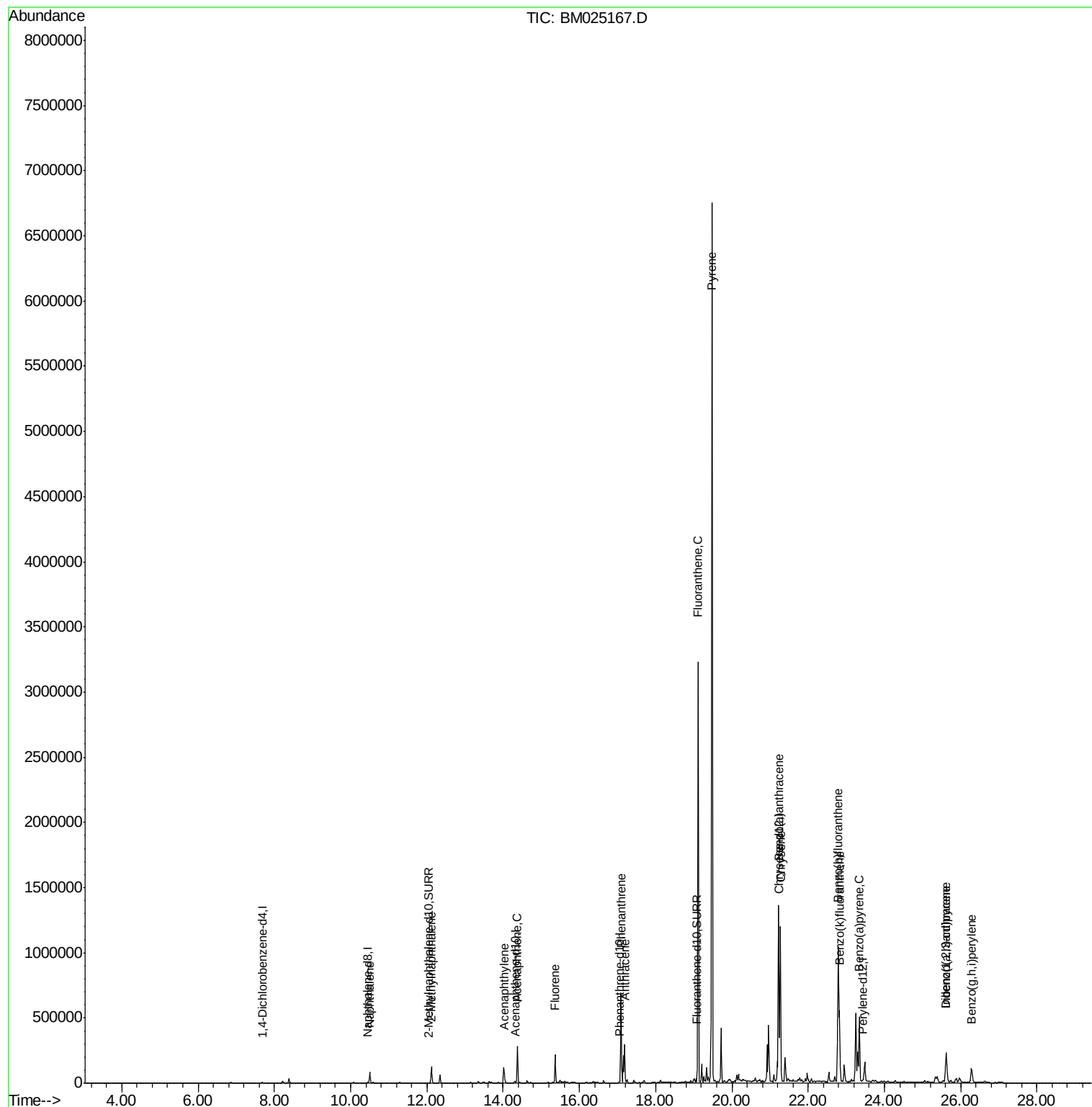
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022820\
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Misc :
ALS Vial : 40 Sample Multiplier: 1

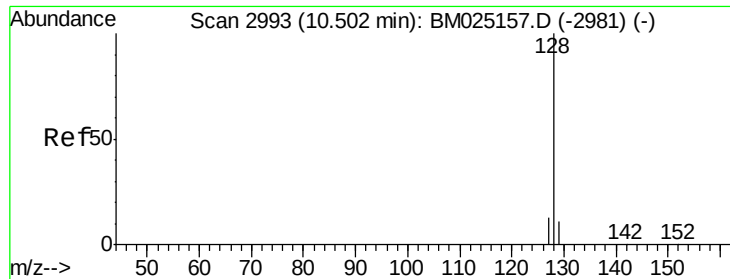
Instrument :
BNA_M
ClientSampleId :
DBD12DL

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Quant Time: Mar 02 01:58:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 02 01:15:39 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 3.269 ng/ul

RT: 10.50 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Instrument :

BNA_M

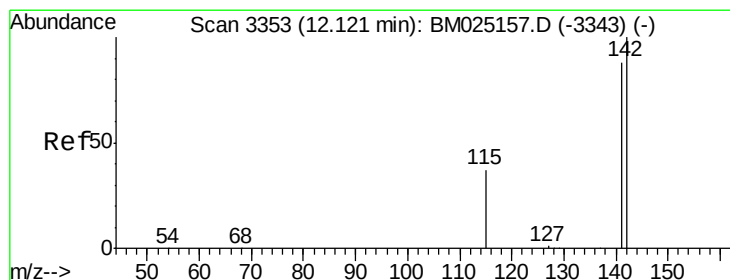
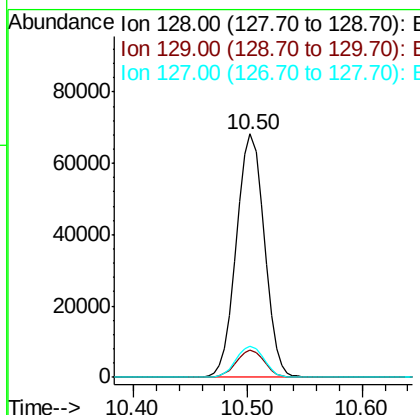
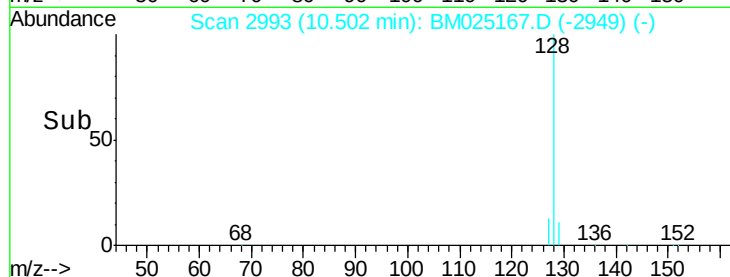
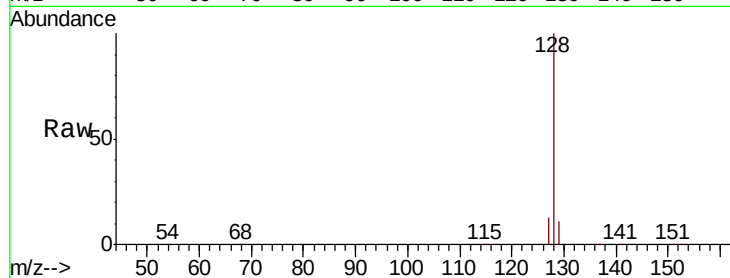
ClientSampleId :

DBD12DL

Tot Ion:	128	Resp:	112025
Ion Ratio	Lower	Upper	
128	100		
129	11.0	17.0	25.6#
127	12.9	15.7	23.5#

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#5

2-Methylnaphthalene

Concen: 3.518 ng/ul

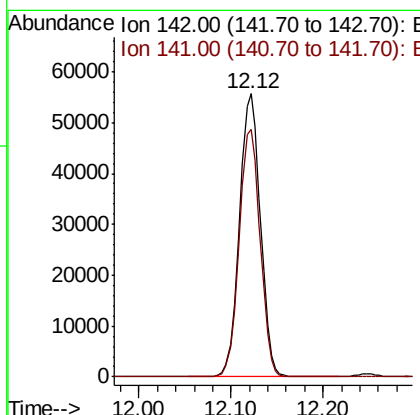
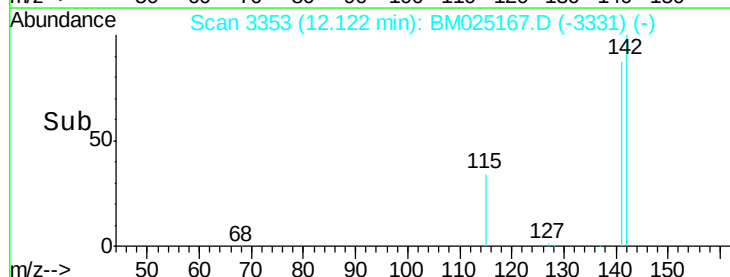
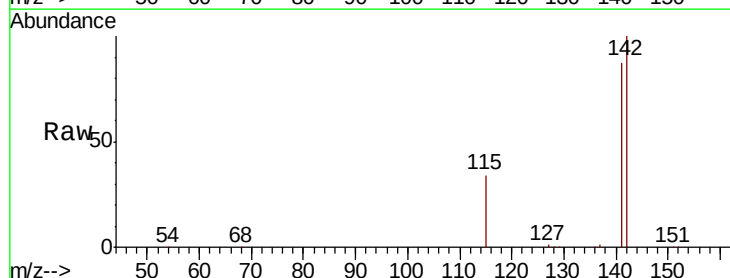
RT: 12.12 min Scan# 3353

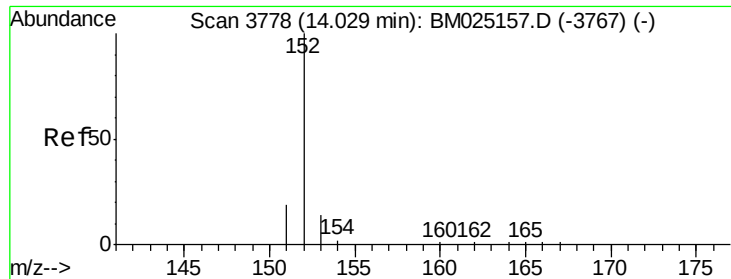
Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Tgt Ion:	142	Resp:	86990
Ion Ratio	Lower	Upper	
142	100		
141	87.8	69.8	104.8





#7

Acenaphthylene

Concen: 1.818 ng/ul

RT: 14.03 min Scan# 3778

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Instrument :

BNA_M

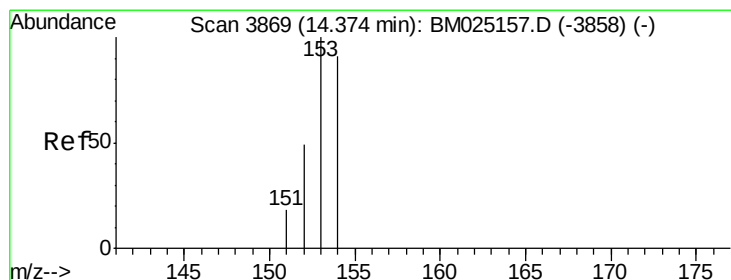
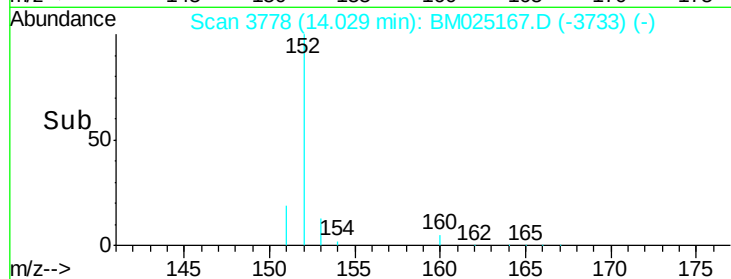
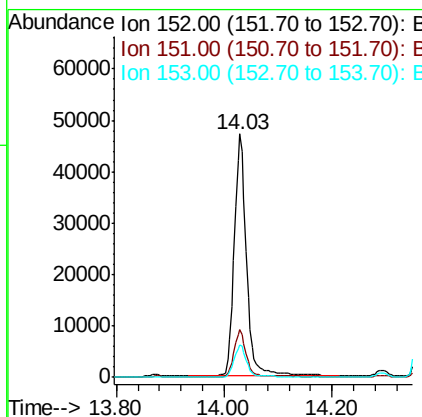
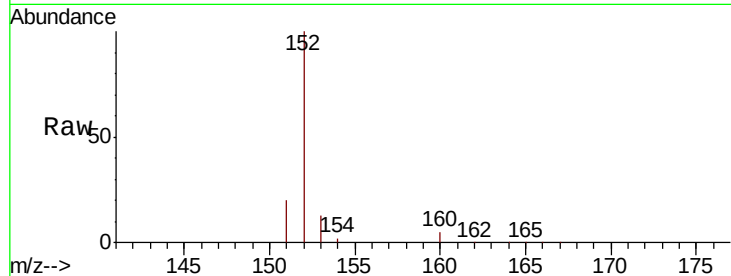
ClientSampleId :

DBD12DL

Tot Ion	152	Resp	78387
Ion Ratio	Lower	Upper	
152	100		
151	19.6	17.8	26.8
153	13.2	13.3	19.9#

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#8

Acenaphthene

Concen: 5.371 ng/ul

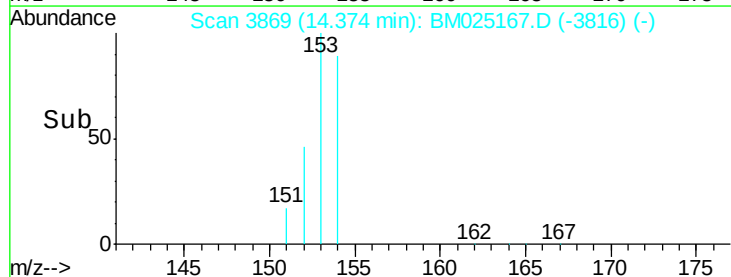
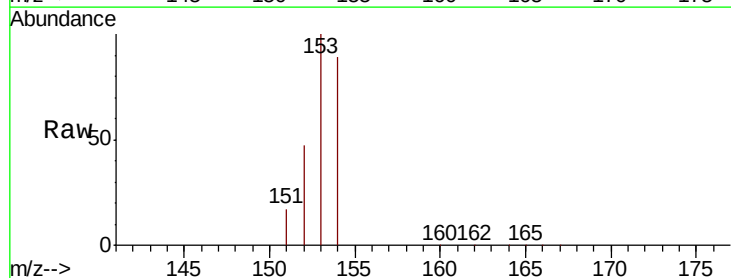
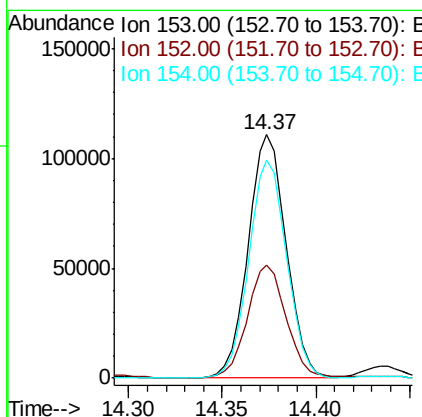
RT: 14.37 min Scan# 3869

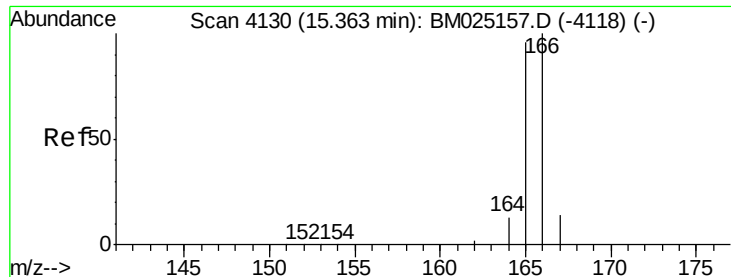
Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Tgt Ion	153	Resp	155634
Ion Ratio	Lower	Upper	
153	100		
152	46.6	40.0	60.0
154	89.3	71.0	106.6





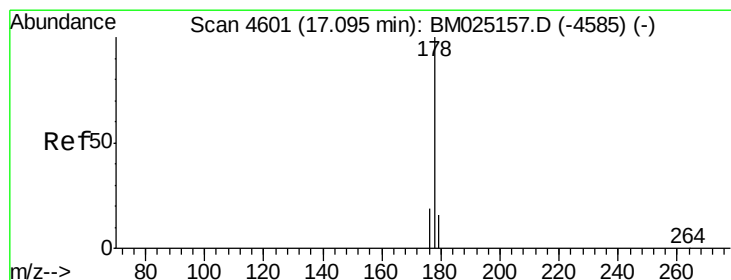
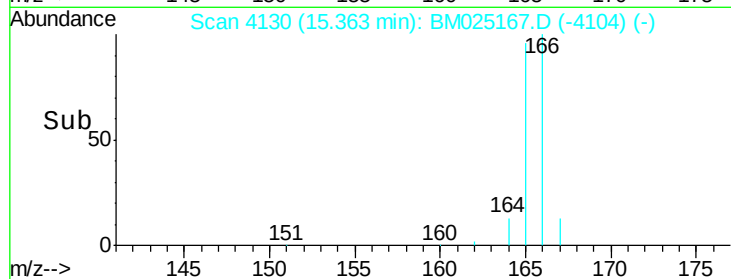
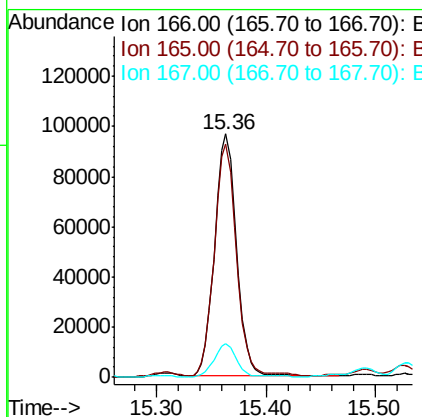
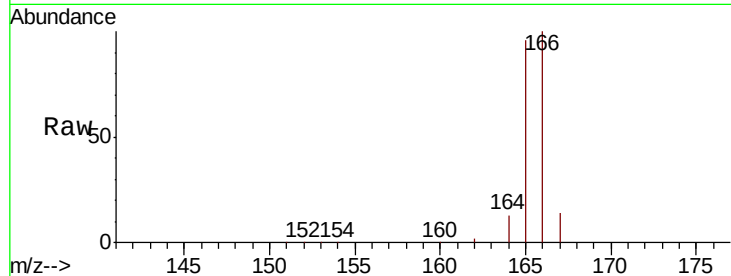
#9
Fluorene
 Concen: 3.679 ng/ul
 RT: 15.36 min Scan# 4130
 Delta R.T. 0.00 min
 Lab File: BM025167.D
 Acq: 29 Feb 2020 14:30

Instrument :
 BNA_M
 ClientSampleId :
 DBD12DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.0	80.0	120.0
167	13.6	13.7	20.5

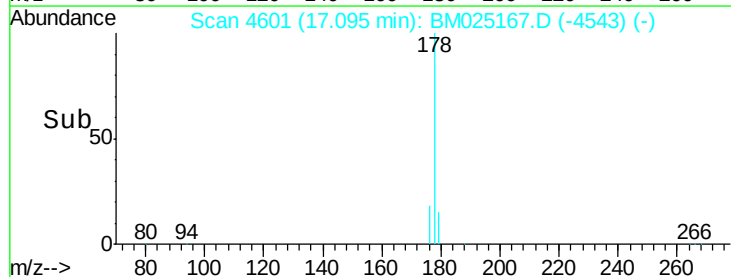
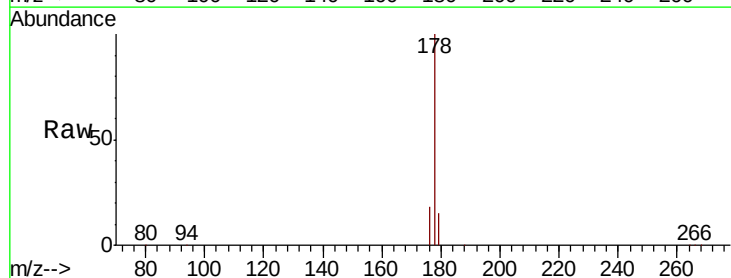
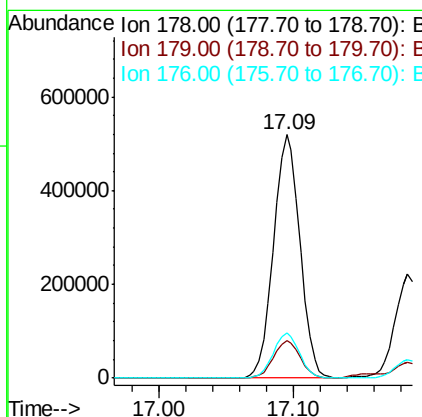
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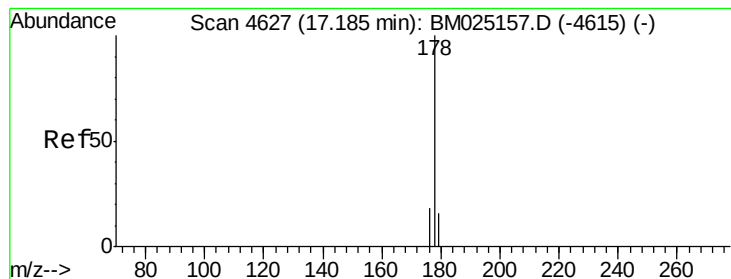
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#12
Phenanthrene
 Concen: 11.188 ng/ul
 RT: 17.09 min Scan# 4601
 Delta R.T. 0.00 min
 Lab File: BM025167.D
 Acq: 29 Feb 2020 14:30

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	14.0	21.0
176	18.4	16.6	24.8





#13

Anthracene

Concen: 4.916 ng/ul

RT: 17.18 min Scan# 4627

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Instrument :

BNA_M

ClientSampled :

DBD12DL

Tot Ion:178 Resp: 300591

Ion Ratio Lower Upper

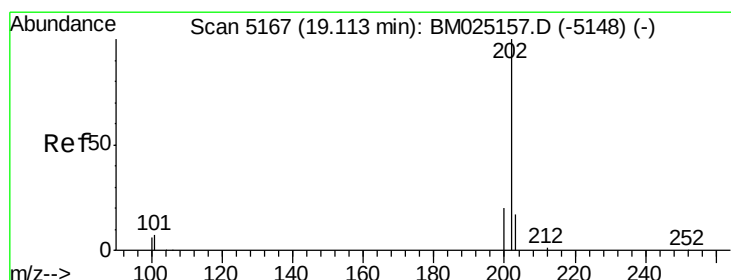
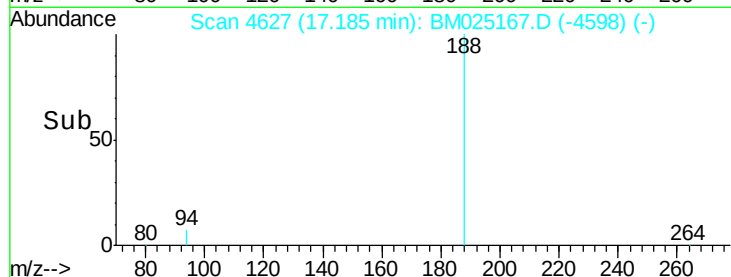
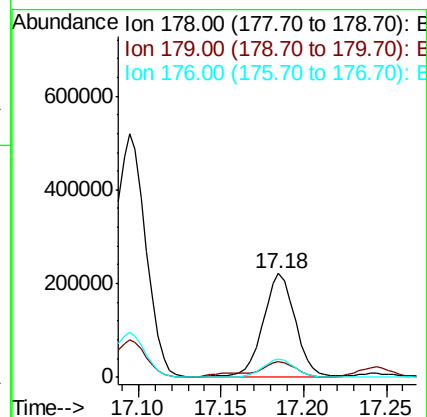
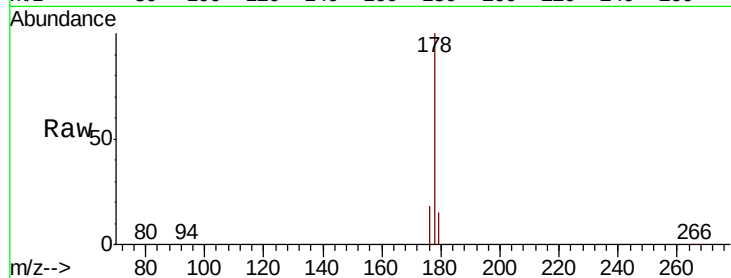
178 100

179 15.3 14.1 21.1

176 17.8 16.2 24.4

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#15

Fluoranthene

Concen: 30.083 ng/ul

RT: 19.11 min Scan# 5167

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

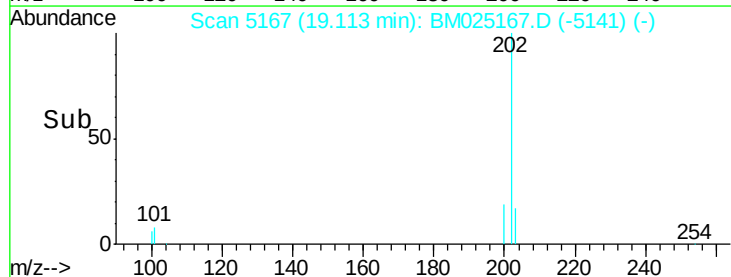
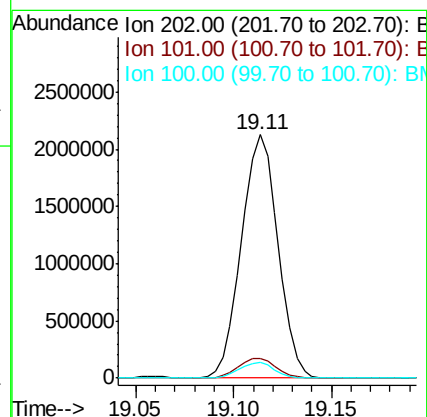
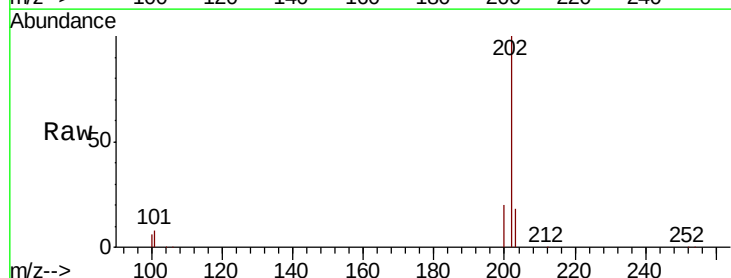
Tgt Ion:202 Resp: 2756925

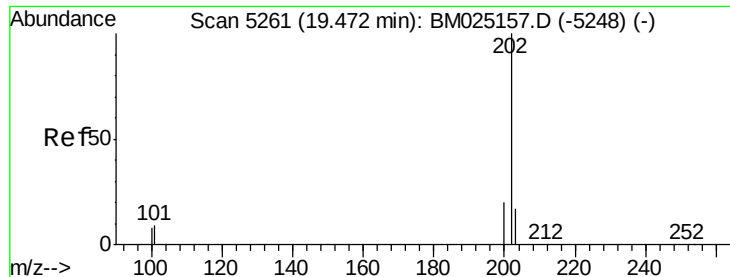
Ion Ratio Lower Upper

202 100

101 8.2 0.0 29.4

100 6.3 0.0 28.0





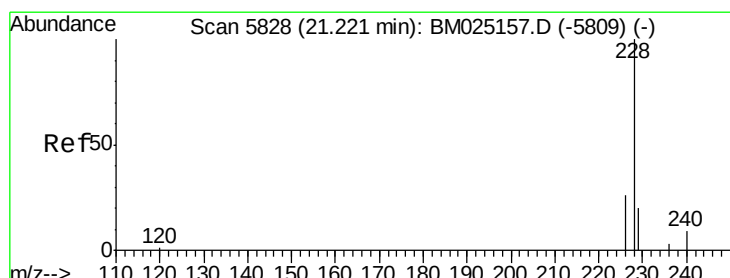
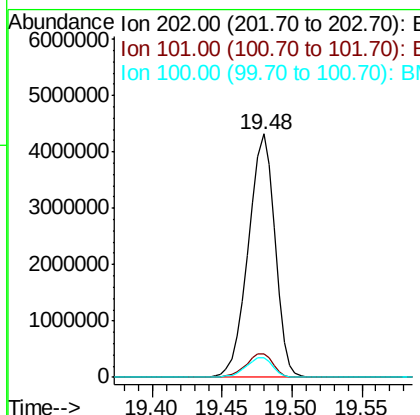
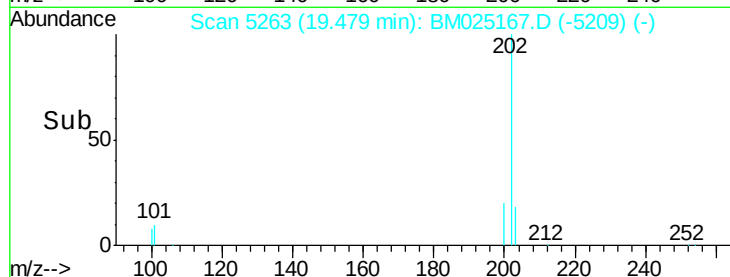
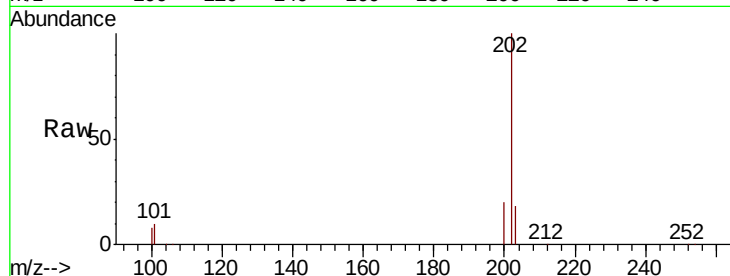
#17
Pvrene
Concen: 63.815 ng/ul
RT: 19.48 min Scan# 5263
Delta R.T. 0.01 min
Lab File: BM025167.D
Acq: 29 Feb 2020 14:30

Instrument :
BNA_M
ClientSampled :
DBD12DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	8.7	13.1
100	8.0	7.3	10.9

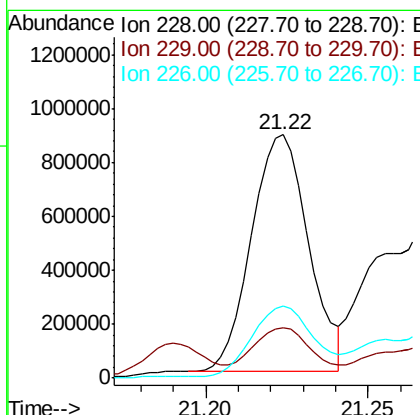
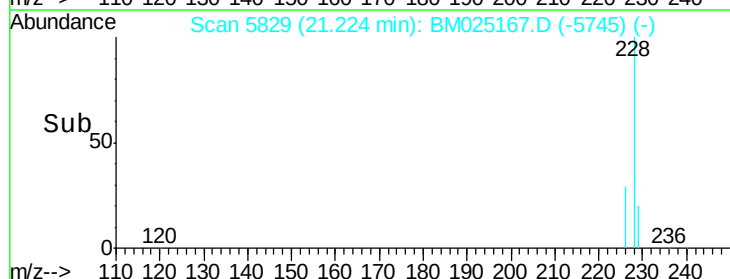
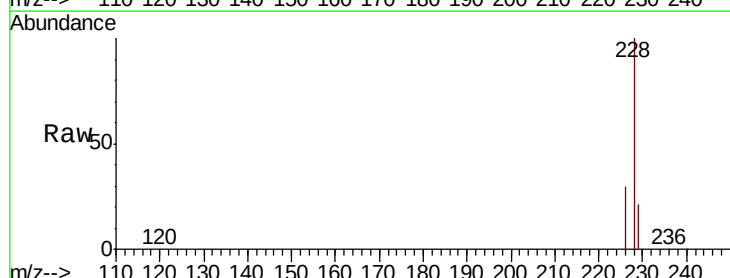
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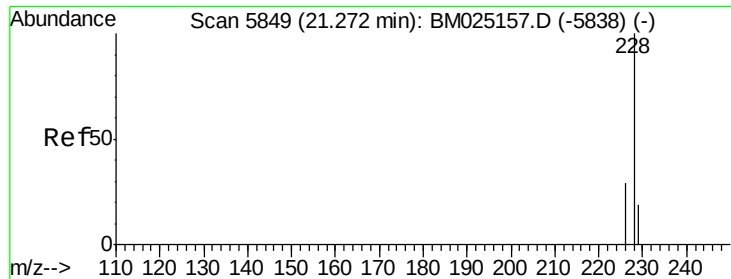
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#18
Benzo(a)anthracene
Concen: 12.530 ng/ul
RT: 21.22 min Scan# 5829
Delta R.T. 0.00 min
Lab File: BM025167.D
Acq: 29 Feb 2020 14:30

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.6	25.0
226	29.6	21.9	32.9





#19

Chrysene

Concen: 16.397 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Instrument :

BNA_M

ClientSampleId :

DBD12DL

Tot Ion:228 Resp: 1404012

Ion Ratio Lower Upper

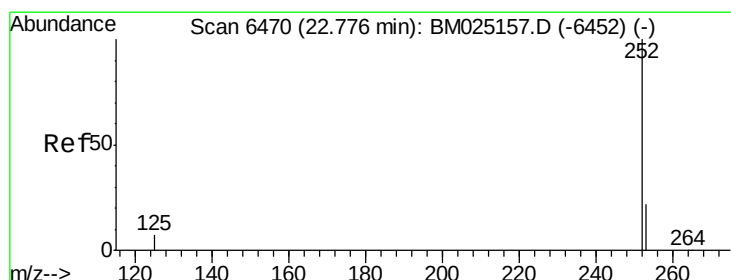
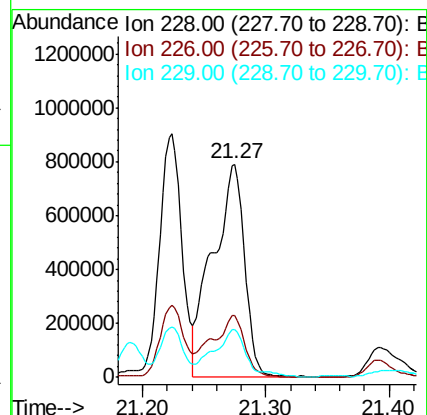
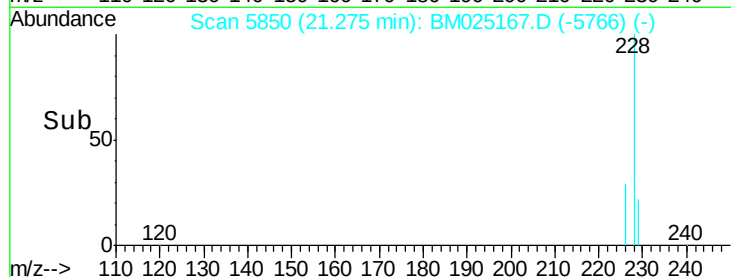
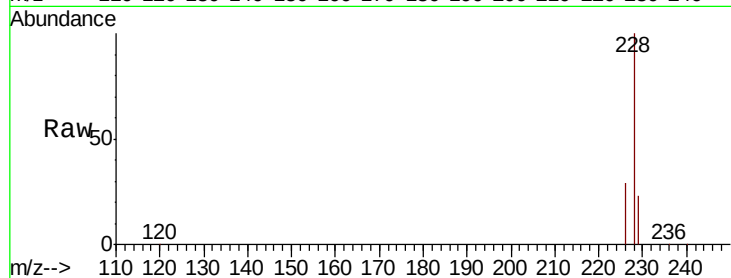
228 100

226 28.9 23.8 35.8

229 22.6 16.9 25.3

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#21

Benzo(b)fluoranthene

Concen: 18.643 ng/ul m

RT: 22.79 min Scan# 6474

Delta R.T. 0.01 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

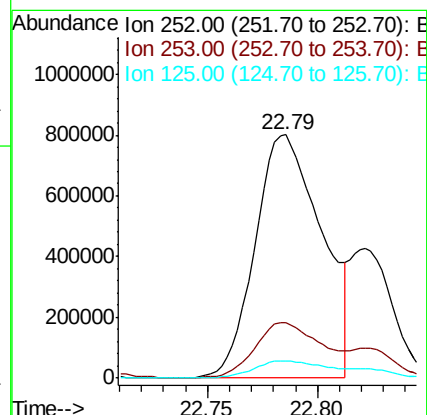
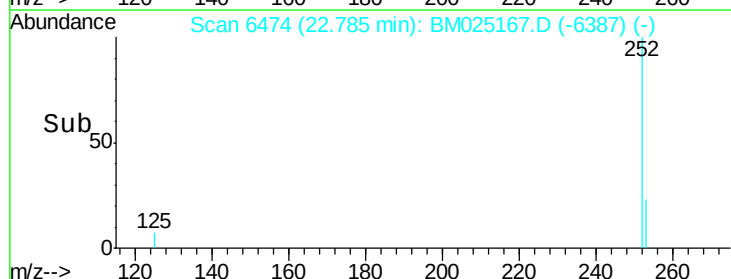
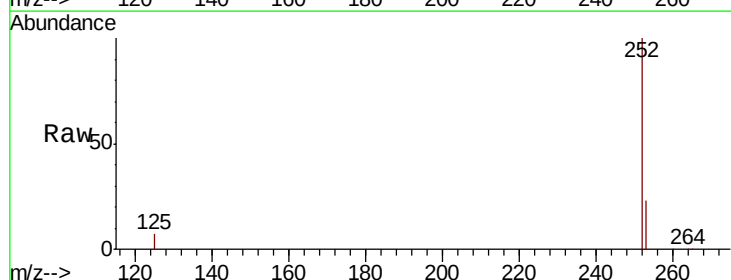
Tgt Ion:252 Resp: 1682744

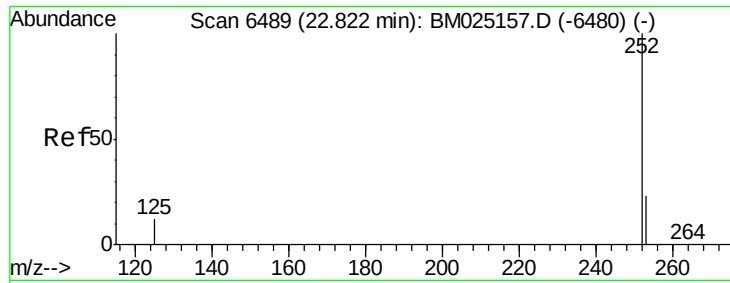
Ion Ratio Lower Upper

252 100

253 22.8 0.0 49.8

125 7.1 0.0 28.6





#22

Benzo(k)fluoranthene

Concen: 6.358 ng/ul m

RT: 22.82 min Scan# 6489

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Instrument :

BNA_M

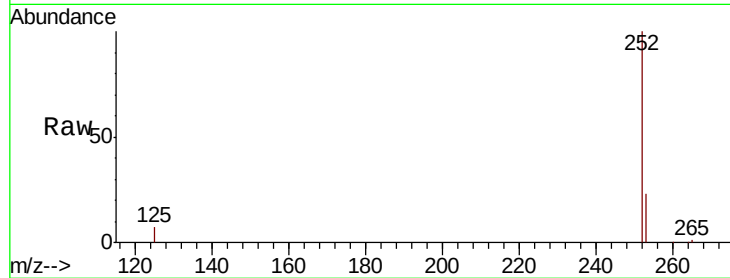
ClientSampled :

DBD12DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.4	29.0
125	7.3	10.7	16.1

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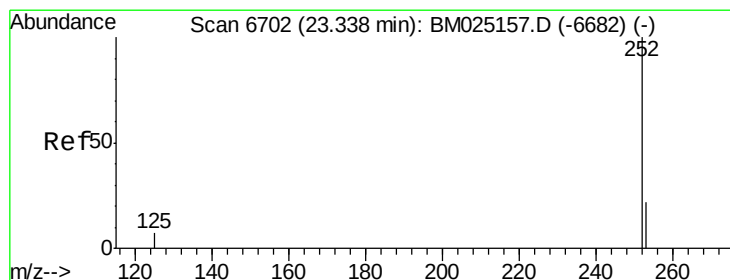
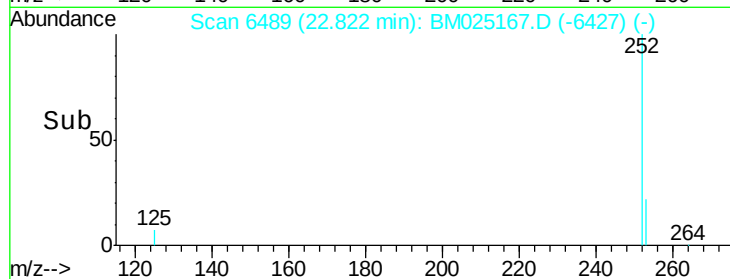
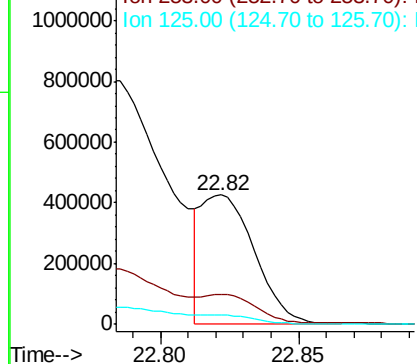


Abundance

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



#23

Benzo(a)pyrene

Concen: 8.226 ng/ul

RT: 23.34 min Scan# 6703

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

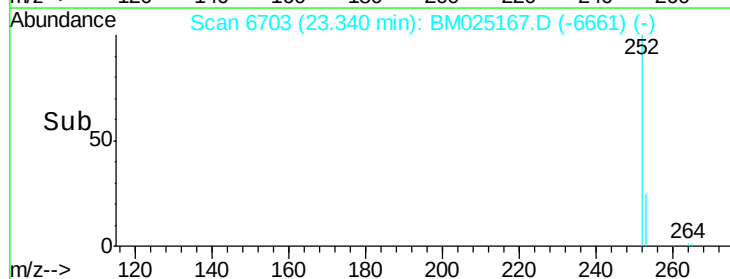
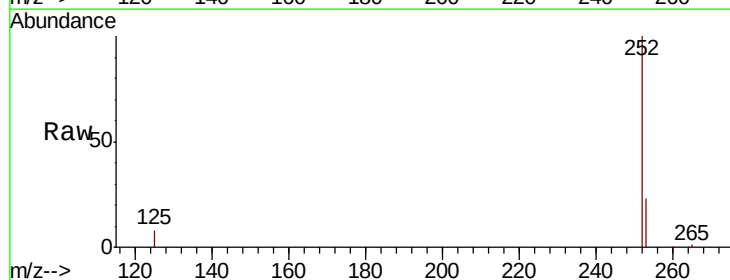
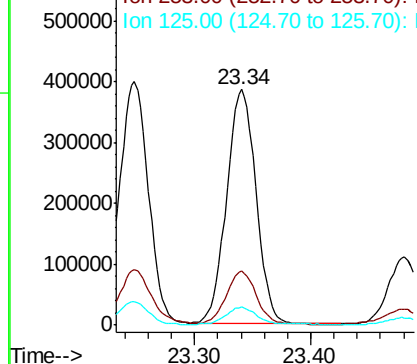
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	20.3	30.5
125	7.6	13.0	19.4

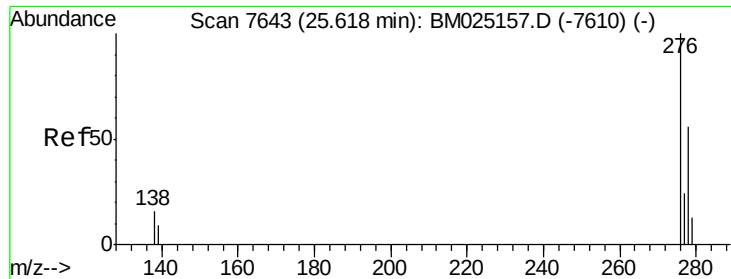
Abundance

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





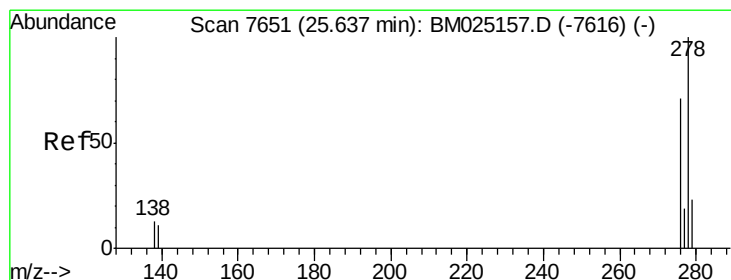
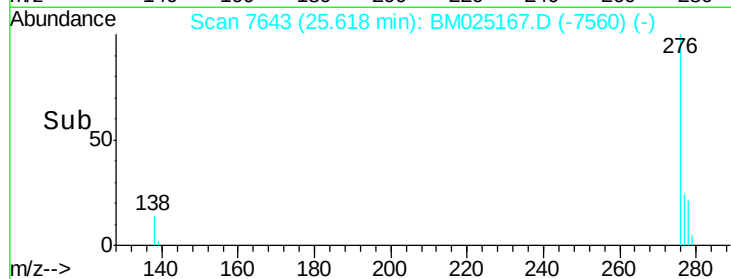
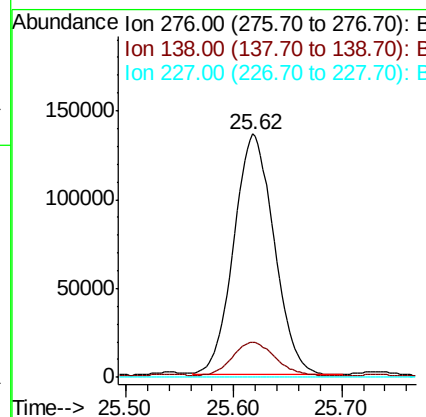
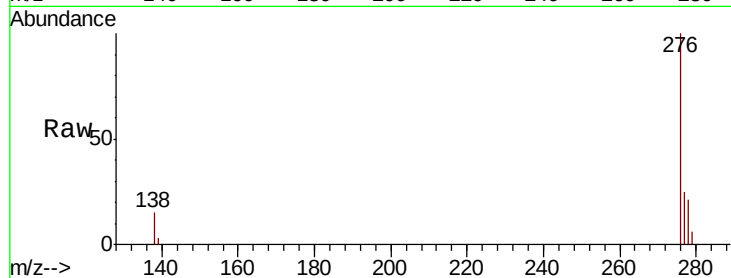
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.399 ng/ul
 RT: 25.62 min Scan# 7643
 Delta R.T. 0.00 min
 Lab File: BM025167.D
 Acq: 29 Feb 2020 14:30

Instrument :
 BNA_M
 ClientSampleId :
 DBD12DL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	15.2	0.0	0.0#
227	0.0	0.0	0.0

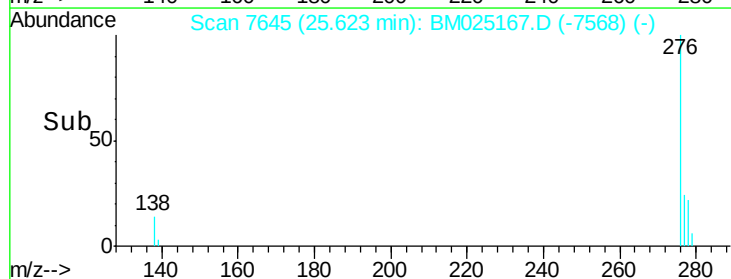
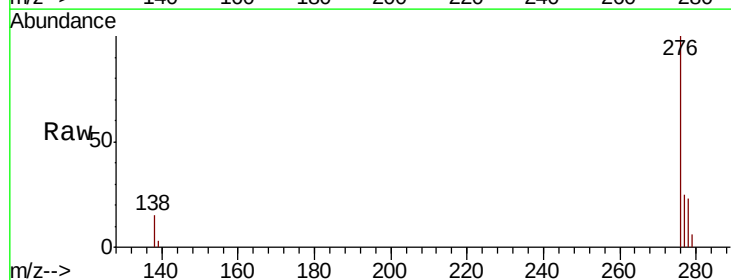
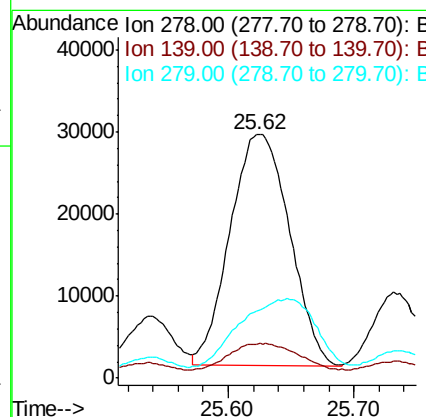
Manual Integrations
 APPROVED

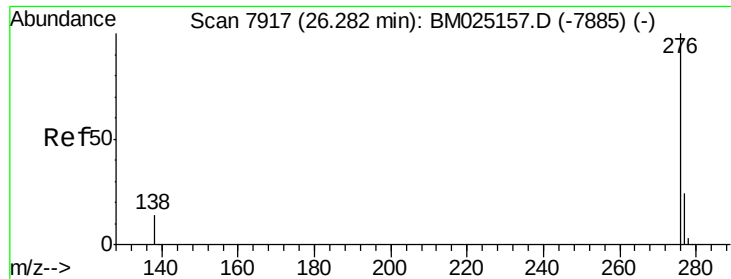
Sohil
 3/3/2020 8:39:41 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.074 ng/ul
 RT: 25.62 min Scan# 7645
 Delta R.T. -0.01 min
 Lab File: BM025167.D
 Acq: 29 Feb 2020 14:30

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	14.0	13.2	19.8
279	27.5	21.0	31.4





#26

Benzo(a,h,i)perylene

Concen: 2.547 ng/ul

RT: 26.28 min Scan# 7918

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Instrument :

BNA_M

ClientSampleId :

DBD12DL

Tot Ion:	276	Resp:	221610
Ion Ratio	Lower	Upper	
276	100		
138	15.4	17.9	26.9#
277	24.0	20.5	30.7

Manual Integrations
APPROVED

Sohil
3/3/2020 8:39:41 AM

