

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031320\
 Data File : BM025562.D
 Acq On : 14 Mar 2020 04:27
 Operator : CG/JU
 Sample : L1786-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC7

Manual Integrations
 APPROVED

mohammad
 3/16/2020 1:52:52 PM

Quant Time: Mar 16 07:22:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 06:44:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	3375	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	15171	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	10300	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	21169	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	14330	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	14689	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	2552	0.09	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	5404	0.09	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.47	128	55237	1.230	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	14421	0.449	ng/ul	99
7) Acenaphthylene	14.00	152	12376	0.294	ng/ul#	86
8) Acenaphthene	14.34	153	54612	1.480	ng/ul	98
9) Fluorene	15.33	166	81655	1.815	ng/ul	99
12) Phenanthrene	17.06	178	822028	12.253	ng/ul	99
13) Anthracene	17.15	178	219795	3.765	ng/ul	100
15) Fluoranthene	19.08	202	1096985	15.084	ng/ul	97
17) Pyrene	19.45	202	803038	12.485	ng/ul	98
18) Benzo(a)anthracene	21.20	228	464137	9.059	ng/ul	99
19) Chrysene	21.25	228	397943	6.917	ng/ul	97
21) Benzo(b)fluoranthene	22.75	252	467800m	8.043	ng/ul	
22) Benzo(k)fluoranthene	22.79	252	182319m	2.992	ng/ul	
23) Benzo(a)pyrene	23.30	252	310399	6.426	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.56	276	194666	2.971	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.57	278	61727	1.120	ng/ul	98
26) Benzo(a,h,i)perylene	26.22	276	127095	2.236	ng/ul	98

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

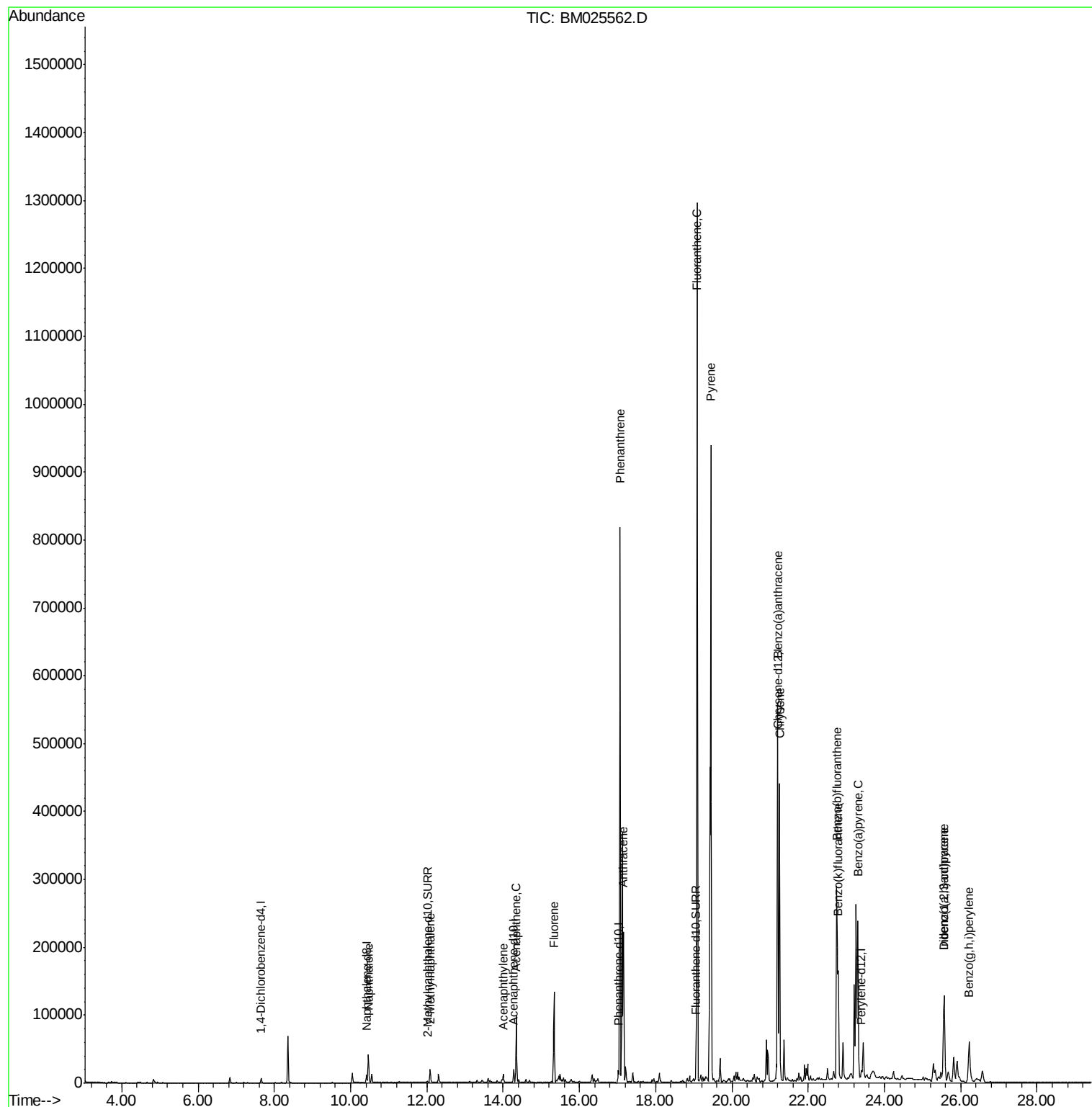
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031320\
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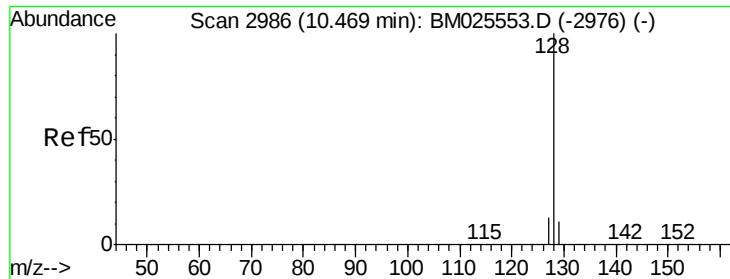
Instrument :
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Manual Integrations
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Quant Time: Mar 16 07:22:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 06:44:28 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.230 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Instrument :

BNA_M

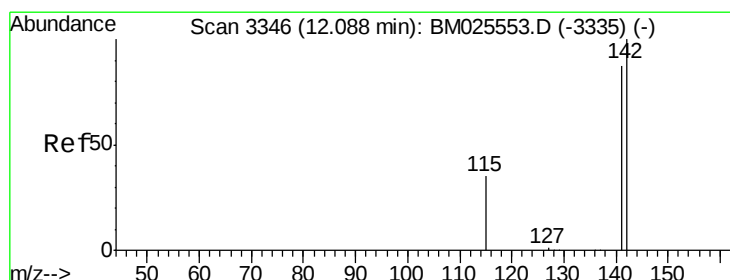
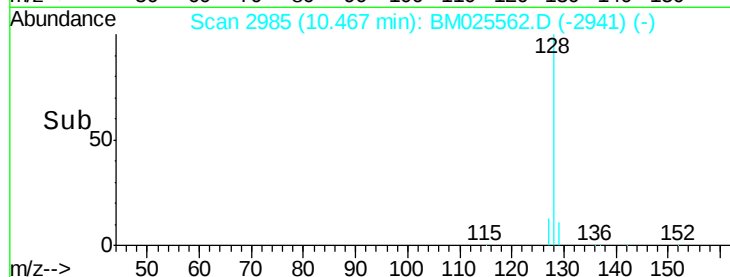
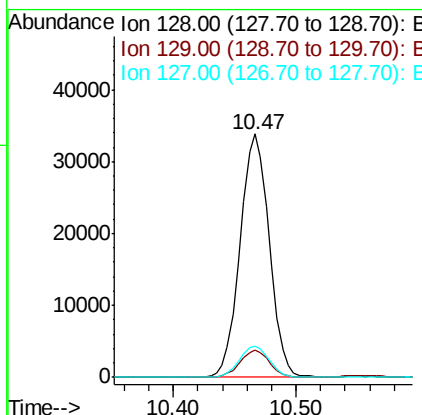
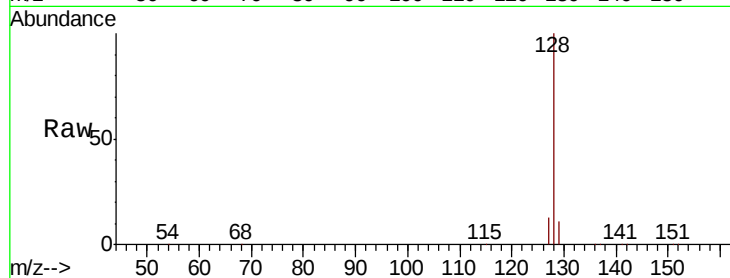
ClientSampleId :

C0AC7

Tot Ion:	128	Resp:	55237
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.4	14.0
127	12.6	10.9	16.3

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#5

2-Methylnaphthalene

Concen: 0.449 ng/ul

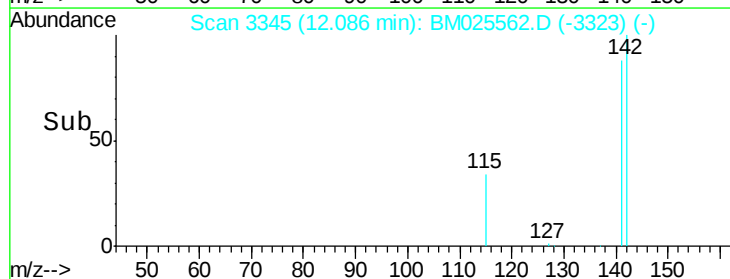
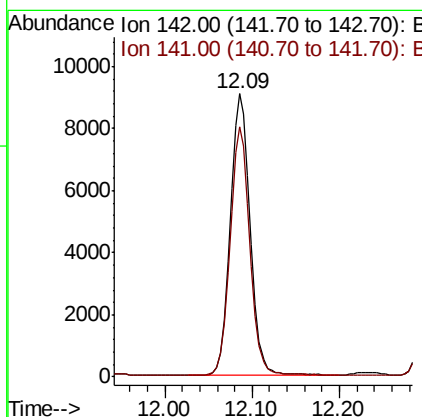
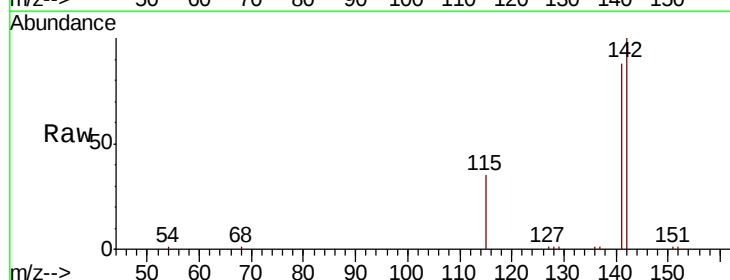
RT: 12.09 min Scan# 3345

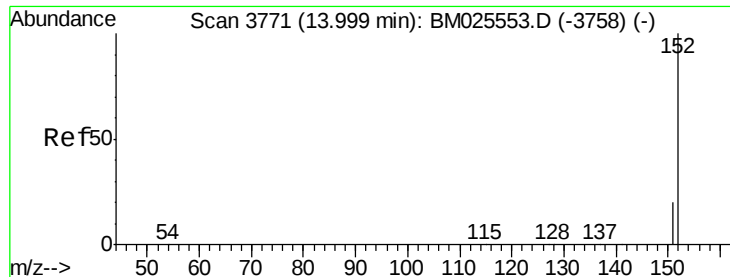
Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Tgt Ion:	142	Resp:	14421
Ion Ratio	Lower	Upper	
142	100		
141	88.2	69.8	104.6





#7

Acenaphthylene

Concen: 0.294 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Instrument :

BNA_M

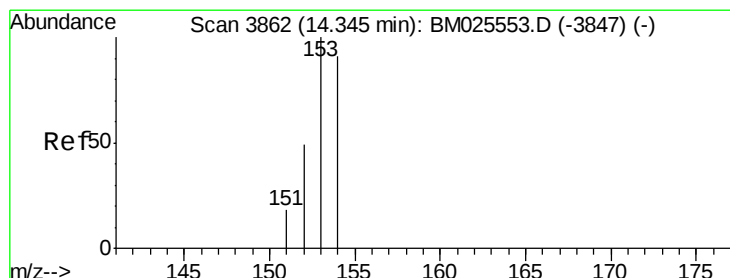
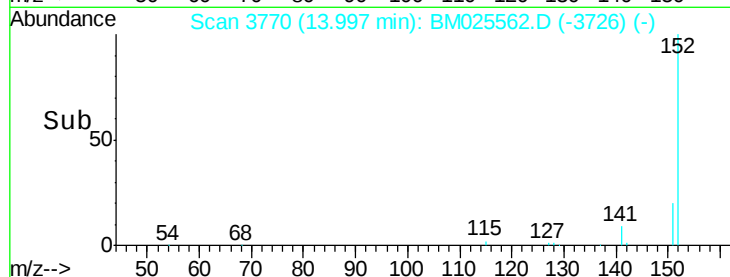
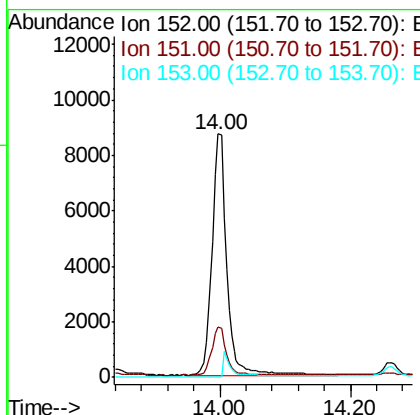
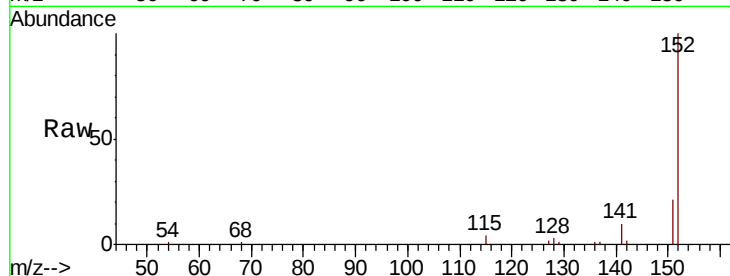
ClientSampleId :

C0AC7

Tot Ion:	152	Resp:	12376
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.2	24.2
153	0.0	10.6	16.0#

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#8

Acenaphthene

Concen: 1.480 ng/ul

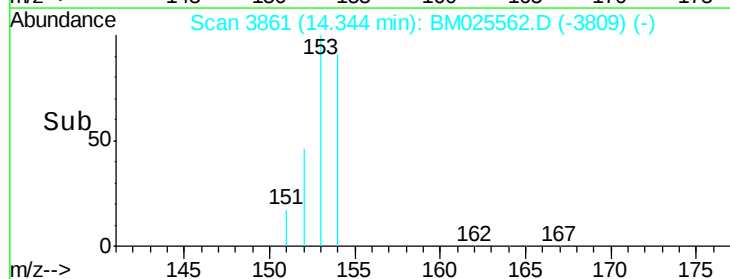
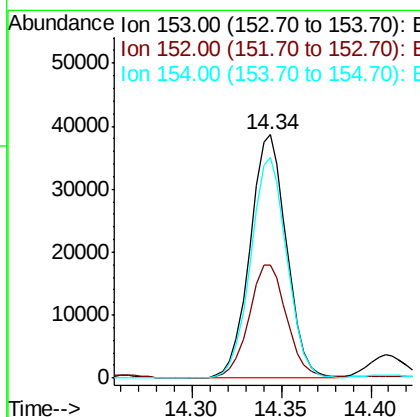
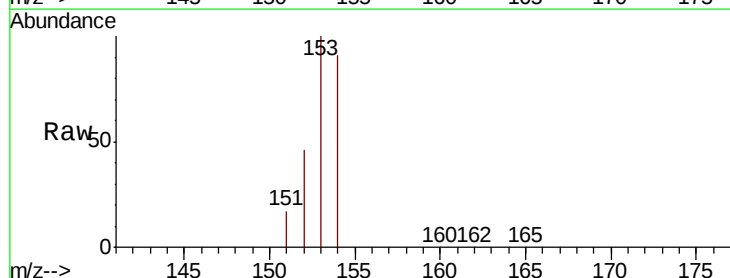
RT: 14.34 min Scan# 3861

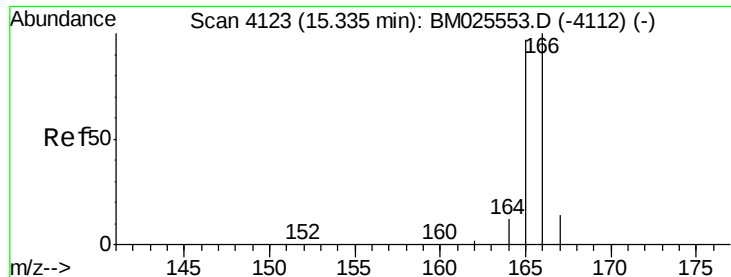
Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Tgt Ion:	153	Resp:	54612
Ion Ratio	Lower	Upper	
153	100		
152	46.4	39.5	59.3
154	90.6	71.7	107.5





#9

Fluorene

Concen: 1.815 ng/ul

RT: 15.33 min Scan# 4122

Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Instrument :

BNA_M

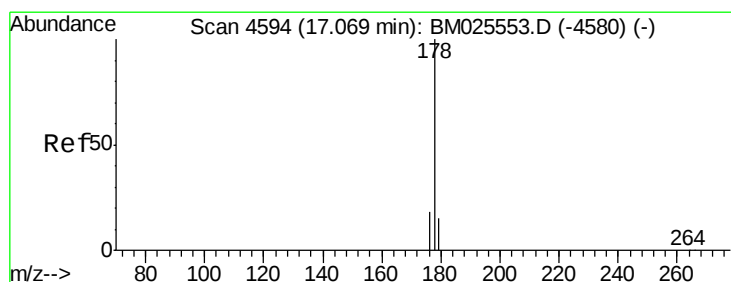
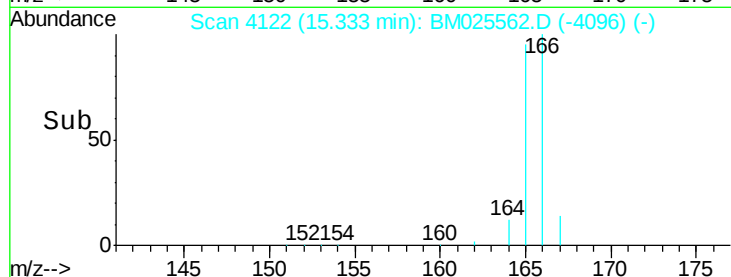
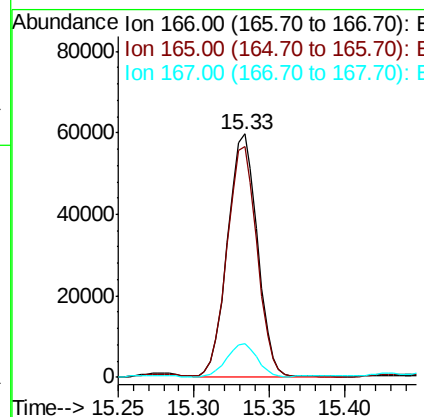
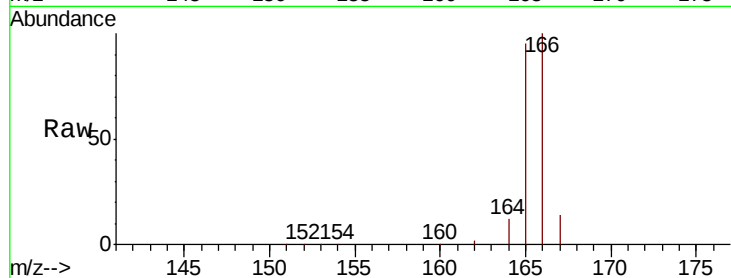
ClientSampleId :

C0AC7

Tot Ion:	166	Resp:	81655
Ion Ratio	Lower	Upper	
166	100		
165	95.0	76.8	115.2
167	13.9	11.2	16.8

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#12

Phenanthrene

Concen: 12.253 ng/ul

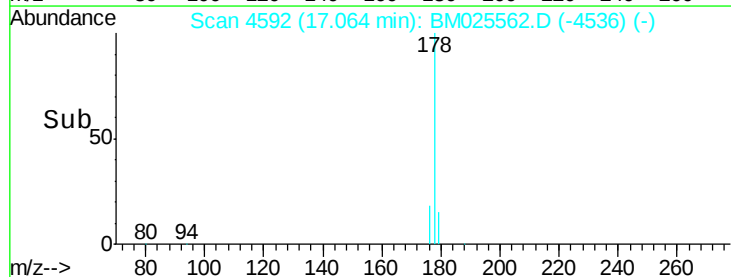
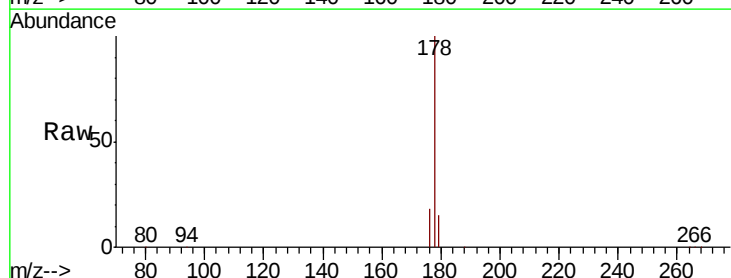
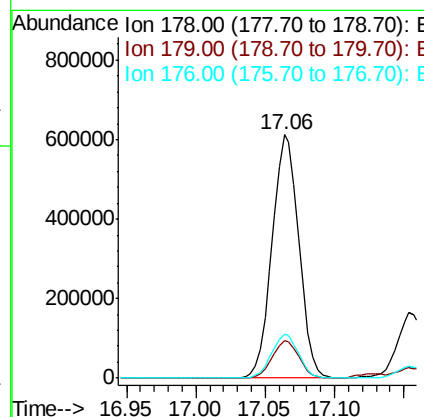
RT: 17.06 min Scan# 4592

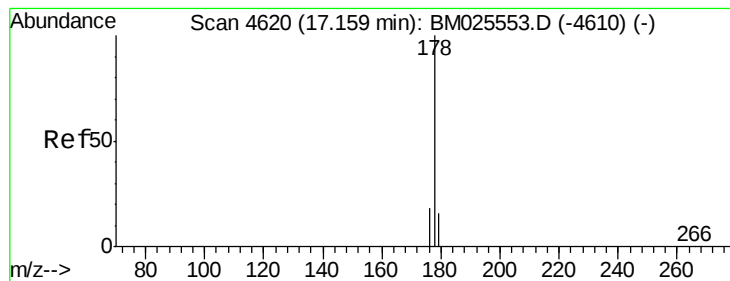
Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Tgt Ion:	178	Resp:	822028
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.4	18.6
176	18.3	14.8	22.2





#13

Anthracene

Concen: 3.765 ng/ul

RT: 17.15 min Scan# 4618

Delta R.T. -0.01 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Instrument :

BNA_M

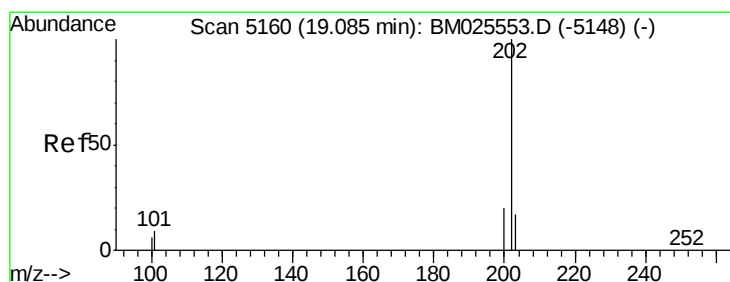
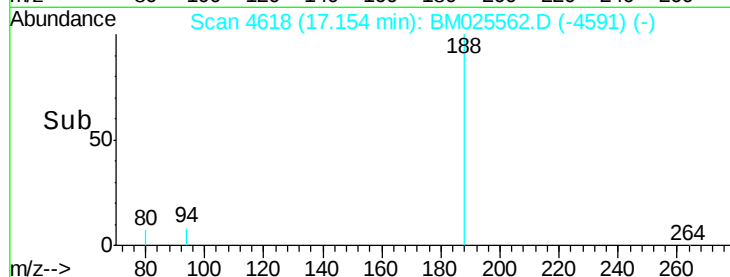
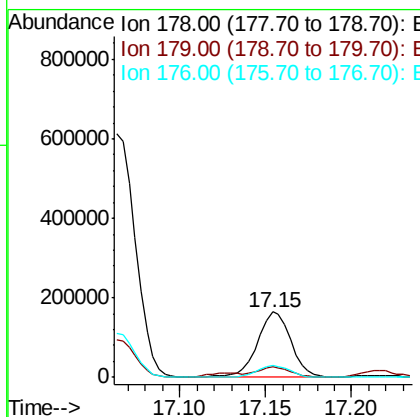
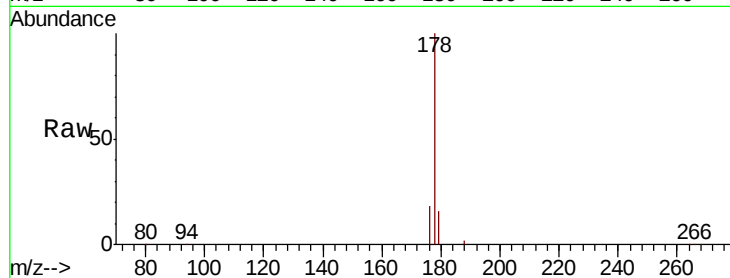
ClientSampleId :

C0AC7

Tot Ion:	178	Resp:	219795
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.6	18.8
176	17.9	14.5	21.7

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#15

Fluoranthene

Concen: 15.084 ng/ul

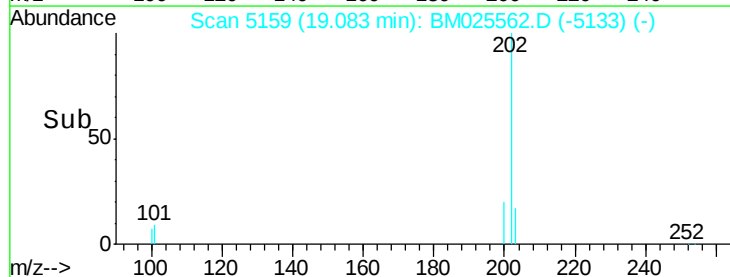
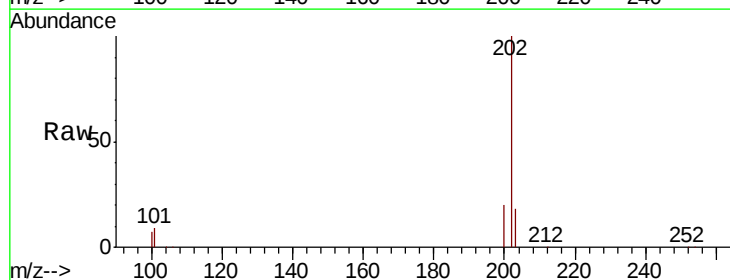
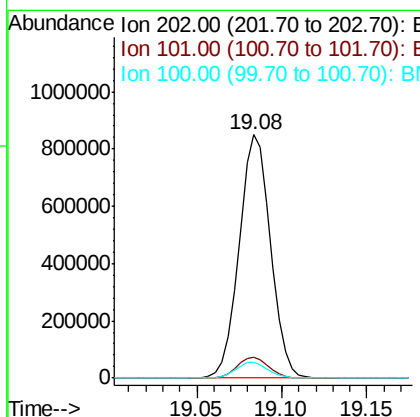
RT: 19.08 min Scan# 5159

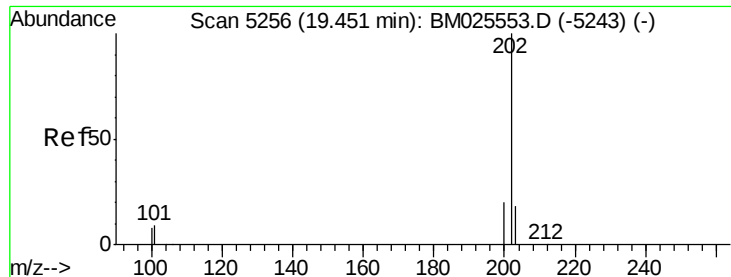
Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Tgt Ion:	202	Resp:	1096985
Ion Ratio	Lower	Upper	
202	100		
101	8.7	0.0	27.5
100	6.6	0.0	26.0





#17

Pvrene

Concen: 12.485 ng/ul

RT: 19.45 min Scan# 5254

Delta R.T. -0.01 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Instrument :

BNA_M

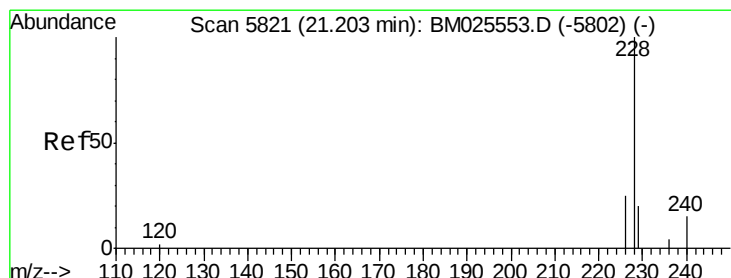
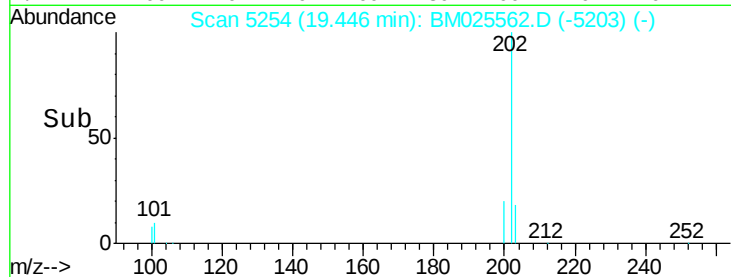
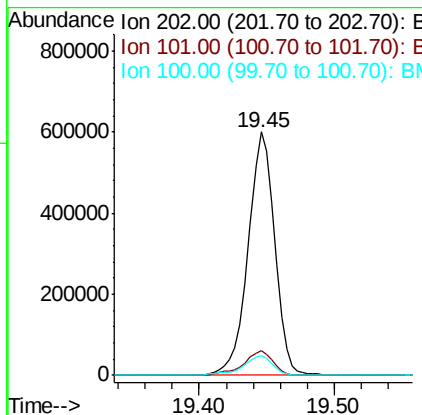
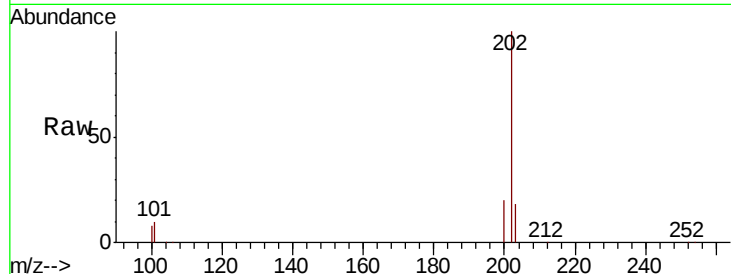
ClientSampleId :

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Tot Ion:	202	Resp:	803038
Ion Ratio	Lower	Upper	
202	100		
101	9.9	7.1	10.7
100	8.1	6.0	9.0

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#18

Benzo(a)anthracene

Concen: 9.059 ng/ul

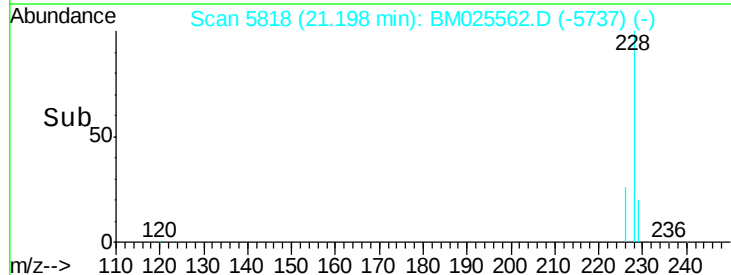
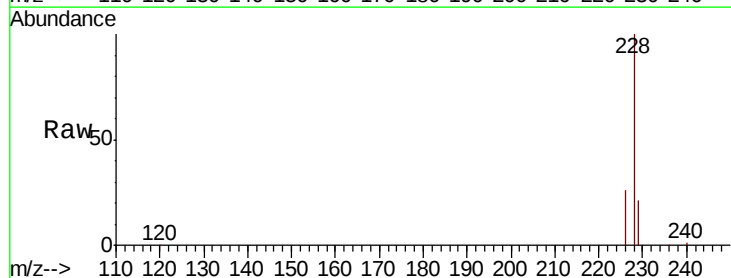
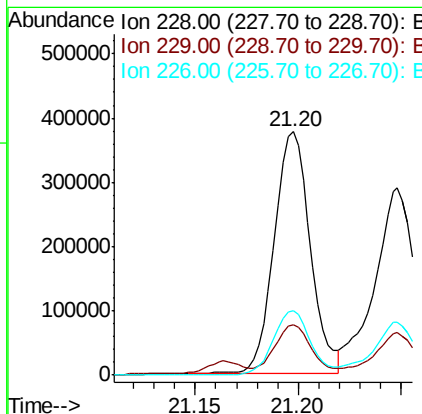
RT: 21.20 min Scan# 5818

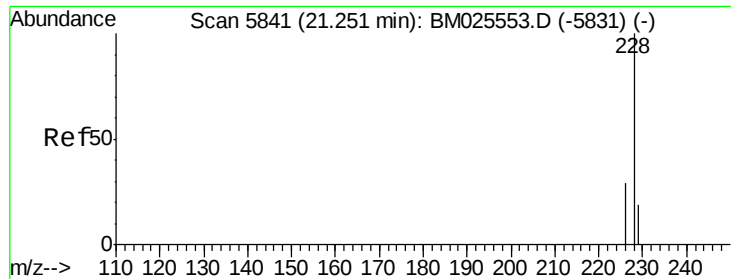
Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Tgt Ion:	228	Resp:	464137
Ion Ratio	Lower	Upper	
228	100		
229	20.6	15.6	23.4
226	26.3	21.1	31.7





#19

Chrysene

Concen: 6.917 ng/ul

RT: 21.25 min Scan# 5839

Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Instrument :

BNA_M

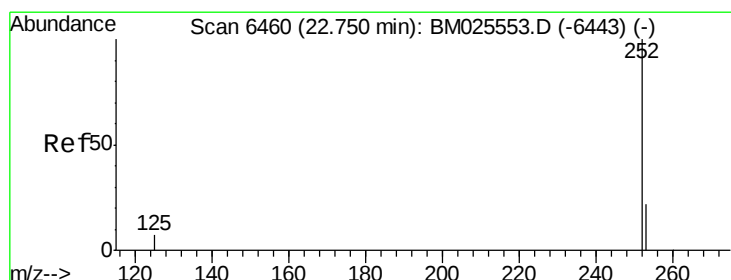
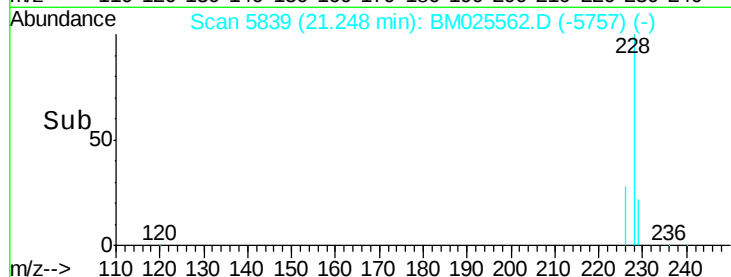
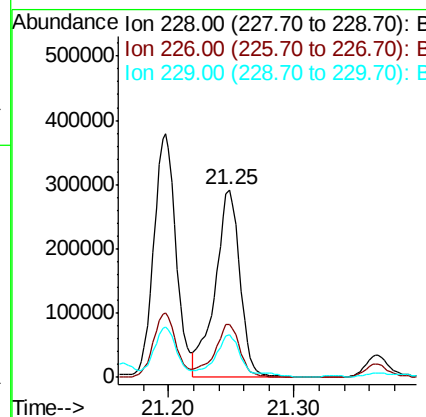
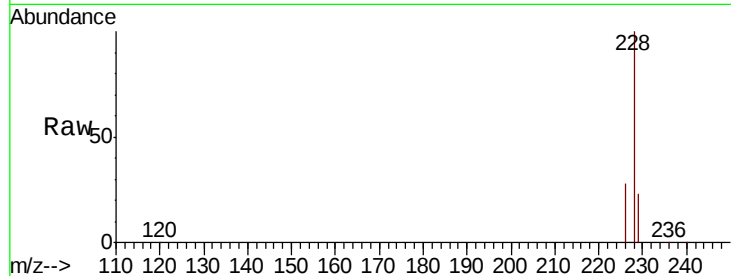
ClientSampleId :

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Tot Ion:228	Resp:	397943
Ion Ratio	Lower	Upper
228 100		
226 28.5	23.6	35.4
229 22.6	16.3	24.5

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#21

Benzo(b)fluoranthene

Concen: 8.043 ng/ul m

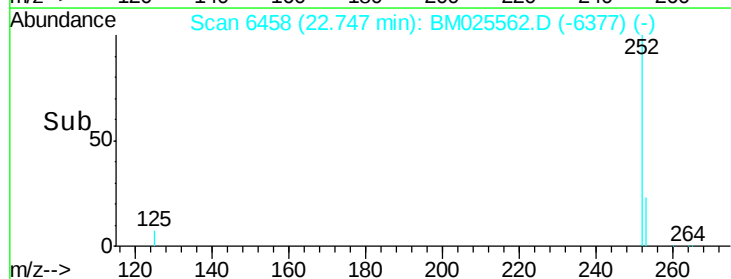
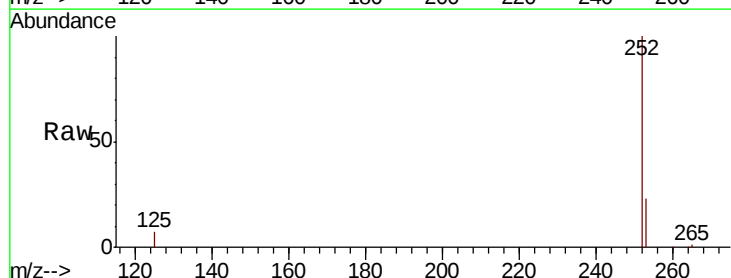
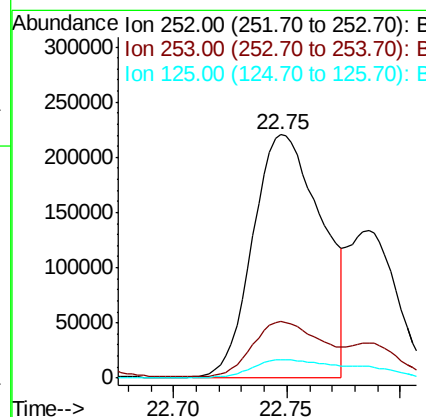
RT: 22.75 min Scan# 6458

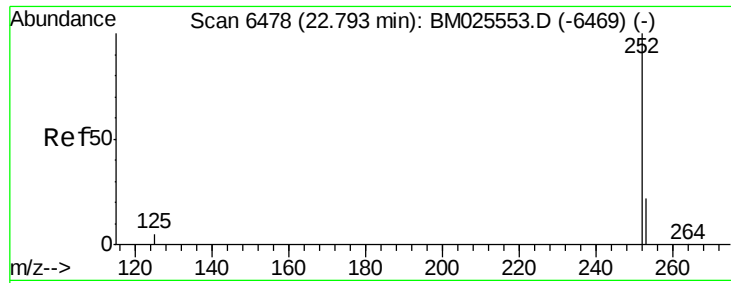
Delta R.T. -0.00 min

Lab File: BM025562.D

Acq: 14 Mar 2020 04:27

Tgt Ion:252	Resp:	467800
Ion Ratio	Lower	Upper
252 100		
253 23.1	0.0	50.2
125 7.5	0.0	17.6





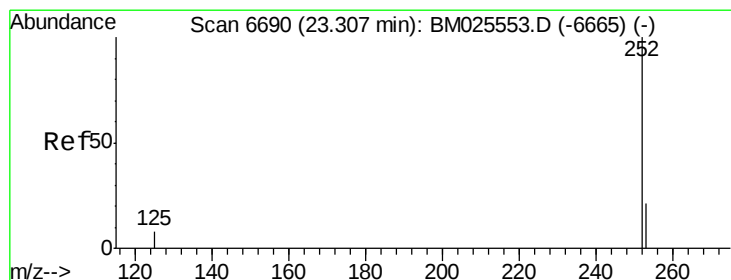
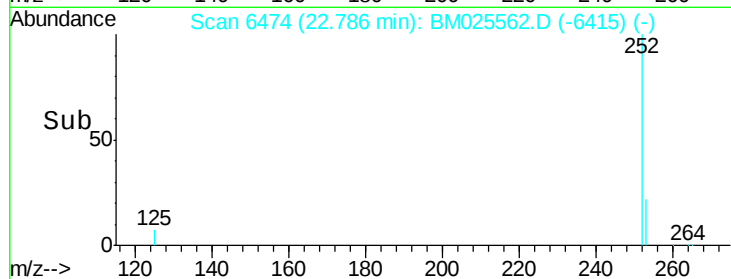
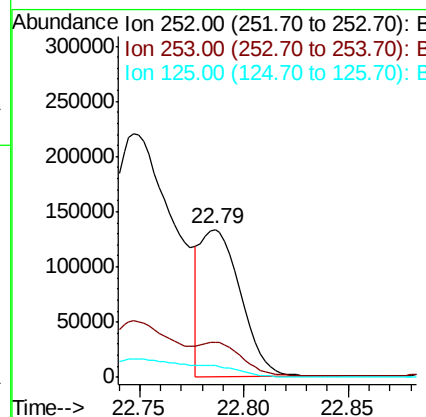
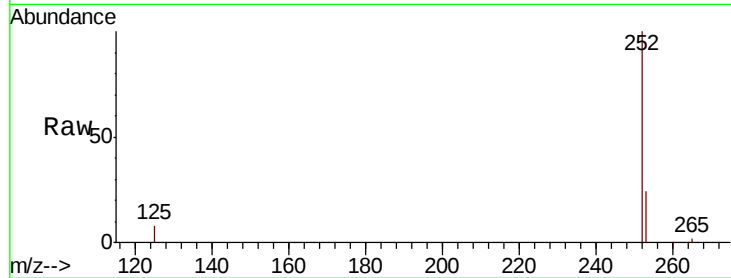
#22
Benzo(k)fluoranthene
Concen: 2.992 ng/ul
RT: 22.79 min Scan# 6474
Delta R.T. -0.01 min
Lab File: BM025562.D
Acq: 14 Mar 2020 04:27

Instrument :
BNA_M
ClientSampleId :
C0AC7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.8	29.8
125	7.6	7.1	10.7

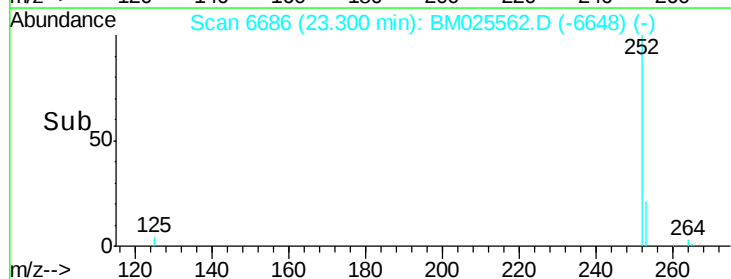
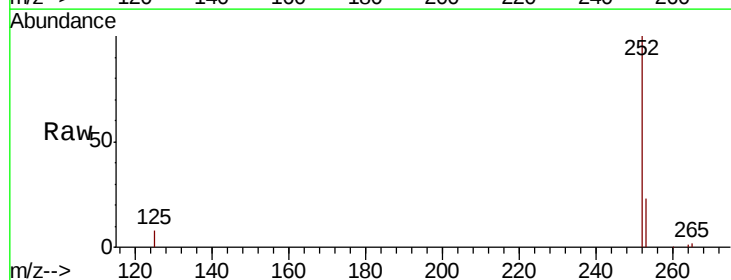
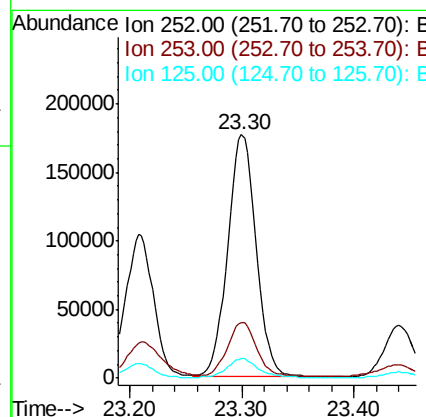
Manual Integrations
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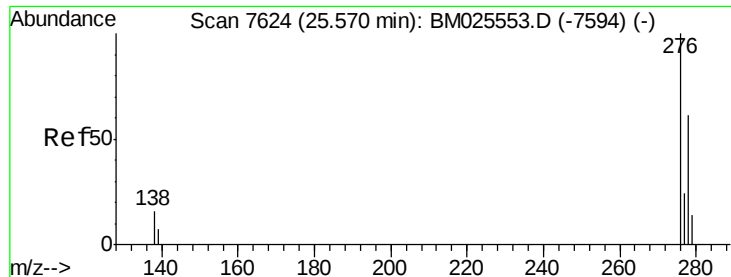
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#23
Benzo(a)pyrene
Concen: 6.426 ng/ul
RT: 23.30 min Scan# 6686
Delta R.T. -0.01 min
Lab File: BM025562.D
Acq: 14 Mar 2020 04:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	21.3	31.9
125	7.9	8.5	12.7#





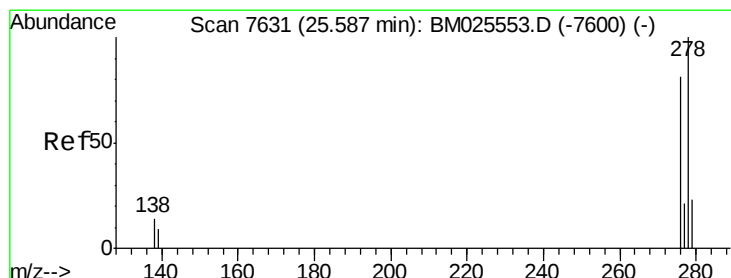
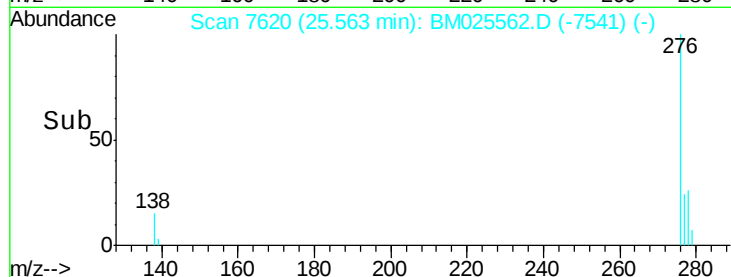
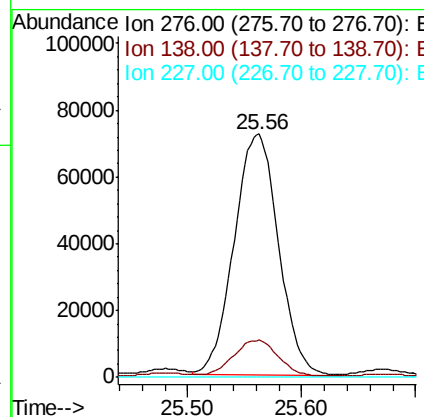
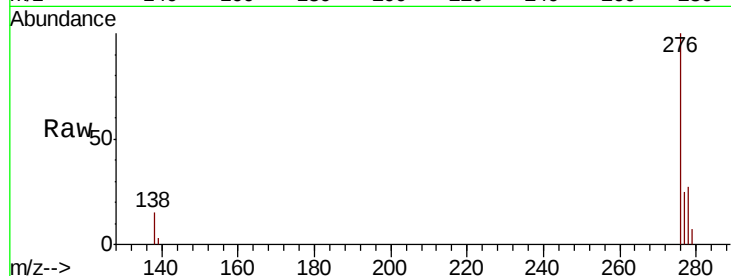
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.971 ng/ul
 RT: 25.56 min Scan# 7620
 Delta R.T. -0.01 min
 Lab File: BM025562.D
 Acq: 14 Mar 2020 04:27

Instrument :
 BNA_M
 ClientSampleId :
 C0AC7

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.3	12.3	18.5
227	0.0	0.0	0.0

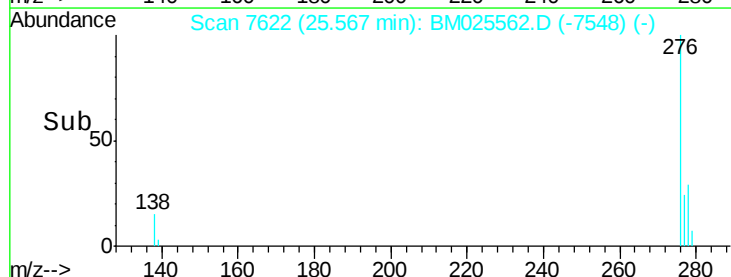
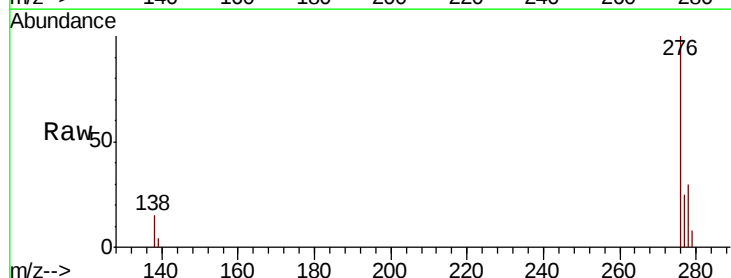
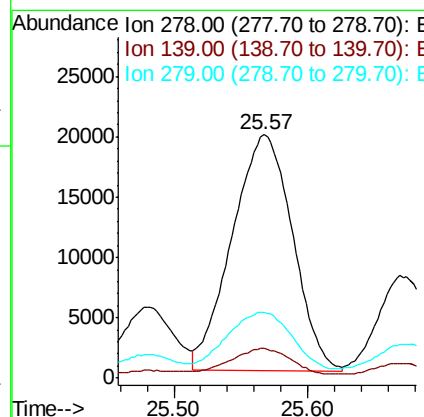
Manual Integrations
 APPROVED

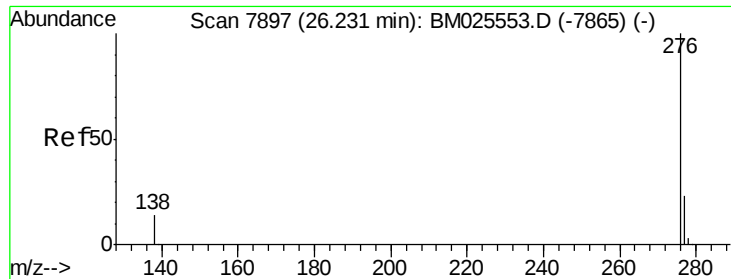
mohammad
 3/16/2020 1:52:52 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.120 ng/ul
 RT: 25.57 min Scan# 7622
 Delta R.T. -0.02 min
 Lab File: BM025562.D
 Acq: 14 Mar 2020 04:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.2	9.0	13.6
279	27.2	21.1	31.7





#26
 Benzo(a,h,i)perylene
 Concen: 2.236 ng/ul
 RT: 26.22 min Scan# 7892
 Delta R.T. -0.01 min
 Lab File: BM025562.D
 Acq: 14 Mar 2020 04:27

Instrument :
 BNA_M
 ClientSampleId :
 C0AC7

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.1	11.0	16.4
277	24.5	19.8	29.6

Manual Integrations
 APPROVED

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