

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060820\
 Data File : BM026297.D
 Acq On : 08 Jun 2020 21:22
 Operator : JU/CG
 Sample : L2890-05RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CHRT-24245RE

Quant Time: Jun 09 01:25:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 15:00:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	266327	20.00	ng	0.00
21) Naphthalene-d8	10.21	136	1056178	20.00	ng	0.00
39) Acenaphthene-d10	14.10	164	548493	20.00	ng	0.00
64) Phenanthrene-d10	16.85	188	937686	20.00	ng	0.00
76) Chrysene-d12	21.06	240	790837	20.00	ng	0.00
86) Perylene-d12	23.17	264	868475	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.09	112	1306536	86.74	ng	0.01
7) Phenol-d6	6.66	99	1810256	82.99	ng	0.01
23) Nitrobenzene-d5	8.60	82	1236962	57.50	ng	0.00
42) 2,4,6-Tribromophenol	15.60	330	514331	77.41	ng	0.01
45) 2-Fluorobiphenyl	12.71	172	2397505	66.35	ng	0.00
79) Terphenyl-d14	19.50	244	2349629	57.67	ng	0.00

Target Compounds

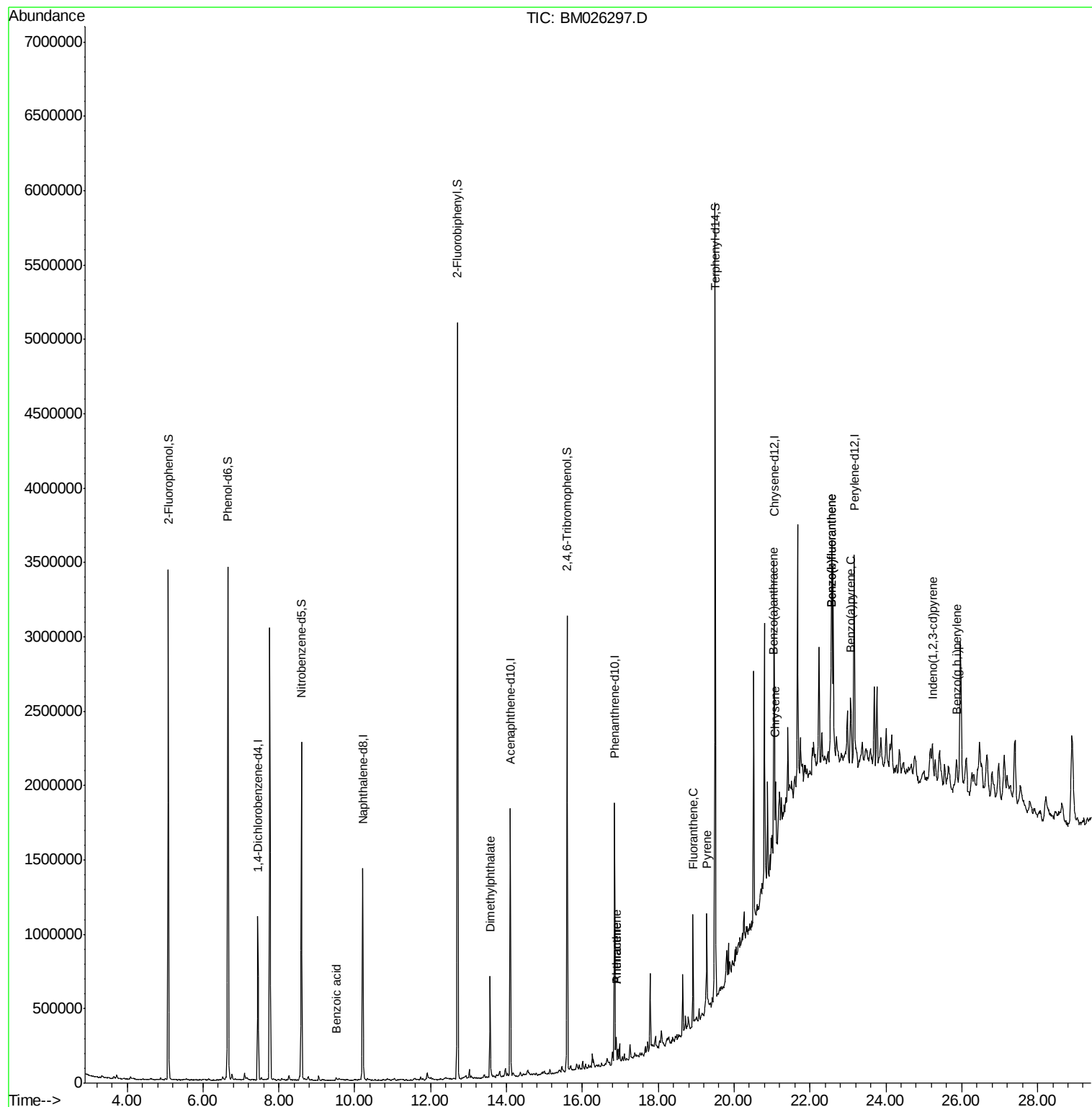
						Qvalue
32) Benzoic acid	9.51	122	7400	5.747	ng	94
50) Dimethylphthalate	13.57	163	385979	9.621	ng	100
71) Phenanthrene	16.89	178	116726	2.390	ng	97
72) Anthracene	16.89	178	116726	2.395	ng	97
75) Fluoranthene	18.92	202	444846	7.946	ng	99
78) Pyrene	19.28	202	384277	7.354	ng	99
81) Benzo(a)anthracene	21.04	228	220804	4.651	ng	95
83) Chrysene	21.09	228	247489	5.471	ng	98
87) Indeno(1,2,3-cd)pyrene	25.23	276	194530	3.872	ng	95
88) Benzo(b)fluoranthene	22.55	252	499828	9.567	ng	# 90
89) Benzo(k)fluoranthene	22.55	252	499828	9.848	ng	# 89
90) Benzo(a)pyrene	23.07	252	247264	5.329	ng	# 89
92) Benzo(a,h,i)perylene	25.86	276	196843	4.932	ng	95

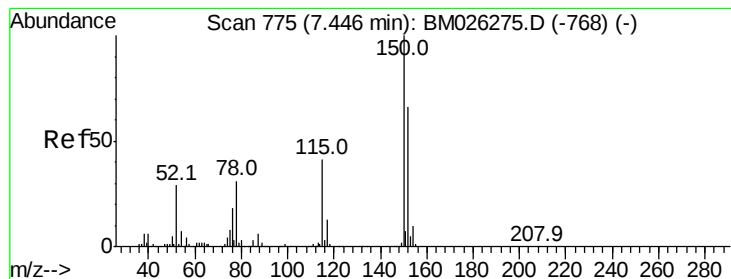
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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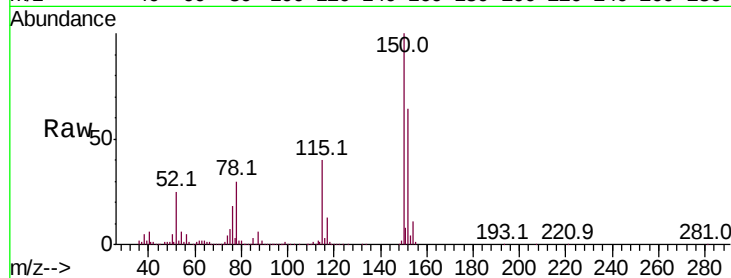


#1

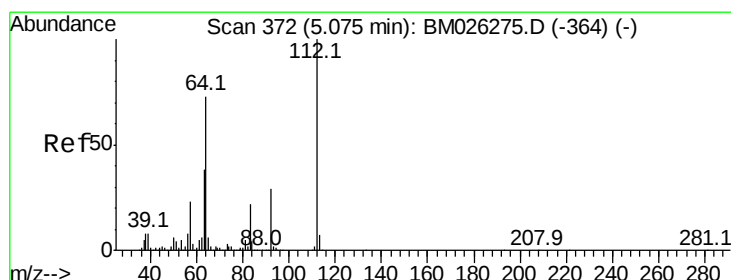
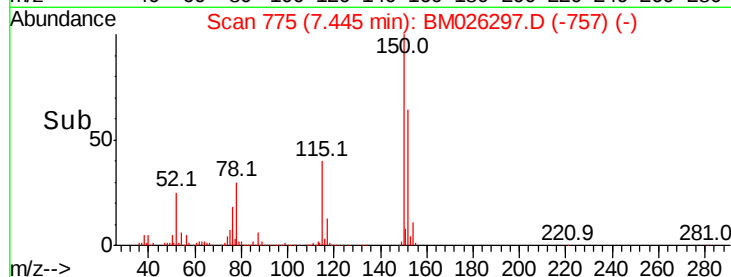
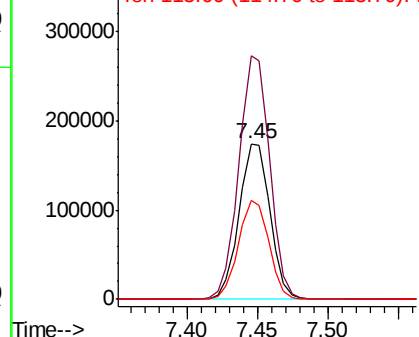
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 775
Delta R.T. 0.01 min
Lab File: BM026297.D
Acq: 08 Jun 2020 21:22

Instrument :
BNA_M
ClientSampleId :
CHRT-24245RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	122.1	183.1
115	63.4	49.7	74.5



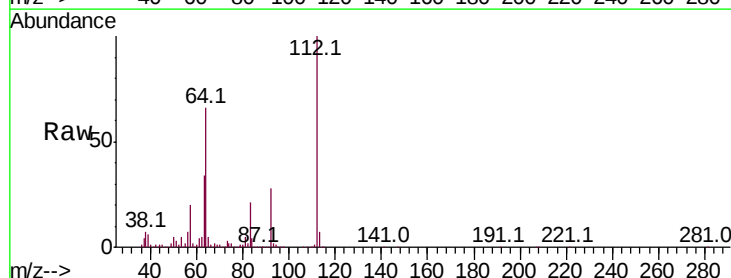
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



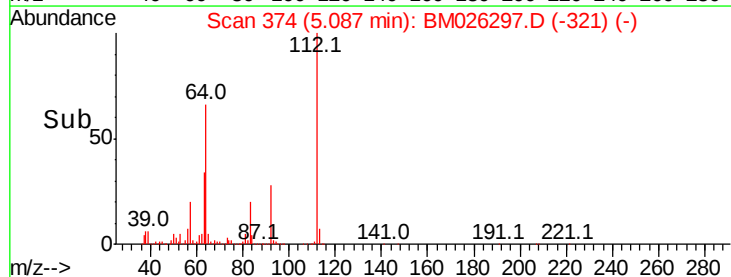
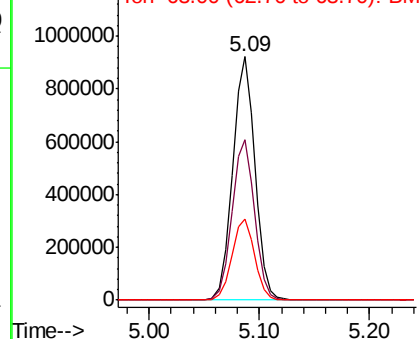
#5

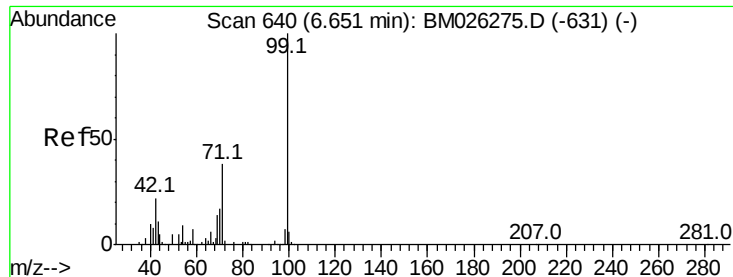
2-Fluorophenol
Concen: 86.736 ng
RT: 5.09 min Scan# 374
Delta R.T. 0.01 min
Lab File: BM026297.D
Acq: 08 Jun 2020 21:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	58.1	87.1
63	33.5	30.6	45.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 82.991 ng

RT: 6.66 min Scan# 641

Delta R.T. 0.01 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

Instrument :

BNA_M

ClientSampleId :

CHRT-24245RE

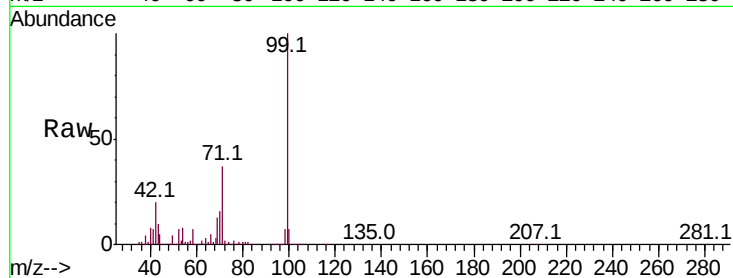
Tot Ion: 99 Resp: 1810256

Ion Ratio Lower Upper

99 100

42 19.9 18.0 27.0

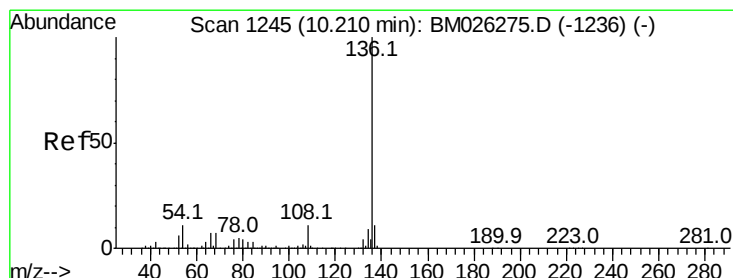
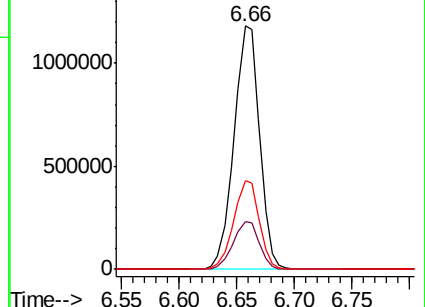
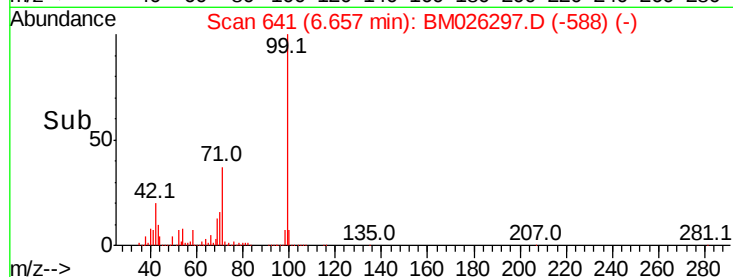
71 36.7 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BM026297.D (-588) (-)

Ion 42.00 (41.70 to 42.70): BM026297.D (-588) (-)

Ion 71.00 (70.70 to 71.70): BM026297.D (-588) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.21 min Scan# 1245

Delta R.T. 0.01 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

Tgt Ion: 136 Resp: 1056178

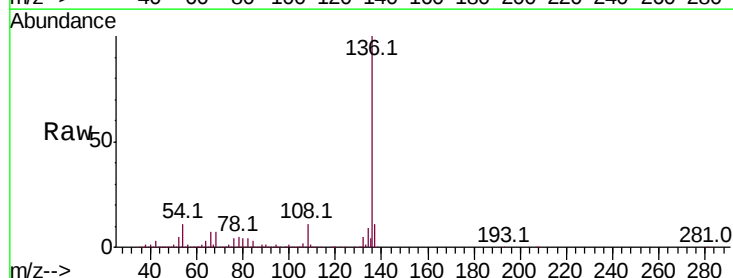
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 10.7 9.0 13.4

68 6.9 5.6 8.4

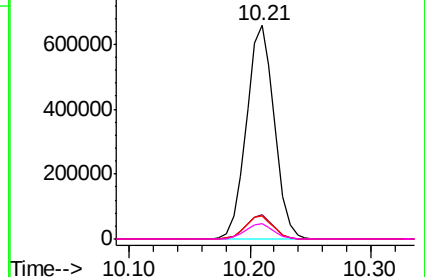
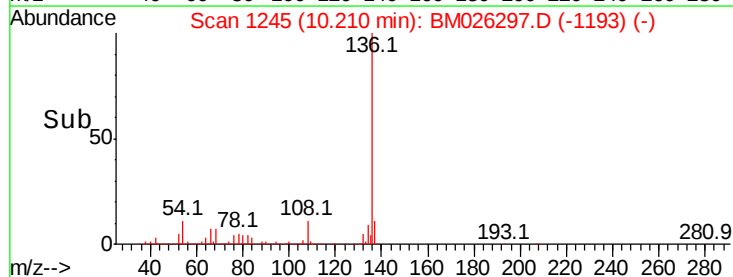


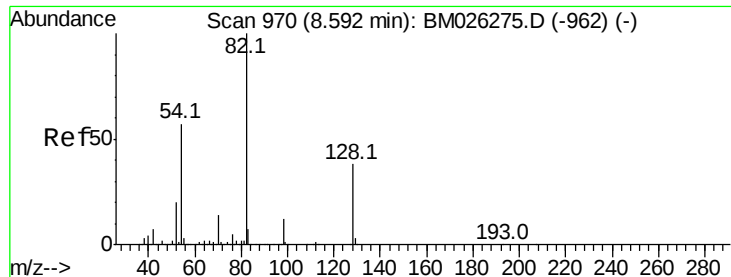
Abundance Ion 136.00 (135.70 to 136.70): BM026297.D (-1193) (-)

Ion 137.00 (136.70 to 137.70): BM026297.D (-1193) (-)

Ion 54.00 (53.70 to 54.70): BM026297.D (-1193) (-)

Ion 68.00 (67.70 to 68.70): BM026297.D (-1193) (-)



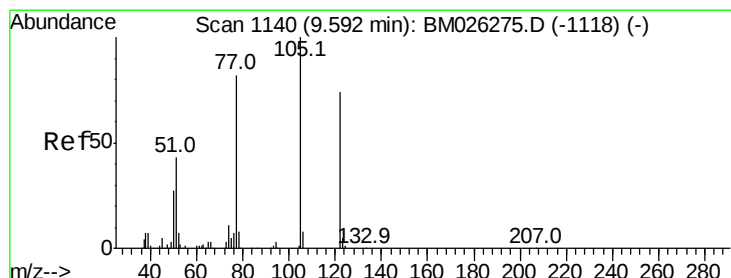
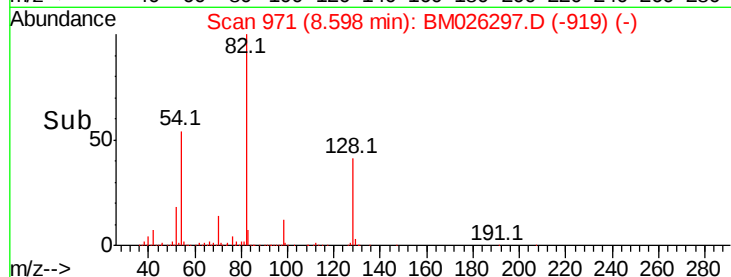
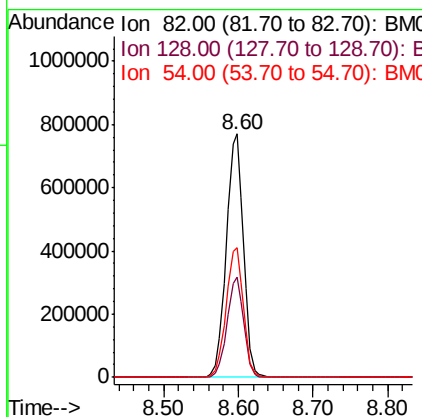
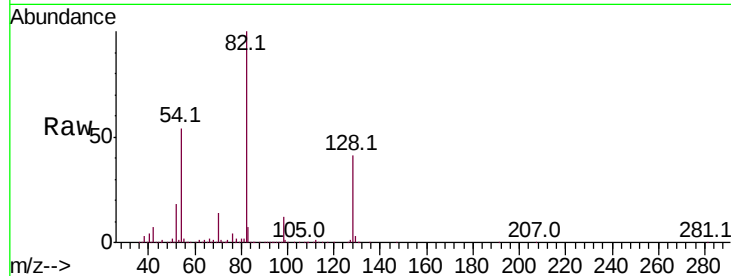


#23
 Nitrobenzene-d5
 Concen: 57.504 ng
 RT: 8.60 min Scan# 971
 Delta R.T. 0.01 min
 Lab File: BM026297.D
 Acq: 08 Jun 2020 21:22

Instrument :
 BNA_M
 ClientSampleId :
 CHRT-24245RE

Tot Ion: 82 Resp: 1236962

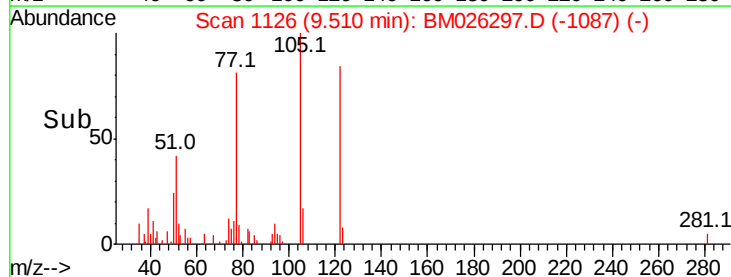
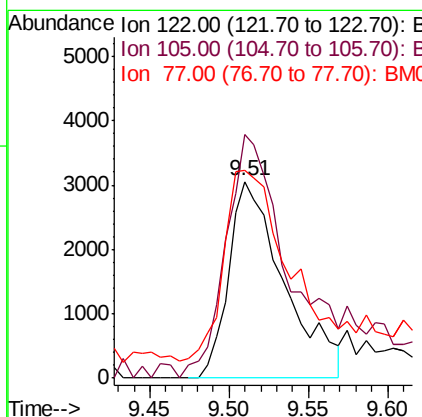
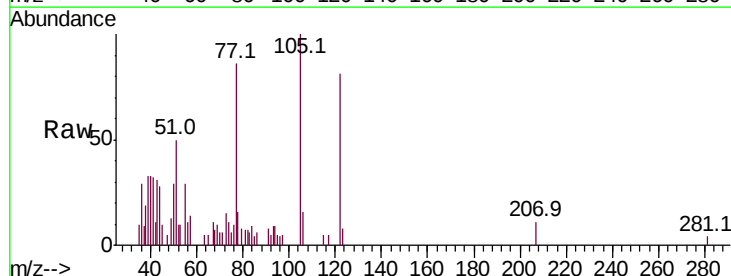
Ion	Ratio	Lower	Upper
82	100		
128	41.4	30.3	45.5
54	53.5	45.4	68.2

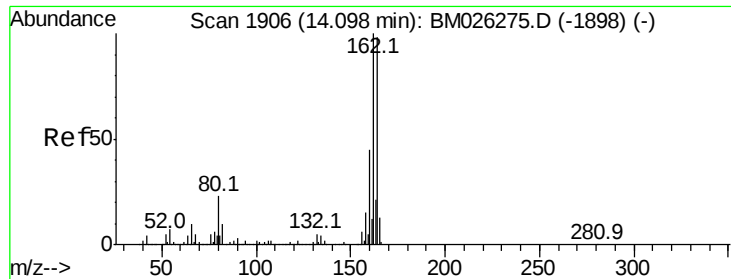


#32
 Benzoic acid
 Concen: 5.747 ng
 RT: 9.51 min Scan# 1126
 Delta R.T. -0.07 min
 Lab File: BM026297.D
 Acq: 08 Jun 2020 21:22

Tgt Ion: 122 Resp: 7400

Ion	Ratio	Lower	Upper
122	100		
105	123.7	112.4	152.4
77	105.9	89.8	129.8

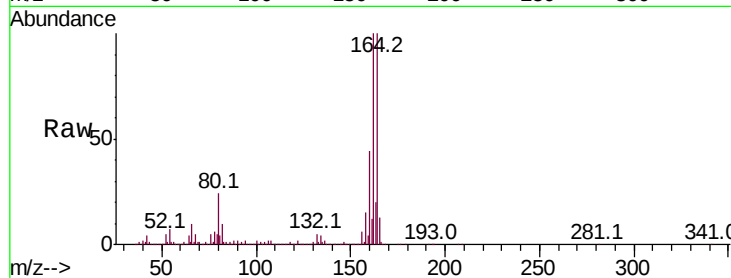




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.10 min Scan# 1906
Delta R.T. 0.01 min
Lab File: BM026297.D
Acq: 08 Jun 2020 21:22

Instrument :
BNA_M
ClientSampleId :
CHRT-24245RE

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.4	122.2
160	44.2	36.4	54.6

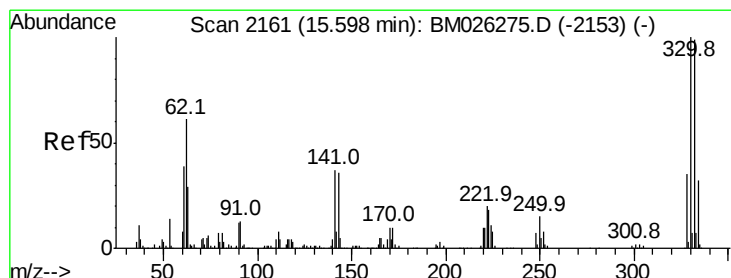
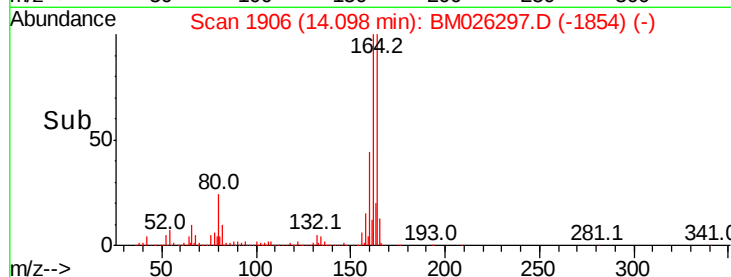
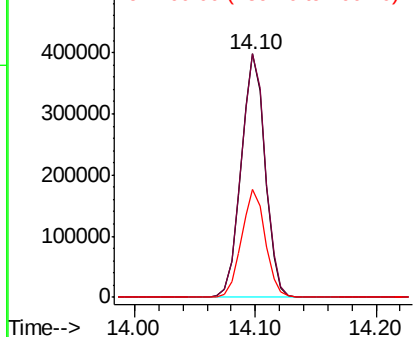


Abundance

Ion 164.00 (163.70 to 164.70): E

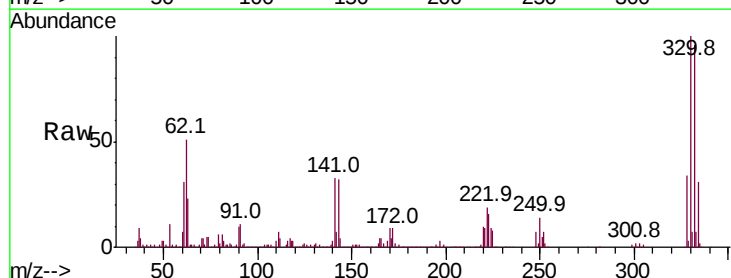
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 77.411 ng
RT: 15.60 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BM026297.D
Acq: 08 Jun 2020 21:22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.1	117.1
141	35.9	30.0	45.0

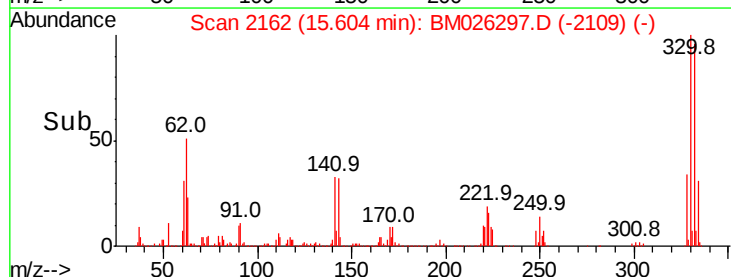
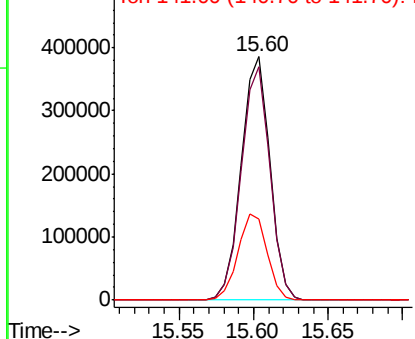


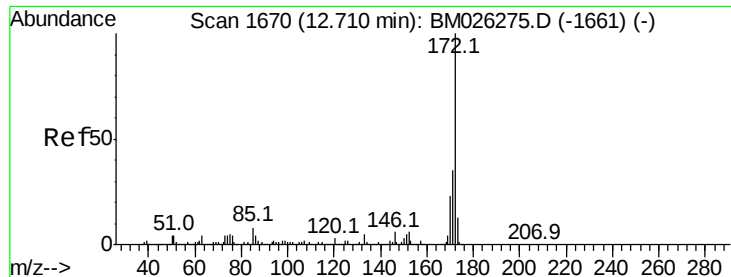
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

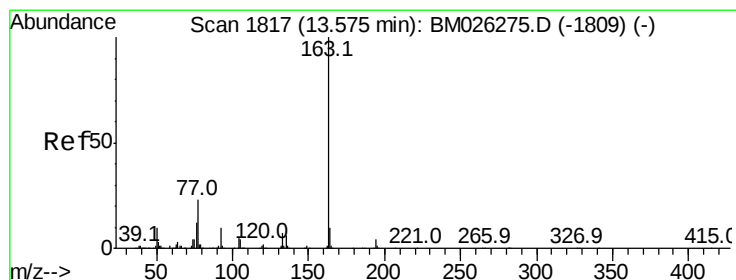
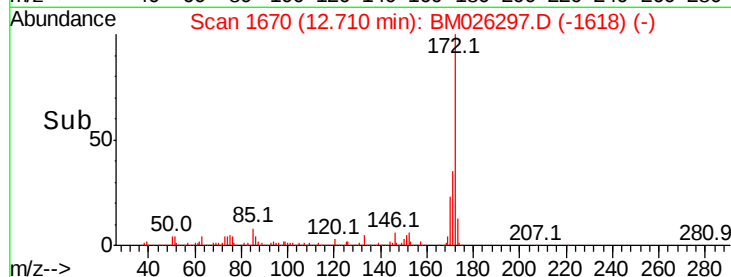
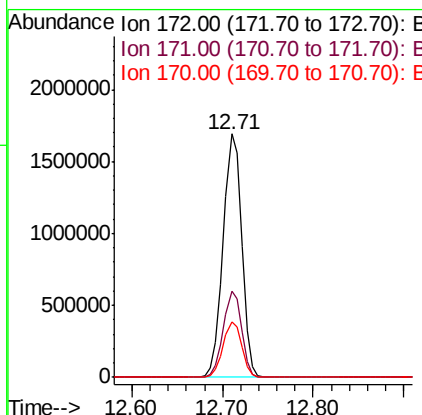
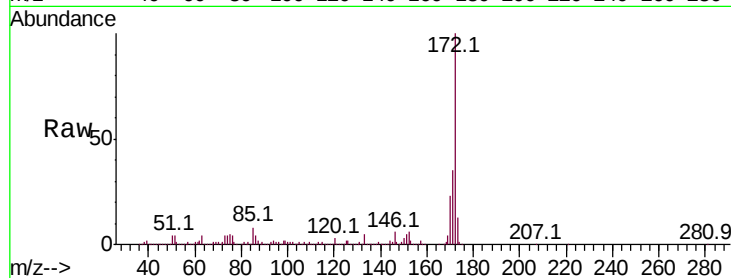




#45
2-Fluorobiphenyl
Concen: 66.351 ng
RT: 12.71 min Scan# 1670
Delta R.T. 0.01 min
Lab File: BM026297.D
Acq: 08 Jun 2020 21:22

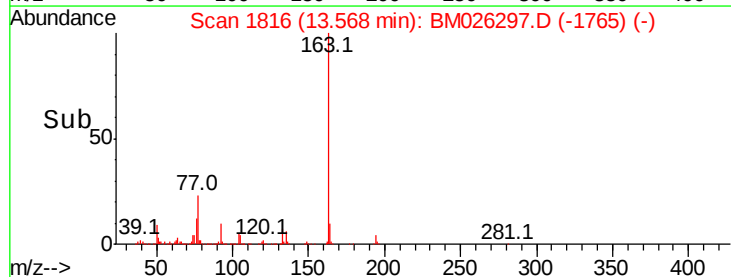
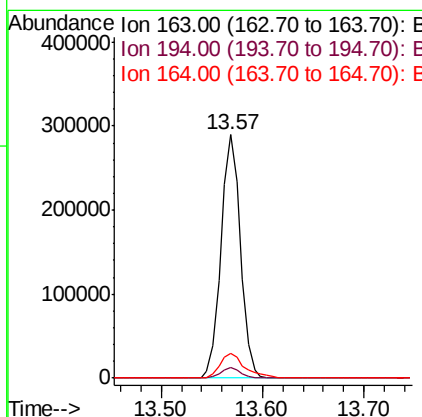
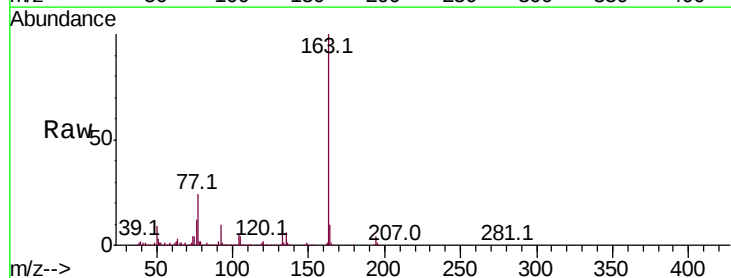
Instrument :
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ClientSampleId :
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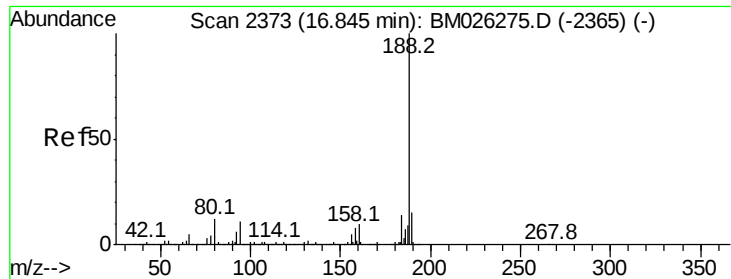
Tot Ion:172 Resp: 2397505
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 22.9 18.3 27.5



#50
Dimethylphthalate
Concen: 9.621 ng
RT: 13.57 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BM026297.D
Acq: 08 Jun 2020 21:22

Tgt Ion:163 Resp: 385979
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.2 8.0 12.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.85 min Scan# 2374

Delta R.T. 0.01 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

Instrument :

BNA_M

ClientSampleId :

CHRT-24245RE

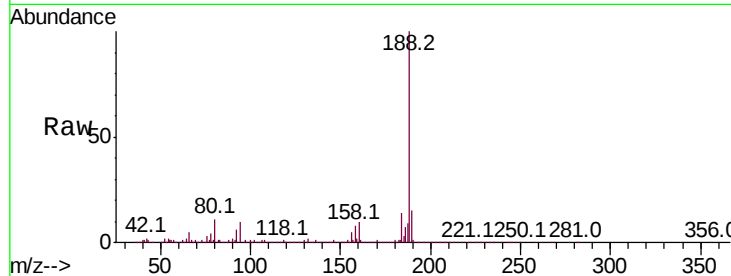
Tot Ion:188 Resp: 937686

Ion Ratio Lower Upper

188 100

94 10.0 8.6 12.8

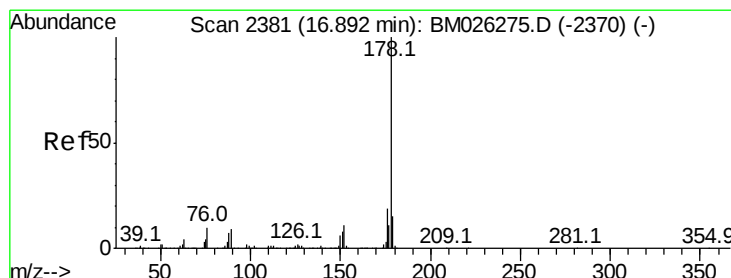
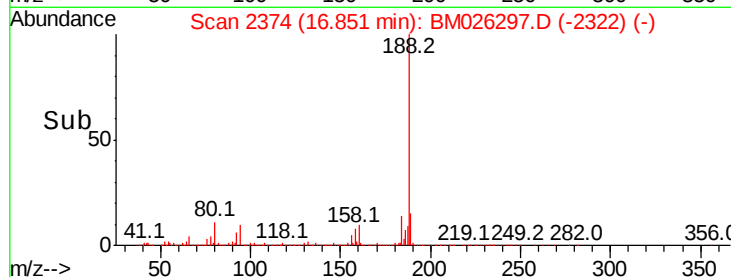
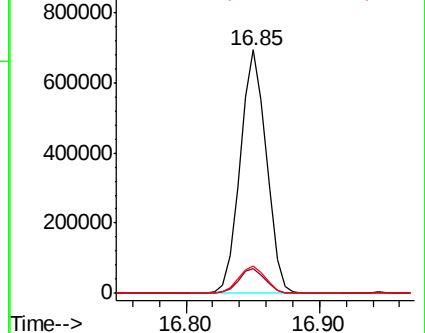
80 11.1 9.7 14.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 2.390 ng

RT: 16.89 min Scan# 2381

Delta R.T. 0.01 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

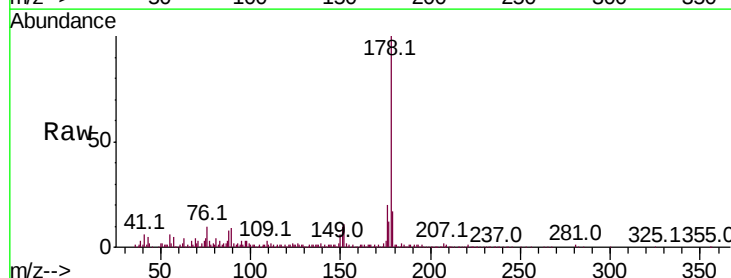
Tgt Ion:178 Resp: 116726

Ion Ratio Lower Upper

178 100

176 19.5 14.9 22.3

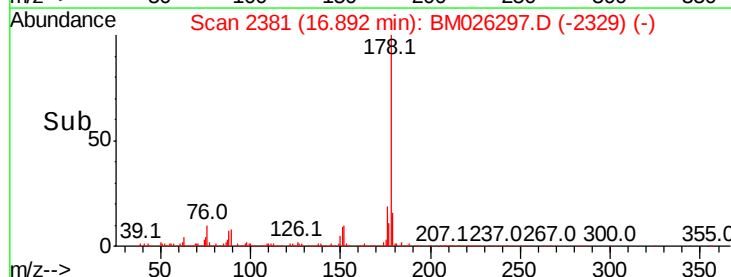
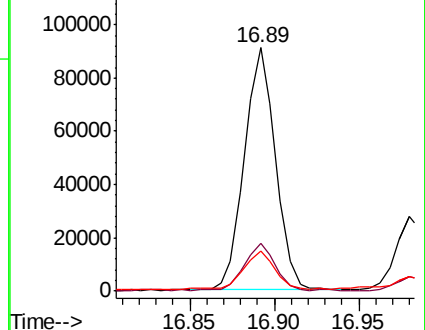
179 16.7 12.0 18.0

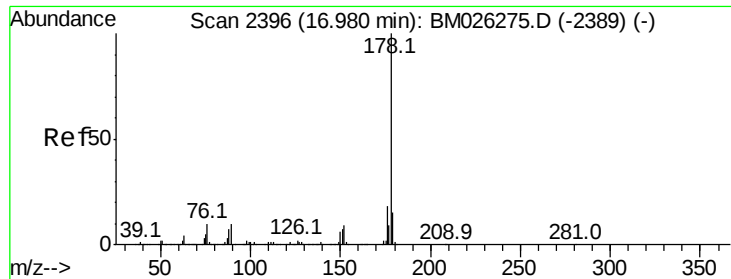


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.395 ng

RT: 16.89 min Scan# 2381

Delta R.T. -0.08 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

Instrument :

BNA_M

ClientSampleId :

CHRT-24245RE

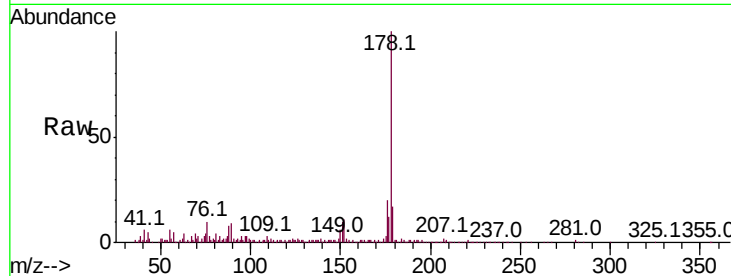
Tot Ion:178 Resp: 116726

Ion Ratio Lower Upper

178 100

176 19.5 14.4 21.6

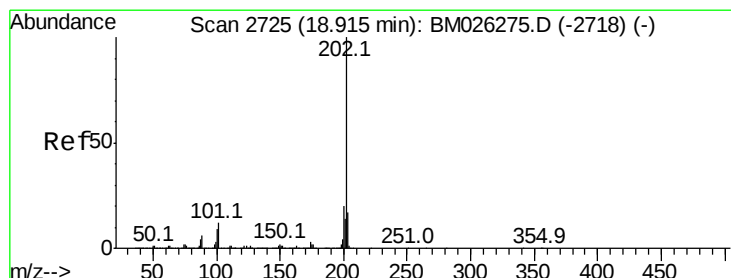
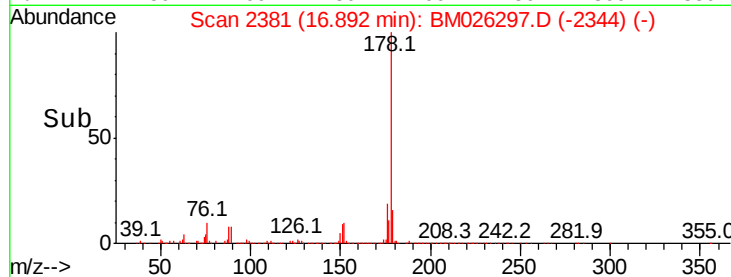
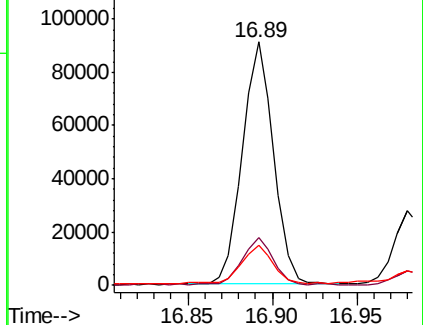
179 16.7 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 7.946 ng

RT: 18.92 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

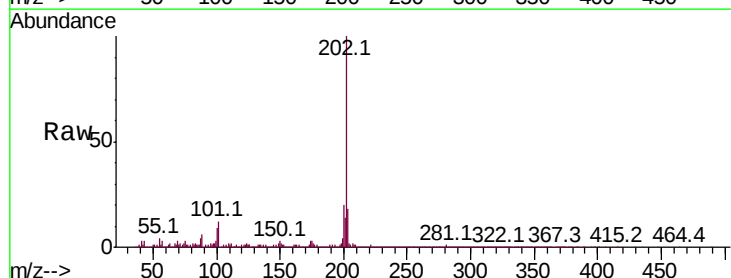
Tgt Ion:202 Resp: 444846

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.6

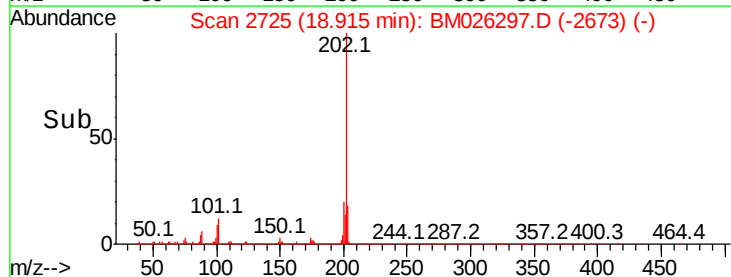
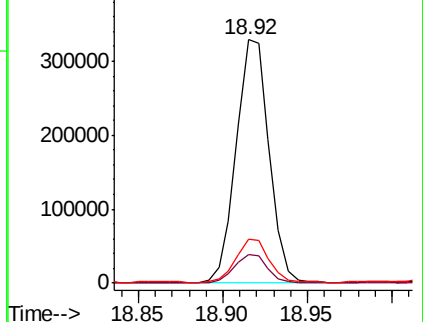
203 18.2 0.0 37.4

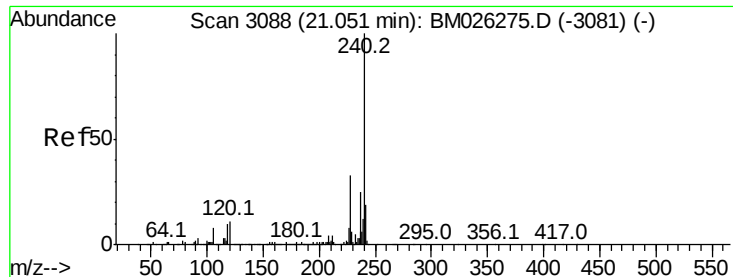


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.06 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

Instrument :

BNA_M

ClientSampleId :

CHRT-24245RE

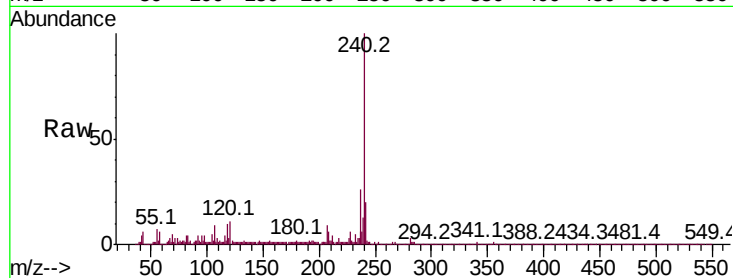
Tot Ion:240 Resp: 790837

Ion Ratio Lower Upper

240 100

120 10.9 8.9 13.3

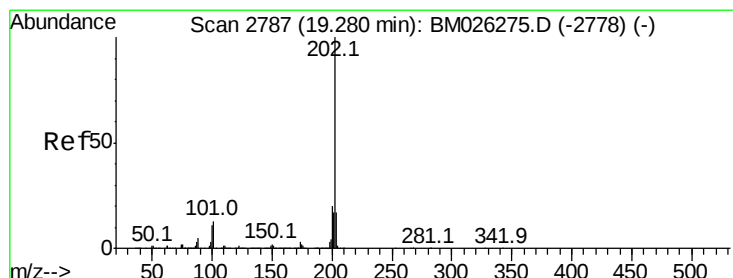
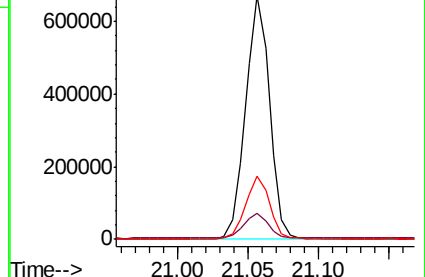
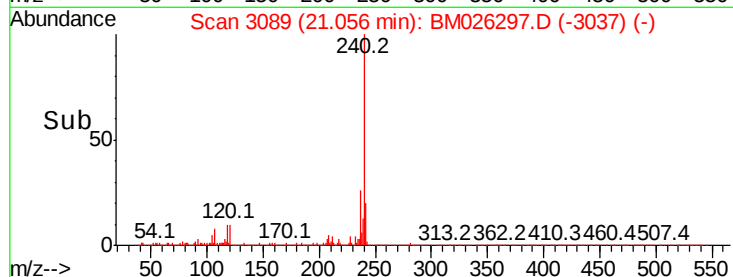
236 26.1 19.7 29.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 7.354 ng

RT: 19.28 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

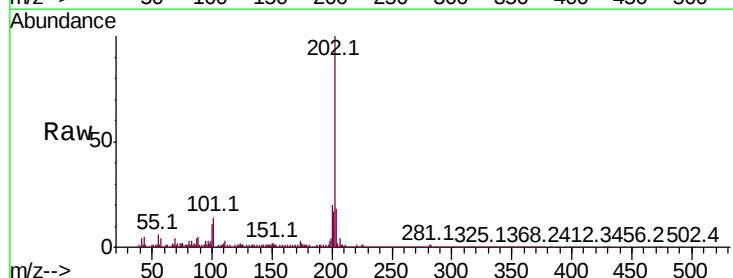
Tgt Ion:202 Resp: 384277

Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.4

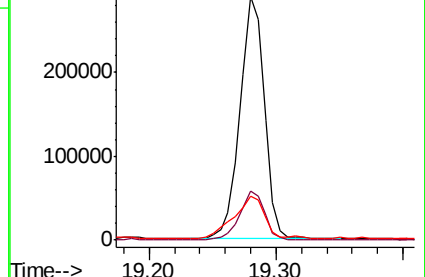
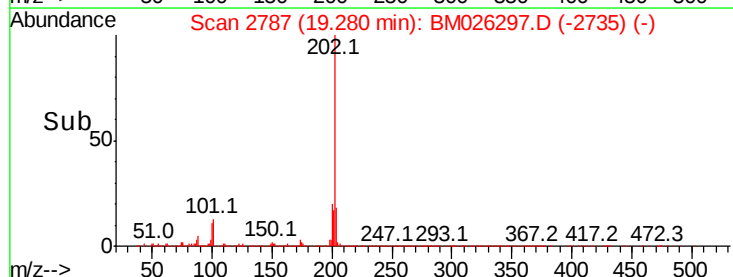
203 18.2 13.8 20.8

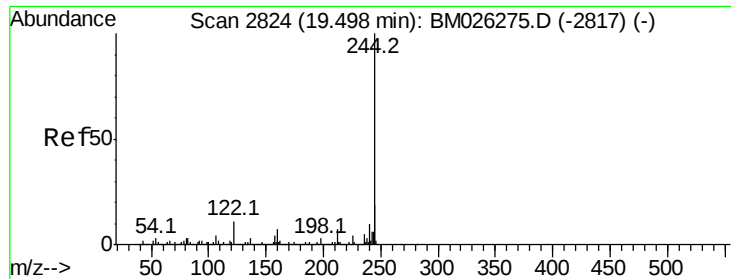


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 57.674 ng

RT: 19.50 min Scan# 2825

Delta R.T. 0.01 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

Instrument :

BNA_M

ClientSampleId :

CHRT-24245RE

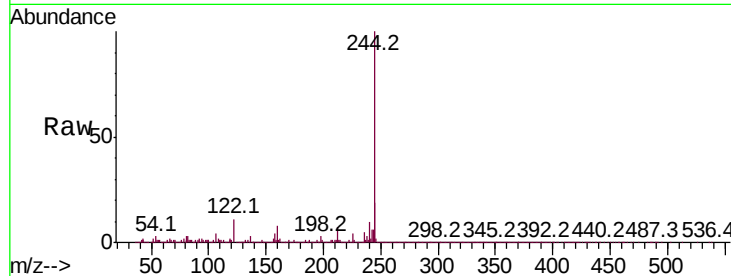
Tot Ion:244 Resp: 2349629

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

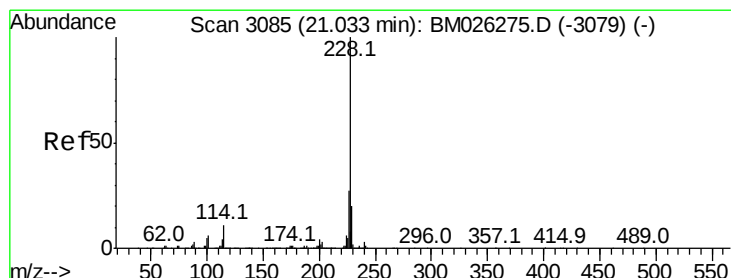
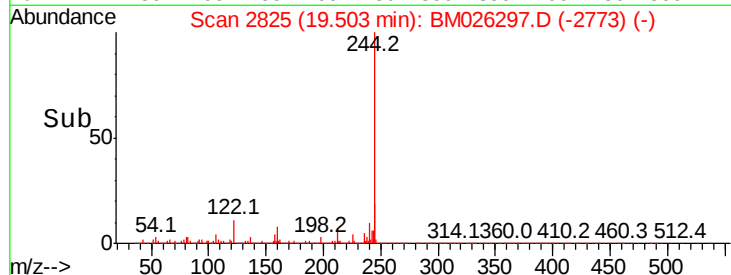
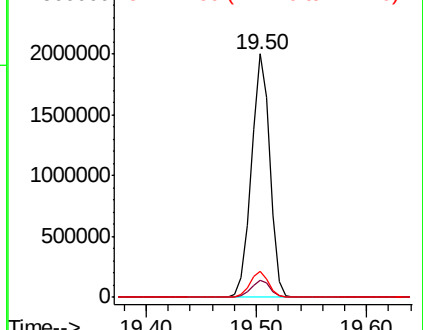
122 10.7 9.1 13.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.651 ng

RT: 21.04 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

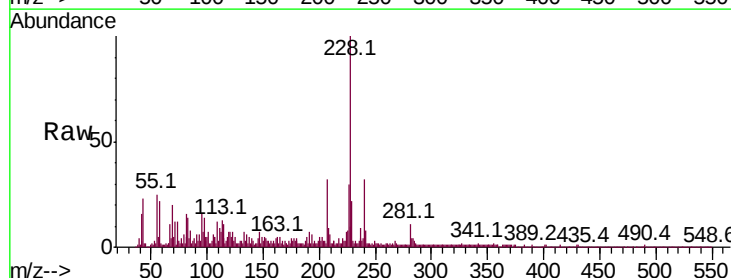
Tgt Ion:228 Resp: 220804

Ion Ratio Lower Upper

228 100

226 29.7 21.7 32.5

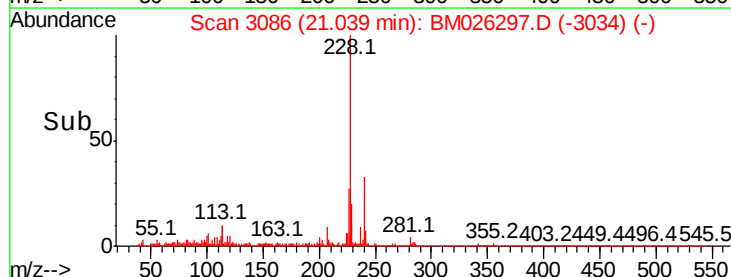
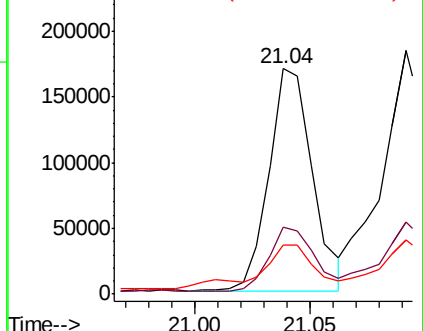
229 21.9 15.9 23.9

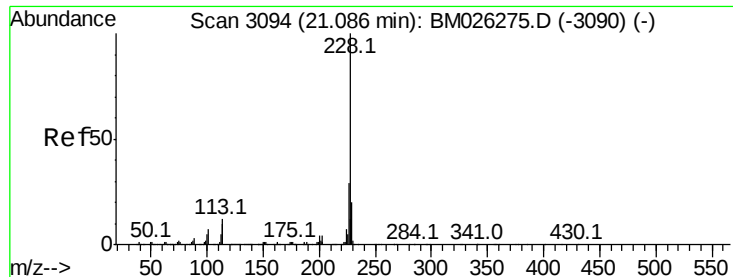


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

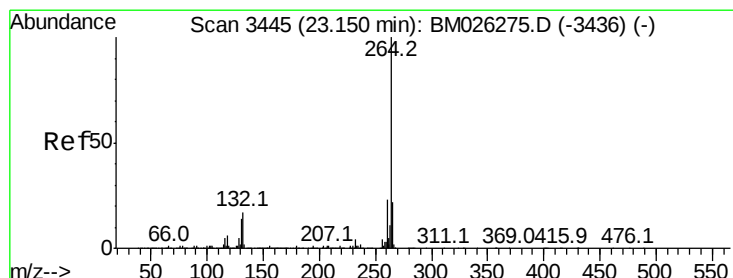
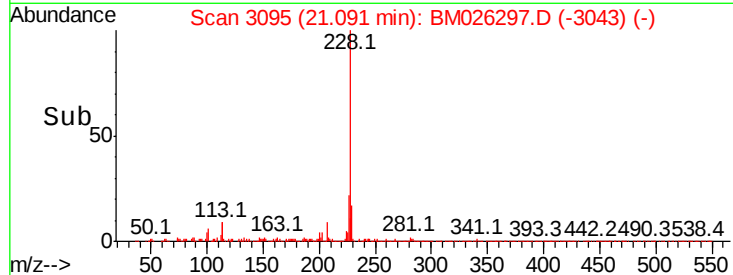
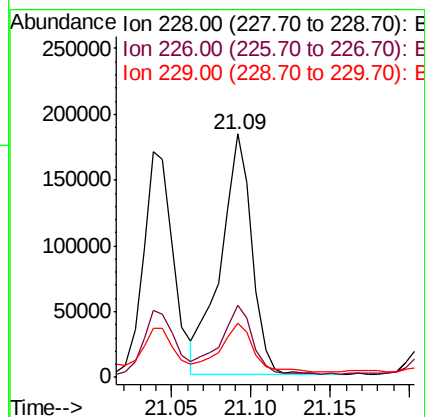
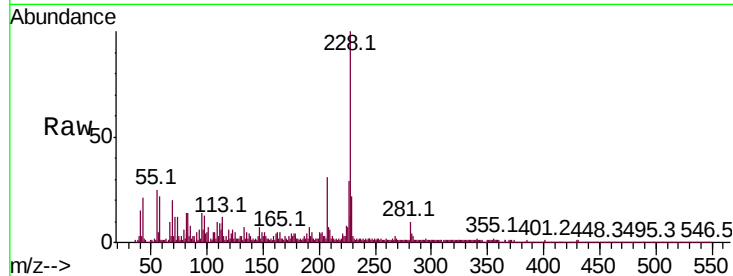




#83
 Chrysene
 Concen: 5.471 ng
 RT: 21.09 min Scan# 3095
 Delta R.T. 0.01 min
 Lab File: BM026297.D
 Acq: 08 Jun 2020 21:22

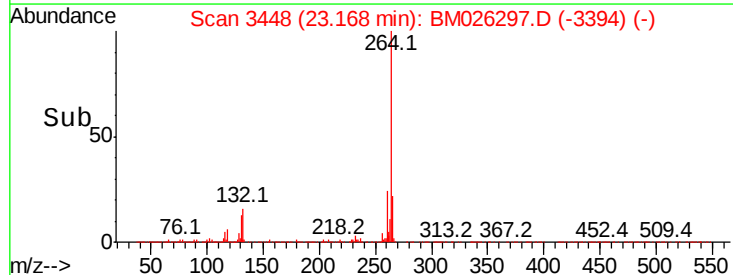
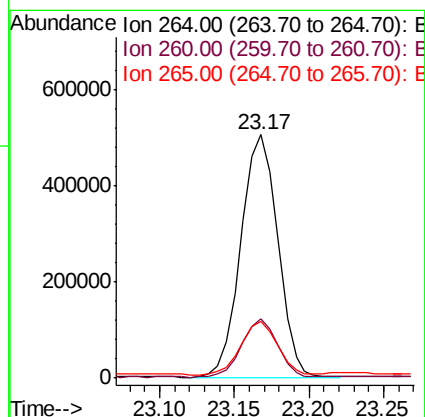
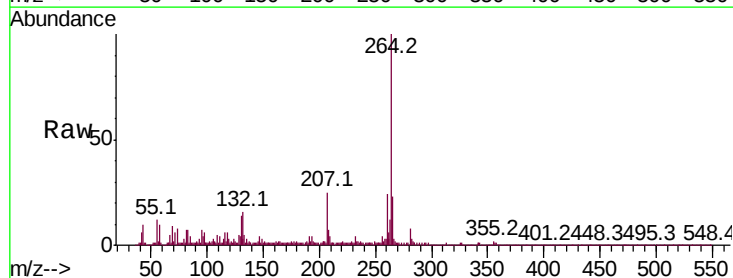
Instrument :
 BNA_M
 ClientSampleId :
 CHRT-24245RE

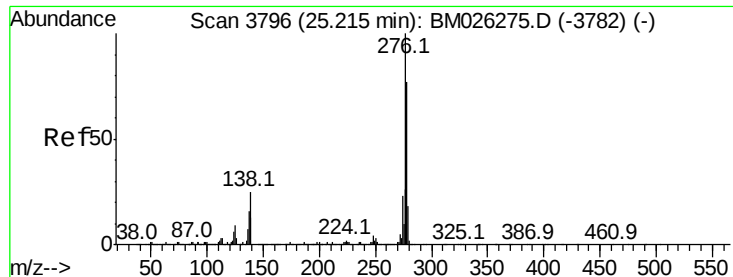
Tot Ion:228	Resp:	247489
Ion	Ratio	Lower Upper
228	100	
226	29.5	23.5 35.3
229	22.0	15.8 23.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.17 min Scan# 3448
 Delta R.T. 0.02 min
 Lab File: BM026297.D
 Acq: 08 Jun 2020 21:22

Tgt Ion:264	Resp:	868475
Ion	Ratio	Lower Upper
264	100	
260	24.3	18.6 28.0
265	23.1	18.2 27.2

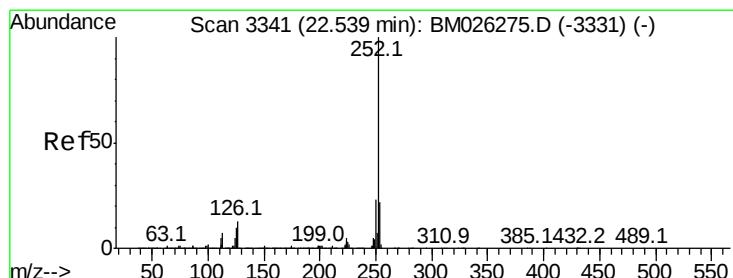
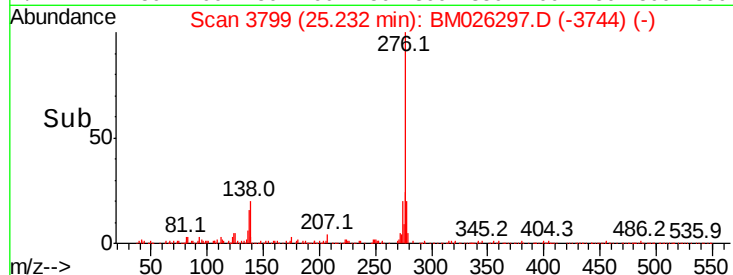
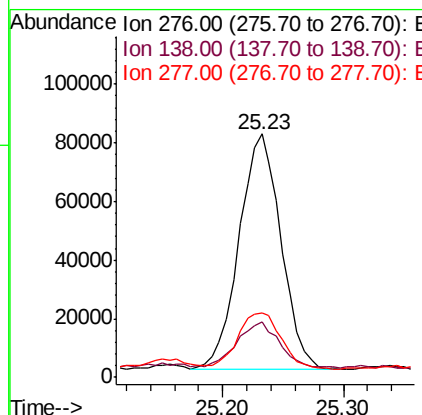
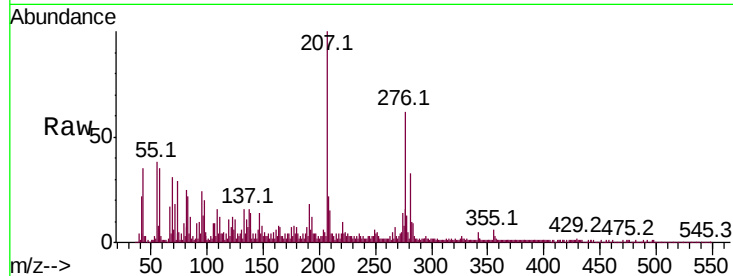




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.872 ng
 RT: 25.23 min Scan# 3799
 Delta R.T. 0.02 min
 Lab File: BM026297.D
 Acq: 08 Jun 2020 21:22

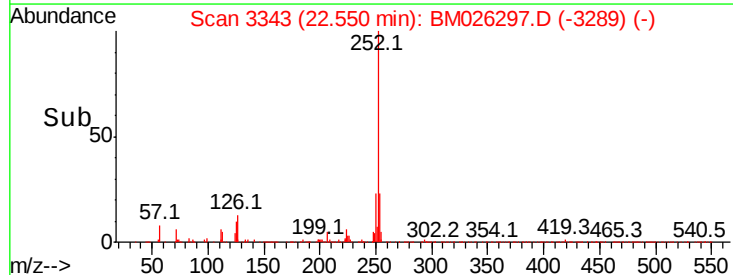
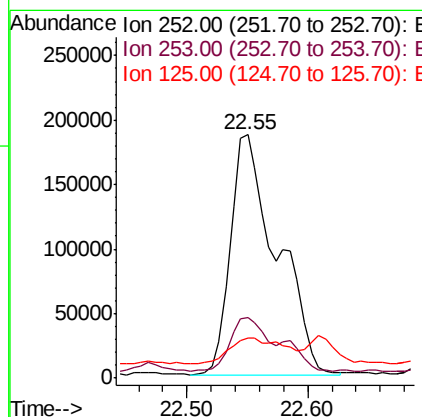
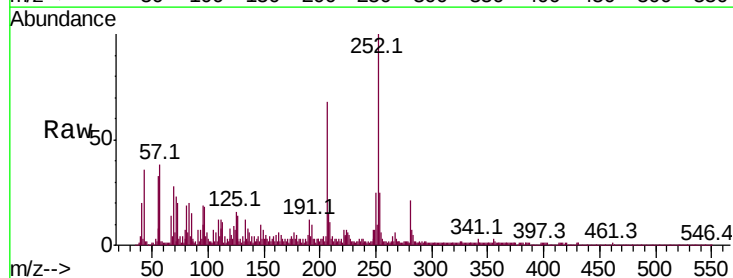
Instrument :
 BNA_M
 ClientSampleId :
 CHRT-24245RE

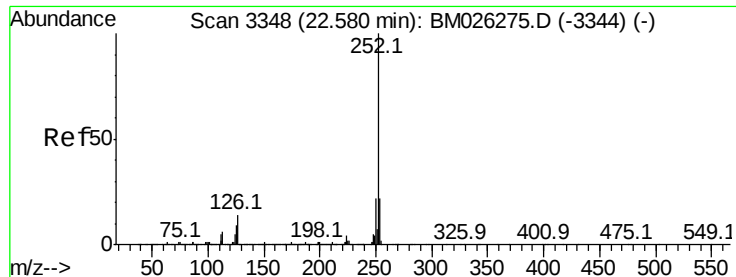
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.8	29.8
277	25.5	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 9.567 ng
 RT: 22.55 min Scan# 3343
 Delta R.T. 0.02 min
 Lab File: BM026297.D
 Acq: 08 Jun 2020 21:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.6	26.4
125	16.3	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 9.848 ng

RT: 22.55 min Scan# 3343

Delta R.T. -0.02 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

Instrument :

BNA_M

ClientSampleId :

CHRT-24245RE

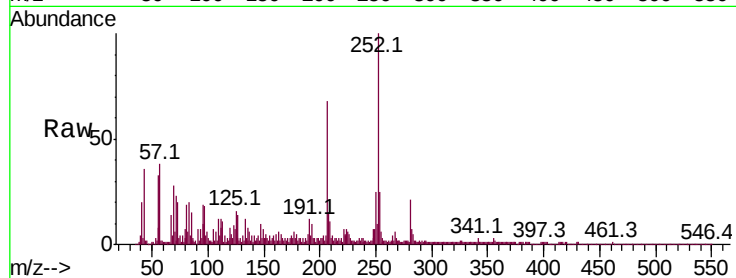
Tot Ion:252 Resp: 499828

Ion Ratio Lower Upper

252 100

253 25.1 17.3 25.9

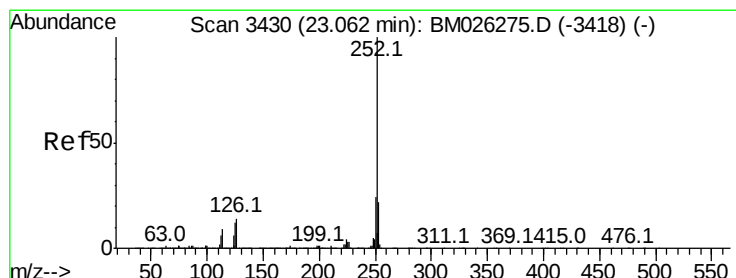
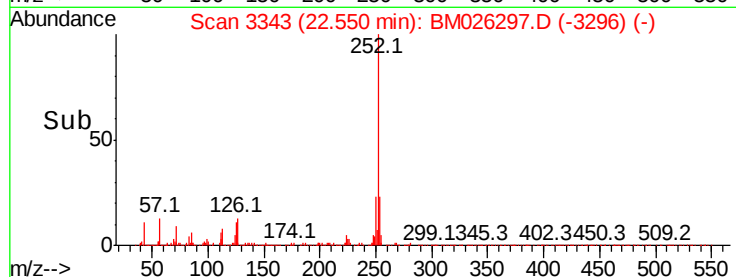
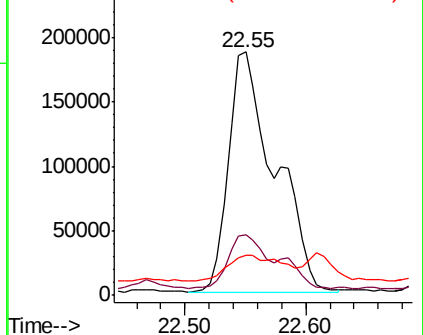
125 16.3 7.8 11.6#



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



#90

Benzo(a)pyrene

Concen: 5.329 ng

RT: 23.07 min Scan# 3432

Delta R.T. 0.01 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

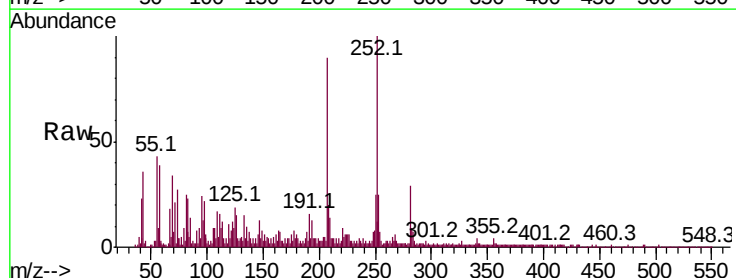
Tgt Ion:252 Resp: 247264

Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

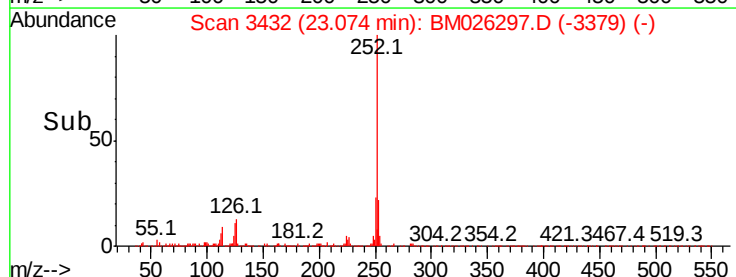
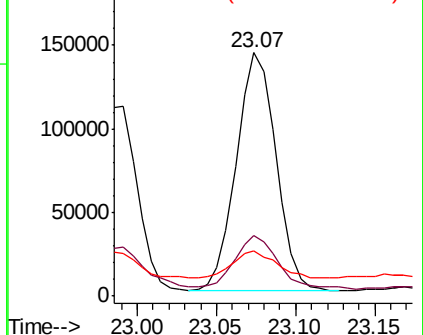
125 18.7 9.4 14.0#

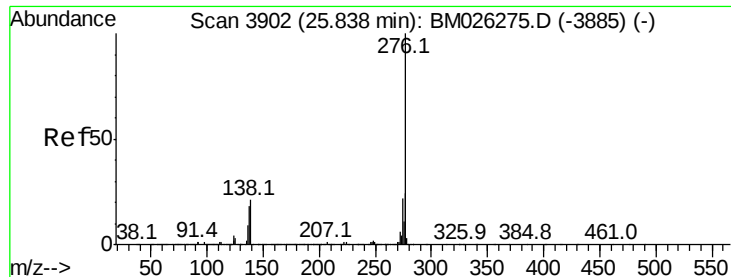


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 4.932 ng

RT: 25.86 min Scan# 3906

Delta R.T. 0.03 min

Lab File: BM026297.D

Acq: 08 Jun 2020 21:22

Instrument :

BNA_M

ClientSampleId :

CHRT-24245RE

Tot Ion:276 Resp: 196843

Ion Ratio Lower Upper

276 100

277 27.1 19.3 28.9

138 22.5 16.5 24.7

