

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022020\
 Data File : BN009792.D
 Acq On : 20 Feb 2020 23:12
 Operator : CG/JU
 Sample : PB126934BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 21 02:51:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 19 15:57:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	1514	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	4966	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	2991	0.40	ng	-0.01
19) Phenanthrene-d10	16.82	188	5471	0.40	ng	0.00
27) Chrysene-d12	21.03	240	5161	0.40	ng	-0.01
34) Perylene-d12	23.14	264	5214	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.07	112	675	0.20	ng	-0.02
5) Phenol-d6	6.62	99	438	0.11	ng	-0.02
8) Nitrobenzene-d5	8.58	82	2063	0.50	ng	-0.01
11) 2-Methylnaphthalene-d10	11.77	152	3009	0.31	ng	-0.01
14) 2,4,6-Tribromophenol	15.58	330	156	0.14	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	5601	0.50	ng	-0.02
25) Fluoranthene-d10	18.85	212	6398	0.34	ng	-0.01
29) Terphenyl-d14	19.46	244	9914	0.80	ng	-0.01

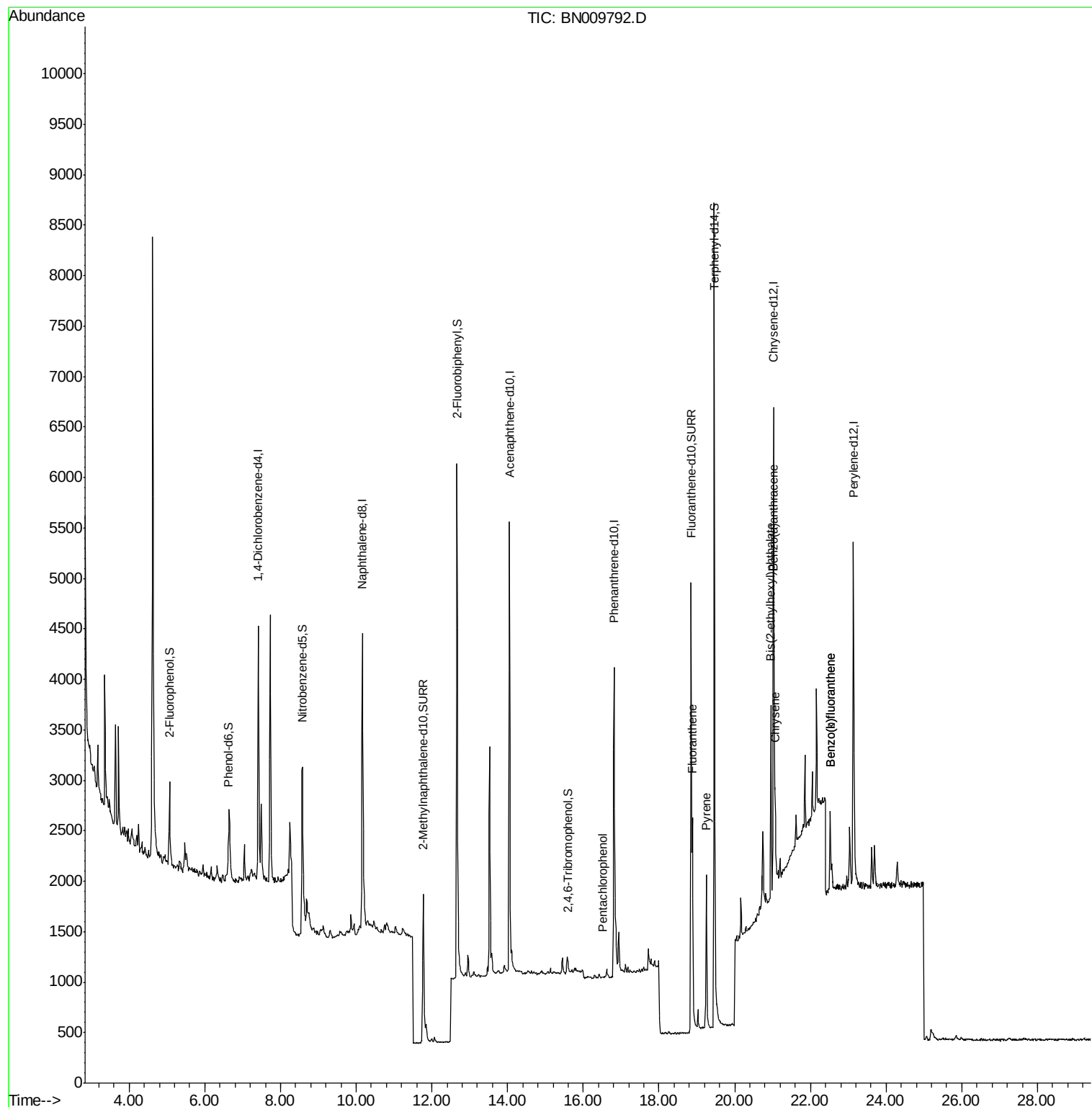
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 4-Bromophenyl-phenylether	16.02	248	121	Below Cal		# 77
22) Pentachlorophenol	16.52	266	6	0.184	ng	# 78
26) Fluoranthene	18.88	202	2133	0.109	ng	99
28) Pyrene	19.25	202	1648	0.084	ng	97
30) Benzo(a)anthracene	21.02	228	630	0.037	ng	# 81
31) Chrysene	21.07	228	1023	0.052	ng	# 90
32) Bis(2-ethylhexyl)phthalate	20.95	149	1829	0.219	ng	98
35) Benzo(b)fluoranthene	22.53	252	545	0.029	ng	# 1
36) Benzo(k)fluoranthene	22.53	252	545	0.026	ng	# 1

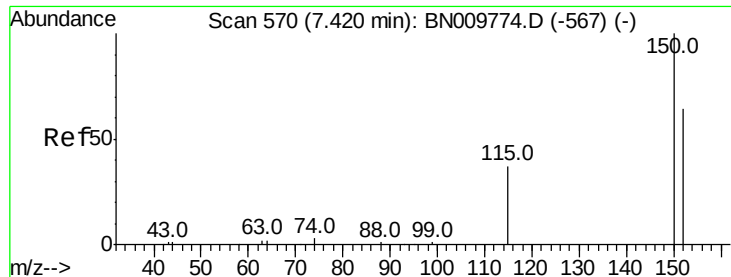
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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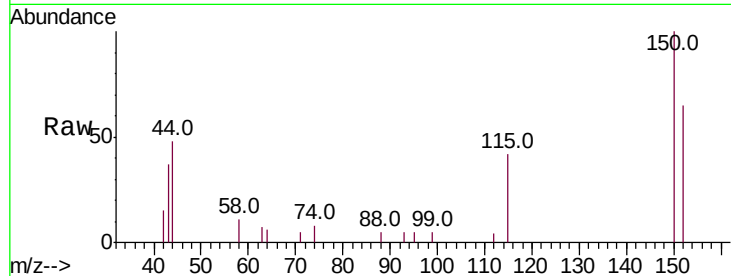


#1

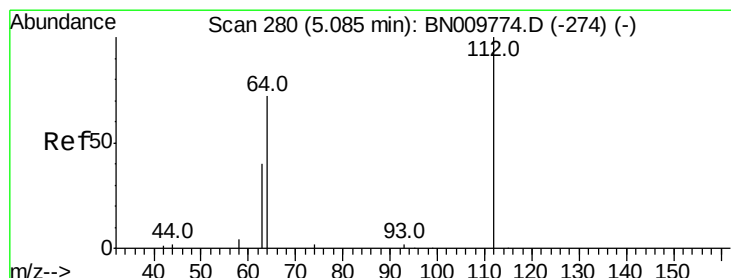
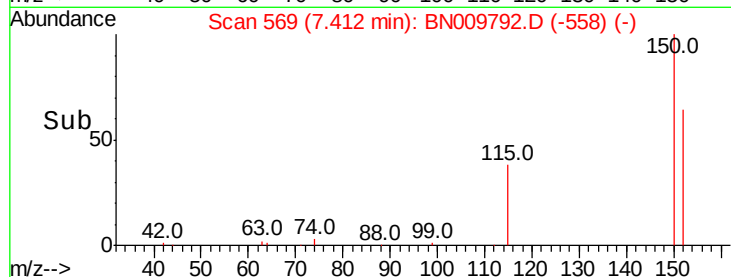
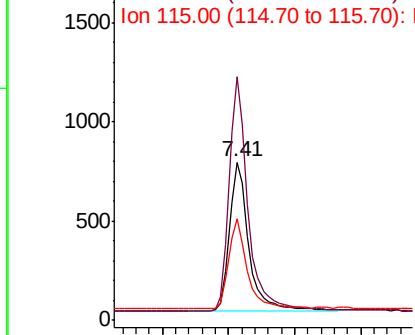
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.01 min
Lab File: BN009792.D
Acq: 20 Feb 2020 23:12

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 1514
Ion Ratio Lower Upper
152 100
150 153.9 120.6 181.0
115 64.2 51.2 76.8



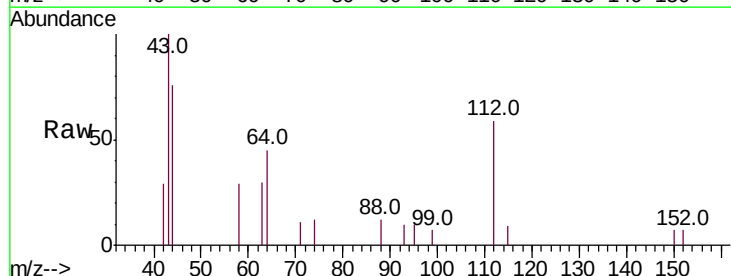
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



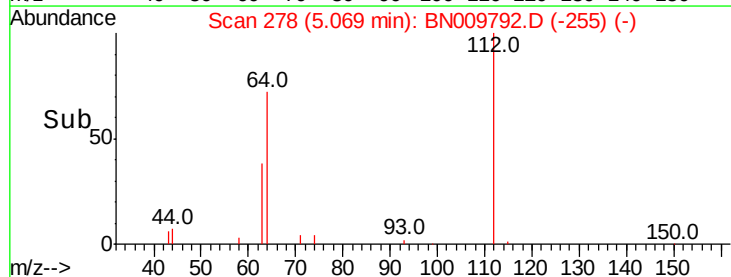
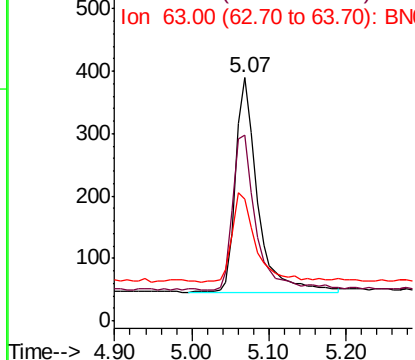
#4

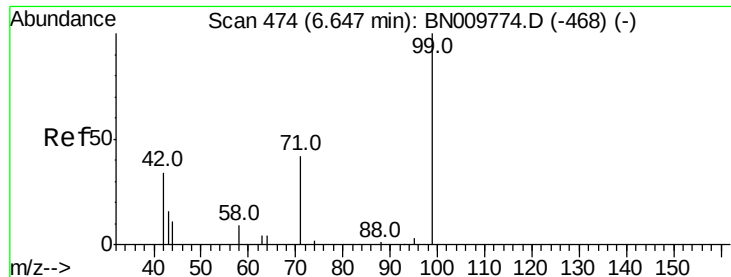
2-Fluorophenol
Concen: 0.200 ng
RT: 5.07 min Scan# 278
Delta R.T. -0.02 min
Lab File: BN009792.D
Acq: 20 Feb 2020 23:12

Tgt Ion:112 Resp: 675
Ion Ratio Lower Upper
112 100
64 74.1 65.8 98.6
63 45.9 38.7 58.1



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





#5

Phenol-d6

Concen: 0.107 ng

RT: 6.62 min Scan# 471

Delta R.T. -0.02 min

Lab File: BN009792.D

Acq: 20 Feb 2020 23:12

Instrument :

BNA_N

ClientSampleId :

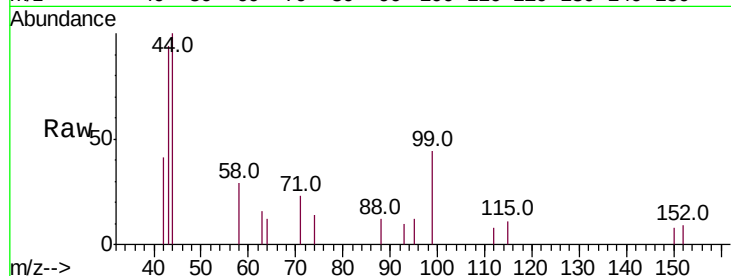
Tot Ion: 99 Resp: 438

Ion Ratio Lower Upper

99 100

42 47.9 30.8 46.2#

71 40.6 34.9 52.3



Abundance Ion 99.00 (98.70 to 99.70): BN009774.D (-468) (-)

Ion 42.00 (41.70 to 42.70): BN009774.D (-468) (-)

Ion 71.00 (70.70 to 71.70): BN009774.D (-468) (-)

6.62

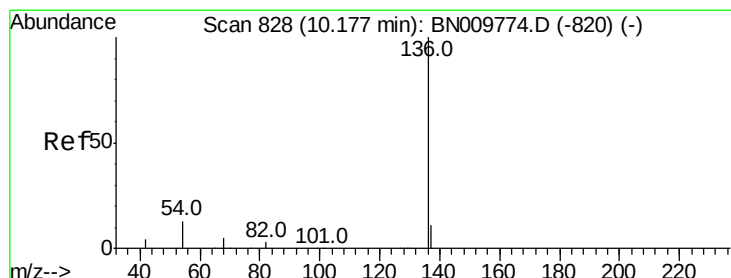
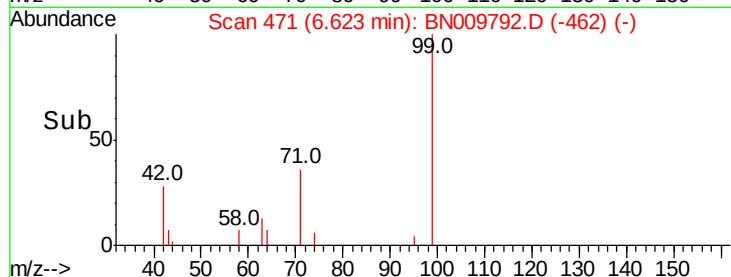
200

100

0

6.50 6.60 6.70 6.80

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.01 min

Lab File: BN009792.D

Acq: 20 Feb 2020 23:12

Tgt Ion: 136 Resp: 4966

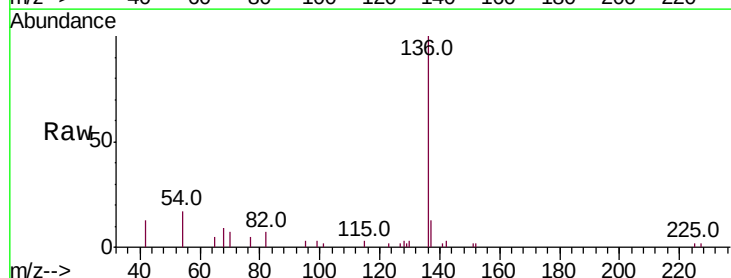
Ion Ratio Lower Upper

136 100

137 13.4 11.3 16.9

54 16.8 13.4 20.2

68 8.9 7.0 10.4



Abundance Ion 136.00 (135.70 to 136.70): BN009774.D (-820) (-)

Ion 137.00 (136.70 to 137.70): BN009774.D (-820) (-)

Ion 54.00 (53.70 to 54.70): BN009774.D (-820) (-)

Ion 68.00 (67.70 to 68.70): BN009774.D (-820) (-)

10.16

2000

1500

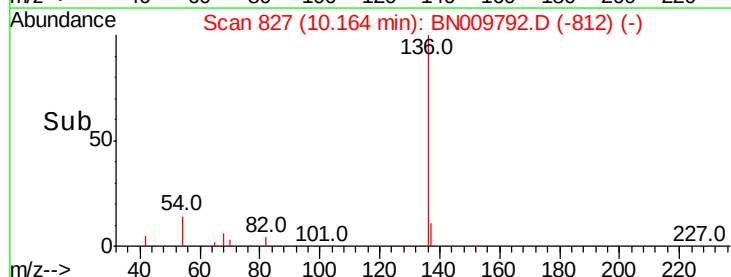
1000

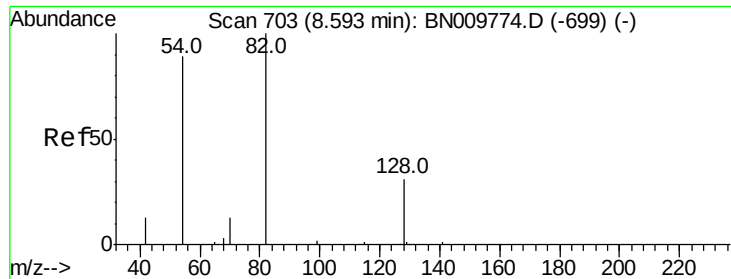
500

0

10.00 10.20

Time-->

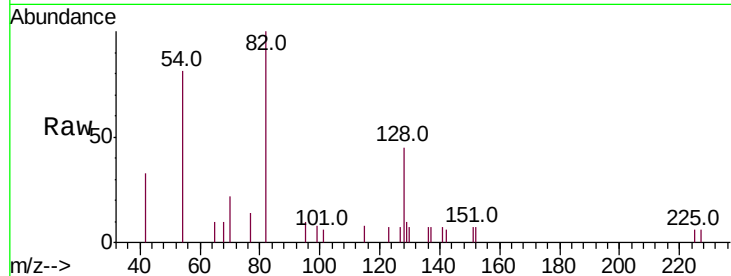




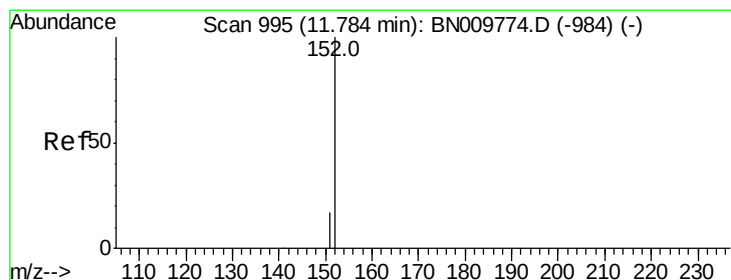
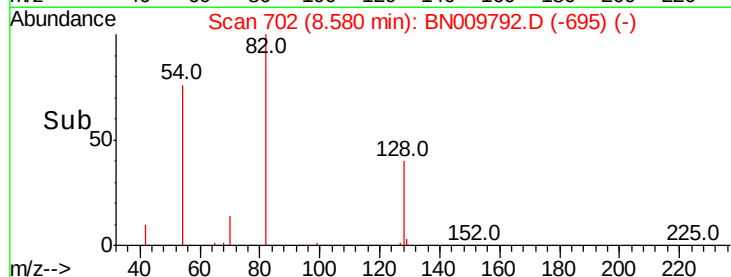
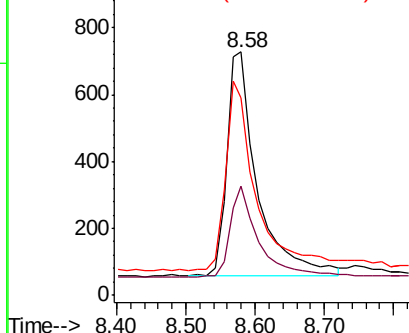
#8
 Nitrobenzene-d5
 Concen: 0.499 ng
 RT: 8.58 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: BN009792.D
 Acq: 20 Feb 2020 23:12

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 82 Resp: 2063
 Ion Ratio Lower Upper
 82 100
 128 44.6 32.5 48.7
 54 80.9 73.5 110.3

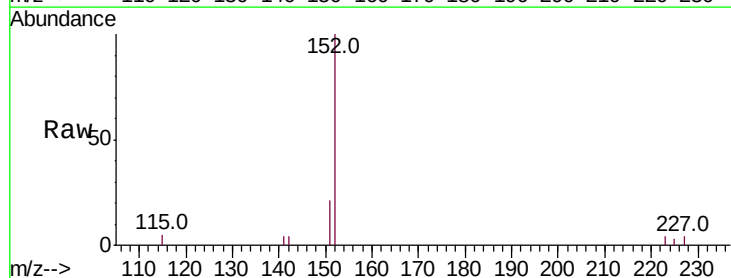


Abundance Ion 82.00 (81.70 to 82.70): BN0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BN0

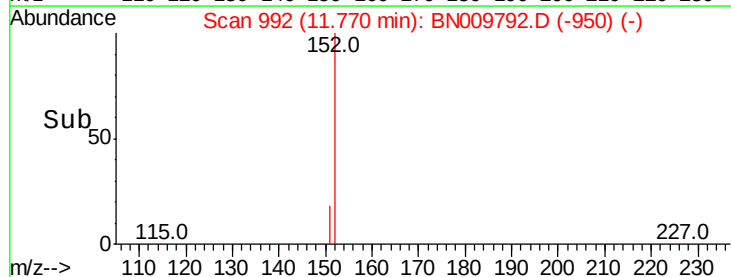
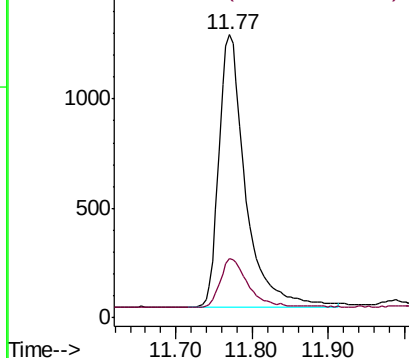


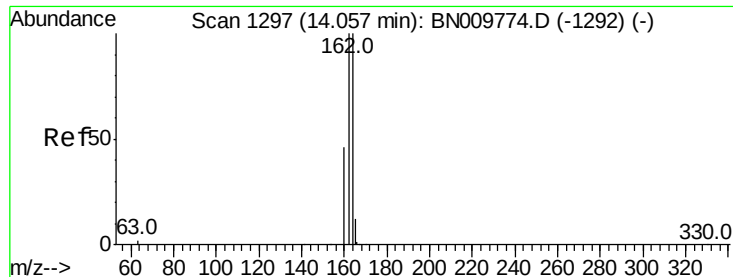
#11
 2-Methylnaphthalene-d10
 Concen: 0.313 ng
 RT: 11.77 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BN009792.D
 Acq: 20 Feb 2020 23:12

Tgt Ion: 152 Resp: 3009
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN009792.D

Acq: 20 Feb 2020 23:12

Instrument :

BNA_N

ClientSampleId :

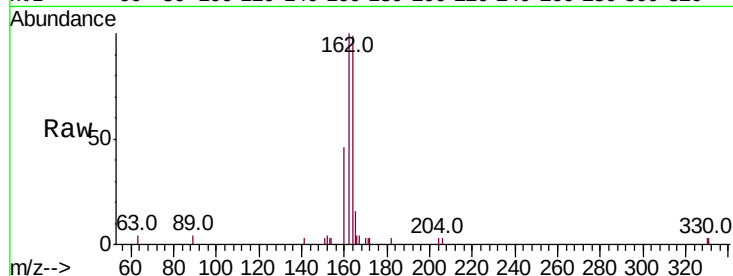
Tot Ion:164 Resp: 2991

Ion Ratio Lower Upper

164 100

162 100.6 79.9 119.9

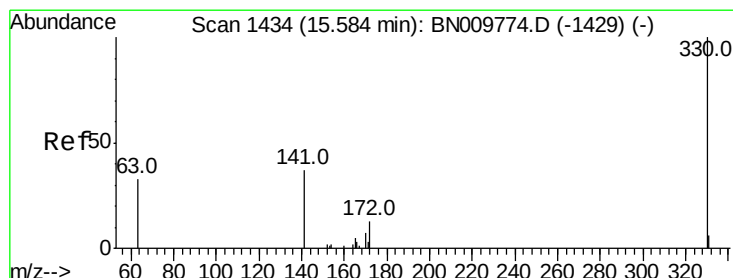
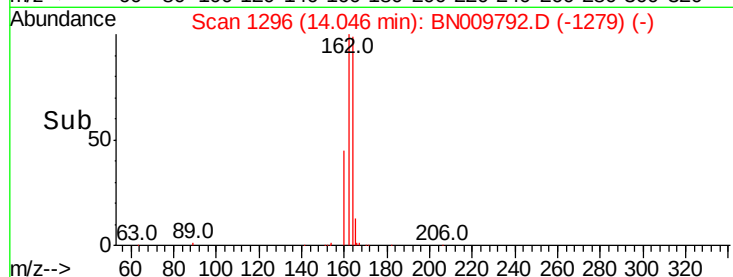
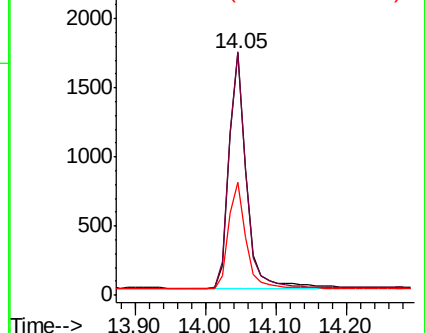
160 46.7 38.2 57.2



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



#14

2,4,6-Tribromophenol

Concen: 0.135 ng

RT: 15.58 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BN009792.D

Acq: 20 Feb 2020 23:12

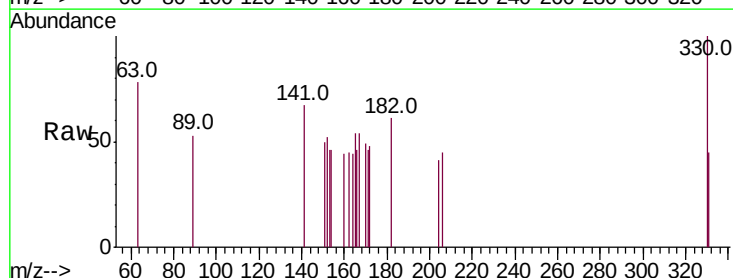
Tgt Ion:330 Resp: 156

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

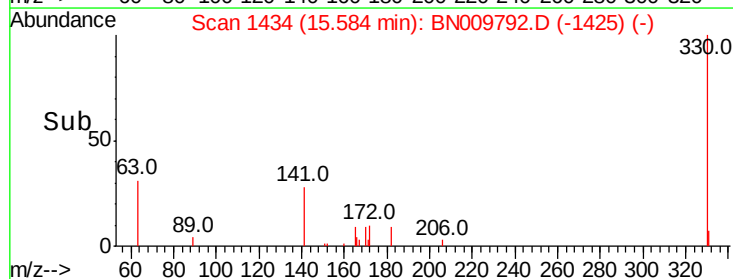
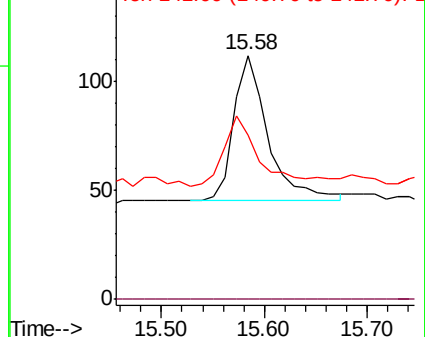
141 50.0 36.8 55.2

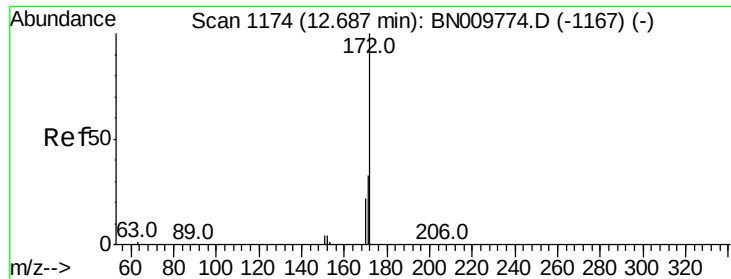


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

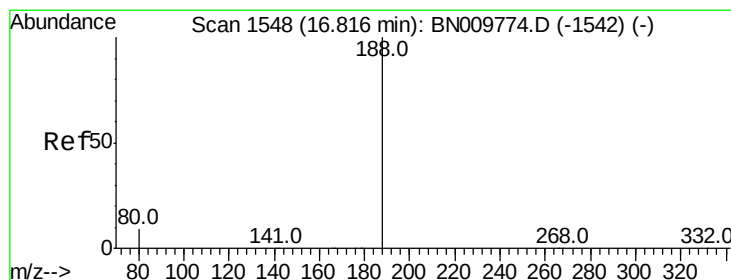
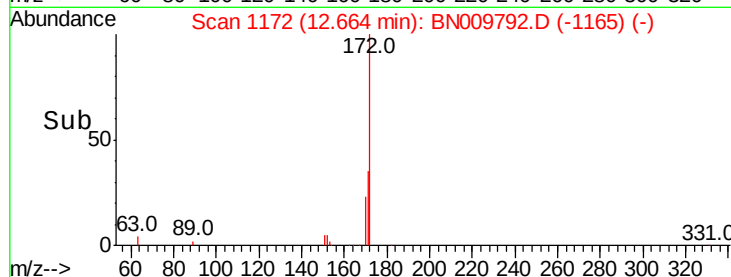
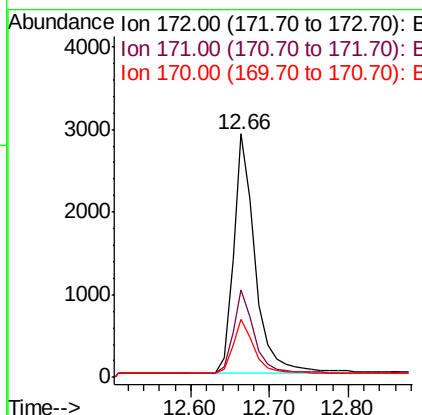
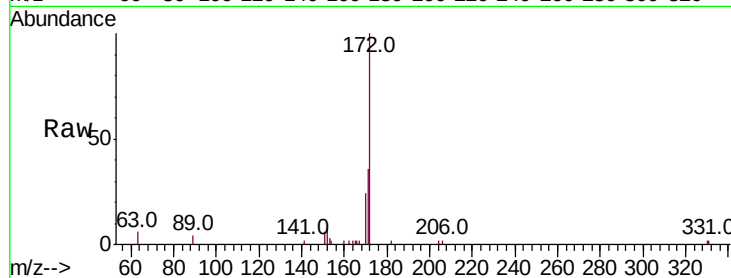




#15
2-Fluorobiphenyl
Concen: 0.496 ng
RT: 12.66 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BN009792.D
Acq: 20 Feb 2020 23:12

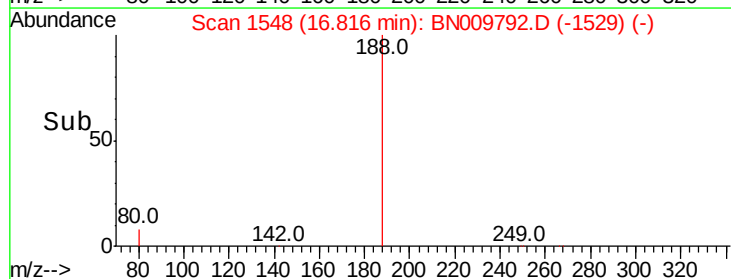
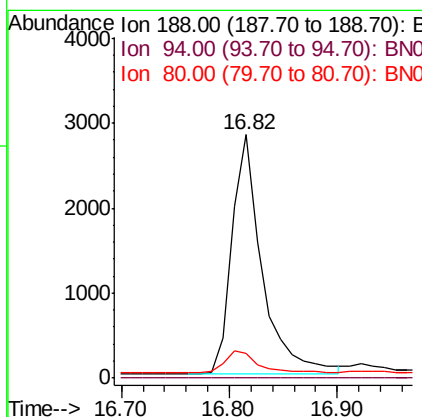
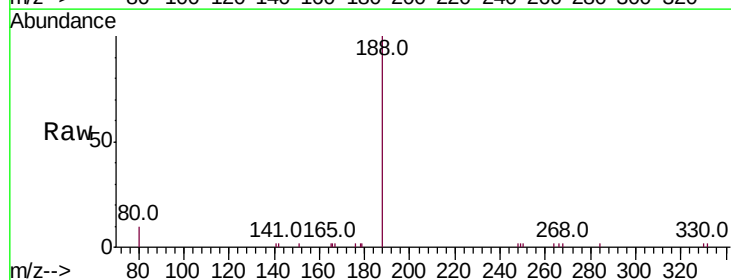
Instrument :
BNA_N
ClientSampleId :

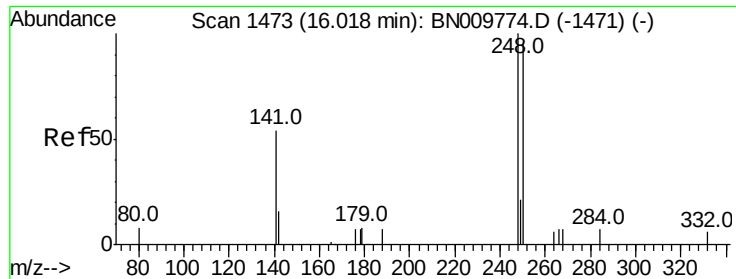
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	24.0	20.1	30.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BN009792.D
Acq: 20 Feb 2020 23:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	8.3	12.5

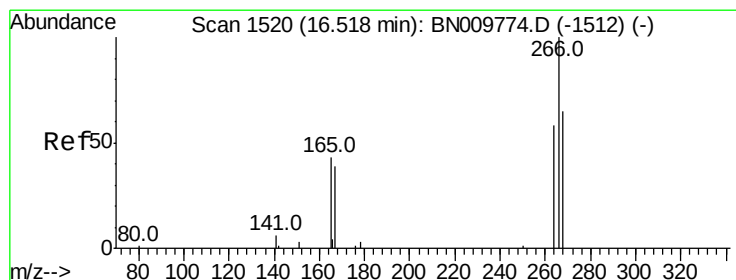
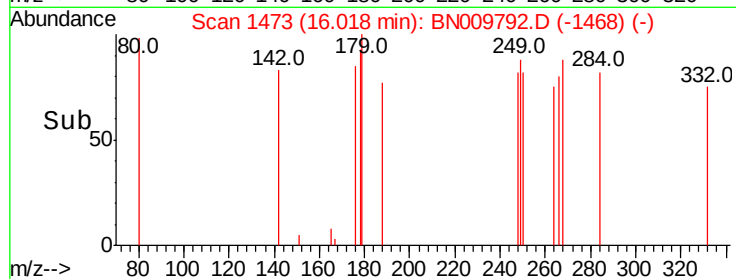
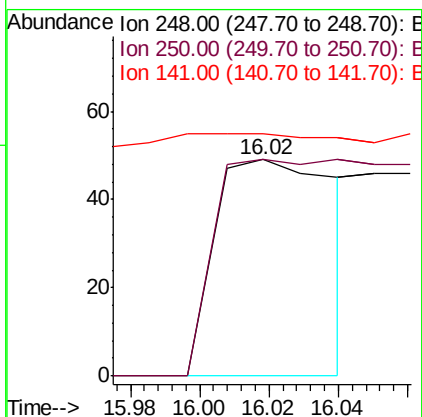
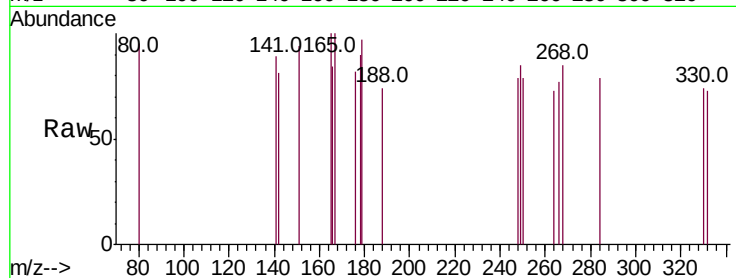




#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.02 min Scan# 1473
Delta R.T. 0.00 min
Lab File: BN009792.D
Acq: 20 Feb 2020 23:12

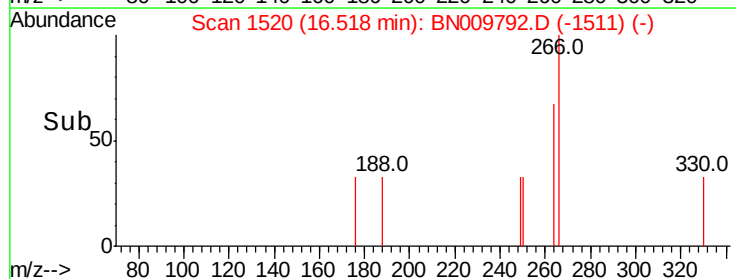
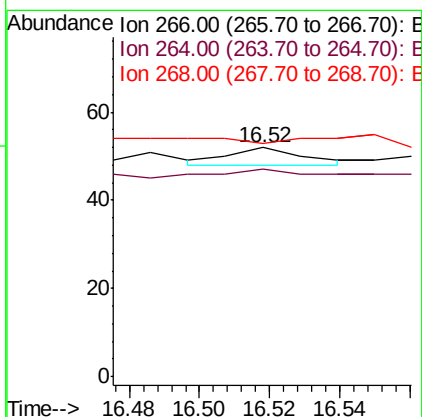
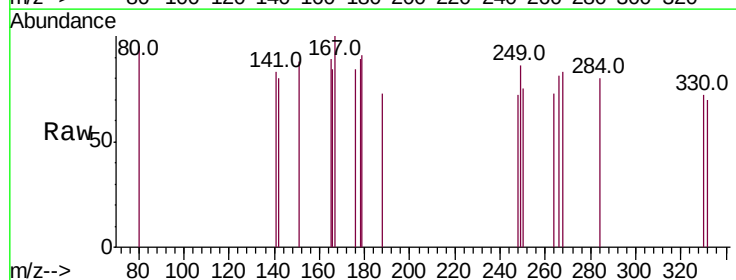
Instrument :
BNA_N
ClientSampled :

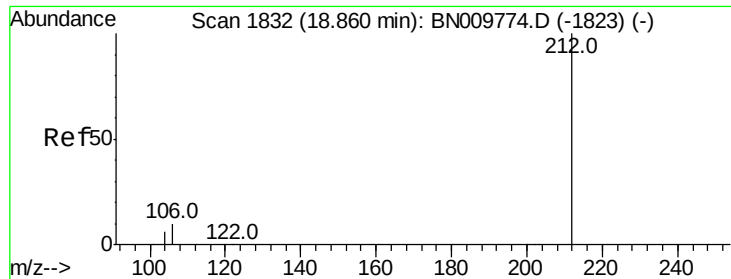
Tot Ion:248 Resp: 121
Ion Ratio Lower Upper
248 100
250 100.0 76.2 114.4
141 112.2 57.8 86.6#



#22
Pentachlorophenol
Concen: 0.184 ng
RT: 16.52 min Scan# 1520
Delta R.T. -0.00 min
Lab File: BN009792.D
Acq: 20 Feb 2020 23:12

Tgt Ion:266 Resp: 6
Ion Ratio Lower Upper
266 100
264 90.4 58.1 87.1#
268 101.9 65.7 98.5#

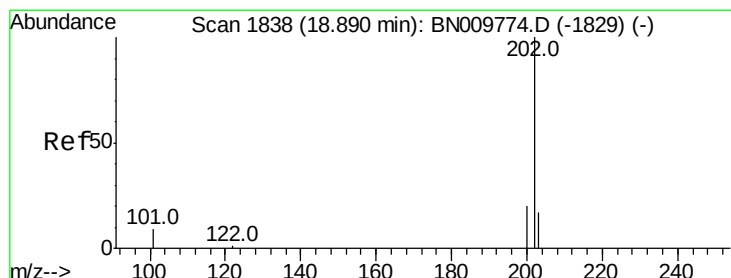
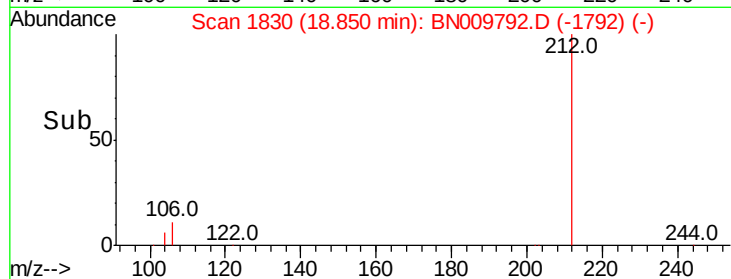
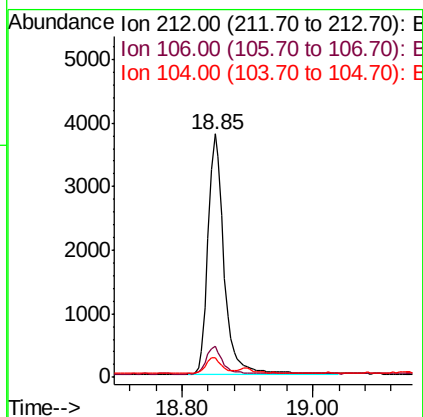
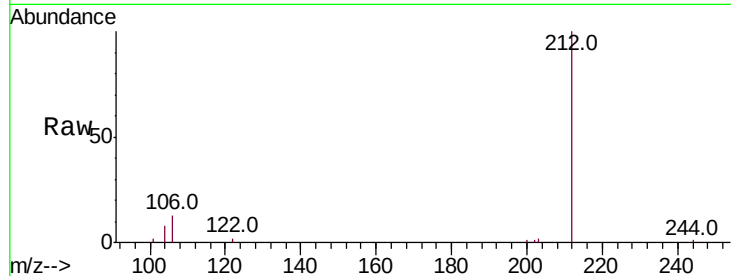




#25
 Fluoranthene-d10
 Concen: 0.338 ng
 RT: 18.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BN009792.D
 Acq: 20 Feb 2020 23:12

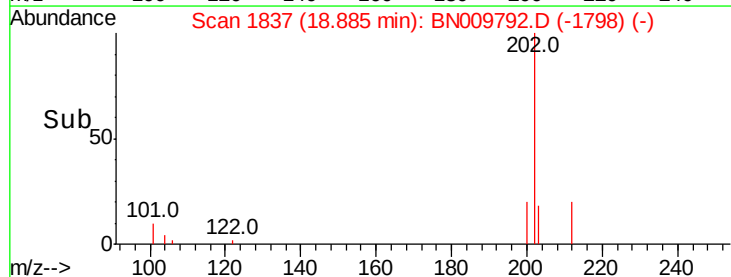
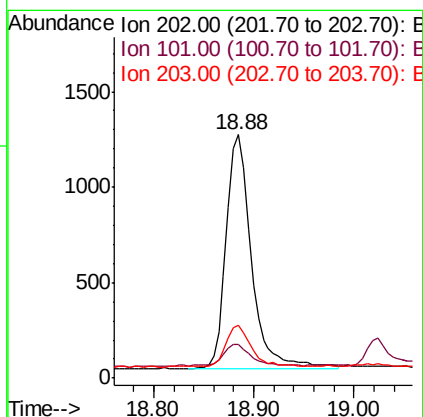
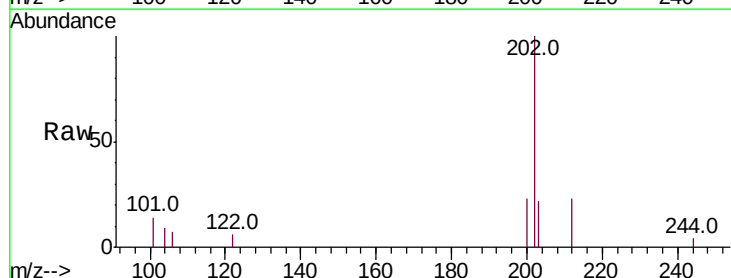
Instrument :
 BNA_N
 ClientSampleId :

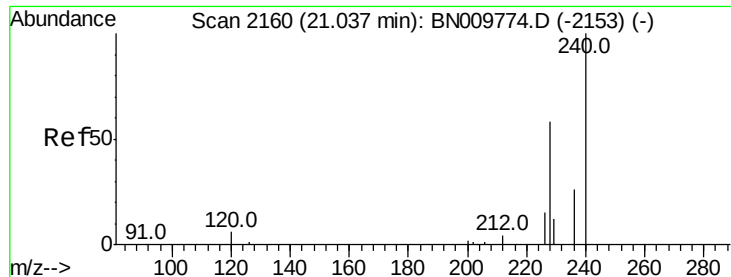
Tot Ion:212 Resp: 6398
 Ion Ratio Lower Upper
 212 100
 106 11.5 8.4 12.6
 104 6.1 4.8 7.2



#26
 Fluoranthene
 Concen: 0.109 ng
 RT: 18.88 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BN009792.D
 Acq: 20 Feb 2020 23:12

Tgt Ion:202 Resp: 2133
 Ion Ratio Lower Upper
 202 100
 101 10.1 7.1 10.7
 203 17.4 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BN009792.D

Acq: 20 Feb 2020 23:12

Instrument :

BNA_N

ClientSampleId :

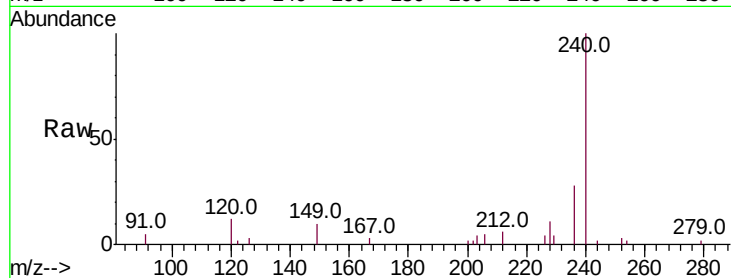
Tot Ion:240 Resp: 5161

Ion Ratio Lower Upper

240 100

120 11.8 7.9 11.9

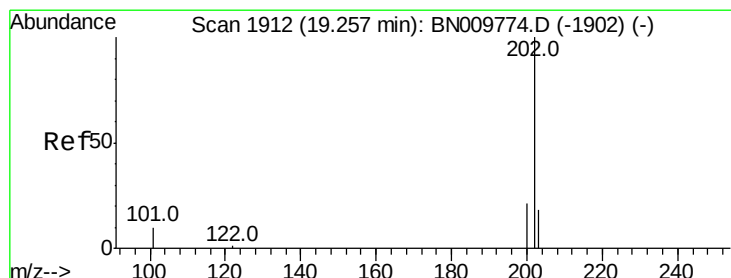
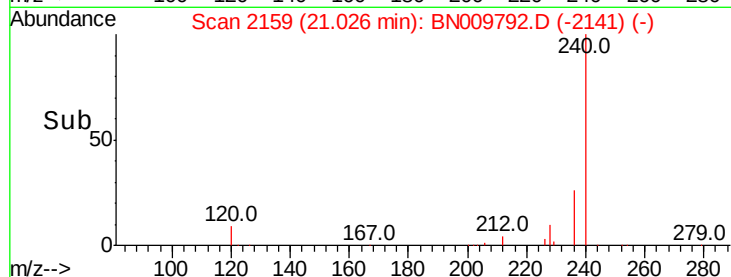
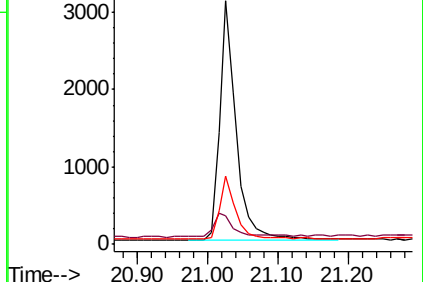
236 27.9 22.0 33.0



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



#28

Pyrene

Concen: 0.084 ng

RT: 19.25 min Scan# 1911

Delta R.T. -0.01 min

Lab File: BN009792.D

Acq: 20 Feb 2020 23:12

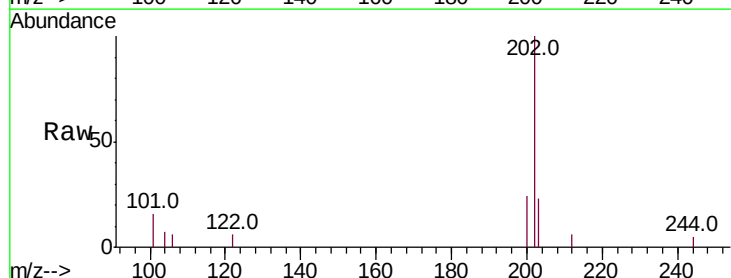
Tgt Ion:202 Resp: 1648

Ion Ratio Lower Upper

202 100

200 20.8 16.4 24.6

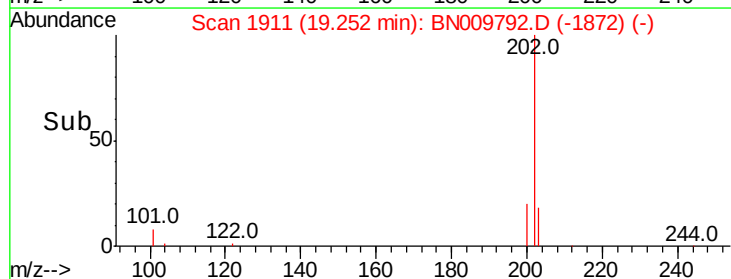
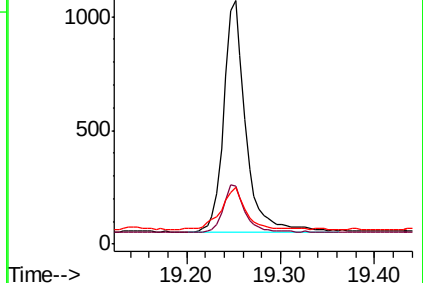
203 20.1 13.9 20.9

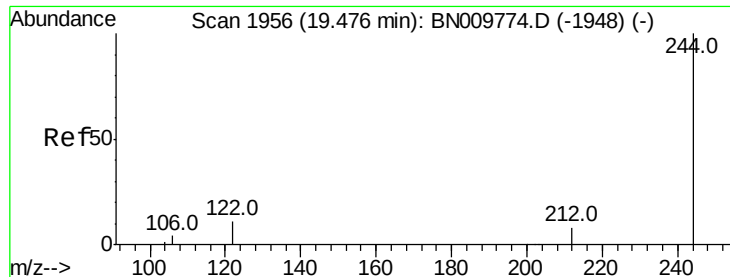


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.804 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN009792.D

Acq: 20 Feb 2020 23:12

Instrument :

BNA_N

ClientSampleId :

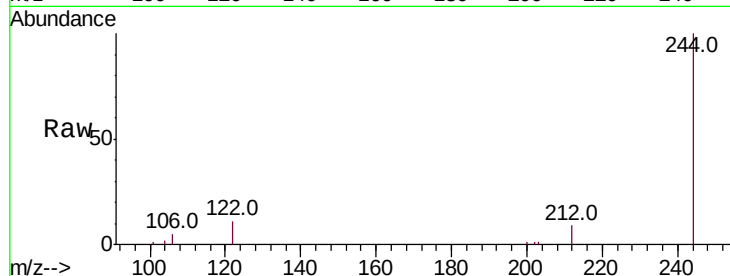
Tot Ion:244 Resp: 9914

Ion Ratio Lower Upper

244 100

212 8.6 8.0 12.0

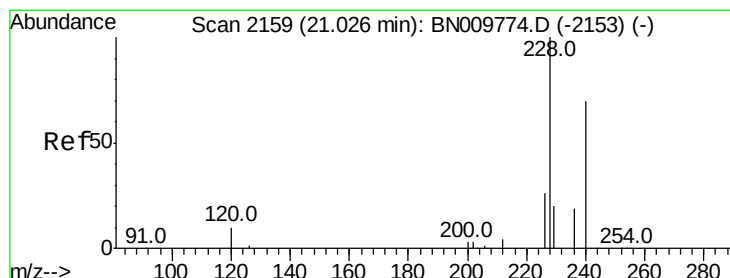
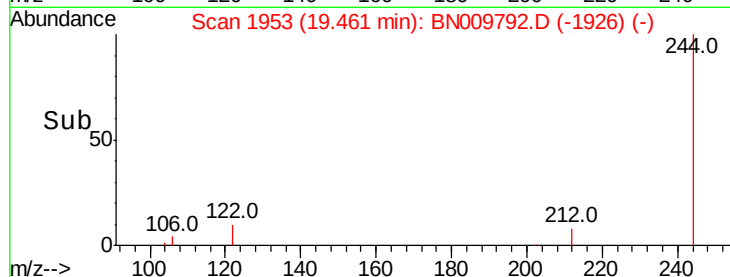
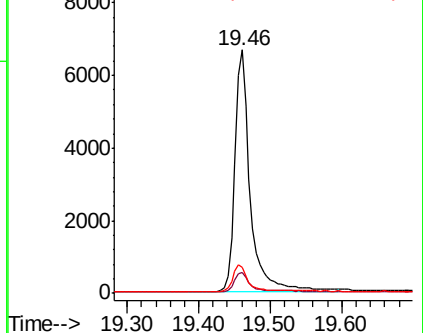
122 10.6 10.0 15.0



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



#30

Benzo(a)anthracene

Concen: 0.037 ng

RT: 21.02 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BN009792.D

Acq: 20 Feb 2020 23:12

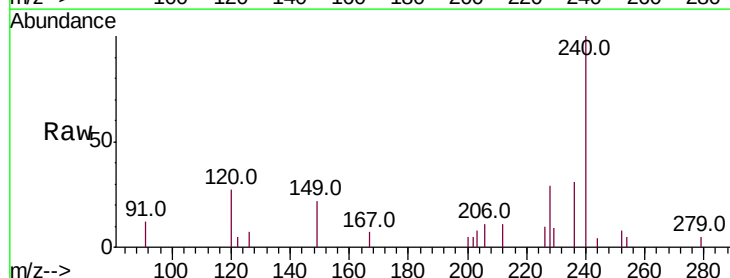
Tgt Ion:228 Resp: 630

Ion Ratio Lower Upper

228 100

226 36.1 21.8 32.8#

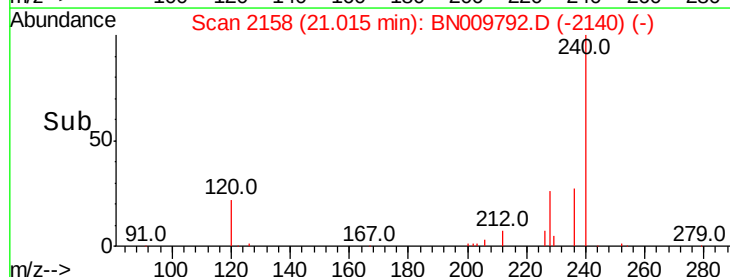
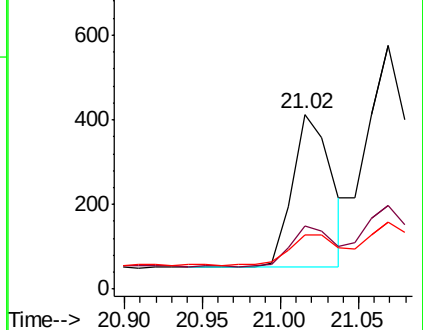
229 31.2 17.1 25.7#

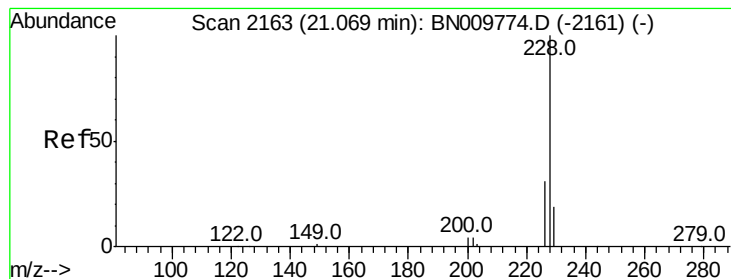


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.052 ng

RT: 21.07 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BN009792.D

Acq: 20 Feb 2020 23:12

Instrument :

BNA_N

ClientSampled :

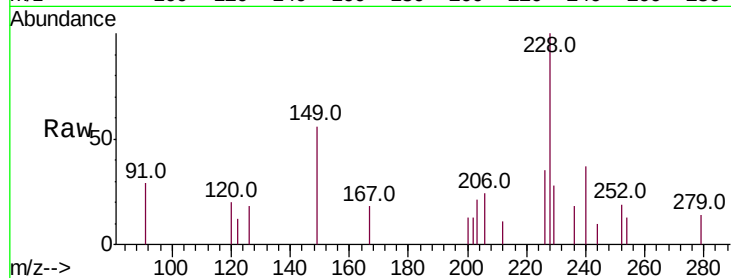
Tot Ion:228 Resp: 1023

Ion Ratio Lower Upper

228 100

226 34.6 24.8 37.2

229 27.7 16.4 24.6#

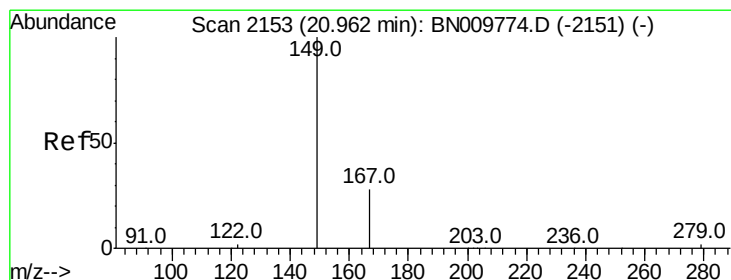
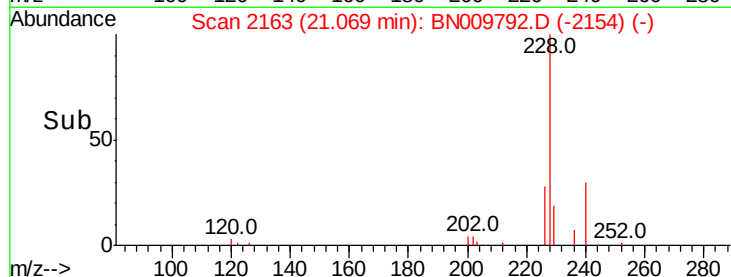
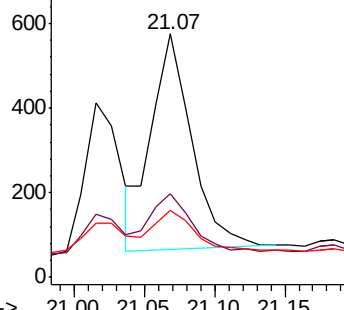


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.219 ng

RT: 20.95 min Scan# 2152

Delta R.T. -0.01 min

Lab File: BN009792.D

Acq: 20 Feb 2020 23:12

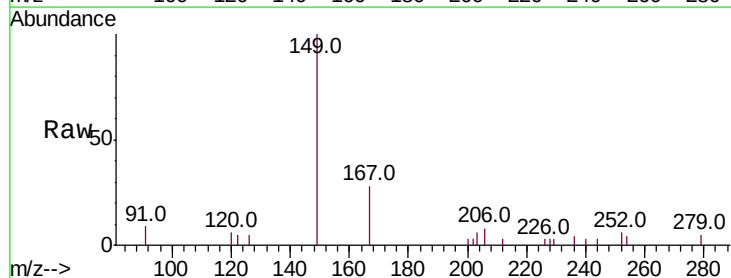
Tgt Ion:149 Resp: 1829

Ion Ratio Lower Upper

149 100

167 27.2 22.7 34.1

279 4.5 3.1 4.7

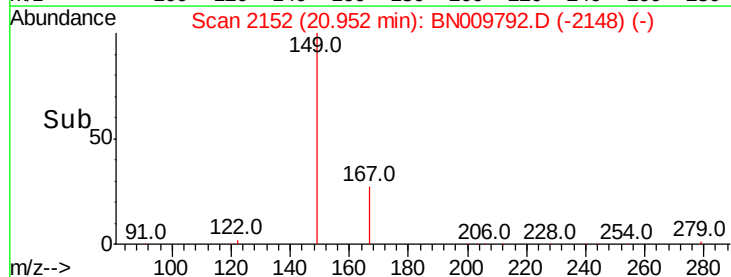
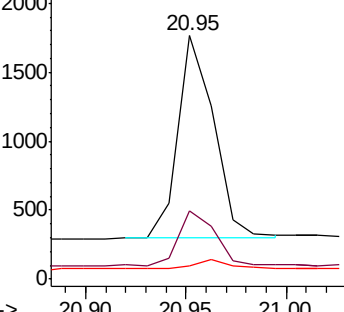


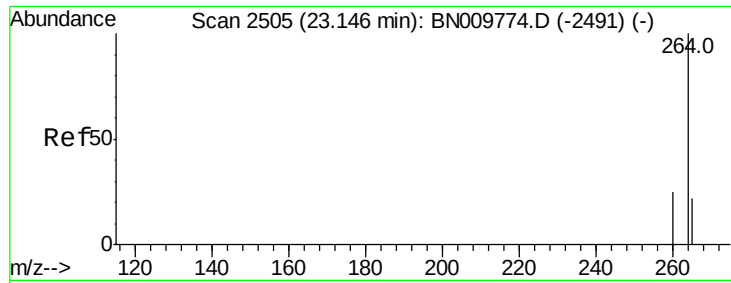
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

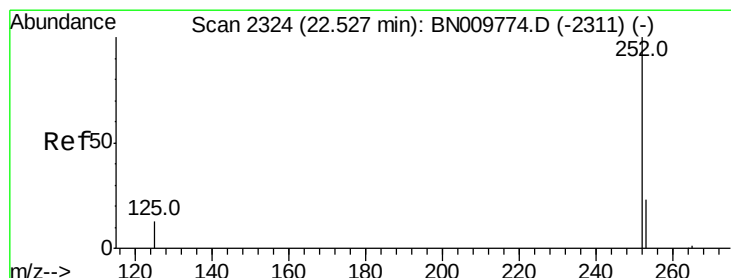
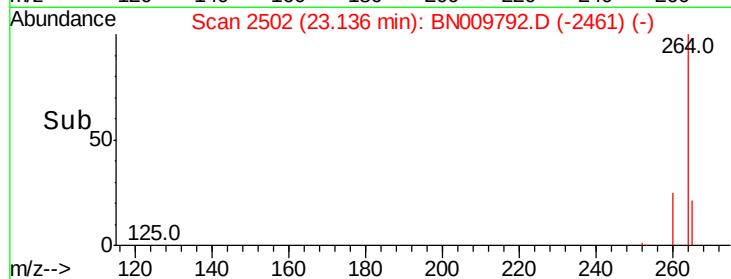
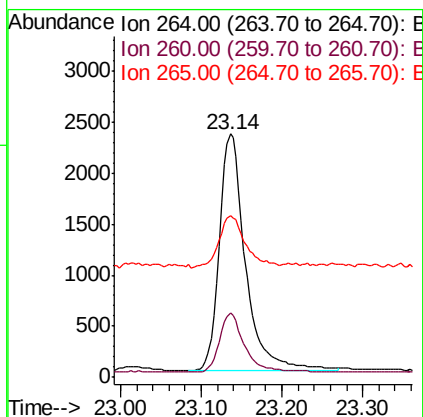
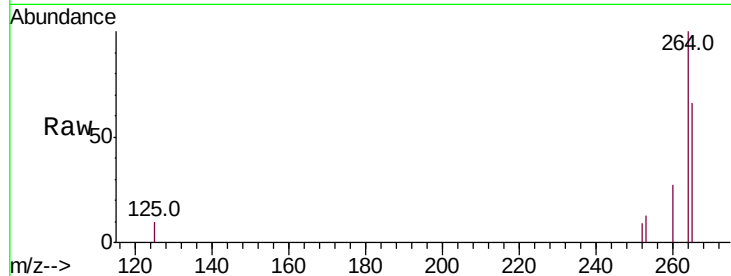




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.14 min Scan# 2502
Delta R.T. -0.01 min
Lab File: BN009792.D
Acq: 20 Feb 2020 23:12

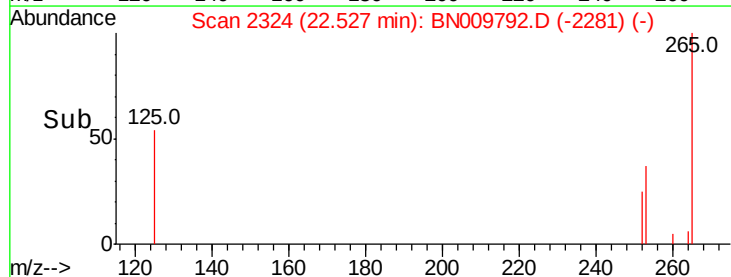
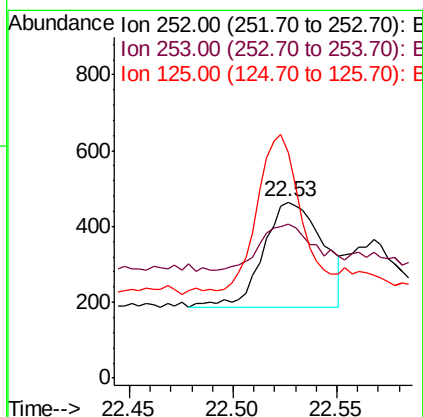
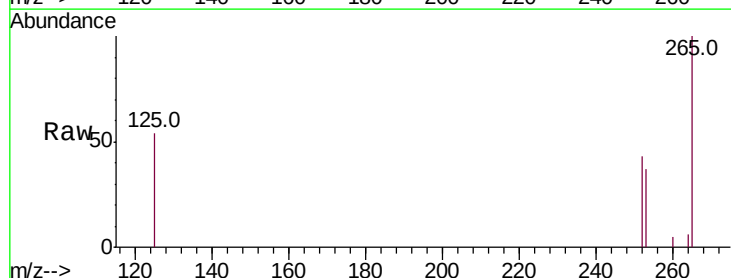
Instrument :
BNA_N
ClientSampleId :

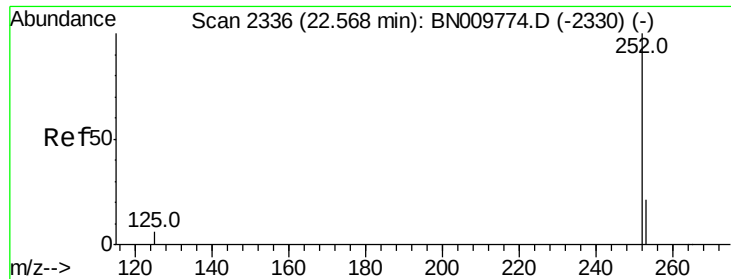
Tot Ion:264 Resp: 5214
Ion Ratio Lower Upper
264 100
260 26.7 21.1 31.7
265 66.2 57.5 86.3



#35
Benzo(b)fluoranthene
Concen: 0.029 ng
RT: 22.53 min Scan# 2324
Delta R.T. -0.00 min
Lab File: BN009792.D
Acq: 20 Feb 2020 23:12

Tgt Ion:252 Resp: 545
Ion Ratio Lower Upper
252 100
253 87.7 23.0 34.6#
125 128.0 14.4 21.6#





#36
 Benzo(k)fluoranthene
 Concen: 0.026 ng
 RT: 22.53 min Scan# 2324
 Delta R.T. -0.04 min
 Lab File: BN009792.D
 Acq: 20 Feb 2020 23:12

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 252 Resp: 545
 Ion Ratio Lower Upper
 252 100
 253 87.7 22.2 33.2#
 125 128.0 10.5 15.7#

