

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120921\
 Data File : BN017843.D
 Acq On : 09 Dec 2021 20:18
 Operator : CG/JU
 Sample : M4924-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE108D1-20211202

Quant Time: Dec 10 06:49:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 08 01:18:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

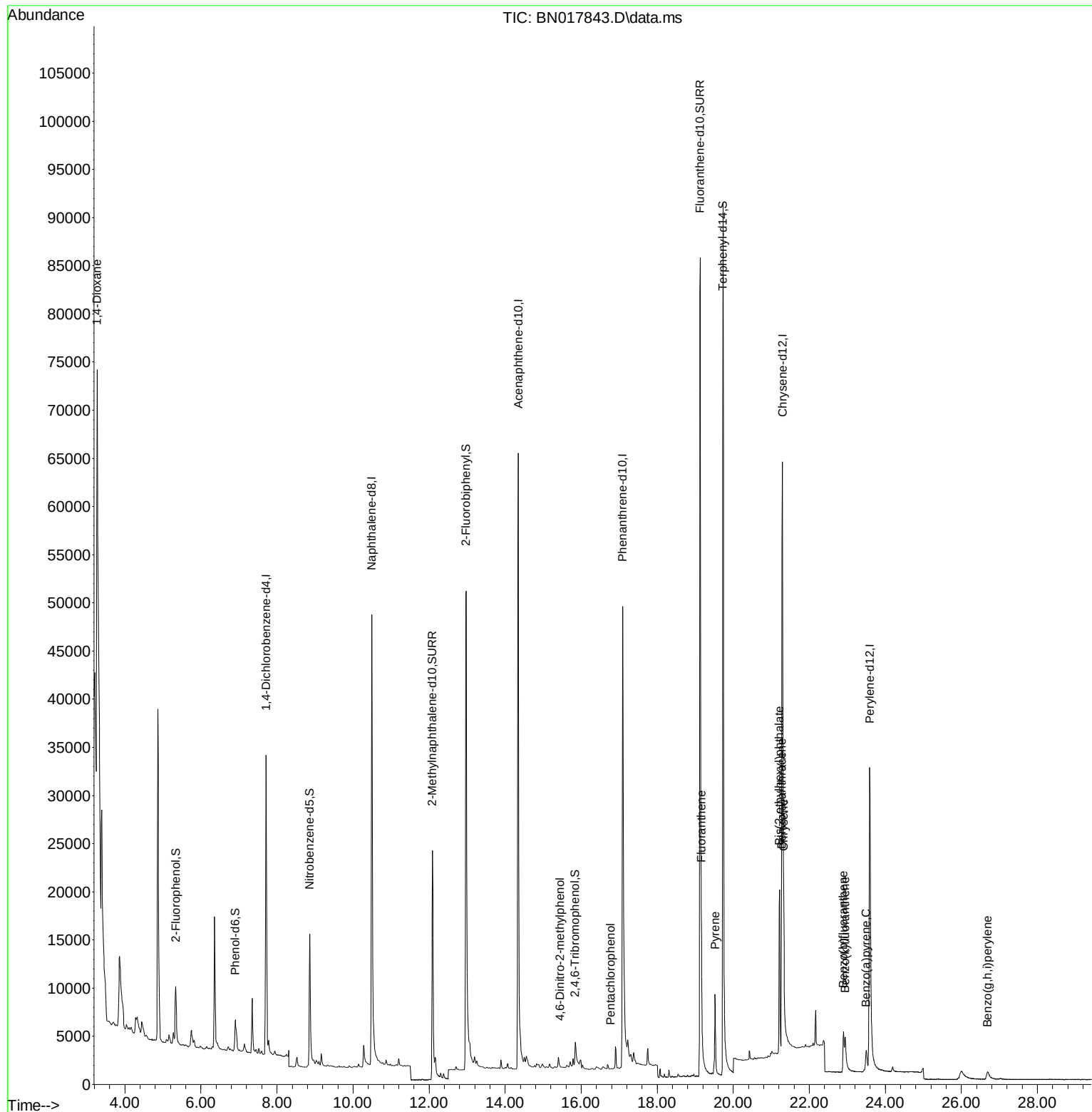
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.714	152	19227	0.40	ng	0.00
7) Naphthalene-d8	10.494	136	75889	0.40	ng	0.00
13) Acenaphthene-d10	14.347	164	49889	0.40	ng	0.00
19) Phenanthrene-d10	17.092	188	100775	0.40	ng	# 0.00
29) Chrysene-d12	21.293	240	88480	0.40	ng	# 0.01
35) Perylene-d12	23.589	264	60846	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	6765	0.15	ng	0.00
5) Phenol-d6	6.903	99	3480	0.08	ng	0.00
8) Nitrobenzene-d5	8.859	82	15760	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.089	152	43243	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	4040	0.15	ng	0.00
15) 2-Fluorobiphenyl	12.977	172	65481	0.36	ng	0.01
27) Fluoranthene-d10	19.129	212	132921	0.39	ng	0.00
31) Terphenyl-d14	19.730	244	123212	0.65	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.270	88	59557	8.41	ng	# 100
20) 4,6-Dinitro-2-methylph...	15.438	198	5	0.09	ng	# 1
24) Pentachlorophenol	16.776	266	33	0.28	ng	# 26
28) Fluoranthene	19.159	202	9071	0.03	ng	98
30) Pyrene	19.521	202	9468	0.03	ng	99
32) Benzo(a)anthracene	21.271	228	7986	0.03	ng	96
33) Chrysene	21.325	228	9166	0.03	ng	96
34) Bis(2-ethylhexyl)phtha...	21.218	149	19049	0.15	ng	99
37) Benzo(b)fluoranthene	22.897	252	6421	0.03	ng	# 80
38) Benzo(k)fluoranthene	22.942	252	4773	0.02	ng	# 82
39) Benzo(a)pyrene	23.493	252	4722	0.03	ng	# 57
41) Benzo(g,h,i)perylene	26.686	276	3129	0.02	ng	# 77

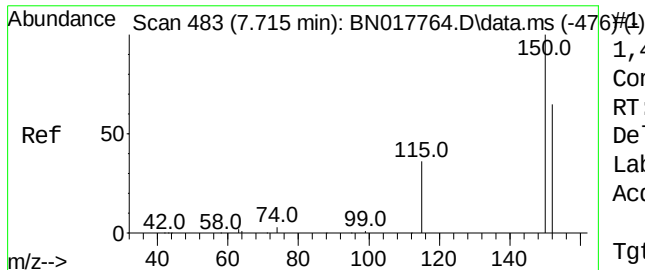
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.714 min Scan# 4

Delta R.T. -0.001 min

Lab File: BN017843.D

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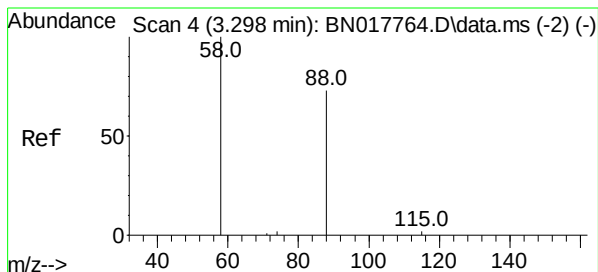
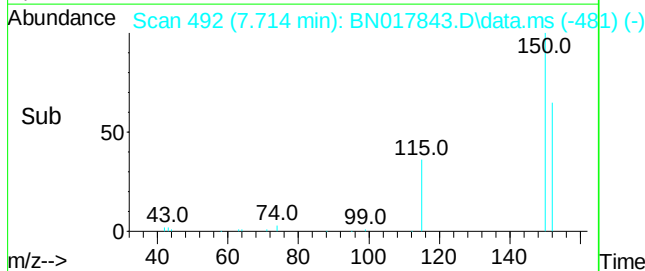
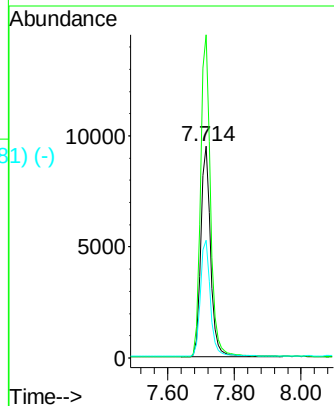
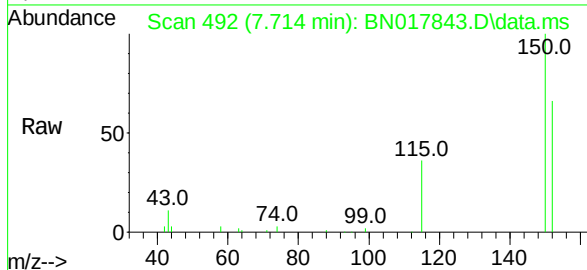
Tgt Ion:152 Resp: 19227

Ion Ratio Lower Upper

152 100

150 152.4 123.0 184.4

115 55.5 45.3 67.9



#2

1,4-Dioxane

Concen: 8.41 ng

RT: 3.270 min Scan# 10

Delta R.T. -0.028 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

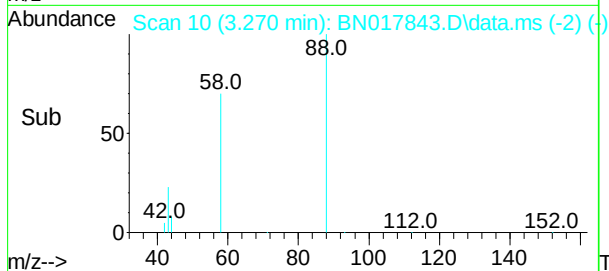
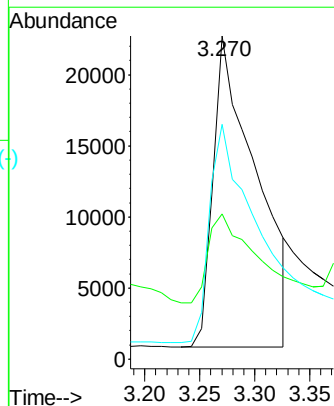
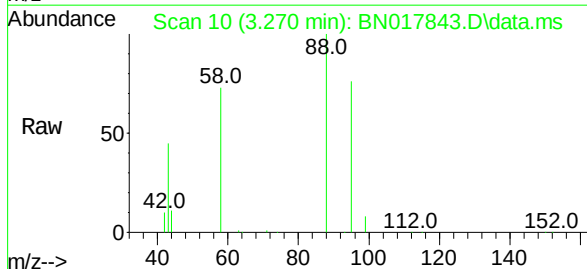
Tgt Ion: 88 Resp: 59557

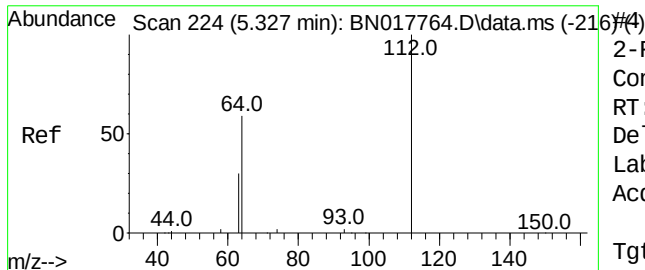
Ion Ratio Lower Upper

88 100

43 30.0 0.0 0.0#

58 73.7 0.0 0.0#





2-Fluorophenol

Concen: 0.15 ng

RT: 5.336 min Scan# 1

Delta R.T. 0.009 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

Instrument :

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RE108D1-20211202

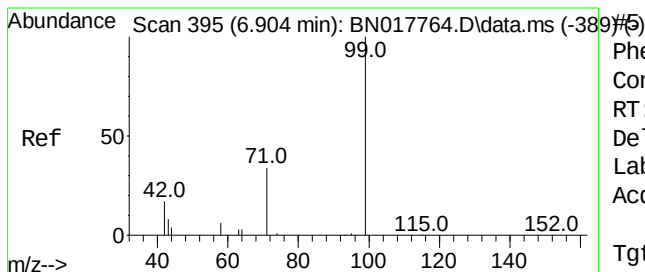
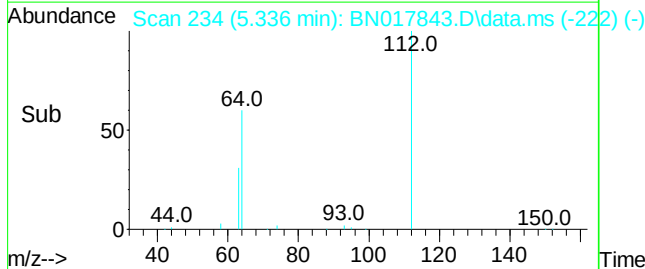
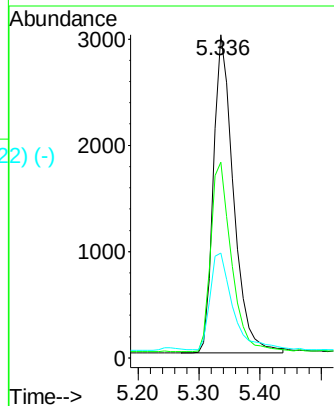
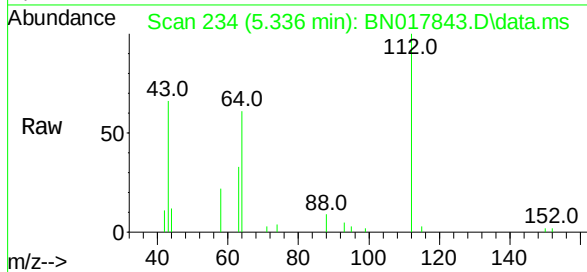
Tgt Ion:112 Resp: 6765

Ion Ratio Lower Upper

112 100

64 61.1 49.3 73.9

63 33.8 25.8 38.8



Phenol-d6

Concen: 0.08 ng

RT: 6.903 min Scan# 404

Delta R.T. -0.001 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

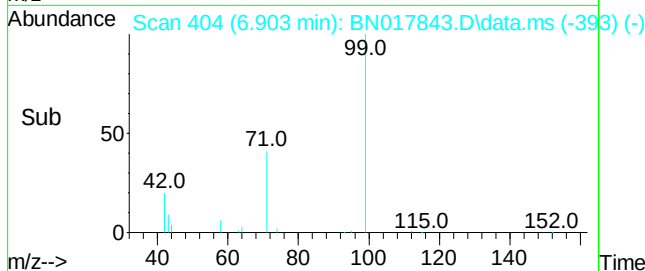
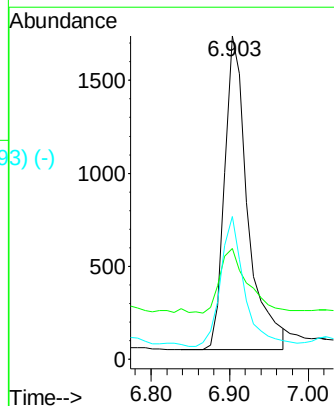
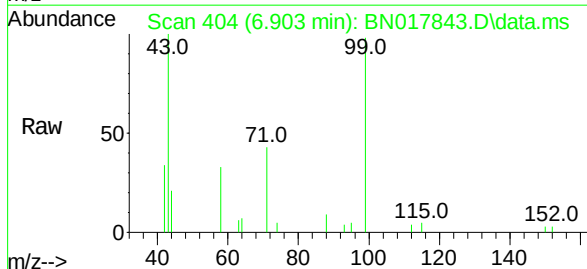
Tgt Ion: 99 Resp: 3480

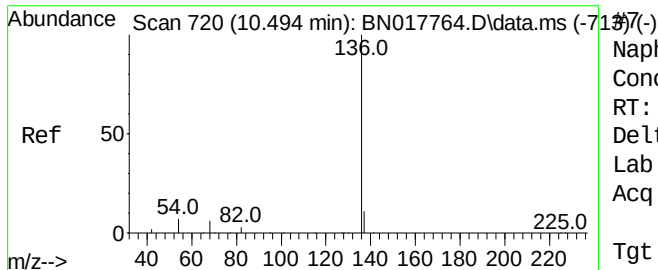
Ion Ratio Lower Upper

99 100

42 24.3 16.6 25.0

71 41.9 29.0 43.4





Naphthalene-d8

Concen: 0.40 ng

RT: 10.494 min Scan#

Delta R.T. -0.001 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

Instrument :

BNA_N

ClientSampleId :

RE108D1-20211202

Tgt Ion:136 Resp: 75889

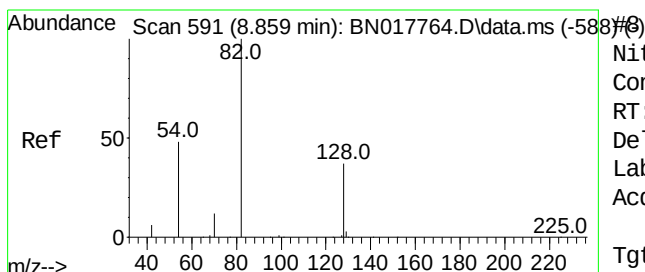
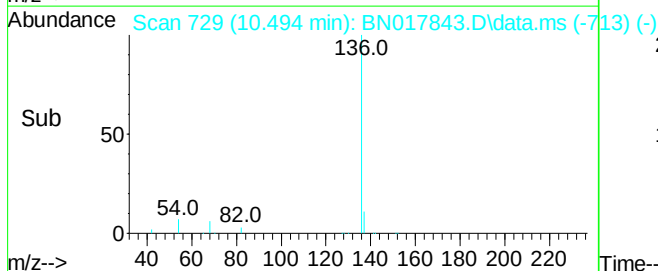
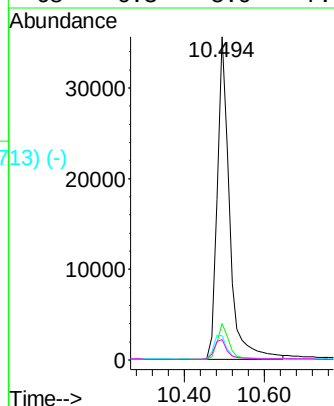
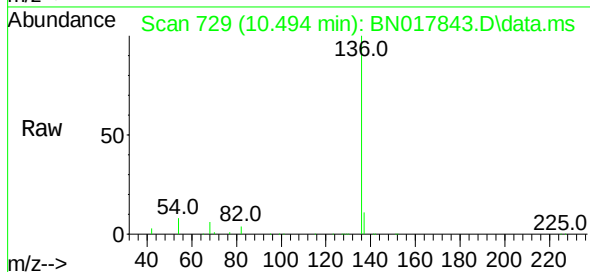
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.6 5.9 8.9

68 6.3 5.0 7.6



Nitrobenzene-d5

Concen: 0.31 ng

RT: 8.859 min Scan# 600

Delta R.T. -0.001 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

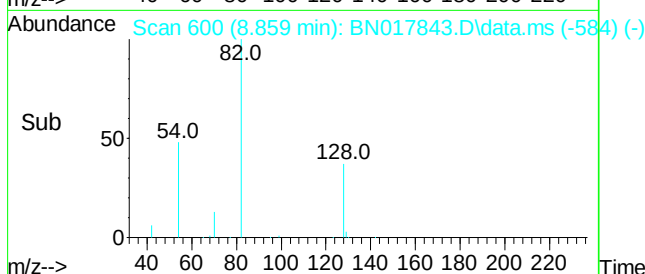
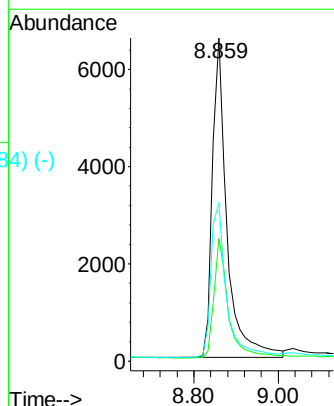
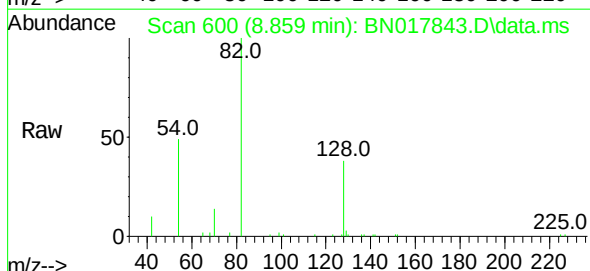
Tgt Ion: 82 Resp: 15760

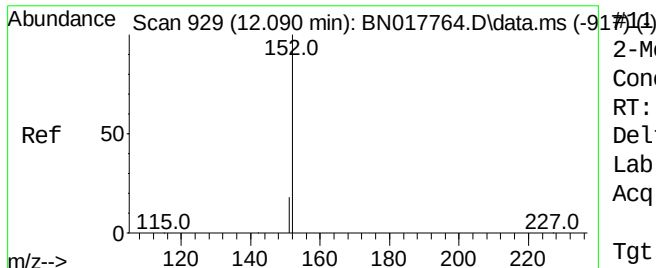
Ion Ratio Lower Upper

82 100

128 38.0 30.2 45.2

54 49.0 39.0 58.6

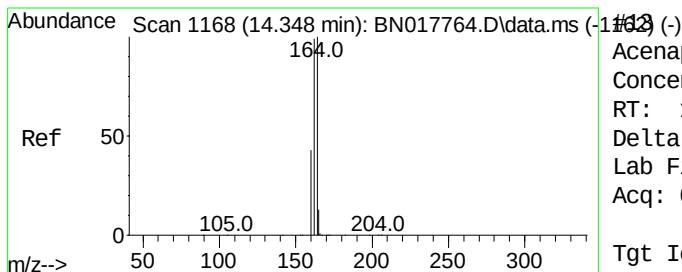
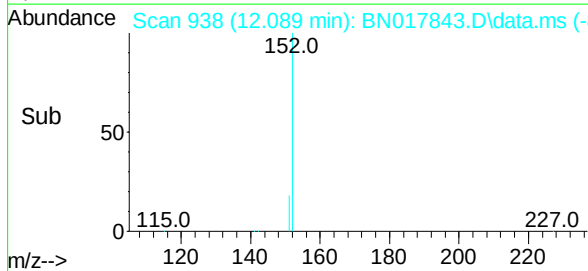
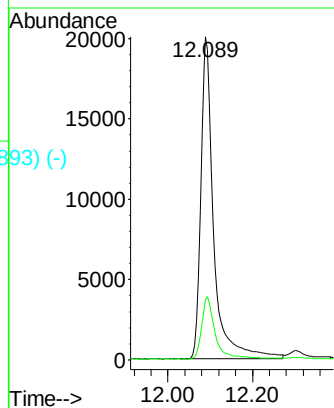
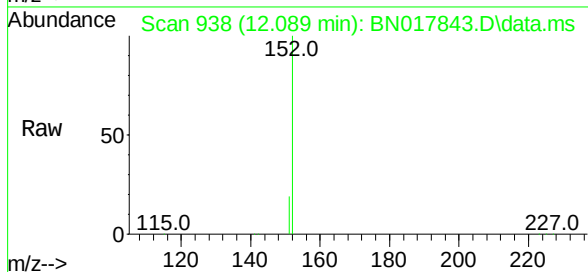




2-Methylnaphthalene-d10
 Concen: 0.29 ng
 RT: 12.089 min Scan# 117
 Delta R.T. -0.001 min
 Lab File: BN017843.D
 Acq: 09 Dec 2021 20:18

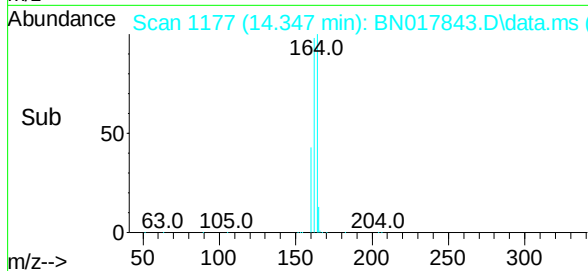
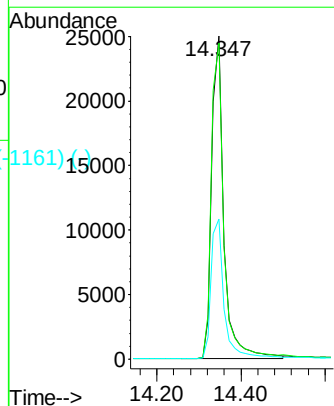
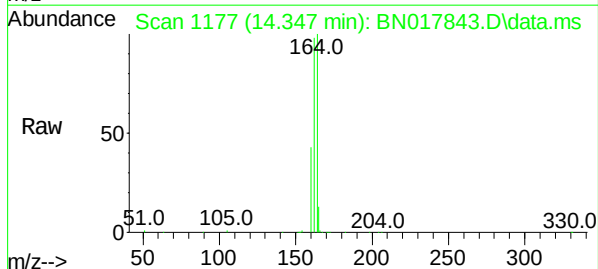
Instrument :
 BNA_N
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 RE108D1-20211202

Tgt Ion:152 Resp: 43243
 Ion Ratio Lower Upper
 152 100
 151 20.5 16.4 24.6



Acenaphthene-d10
 Concen: 0.40 ng
 RT: 14.347 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: BN017843.D
 Acq: 09 Dec 2021 20:18

Tgt Ion:164 Resp: 49889
 Ion Ratio Lower Upper
 164 100
 162 97.8 79.0 118.6
 160 43.4 34.6 52.0



Abundance Scan 1286 (15.845 min): BN017764.D\data.ms (-1286) (-)

2,4,6-Tribromophenol

Concen: 0.15 ng

RT: 15.844 min Scan# 1286

Delta R.T. -0.001 min

Lab File: BN017843.D

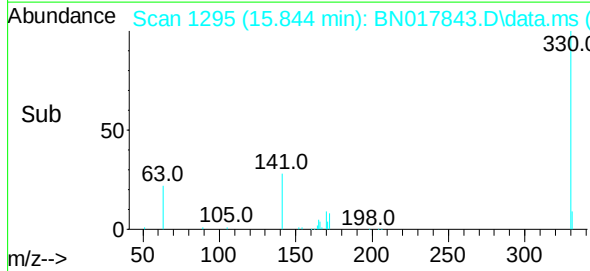
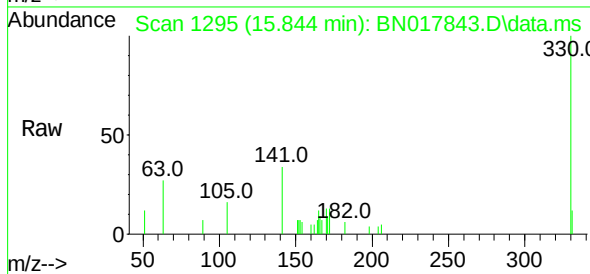
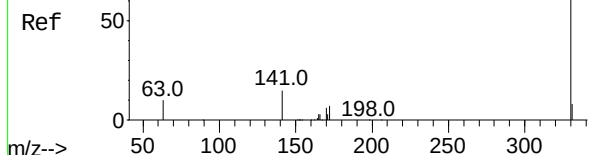
Acq: 09 Dec 2021 20:18

Instrument :

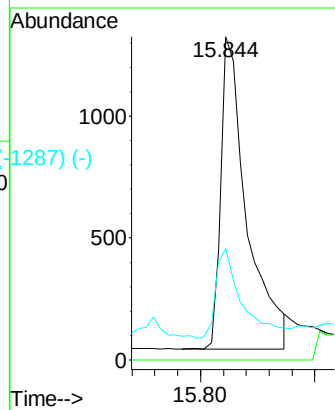
BNA_N

ClientSampleId :

RE108D1-20211202



Tgt Ion:	330	Resp:	4040
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	29.3	21.5	32.3



Abundance Scan 1059 (12.965 min): BN017764.D\data.ms (-1059) (-)

2-Fluorobiphenyl

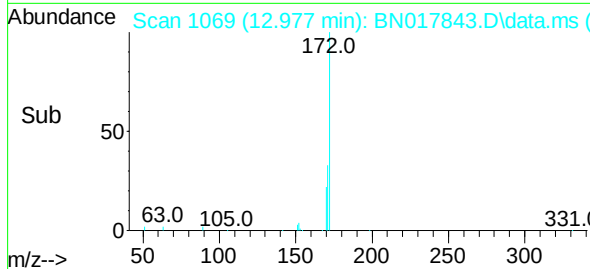
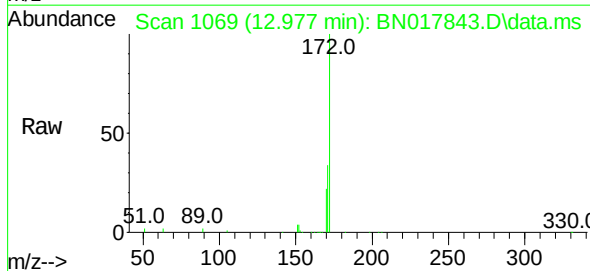
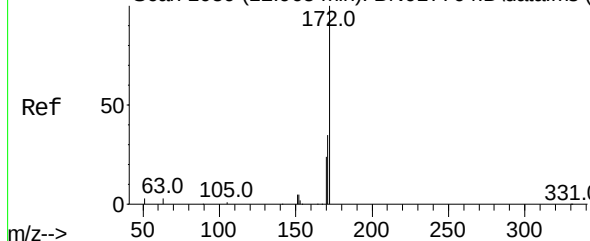
Concen: 0.36 ng

RT: 12.977 min Scan# 1069

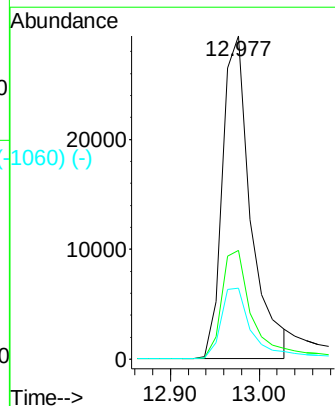
Delta R.T. 0.012 min

Lab File: BN017843.D

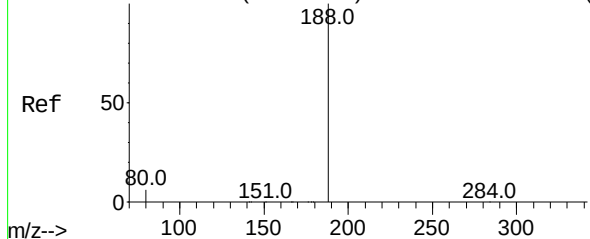
Acq: 09 Dec 2021 20:18



Tgt Ion:	172	Resp:	65481
Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.1	42.1
170	21.9	18.9	28.3



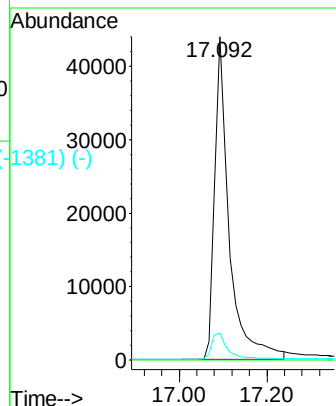
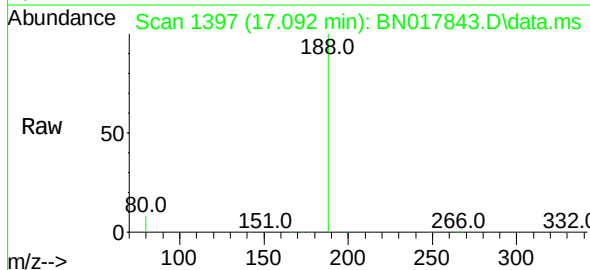
Abundance Scan 1388 (17.093 min): BN017764.D\data.ms (-1388) (-)



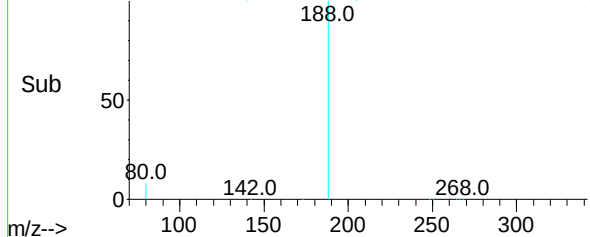
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.092 min Scan# 1388
Delta R.T. -0.001 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

Instrument :
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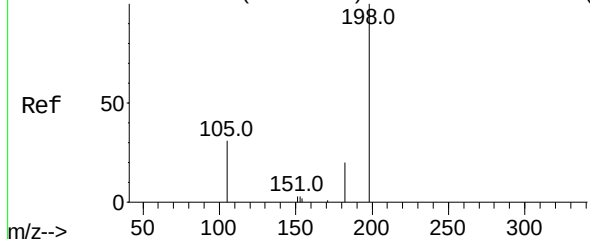
Tgt Ion:188 Resp: 100775
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.4 5.1 7.7#



Abundance Scan 1397 (17.092 min): BN017843.D\data.ms (-1381) (-)

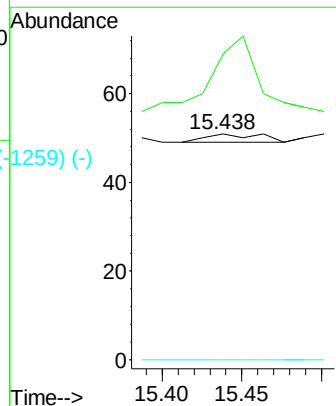
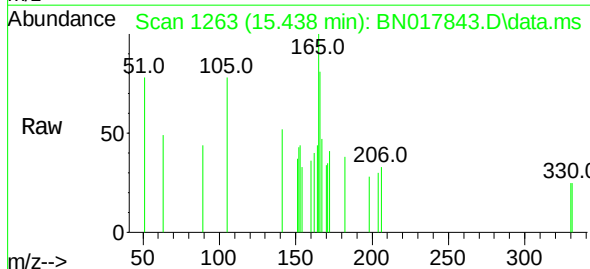


Abundance Scan 1258 (15.489 min): BN017764.D\data.ms (-1258) (-)

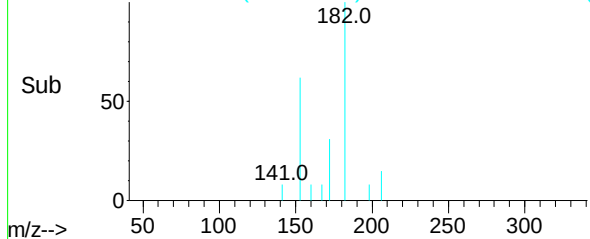


4,6-Dinitro-2-methylphenol
Concen: 0.09 ng
RT: 15.438 min Scan# 1263
Delta R.T. -0.051 min
Lab File: BN017843.D
Acq: 09 Dec 2021 20:18

Tgt Ion:198 Resp: 5
Ion Ratio Lower Upper
198 100
182 135.3 44.2 66.2#
77 0.0 0.0 0.0



Abundance Scan 1263 (15.438 min): BN017843.D\data.ms (-1259) (-)



Abundance Scan 1361 (16.764 min): BN017764.D\data.ms (-1361) (-)

Pentachlorophenol

Concen: 0.28 ng

RT: 16.776 min Scan# 1361

Delta R.T. 0.012 min

Lab File: BN017843.D

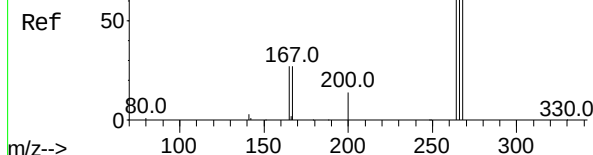
Acq: 09 Dec 2021 20:18

Instrument :

BNA_N

ClientSampleId :

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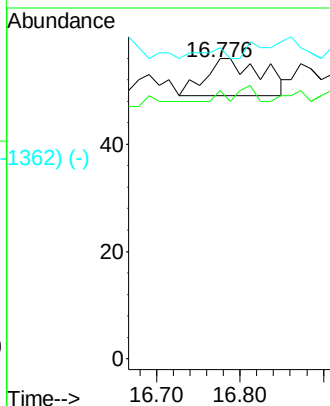
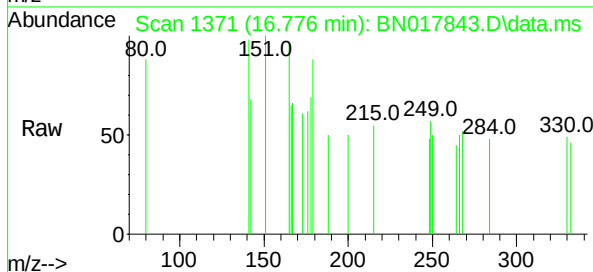
Tgt Ion:266 Resp: 33

Ion Ratio Lower Upper

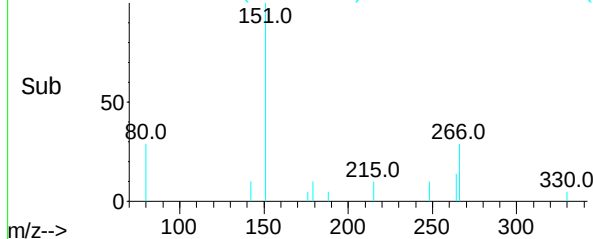
266 100

264 0.0 50.8 76.2#

268 12.1 51.8 77.6#



Abundance Scan 1371 (16.776 min): BN017843.D\data.ms (-1362) (-)



Abundance Scan 1688 (19.130 min): BN017764.D\data.ms (-1625) (-)

Fluoranthene-d10

Concen: 0.39 ng

RT: 19.129 min Scan# 1697

Delta R.T. -0.001 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

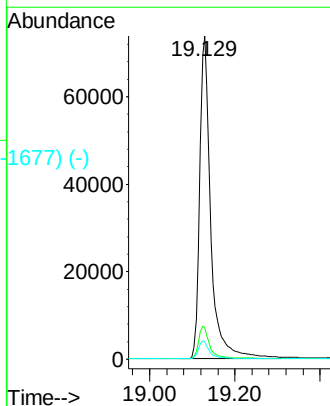
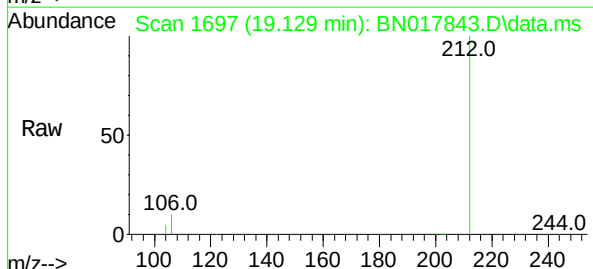
Tgt Ion:212 Resp: 132921

Ion Ratio Lower Upper

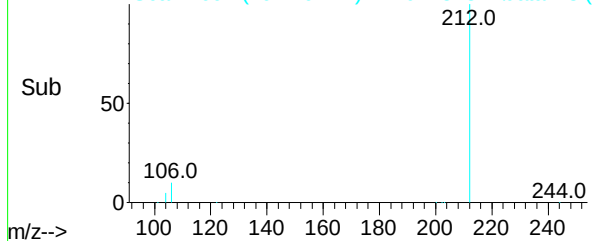
212 100

106 10.2 8.2 12.2

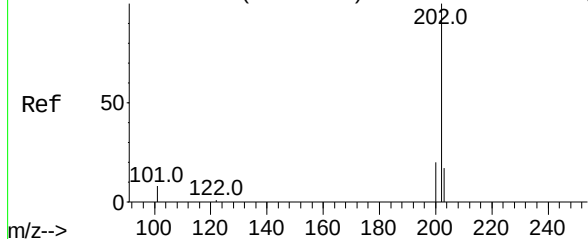
104 5.7 4.6 6.8



Abundance Scan 1697 (19.129 min): BN017843.D\data.ms (-1677) (-)



Abundance Scan 1694 (19.159 min): BN017764.D\data.ms (-1629) (-)



Fluoranthene

Concen: 0.03 ng

RT: 19.159 min Scan# 1694

Delta R.T. -0.001 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

Instrument :

BNA_N

ClientSampleId :

RE108D1-20211202

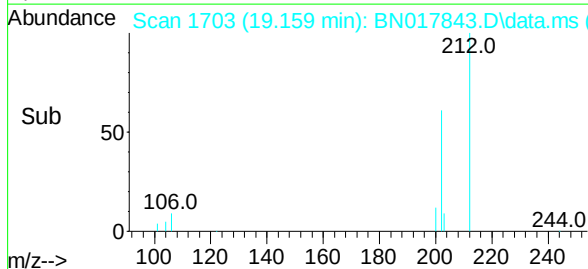
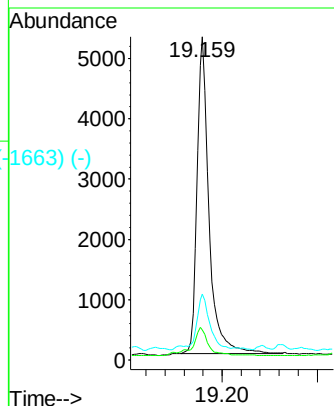
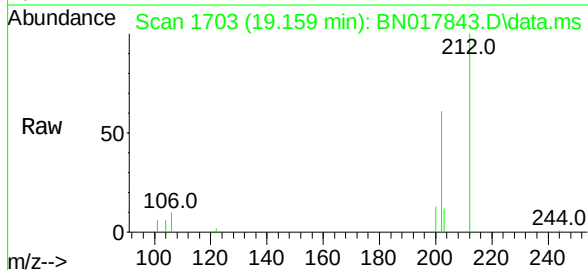
Tgt Ion:202 Resp: 9071

Ion Ratio Lower Upper

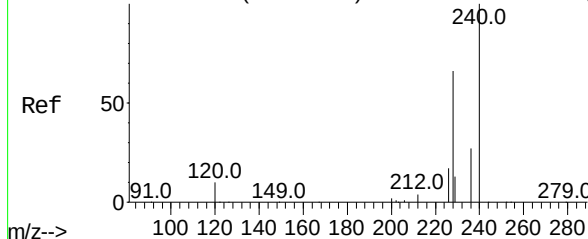
202 100

101 10.2 7.2 10.8

203 17.7 13.7 20.5



Abundance Scan 1985 (21.293 min): BN017764.D\data.ms (-1929) (-)



Chrysene-d12

Concen: 0.40 ng

RT: 21.293 min Scan# 1995

Delta R.T. 0.010 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

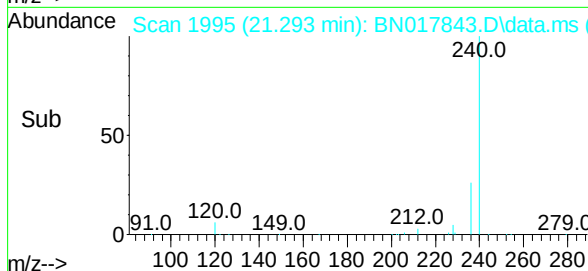
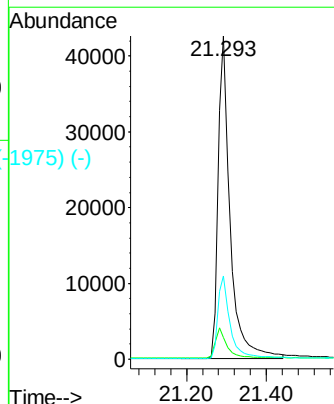
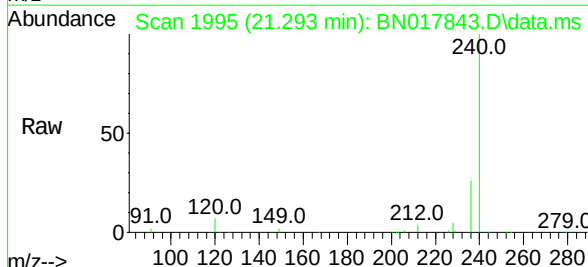
Tgt Ion:240 Resp: 88480

Ion Ratio Lower Upper

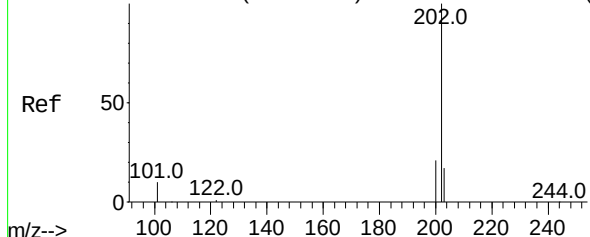
240 100

120 6.7 7.9 11.9#

236 25.8 21.4 32.2



Abundance Scan 1767 (19.522 min): BN017764.D\data.ms (-1730) (-)



Pyrene

Concen: 0.03 ng

RT: 19.521 min Scan# 1730

Delta R.T. -0.001 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

Instrument :

BNA_N

ClientSampleId :

RE108D1-20211202

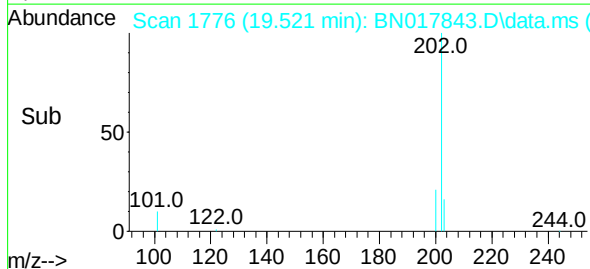
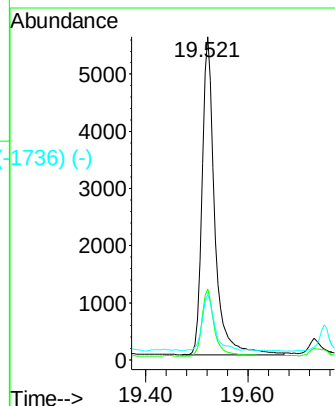
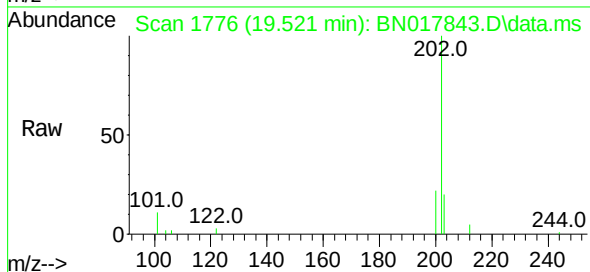
Tgt Ion:202 Resp: 9468

Ion Ratio Lower Upper

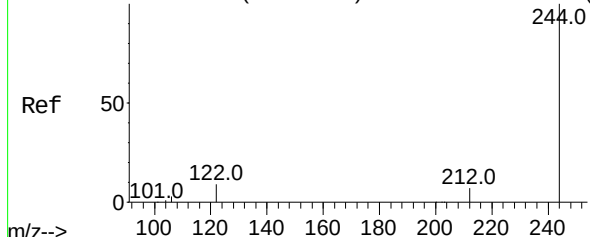
202 100

200 20.0 16.5 24.7

203 17.9 14.0 21.0



Abundance Scan 1810 (19.735 min): BN017764.D\data.ms (-1801) (-)



Terphenyl-d14

Concen: 0.65 ng

RT: 19.730 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

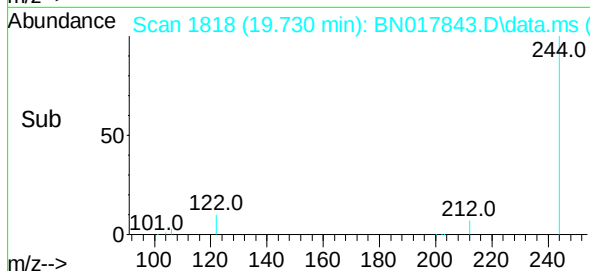
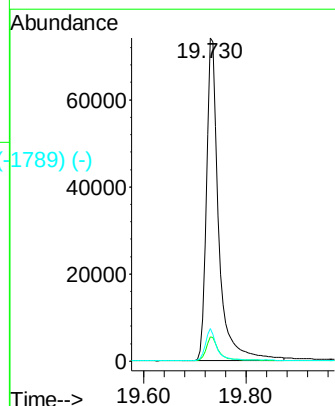
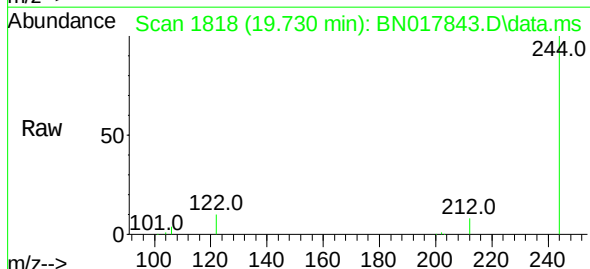
Tgt Ion:244 Resp: 123212

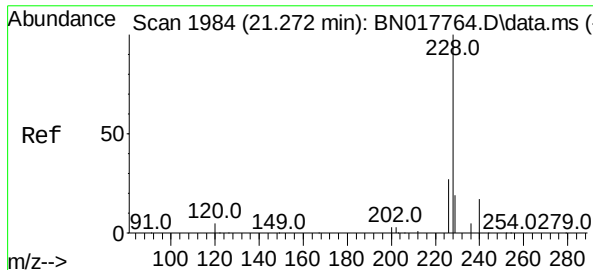
Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

122 10.0 7.1 10.7

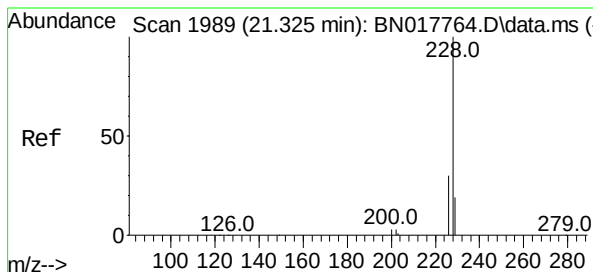
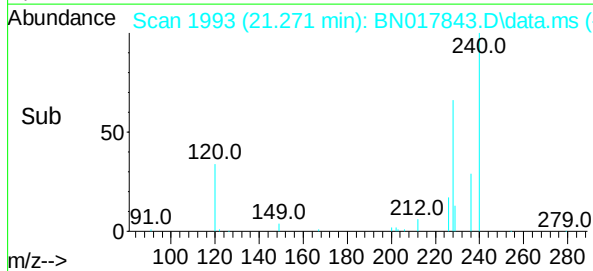
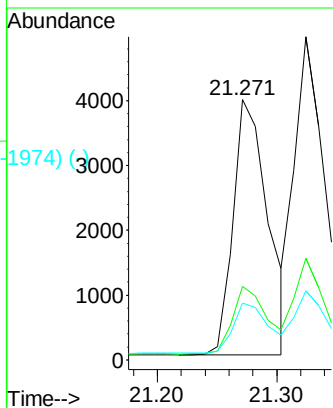
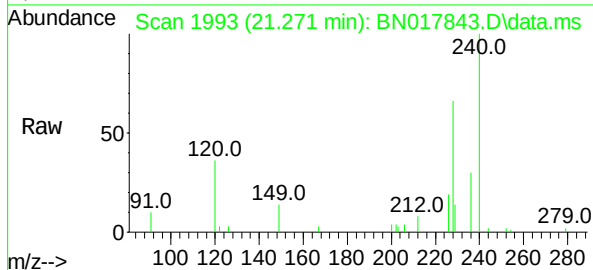




Scan 1984 (21.272 min): BN017764.D\data.ms (-1984) (-)
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 21.271 min Scan# 1984
 Delta R.T. -0.001 min
 Lab File: BN017843.D
 Acq: 09 Dec 2021 20:18

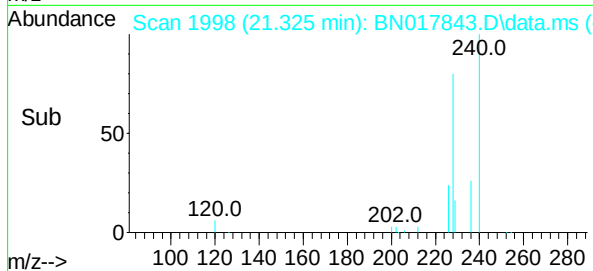
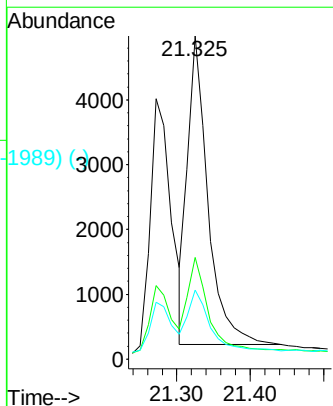
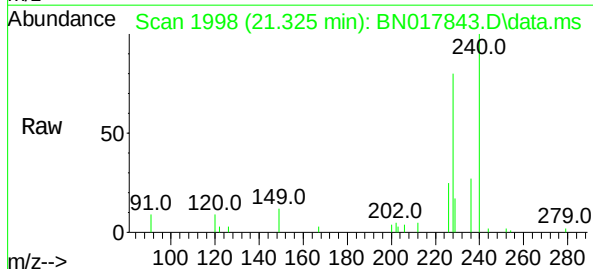
Instrument :
 BNA_N
 ClientSampleId :
 RE108D1-20211202

Tgt Ion:	228	Resp:	7986
Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.4	32.0
229	21.8	15.7	23.5



Scan 1989 (21.325 min): BN017764.D\data.ms (-1989) (-)
 Chrysene
 Concen: 0.03 ng
 RT: 21.325 min Scan# 1998
 Delta R.T. -0.001 min
 Lab File: BN017843.D
 Acq: 09 Dec 2021 20:18

Tgt Ion:	228	Resp:	9166
Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.6	35.4
229	21.3	15.6	23.4



Abundance Scan 1979 (21.219 min): BN017764.D\data.ms (-1979) (-)

Bis(2-ethylhexyl)phthalate

Concen: 0.15 ng

RT: 21.218 min Scan# 1979

Delta R.T. -0.001 min

Lab File: BN017843.D

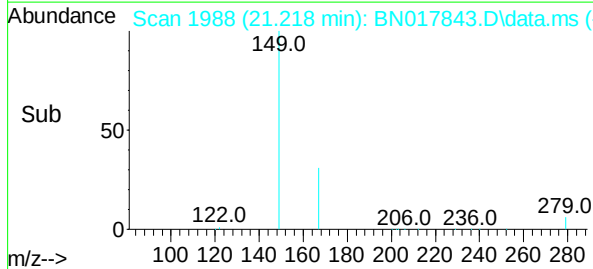
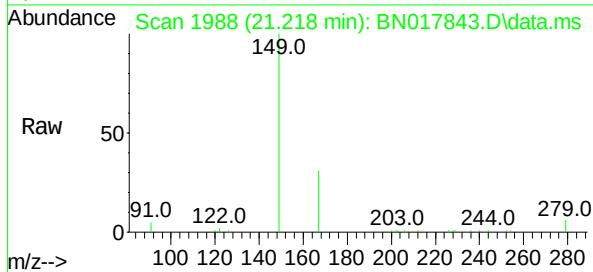
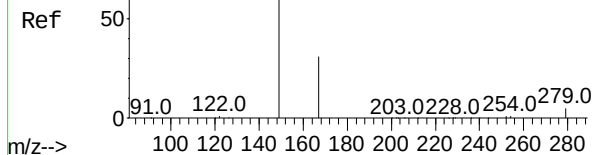
Acq: 09 Dec 2021 20:18

Instrument :

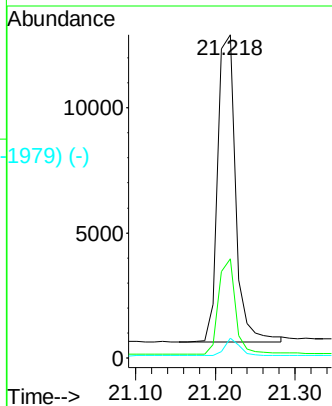
BNA_N

ClientSampleId :

RE108D1-20211202



Tgt Ion:	149	Resp:	19049
Ion Ratio	Lower	Upper	
149	100		
167	28.8	23.5	35.3
279	4.8	3.8	5.6



Abundance Scan 2434 (23.582 min): BN017764.D\data.ms (-2434) (-)

Perylene-d12

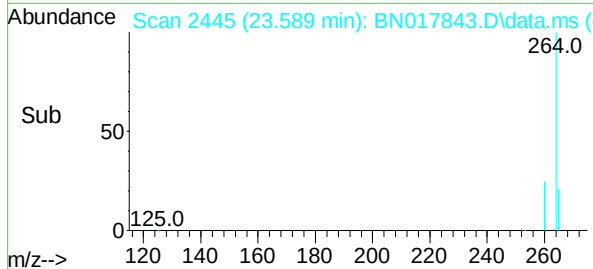
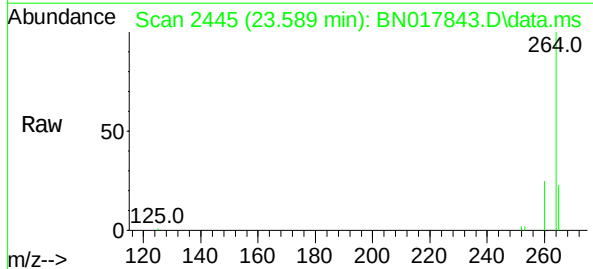
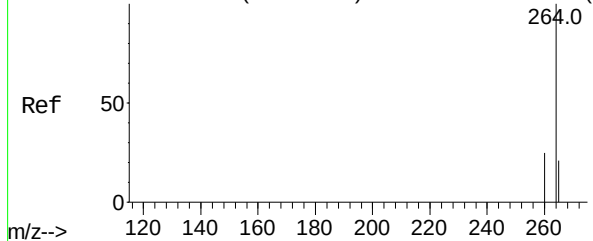
Concen: 0.40 ng

RT: 23.589 min Scan# 2445

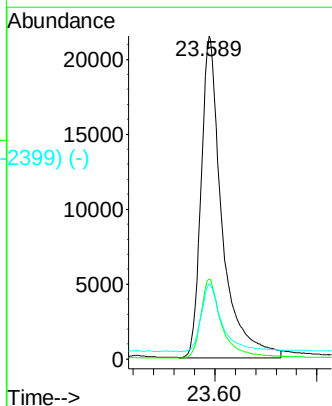
Delta R.T. 0.006 min

Lab File: BN017843.D

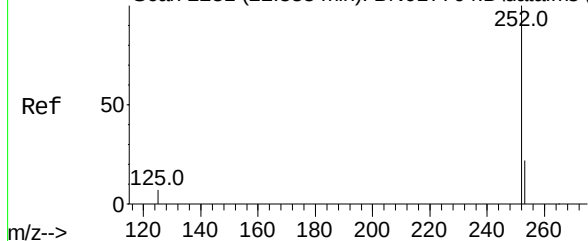
Acq: 09 Dec 2021 20:18



Tgt Ion:	264	Resp:	60846
Ion Ratio	Lower	Upper	
264	100		
260	24.8	20.0	30.0
265	23.4	20.5	30.7



Abundance Scan 2231 (22.888 min): BN017764.D\data.ms (-2187) (-)



Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 22.897 min Scan# 2187

Delta R.T. 0.010 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

Instrument :

BNA_N

ClientSampleId :

RE108D1-20211202

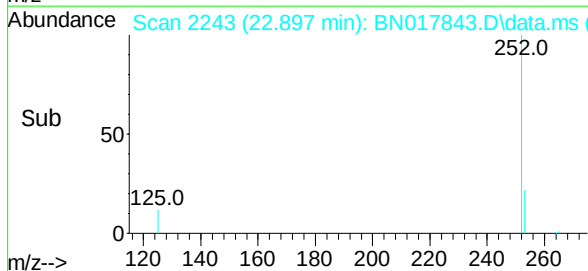
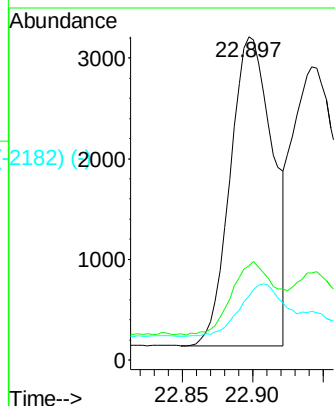
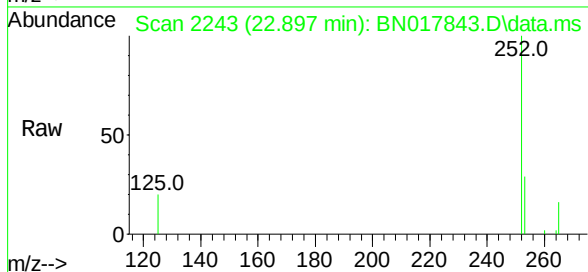
Tgt Ion:252 Resp: 6421

Ion Ratio Lower Upper

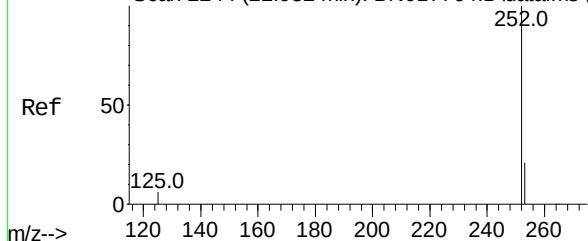
252 100

253 29.2 17.7 26.5#

125 19.8 6.2 9.2#



Abundance Scan 2244 (22.932 min): BN017764.D\data.ms (-2188) (-)



Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 22.942 min Scan# 2256

Delta R.T. 0.010 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

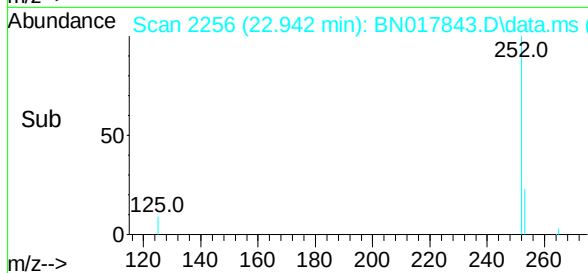
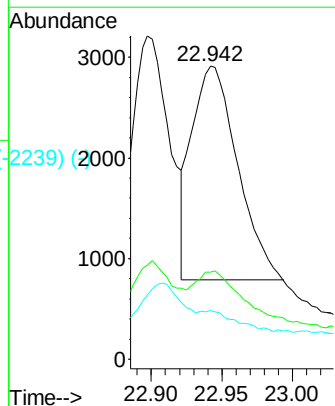
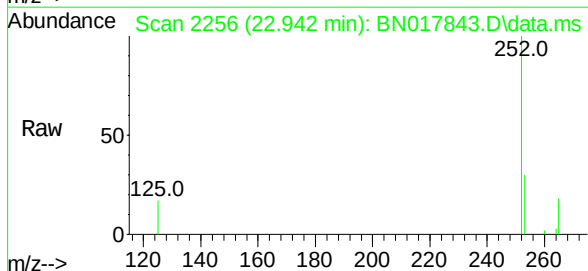
Tgt Ion:252 Resp: 4773

Ion Ratio Lower Upper

252 100

253 29.6 17.8 26.6#

125 16.6 6.2 9.2#



Abundance Scan 2405 (23.483 min): BN017764.D\data.ms (-339) (-)

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.493 min Scan# 1

Delta R.T. 0.010 min

Lab File: BN017843.D

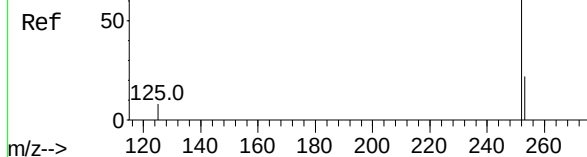
Acq: 09 Dec 2021 20:18

Instrument :

BNA_N

ClientSampleId :

RE108D1-20211202



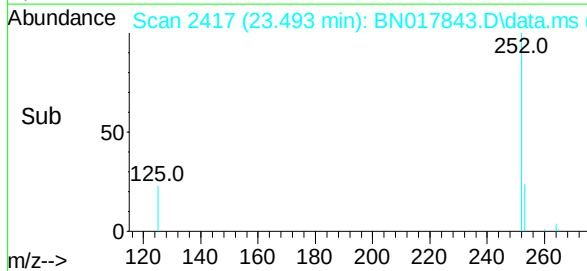
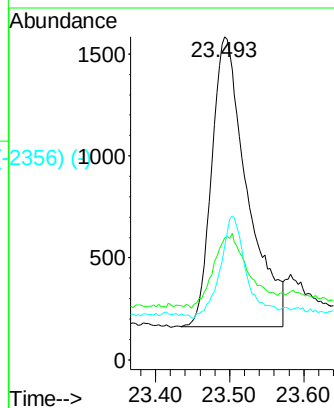
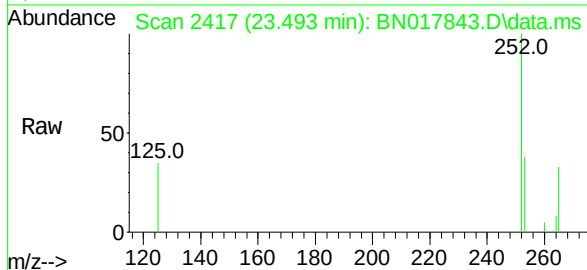
Tgt Ion:252 Resp: 4722

Ion Ratio Lower Upper

252 100

253 37.8 18.1 27.1#

125 35.2 7.0 10.4#



Abundance Scan 3332 (26.656 min): BN017764.D\data.ms (-335) (-)

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 26.686 min Scan# 3350

Delta R.T. 0.030 min

Lab File: BN017843.D

Acq: 09 Dec 2021 20:18

Tgt Ion:276 Resp: 3129

Ion Ratio Lower Upper

276 100

277 33.7 19.1 28.7#

138 27.9 13.2 19.8#

