

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
 Data File : BN029123.D
 Acq On : 08 Dec 2023 11:43
 Operator : MA/JU
 Sample : 05366-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P-14(10-15)

Quant Time: Dec 08 13:30:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 00:49:47 2023
 Response via : Initial Calibration

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

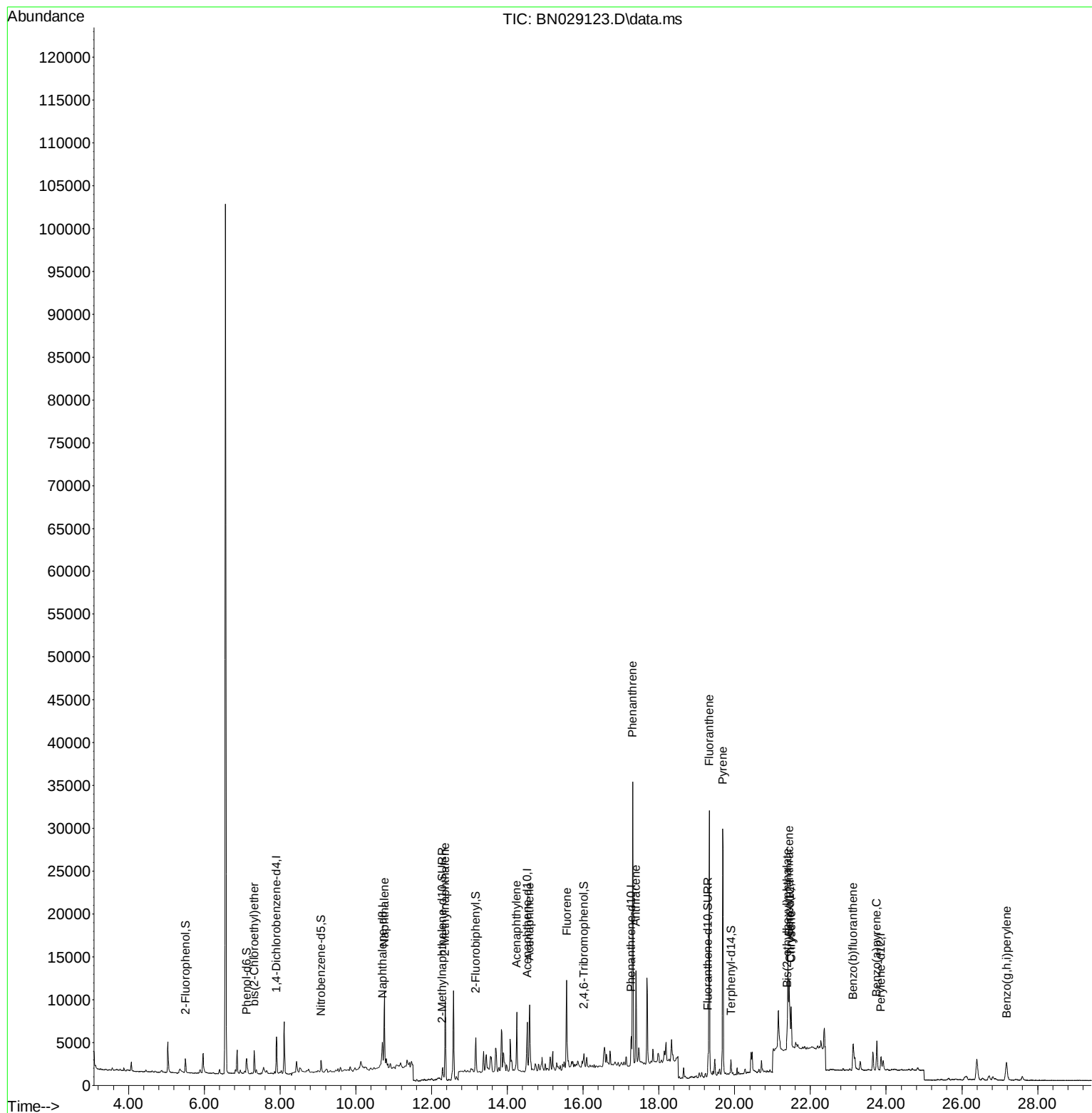
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	2039	0.400	ng	0.13
7) Naphthalene-d8	10.701	136	4084	0.400	ng	0.14
13) Acenaphthene-d10	14.524	164	2658	0.400	ng	0.13
19) Phenanthrene-d10	17.271	188	5248	0.400	ng	0.12
29) Chrysene-d12	21.454	240	2316	0.400	ng	# 0.11
35) Perylene-d12	23.863	264	2150	0.400	ng	# 0.19
System Monitoring Compounds						
4) 2-Fluorophenol	5.500	112	1238	0.268	ng	0.11
5) Phenol-d6	7.118	99	1583	0.287	ng	0.14
8) Nitrobenzene-d5	9.078	82	1160	0.235	ng	0.14
11) 2-Methylnaphthalene-d10	12.287	152	1922	0.224	ng	0.14
14) 2,4,6-Tribromophenol	16.017	330	568	0.193	ng	0.12
15) 2-Fluorobiphenyl	13.167	172	3275	0.238	ng	0.14
27) Fluoranthene-d10	19.297	212	3125	0.189	ng	0.11
31) Terphenyl-d14	19.901	244	1622	0.277	ng	0.11
Target Compounds						
						Qvalue
6) bis(2-Chloroethyl)ether	7.320	93	3735	0.957	ng	# 34
9) Naphthalene	10.754	128	10330	0.811	ng	99
12) 2-Methylnaphthalene	12.359	142	5714	0.552	ng	96
16) Acenaphthylene	14.246	152	4812	0.329	ng	# 90
17) Acenaphthene	14.589	154	3672	0.400	ng	94
18) Fluorene	15.570	166	7022	0.480	ng	# 97
25) Phenanthrene	17.308	178	31586	1.803	ng	99
26) Anthracene	17.395	178	11026	0.651	ng	98
28) Fluoranthene	19.329	202	26810	1.113	ng	# 97
30) Pyrene	19.687	202	26064	1.815	ng	98
32) Benzo(a)anthracene	21.436	228	5195	0.442	ng	92
33) Chrysene	21.490	228	4020	0.348	ng	94
34) Bis(2-ethylhexyl)phtha...	21.383	149	2884	0.398	ng	# 52
37) Benzo(b)fluoranthene	23.126	252	6072	0.526	ng	# 84
39) Benzo(a)pyrene	23.754	252	5398	0.565	ng	# 93
41) Benzo(g,h,i)perylene	27.178	276	5014	0.542	ng	# 92

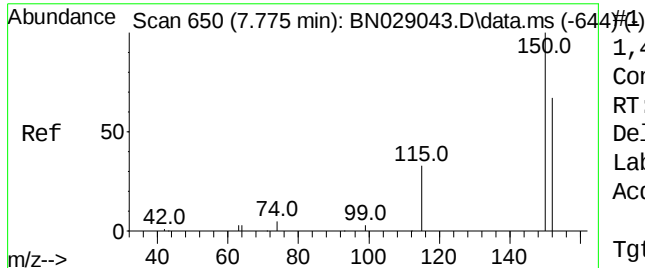
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
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Quant Time: Dec 08 13:30:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 00:49:47 2023
Response via : Initial Calibration





1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.905 min Scan#

Delta R.T. 0.130 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

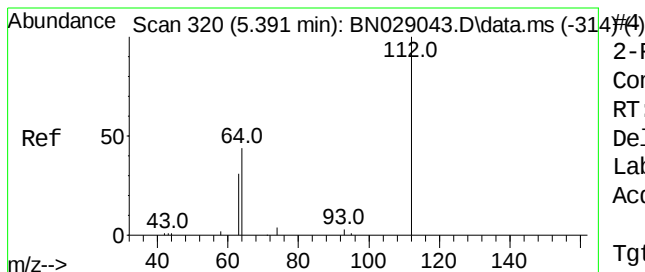
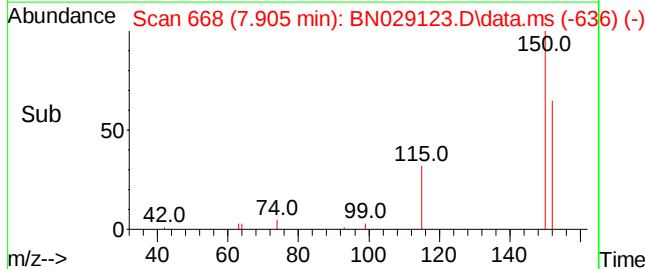
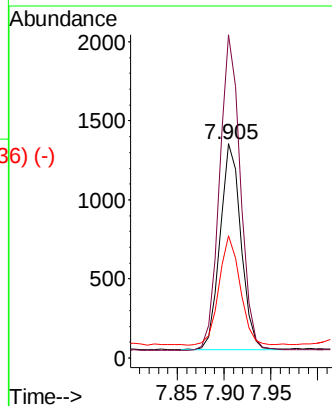
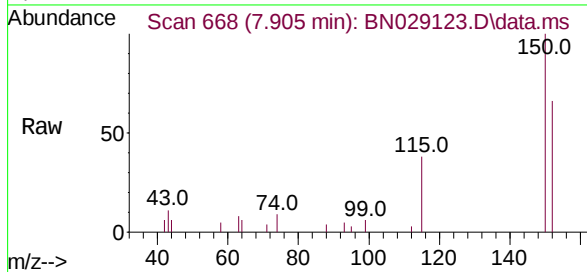
Tgt Ion:152 Resp: 2039

Ion Ratio Lower Upper

152 100

150 151.0 116.2 174.4

115 57.0 45.1 67.7



2-Fluorophenol

Concen: 0.268 ng

RT: 5.500 min Scan# 335

Delta R.T. 0.108 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

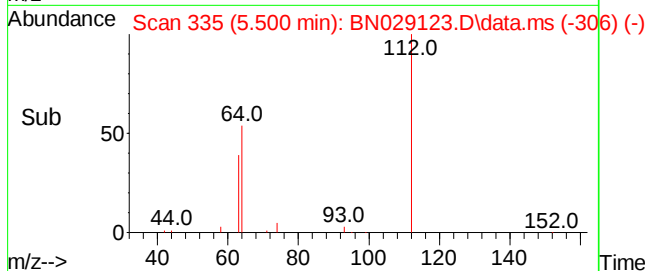
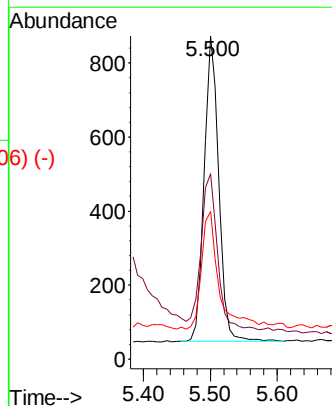
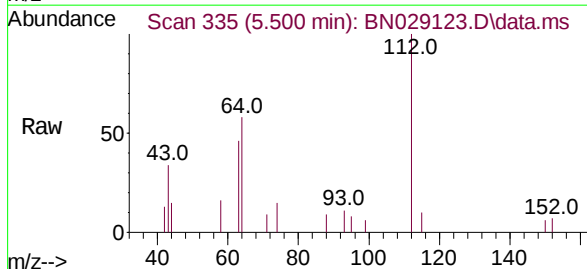
Tgt Ion:112 Resp: 1238

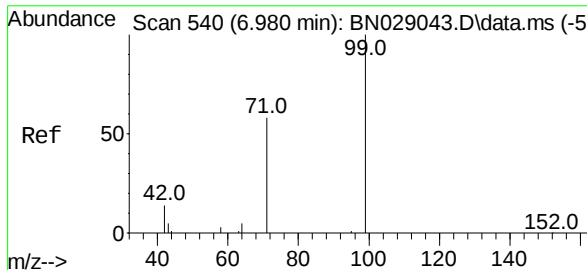
Ion Ratio Lower Upper

112 100

64 57.2 37.0 55.6#

63 47.7 29.0 43.6#





Phenol-d6

Concen: 0.287 ng

RT: 7.118 min Scan# 559

Delta R.T. 0.137 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

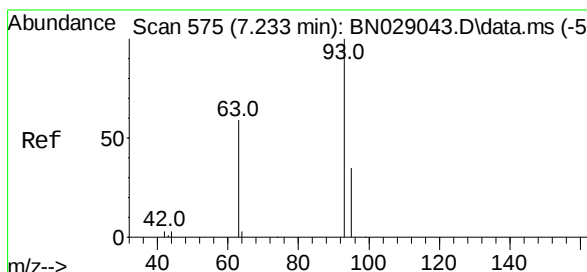
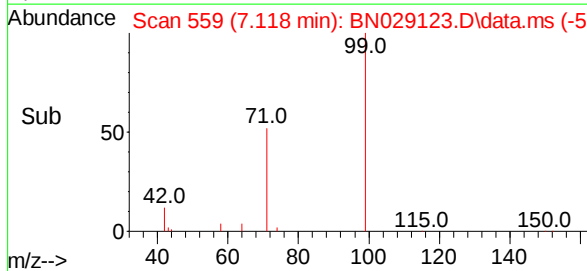
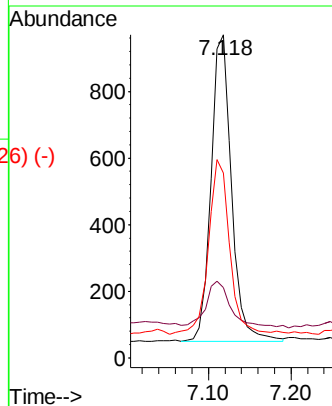
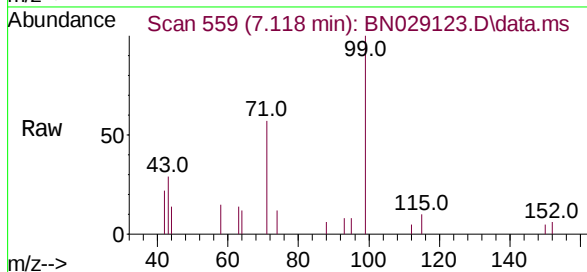
Tgt Ion: 99 Resp: 1583

Ion Ratio Lower Upper

99 100

42 18.8 13.4 20.2

71 59.2 47.8 71.6



bis(2-Chloroethyl)ether

Concen: 0.957 ng

RT: 7.320 min Scan# 587

Delta R.T. 0.087 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

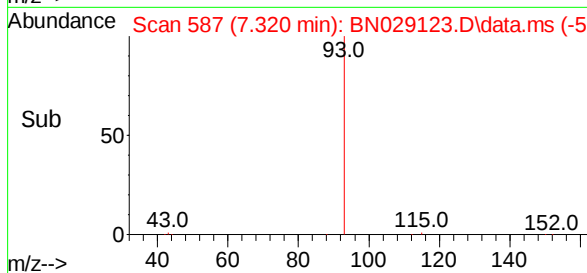
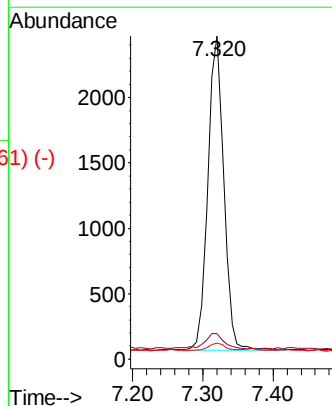
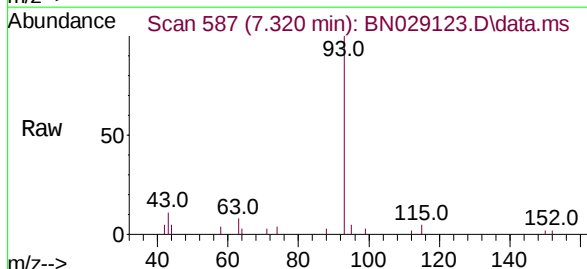
Tgt Ion: 93 Resp: 3735

Ion Ratio Lower Upper

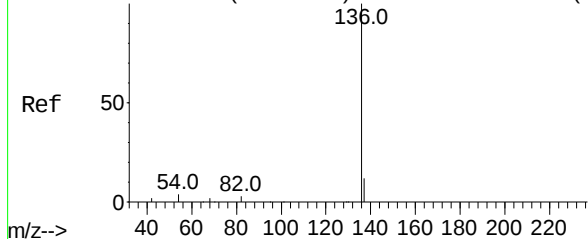
93 100

63 5.8 48.4 72.6#

95 2.8 28.1 42.1#



Abundance Scan 935 (10.562 min): BN029043.D\data.ms (-935) (-)



Naphthalene-d8

Concen: 0.400 ng

RT: 10.701 min Scan# 948

Delta R.T. 0.139 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

Tgt Ion:136 Resp: 4084

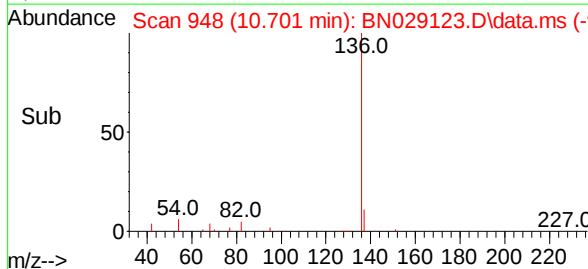
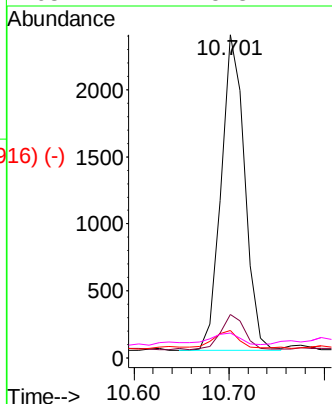
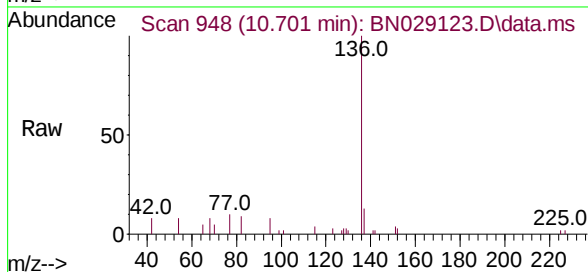
Ion Ratio Lower Upper

136 100

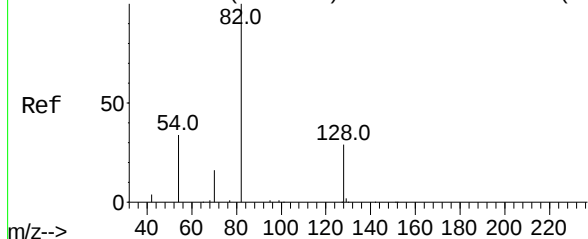
137 13.4 11.9 17.9

54 8.4 6.4 9.6

68 7.7 5.3 7.9



Abundance Scan 783 (8.939 min): BN029043.D\data.ms (-778) (-)



Nitrobenzene-d5

Concen: 0.235 ng

RT: 9.078 min Scan# 796

Delta R.T. 0.139 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

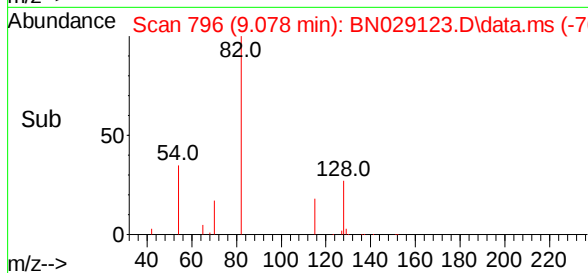
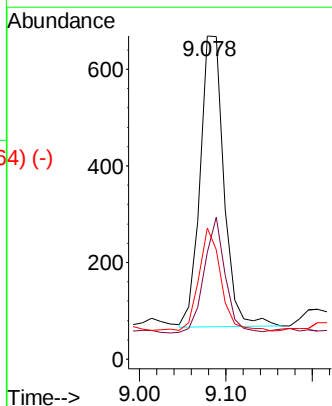
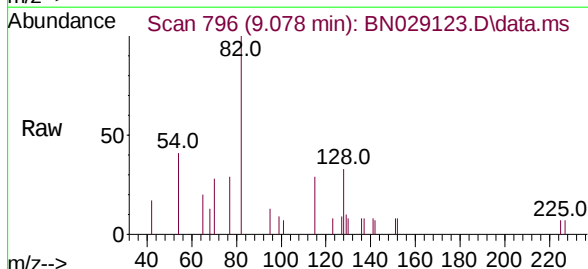
Tgt Ion: 82 Resp: 1160

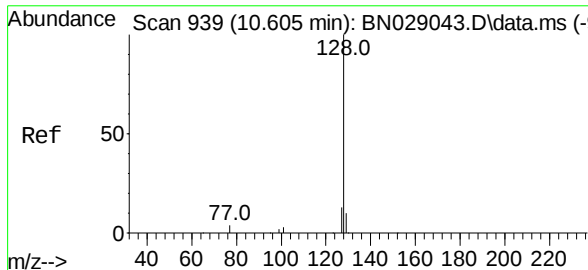
Ion Ratio Lower Upper

82 100

128 33.0 28.2 42.4

54 40.5 32.1 48.1





Naphthalene

Concen: 0.811 ng

RT: 10.754 min Scan# 953

Delta R.T. 0.150 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

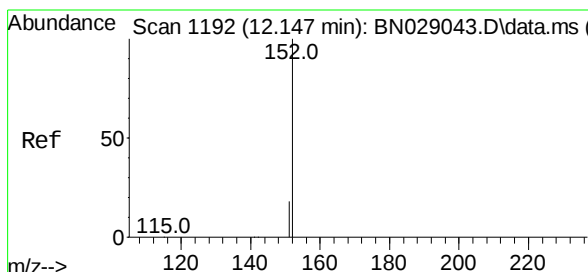
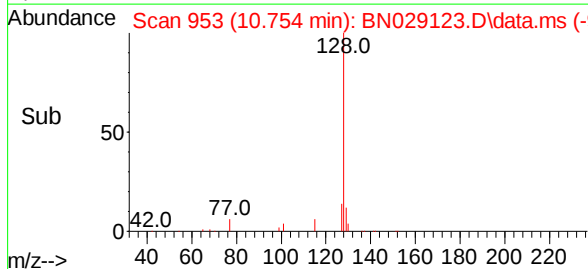
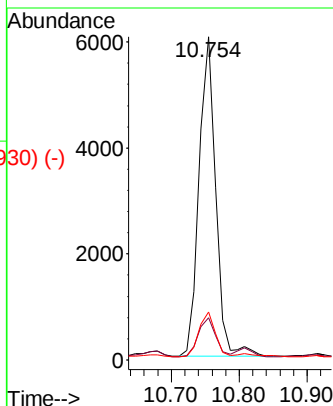
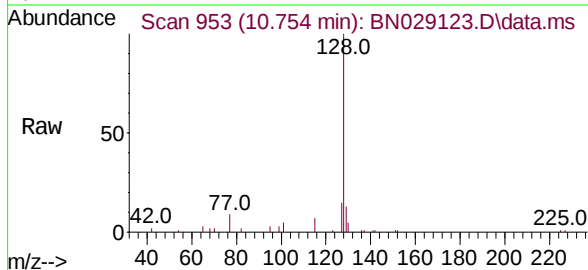
Tgt Ion:128 Resp: 10330

Ion Ratio Lower Upper

128 100

129 13.1 10.5 15.7

127 14.8 12.5 18.7



2-Methylnaphthalene-d10

Concen: 0.224 ng

RT: 12.287 min Scan# 1229

Delta R.T. 0.140 min

Lab File: BN029123.D

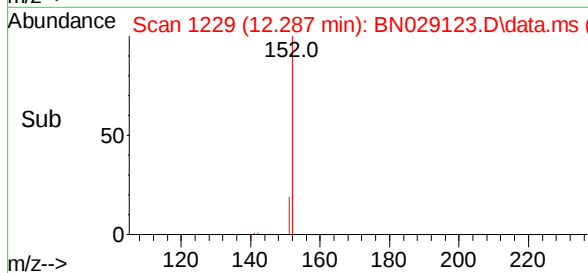
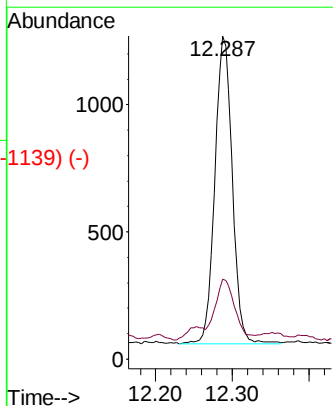
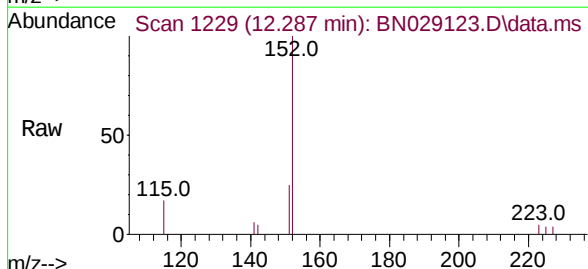
Acq: 08 Dec 2023 11:43

Tgt Ion:152 Resp: 1922

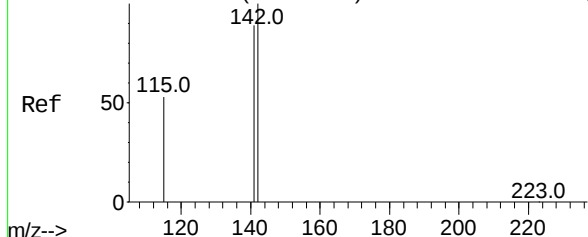
Ion Ratio Lower Upper

152 100

151 19.6 17.4 26.0



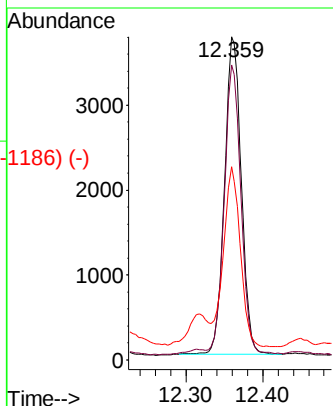
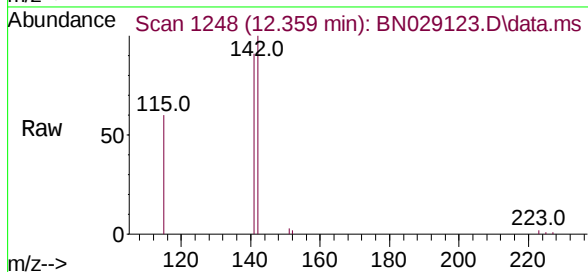
Abundance Scan 1212 (12.223 min): BN029043.D\data.ms (-1198) (-)



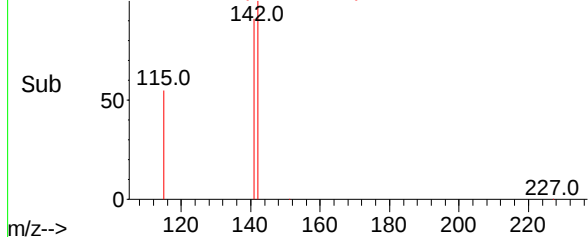
2-Methylnaphthalene
Concen: 0.552 ng
RT: 12.359 min Scan# 1198
Delta R.T. 0.136 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

Instrument :
BNA_N
ClientSampleId :
P-14(10-15)

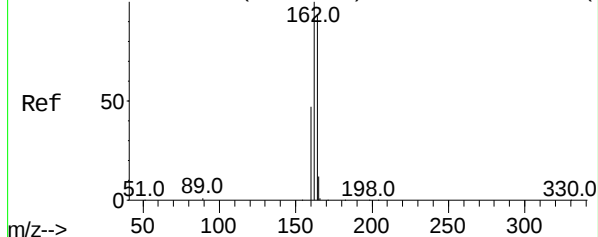
Tgt Ion:	142	Resp:	5714
Ion	Ratio	Lower	Upper
142	100		
141	91.3	71.1	106.7
115	59.8	44.6	66.8



Abundance Scan 1248 (12.359 min): BN029123.D\data.ms (-1186) (-)

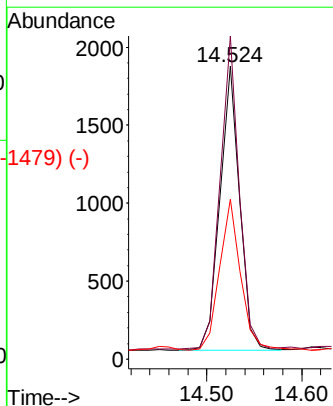
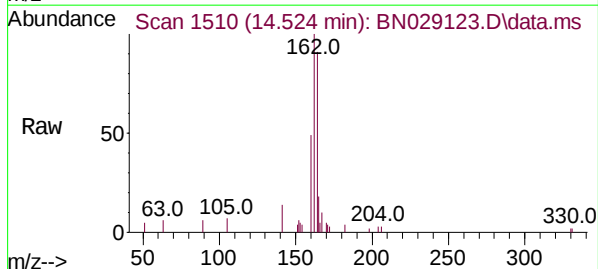


Abundance Scan 1498 (14.396 min): BN029043.D\data.ms (-1412) (-)

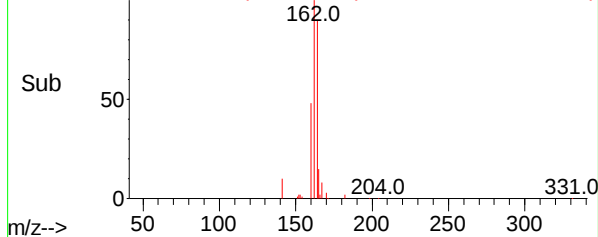


Acenaphthene-d10
Concen: 0.400 ng
RT: 14.524 min Scan# 1510
Delta R.T. 0.128 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

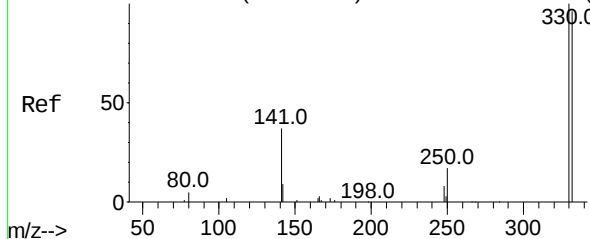
Tgt Ion:	164	Resp:	2658
Ion	Ratio	Lower	Upper
164	100		
162	110.3	85.0	127.6
160	54.5	41.3	61.9



Abundance Scan 1510 (14.524 min): BN029123.D\data.ms (-1479) (-)



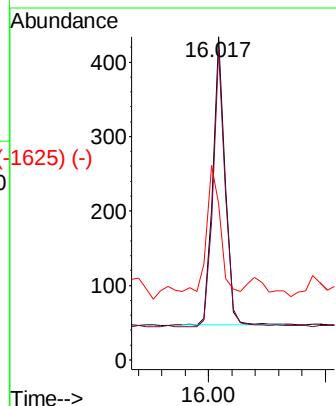
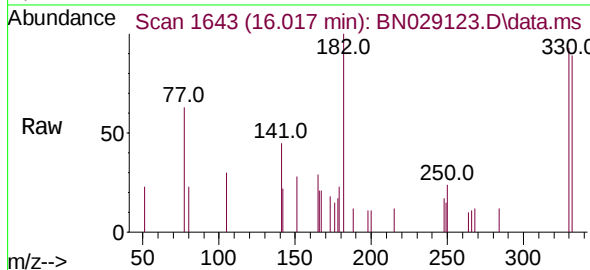
Abundance Scan 1633 (15.893 min): BN029043.D\data.ms (-1624) (-)



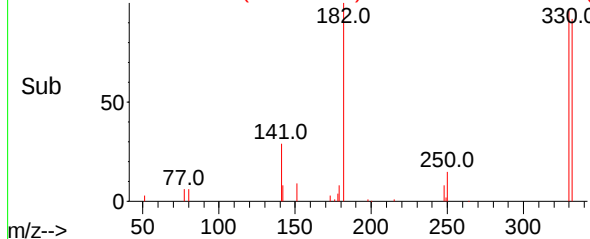
2,4,6-Tribromophenol
Concen: 0.193 ng
RT: 16.017 min Scan# 1629
Delta R.T. 0.124 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

Instrument :
BNA_N
ClientSampleId :
P-14(10-15)

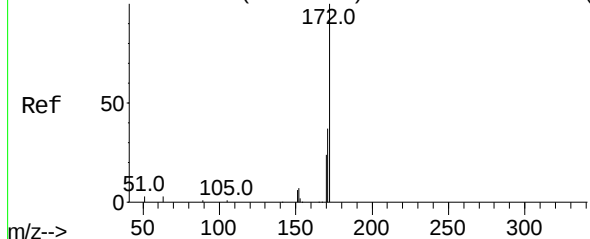
Tgt Ion:330 Resp: 568
Ion Ratio Lower Upper
330 100
332 96.3 78.8 118.2
141 47.9 28.7 43.1#



Abundance Scan 1643 (16.017 min): BN029123.D\data.ms (-1625) (-)

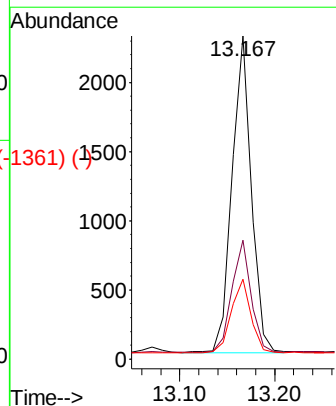
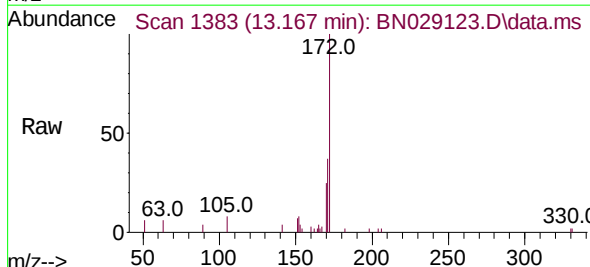


Abundance Scan 1370 (13.028 min): BN029043.D\data.ms (-1365) (-)

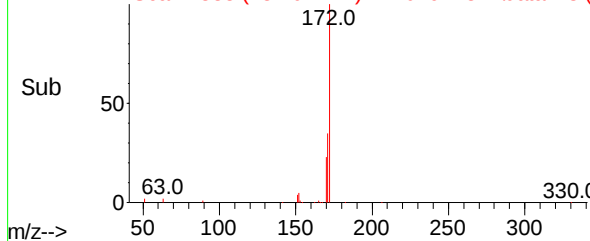


2-Fluorobiphenyl
Concen: 0.238 ng
RT: 13.167 min Scan# 1383
Delta R.T. 0.139 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

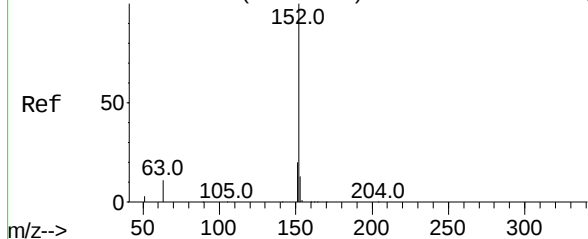
Tgt Ion:172 Resp: 3275
Ion Ratio Lower Upper
172 100
171 36.8 30.1 45.1
170 24.8 20.3 30.5



Abundance Scan 1383 (13.167 min): BN029123.D\data.ms (-1361) (-)



Abundance Scan 1472 (14.118 min): BN029043.D\data.ms (-1415) (-)



Acenaphthylene

Concen: 0.329 ng

RT: 14.246 min Scan# 1484

Delta R.T. 0.128 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

Tgt Ion:152 Resp: 4812

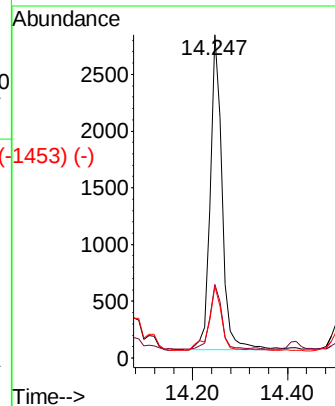
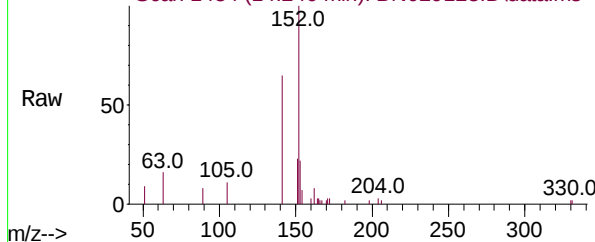
Ion Ratio Lower Upper

152 100

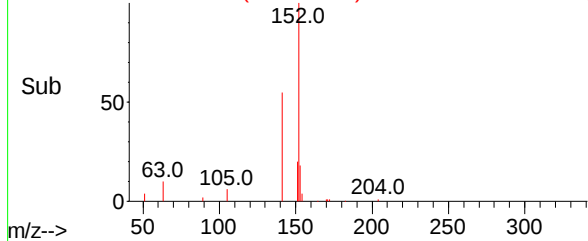
151 20.4 15.8 23.6

153 21.9 10.3 15.5#

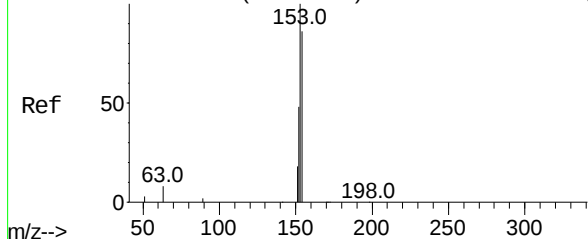
Abundance Scan 1484 (14.246 min): BN029123.D\data.ms



Abundance Scan 1484 (14.246 min): BN029123.D\data.ms (-1453) (-)



Abundance Scan 1504 (14.460 min): BN029043.D\data.ms (-1507) (-)



Acenaphthene

Concen: 0.400 ng

RT: 14.589 min Scan# 1516

Delta R.T. 0.128 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Tgt Ion:154 Resp: 3672

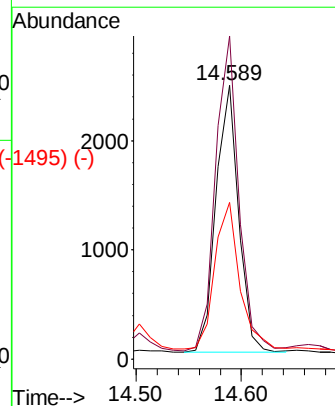
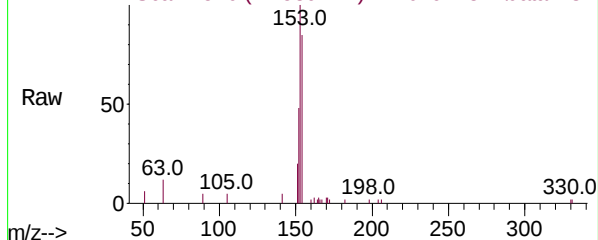
Ion Ratio Lower Upper

154 100

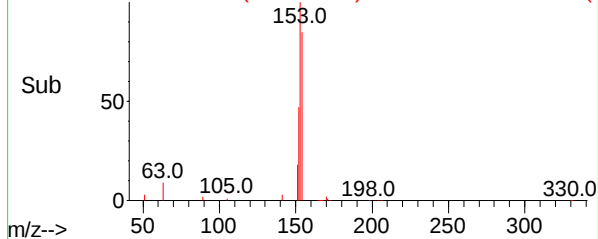
153 120.7 93.0 139.6

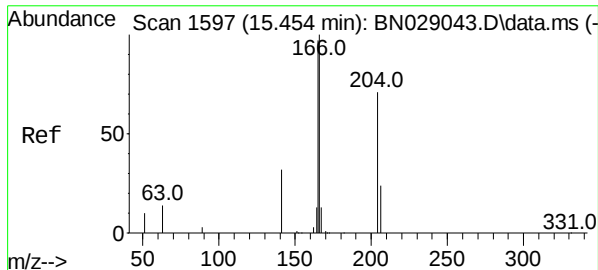
152 62.4 44.2 66.4

Abundance Scan 1516 (14.589 min): BN029123.D\data.ms



Abundance Scan 1516 (14.589 min): BN029123.D\data.ms (-1495) (-)

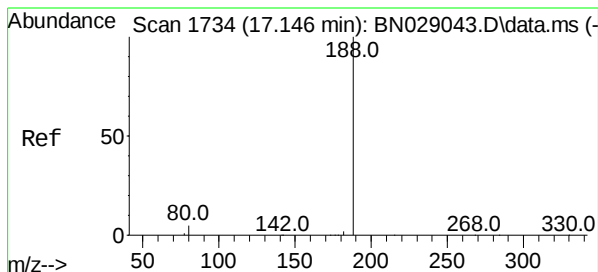
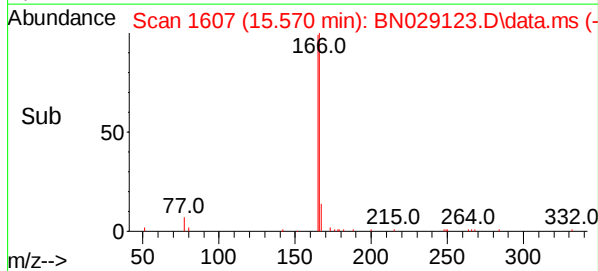
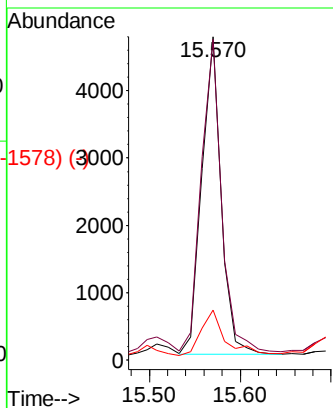
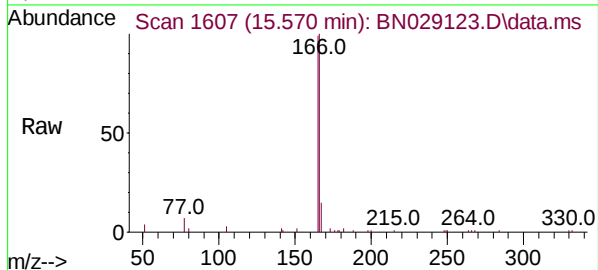




Fluorene
Concen: 0.480 ng
RT: 15.570 min Scan# 1518
Delta R.T. 0.116 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

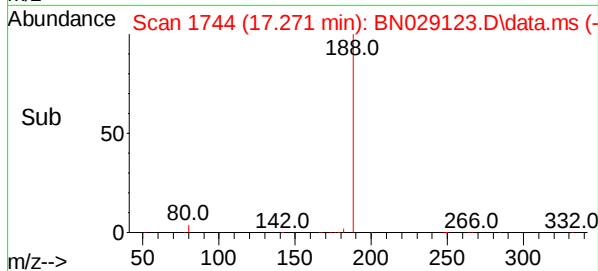
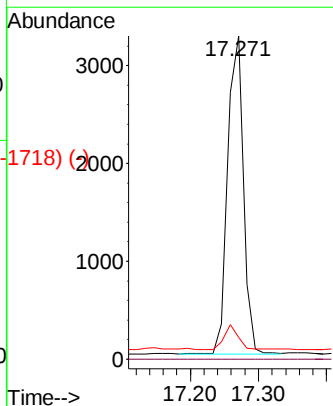
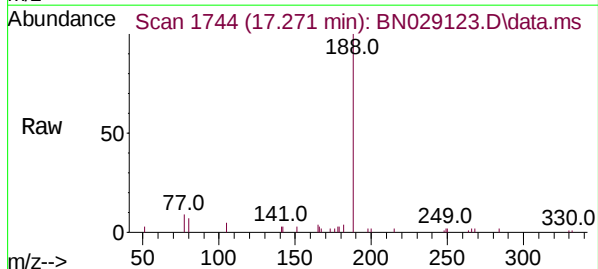
Instrument :
BNA_N
ClientSampleId :
P-14(10-15)

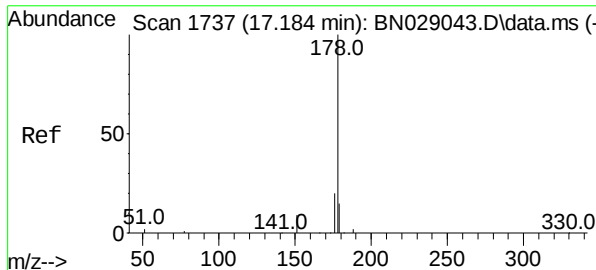
Tgt Ion:166 Resp: 7022
Ion Ratio Lower Upper
166 100
165 102.5 80.2 120.4
167 17.5 11.0 16.4#



Phenanthrene-d10
Concen: 0.400 ng
RT: 17.271 min Scan# 1744
Delta R.T. 0.124 min
Lab File: BN029123.D
Acq: 08 Dec 2023 11:43

Tgt Ion:188 Resp: 5248
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.8 5.4 8.0

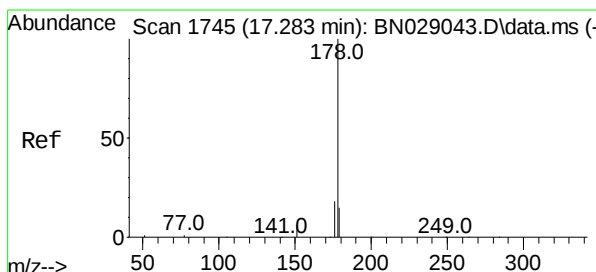
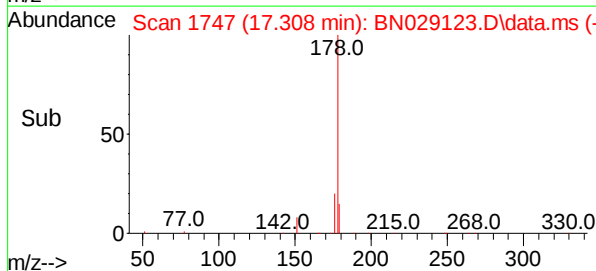
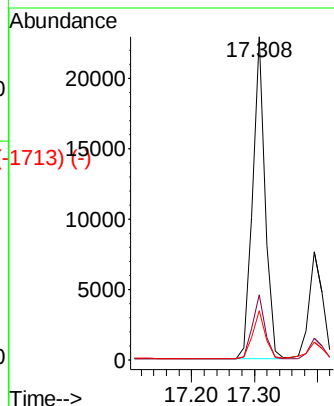
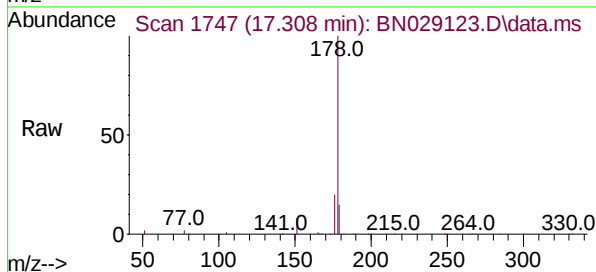




Phenanthrene
 Concen: 1.803 ng
 RT: 17.308 min Scan# 1747
 Delta R.T. 0.124 min
 Lab File: BN029123.D
 Acq: 08 Dec 2023 11:43

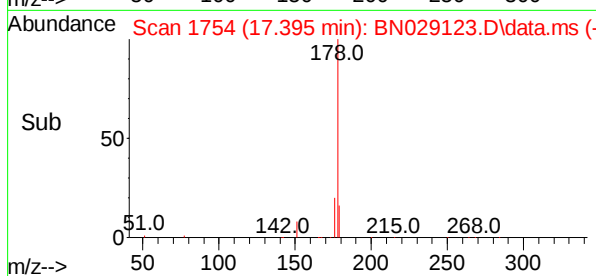
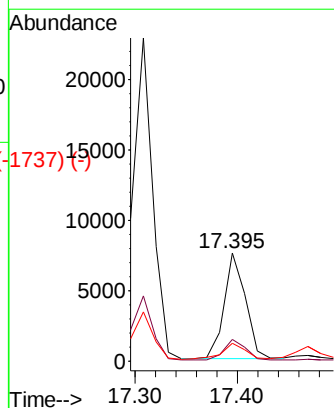
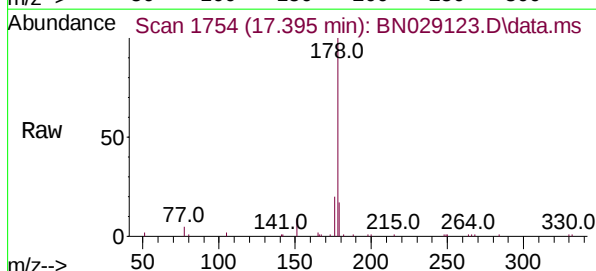
Instrument :
 BNA_N
 ClientSampleId :
 P-14(10-15)

Tgt Ion:	178	Resp:	31586
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.6	23.4
179	15.1	12.6	18.8

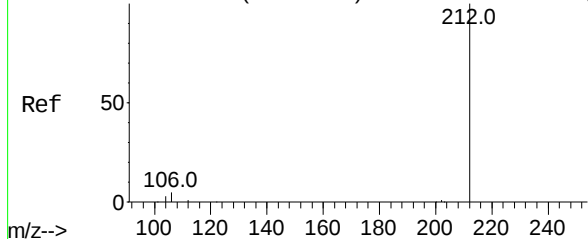


Anthracene
 Concen: 0.651 ng
 RT: 17.395 min Scan# 1754
 Delta R.T. 0.112 min
 Lab File: BN029123.D
 Acq: 08 Dec 2023 11:43

Tgt Ion:	178	Resp:	11026
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.0	22.4
179	17.1	12.6	19.0



Abundance Scan 1989 (19.185 min): BN029043.D\data.ms (-1925) (-)



Fluoranthene-d10

Concen: 0.189 ng

RT: 19.297 min Scan# 1925

Delta R.T. 0.112 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

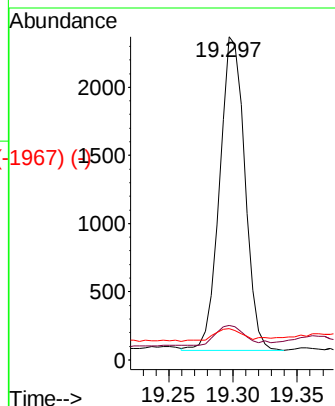
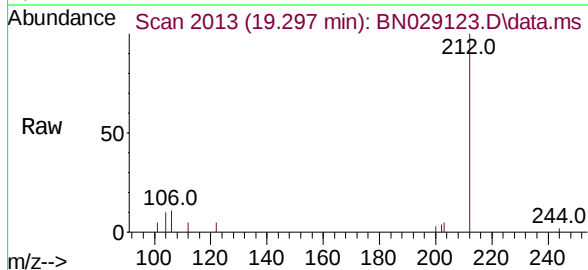
Tgt Ion:212 Resp: 3125

Ion Ratio Lower Upper

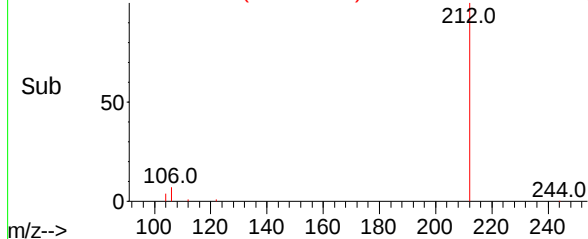
212 100

106 7.2 3.9 5.9#

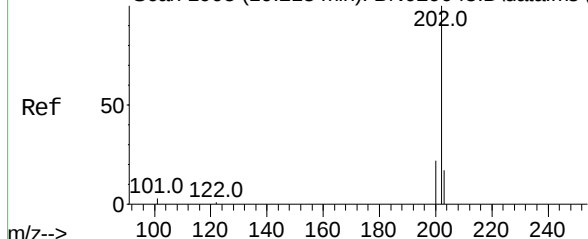
104 4.7 2.6 3.8#



Abundance Scan 2013 (19.297 min): BN029123.D\data.ms (-1967) (-)



Abundance Scan 1995 (19.213 min): BN029043.D\data.ms (-1925) (-)



Fluoranthene

Concen: 1.113 ng

RT: 19.329 min Scan# 2020

Delta R.T. 0.116 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

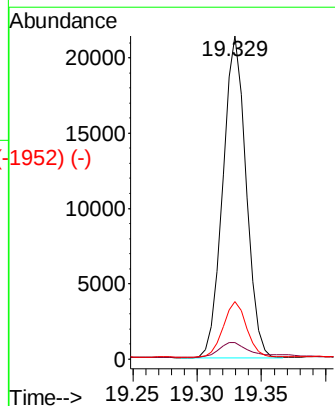
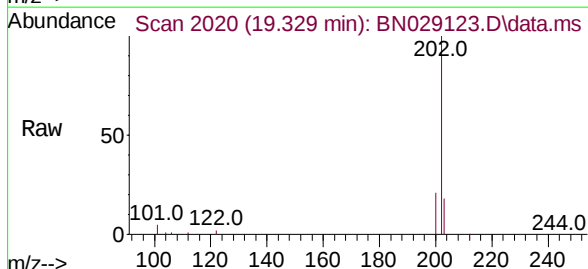
Tgt Ion:202 Resp: 26810

Ion Ratio Lower Upper

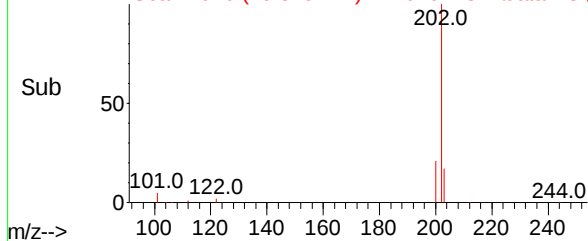
202 100

101 7.1 3.0 4.6#

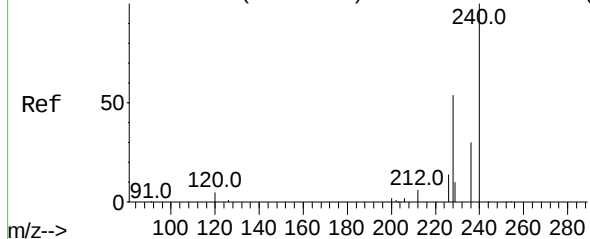
203 17.6 13.8 20.6



Abundance Scan 2020 (19.329 min): BN029123.D\data.ms (-1952) (-)



Abundance Scan 2419 (21.347 min): BN029043.D\data.ms (-2419) (-)



Chrysene-d12

Concen: 0.400 ng

RT: 21.454 min Scan# 2419

Delta R.T. 0.108 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

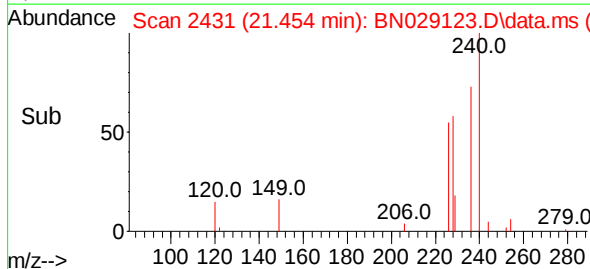
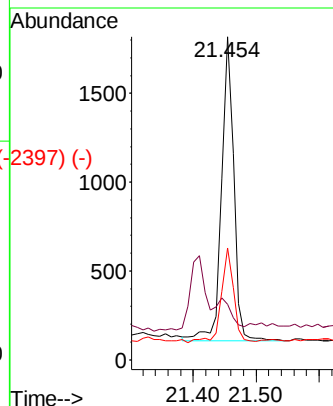
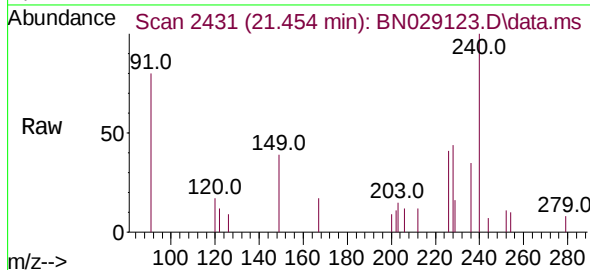
Tgt Ion:240 Resp: 2316

Ion Ratio Lower Upper

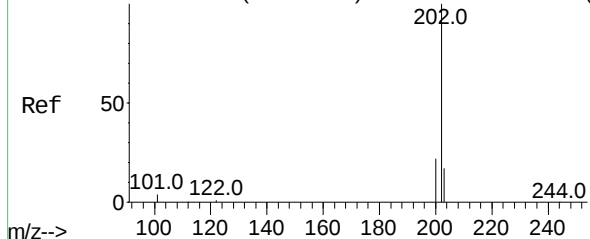
240 100

120 17.2 6.7 10.1#

236 34.5 25.7 38.5



Abundance Scan 2074 (19.580 min): BN029043.D\data.ms (-2074) (-)



Pyrene

Concen: 1.815 ng

RT: 19.687 min Scan# 2097

Delta R.T. 0.107 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

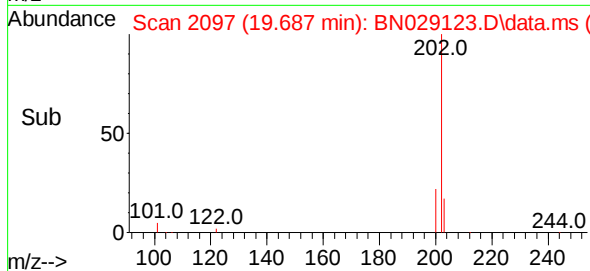
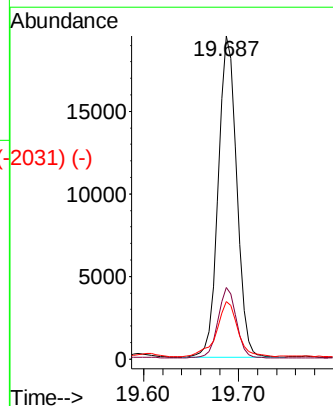
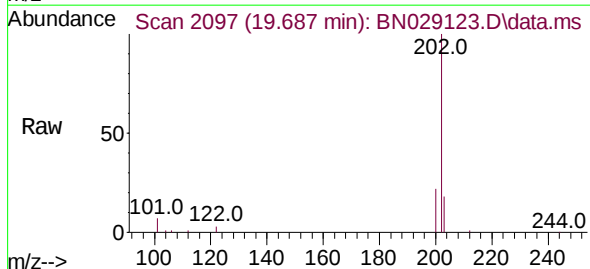
Tgt Ion:202 Resp: 26064

Ion Ratio Lower Upper

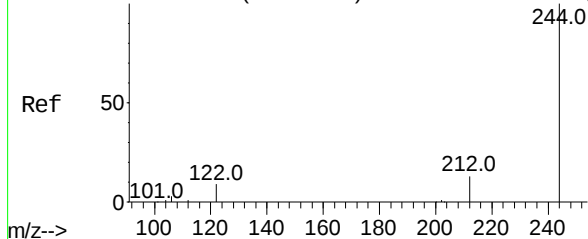
202 100

200 21.8 17.0 25.6

203 19.4 14.2 21.4



Abundance Scan 2120 (19.794 min): BN029043.D\data.ms (-2180) (-)



Terphenyl-d14

Concen: 0.277 ng

RT: 19.901 min Scan# 2180

Delta R.T. 0.107 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

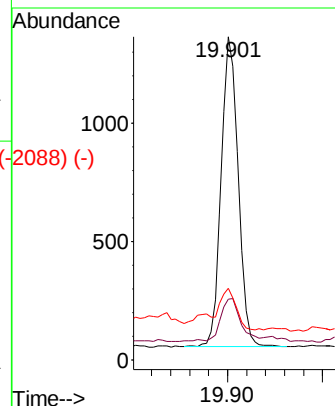
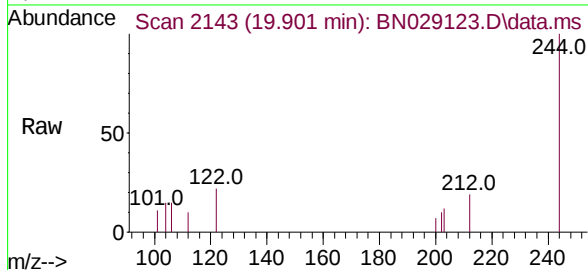
Tgt Ion:244 Resp: 1622

Ion Ratio Lower Upper

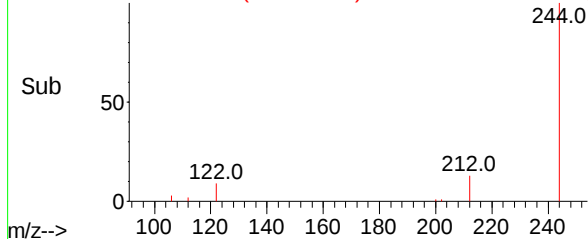
244 100

212 18.8 11.6 17.4#

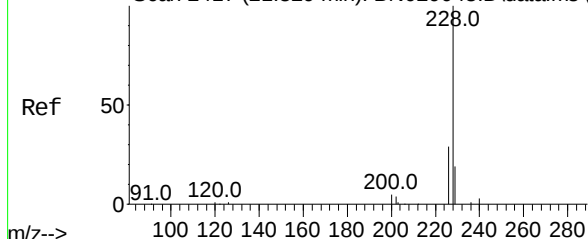
122 22.1 8.2 12.4#



Abundance Scan 2143 (19.901 min): BN029123.D\data.ms (-2088) (-)



Abundance Scan 2417 (21.329 min): BN029043.D\data.ms (-2432) (-)



Benzo(a)anthracene

Concen: 0.442 ng

RT: 21.436 min Scan# 2429

Delta R.T. 0.108 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

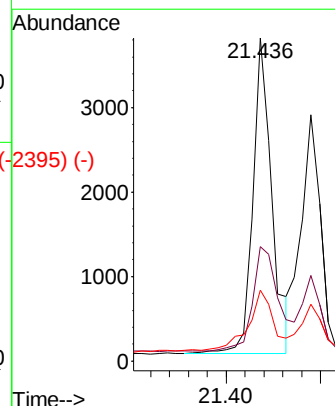
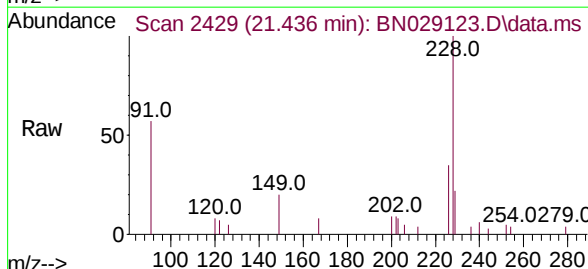
Tgt Ion:228 Resp: 5195

Ion Ratio Lower Upper

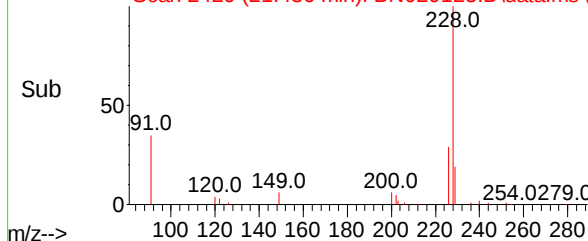
228 100

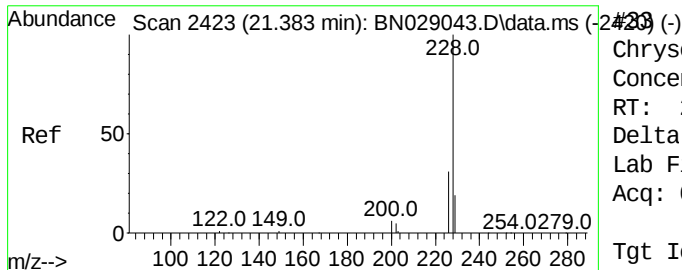
226 35.4 23.8 35.6

229 22.0 16.0 24.0



Abundance Scan 2429 (21.436 min): BN029123.D\data.ms (-2395) (-)





#23 (-)

Chrysene

Concen: 0.348 ng

RT: 21.490 min Scan# 1

Delta R.T. 0.108 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

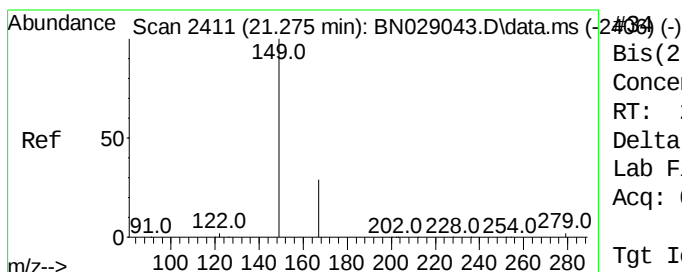
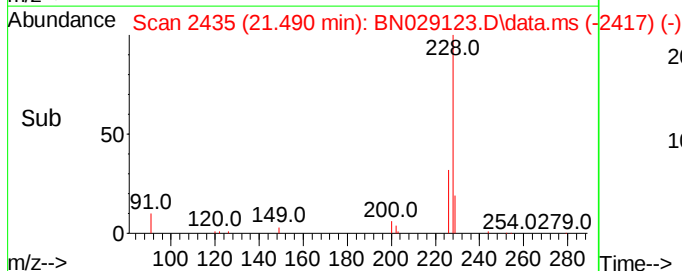
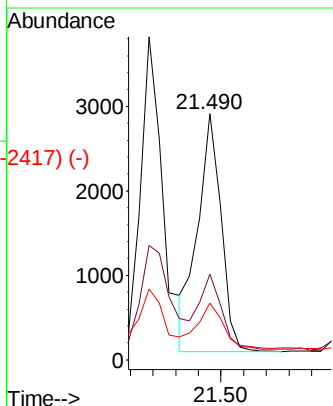
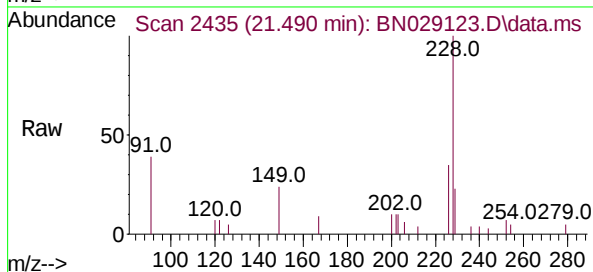
Tgt Ion:228 Resp: 4020

Ion Ratio Lower Upper

228 100

226 34.9 25.4 38.0

229 23.0 16.0 24.0



#23 (-)

Bis(2-ethylhexyl)phthalate

Concen: 0.398 ng

RT: 21.383 min Scan# 2423

Delta R.T. 0.108 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

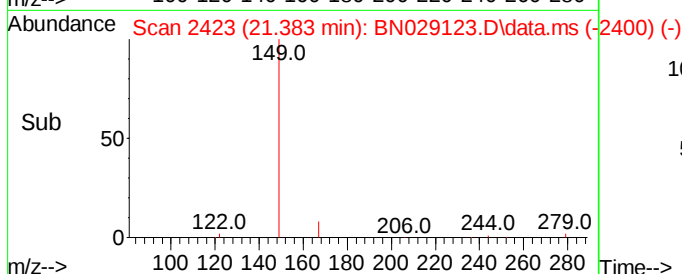
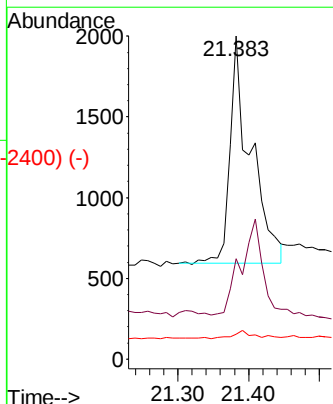
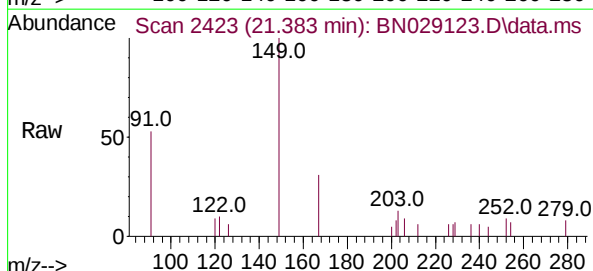
Tgt Ion:149 Resp: 2884

Ion Ratio Lower Upper

149 100

167 0.0 23.4 35.2#

279 3.3 3.4 5.2#



Abundance Scan 2970 (23.669 min): BN029043.D\data.ms (-2935) (-)

Perylene-d12

Concen: 0.400 ng

RT: 23.863 min Scan# 2935

Delta R.T. 0.193 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

Tgt Ion:264 Resp: 2150

Ion Ratio Lower Upper

264 100

260 32.1 23.9 35.9

265 89.3 52.7 79.1#

Abundance Scan 3036 (23.863 min): BN029123.D\data.ms

Ref 50

264.0

125.0

Raw 50

m/z-->

120 140 160 180 200 220 240 260

Abundance Scan 3036 (23.863 min): BN029123.D\data.ms (-2919) (-)

Sub 50

264.0

125.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

23.863

1000

800

600

400

200

0

Time-->

23.80 23.90

Abundance Scan 2729 (22.965 min): BN029043.D\data.ms (-2787) (-)

Benzo(b)fluoranthene

Concen: 0.526 ng

RT: 23.126 min Scan# 2784

Delta R.T. 0.161 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Tgt Ion:252 Resp: 6072

Ion Ratio Lower Upper

252 100

253 37.2 23.0 34.6#

125 12.0 5.4 8.0#

Abundance Scan 2784 (23.126 min): BN029123.D\data.ms

Ref 50

252.0

125.0

Raw 50

m/z-->

120 140 160 180 200 220 240 260

Abundance Scan 2784 (23.126 min): BN029123.D\data.ms (-2661) (-)

Sub 50

252.0

125.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

23.126

2500

2000

1500

1000

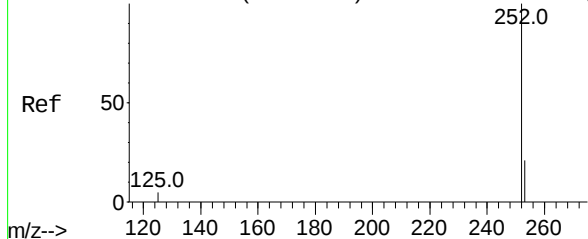
500

0

Time-->

23.05 23.10 23.15

Abundance Scan 2934 (23.564 min): BN029043.D\data.ms (-2934) (-)



Benzo(a)pyrene

Concen: 0.565 ng

RT: 23.754 min Scan# 1

Delta R.T. 0.190 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

Instrument :

BNA_N

ClientSampleId :

P-14(10-15)

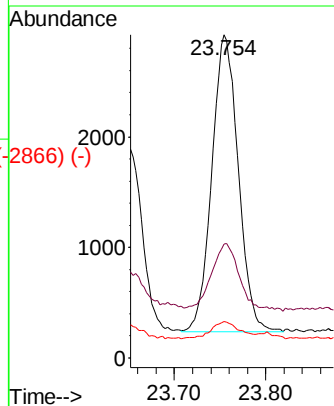
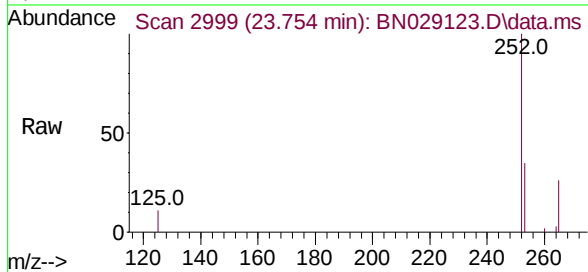
Tgt Ion:252 Resp: 5398

Ion Ratio Lower Upper

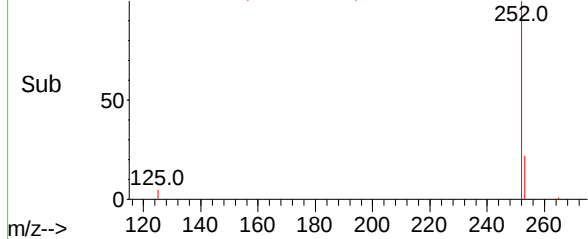
252 100

253 35.3 25.3 37.9

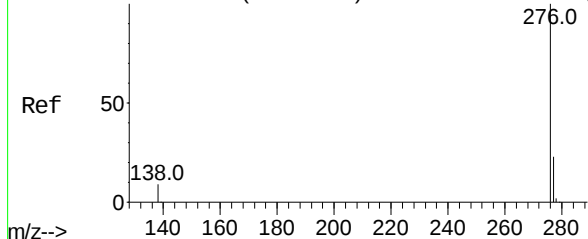
125 11.3 6.5 9.7#



Abundance Scan 2999 (23.754 min): BN029123.D\data.ms (-2866) (-)



Abundance Scan 4030 (26.769 min): BN029043.D\data.ms (-4030) (-)



Benzo(g,h,i)perylene

Concen: 0.542 ng

RT: 27.178 min Scan# 4170

Delta R.T. 0.409 min

Lab File: BN029123.D

Acq: 08 Dec 2023 11:43

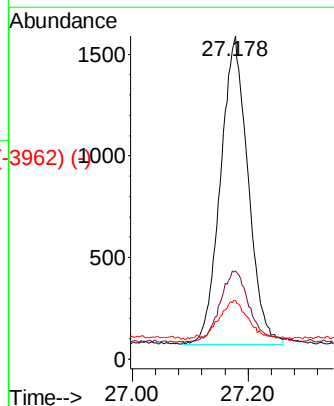
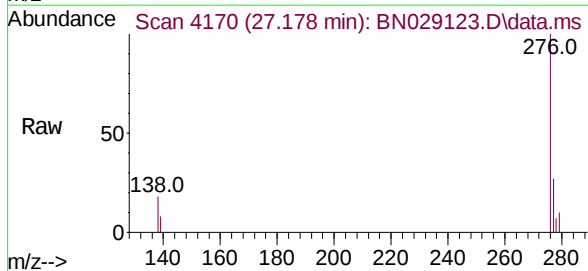
Tgt Ion:276 Resp: 5014

Ion Ratio Lower Upper

276 100

277 27.2 20.3 30.5

138 18.1 9.2 13.8#



Abundance Scan 4170 (27.178 min): BN029123.D\data.ms (-3962) (-)

