

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN083023\
 Data File : BN027309.D
 Acq On : 31 Aug 2023 14:29
 Operator : MA/JU
 Sample : 04207-04
 Misc :
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 31 18:12:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 05:37:30 2023
 Response via : Initial Calibration

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

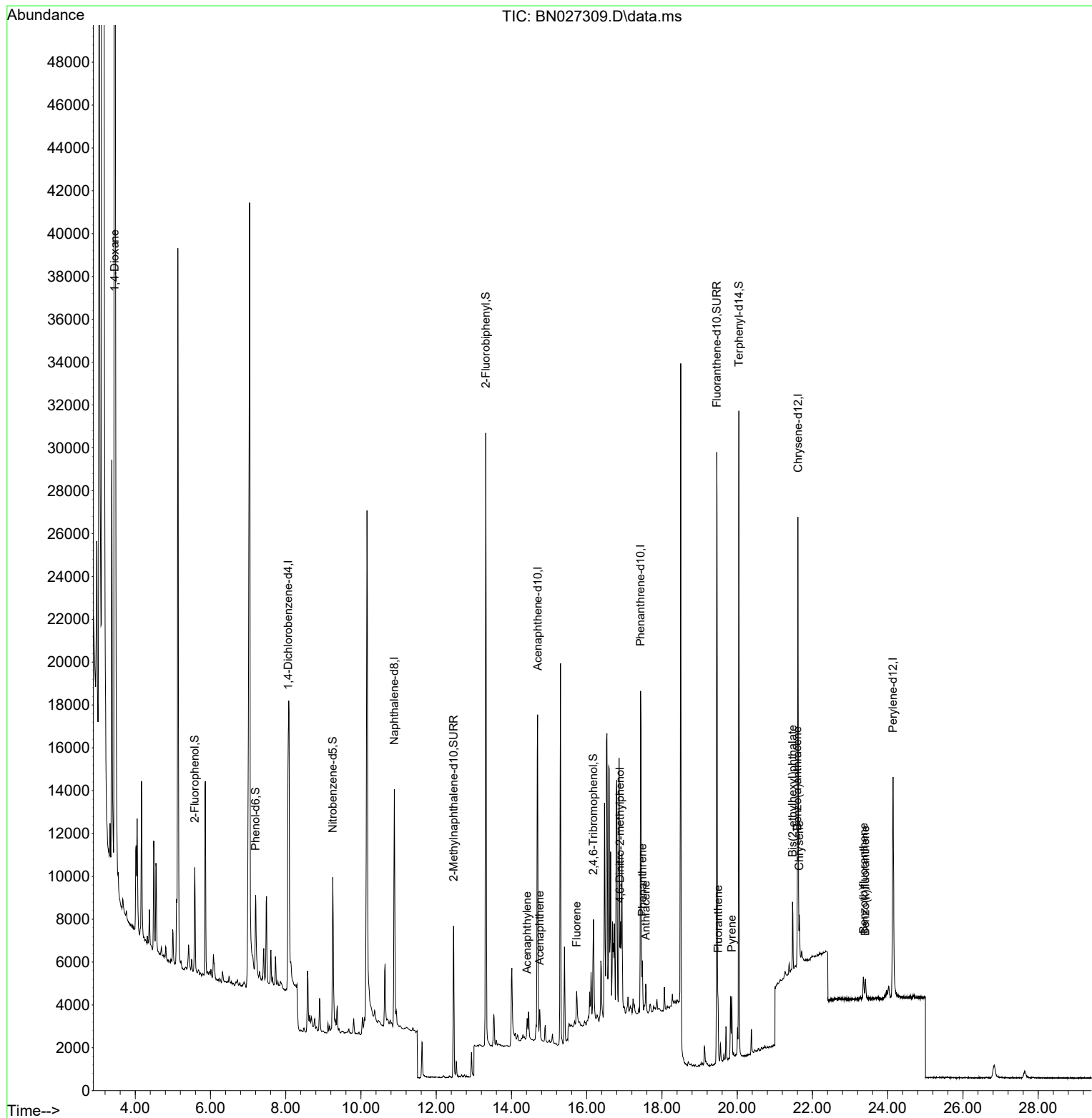
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.066	152	5145	0.400	ng	0.00
7) Naphthalene-d8	10.885	136	15329	0.400	ng	-0.01
13) Acenaphthene-d10	14.694	164	9658	0.400	ng	0.00
19) Phenanthrene-d10	17.430	188	23154	0.400	ng	-0.01
29) Chrysene-d12	21.614	240	18874	0.400	ng	0.00
35) Perylene-d12	24.142	264	16750	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.582	112	3992	0.298	ng	0.00
5) Phenol-d6	7.199	99	3488	0.214	ng	0.00
8) Nitrobenzene-d5	9.251	82	5932	0.531	ng	-0.01
11) 2-Methylnaphthalene-d10	12.460	152	9642	0.428	ng	-0.01
14) 2,4,6-Tribromophenol	16.177	330	2746	0.768	ng	-0.01
15) 2-Fluorobiphenyl	13.315	172	25428	0.692	ng	-0.01
27) Fluoranthene-d10	19.458	212	30440	0.529	ng	0.00
31) Terphenyl-d14	20.043	244	27706	0.731	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.451	88	153300	24.407	ng	97
16) Acenaphthylene	14.416	152	1049	0.024	ng	# 60
17) Acenaphthene	14.747	154	640	0.022	ng	88
18) Fluorene	15.730	166	1350	0.035	ng	89
20) 4,6-Dinitro-2-methylph...	16.884	198	34	0.103	ng	# 1
25) Phenanthrene	17.480	178	2367	0.035	ng	96
26) Anthracene	17.567	178	1591	0.028	ng	99
28) Fluoranthene	19.490	202	2385	0.030	ng	98
30) Pyrene	19.857	202	2549	0.034	ng	97
32) Benzo(a)anthracene	21.596	228	1717	0.027	ng	# 90
33) Chrysene	21.650	228	1805	0.025	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.471	149	3177	0.102	ng	99
37) Benzo(b)fluoranthene	23.355	252	1481	0.023	ng	# 11
38) Benzo(k)fluoranthene	23.405	252	1346	0.020	ng	# 7

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN083023\
Data File : BN027309.D
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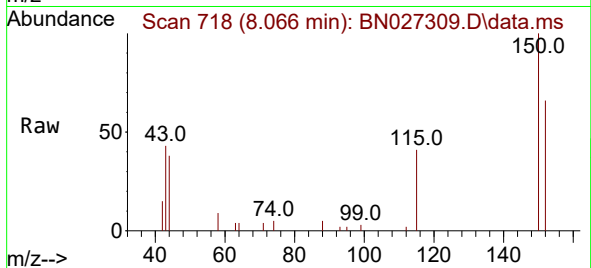
Quant Time: Aug 31 18:12:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 29 05:37:30 2023
Response via : Initial Calibration



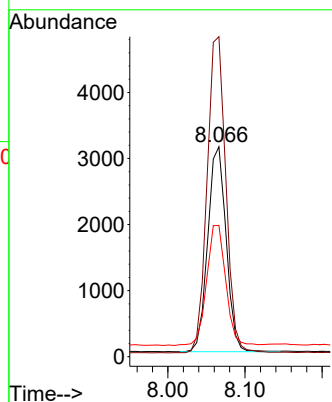
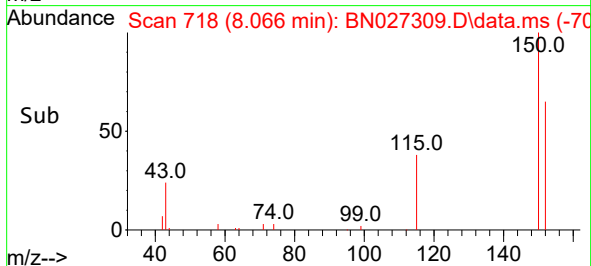


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.066 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: BN027309.D
 Acq: 31 Aug 2023 14:29

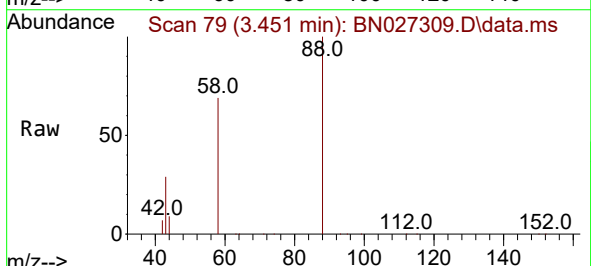
Instrument :
 BNA_N
 ClientSampleId :



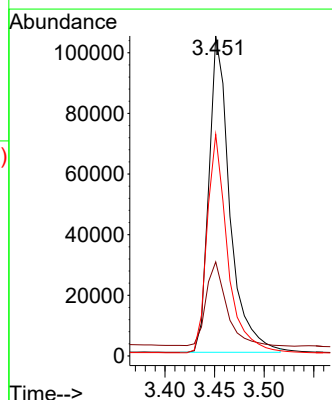
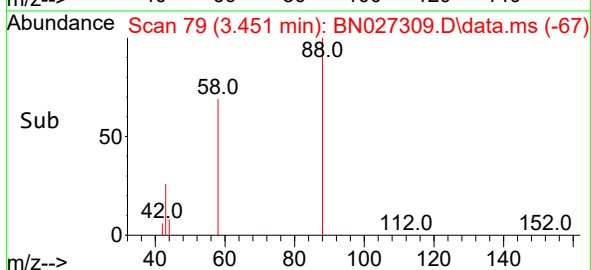
Tgt Ion:152 Resp: 5145
 Ion Ratio Lower Upper
 152 100
 150 152.4 122.7 184.1
 115 62.5 48.6 73.0

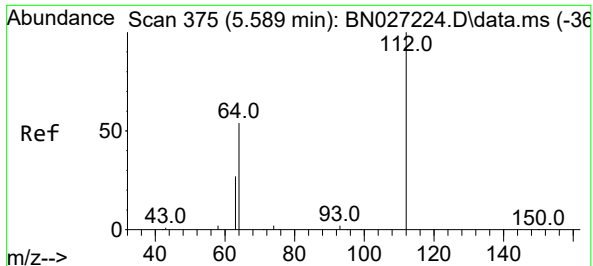


#2
 1,4-Dioxane
 Concen: 24.407 ng
 RT: 3.451 min Scan# 79
 Delta R.T. -0.014 min
 Lab File: BN027309.D
 Acq: 31 Aug 2023 14:29



Tgt Ion: 88 Resp: 153300
 Ion Ratio Lower Upper
 88 100
 43 25.8 19.1 28.7
 58 67.3 52.2 78.2

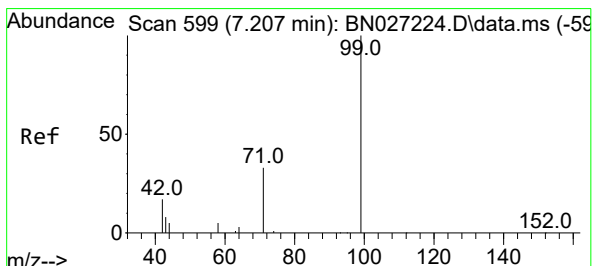
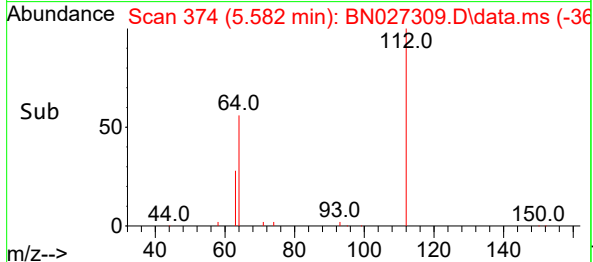
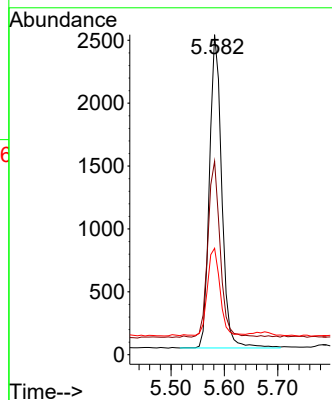
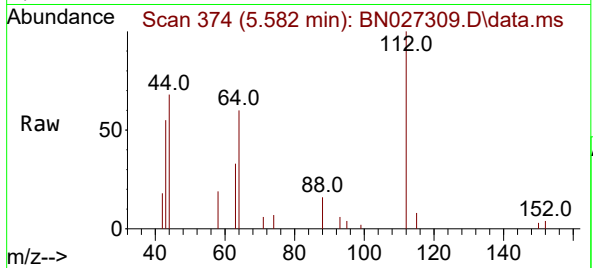




#4
2-Fluorophenol
Concen: 0.298 ng
RT: 5.582 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

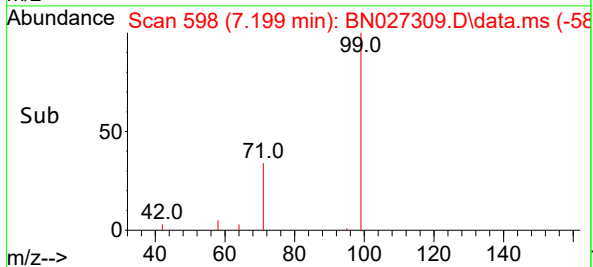
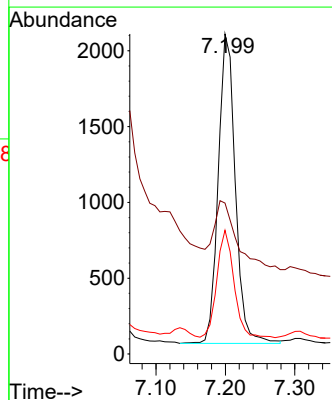
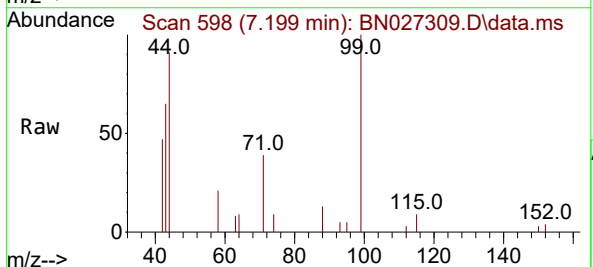
Instrument :
BNA_N
ClientSampleId :

Tgt Ion:112 Resp: 3992
Ion Ratio Lower Upper
112 100
64 56.0 44.4 66.6
63 28.0 23.1 34.7



#5
Phenol-d6
Concen: 0.214 ng
RT: 7.199 min Scan# 598
Delta R.T. -0.007 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

Tgt Ion: 99 Resp: 3488
Ion Ratio Lower Upper
99 100
42 29.9 14.5 21.7#
71 34.5 25.8 38.6





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.885 min Scan# 994

Delta R.T. -0.011 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:136 Resp: 15329

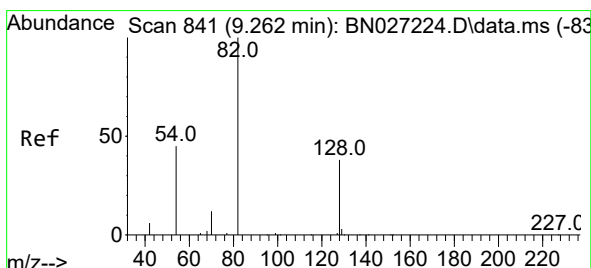
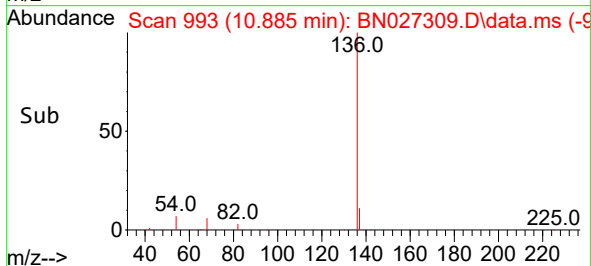
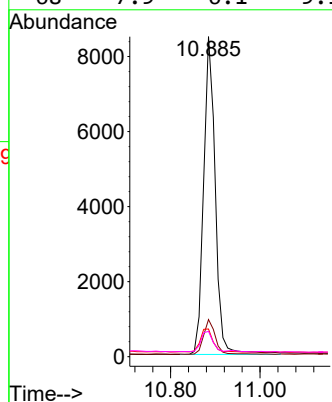
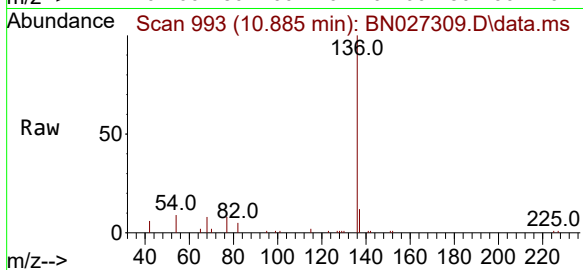
Ion Ratio Lower Upper

136 100

137 11.6 9.3 13.9

54 8.7 6.7 10.1

68 7.9 6.1 9.1



#8

Nitrobenzene-d5

Concen: 0.531 ng

RT: 9.251 min Scan# 840

Delta R.T. -0.011 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

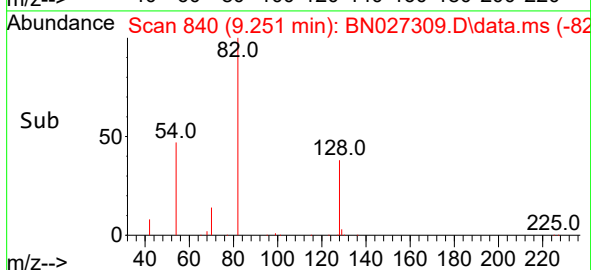
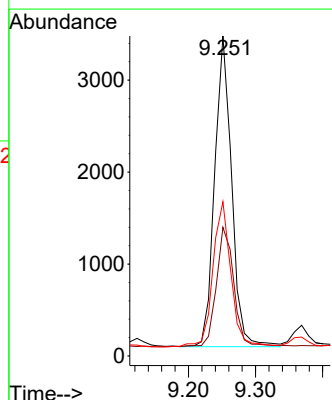
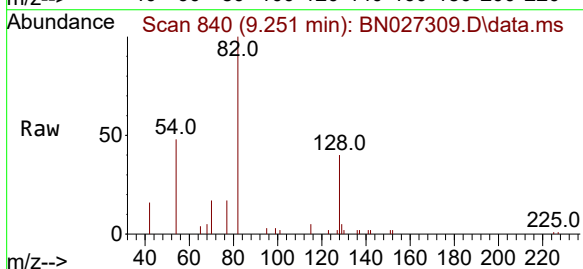
Tgt Ion: 82 Resp: 5932

Ion Ratio Lower Upper

82 100

128 40.2 33.4 50.0

54 48.2 37.7 56.5





#11

2-Methylnaphthalene-d10

Concen: 0.428 ng

RT: 12.460 min Scan# 11

Delta R.T. -0.011 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

Instrument :

BNA_N

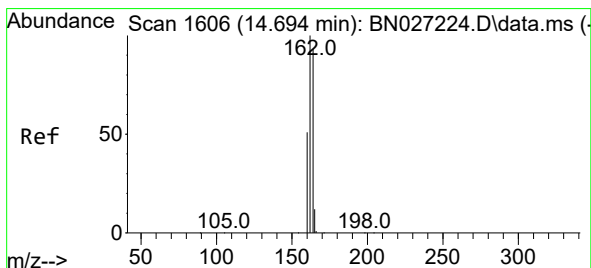
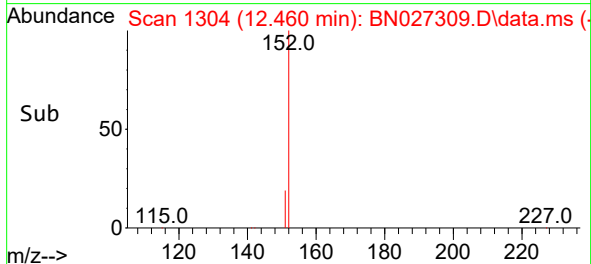
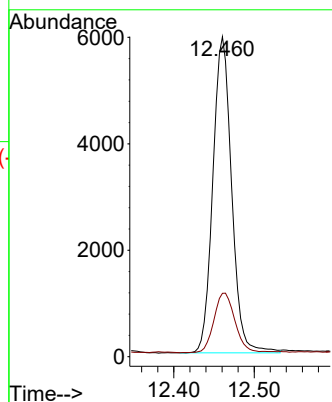
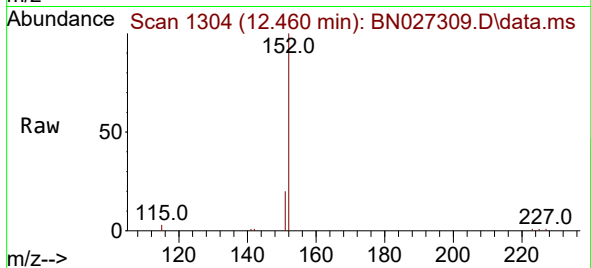
ClientSampleId :

Tgt Ion:152 Resp: 9642

Ion Ratio Lower Upper

152 100

151 21.6 16.6 25.0



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.694 min Scan# 1606

Delta R.T. 0.000 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

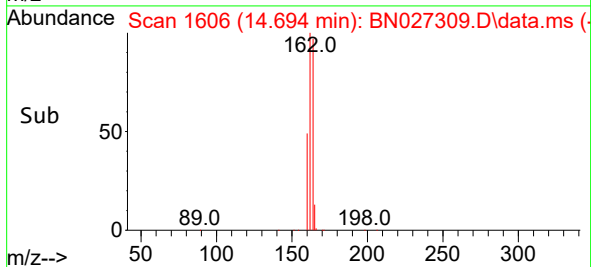
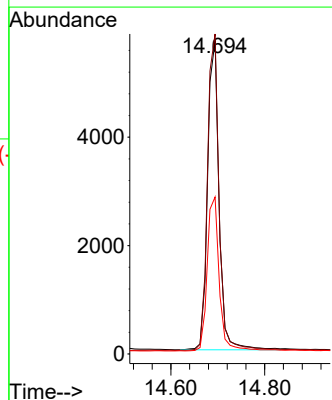
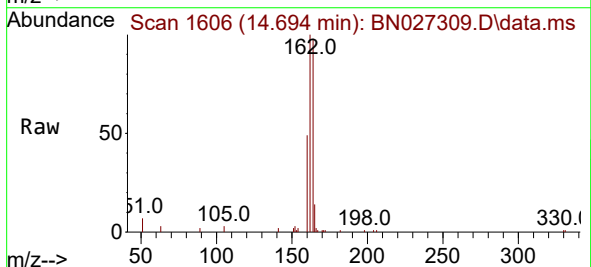
Tgt Ion:164 Resp: 9658

Ion Ratio Lower Upper

164 100

162 102.1 85.8 128.8

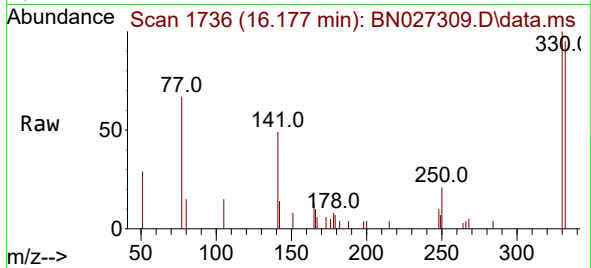
160 50.1 44.2 66.2



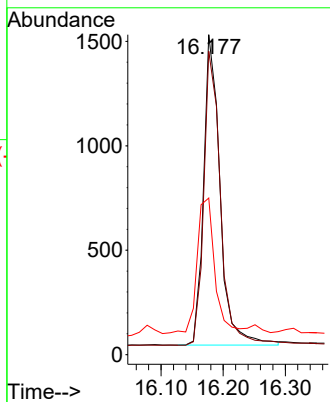
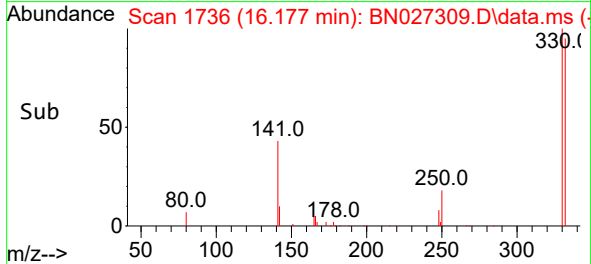


#14
2,4,6-Tribromophenol
Concen: 0.768 ng
RT: 16.177 min Scan# 1736
Delta R.T. -0.012 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

Instrument :
BNA_N
ClientSampleId :

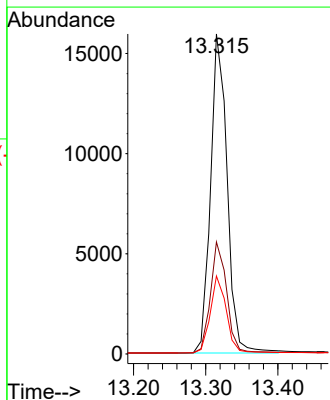
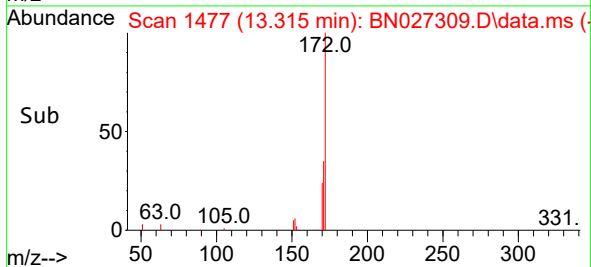
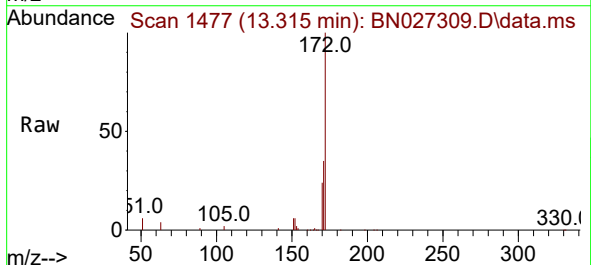


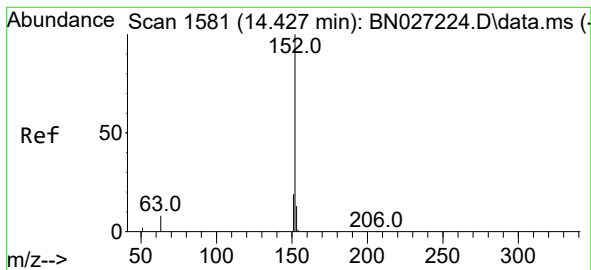
Tgt Ion:330 Resp: 2746
Ion Ratio Lower Upper
330 100
332 96.4 75.2 112.8
141 45.8 36.2 54.4



#15
2-Fluorobiphenyl
Concen: 0.692 ng
RT: 13.315 min Scan# 1477
Delta R.T. -0.011 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

Tgt Ion:172 Resp: 25428
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 24.3 19.3 28.9





#16

Acenaphthylene

Concen: 0.024 ng

RT: 14.416 min Scan# 11

Delta R.T. -0.011 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

Instrument :

BNA_N

ClientSampleId :

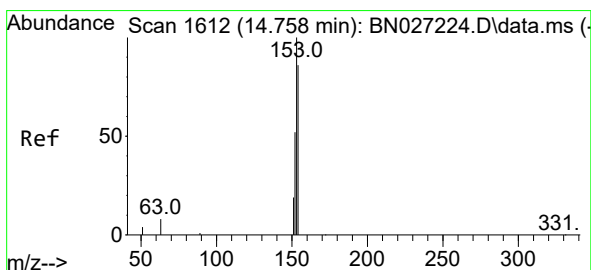
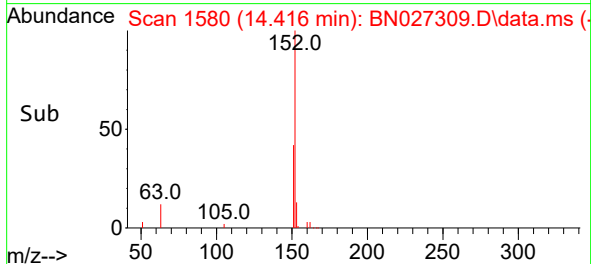
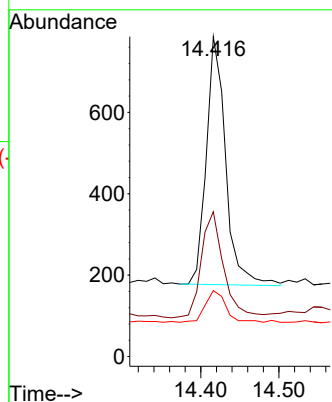
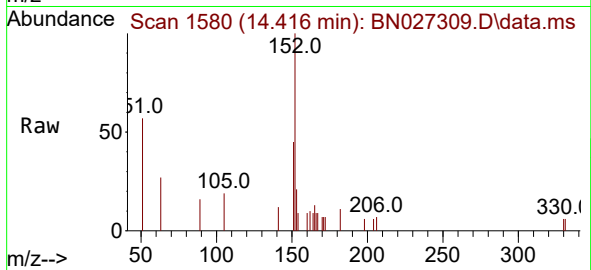
Tgt Ion:152 Resp: 1049

Ion Ratio Lower Upper

152 100

151 49.4 15.5 23.3#

153 13.7 10.3 15.5



#17

Acenaphthene

Concen: 0.022 ng

RT: 14.747 min Scan# 1611

Delta R.T. -0.011 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

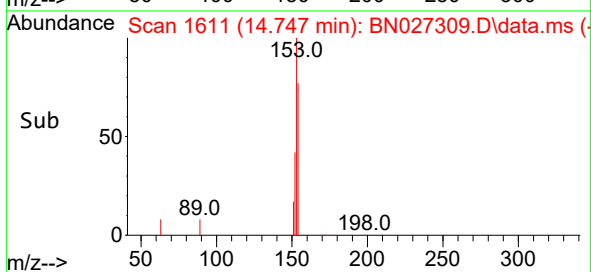
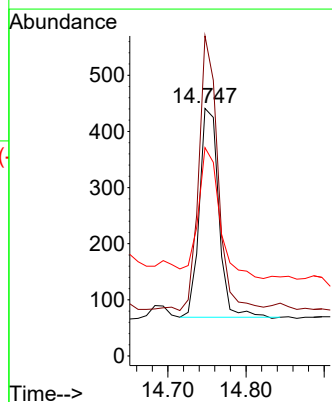
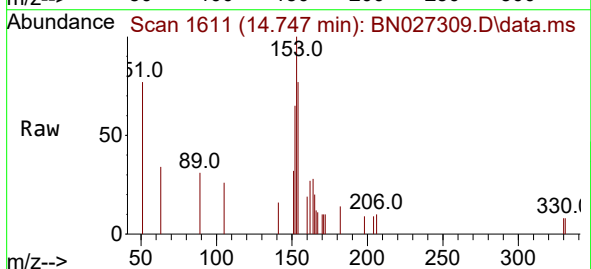
Tgt Ion:154 Resp: 640

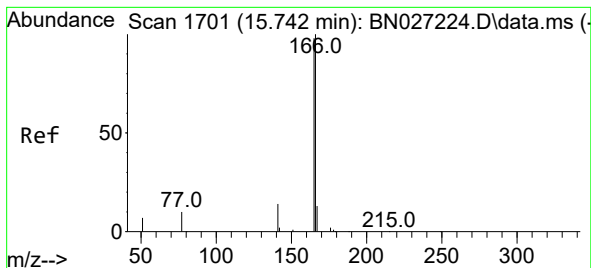
Ion Ratio Lower Upper

154 100

153 129.7 93.1 139.7

152 69.2 48.6 73.0





#18

Fluorene

Concen: 0.035 ng

RT: 15.730 min Scan# 1

Delta R.T. -0.012 min

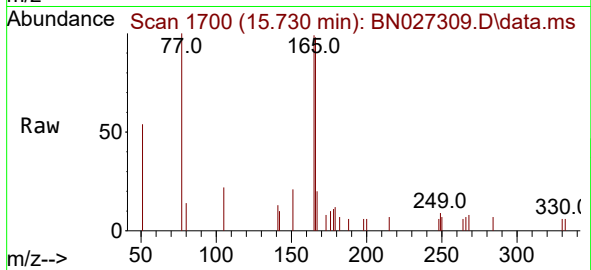
Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

Instrument :

BNA_N

ClientSampleId :



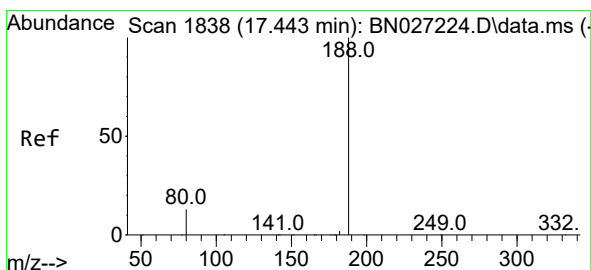
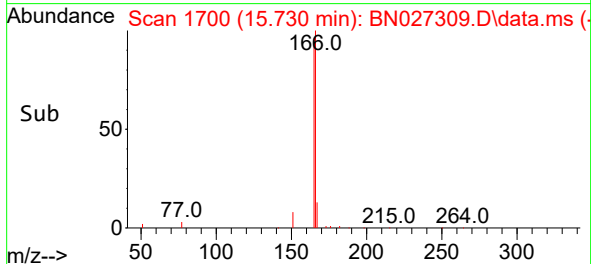
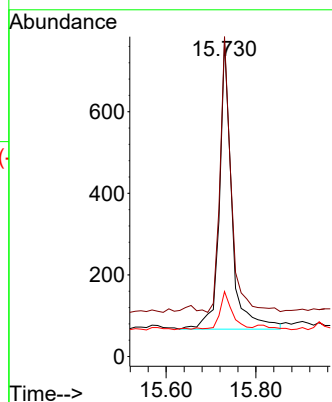
Tgt Ion:166 Resp: 1350

Ion Ratio Lower Upper

166 100

165 86.1 79.0 118.4

167 13.5 10.8 16.2



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.430 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

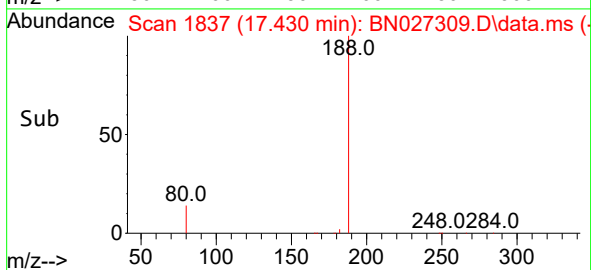
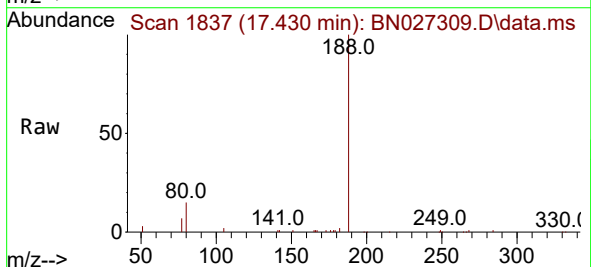
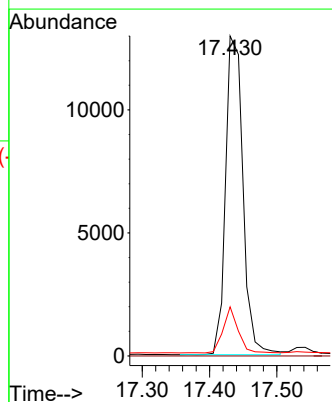
Tgt Ion:188 Resp: 23154

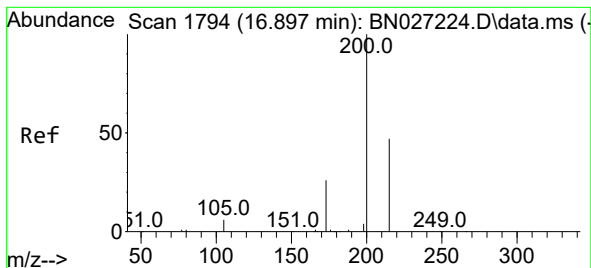
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.3 11.0 16.6

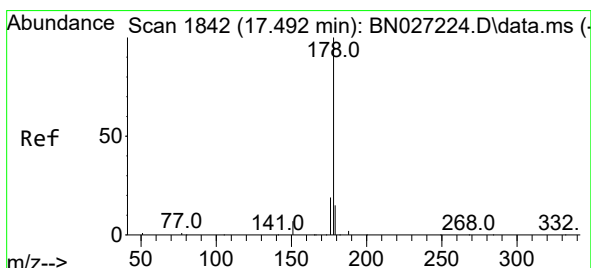
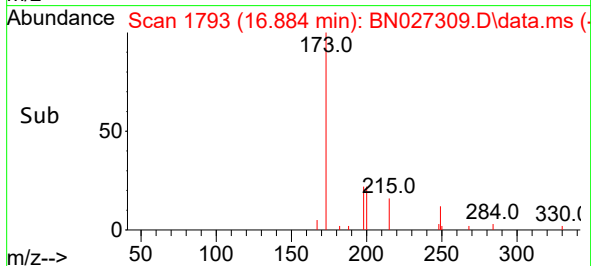
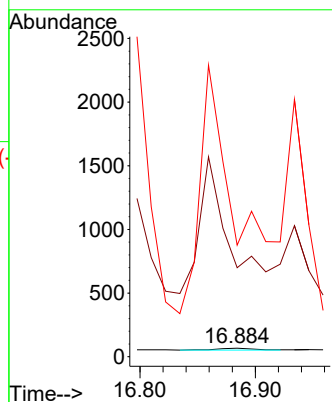
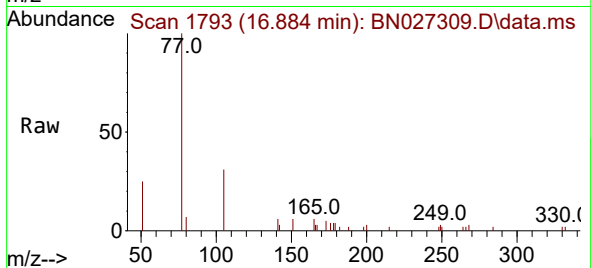




#20
4,6-Dinitro-2-methylphenol
Concen: 0.103 ng
RT: 16.884 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

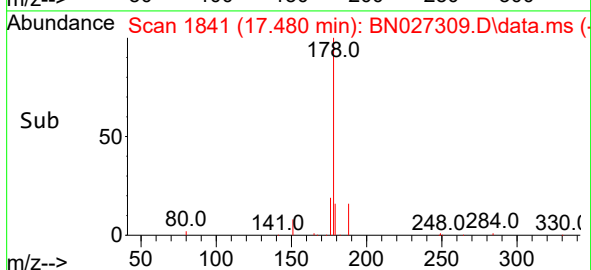
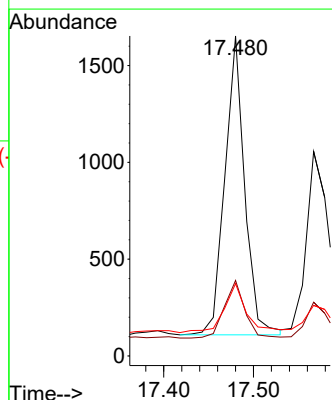
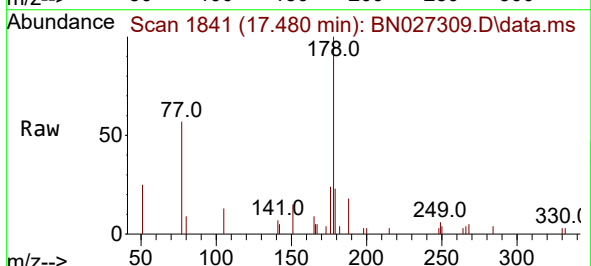
Instrument :
BNA_N
ClientSampleId :

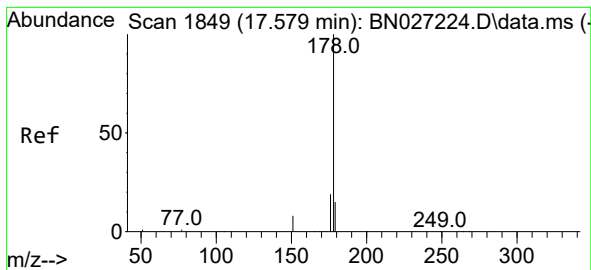
Tgt Ion:198 Resp: 34
Ion Ratio Lower Upper
198 100
51 1043.3 282.2 423.2#
105 1307.5 168.7 253.1#



#25
Phenanthrene
Concen: 0.035 ng
RT: 17.480 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

Tgt Ion:178 Resp: 2367
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 18.4 12.3 18.5





#26

Anthracene

Concen: 0.028 ng

RT: 17.567 min Scan# 11

Delta R.T. -0.012 min

Lab File: BN027309.D

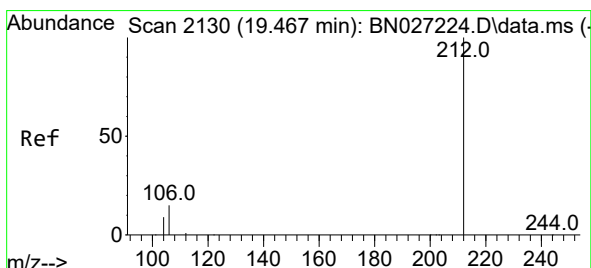
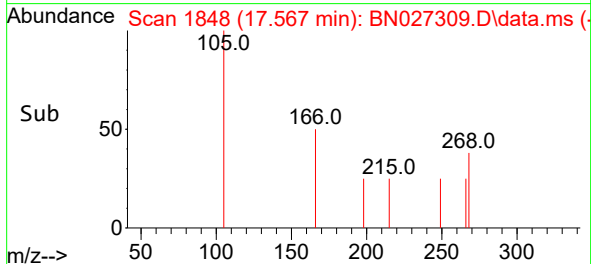
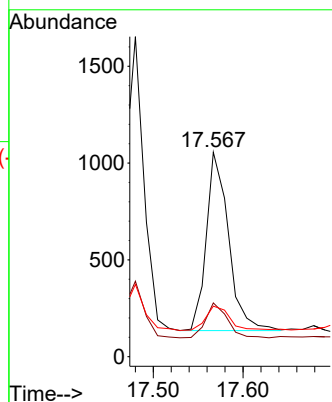
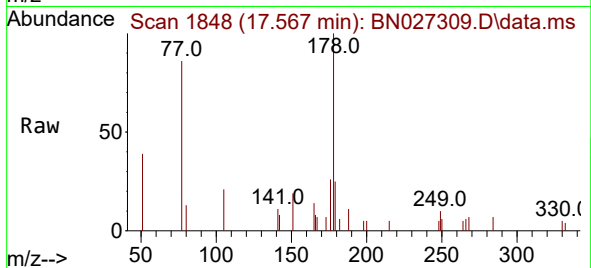
Acq: 31 Aug 2023 14:29

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:178	Resp:	1591
Ion	Ratio	Lower Upper
178	100	
176	18.9	14.9 22.3
179	15.2	12.0 18.0



#27

Fluoranthene-d10

Concen: 0.529 ng

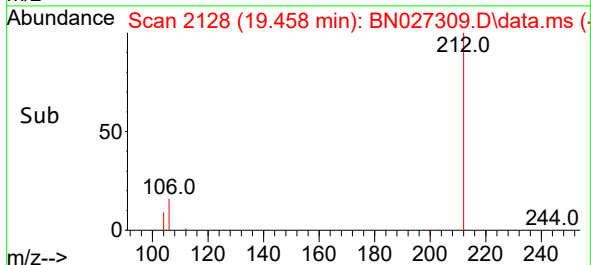
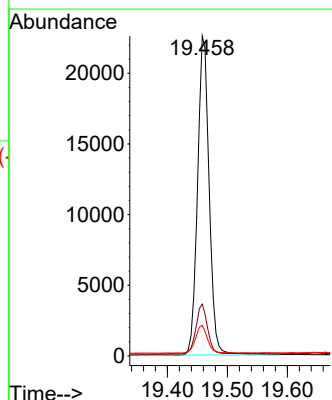
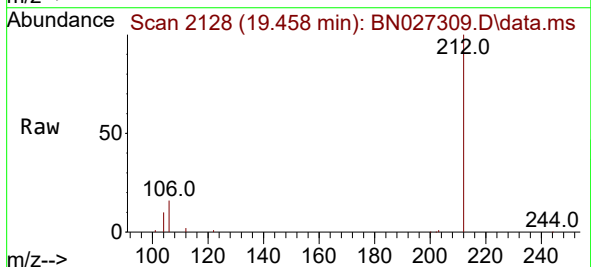
RT: 19.458 min Scan# 2128

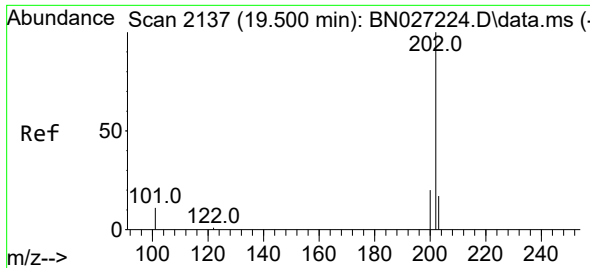
Delta R.T. -0.009 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

Tgt Ion:212	Resp:	30440
Ion	Ratio	Lower Upper
212	100	
106	15.2	12.1 18.1
104	8.8	6.9 10.3

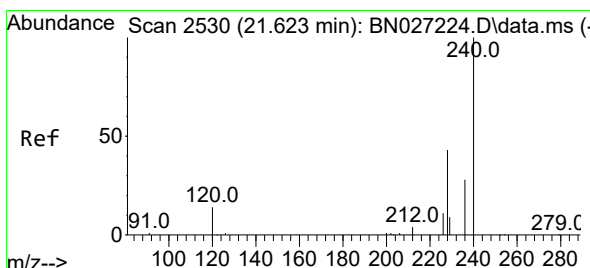
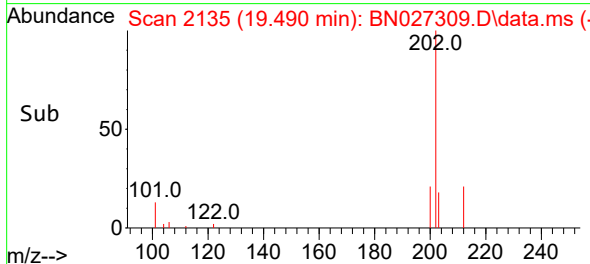
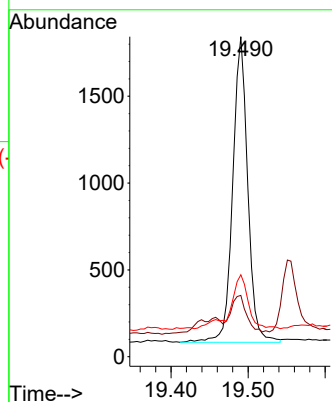
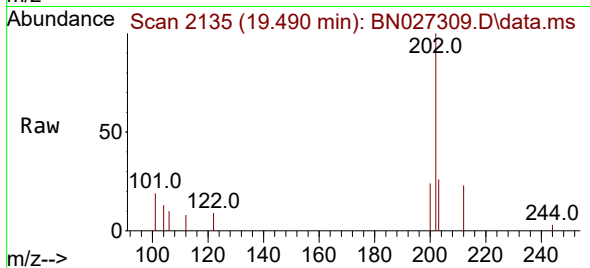




#28
Fluoranthene
Concen: 0.030 ng
RT: 19.490 min Scan# 2135
Delta R.T. -0.009 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

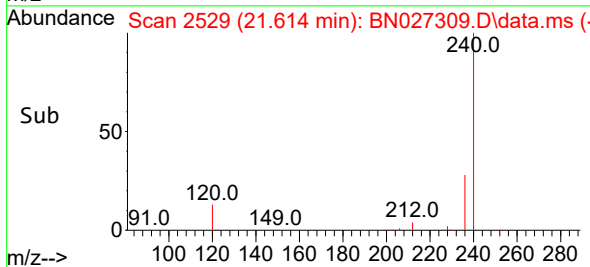
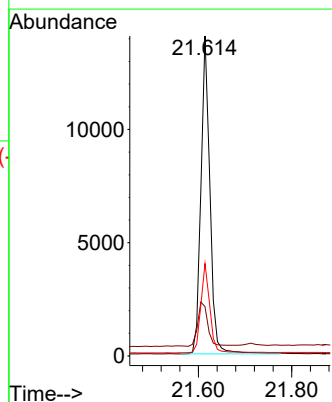
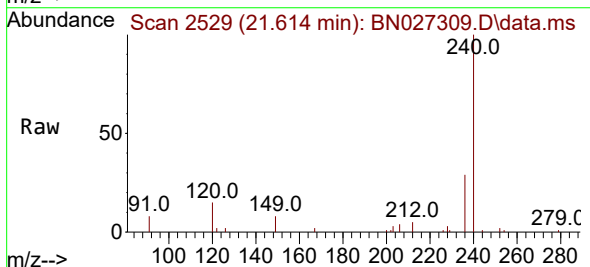
Instrument :
BNA_N
ClientSampleId :

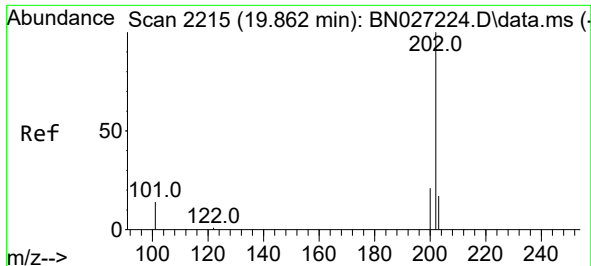
Tgt Ion:202 Resp: 2385
Ion Ratio Lower Upper
202 100
101 12.4 9.6 14.4
203 18.3 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.614 min Scan# 2529
Delta R.T. -0.009 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

Tgt Ion:240 Resp: 18874
Ion Ratio Lower Upper
240 100
120 15.4 14.2 21.4
236 28.9 22.9 34.3

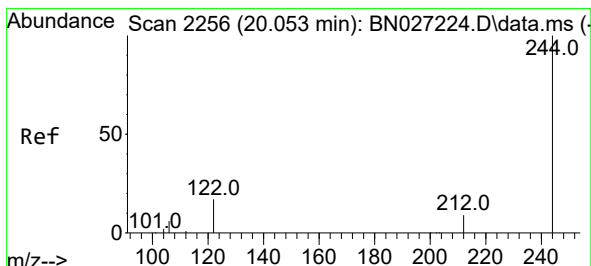
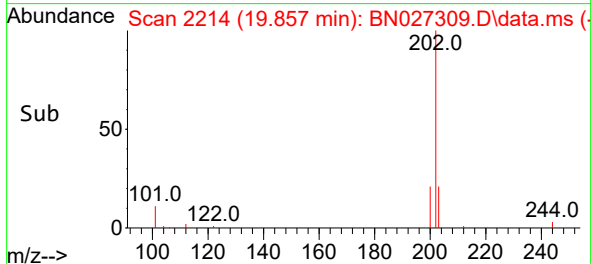
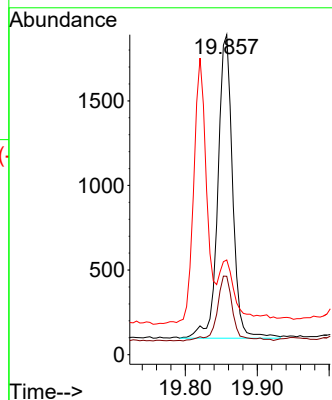
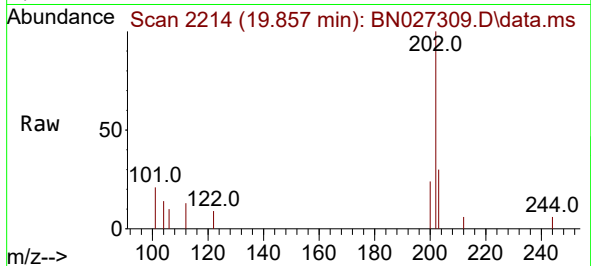




#30
Pyrene
Concen: 0.034 ng
RT: 19.857 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

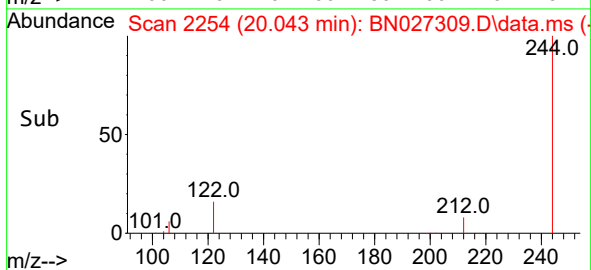
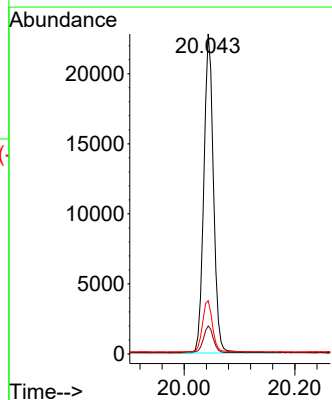
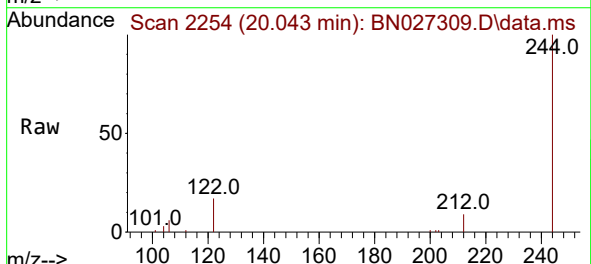
Instrument :
BNA_N
ClientSampleId :

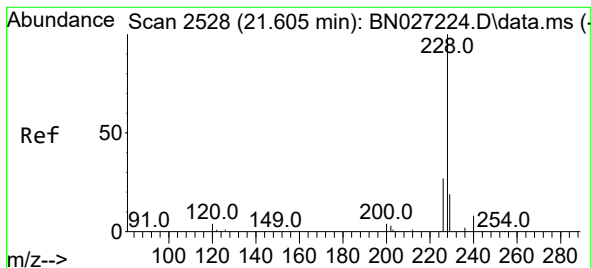
Tgt Ion:202 Resp: 2549
Ion Ratio Lower Upper
202 100
200 23.2 16.6 25.0
203 17.7 14.2 21.4



#31
Terphenyl-d14
Concen: 0.731 ng
RT: 20.043 min Scan# 2254
Delta R.T. -0.009 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

Tgt Ion:244 Resp: 27706
Ion Ratio Lower Upper
244 100
212 8.7 7.5 11.3
122 16.7 14.0 21.0





#32

Benzo(a)anthracene

Concen: 0.027 ng

RT: 21.596 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

Instrument :

BNA_N

ClientSampleId :

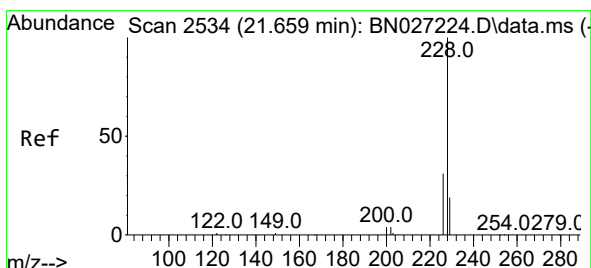
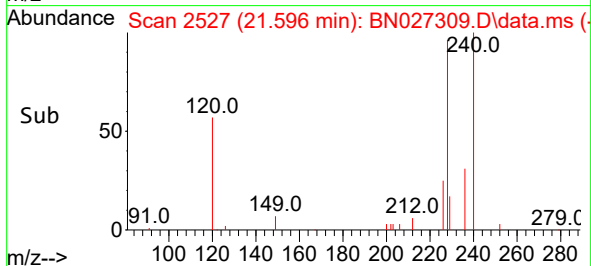
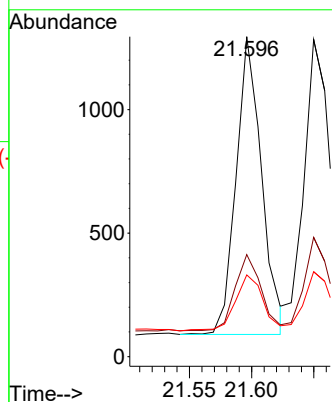
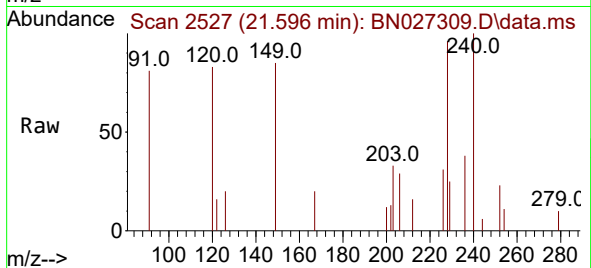
Tgt Ion:228 Resp: 1717

Ion Ratio Lower Upper

228 100

226 31.9 21.9 32.9

229 25.6 15.7 23.5#



#33

Chrysene

Concen: 0.025 ng

RT: 21.650 min Scan# 2533

Delta R.T. -0.009 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

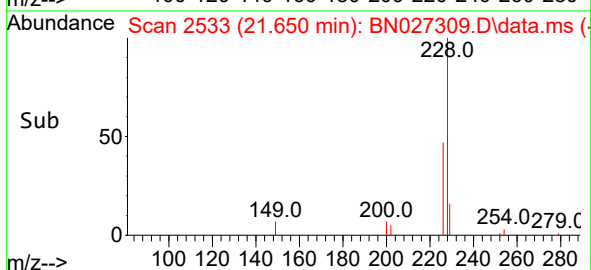
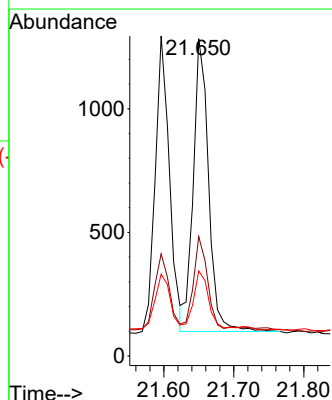
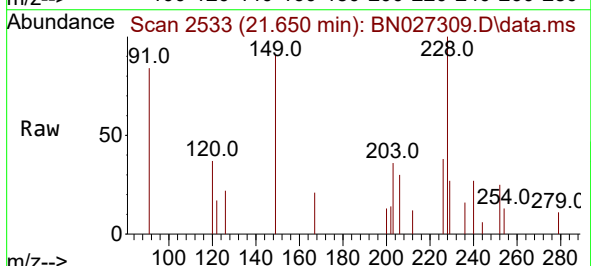
Tgt Ion:228 Resp: 1805

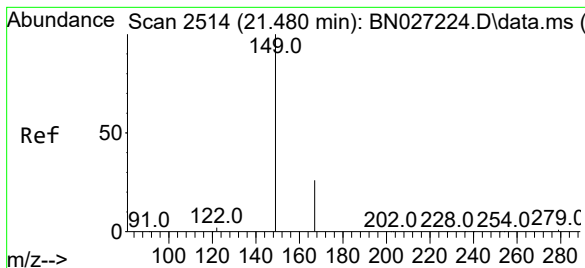
Ion Ratio Lower Upper

228 100

226 37.6 24.3 36.5#

229 26.8 15.4 23.2#

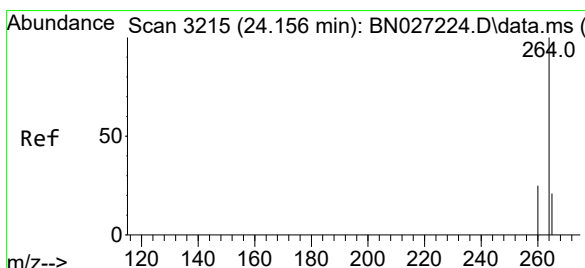
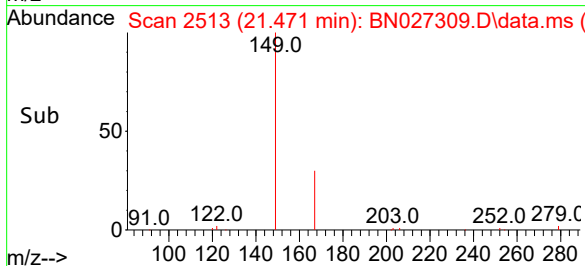
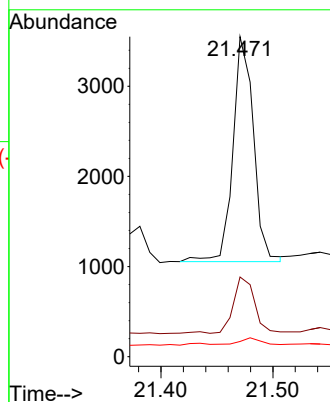
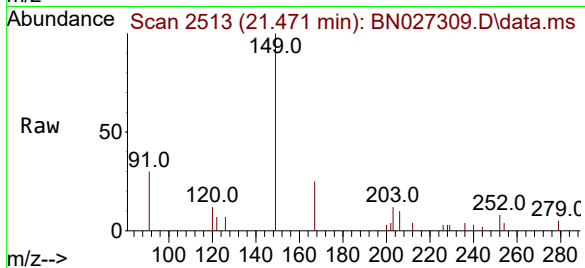




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.102 ng
 RT: 21.471 min Scan# 2147
 Delta R.T. -0.009 min
 Lab File: BN027309.D
 Acq: 31 Aug 2023 14:29

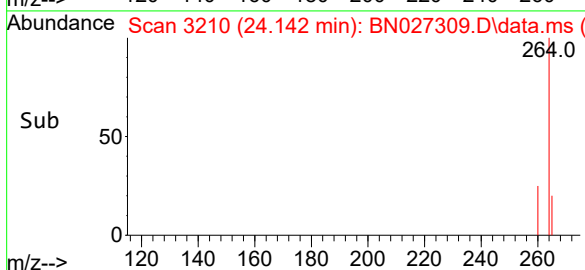
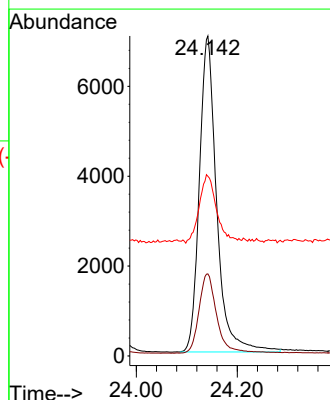
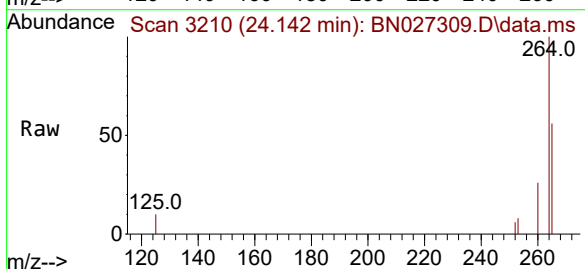
Instrument :
 BNA_N
 ClientSampleId :

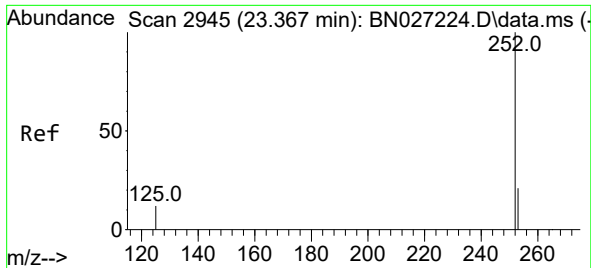
Tgt Ion:149 Resp: 3177
 Ion Ratio Lower Upper
 149 100
 167 26.9 22.1 33.1
 279 3.0 2.7 4.1



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.142 min Scan# 3210
 Delta R.T. -0.015 min
 Lab File: BN027309.D
 Acq: 31 Aug 2023 14:29

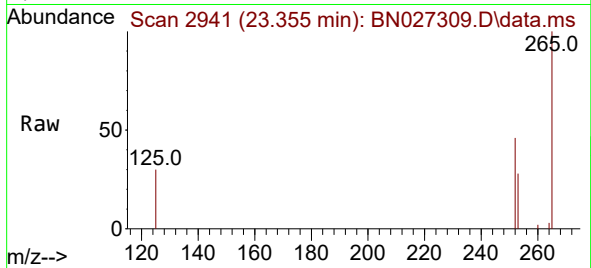
Tgt Ion:264 Resp: 16750
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.7 31.1
 265 56.1 53.3 79.9



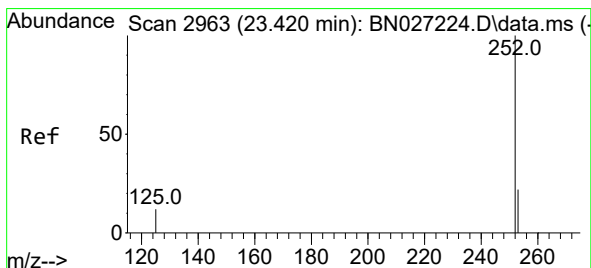
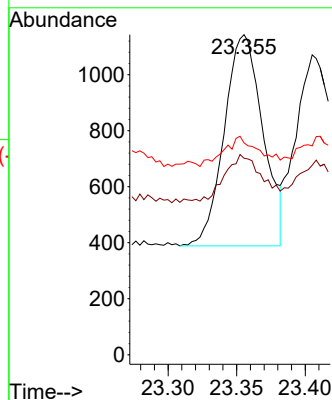


#37
Benzo(b)fluoranthene
Concen: 0.023 ng
RT: 23.355 min Scan# 2941
Delta R.T. -0.012 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:252 Resp: 1481
Ion Ratio Lower Upper
252 100
253 61.4 19.9 29.9#
125 66.2 13.8 20.6#



#38
Benzo(k)fluoranthene
Concen: 0.020 ng
RT: 23.405 min Scan# 2958
Delta R.T. -0.015 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

Tgt Ion:252 Resp: 1346
Ion Ratio Lower Upper
252 100
253 63.2 20.2 30.2#
125 69.7 14.1 21.1#

