

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 :
 OW-07B-67-082823-H

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

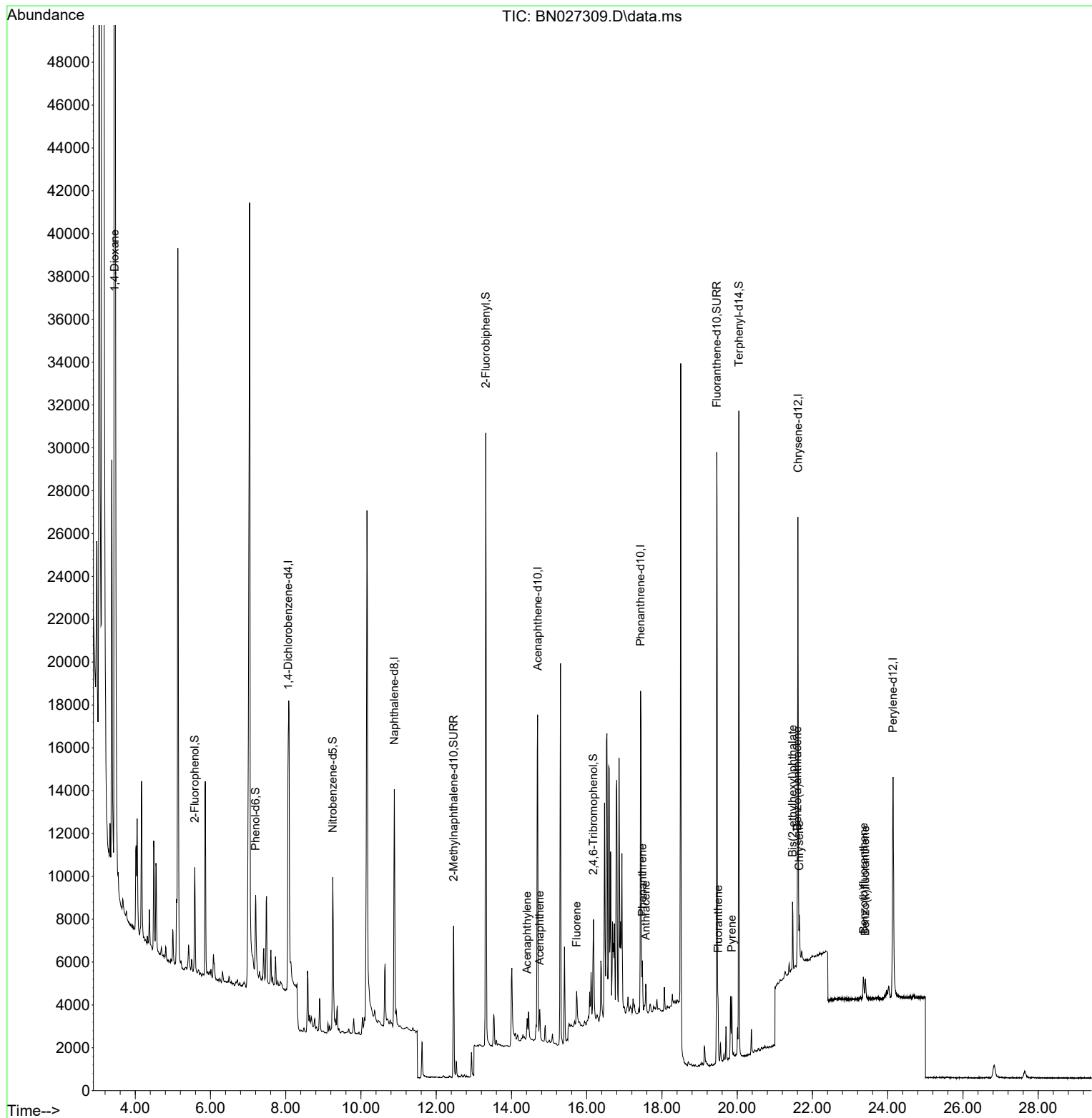
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.066	152	5145	0.400	ng	0.00
7) Naphthalene-d8	10.885	136	15329	0.400	ng	-0.01
13) Acenaphthene-d10	14.694	164	9658	0.400	ng	0.00
19) Phenanthrene-d10	17.430	188	23154	0.400	ng	-0.01
29) Chrysene-d12	21.614	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						
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
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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Instrument :
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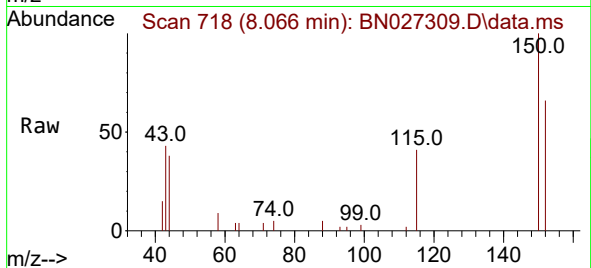
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 29 05:37:30 2023
Response via : Initial Calibration



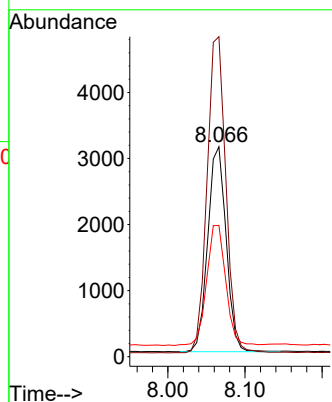
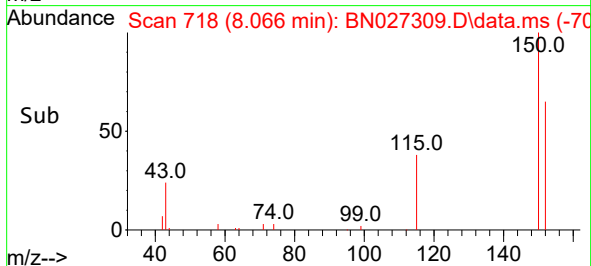


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.066 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: BN027309.D
 Acq: 31 Aug 2023 14:29

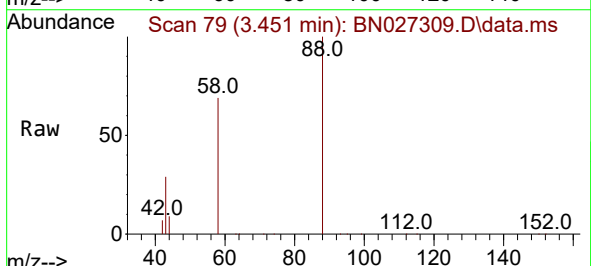
Instrument :
 BNA_N
 ClientSampleId :
 OW-07B-67-082823-H



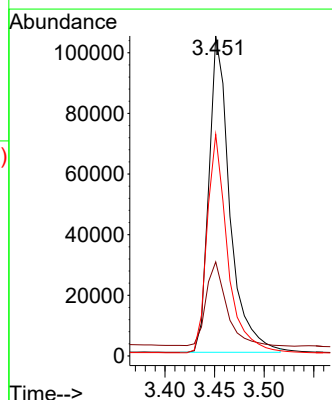
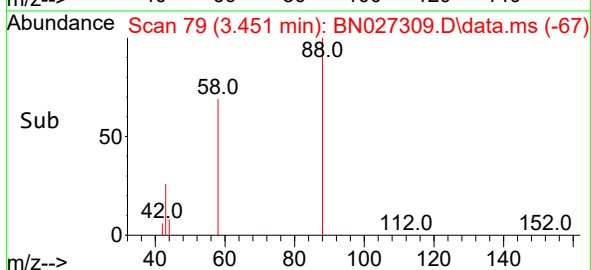
Tgt Ion:152 Resp: 5145
 Ion Ratio Lower Upper
 152 100
 150 152.4 122.7 184.1
 115 62.5 48.6 73.0



#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 :

OW-07B-67-082823-H

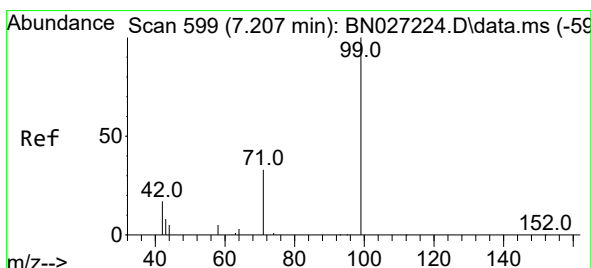
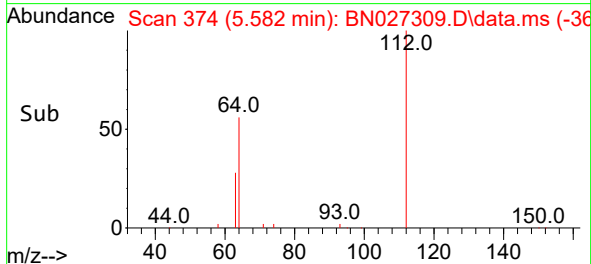
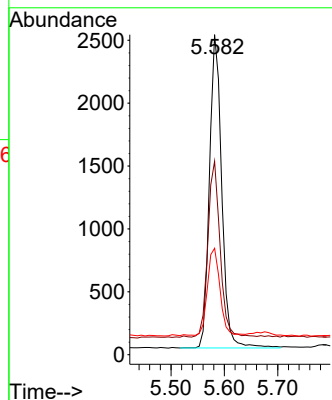
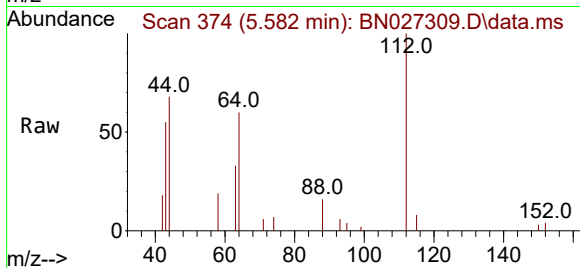
Tgt Ion:112 Resp: 3992

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

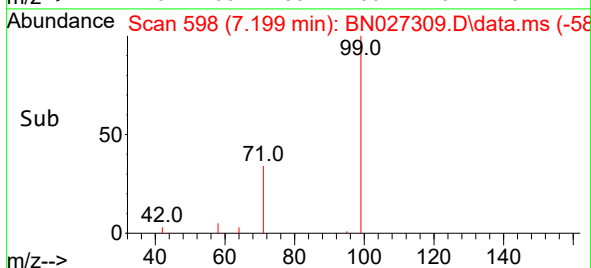
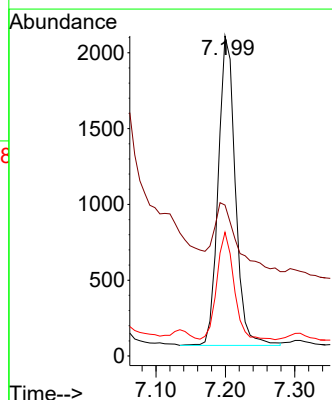
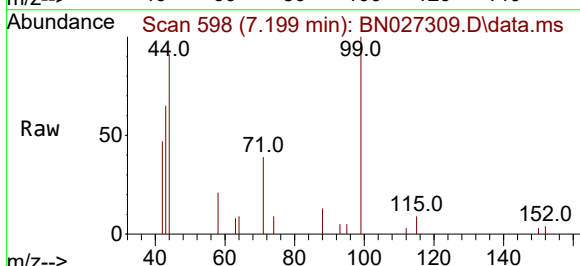
Tgt Ion: 99 Resp: 3488

Ion Ratio Lower Upper

99 100

42 29.9 14.5 21.7#

71 34.5 25.8 38.6

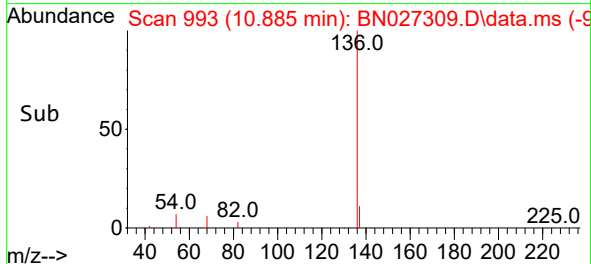
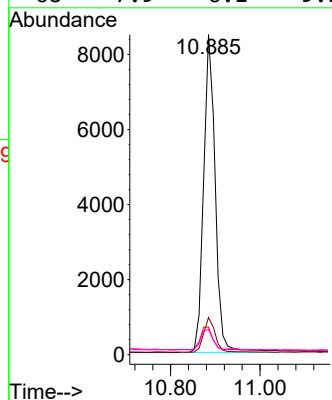
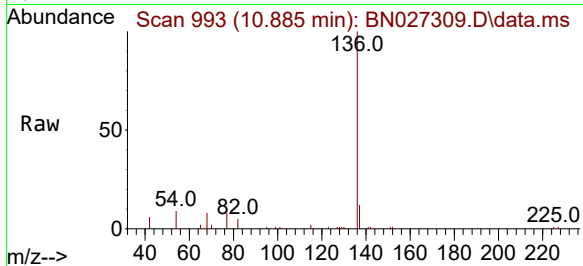




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.885 min Scan# 994
Delta R.T. -0.011 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

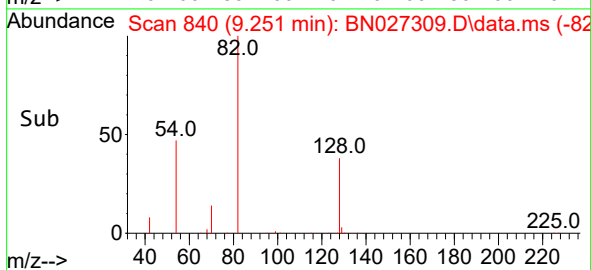
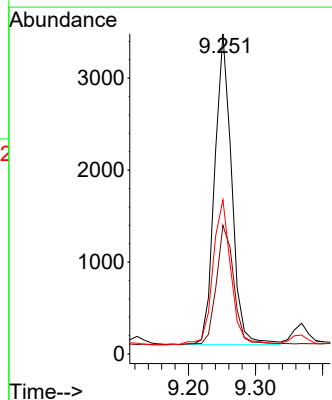
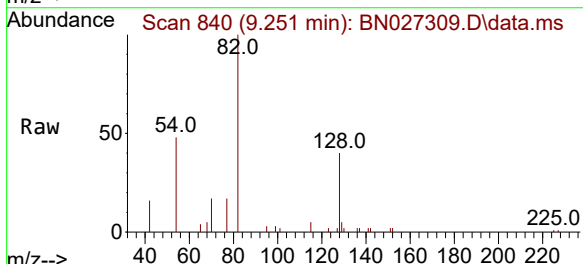
Instrument :
BNA_N
ClientSampleId :
OW-07B-67-082823-H

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 :

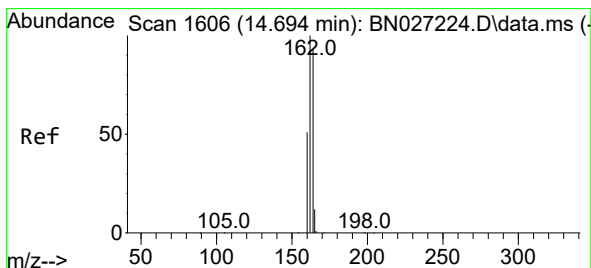
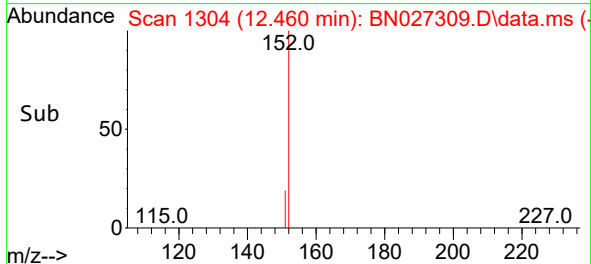
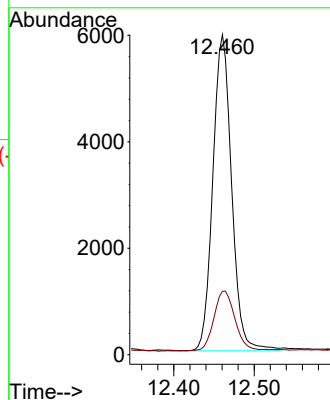
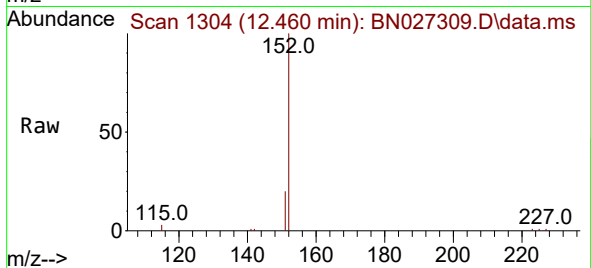
OW-07B-67-082823-H

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

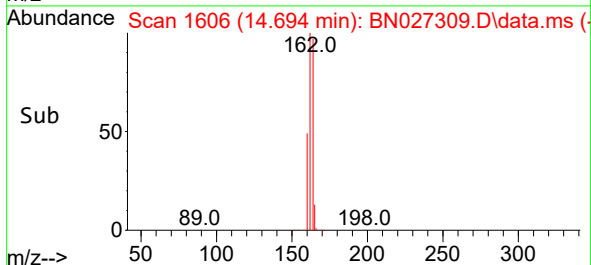
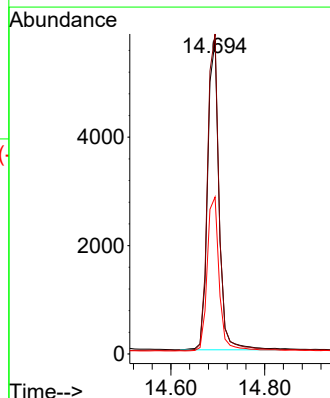
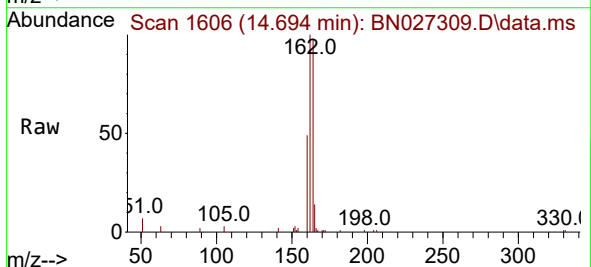
Tgt Ion:164 Resp: 9658

Ion Ratio Lower Upper

164 100

162 102.1 85.8 128.8

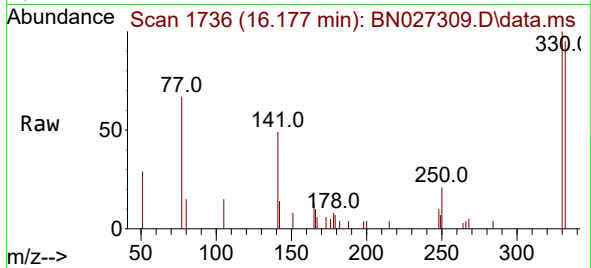
160 50.1 44.2 66.2



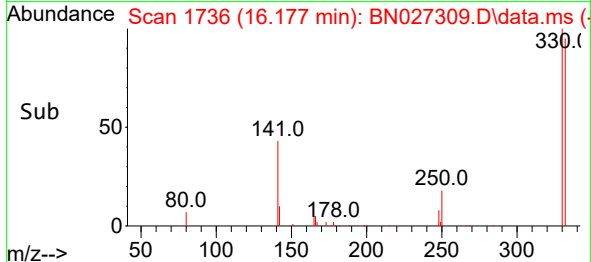
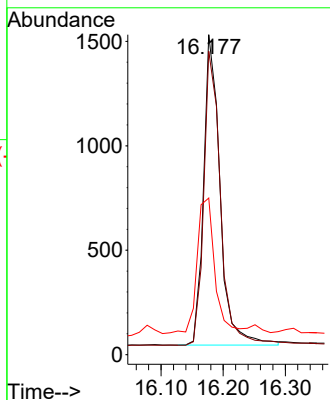


#14
2,4,6-Tribromophenol
Concen: 0.768 ng
RT: 16.177 min Scan# 1736
Delta R.T. -0.012 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

Instrument :
BNA_N
ClientSampleId :
OW-07B-67-082823-H

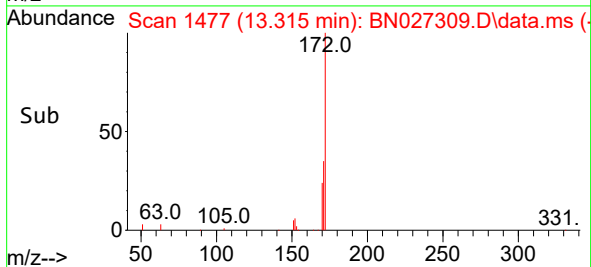
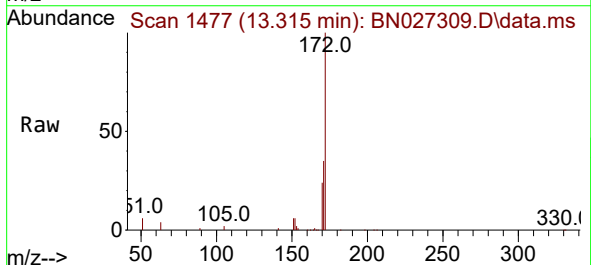
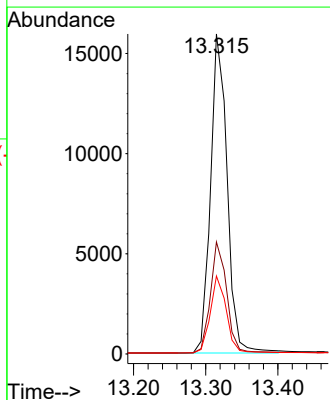


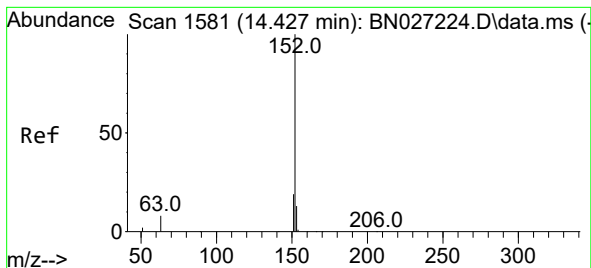
Tgt Ion:330 Resp: 2746
Ion Ratio Lower Upper
330 100
332 96.4 75.2 112.8
141 45.8 36.2 54.4



#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 :

OW-07B-67-082823-H

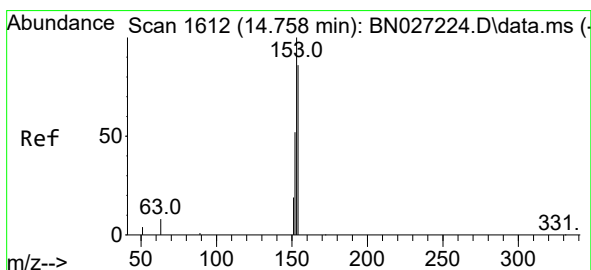
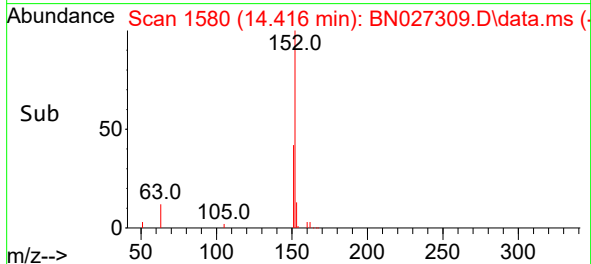
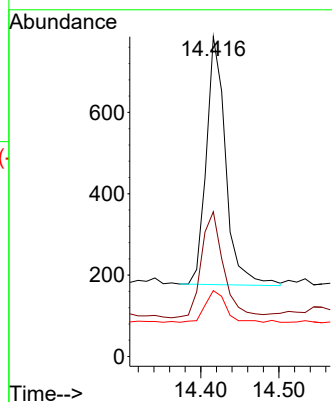
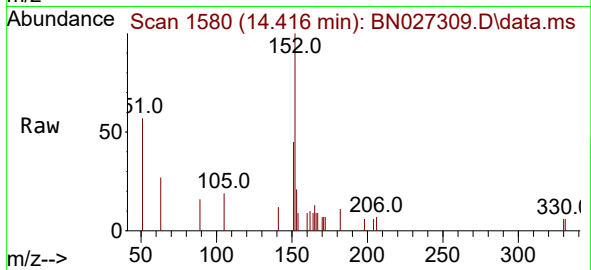
Tgt Ion:152 Resp: 1049

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

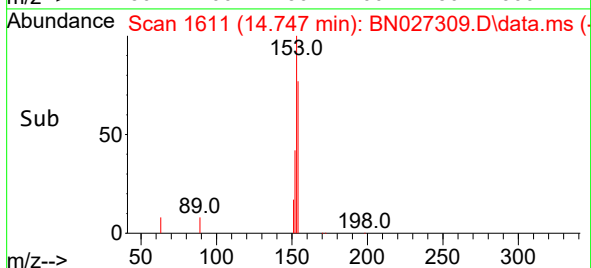
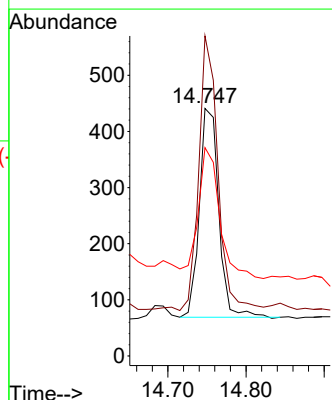
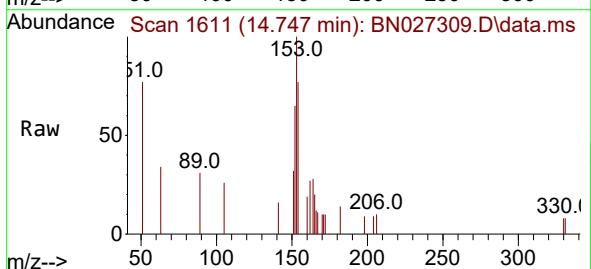
Tgt Ion:154 Resp: 640

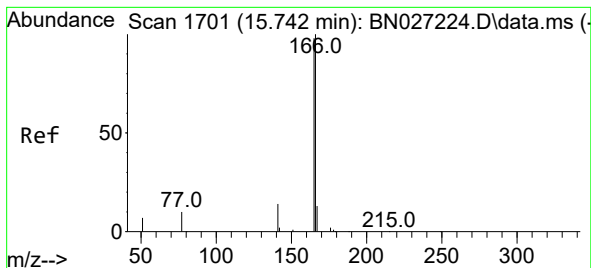
Ion Ratio Lower Upper

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

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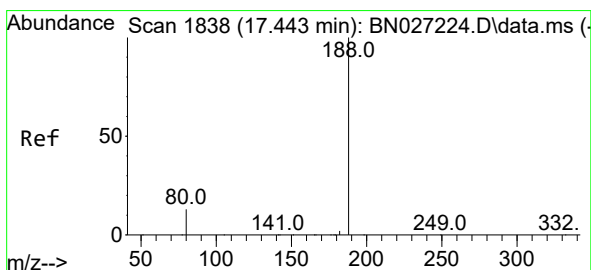
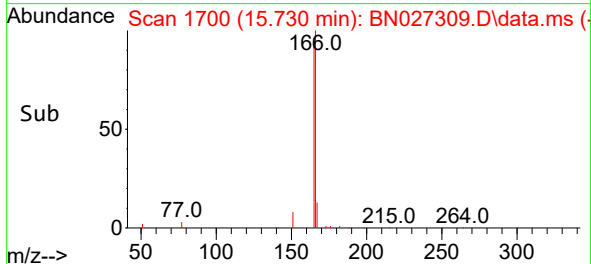
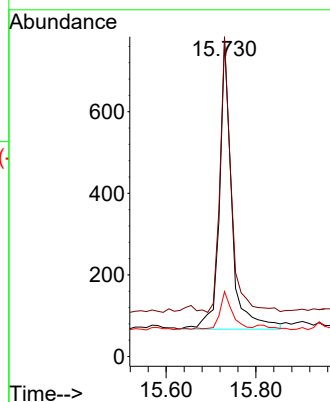
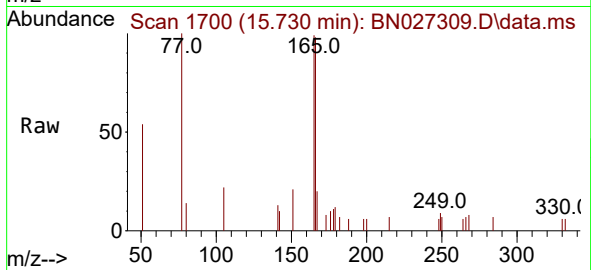
Tgt Ion:166 Resp: 1350

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

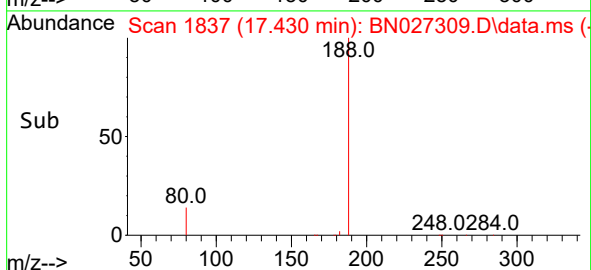
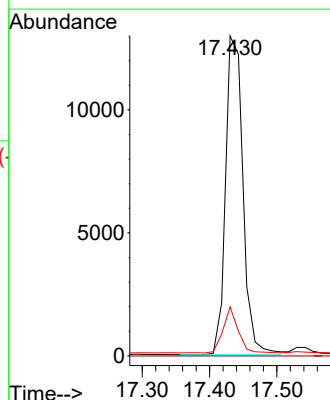
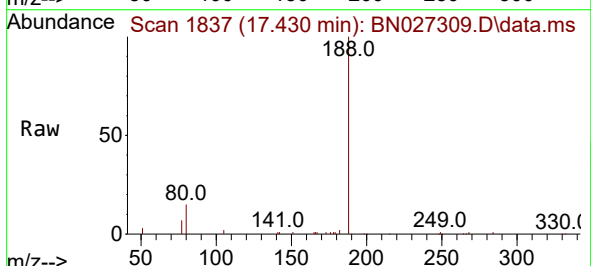
Tgt Ion:188 Resp: 23154

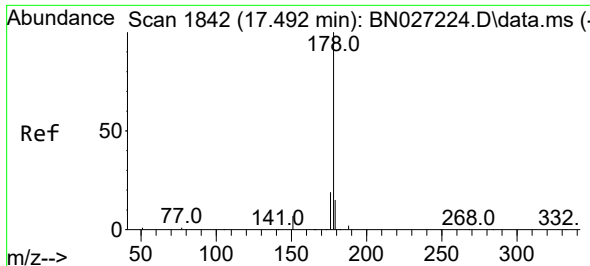
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.3 11.0 16.6

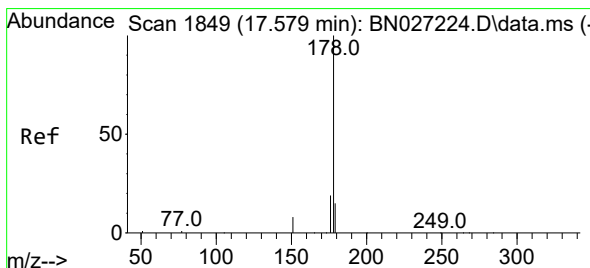
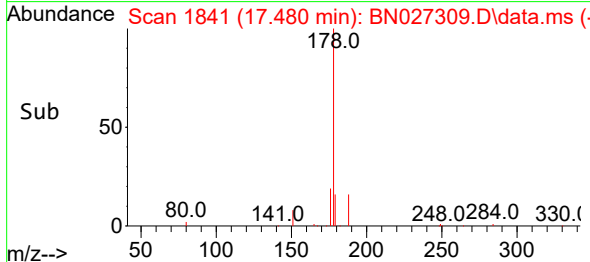
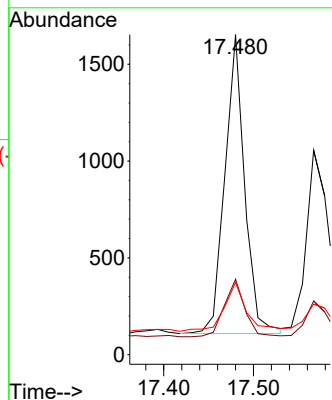
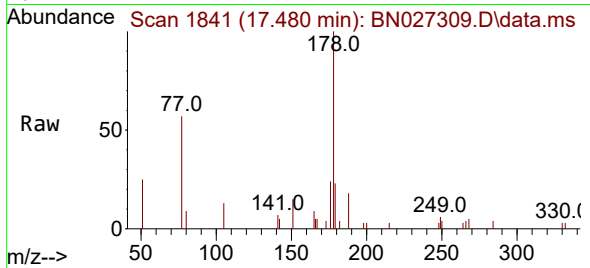




#25
Phenanthrene
Concen: 0.035 ng
RT: 17.480 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

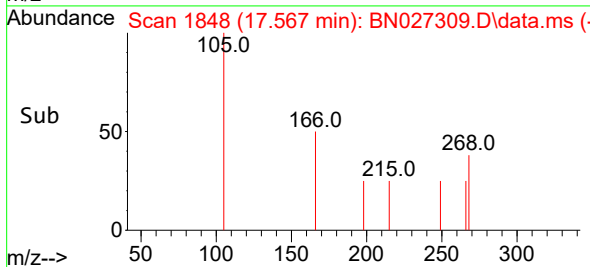
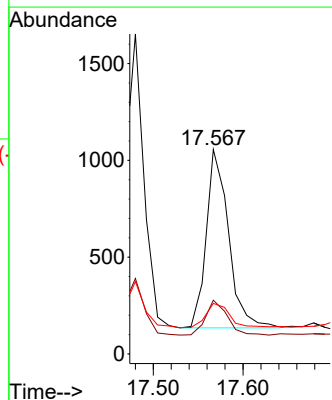
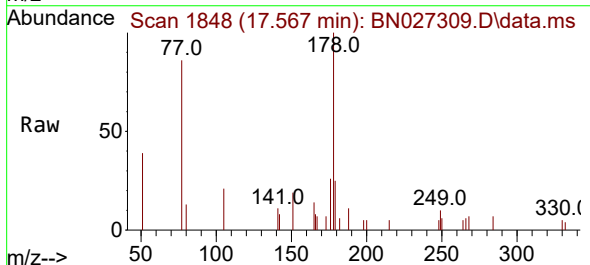
Instrument :
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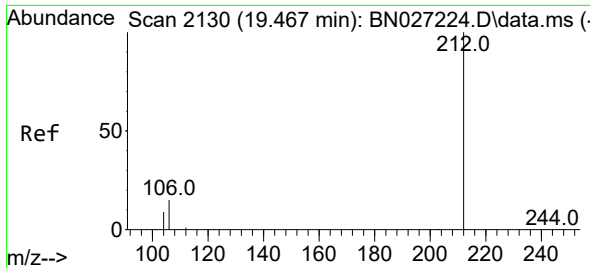
Tgt Ion:178 Resp: 2367
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 18.4 12.3 18.5



#26
Anthracene
Concen: 0.028 ng
RT: 17.567 min Scan# 1848
Delta R.T. -0.012 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

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

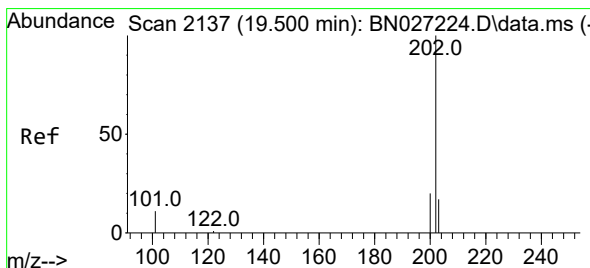
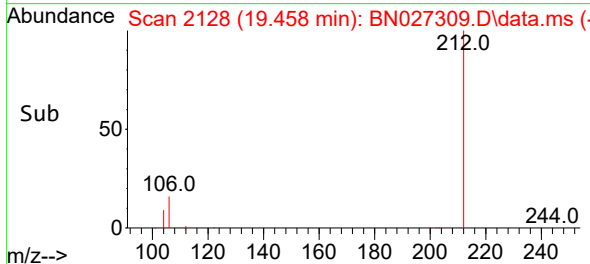
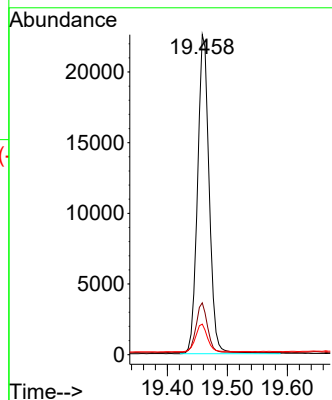
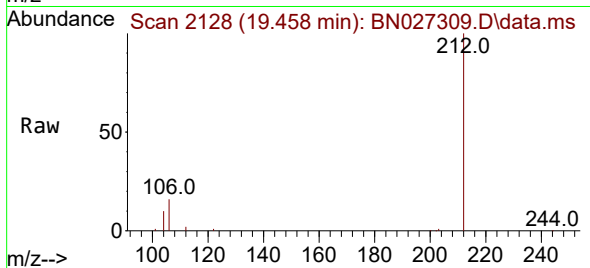




#27
Fluoranthene-d10
Concen: 0.529 ng
RT: 19.458 min Scan# 2112
Delta R.T. -0.009 min
Lab File: BN027309.D
Acq: 31 Aug 2023 14:29

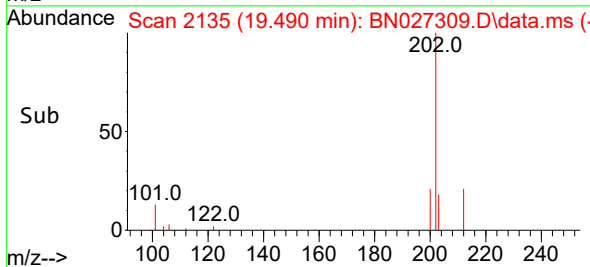
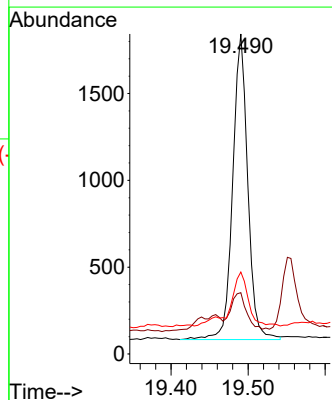
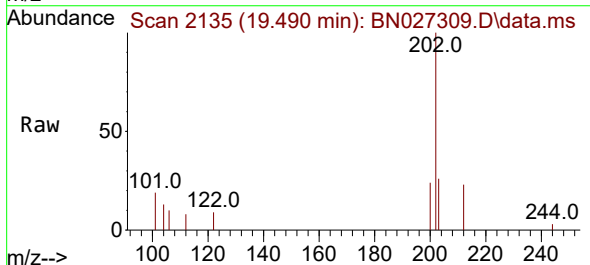
Instrument :
BNA_N
ClientSampleId :
OW-07B-67-082823-H

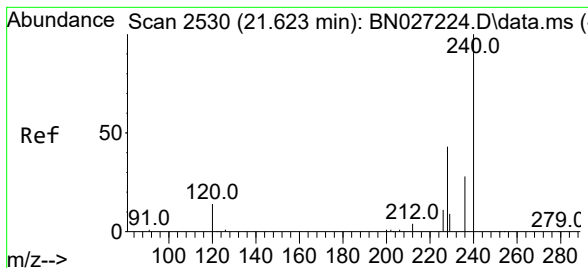
Tgt Ion:212 Resp: 30440
Ion Ratio Lower Upper
212 100
106 15.2 12.1 18.1
104 8.8 6.9 10.3



#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

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# 21

Delta R.T. -0.009 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

Instrument :

BNA_N

ClientSampleId :

OW-07B-67-082823-H

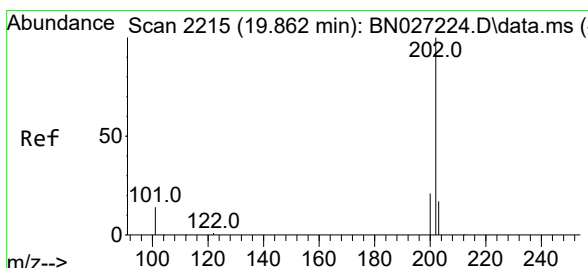
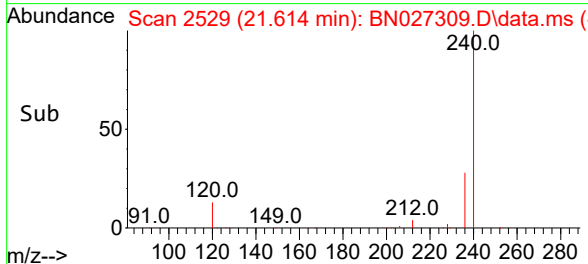
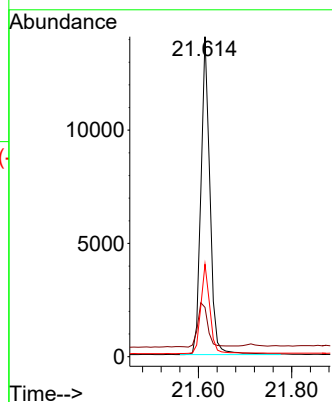
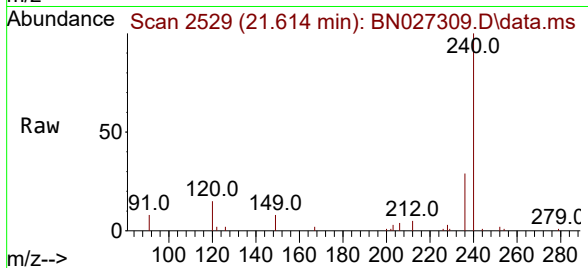
Tgt Ion:240 Resp: 18874

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# 2214

Delta R.T. -0.005 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

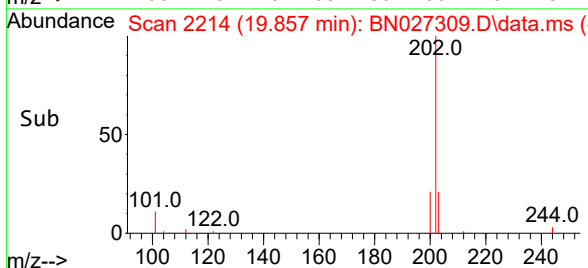
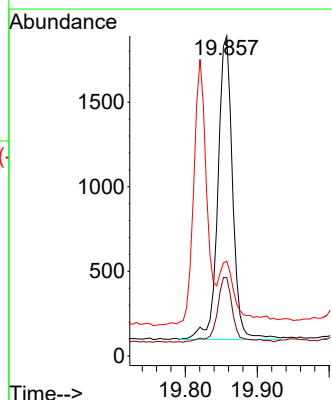
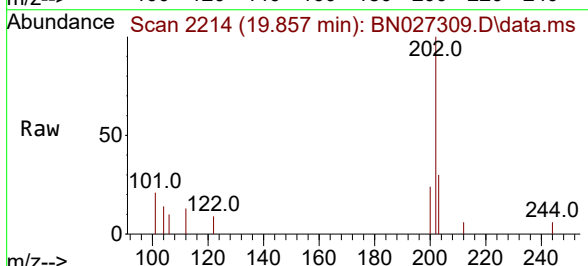
Tgt Ion:202 Resp: 2549

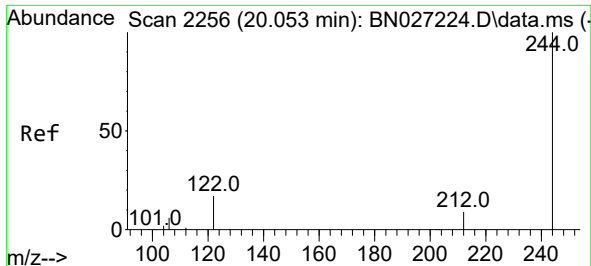
Ion Ratio Lower Upper

202 100

200 23.2 16.6 25.0

203 17.7 14.2 21.4

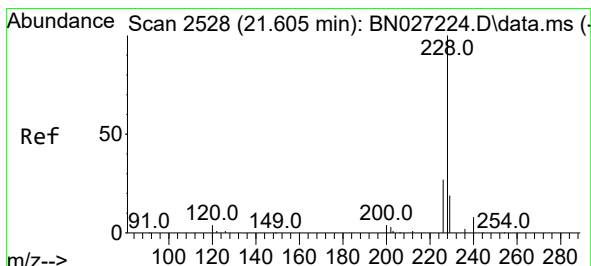
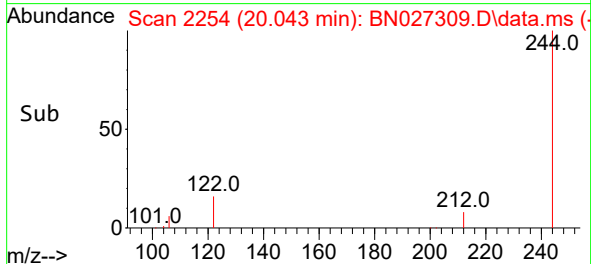
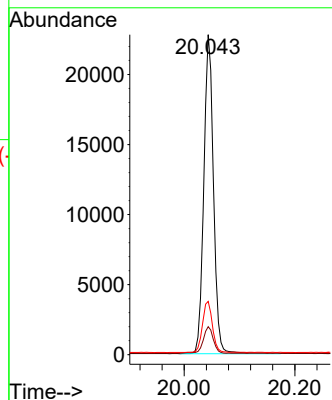
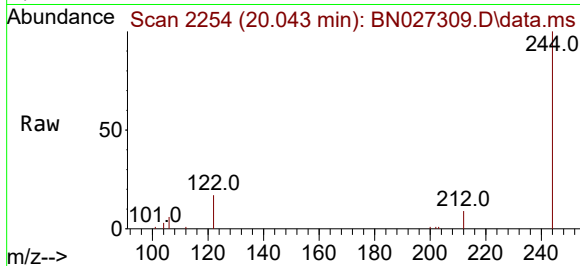




#31
 Terphenyl-d14
 Concen: 0.731 ng
 RT: 20.043 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN027309.D
 Acq: 31 Aug 2023 14:29

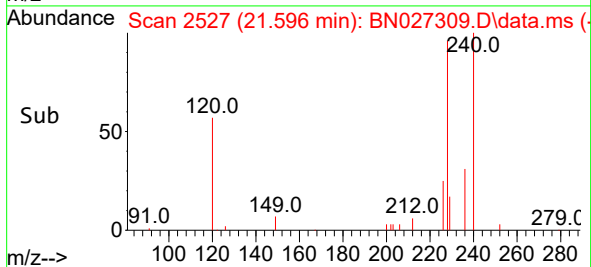
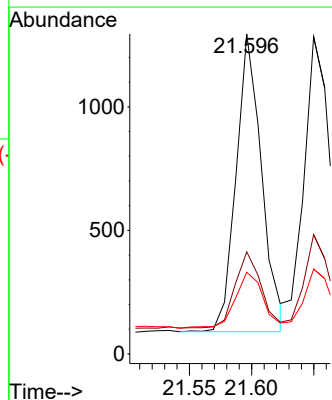
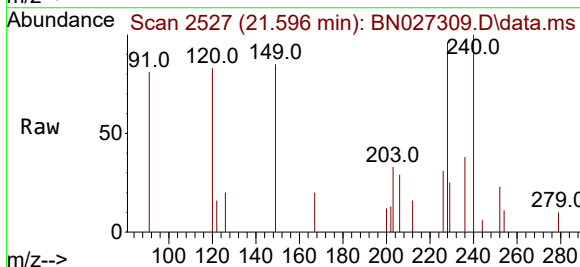
Instrument :
 BNA_N
 ClientSampleId :
 OW-07B-67-082823-H

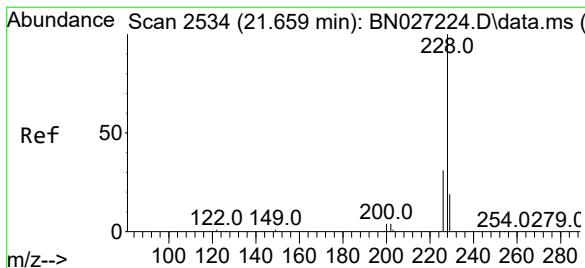
Tgt Ion:244 Resp: 27706
 Ion Ratio Lower Upper
 244 100
 212 8.7 7.5 11.3
 122 16.7 14.0 21.0



#32
 Benzo(a)anthracene
 Concen: 0.027 ng
 RT: 21.596 min Scan# 2527
 Delta R.T. -0.009 min
 Lab File: BN027309.D
 Acq: 31 Aug 2023 14:29

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# 21

Delta R.T. -0.009 min

Lab File: BN027309.D

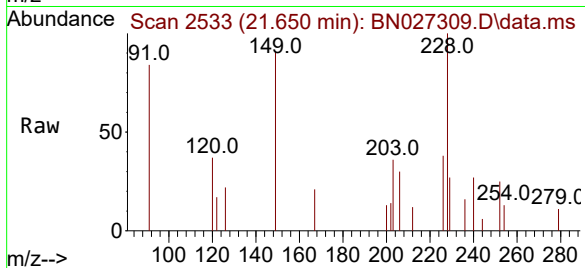
Acq: 31 Aug 2023 14:29

Instrument :

BNA_N

ClientSampleId :

OW-07B-67-082823-H



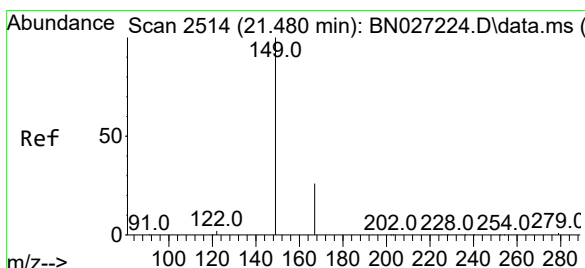
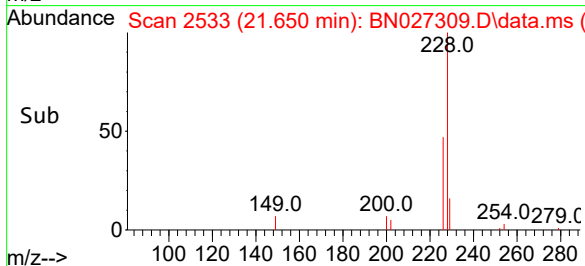
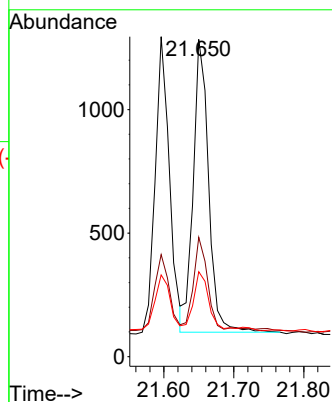
Tgt Ion:228 Resp: 1805

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# 2513

Delta R.T. -0.009 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

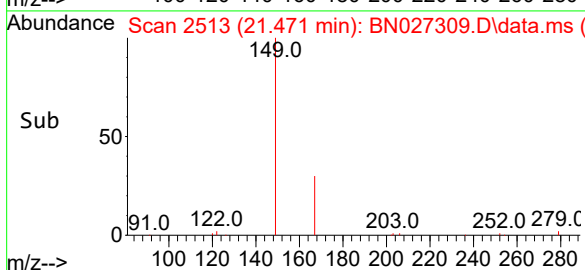
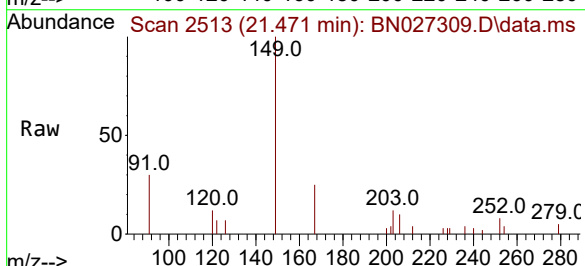
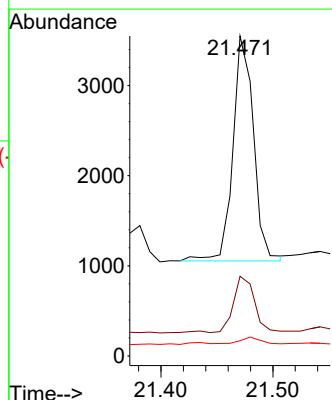
Tgt Ion:149 Resp: 3177

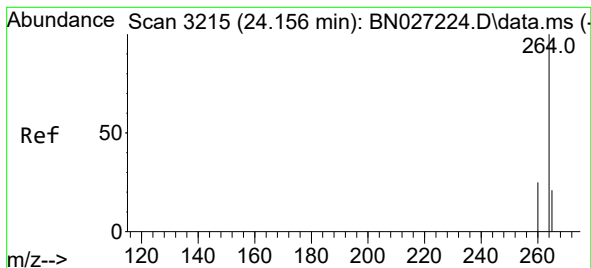
Ion Ratio Lower Upper

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# 31

Delta R.T. -0.015 min

Lab File: BN027309.D

Acq: 31 Aug 2023 14:29

Instrument :

BNA_N

ClientSampleId :

OW-07B-67-082823-H

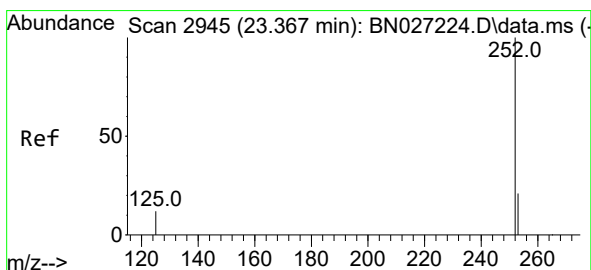
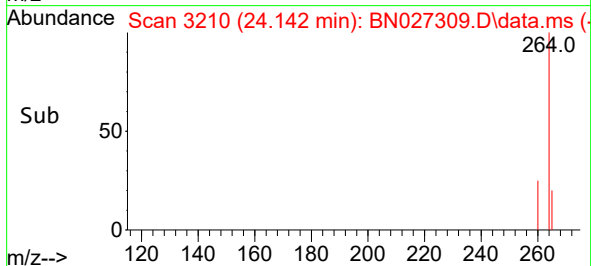
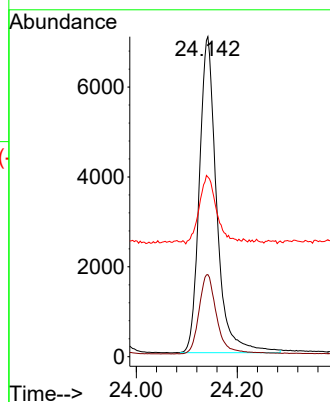
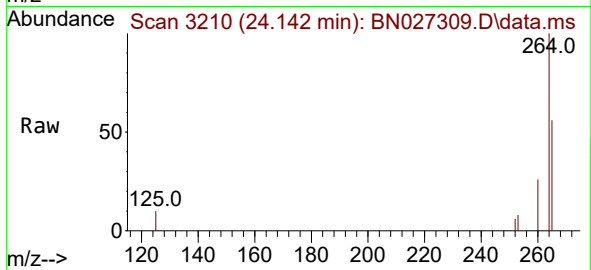
Tgt Ion:264 Resp: 16750

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

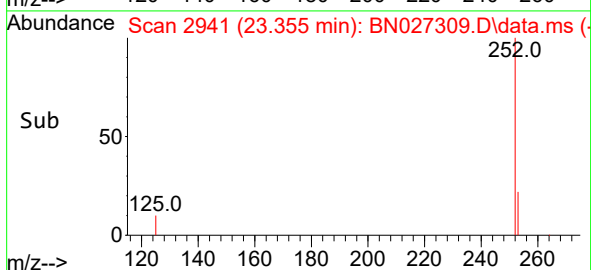
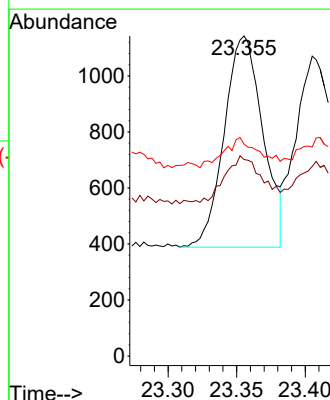
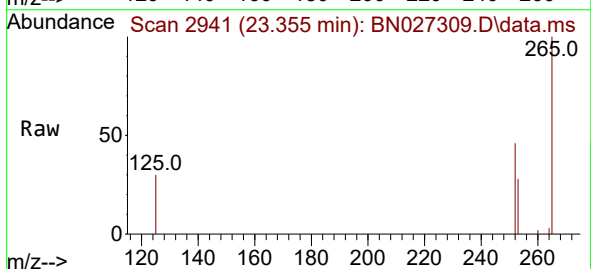
Tgt Ion:252 Resp: 1481

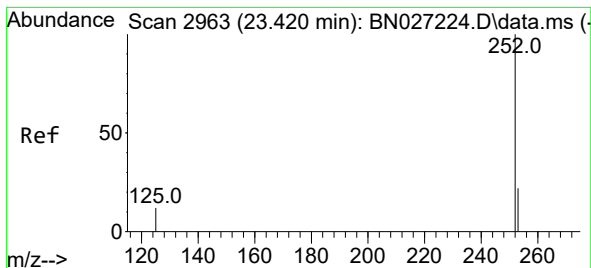
Ion Ratio Lower Upper

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# 29

Delta R.T. -0.015 min

Lab File: BN027309.D

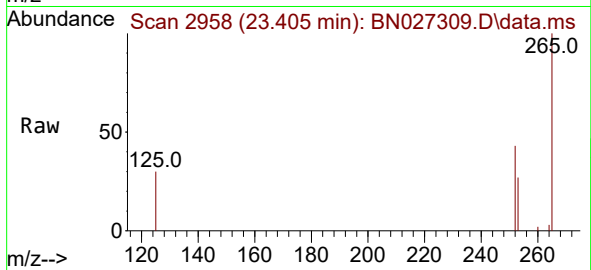
Acq: 31 Aug 2023 14:29

Instrument :

BNA_N

ClientSampleId :

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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#

