

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
 Data File : BF134694.D
 Acq On : 09 Aug 2023 17:23
 Operator : CG\JU
 Sample : 03939-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ORA-1748-1719-1750-1751-1752-1753-1754

Quant Time: Aug 10 01:41:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

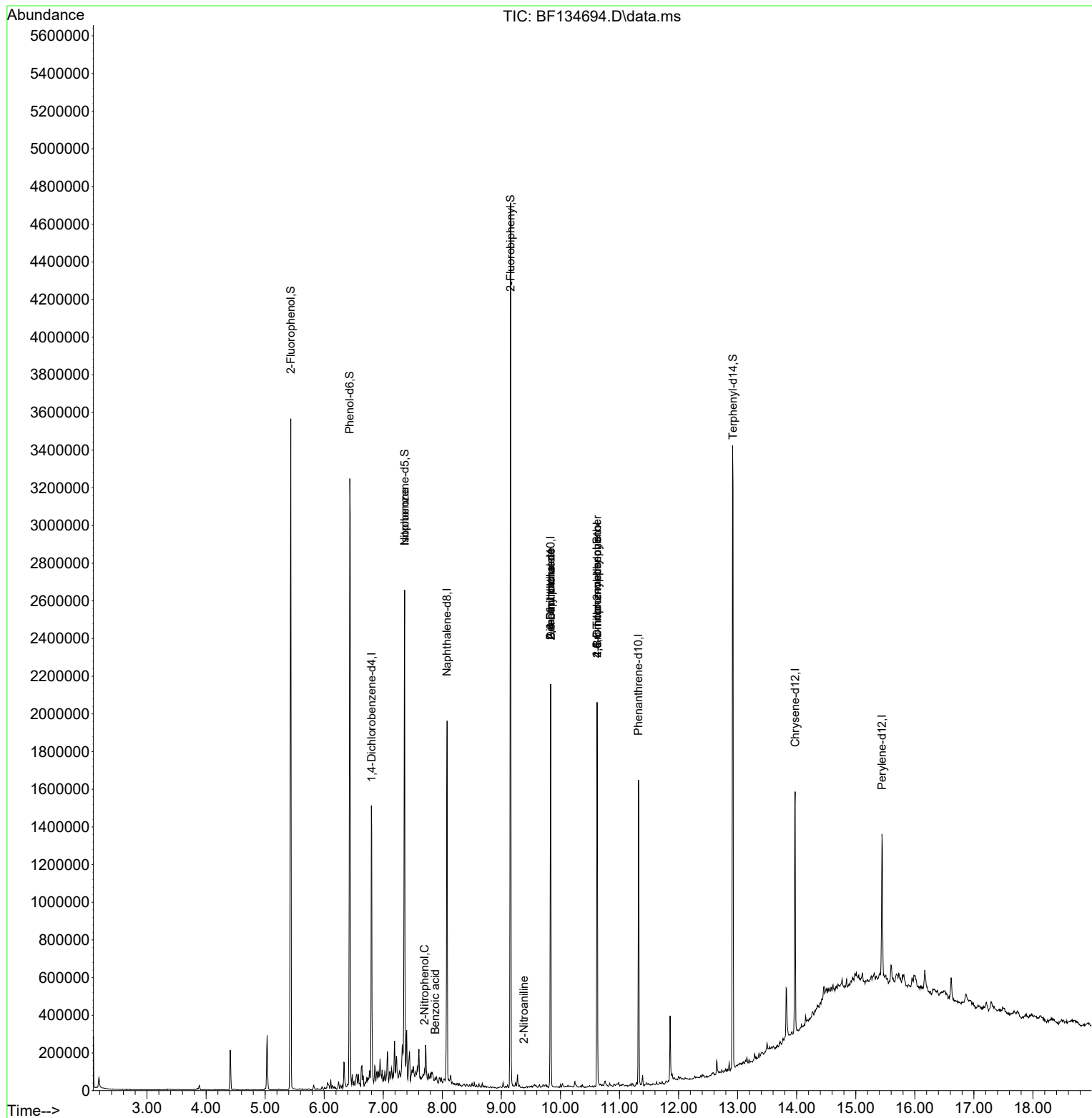
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	207214	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	817413	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	380653	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	584202	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	445497	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	370237	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	943144	69.188	ng	0.00
7) Phenol-d6	6.434	99	1285866	73.793	ng	0.00
23) Nitrobenzene-d5	7.363	82	794500	60.741	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	242855	62.585	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1391646	60.787	ng	0.00
79) Terphenyl-d14	12.921	244	1218793	48.229	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	948	Below Cal	#	76
25) Isophorone	7.363	82	779942	27.338	ng	# 65
26) 2-Nitrophenol	7.698	139	844	4.919	ng	# 1
32) Benzoic acid	7.881	122	411	7.908	ng	# 18
48) 2-Nitroaniline	9.380	65	280	3.204	ng	# 8
50) Dimethylphthalate	9.833	163	82163	3.167	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	49913	11.397	ng	# 17
57) 2,4-Dinitrotoluene	9.833	165	49913	10.163	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.622	198	607	8.909	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	15075	2.357	ng	# 1

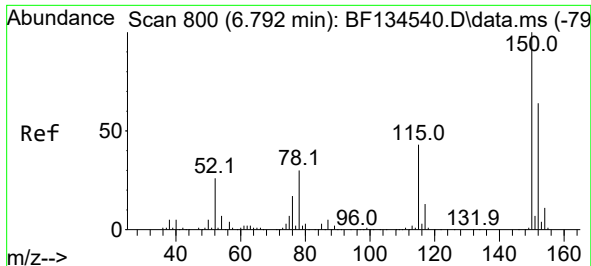
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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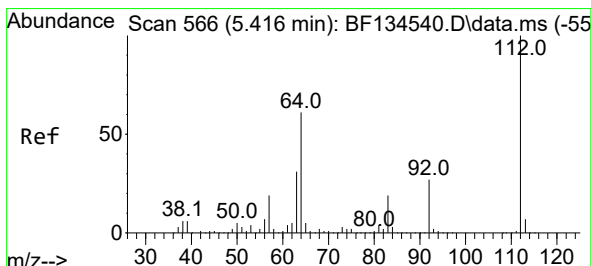
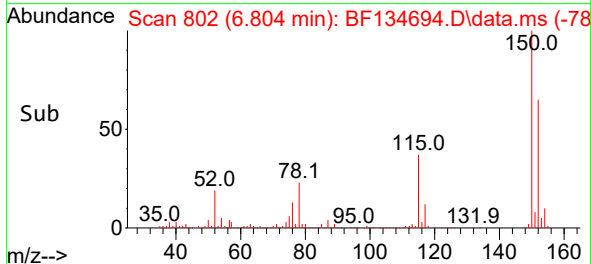
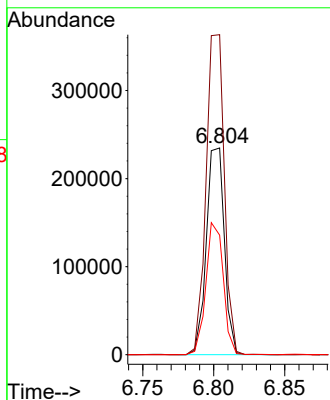
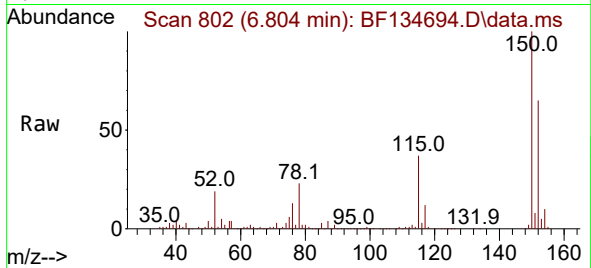




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 800
Delta R.T. 0.006 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

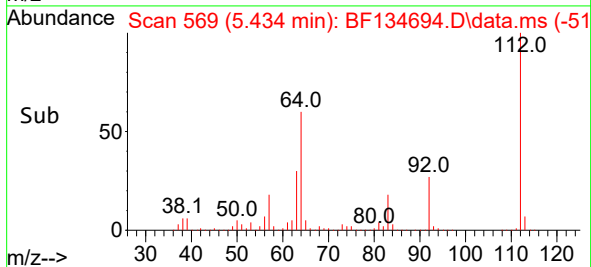
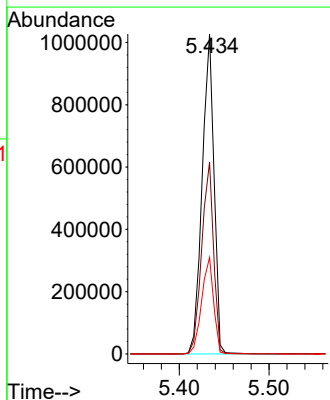
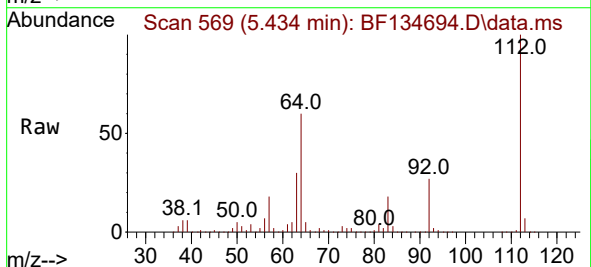
Instrument :
BNA_F
ClientSampleId :
ORA-1748-1719-1750-1751-1752-1753-1754

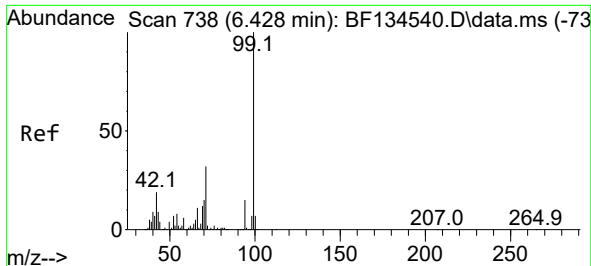
Tgt Ion:152 Resp: 207214
Ion Ratio Lower Upper
152 100
150 154.8 128.3 192.5
115 57.9 52.4 78.6



#5
2-Fluorophenol
Concen: 69.188 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

Tgt Ion:112 Resp: 943144
Ion Ratio Lower Upper
112 100
64 60.0 44.9 67.3
63 30.2 25.4 38.0

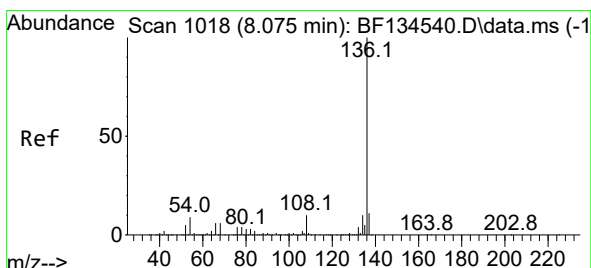
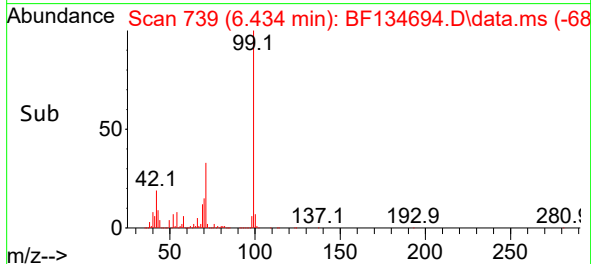
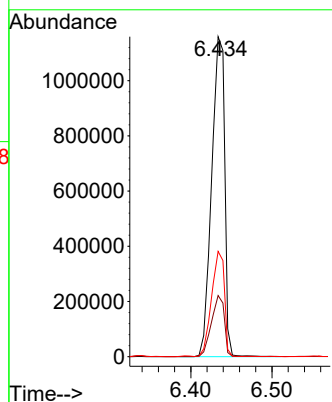
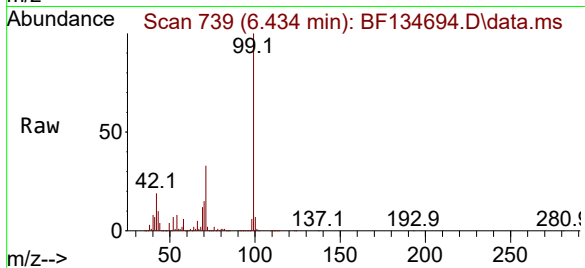




#7
Phenol-d6
Concen: 73.793 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

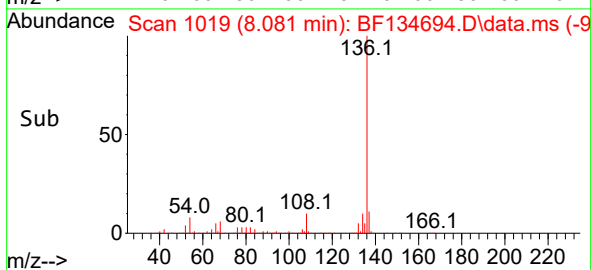
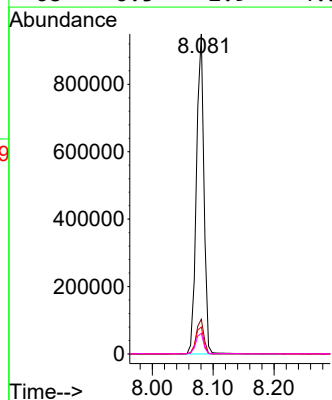
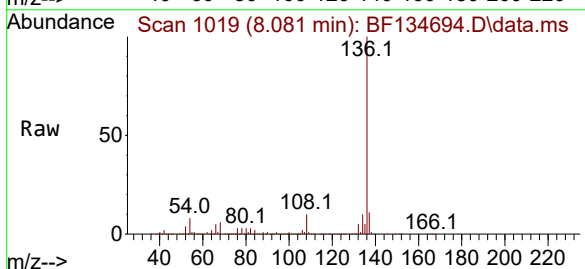
Instrument :
BNA_F
ClientSampleId :
ORA-1748-1719-1750-1751-1752-1753-1754

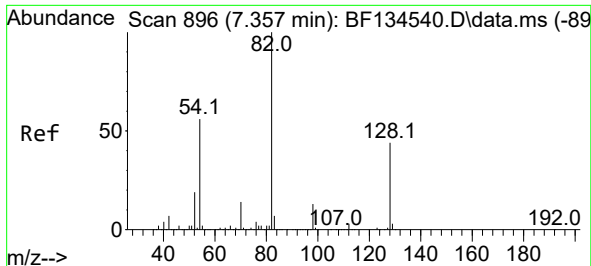
Tgt Ion: 99 Resp: 1285866
Ion Ratio Lower Upper
99 100
42 19.1 18.7 28.1
71 32.9 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

Tgt Ion: 136 Resp: 817413
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.4 5.2 7.8#
68 6.5 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 60.741 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF134694.D

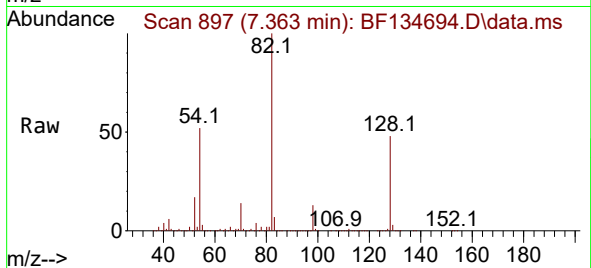
Acq: 09 Aug 2023 17:23

Instrument :

BNA_F

ClientSampleId :

ORA-1748-1719-1750-1751-1752-1753-1754



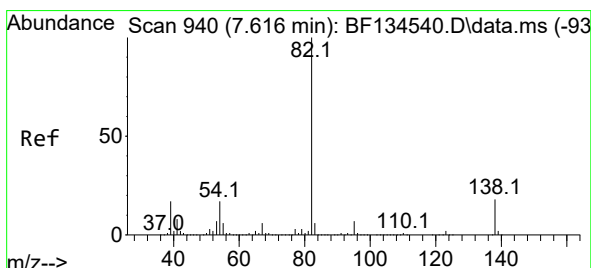
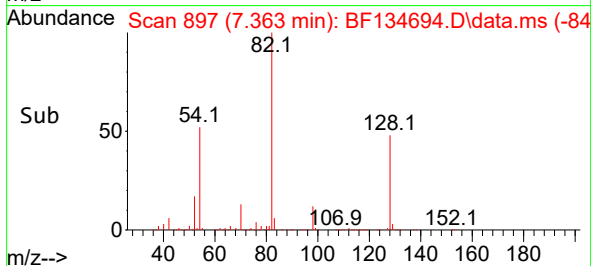
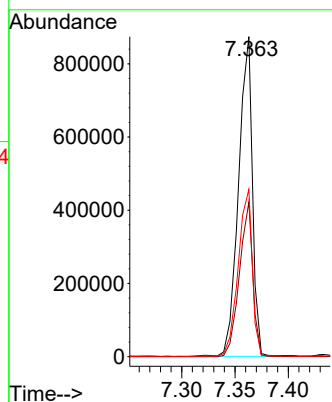
Tgt Ion: 82 Resp: 794500

Ion Ratio Lower Upper

82 100

128 48.3 34.3 51.5

54 52.3 43.8 65.6



#25

Isophorone

Concen: 27.338 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.265 min

Lab File: BF134694.D

Acq: 09 Aug 2023 17:23

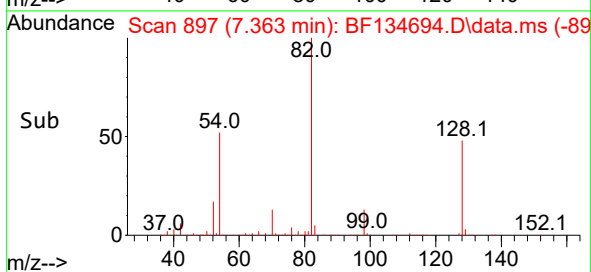
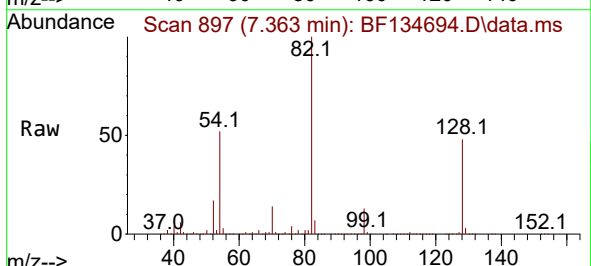
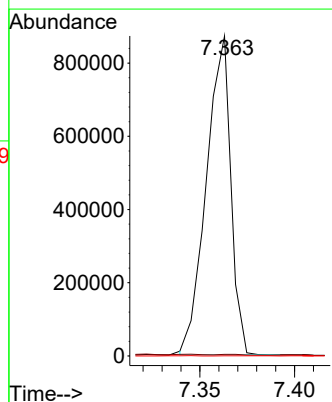
Tgt Ion: 82 Resp: 779942

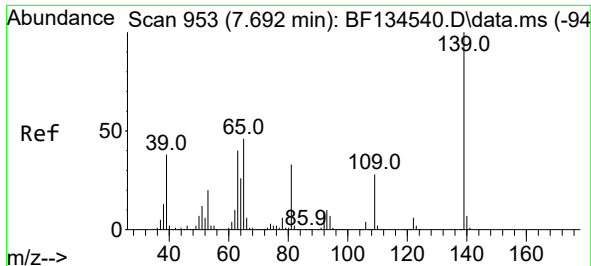
Ion Ratio Lower Upper

82 100

95 0.5 6.0 9.0#

138 0.0 14.6 22.0#

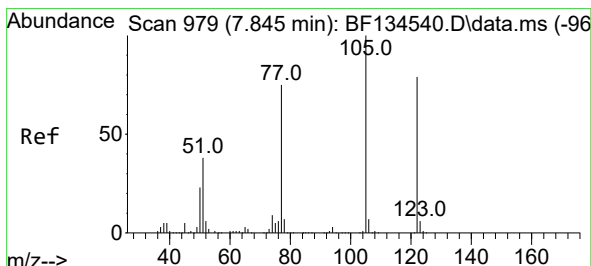
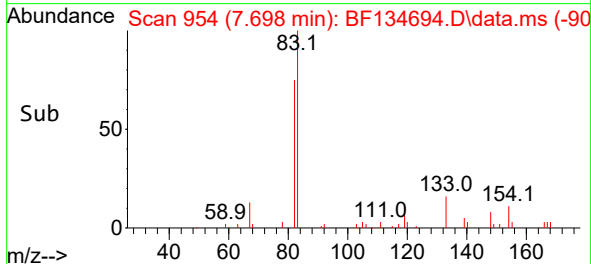
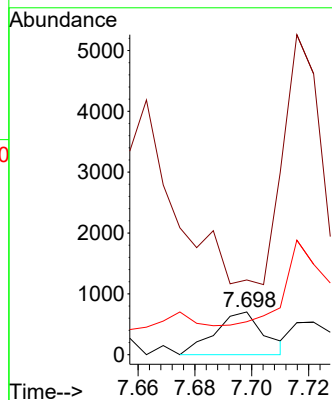
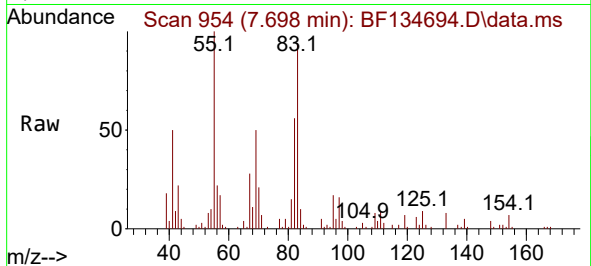




#26
2-Nitrophenol
Concen: 4.919 ng
RT: 7.698 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

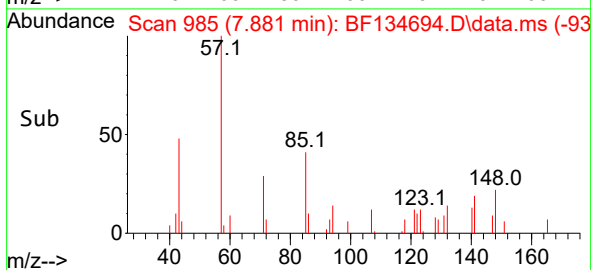
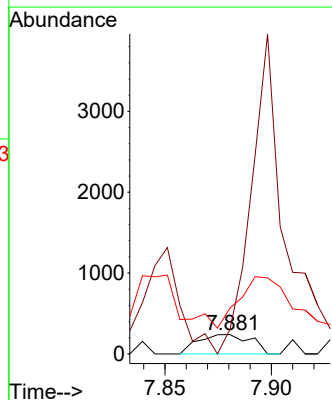
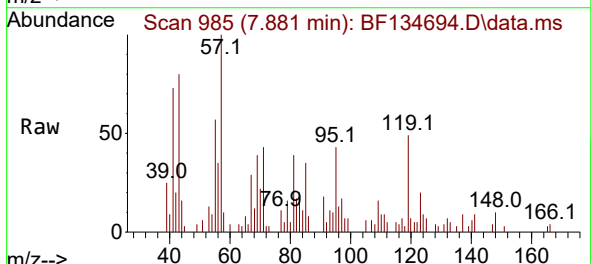
Instrument :
BNA_F
ClientSampleId :
ORA-1748-1719-1750-1751-1752-1753-1754

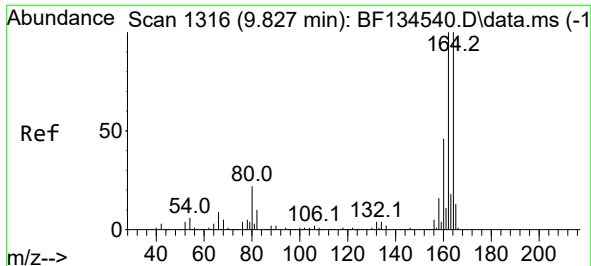
Tgt Ion:139 Resp: 844
Ion Ratio Lower Upper
139 100
109 175.2 29.8 44.6#
65 77.2 45.4 68.2#



#32
Benzoic acid
Concen: 7.908 ng
RT: 7.881 min Scan# 985
Delta R.T. 0.018 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

Tgt Ion:122 Resp: 411
Ion Ratio Lower Upper
122 100
105 128.8 87.5 127.5#
77 237.5 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134694.D

Acq: 09 Aug 2023 17:23

Instrument :

BNA_F

ClientSampleId :

ORA-1748-1719-1750-1751-1752-1753-1754

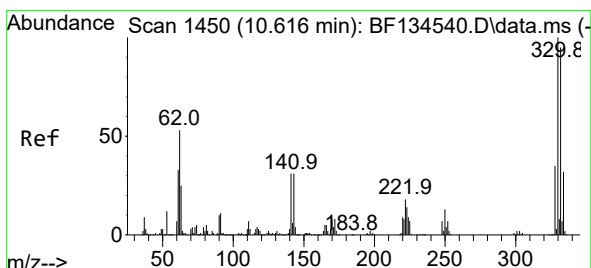
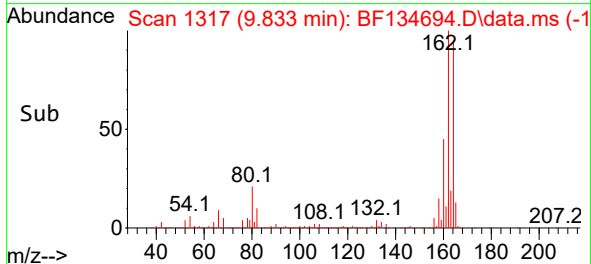
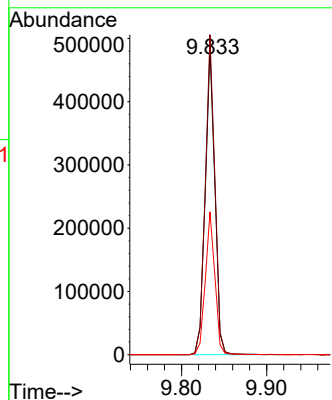
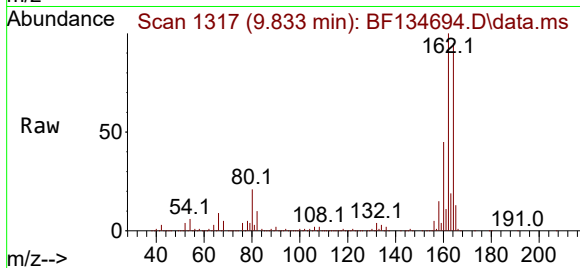
Tgt Ion:164 Resp: 380653

Ion Ratio Lower Upper

164 100

162 104.7 82.6 123.8

160 46.7 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 62.585 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134694.D

Acq: 09 Aug 2023 17:23

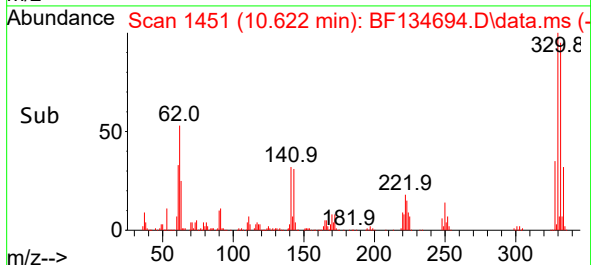
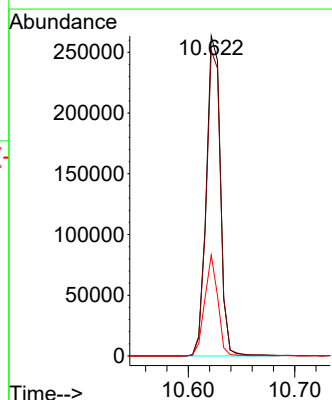
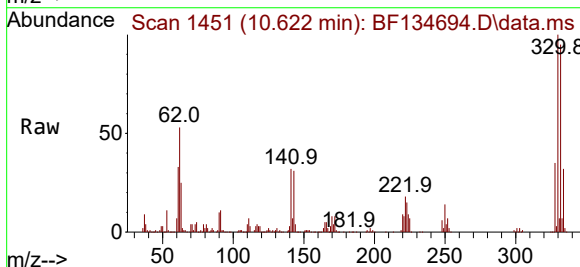
Tgt Ion:330 Resp: 242855

Ion Ratio Lower Upper

330 100

332 97.0 78.8 118.2

141 29.3 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 60.787 ng

RT: 9.157 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134694.D

Acq: 09 Aug 2023 17:23

Instrument :

BNA_F

ClientSampleId :

ORA-1748-1719-1750-1751-1752-1753-1754

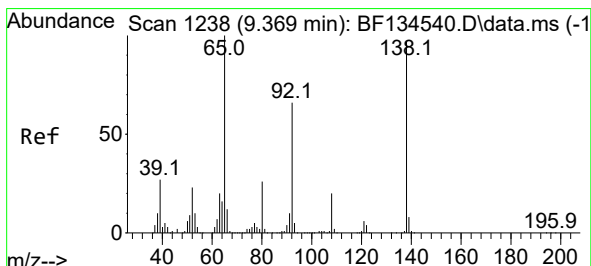
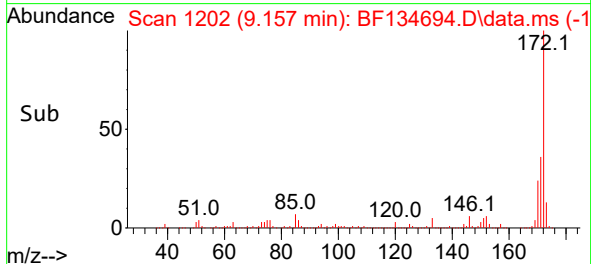
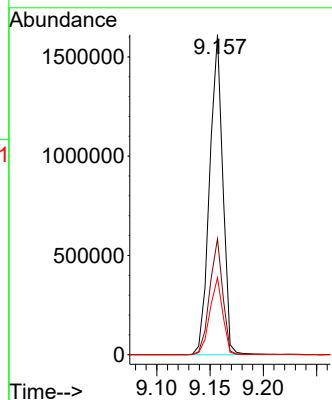
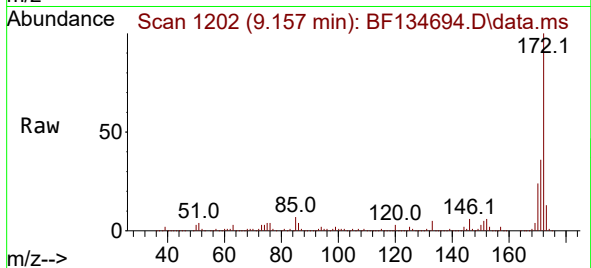
Tgt Ion:172 Resp: 1391646

Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 24.1 18.7 28.1



#48

2-Nitroaniline

Concen: 3.204 ng

RT: 9.380 min Scan# 1240

Delta R.T. 0.000 min

Lab File: BF134694.D

Acq: 09 Aug 2023 17:23

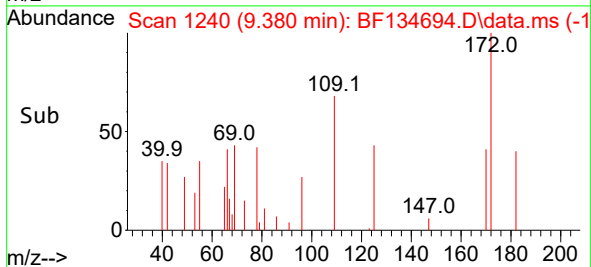
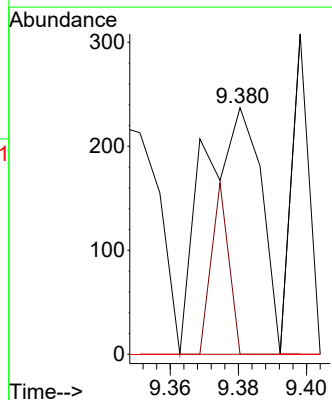
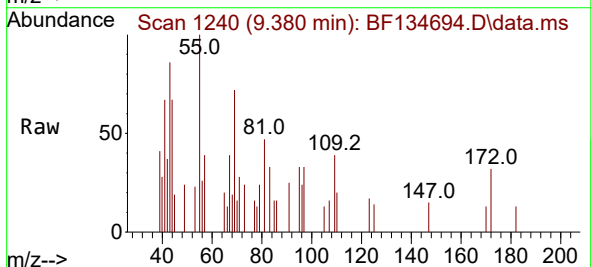
Tgt Ion: 65 Resp: 280

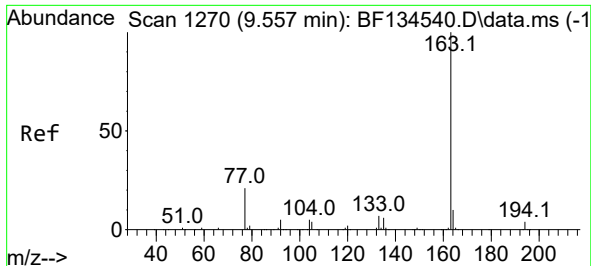
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

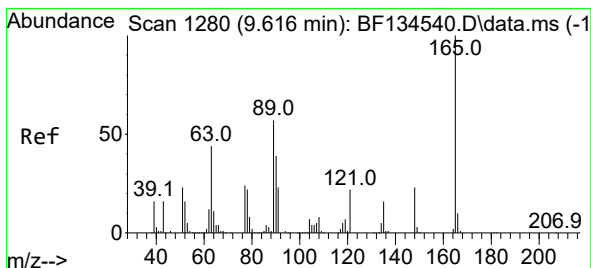
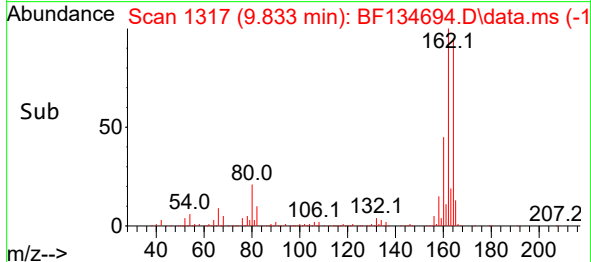
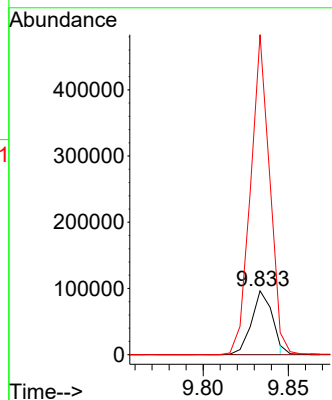
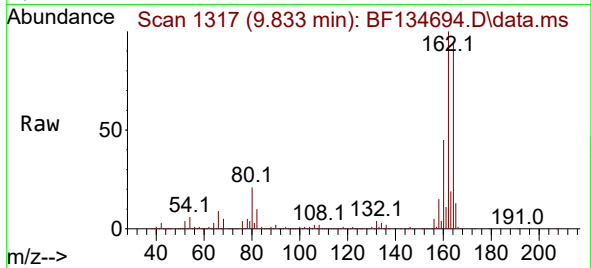




#50
Dimethylphthalate
Concen: 3.167 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

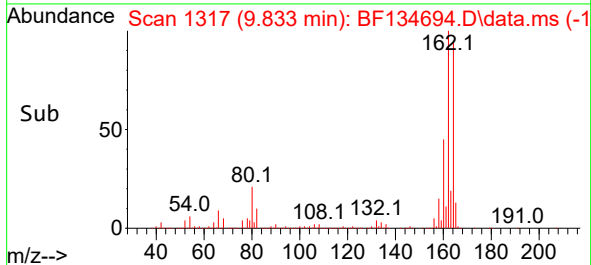
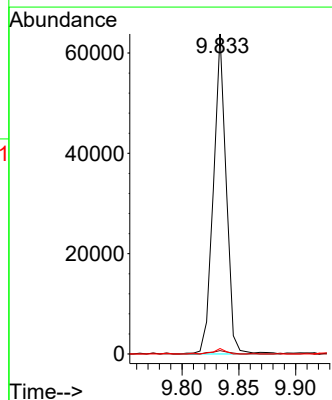
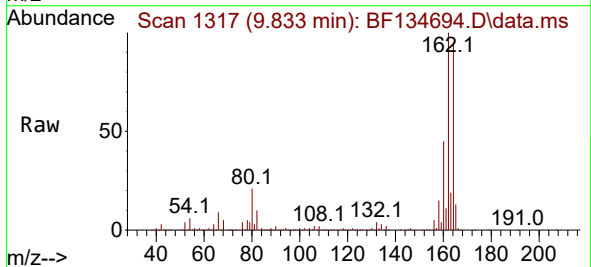
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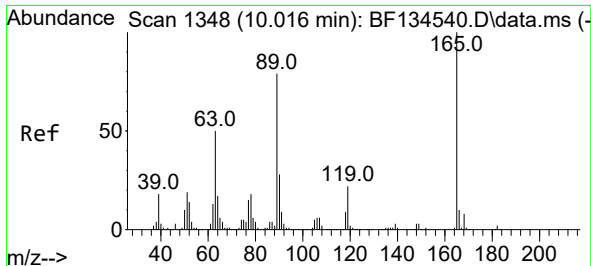
Tgt Ion:163 Resp: 82163
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 500.6 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.397 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

Tgt Ion:165 Resp: 49913
Ion Ratio Lower Upper
165 100
63 1.0 57.8 86.6#
89 1.7 51.8 77.8#

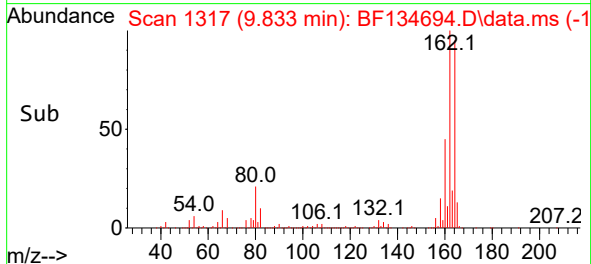
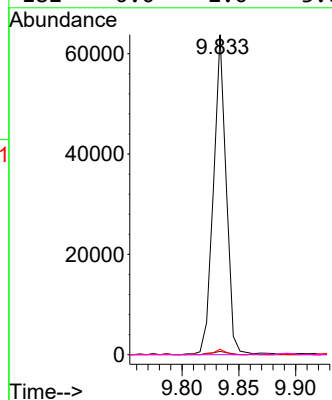
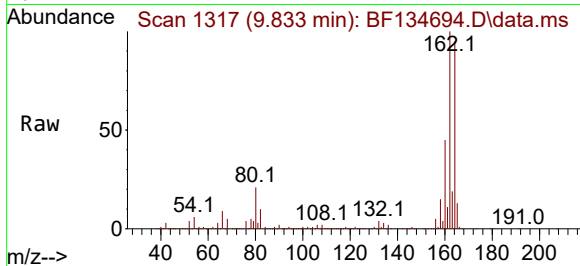




#57
2,4-Dinitrotoluene
Concen: 10.163 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

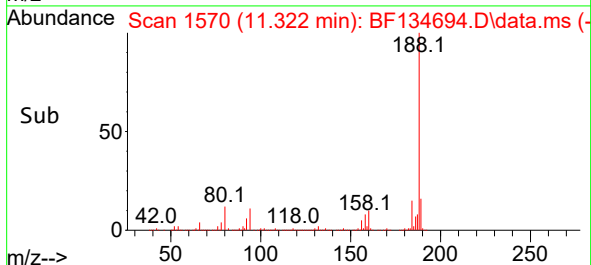
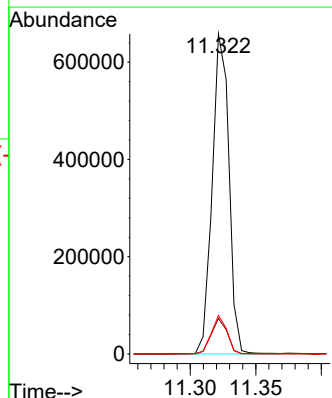
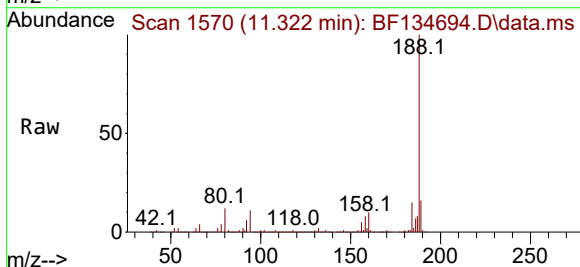
Instrument :
BNA_F
ClientSampleId :
ORA-1748-1719-1750-1751-1752-1753-1754

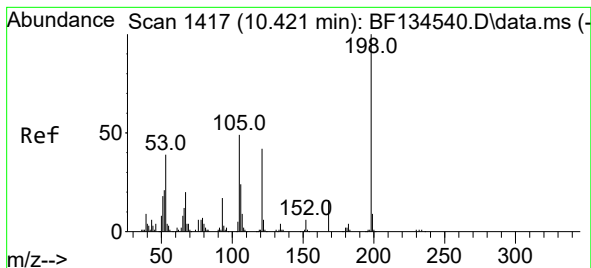
Tgt Ion:165 Resp: 49913
Ion Ratio Lower Upper
165 100
63 1.0 48.9 73.3#
89 1.7 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

Tgt Ion:188 Resp: 584202
Ion Ratio Lower Upper
188 100
94 11.1 5.1 7.7#
80 12.1 6.6 9.8#

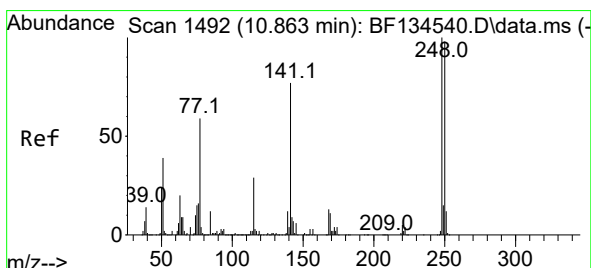
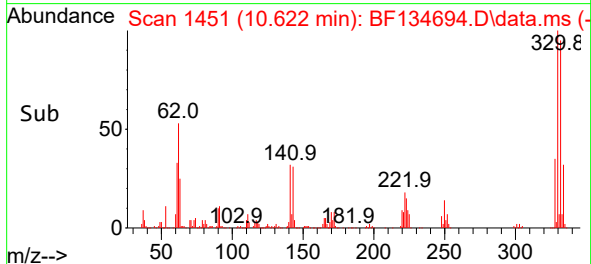
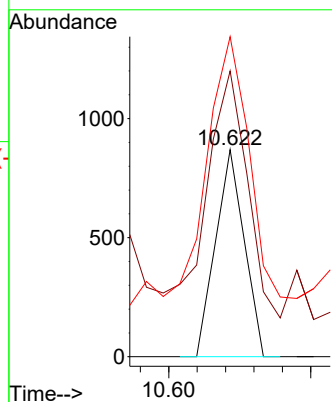
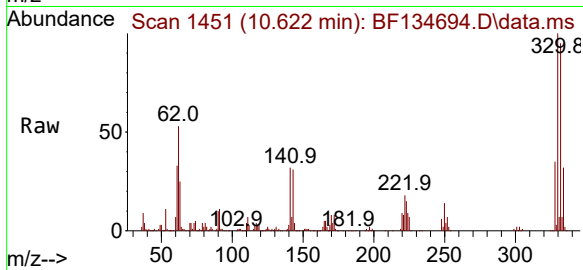




#65
4,6-Dinitro-2-methylphenol
Concen: 8.909 ng
RT: 10.622 min Scan# 1417
Delta R.T. 0.182 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

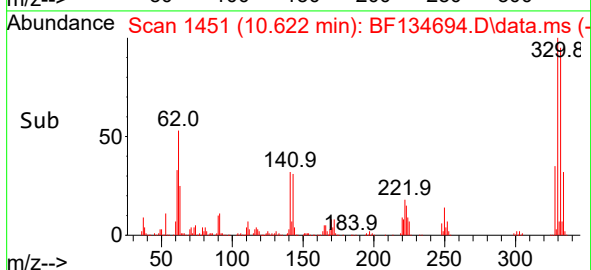
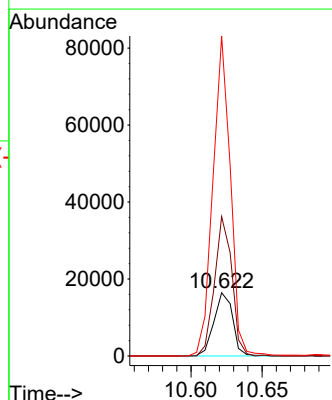
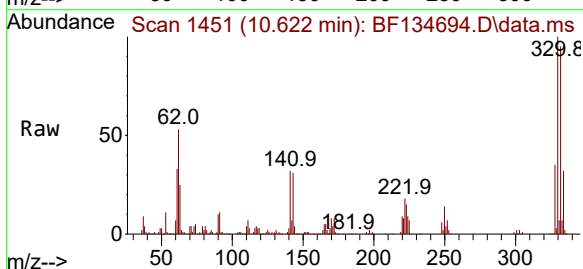
Instrument :
BNA_F
ClientSampleId :
ORA-1748-1719-1750-1751-1752-1753-1754

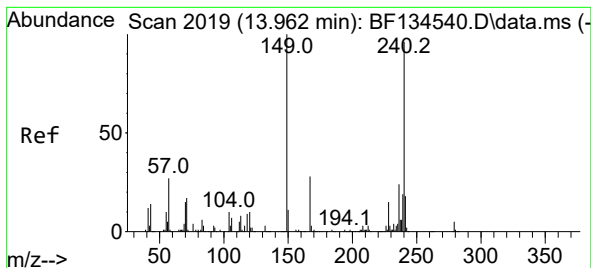
Tgt Ion:198 Resp: 607
Ion Ratio Lower Upper
198 100
51 137.9 38.6 78.6#
105 154.5 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.357 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

Tgt Ion:248 Resp: 15075
Ion Ratio Lower Upper
248 100
250 220.3 79.6 119.4#
141 506.0 59.6 89.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134694.D

Acq: 09 Aug 2023 17:23

Instrument :

BNA_F

ClientSampleId :

ORA-1748-1719-1750-1751-1752-1753-1754

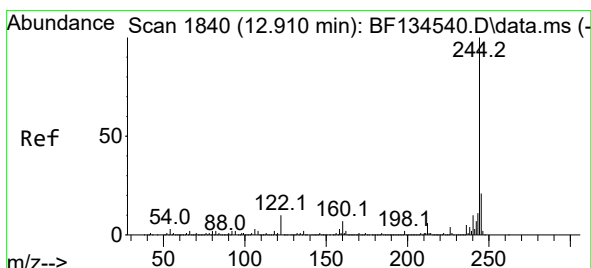
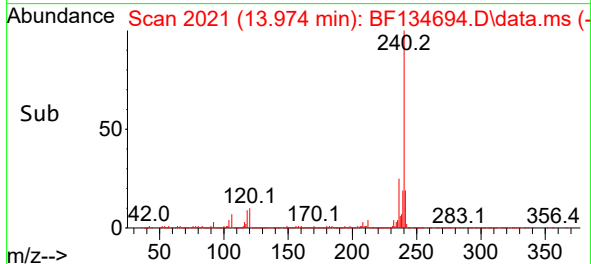
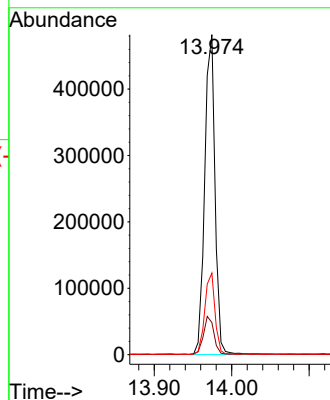
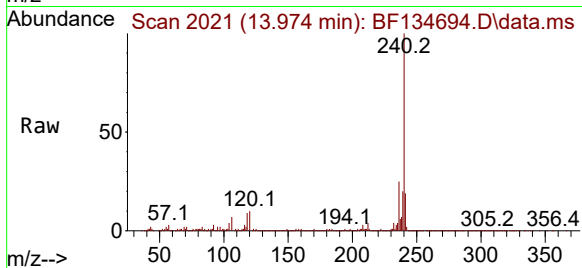
Tgt Ion:240 Resp: 445497

Ion Ratio Lower Upper

240 100

120 10.0 6.6 10.0#

236 25.5 20.2 30.2



#79

Terphenyl-d14

Concen: 48.229 ng

RT: 12.921 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BF134694.D

Acq: 09 Aug 2023 17:23

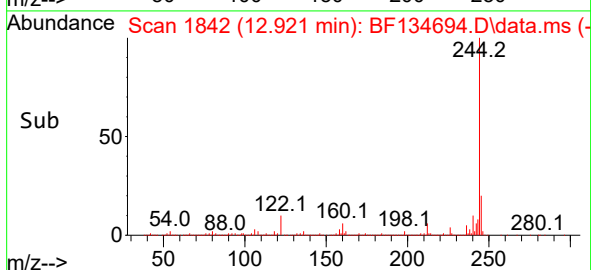
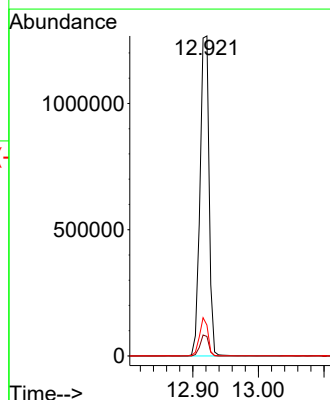
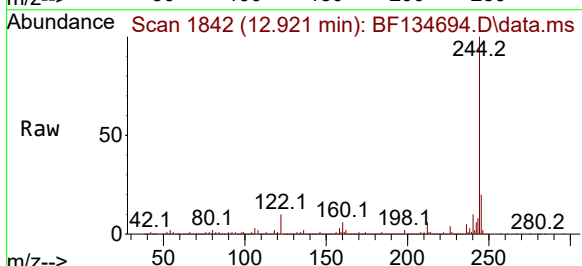
Tgt Ion:244 Resp: 1218793

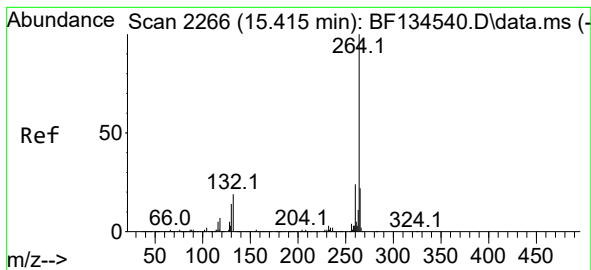
Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

122 9.6 8.0 12.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF134694.D
Acq: 09 Aug 2023 17:23

Instrument :
BNA_F
ClientSampleId :
ORA-1748-1719-1750-1751-1752-1753-1754

Tgt Ion:264 Resp: 370237

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.4	27.6
265	22.1	15.8	23.8

