

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080624\
 Data File : BF138831.D
 Acq On : 07 Aug 2024 04:11
 Operator : RC/JU
 Sample : P3414-03DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-07312024-BDL

Quant Time: Aug 07 04:47:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

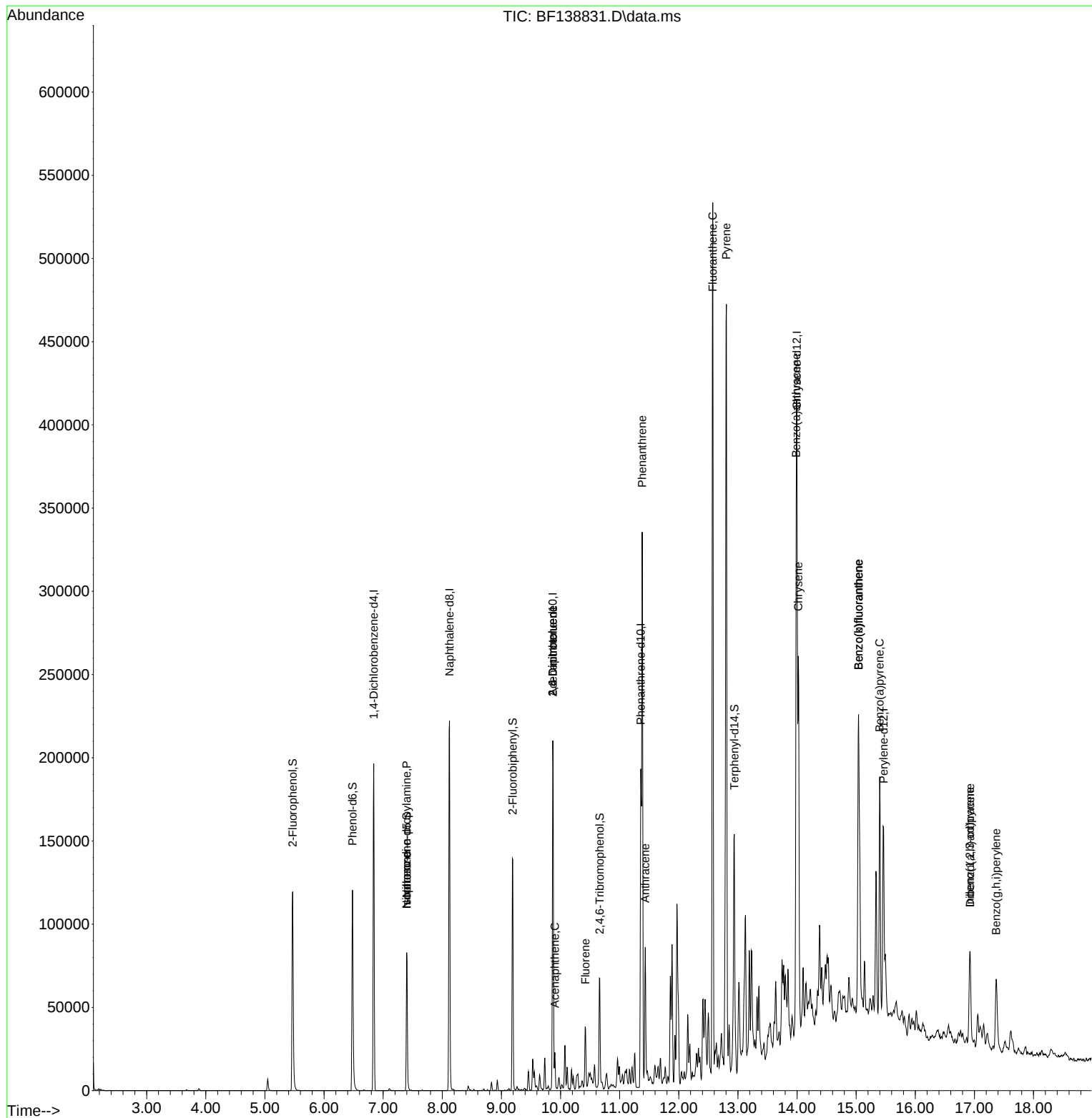
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	38015	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	135519	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	59237	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	94593	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	79612	20.000	ng	0.00
86) Perylene-d12	15.463	264	62068	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	44494	18.067	ng	0.00
7) Phenol-d6	6.481	99	56321	17.034	ng	0.00
23) Nitrobenzene-d5	7.398	82	36182	13.053	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	7643	15.751	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	59961	15.209	ng	-0.01
79) Terphenyl-d14	12.939	244	62667	13.179	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	4736	2.372	ng	# 78
25) Isophorone	7.398	82	36181	7.644	ng	# 66
51) 2,6-Dinitrotoluene	9.869	165	7996	9.354	ng	# 19
52) Acenaphthene	9.904	154	6717	2.042	ng	98
57) 2,4-Dinitrotoluene	9.869	165	7996	7.332	ng	# 16
58) Fluorene	10.422	166	14246	3.852	ng	# 92
71) Phenanthrene	11.380	178	168388	34.571	ng	99
72) Anthracene	11.433	178	46287	9.646	ng	99
75) Fluoranthene	12.575	202	281516	61.910	ng	98
78) Pyrene	12.804	202	264264	35.255	ng	99
81) Benzo(a)anthracene	13.986	228	138675	25.295	ng	96
83) Chrysene	14.021	228	112346	22.714	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	36873	8.290	ng	# 93
88) Benzo(b)fluoranthene	15.039	252	147377	38.304	ng	99
89) Benzo(k)fluoranthene	15.039	252	147377	44.240	ng	99
90) Benzo(a)pyrene	15.398	252	78518	24.261	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	9876	2.705	ng	94
92) Benzo(g,h,i)perylene	17.368	276	35610	9.398	ng	97

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

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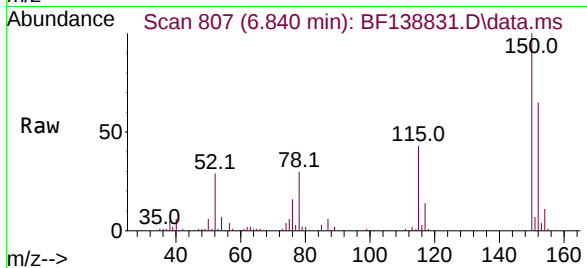
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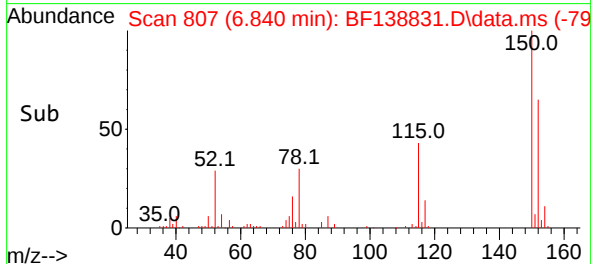
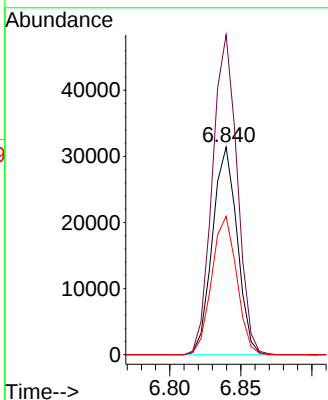


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-BDL

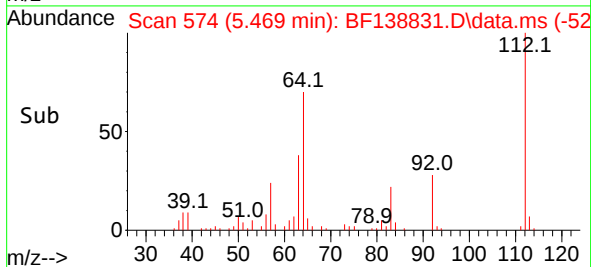
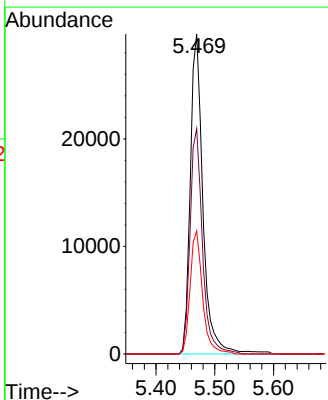
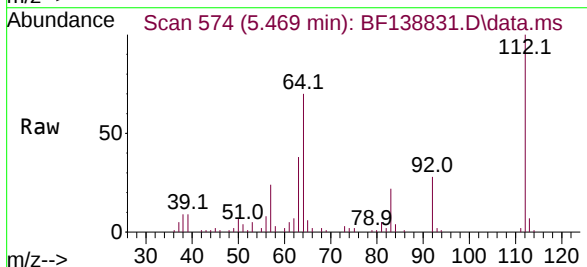


Tgt Ion:152 Resp: 38015
Ion Ratio Lower Upper
152 100
150 154.2 126.0 189.0
115 66.7 51.7 77.5



#5
2-Fluorophenol
Concen: 18.067 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

Tgt Ion:112 Resp: 44494
Ion Ratio Lower Upper
112 100
64 70.4 54.2 81.4
63 38.5 28.7 43.1

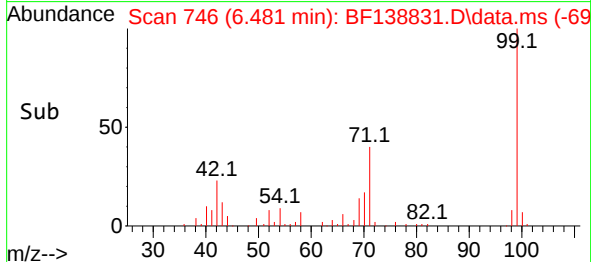
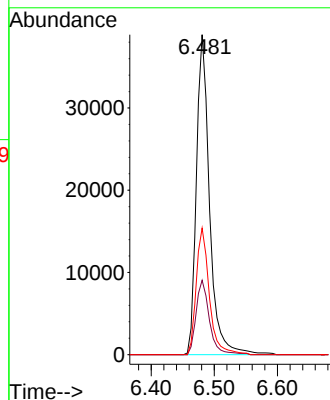
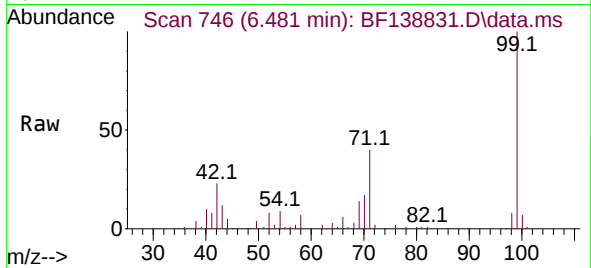




#7
Phenol-d6
Concen: 17.034 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

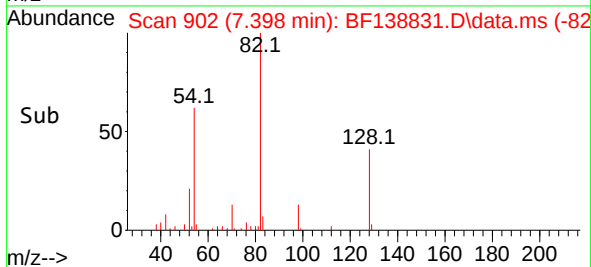
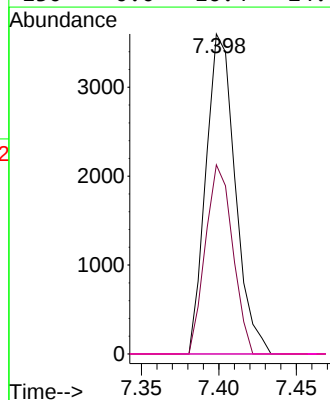
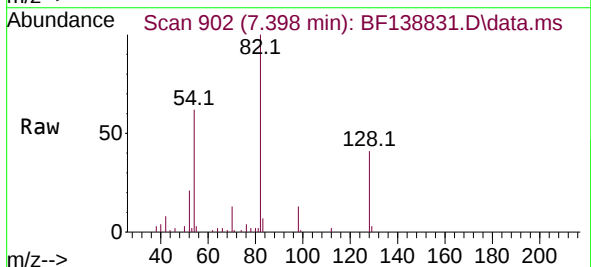
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-BDL

Tgt Ion: 99 Resp: 56321
Ion Ratio Lower Upper
99 100
42 23.3 17.4 26.0
71 39.5 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 2.372 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

Tgt Ion: 70 Resp: 4736
Ion Ratio Lower Upper
70 100
42 59.1 57.4 86.0
101 0.0 7.5 11.3#
130 0.0 16.4 24.6#

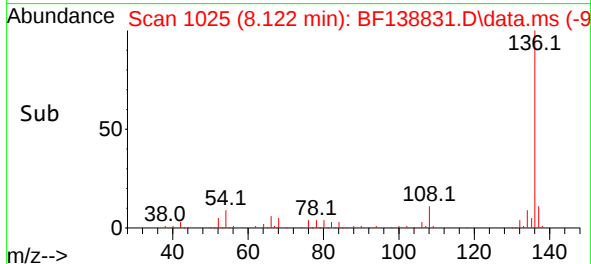
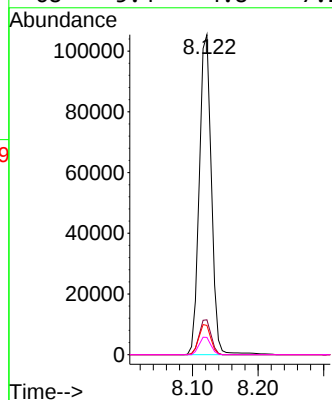
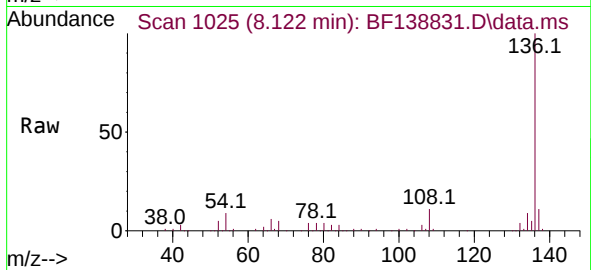




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

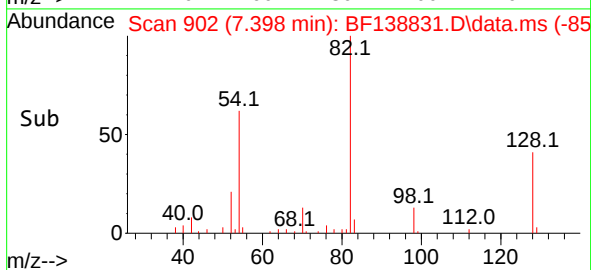
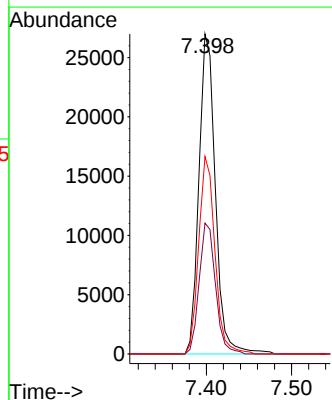
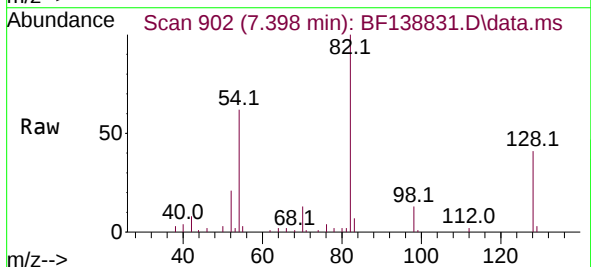
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-BDL

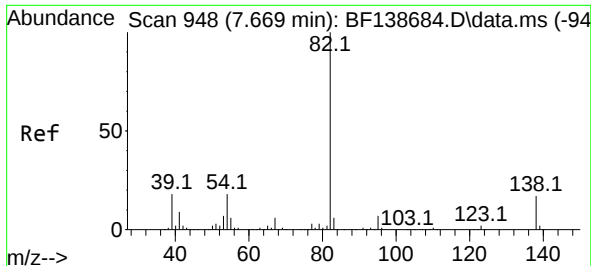
Tgt Ion:	136	Resp:	135519
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	8.6	12.8
68	5.4	4.8	7.2



#23
Nitrobenzene-d5
Concen: 13.053 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

Tgt Ion:	82	Resp:	36182
Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.8	49.2
54	61.7	48.3	72.5

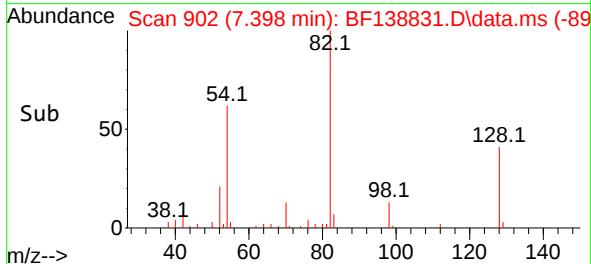
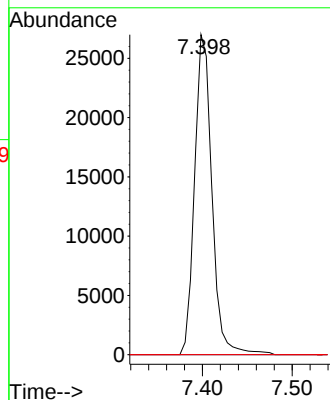
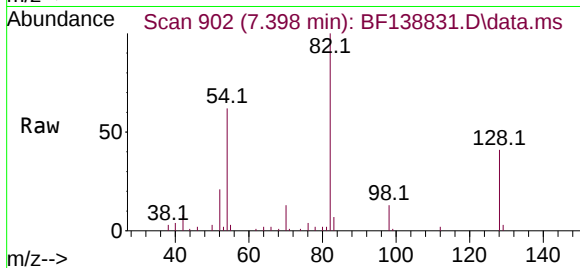




#25
Isophorone
Concen: 7.644 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

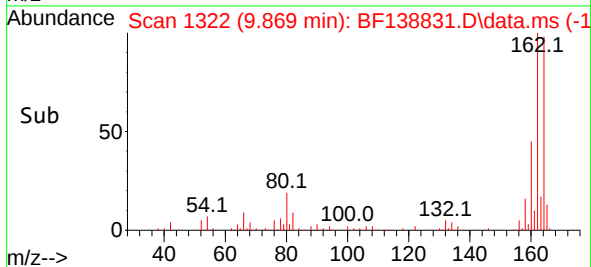
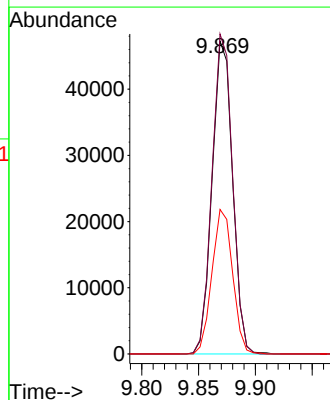
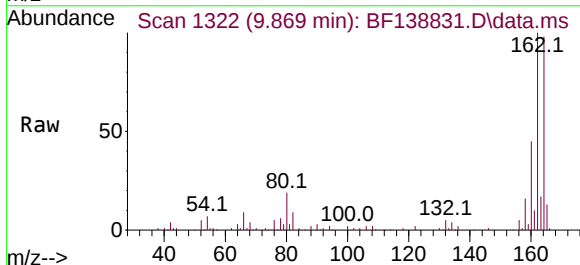
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-BDL

Tgt Ion: 82 Resp: 36181
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

Tgt Ion:164 Resp: 59237
Ion Ratio Lower Upper
164 100
162 102.3 79.4 119.0
160 46.2 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 15.751 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138831.D

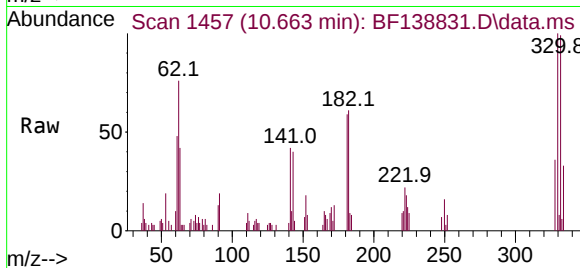
Acq: 07 Aug 2024 04:11

Instrument :

BNA_F

ClientSampleId :

PL-02-07312024-BDL



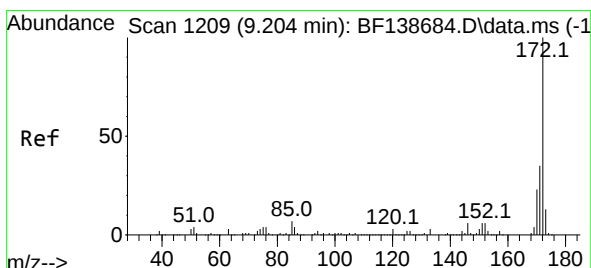
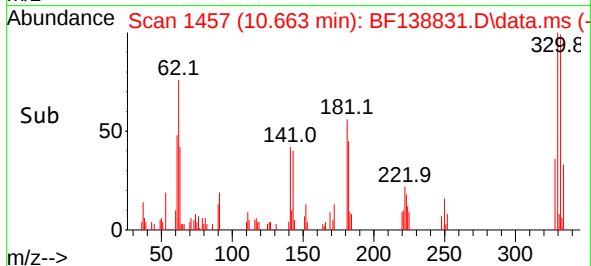
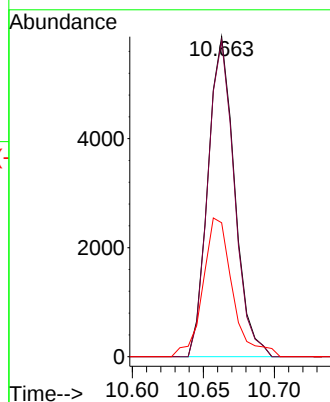
Tgt Ion:330 Resp: 7643

Ion Ratio Lower Upper

330 100

332 98.3 76.4 114.6

141 48.1 31.1 46.7#



#45

2-Fluorobiphenyl

Concen: 15.209 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138831.D

Acq: 07 Aug 2024 04:11

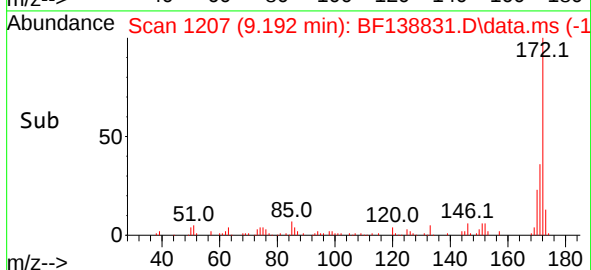
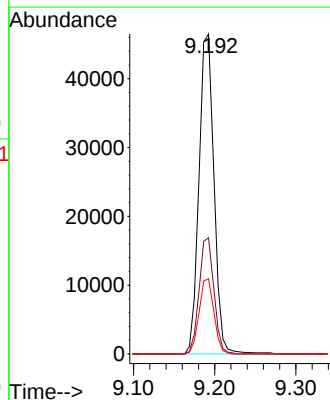
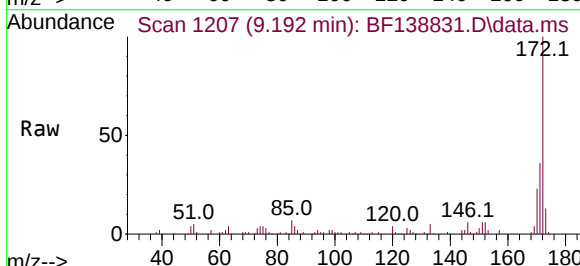
Tgt Ion:172 Resp: 59961

Ion Ratio Lower Upper

172 100

171 36.3 28.3 42.5

170 23.5 18.8 28.2

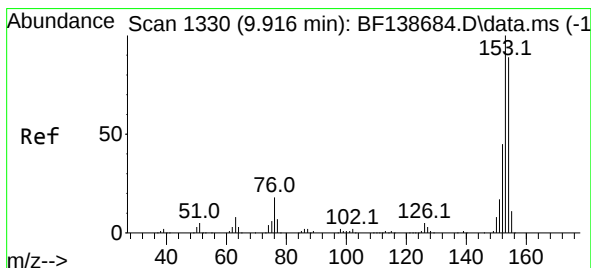
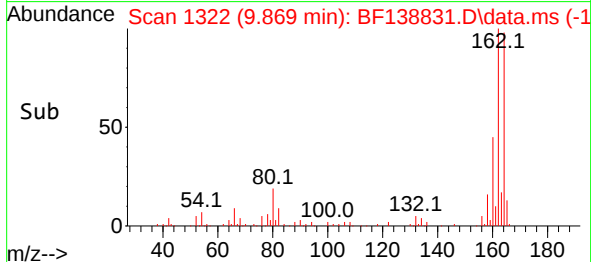
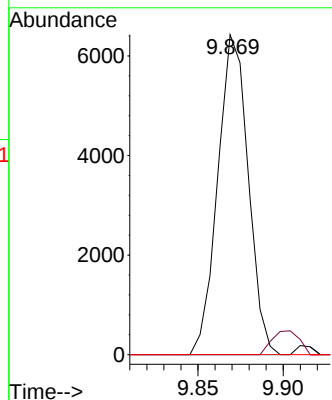
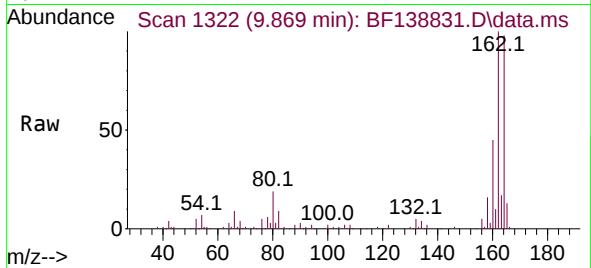




#51
2,6-Dinitrotoluene
Concen: 9.354 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

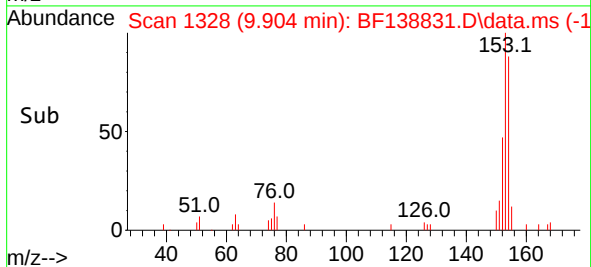
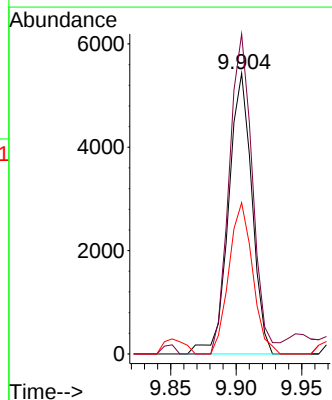
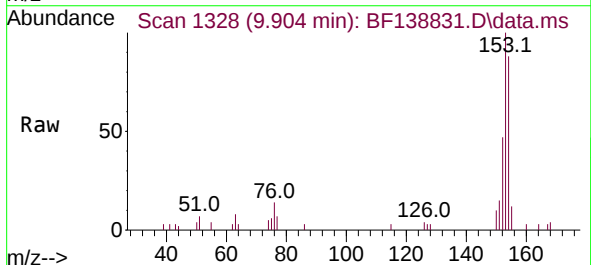
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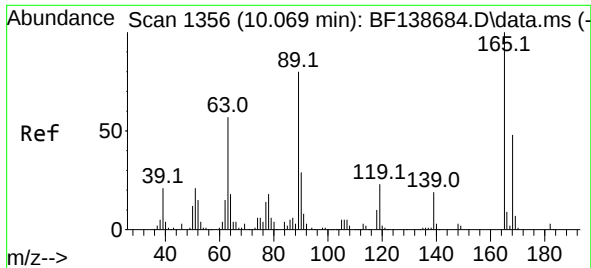
Tgt Ion:165 Resp: 7996
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#



#52
Acenaphthene
Concen: 2.042 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

Tgt Ion:154 Resp: 6717
Ion Ratio Lower Upper
154 100
153 114.0 89.9 134.9
152 53.9 40.6 60.8

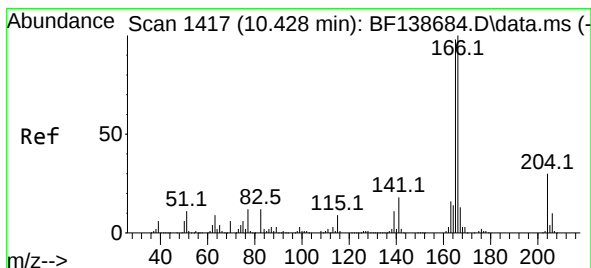
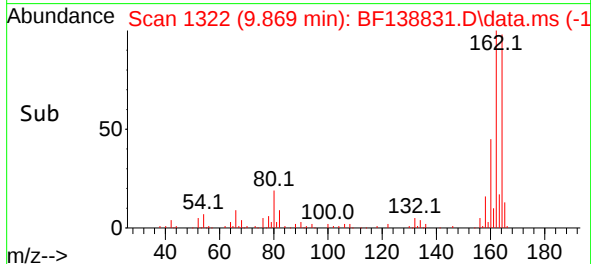
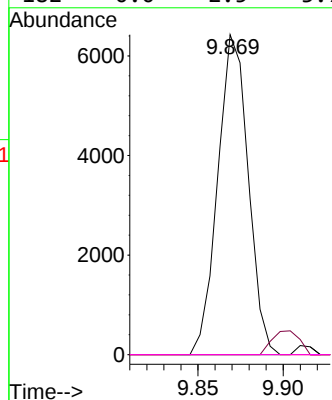
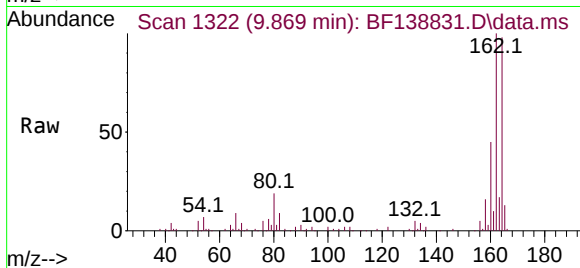




#57
2,4-Dinitrotoluene
Concen: 7.332 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

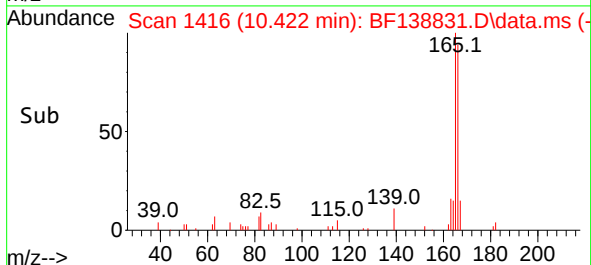
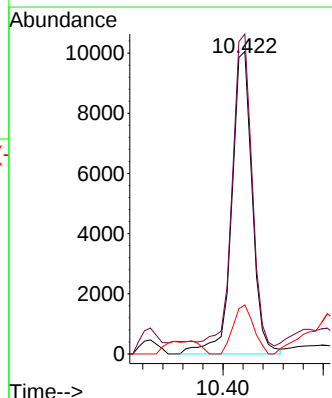
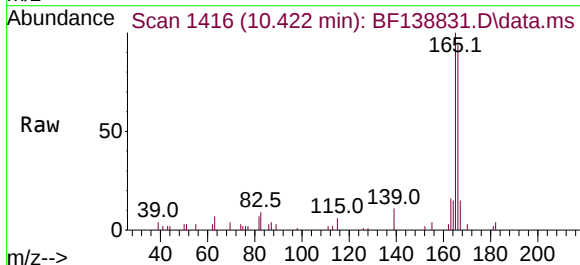
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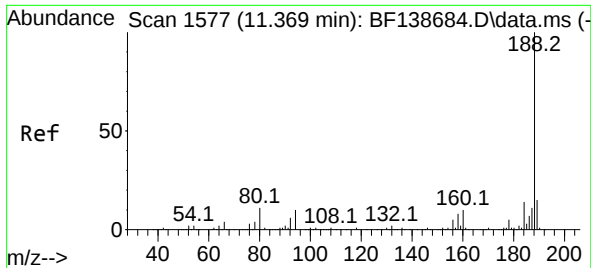
Tgt Ion:	165	Resp:	7996
Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.3	69.5#
89	0.0	64.2	96.4#
182	0.0	2.5	3.7#



#58
Fluorene
Concen: 3.852 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

Tgt Ion:	166	Resp:	14246
Ion	Ratio	Lower	Upper
166	100		
165	105.8	78.4	117.6
167	16.2	10.6	16.0#

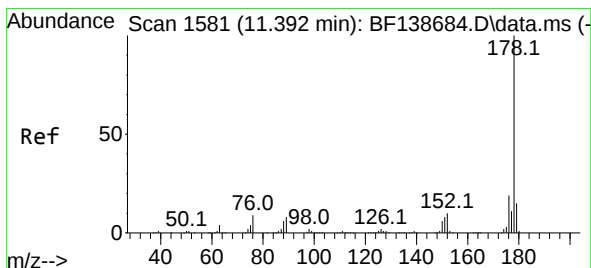
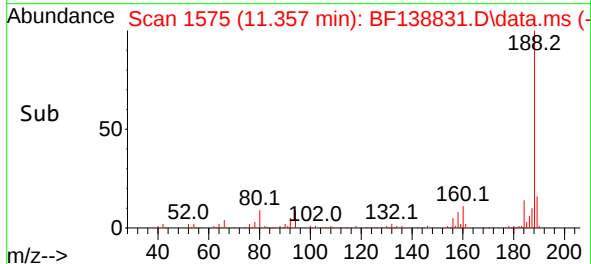
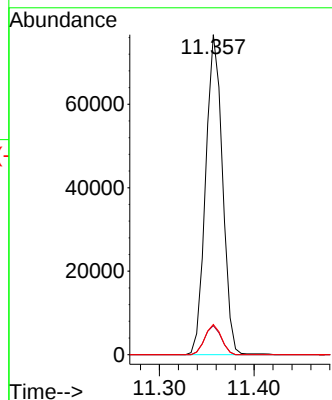
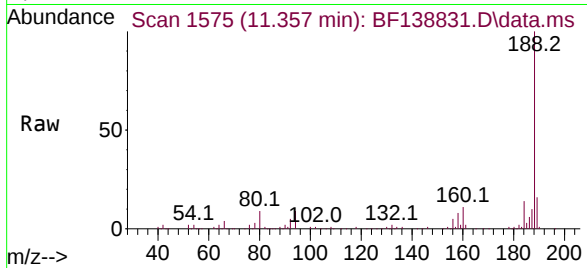




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

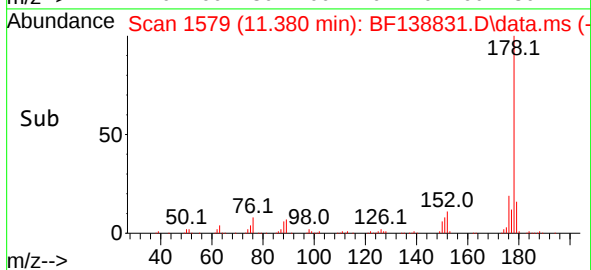
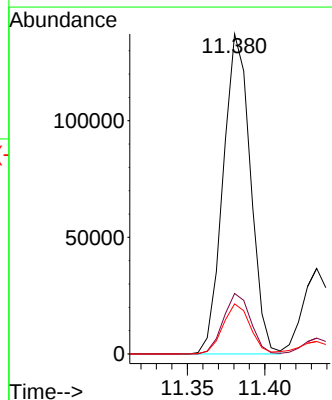
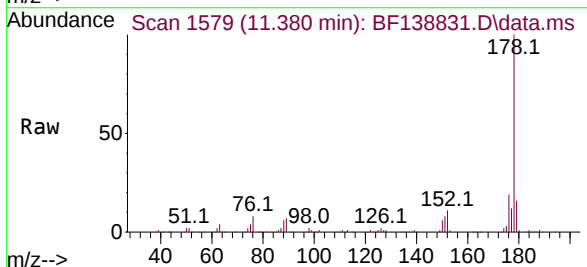
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ClientSampleId :
PL-02-07312024-BDL

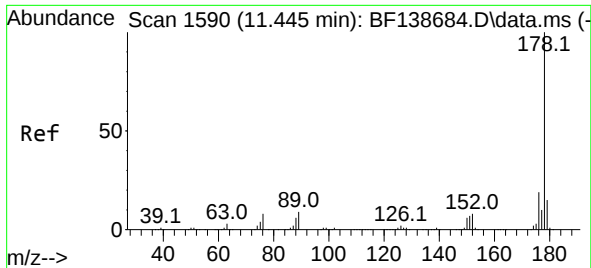
Tgt Ion:188 Resp: 94593
Ion Ratio Lower Upper
188 100
94 9.1 7.6 11.4
80 9.5 8.6 12.8



#71
Phenanthrene
Concen: 34.571 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

Tgt Ion:178 Resp: 168388
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.6 12.2 18.2

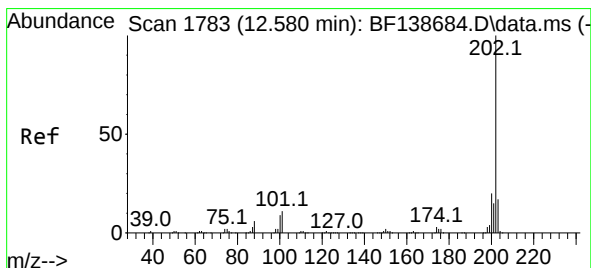
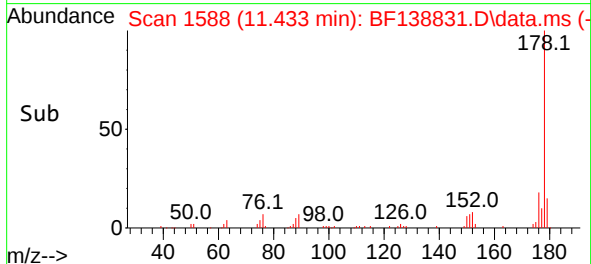
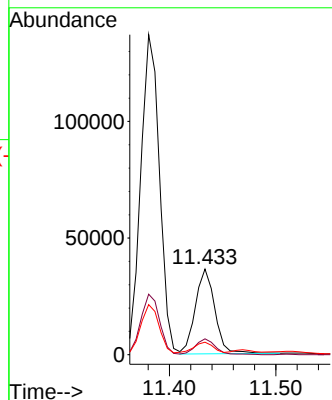
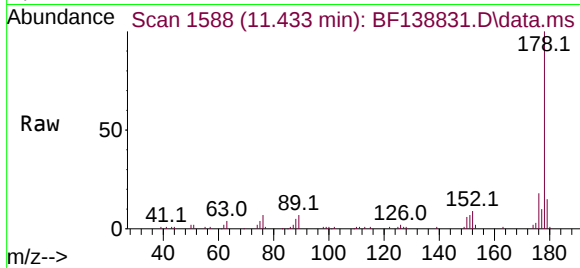




#72
Anthracene
Concen: 9.646 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

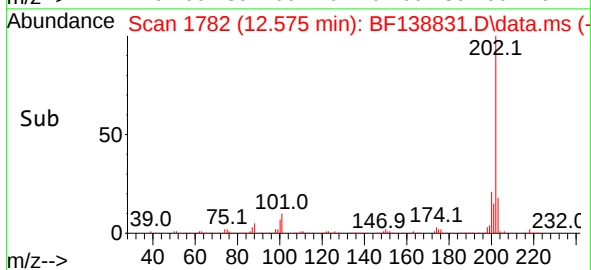
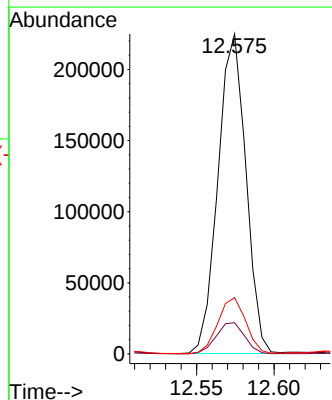
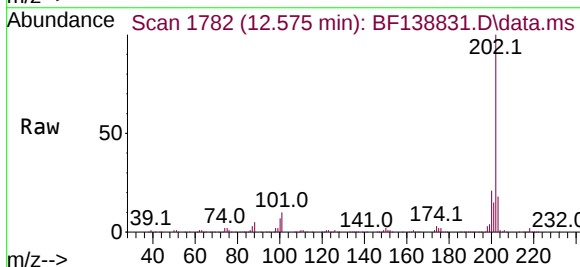
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-BDL

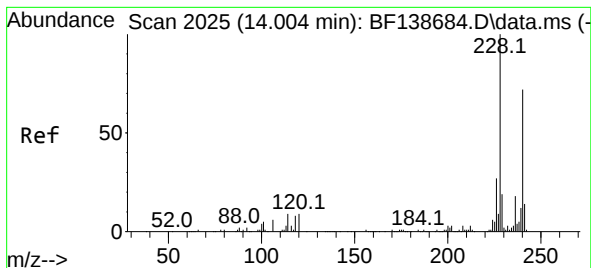
Tgt Ion:178 Resp: 46287
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 14.7 12.4 18.6



#75
Fluoranthene
Concen: 61.910 ng
RT: 12.575 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

Tgt Ion:202 Resp: 281516
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.2
203 17.6 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138831.D

Acq: 07 Aug 2024 04:11

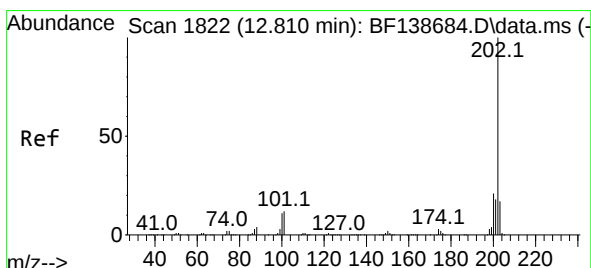
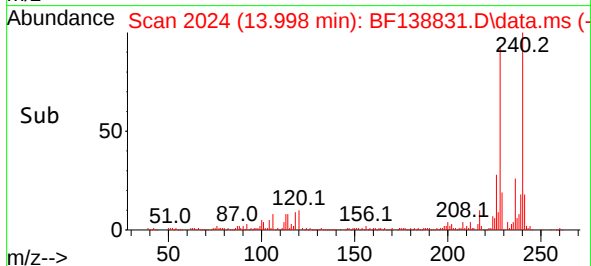
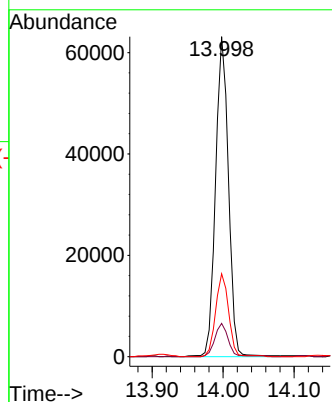
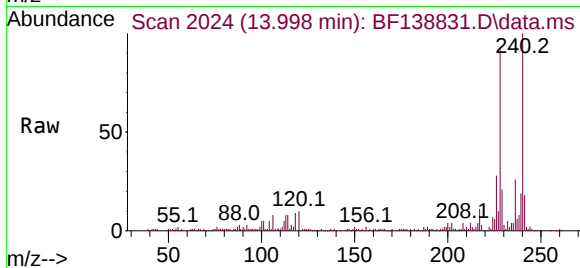
Instrument :

BNA_F

ClientSampleId :

PL-02-07312024-BDL

Tgt Ion:240	Resp:	79612
Ion Ratio	Lower	Upper
240	100	
120	10.4	10.2 15.4
236	25.9	19.8 29.8



#78

Pyrene

Concen: 35.255 ng

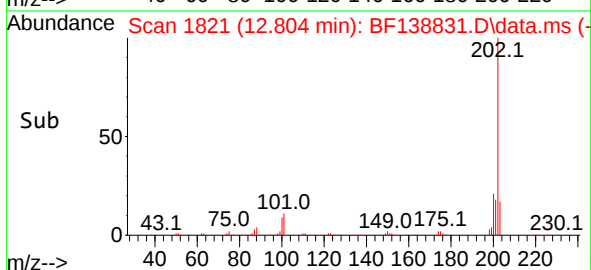
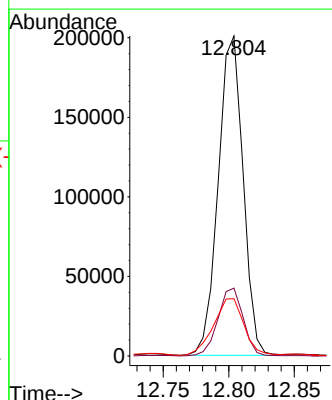
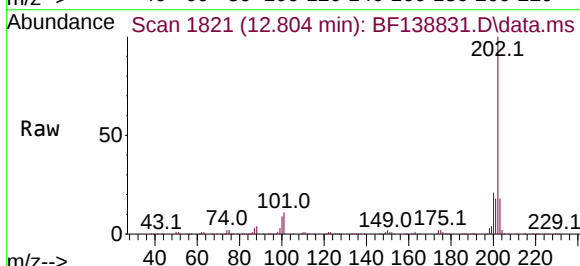
RT: 12.804 min Scan# 1821

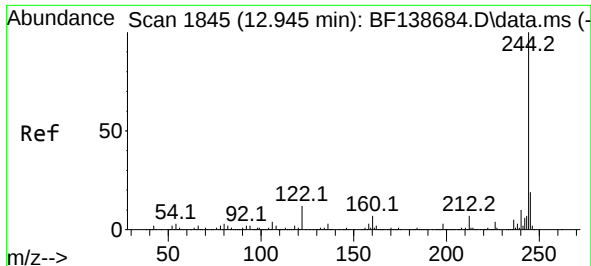
Delta R.T. -0.006 min

Lab File: BF138831.D

Acq: 07 Aug 2024 04:11

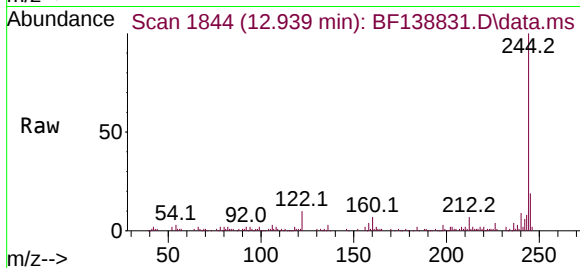
Tgt Ion:202	Resp:	264264
Ion Ratio	Lower	Upper
202	100	
200	21.2	16.8 25.2
203	17.9	13.8 20.6



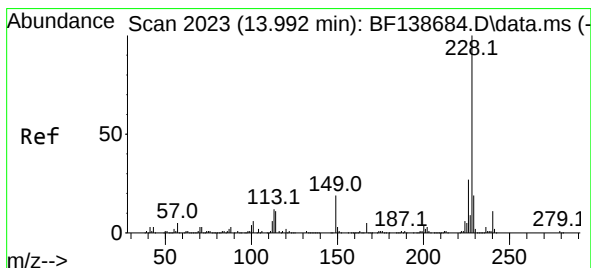
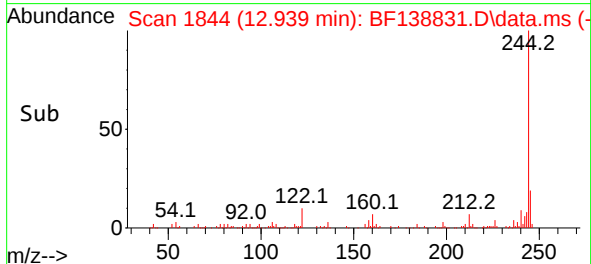
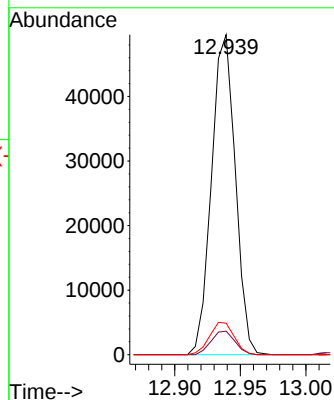


#79
 Terphenyl-d14
 Concen: 13.179 ng
 RT: 12.939 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF138831.D
 Acq: 07 Aug 2024 04:11

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-07312024-BDL

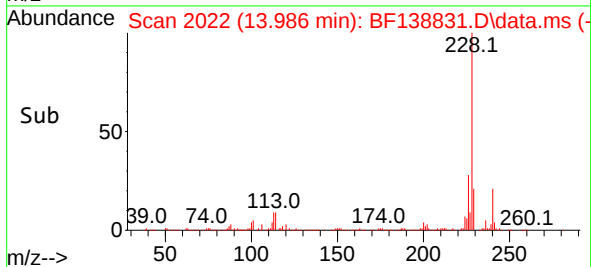
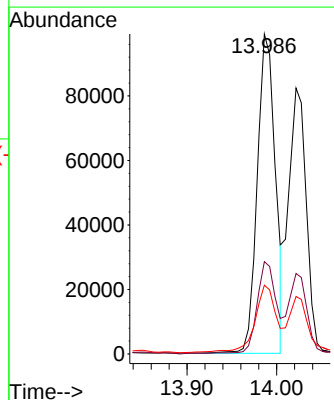
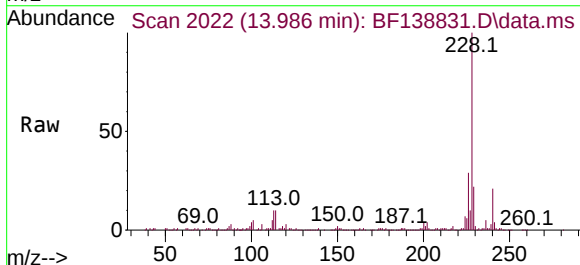


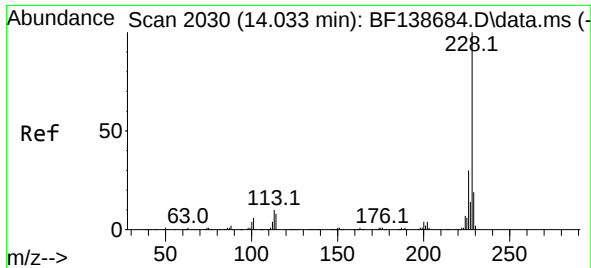
Tgt Ion:244 Resp: 62667
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 9.9 9.6 14.4



#81
 Benzo(a)anthracene
 Concen: 25.295 ng
 RT: 13.986 min Scan# 2022
 Delta R.T. -0.006 min
 Lab File: BF138831.D
 Acq: 07 Aug 2024 04:11

Tgt Ion:228 Resp: 138675
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.1 33.1
 229 21.5 15.4 23.0

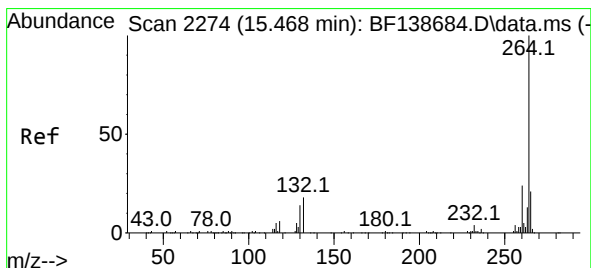
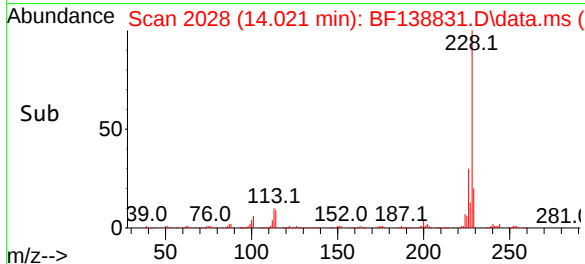
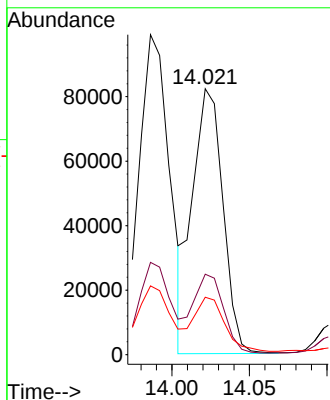
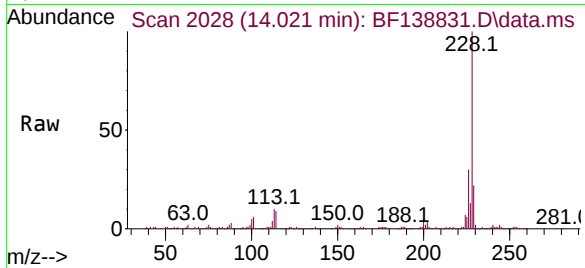




#83
Chrysene
Concen: 22.714 ng
RT: 14.021 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

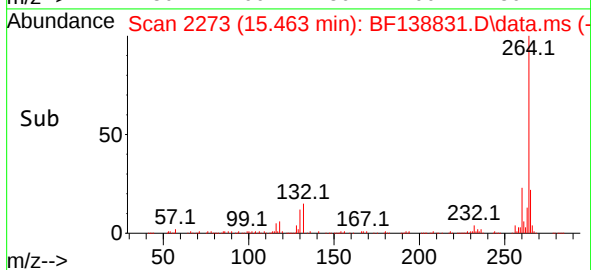
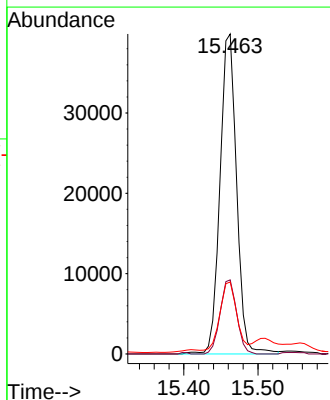
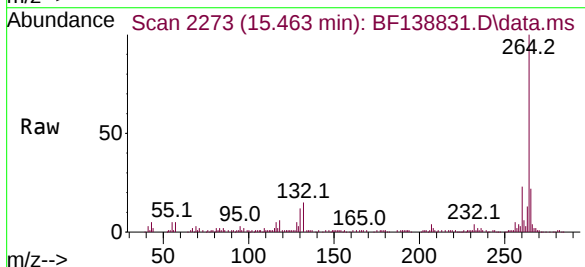
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-BDL

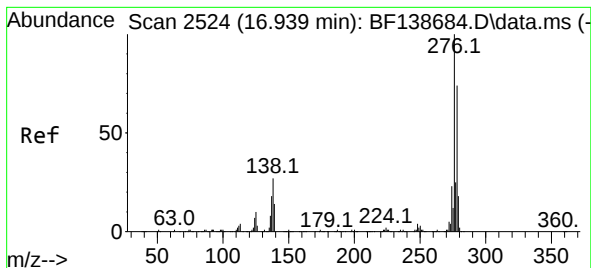
Tgt Ion:228 Resp: 112346
Ion Ratio Lower Upper
228 100
226 30.3 23.7 35.5
229 21.6 15.0 22.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

Tgt Ion:264 Resp: 62068
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.6
265 22.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.290 ng

RT: 16.921 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138831.D

Acq: 07 Aug 2024 04:11

Instrument :

BNA_F

ClientSampleId :

PL-02-07312024-BDL

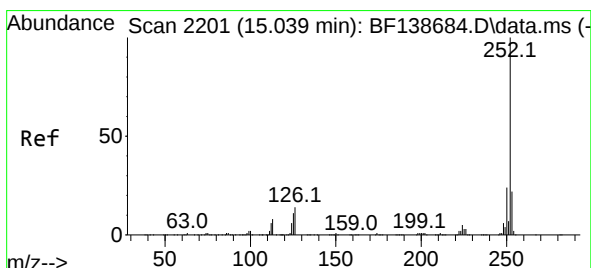
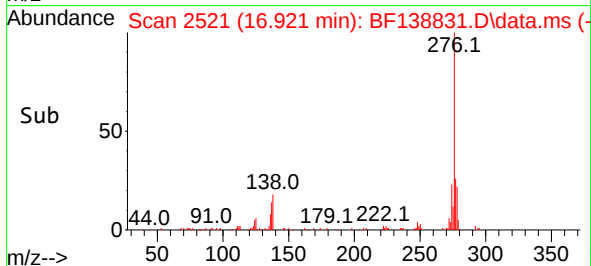
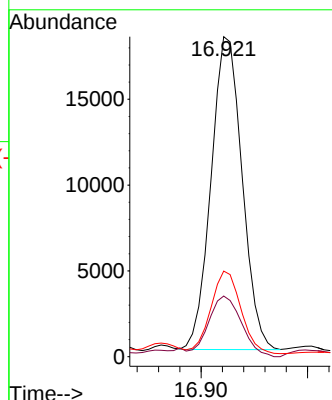
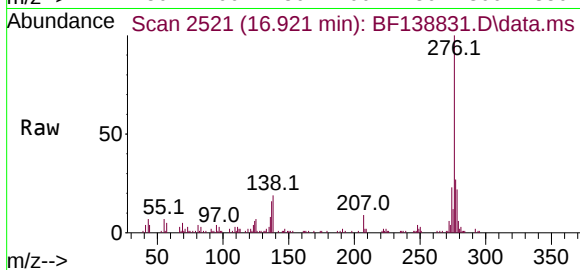
Tgt Ion:276 Resp: 36873

Ion Ratio Lower Upper

276 100

138 20.6 21.8 32.8#

277 25.6 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 38.304 ng

RT: 15.039 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF138831.D

Acq: 07 Aug 2024 04:11

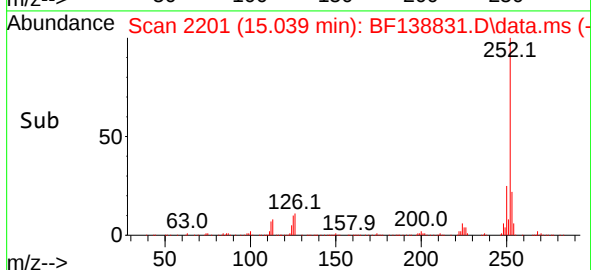
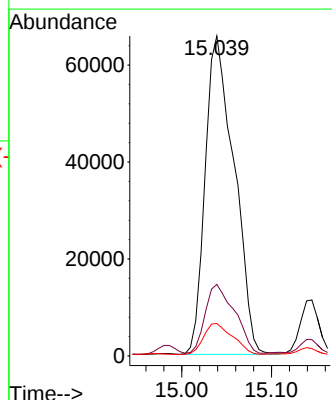
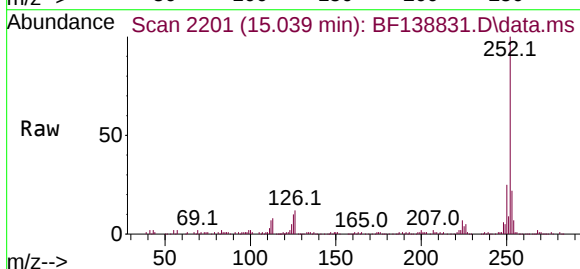
Tgt Ion:252 Resp: 147377

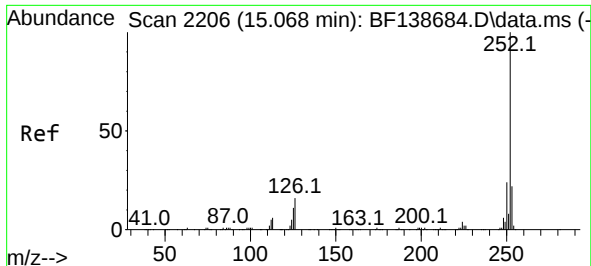
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 10.1 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 44.240 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF138831.D

Acq: 07 Aug 2024 04:11

Instrument :

BNA_F

ClientSampleId :

PL-02-07312024-BDL

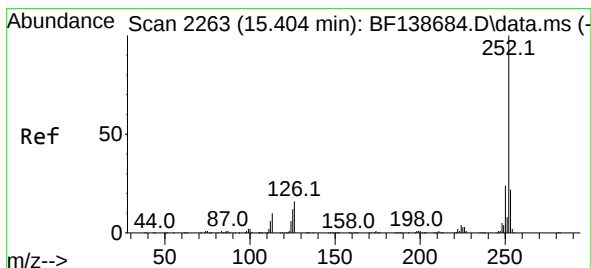
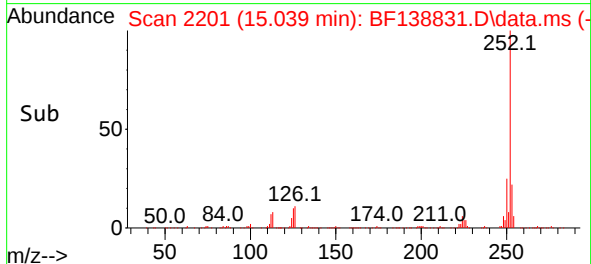
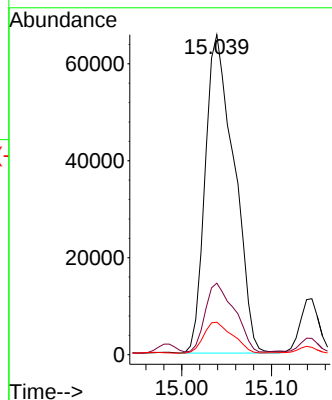
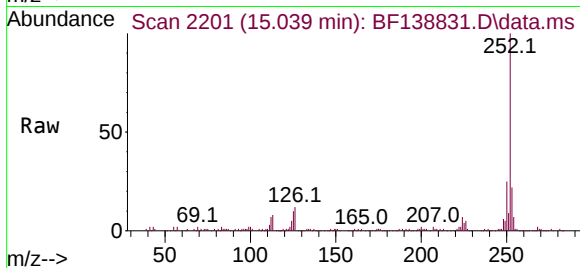
Tgt Ion:252 Resp: 147377

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 10.1 8.6 13.0



#90

Benzo(a)pyrene

Concen: 24.261 ng

RT: 15.398 min Scan# 2262

Delta R.T. -0.006 min

Lab File: BF138831.D

Acq: 07 Aug 2024 04:11

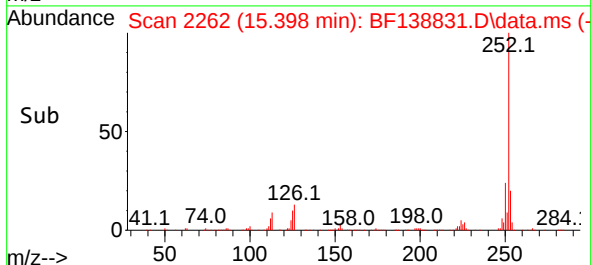
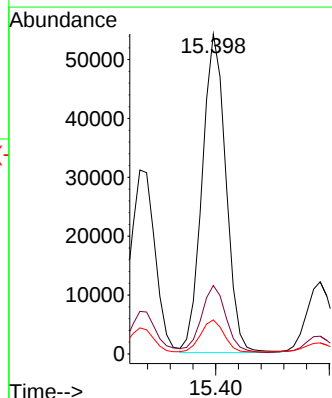
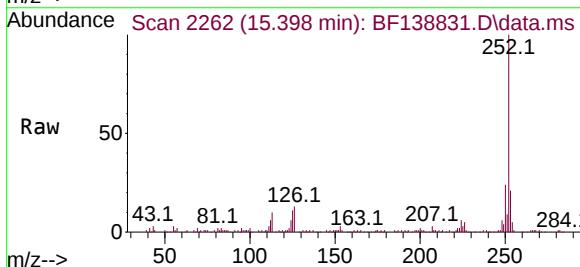
Tgt Ion:252 Resp: 78518

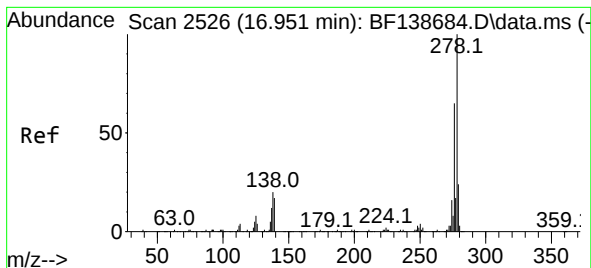
Ion Ratio Lower Upper

252 100

253 21.4 17.3 25.9

125 10.6 9.5 14.3

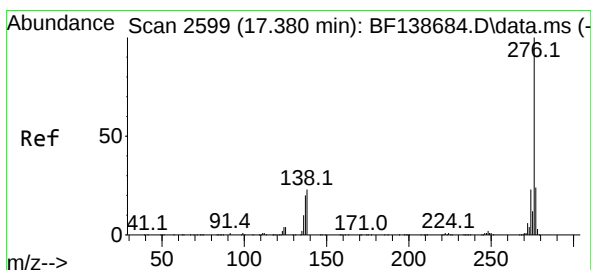
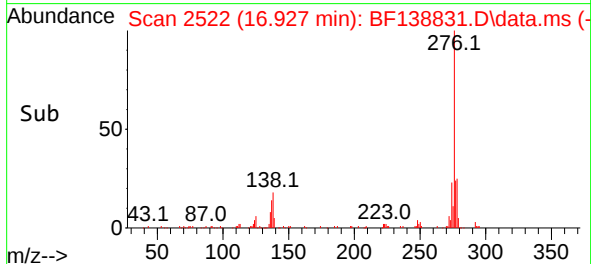
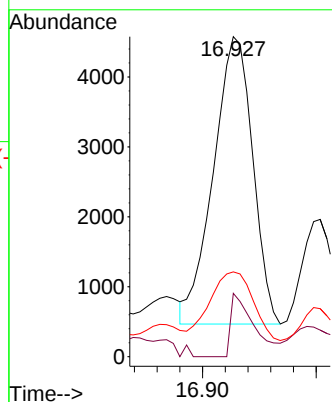
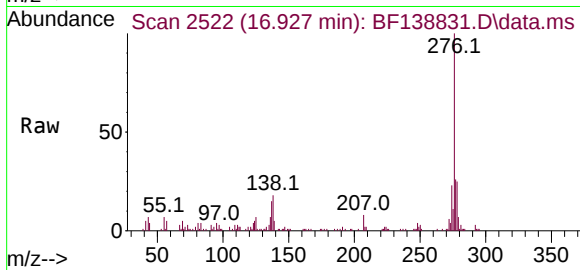




#91
Dibenzo(a,h)anthracene
Concen: 2.705 ng
RT: 16.927 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-BDL

Tgt Ion:278 Resp: 9876
Ion Ratio Lower Upper
278 100
139 19.8 14.0 21.0
279 26.5 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 9.398 ng
RT: 17.368 min Scan# 2597
Delta R.T. -0.012 min
Lab File: BF138831.D
Acq: 07 Aug 2024 04:11

Tgt Ion:276 Resp: 35610
Ion Ratio Lower Upper
276 100
277 23.6 19.0 28.4
138 20.2 18.5 27.7

