

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120922\
 Data File : BF131581.D
 Acq On : 09 Dec 2022 22:57
 Operator : CG\JU
 Sample : N5943-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-301

Quant Time: Dec 10 04:07:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 06:08:27 2022
 Response via : Initial Calibration

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

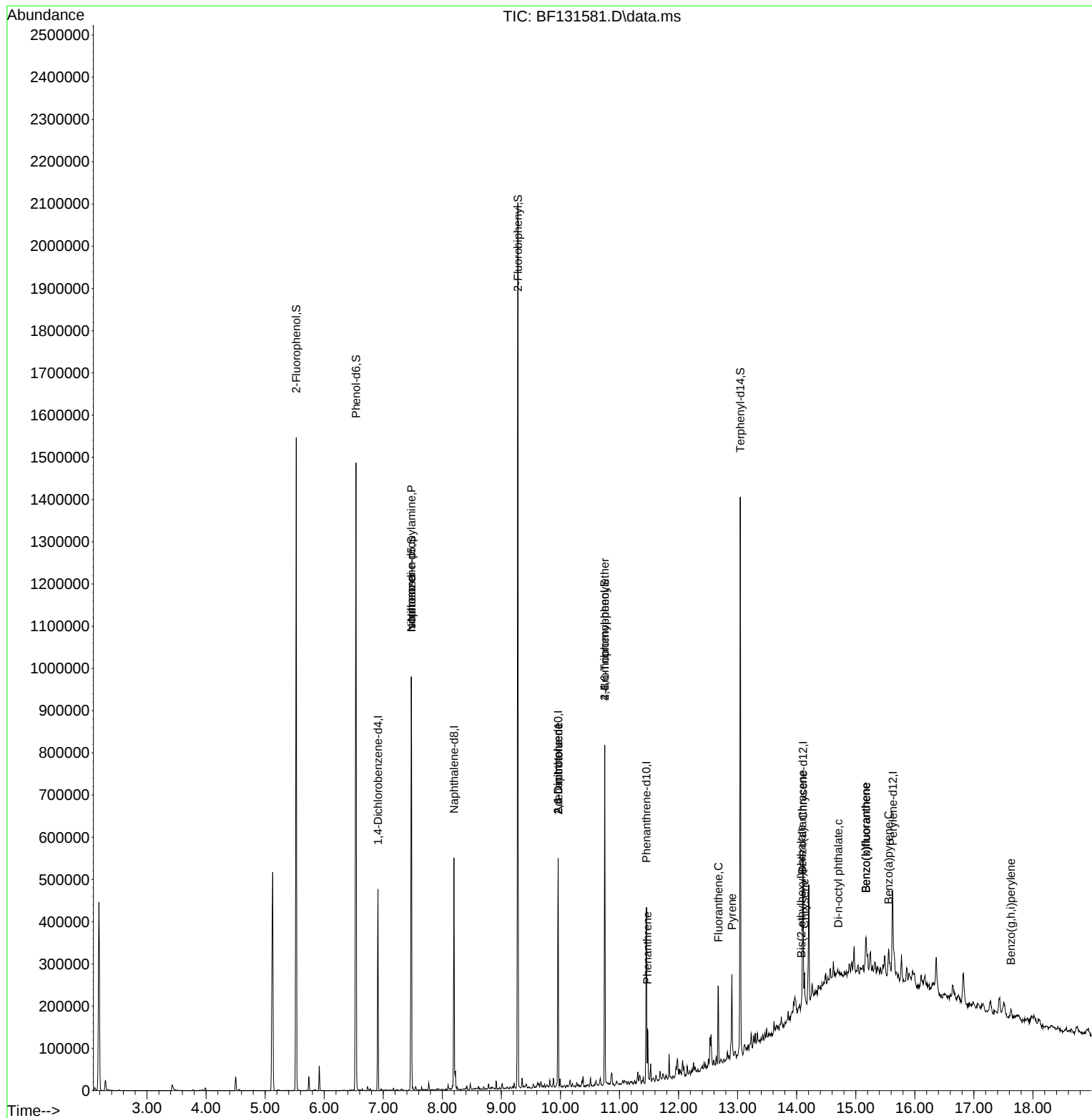
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	59189	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	193081	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	95988	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	152091	20.000	ng	0.00
76) Chrysene-d12	14.110	240	109321	20.000	ng	0.00
86) Perylene-d12	15.627	264	97215	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	341167	96.160	ng	0.02
7) Phenol-d6	6.539	99	465227	100.065	ng	0.00
23) Nitrobenzene-d5	7.475	82	332304	65.068	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	73103	68.548	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	546662	71.808	ng	0.00
79) Terphenyl-d14	13.045	244	423950	53.183	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	48591	13.938	ng	# 77
25) Isophorone	7.475	82	332296	40.395	ng	# 69
51) 2,6-Dinitrotoluene	9.963	165	13021	8.620	ng	# 10
57) 2,4-Dinitrotoluene	9.963	165	13021	6.498	ng	# 16
67) 4-Bromophenyl-phenylether	10.751	248	4800	2.453	ng	# 1
71) Phenanthrene	11.474	178	44458	5.244	ng	99
75) Fluoranthene	12.674	202	75182	8.612	ng	99
78) Pyrene	12.904	202	69068	6.407	ng	99
81) Benzo(a)anthracene	14.098	228	36942	4.679	ng	95
83) Chrysene	14.133	228	36651	4.883	ng	96
84) Bis(2-ethylhexyl)phtha...	14.080	149	3847	3.880	ng	# 85
85) Di-n-octyl phthalate	14.704	149	813	5.323	ng	# 74
88) Benzo(b)fluoranthene	15.174	252	52502	8.194	ng	# 89
89) Benzo(k)fluoranthene	15.174	252	53028	7.929	ng	# 89
90) Benzo(a)pyrene	15.557	252	26281	4.806	ng	# 91
92) Benzo(g,h,i)perylene	17.627	276	13977	2.130	ng	# 95

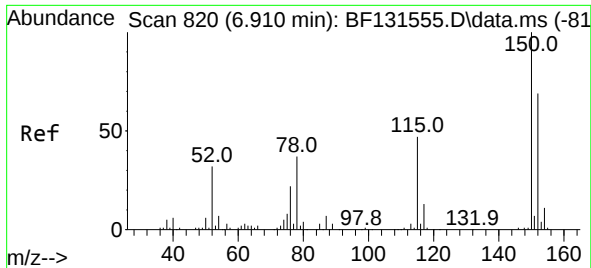
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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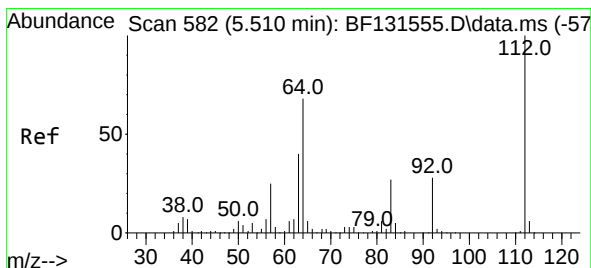
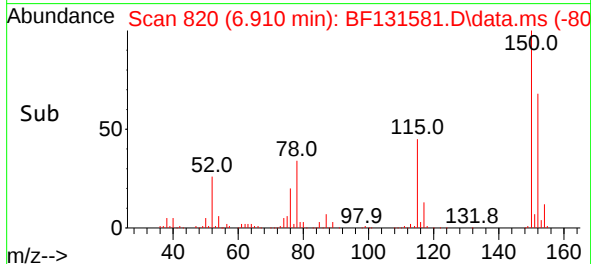
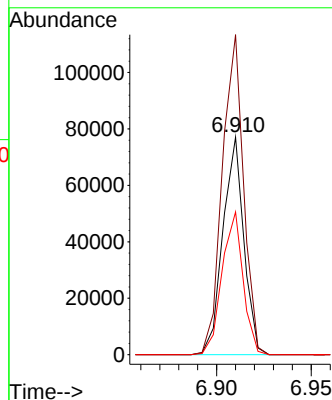
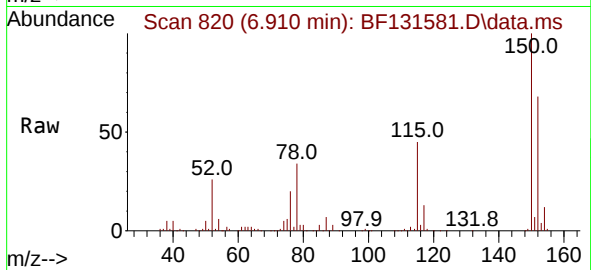




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

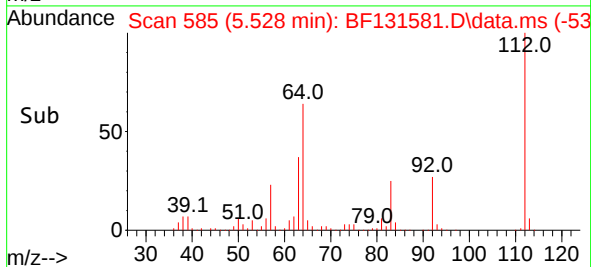
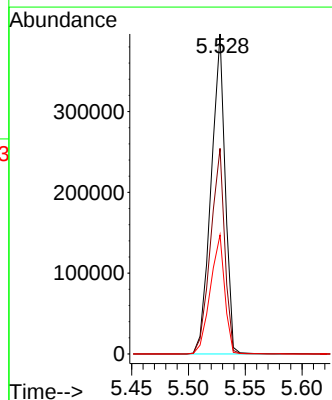
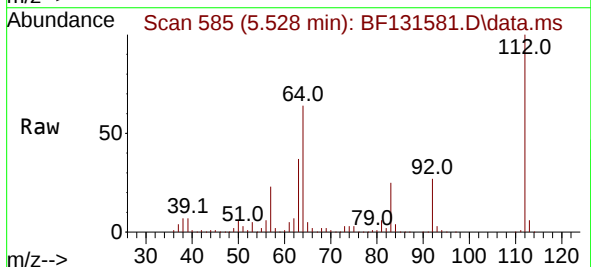
Instrument :
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RM-301

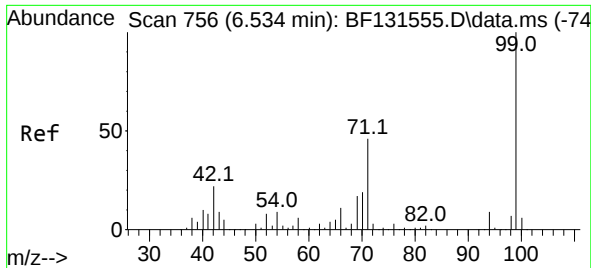
Tgt Ion:152 Resp: 59189
Ion Ratio Lower Upper
152 100
150 147.0 116.7 175.1
115 65.6 54.6 82.0



#5
2-Fluorophenol
Concen: 96.160 ng
RT: 5.528 min Scan# 585
Delta R.T. 0.018 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

Tgt Ion:112 Resp: 341167
Ion Ratio Lower Upper
112 100
64 64.3 54.5 81.7
63 37.2 31.9 47.9

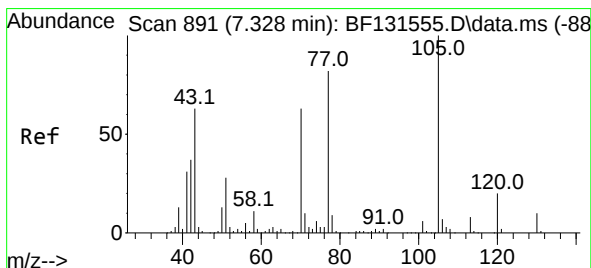
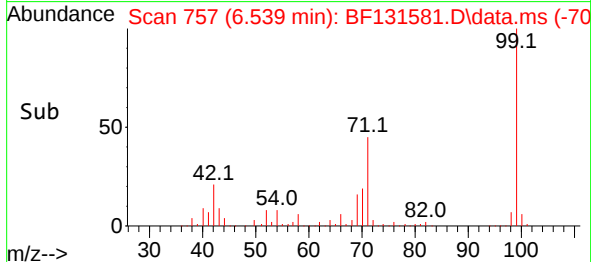
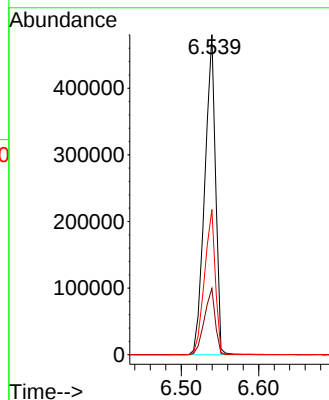
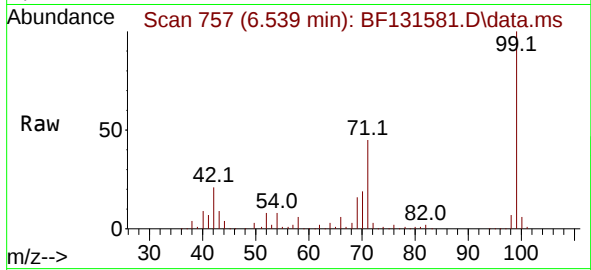




#7
Phenol-d6
Concen: 100.065 ng
RT: 6.539 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

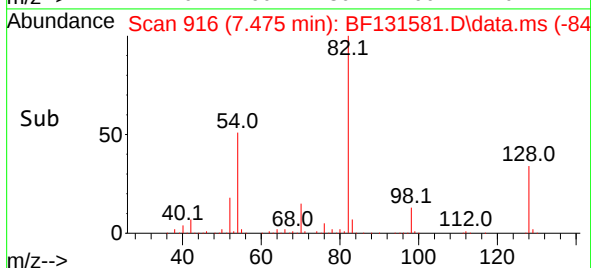
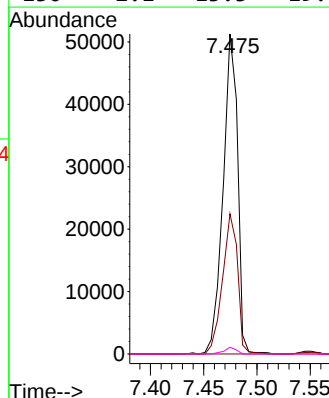
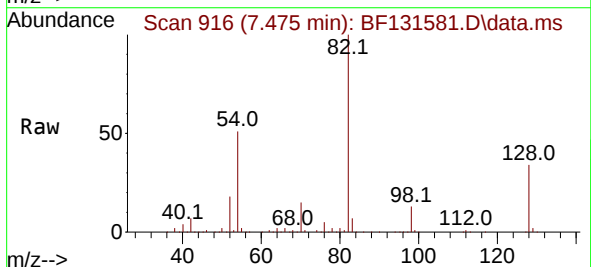
Instrument :
BNA_F
ClientSampleId :
RM-301

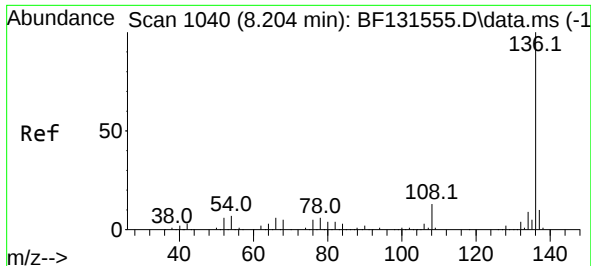
Tgt Ion: 99 Resp: 465227
Ion Ratio Lower Upper
99 100
42 20.7 17.9 26.9
71 45.3 37.2 55.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.938 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

Tgt Ion: 70 Resp: 48591
Ion Ratio Lower Upper
70 100
42 43.8 46.4 69.6#
101 0.0 7.2 10.8#
130 2.1 13.3 19.9#

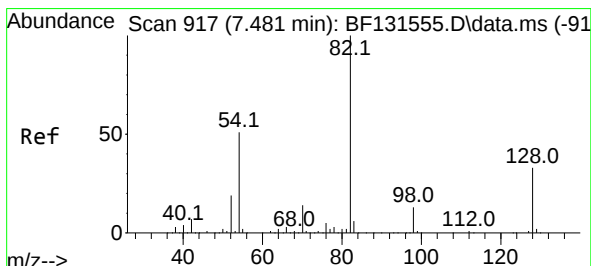
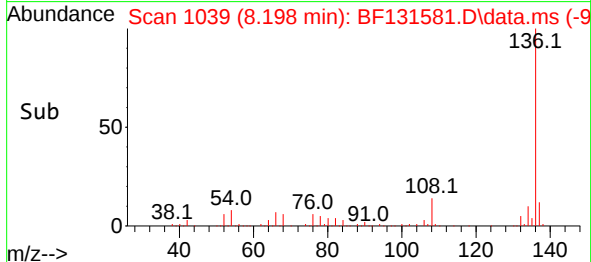
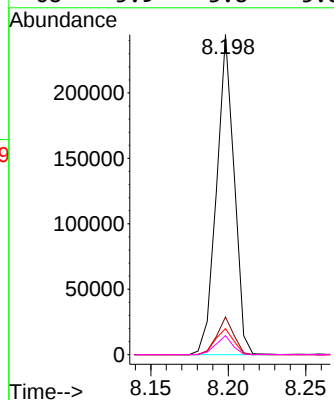
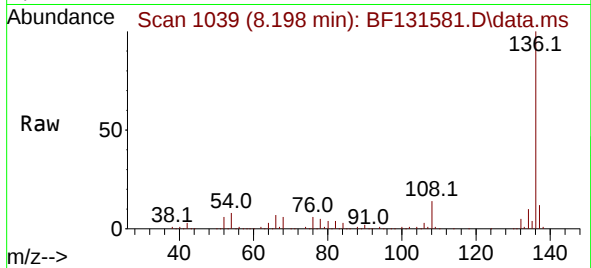




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

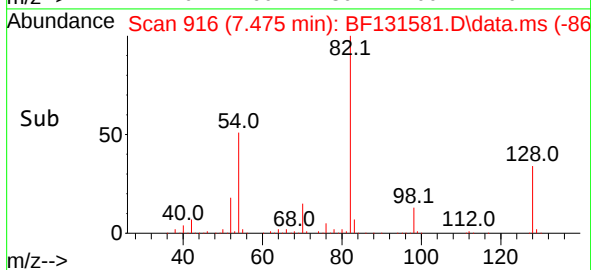
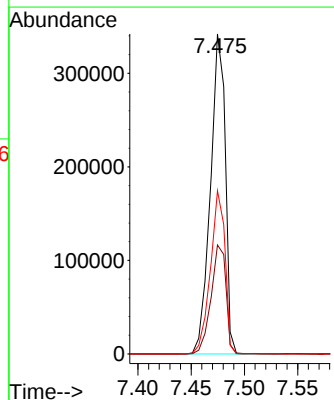
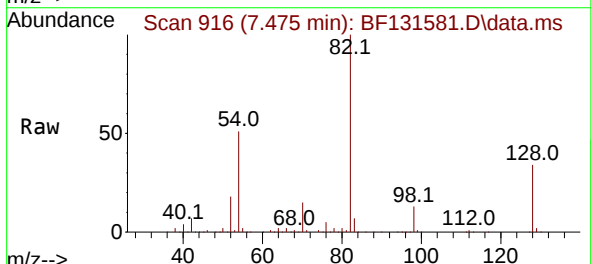
Instrument :
BNA_F
ClientSampleId :
RM-301

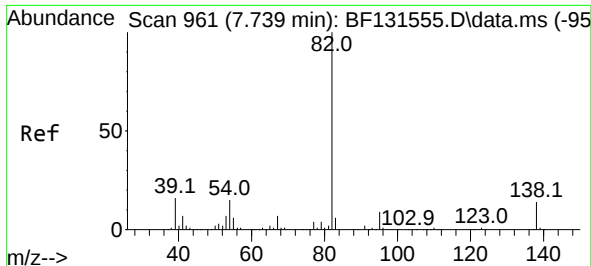
Tgt Ion:136 Resp: 193081
Ion Ratio Lower Upper
136 100
137 11.8 8.1 12.1
54 8.1 6.0 9.0
68 5.9 3.8 5.8#



#23
Nitrobenzene-d5
Concen: 65.068 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

Tgt Ion: 82 Resp: 332304
Ion Ratio Lower Upper
82 100
128 34.0 26.1 39.1
54 51.0 40.6 60.8

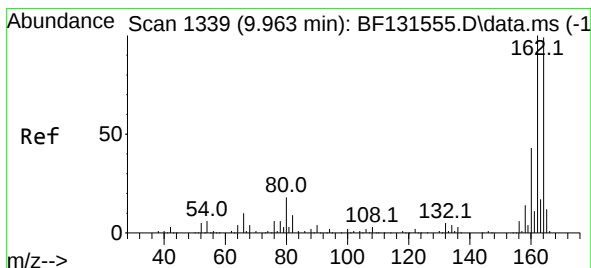
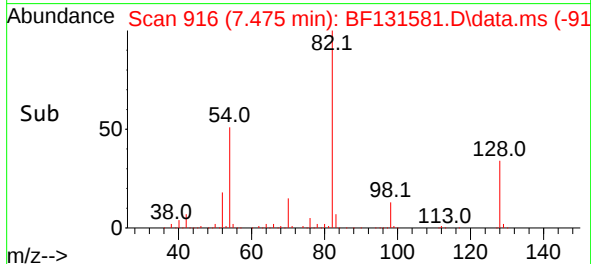
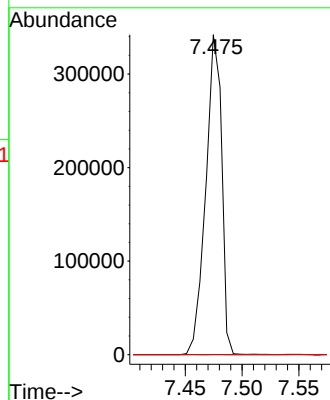
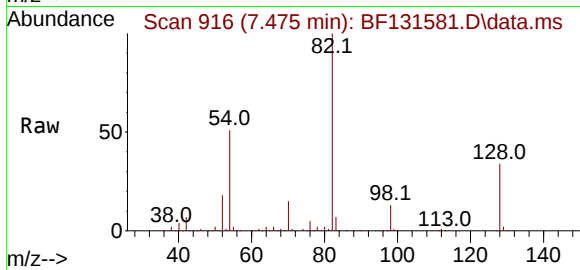




#25
Isophorone
Concen: 40.395 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.265 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

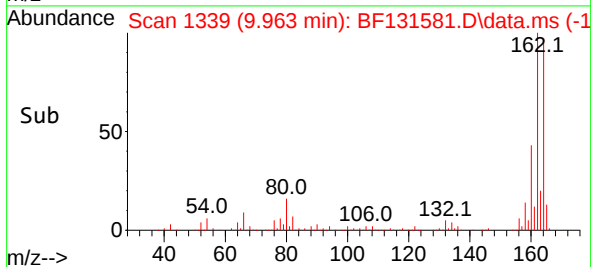
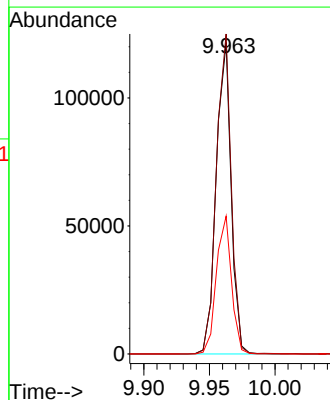
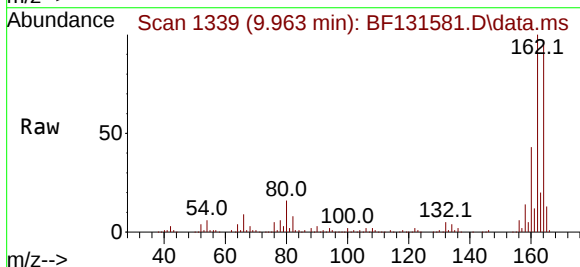
Instrument :
BNA_F
ClientSampleId :
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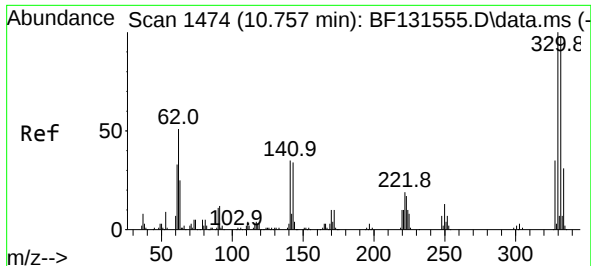
Tgt Ion: 82 Resp: 332296
Ion Ratio Lower Upper
82 100
95 0.0 6.9 10.3#
138 0.0 11.4 17.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

Tgt Ion:164 Resp: 95988
Ion Ratio Lower Upper
164 100
162 102.8 81.0 121.6
160 44.2 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 68.548 ng

RT: 10.751 min Scan# 1474

Delta R.T. -0.006 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

Instrument :

BNA_F

ClientSampleId :

RM-301

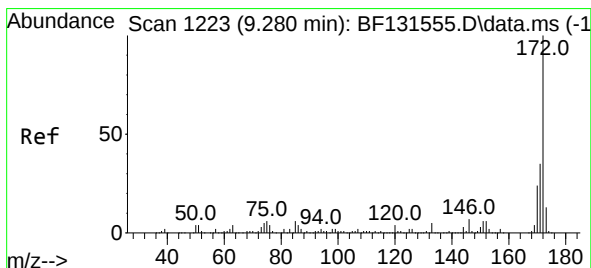
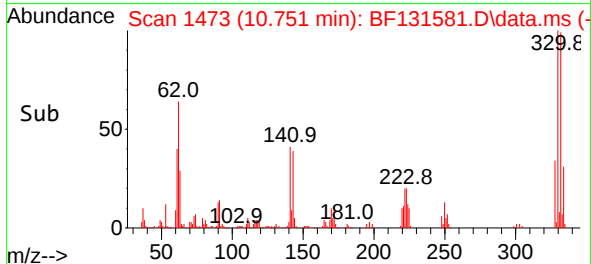
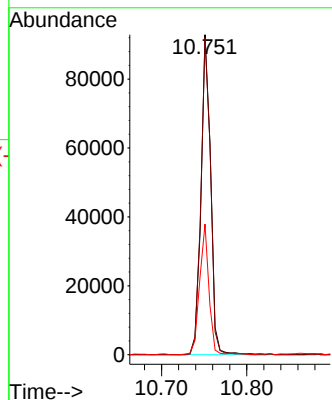
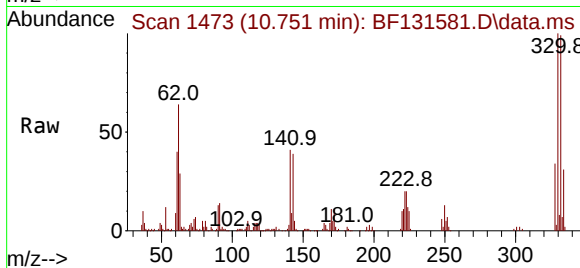
Tgt Ion:330 Resp: 73103

Ion Ratio Lower Upper

330 100

332 98.8 78.3 117.5

141 39.3 32.6 49.0



#45

2-Fluorobiphenyl

Concen: 71.808 ng

RT: 9.280 min Scan# 1223

Delta R.T. -0.000 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

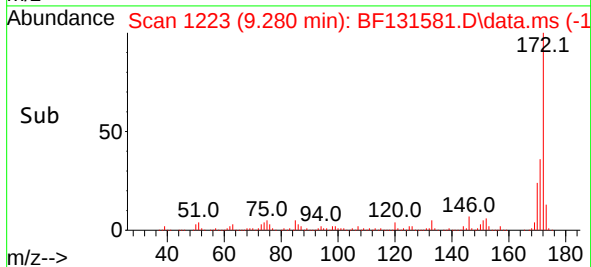
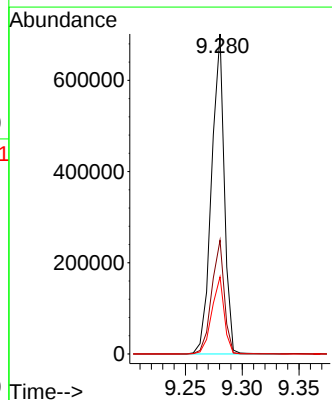
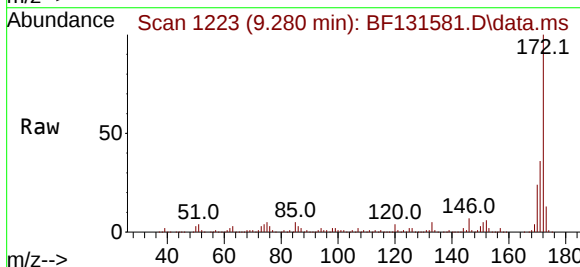
Tgt Ion:172 Resp: 546662

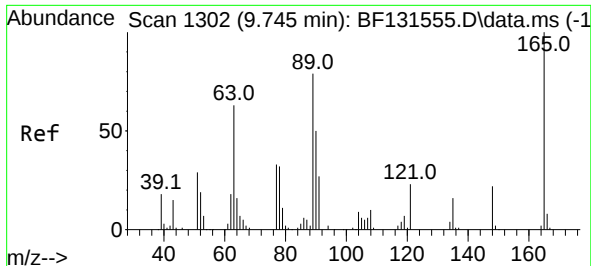
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 24.1 19.3 28.9

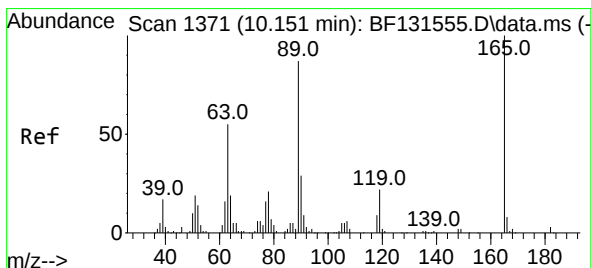
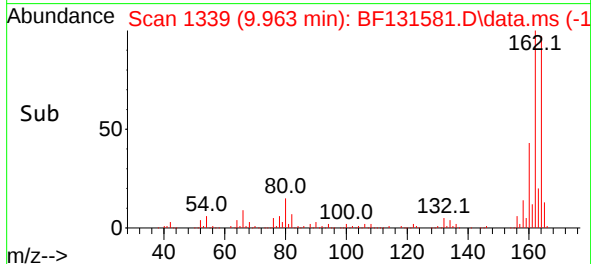
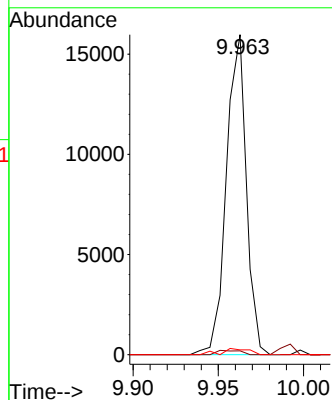
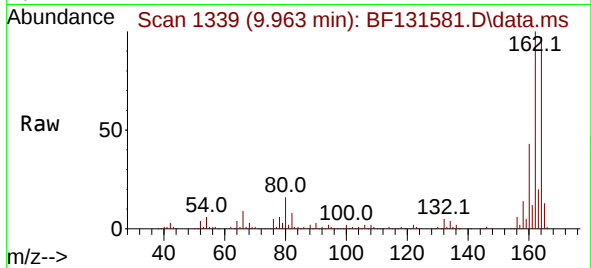




#51
2,6-Dinitrotoluene
Concen: 8.620 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

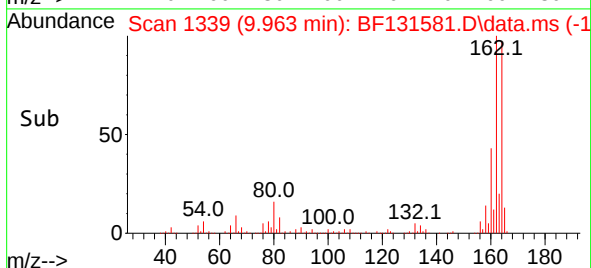
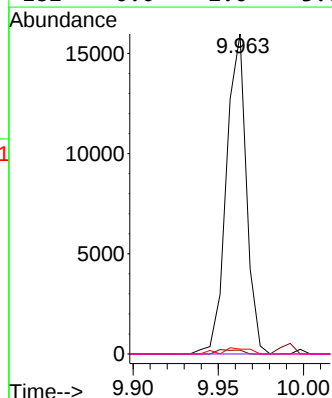
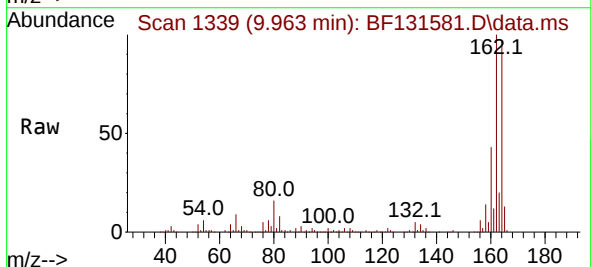
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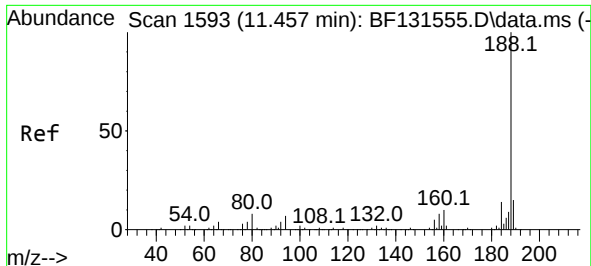
Tgt Ion:165 Resp: 13021
Ion Ratio Lower Upper
165 100
63 1.2 67.9 101.9#
89 1.5 63.2 94.8#



#57
2,4-Dinitrotoluene
Concen: 6.498 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.188 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

Tgt Ion:165 Resp: 13021
Ion Ratio Lower Upper
165 100
63 1.2 44.4 66.6#
89 1.5 69.6 104.4#
182 0.0 2.0 3.0#

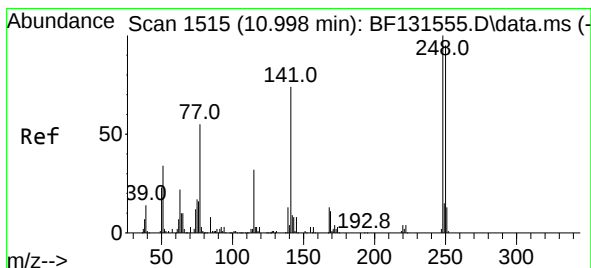
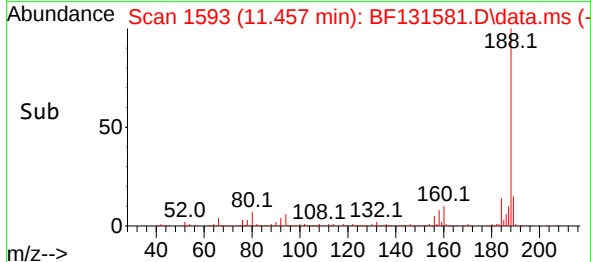
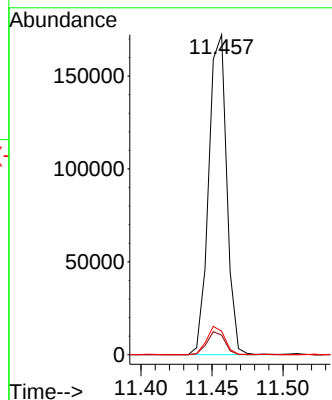
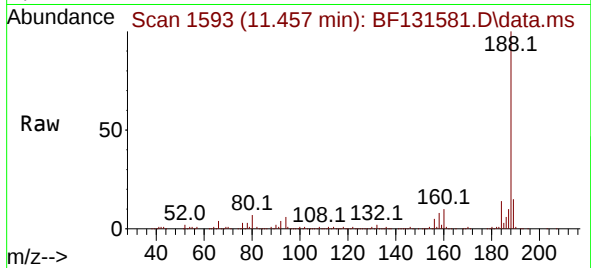




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

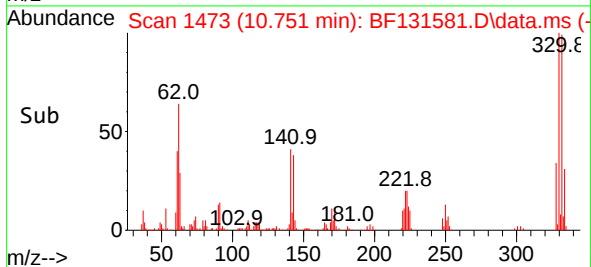
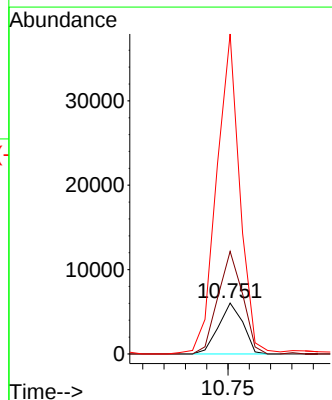
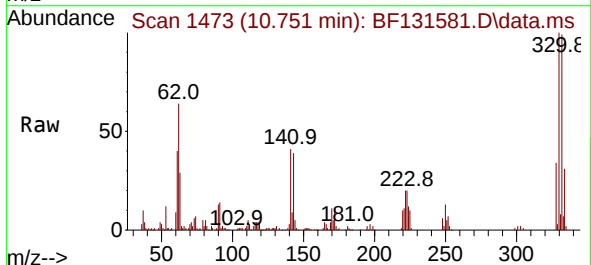
Instrument :
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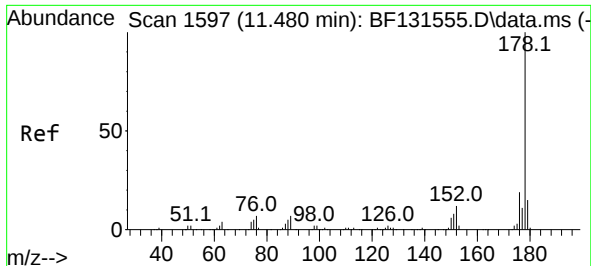
Tgt Ion:188 Resp: 152091
Ion Ratio Lower Upper
188 100
94 6.1 5.5 8.3
80 7.4 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 2.453 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.247 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

Tgt Ion:248 Resp: 4800
Ion Ratio Lower Upper
248 100
250 201.8 76.2 114.2#
141 629.8 59.5 89.3#

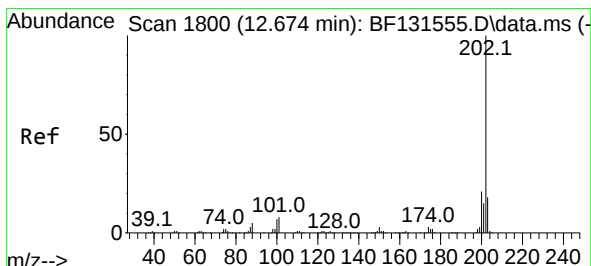
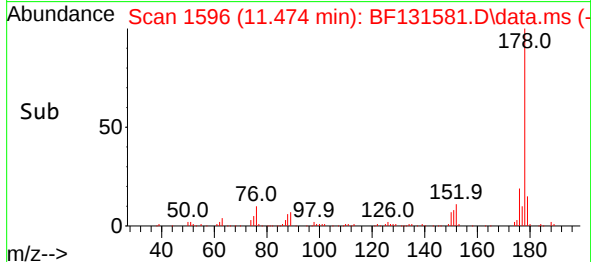
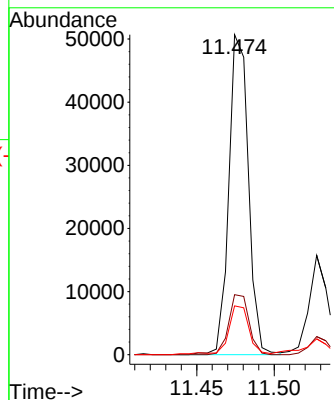
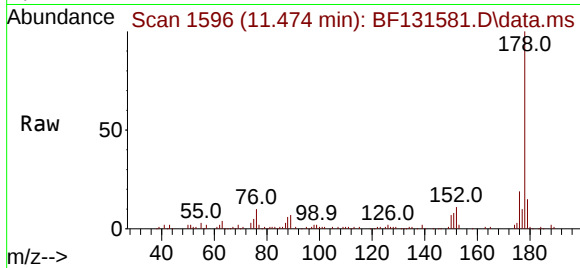




#71
Phenanthrene
Concen: 5.244 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

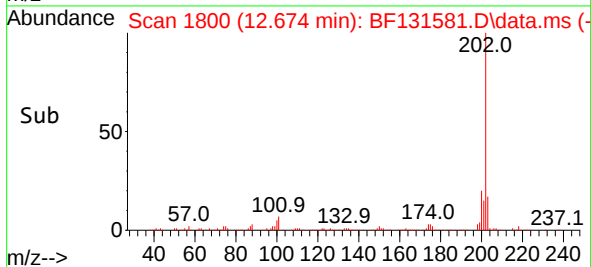
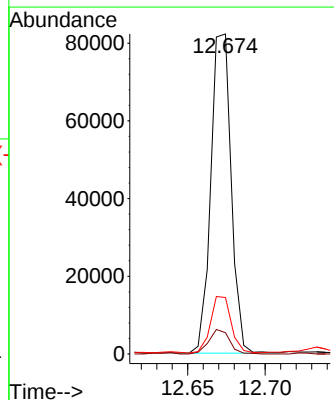
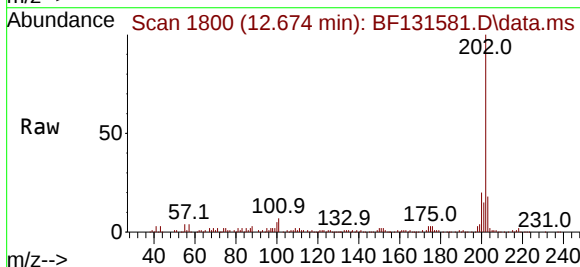
Instrument :
BNA_F
ClientSampleId :
RM-301

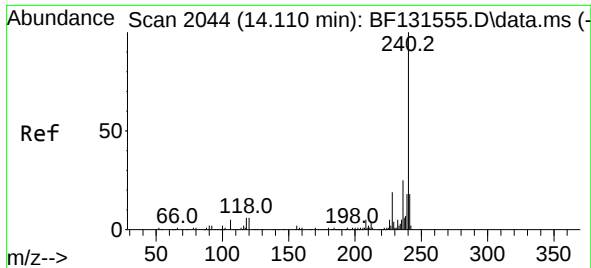
Tgt Ion:178 Resp: 44458
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.2 12.2 18.4



#75
Fluoranthene
Concen: 8.612 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

Tgt Ion:202 Resp: 75182
Ion Ratio Lower Upper
202 100
101 6.7 0.0 27.7
203 17.6 0.0 37.7

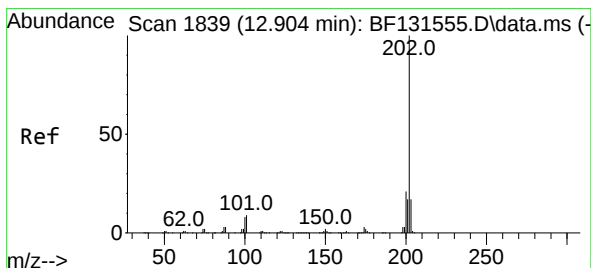
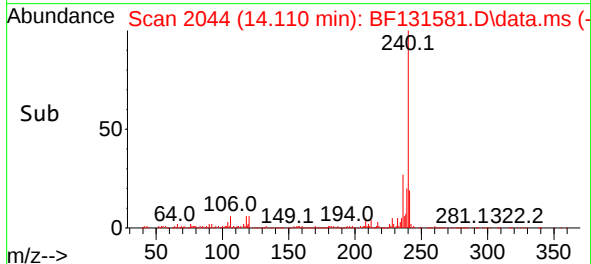
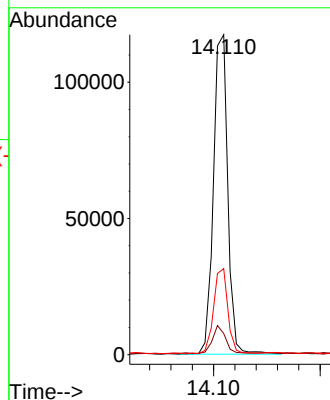
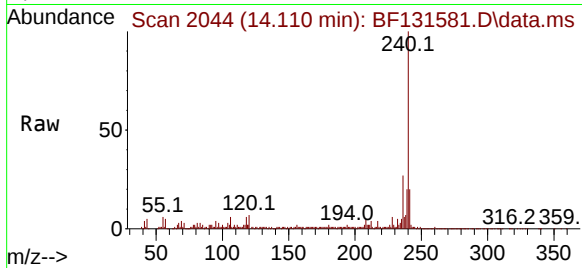




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

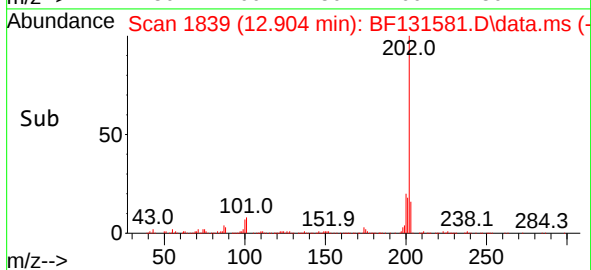
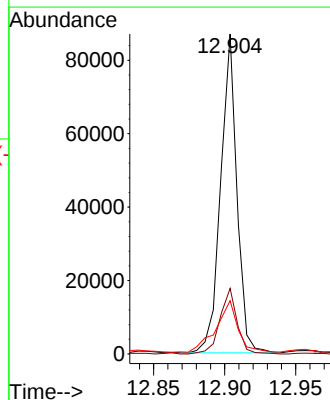
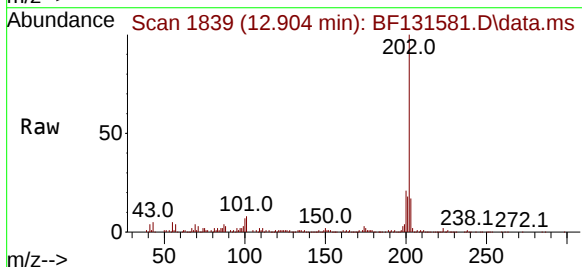
Instrument :
BNA_F
ClientSampleId :
RM-301

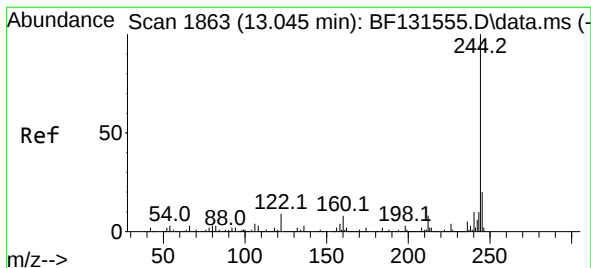
Tgt Ion:240 Resp: 109321
Ion Ratio Lower Upper
240 100
120 6.6 4.6 7.0
236 26.9 20.2 30.2



#78
Pyrene
Concen: 6.407 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

Tgt Ion:202 Resp: 69068
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 16.6 13.8 20.6





#79

Terphenyl-d14

Concen: 53.183 ng

RT: 13.045 min Scan# 1863

Delta R.T. -0.000 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

Instrument :

BNA_F

ClientSampleId :

RM-301

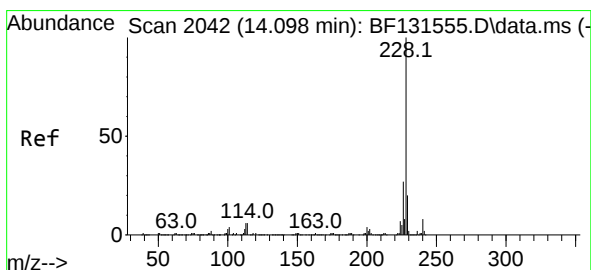
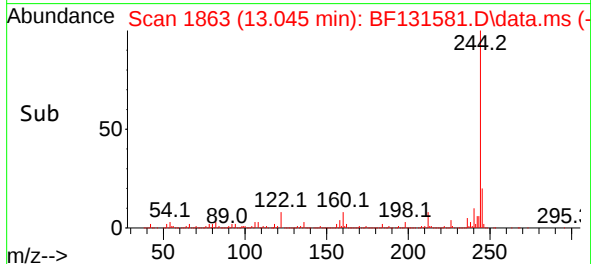
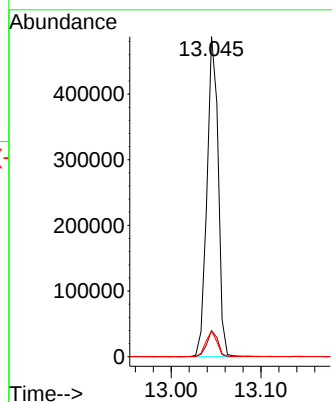
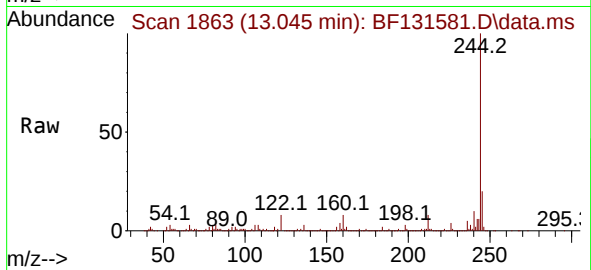
Tgt Ion:244 Resp: 423950

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

122 8.1 7.1 10.7



#81

Benzo(a)anthracene

Concen: 4.679 ng

RT: 14.098 min Scan# 2042

Delta R.T. -0.000 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

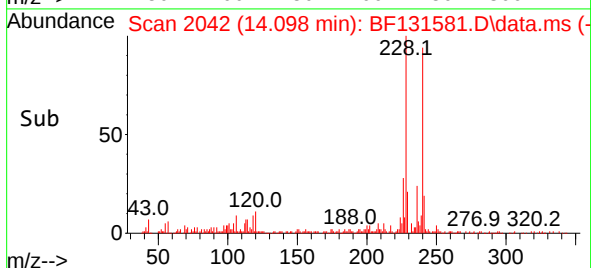
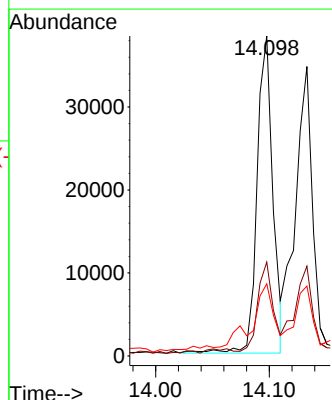
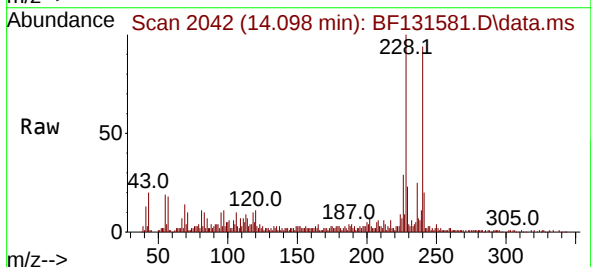
Tgt Ion:228 Resp: 36942

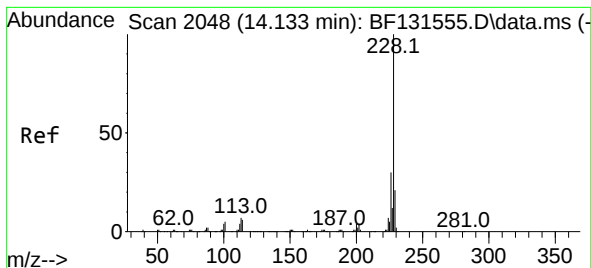
Ion Ratio Lower Upper

228 100

226 29.4 21.5 32.3

229 22.5 15.8 23.6





#83

Chrysene

Concen: 4.883 ng

RT: 14.133 min Scan# 2048

Delta R.T. -0.000 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

Instrument :

BNA_F

ClientSampleId :

RM-301

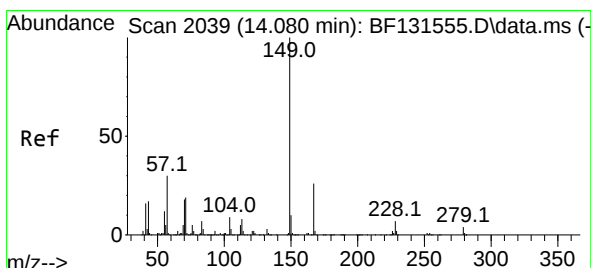
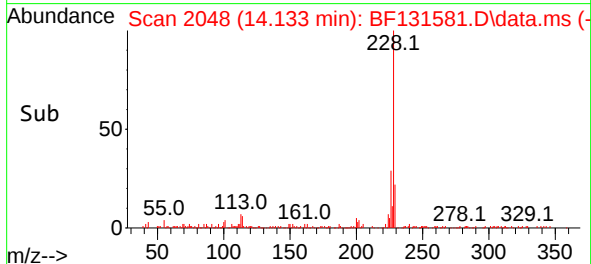
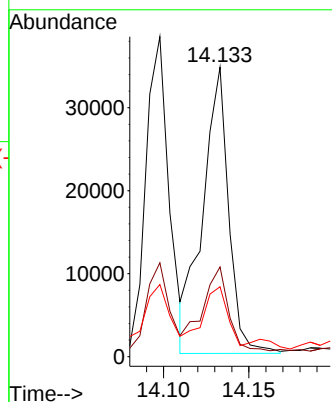
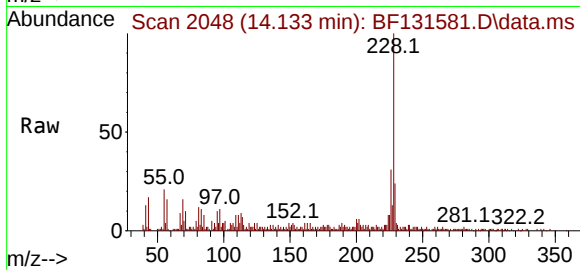
Tgt Ion:228 Resp: 36651

Ion Ratio Lower Upper

228 100

226 31.0 23.9 35.9

229 24.2 16.7 25.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.880 ng

RT: 14.080 min Scan# 2039

Delta R.T. 0.000 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

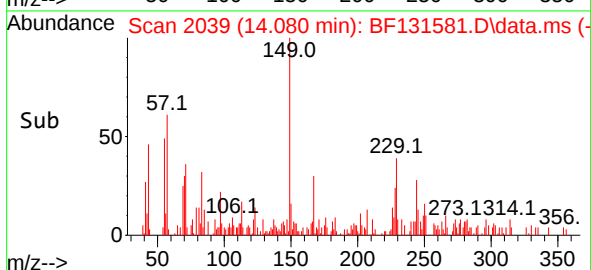
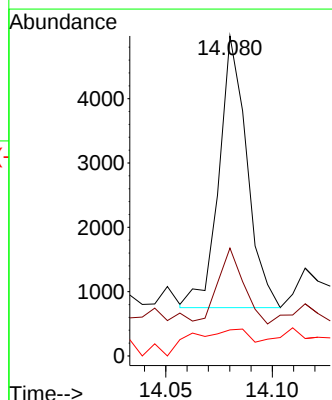
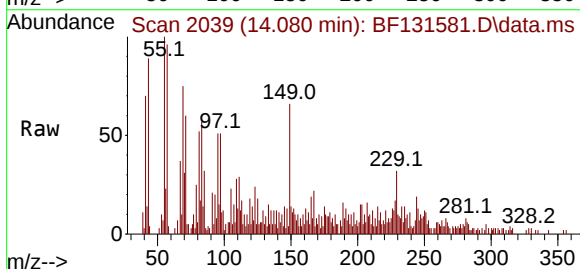
Tgt Ion:149 Resp: 3847

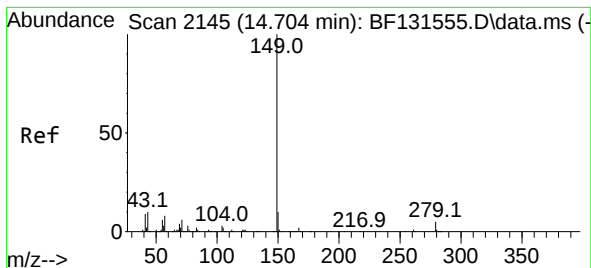
Ion Ratio Lower Upper

149 100

167 33.7 20.8 31.2#

279 8.2 3.3 4.9#





#85

Di-n-octyl phthalate

Concen: 5.323 ng

RT: 14.704 min Scan# 2145

Delta R.T. -0.000 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

Instrument :

BNA_F

ClientSampleId :

RM-301

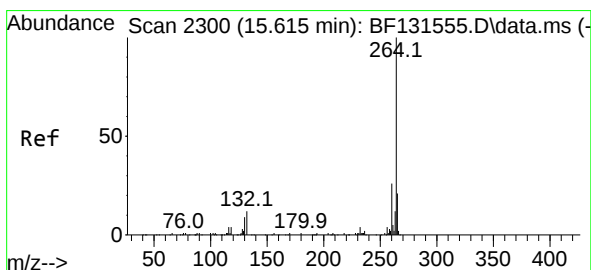
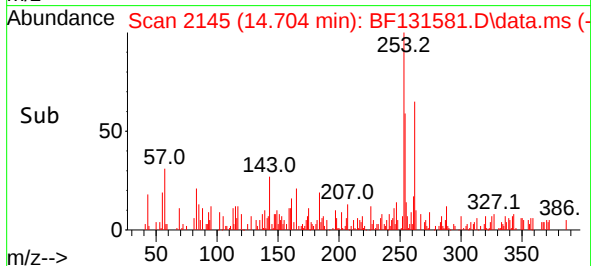
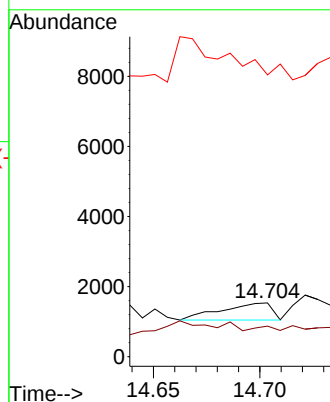
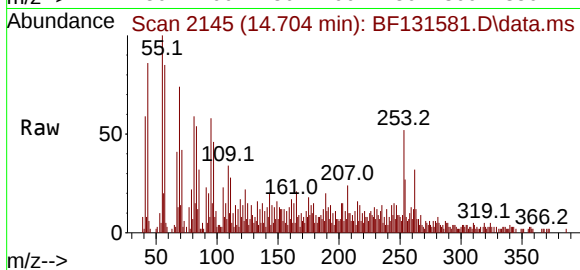
Tgt Ion:149 Resp: 813

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 8.6 13.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2302

Delta R.T. 0.012 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

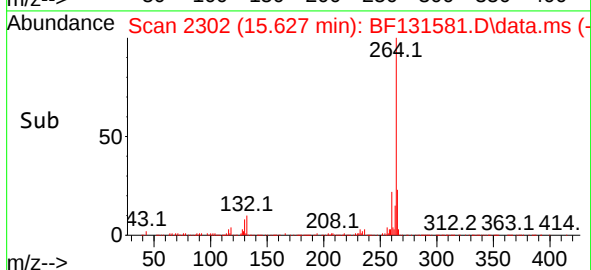
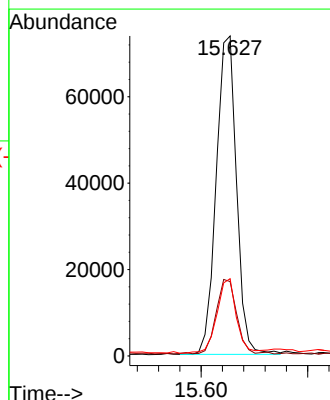
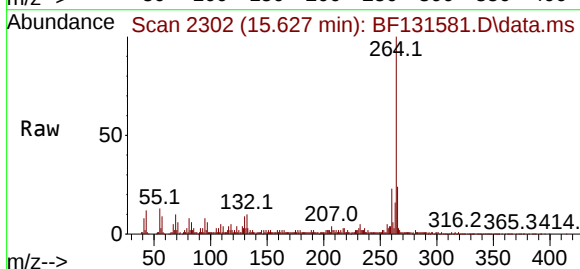
Tgt Ion:264 Resp: 97215

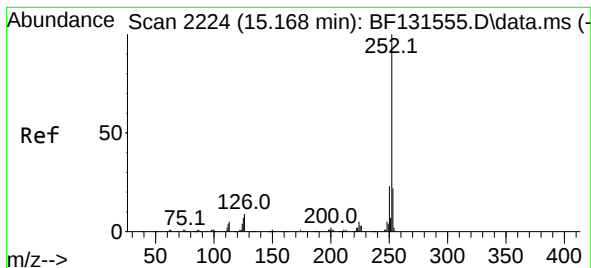
Ion Ratio Lower Upper

264 100

260 23.2 20.6 30.8

265 24.2 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 8.194 ng

RT: 15.174 min Scan# 2225

Delta R.T. 0.006 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

Instrument :

BNA_F

ClientSampleId :

RM-301

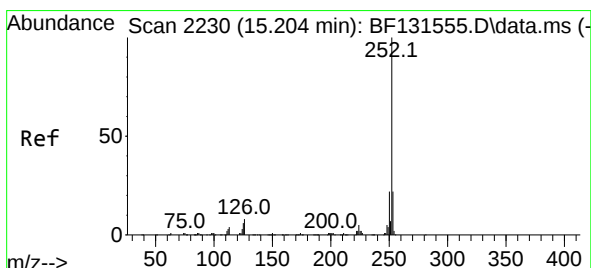
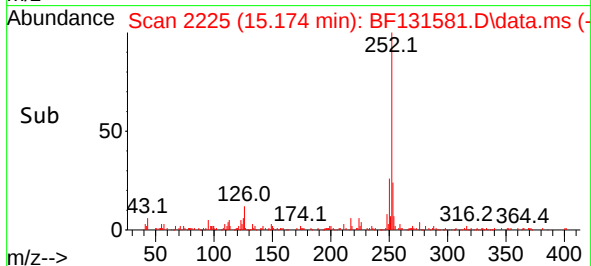
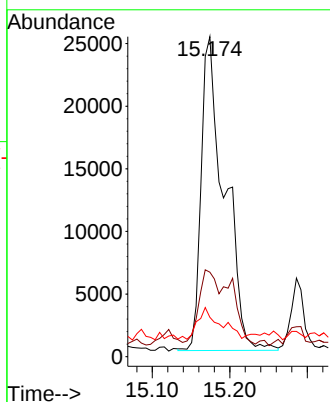
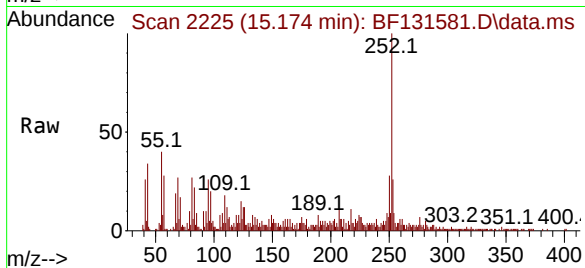
Tgt Ion:252 Resp: 52502

Ion Ratio Lower Upper

252 100

253 26.4 17.7 26.5

125 12.3 5.6 8.4#



#89

Benzo(k)fluoranthene

Concen: 7.929 ng

RT: 15.174 min Scan# 2225

Delta R.T. -0.029 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

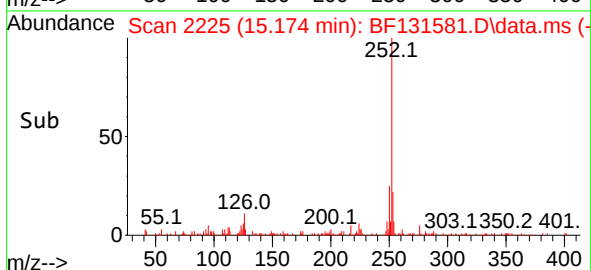
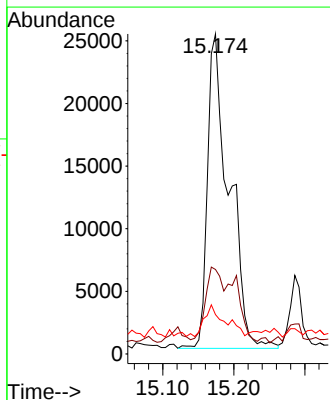
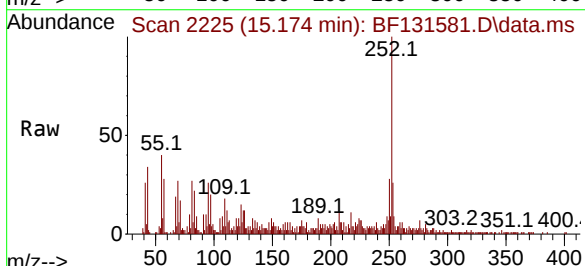
Tgt Ion:252 Resp: 53028

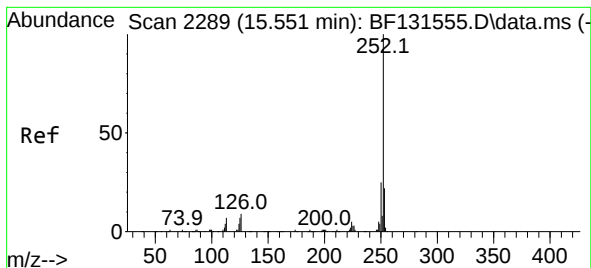
Ion Ratio Lower Upper

252 100

253 26.4 17.7 26.5

125 12.3 4.9 7.3#





#90

Benzo(a)pyrene

Concen: 4.806 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

Instrument :

BNA_F

ClientSampleId :

RM-301

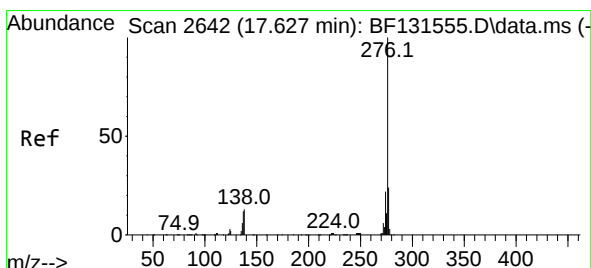
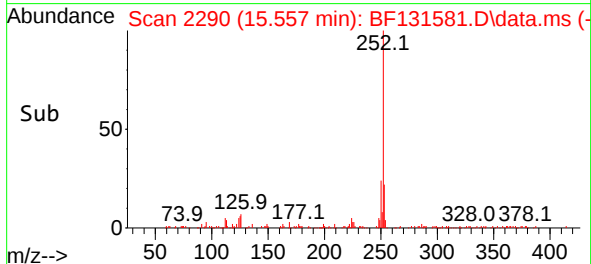
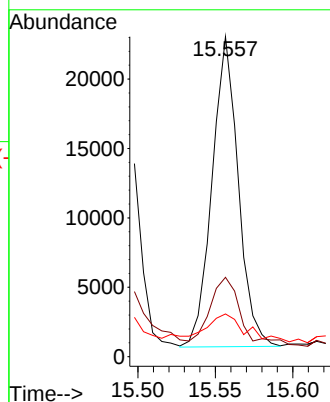
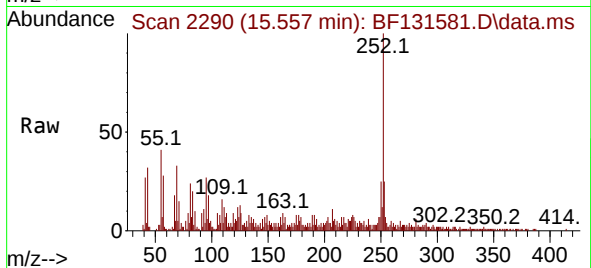
Tgt Ion:252 Resp: 26281

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 13.4 5.6 8.4#



#92

Benzo(g,h,i)perylene

Concen: 2.130 ng

RT: 17.627 min Scan# 2642

Delta R.T. -0.000 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

Tgt Ion:276 Resp: 13977

Ion Ratio Lower Upper

276 100

277 25.9 19.0 28.6

138 16.2 10.7 16.1#

