

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122822\
 Data File : BF131872.D
 Acq On : 28 Dec 2022 21:09
 Operator : CG\JU
 Sample : N6212-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Dec 29 01:00:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 26 05:13:34 2022
 Response via : Initial Calibration

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

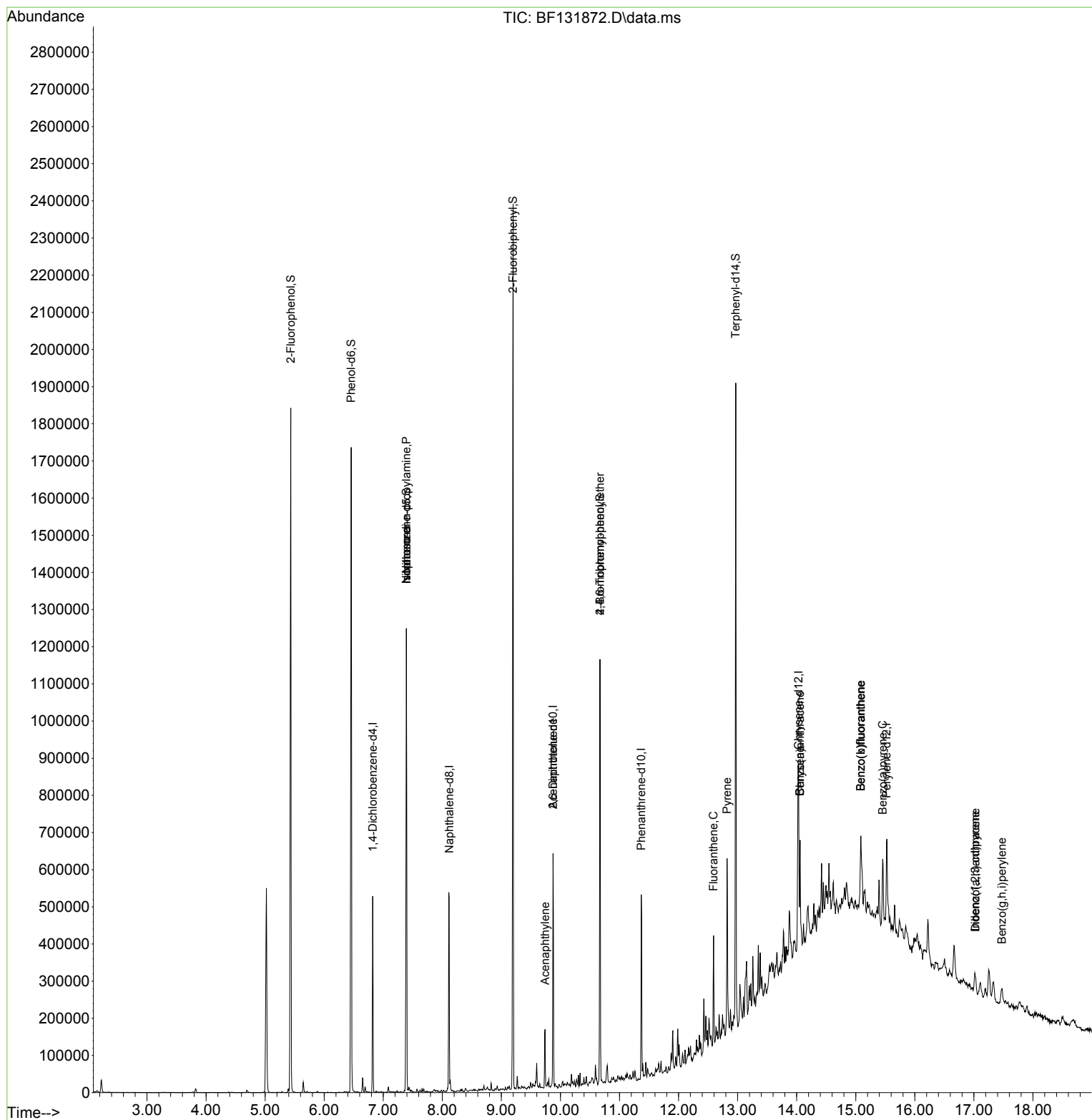
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	65316	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	224225	20.000	ng	-0.01
39) Acenaphthene-d10	9.875	164	110475	20.000	ng	-0.02
64) Phenanthrene-d10	11.369	188	176467	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	129571	20.000	ng	0.00
86) Perylene-d12	15.521	264	97511	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	434989	110.367	ng	0.00
7) Phenol-d6	6.457	99	576973	111.425	ng	-0.01
23) Nitrobenzene-d5	7.392	82	399590	71.151	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	111947	93.265	ng	-0.02
45) 2-Fluorobiphenyl	9.198	172	644238	79.876	ng	-0.01
79) Terphenyl-d14	12.969	244	535832	69.952	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	57142	15.625	ng	# 81
25) Isophorone	7.392	82	398013	43.397	ng	# 69
49) Acenaphthylene	9.739	152	60846	5.840	ng	99
51) 2,6-Dinitrotoluene	9.875	165	15366	8.493	ng	# 17
67) 4-Bromophenyl-phenylether	10.669	248	7432	3.634	ng	# 1
75) Fluoranthene	12.592	202	98829	8.743	ng	99
78) Pyrene	12.821	202	175114	16.124	ng	99
81) Benzo(a)anthracene	14.057	228	118692	12.652	ng	94
83) Chrysene	14.057	228	118692	13.464	ng	96
87) Indeno(1,2,3-cd)pyrene	17.021	276	33461	5.401	ng	95
88) Benzo(b)fluoranthene	15.086	252	120702	16.882	ng	# 90
89) Benzo(k)fluoranthene	15.086	252	120702	17.472	ng	# 90
90) Benzo(a)pyrene	15.457	252	72732	13.139	ng	# 91
91) Dibenzo(a,h)anthracene	17.027	278	10835	2.135	ng	# 55
92) Benzo(g,h,i)perylene	17.474	276	34541	10.373	ng	94

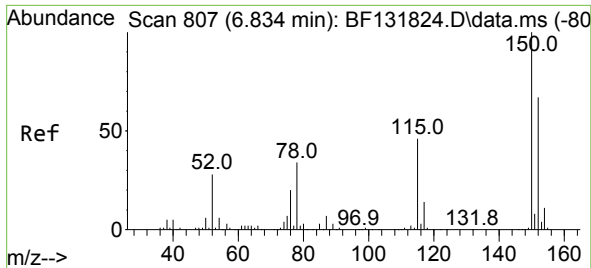
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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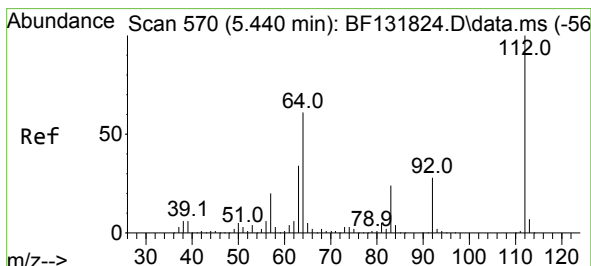
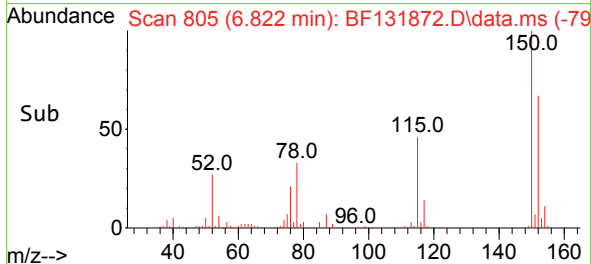
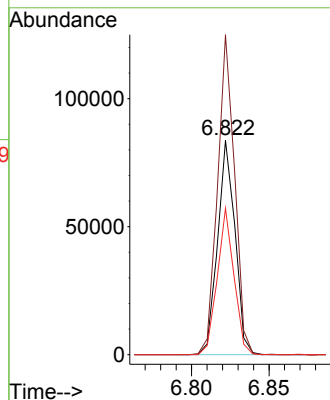
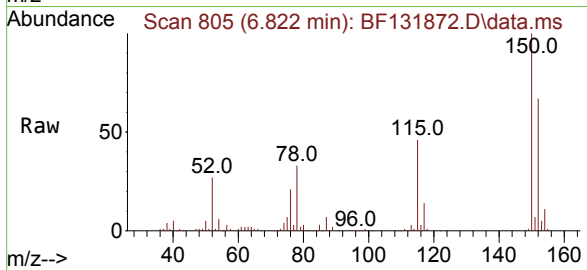




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

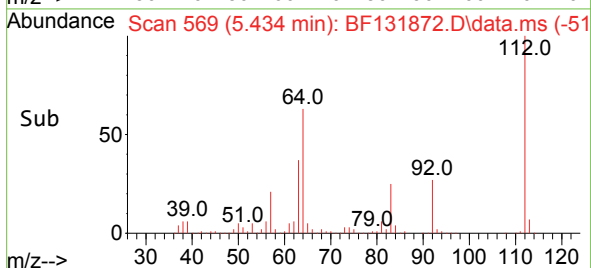
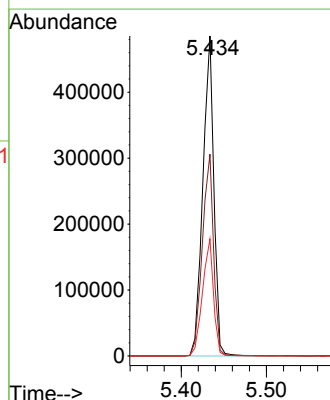
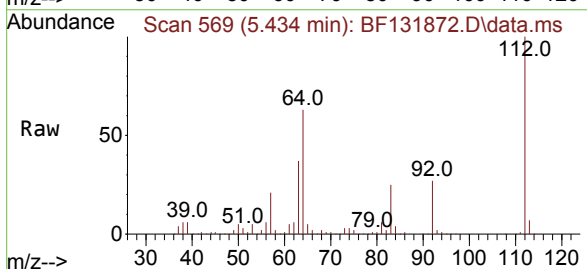
Instrument :
BNA_F
ClientSampleId :
TP-1

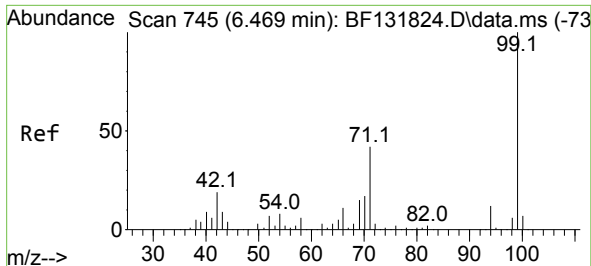
Tgt Ion:152 Resp: 65316
Ion Ratio Lower Upper
152 100
150 149.3 120.0 180.0
115 68.3 55.1 82.7



#5
2-Fluorophenol
Concen: 110.367 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

Tgt Ion:112 Resp: 434989
Ion Ratio Lower Upper
112 100
64 63.1 49.2 73.8
63 36.6 27.5 41.3

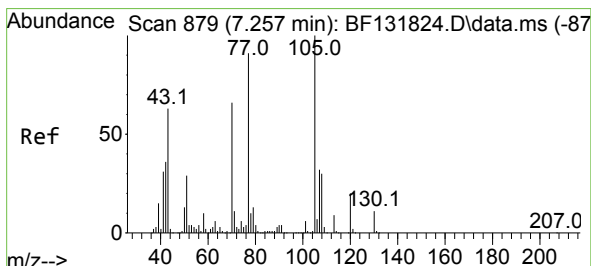
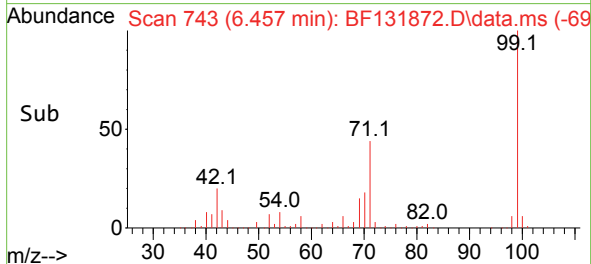
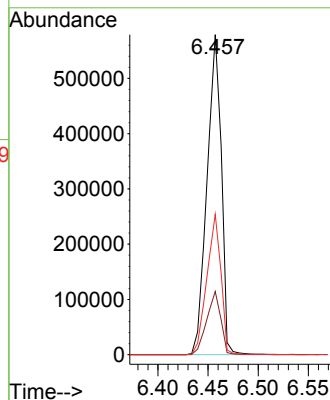
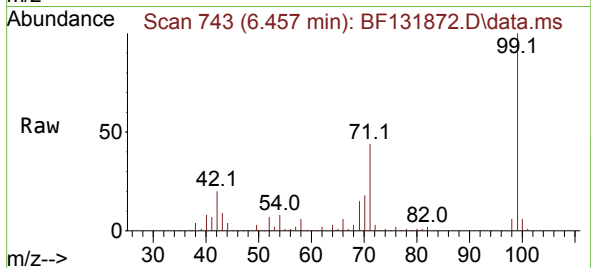




#7
Phenol-d6
Concen: 111.425 ng
RT: 6.457 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

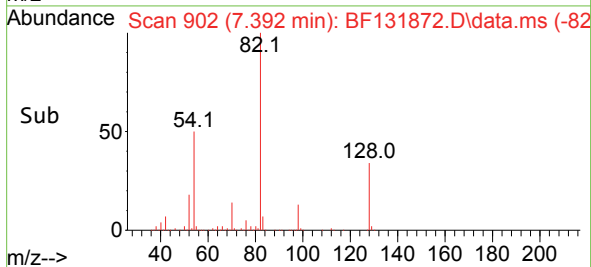
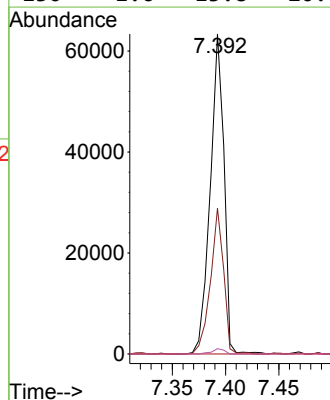
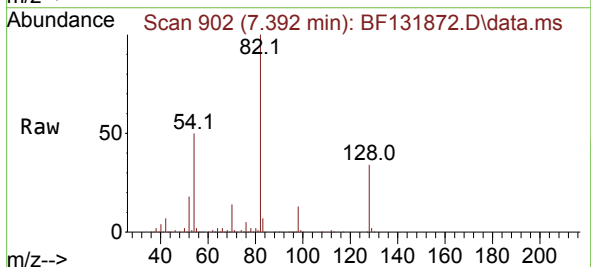
Instrument :
BNA_F
ClientSampleId :
TP-1

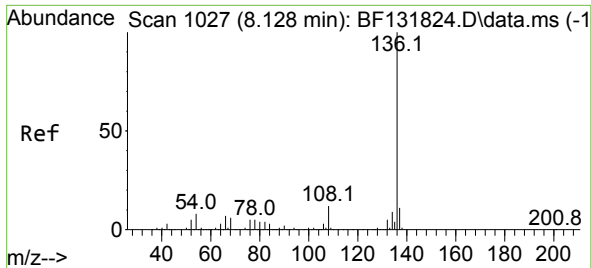
Tgt Ion: 99 Resp: 576973
Ion Ratio Lower Upper
99 100
42 19.8 15.3 22.9
71 43.9 33.5 50.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.625 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.135 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

Tgt Ion: 70 Resp: 57142
Ion Ratio Lower Upper
70 100
42 45.6 43.8 65.6
101 0.0 7.4 11.0#
130 1.6 13.8 20.6#

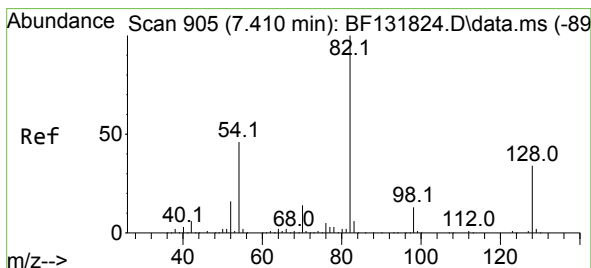
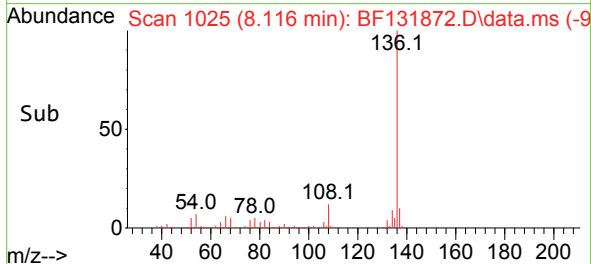
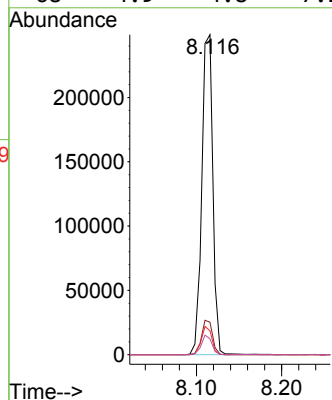
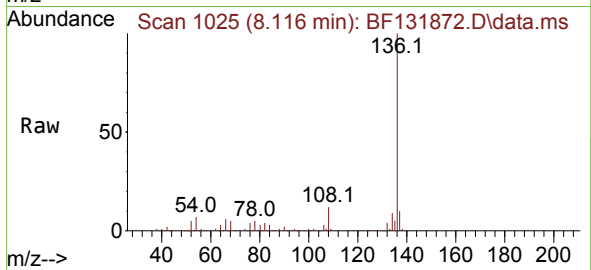




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

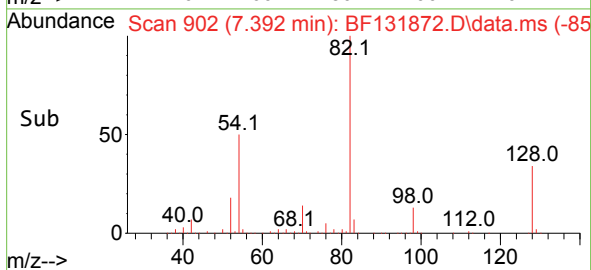
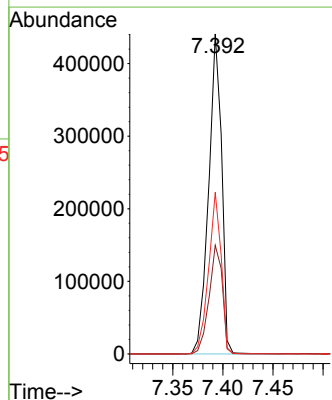
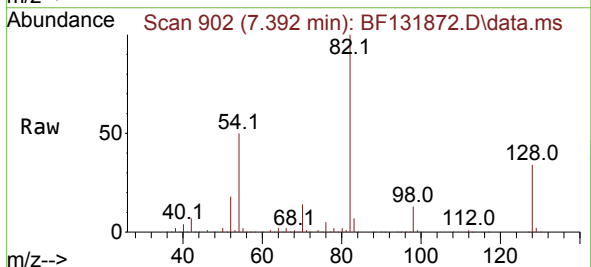
Instrument :
BNA_F
ClientSampleId :
TP-1

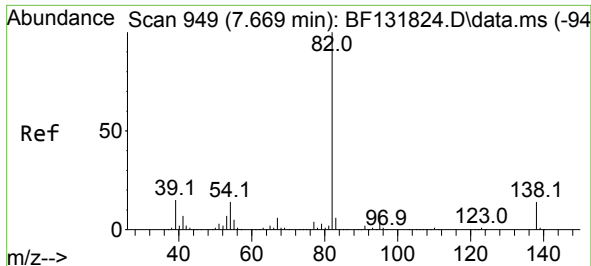
Tgt Ion:	136	Resp:	224225
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.6	12.8
54	7.5	6.7	10.1
68	4.9	4.8	7.2



#23
Nitrobenzene-d5
Concen: 71.151 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.018 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

Tgt Ion:	82	Resp:	399590
Ion	Ratio	Lower	Upper
82	100		
128	33.9	27.1	40.7
54	50.5	37.0	55.6

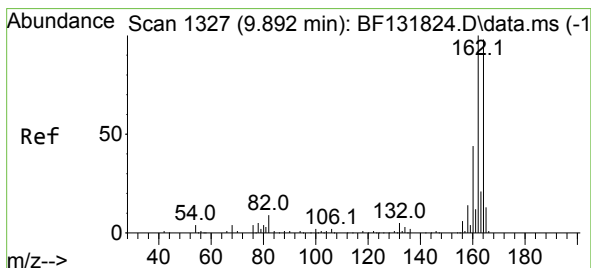
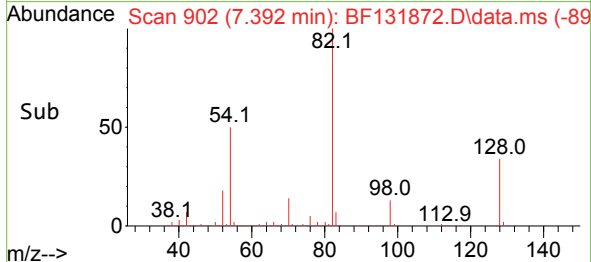
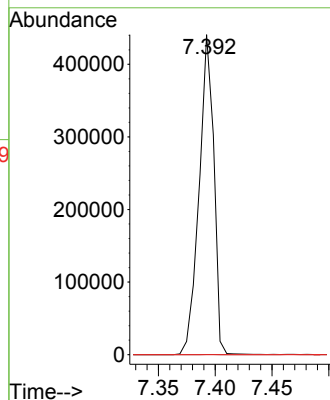
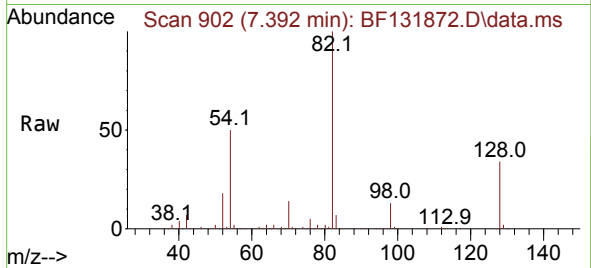




#25
Isophorone
Concen: 43.397 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

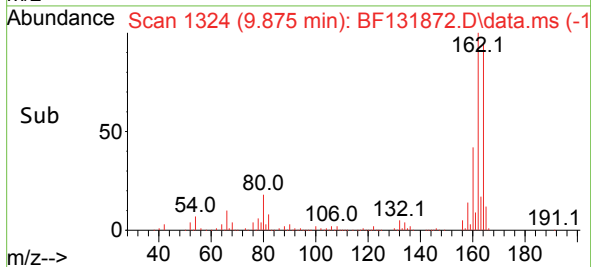
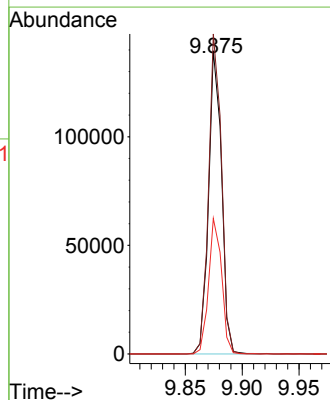
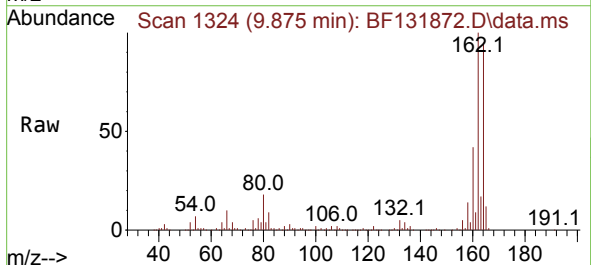
Instrument :
BNA_F
ClientSampleId :
TP-1

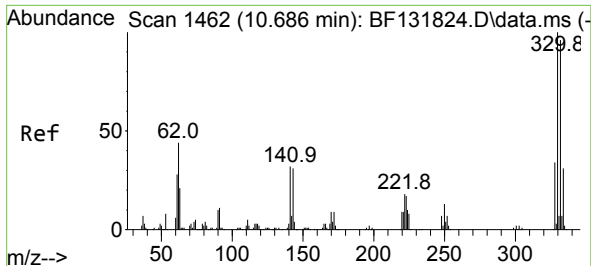
Tgt Ion: 82 Resp: 398013
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 11.5 17.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.018 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

Tgt Ion:164 Resp: 110475
Ion Ratio Lower Upper
164 100
162 105.5 81.8 122.6
160 44.7 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 93.265 ng

RT: 10.669 min Scan# 1462

Delta R.T. -0.018 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

Instrument :

BNA_F

ClientSampleId :

TP-1

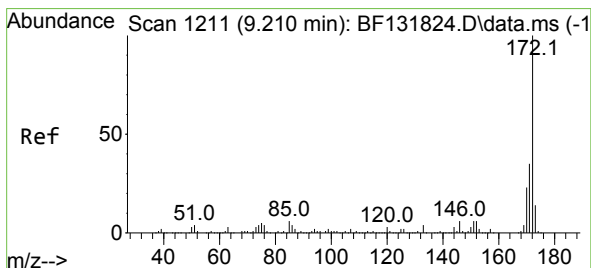
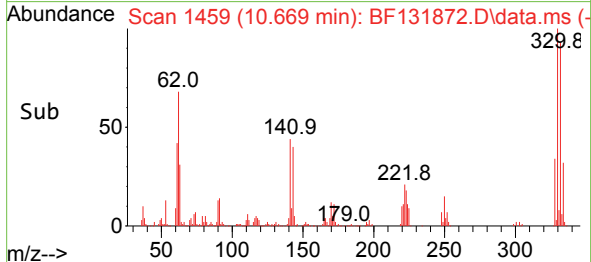
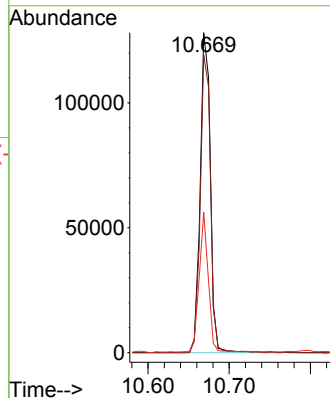
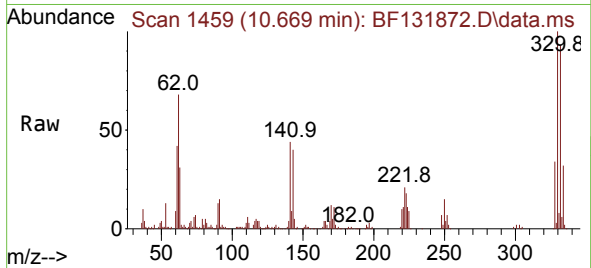
Tgt Ion:330 Resp: 111947

Ion Ratio Lower Upper

330 100

332 93.4 77.0 115.4

141 39.1 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 79.876 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.012 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

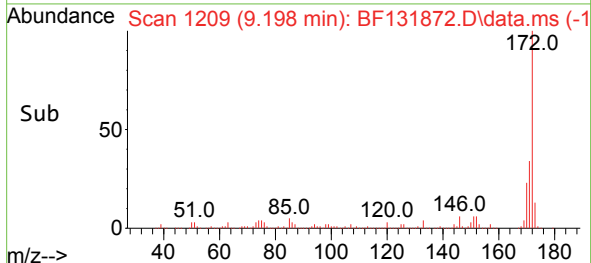
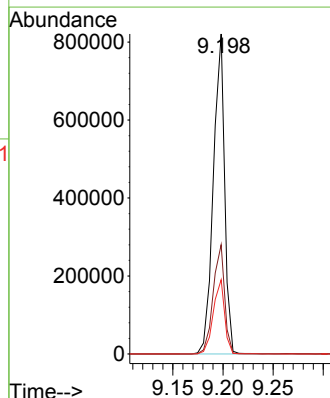
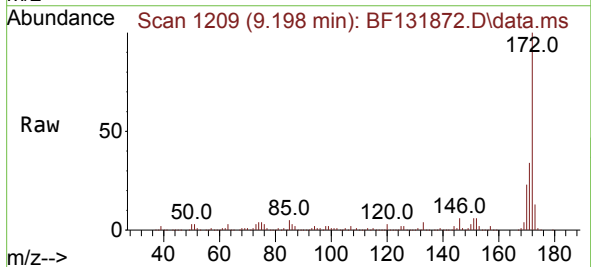
Tgt Ion:172 Resp: 644238

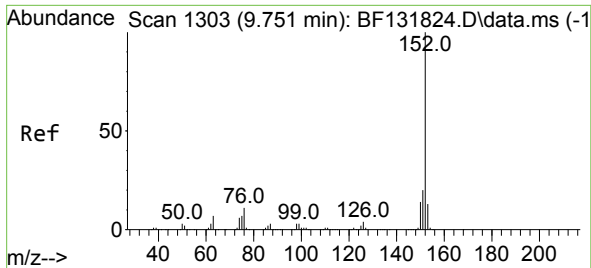
Ion Ratio Lower Upper

172 100

171 34.2 27.9 41.9

170 23.2 18.7 28.1





#49

Acenaphthylene

Concen: 5.840 ng

RT: 9.739 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

Instrument :

BNA_F

ClientSampleId :

TP-1

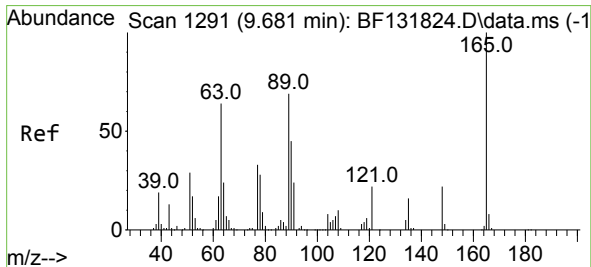
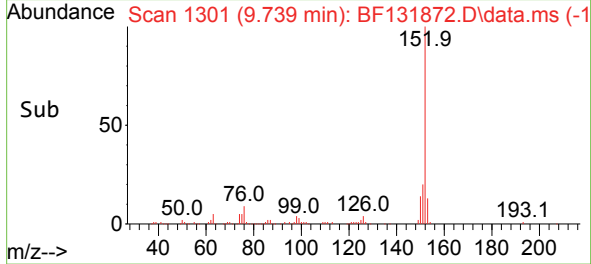
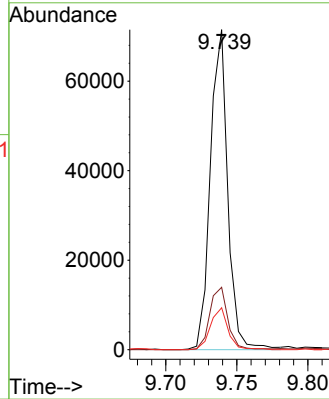
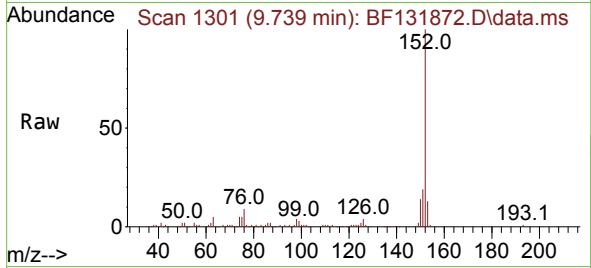
Tgt Ion:152 Resp: 60846

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.6

153 13.1 10.2 15.4



#51

2,6-Dinitrotoluene

Concen: 8.493 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.194 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

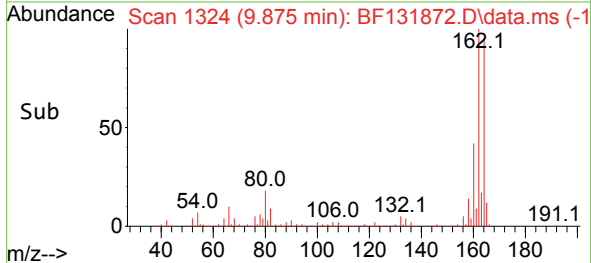
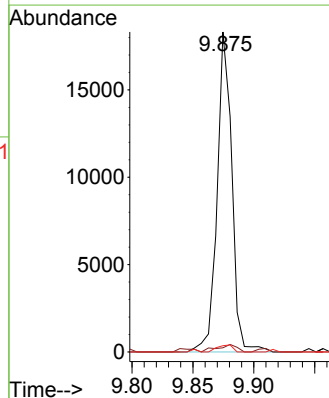
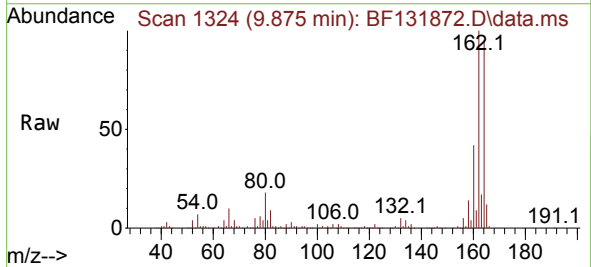
Tgt Ion:165 Resp: 15366

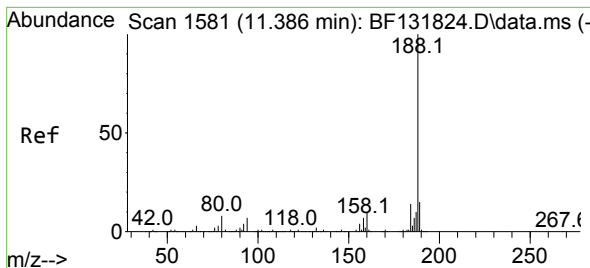
Ion Ratio Lower Upper

165 100

63 1.3 55.1 82.7#

89 1.9 55.0 82.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

Instrument :

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TP-1

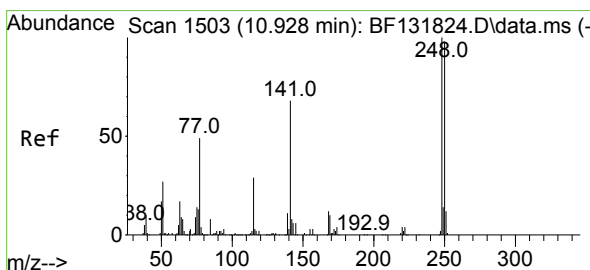
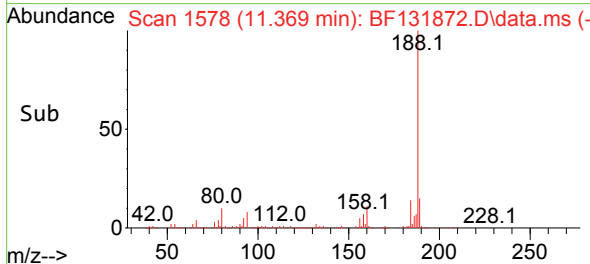
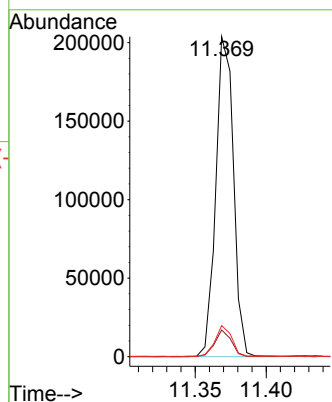
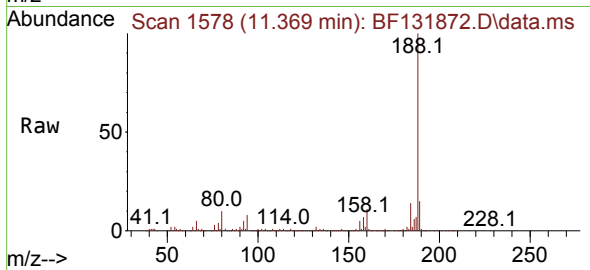
Tgt Ion:188 Resp: 176467

Ion Ratio Lower Upper

188 100

94 8.4 5.8 8.6

80 9.7 6.7 10.1



#67

4-Bromophenyl-phenylether

Concen: 3.634 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.259 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

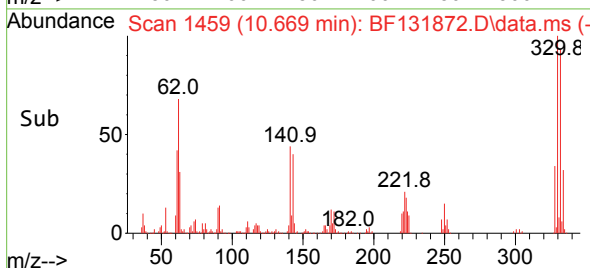
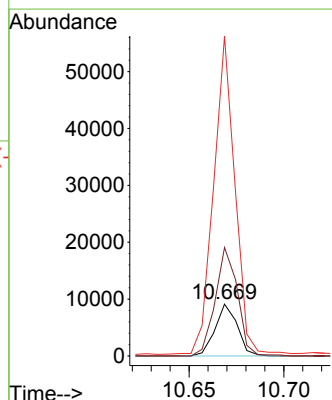
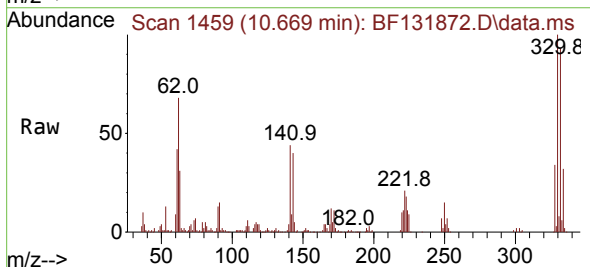
Tgt Ion:248 Resp: 7432

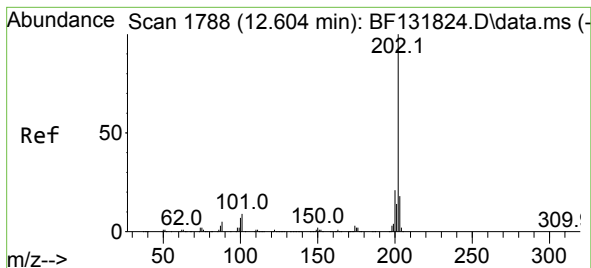
Ion Ratio Lower Upper

248 100

250 209.3 78.0 117.0#

141 617.0 54.8 82.2#





#75

Fluoranthene

Concen: 8.743 ng

RT: 12.592 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

Instrument :

BNA_F

ClientSampleId :

TP-1

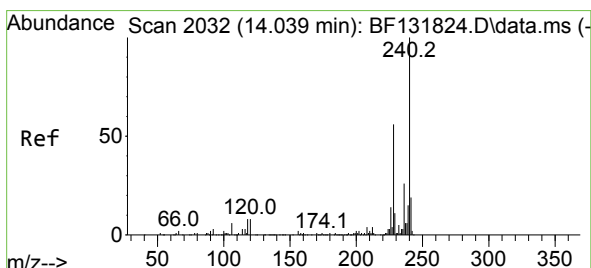
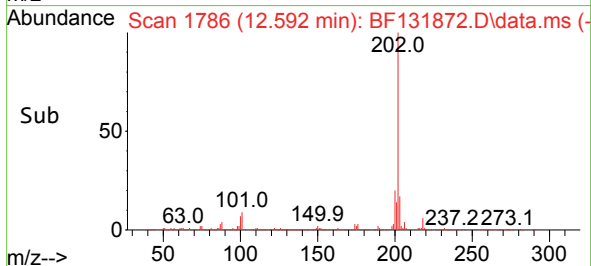
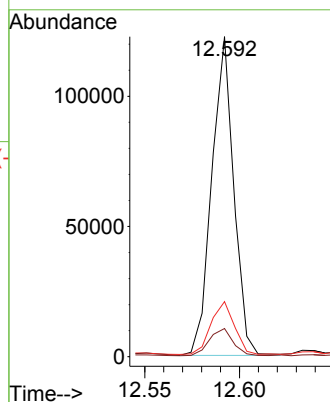
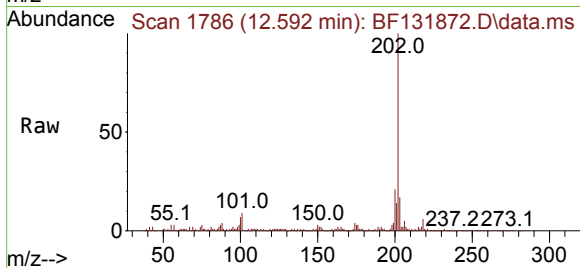
Tgt Ion:202 Resp: 98829

Ion Ratio Lower Upper

202 100

101 8.8 0.0 28.6

203 17.2 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

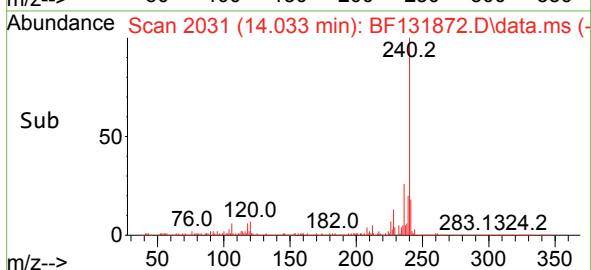
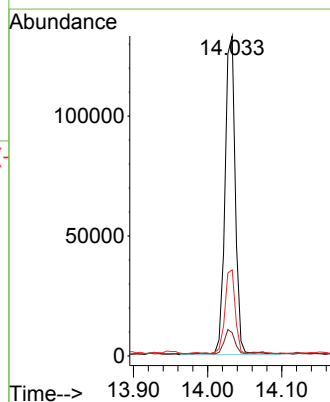
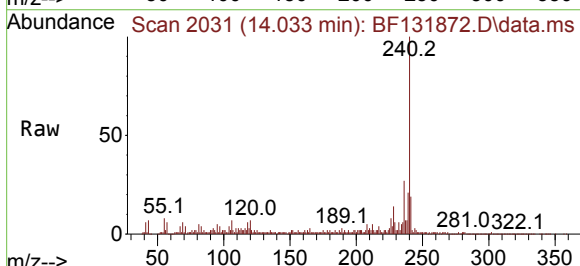
Tgt Ion:240 Resp: 129571

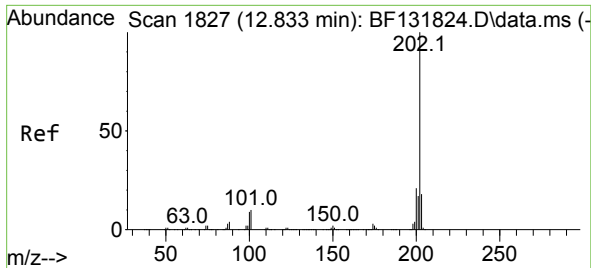
Ion Ratio Lower Upper

240 100

120 7.3 6.7 10.1

236 26.9 20.6 31.0

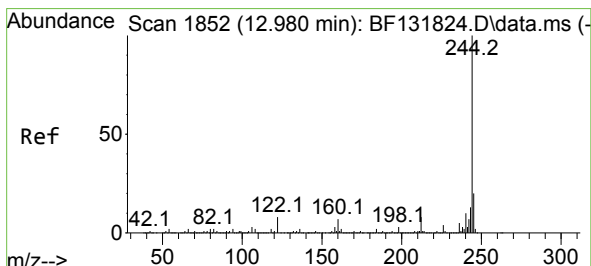
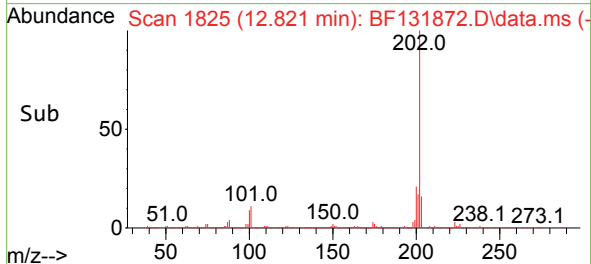
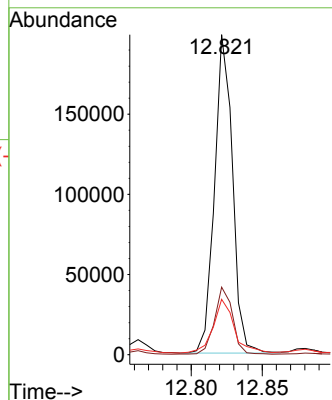
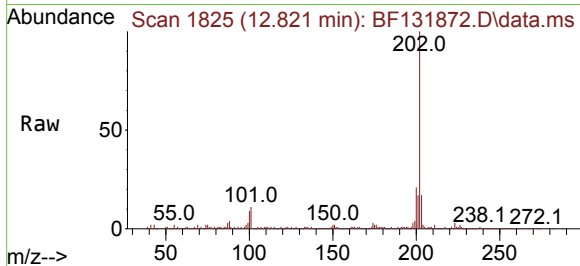




#78
 Pyrene
 Concen: 16.124 ng
 RT: 12.821 min Scan# 1825
 Delta R.T. -0.012 min
 Lab File: BF131872.D
 Acq: 28 Dec 2022 21:09

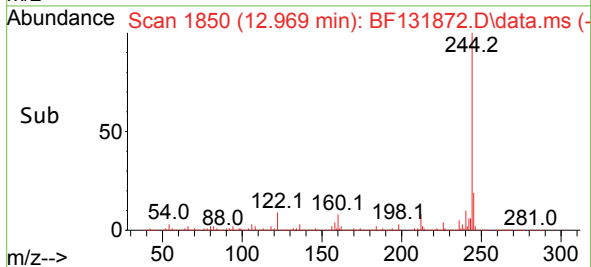
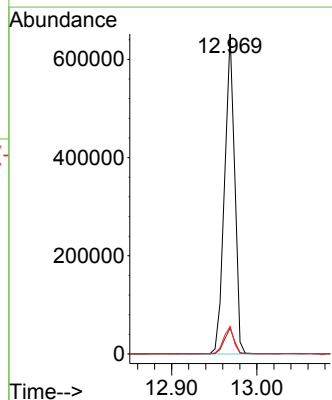
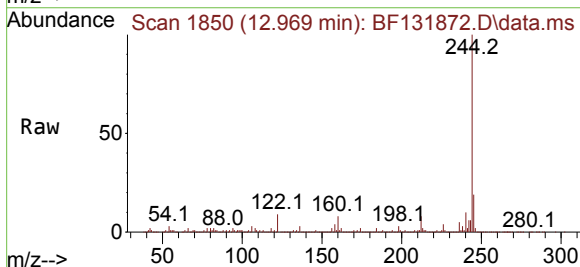
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

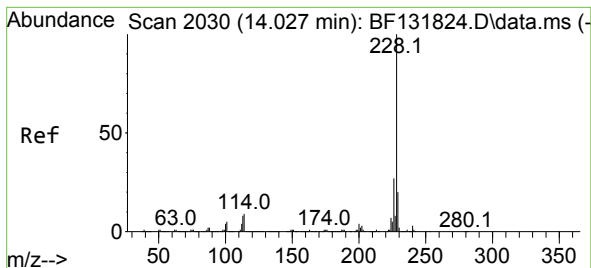
Tgt Ion:202 Resp: 175114
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.7 25.1
 203 17.3 14.4 21.6



#79
 Terphenyl-d14
 Concen: 69.952 ng
 RT: 12.969 min Scan# 1850
 Delta R.T. -0.012 min
 Lab File: BF131872.D
 Acq: 28 Dec 2022 21:09

Tgt Ion:244 Resp: 535832
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.3 9.5
 122 8.6 6.4 9.6





#81

Benzo(a)anthracene

Concen: 12.652 ng

RT: 14.057 min Scan# 2035

Delta R.T. 0.029 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

Instrument :

BNA_F

ClientSampleId :

TP-1

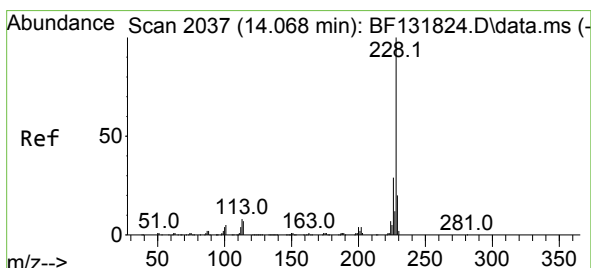
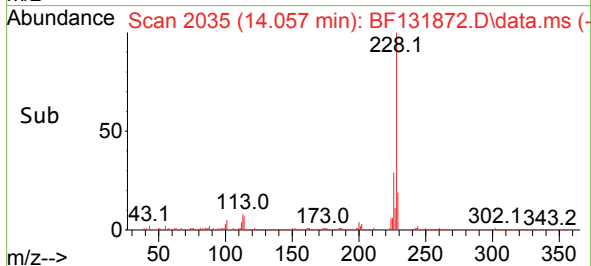
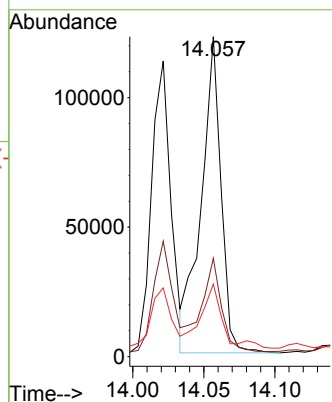
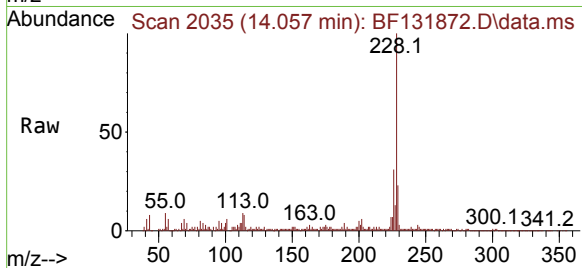
Tgt Ion:228 Resp: 118692

Ion Ratio Lower Upper

228 100

226 30.8 22.0 33.0

229 22.7 16.0 24.0



#83

Chrysene

Concen: 13.464 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

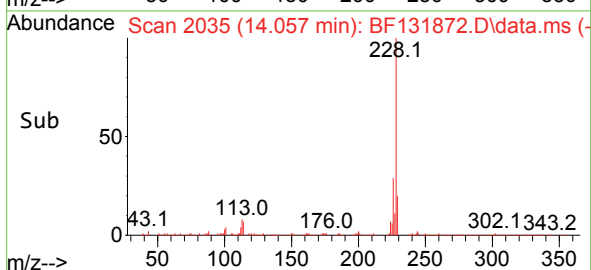
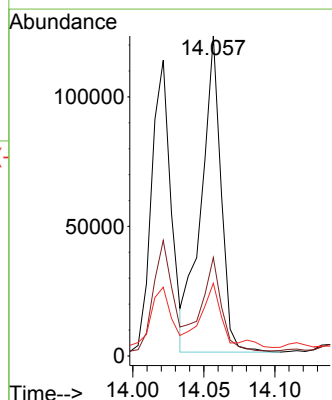
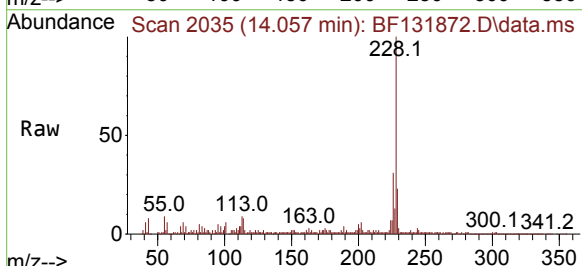
Tgt Ion:228 Resp: 118692

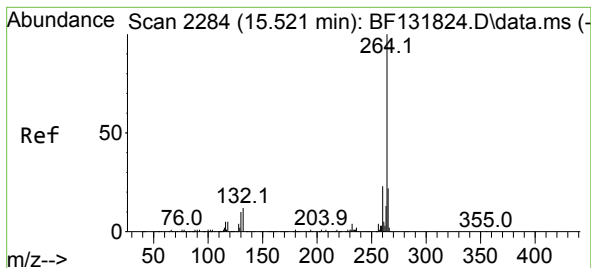
Ion Ratio Lower Upper

228 100

226 30.8 23.5 35.3

229 22.7 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

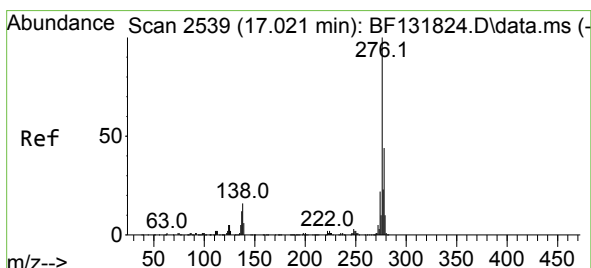
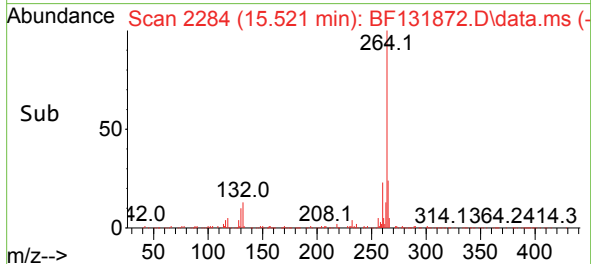
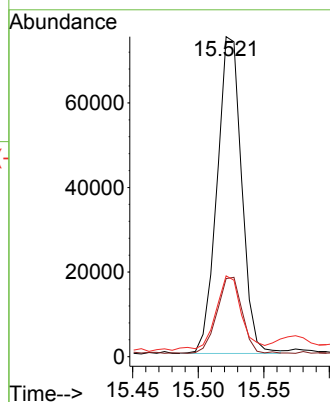
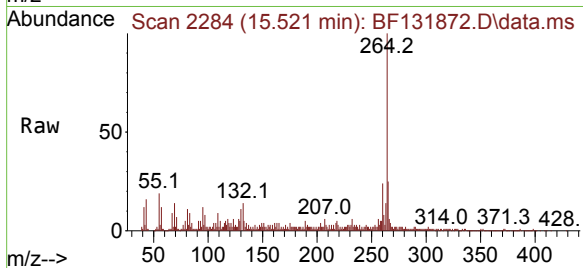
Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:	264	Resp:	97511
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.6	28.0
265	25.3	17.4	26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.401 ng

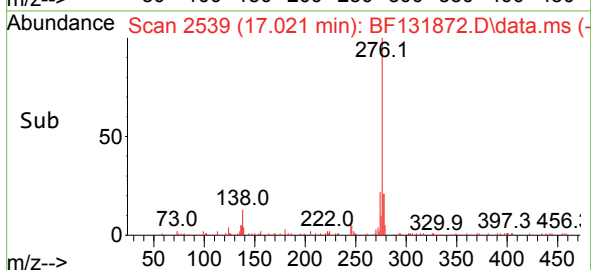
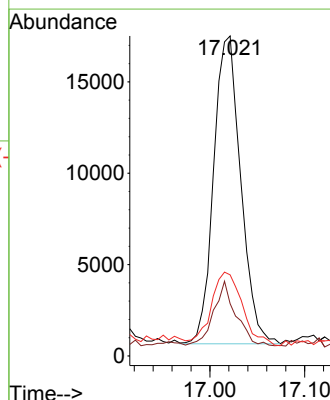
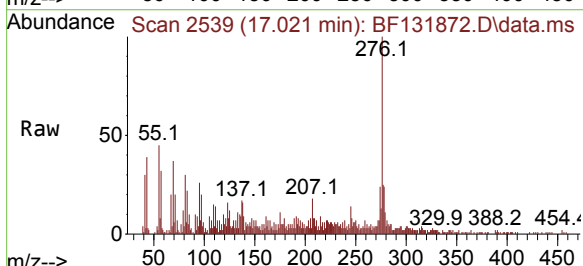
RT: 17.021 min Scan# 2539

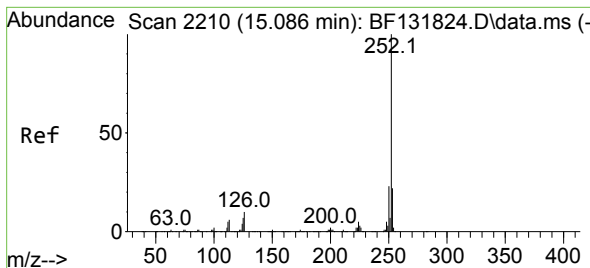
Delta R.T. -0.000 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

Tgt Ion:	276	Resp:	33461
Ion Ratio	Lower	Upper	
276	100		
138	17.1	14.5	21.7
277	28.0	19.7	29.5





#88

Benzo(b)fluoranthene

Concen: 16.882 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.000 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

Instrument :

BNA_F

ClientSampleId :

TP-1

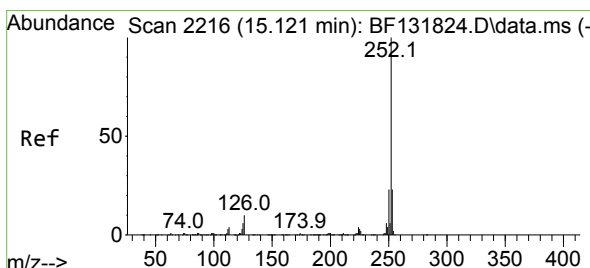
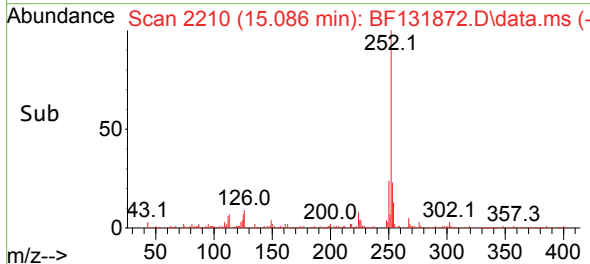
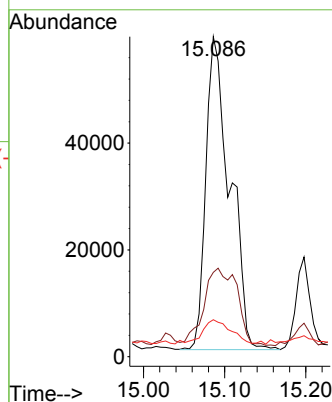
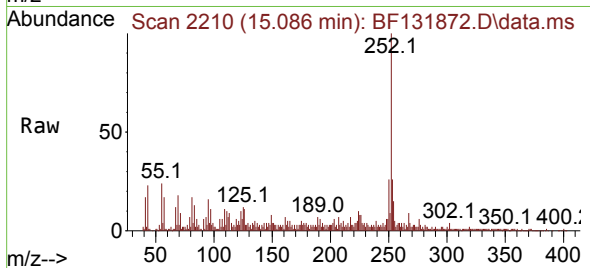
Tgt Ion:252 Resp: 120702

Ion Ratio Lower Upper

252 100

253 26.4 17.6 26.4

125 11.6 5.8 8.8#



#89

Benzo(k)fluoranthene

Concen: 17.472 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.035 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

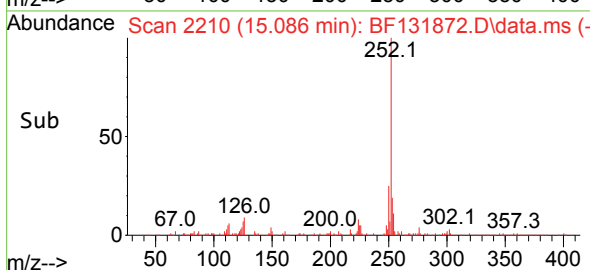
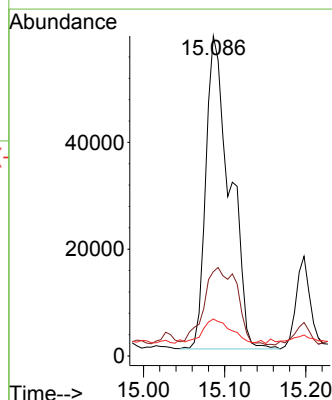
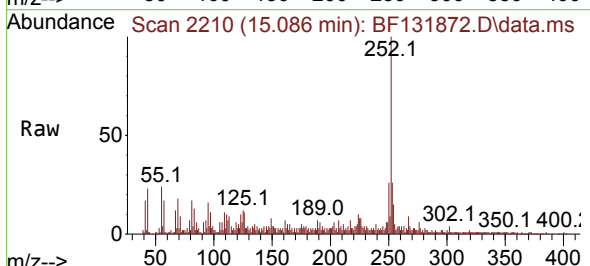
Tgt Ion:252 Resp: 120702

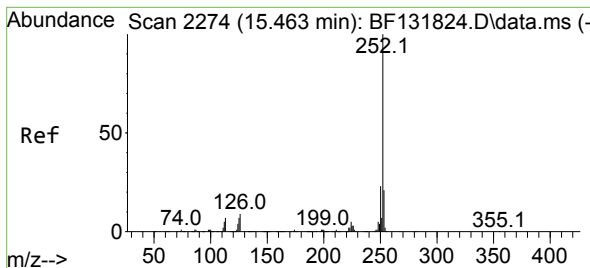
Ion Ratio Lower Upper

252 100

253 26.4 17.7 26.5

125 11.6 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 13.139 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

Instrument :

BNA_F

ClientSampleId :

TP-1

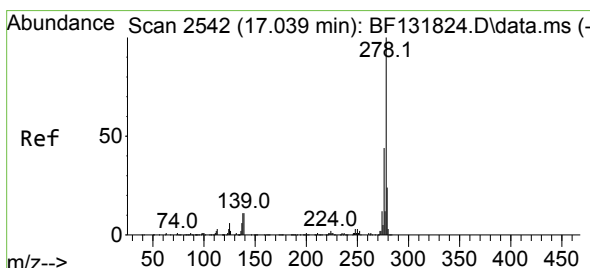
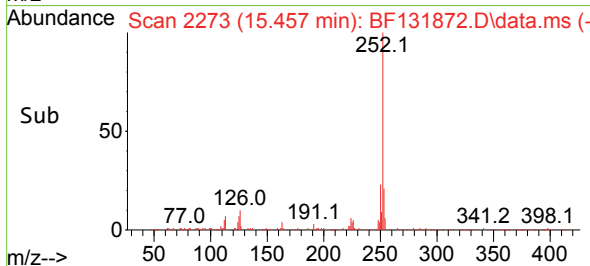
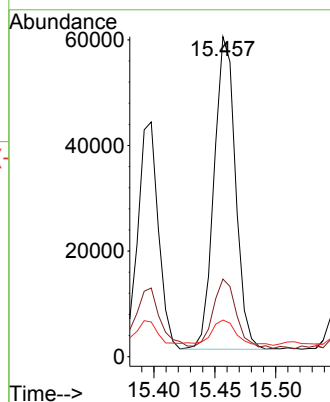
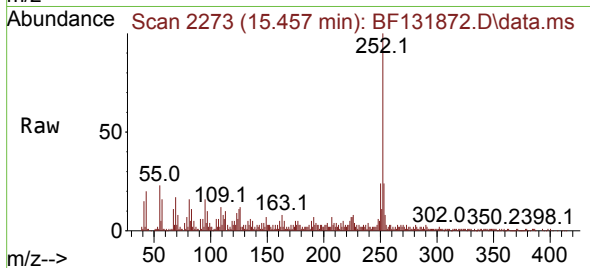
Tgt Ion:252 Resp: 72732

Ion Ratio Lower Upper

252 100

253 24.2 16.6 24.8

125 11.4 5.8 8.8#



#91

Dibenzo(a,h)anthracene

Concen: 2.135 ng

RT: 17.027 min Scan# 2540

Delta R.T. -0.012 min

Lab File: BF131872.D

Acq: 28 Dec 2022 21:09

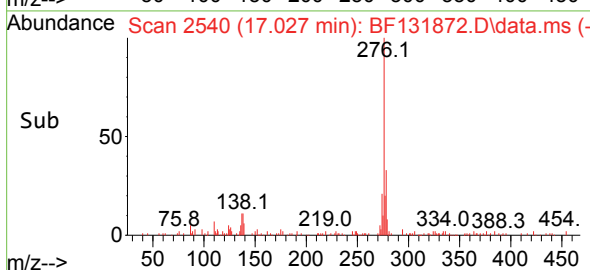
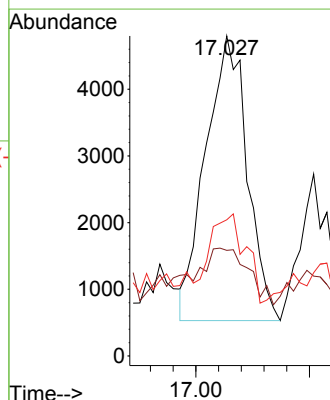
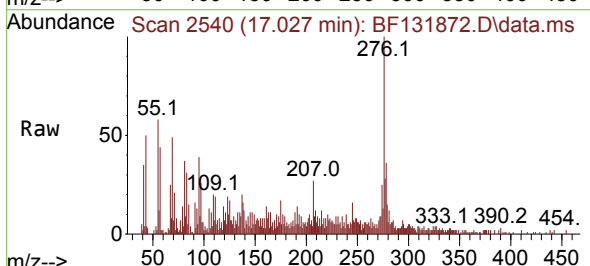
Tgt Ion:278 Resp: 10835

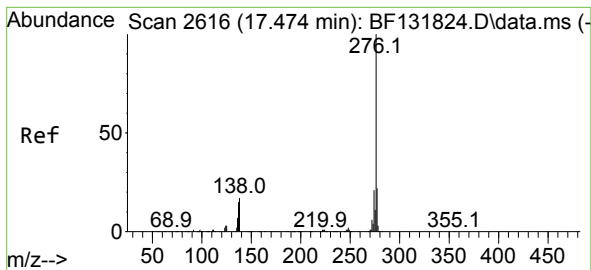
Ion Ratio Lower Upper

278 100

139 33.0 8.6 12.8#

279 42.6 19.0 28.4#





#92

Benzo(g,h,i)perylene

Concen: 10.373 ng

RT: 17.474 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF131872.D

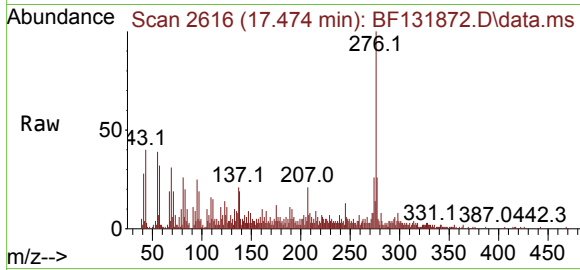
Acq: 28 Dec 2022 21:09

Instrument :

BNA_F

ClientSampleId :

TP-1



Tgt Ion:276 Resp: 34541

Ion Ratio Lower Upper

276 100

277 25.7 17.9 26.9

138 19.0 13.7 20.5

