

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133648.D
 Acq On : 08 Jun 2023 18:45
 Operator : CG\JU
 Sample : 03029-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Time: Jun 09 04:39:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

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

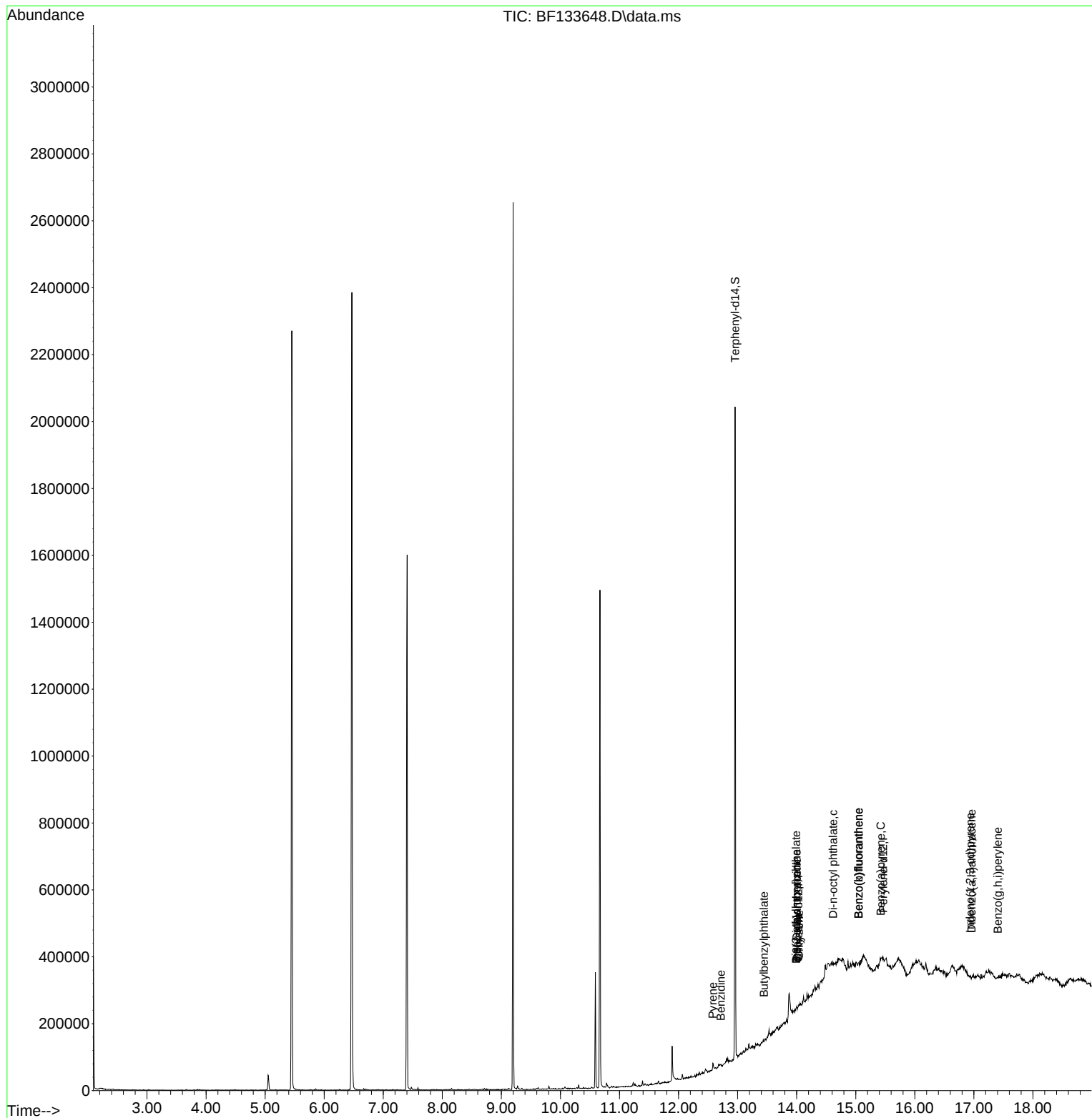
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-6.84
21) Naphthalene-d8	0.000	136	0	0.000	ng	-8.12
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-9.88
64) Phenanthrene-d10	0.000	188	0	0.000	ng	-11.37
76) Chrysene-d12	14.027	240	189	20.000	ng	# 0.01
86) Perylene-d12	15.462	264	351	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	623896	0.000	ng	0.00
7) Phenol-d6	6.469	99	745123	0.000	ng	0.00
23) Nitrobenzene-d5	7.404	82	450917	0.000	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	166129	0.000	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	717305	0.000	ng	0.00
79) Terphenyl-d14	12.957	244	651539	61292.389	ng	0.00
Target Compounds						Qvalue
77) Benzidine	12.716	184	376	68.020	ng	# 1
78) Pyrene	12.580	202	7876	489.708	ng	95
80) Butylbenzylphthalate	13.445	149	426	66.945	ng	# 61
81) Benzo(a)anthracene	14.004	228	3130	248.599	ng	# 80
82) 3,3'-Dichlorobenzidine	13.998	252	491	124.749	ng	# 70
83) Chrysene	14.039	228	3261	256.563	ng	# 62
84) Bis(2-ethylhexyl)phtha...	13.992	149	1706	214.481	ng	# 75
85) Di-n-octyl phthalate	14.615	149	739	55.773	ng	# 46
87) Indeno(1,2,3-cd)pyrene	16.939	276	2824	126.307	ng	# 77
88) Benzo(b)fluoranthene	15.051	252	6763	295.894	ng	# 41
89) Benzo(k)fluoranthene	15.051	252	6763	303.459	ng	# 42
90) Benzo(a)pyrene	15.421	252	3461	166.413	ng	# 12
91) Dibenzo(a,h)anthracene	16.962	278	982	54.172	ng	# 1
92) Benzo(g,h,i)perylene	17.403	276	3277	179.282	ng	# 48

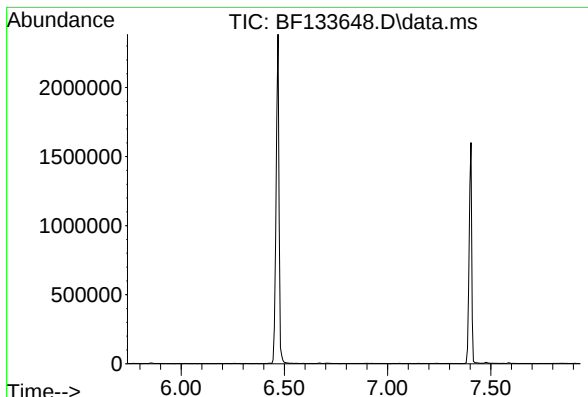
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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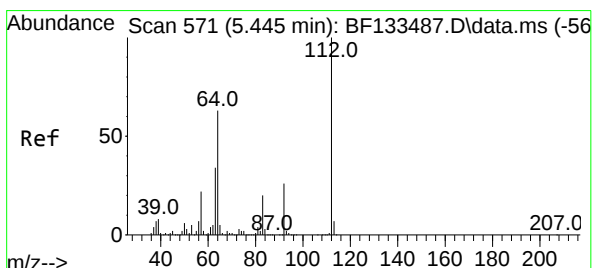
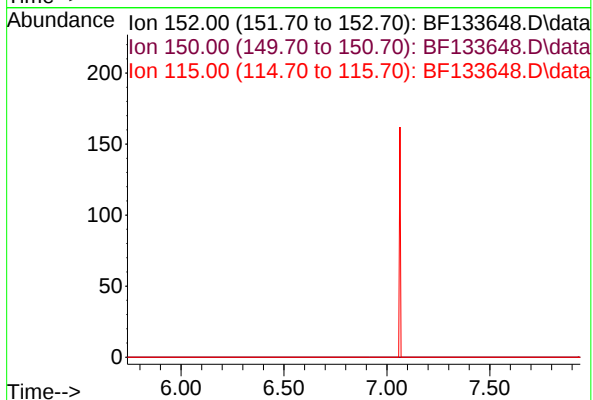


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.84 min
 Lab File: BF133648.D
 Acq: 08 Jun 2023 18:45

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Tgt Ion: 152

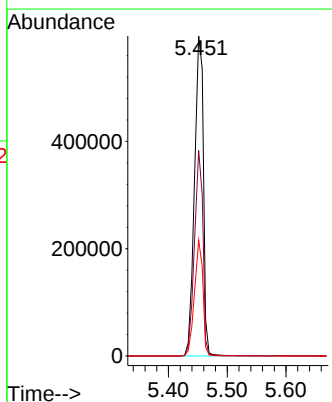
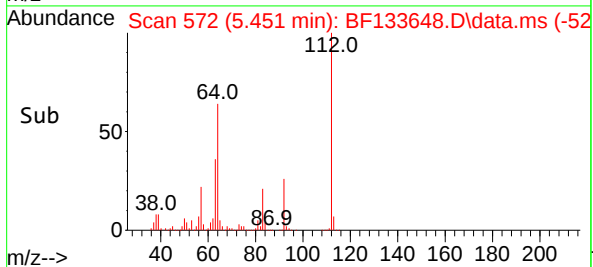
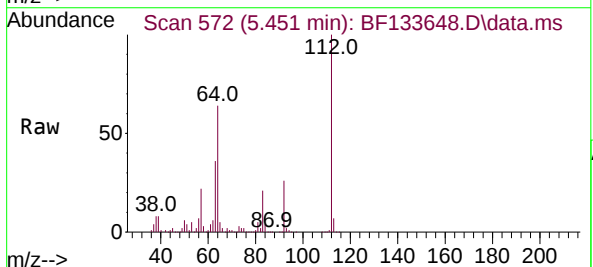
Sig	Exp Ratio
152	100
150	156.1
115	60.1

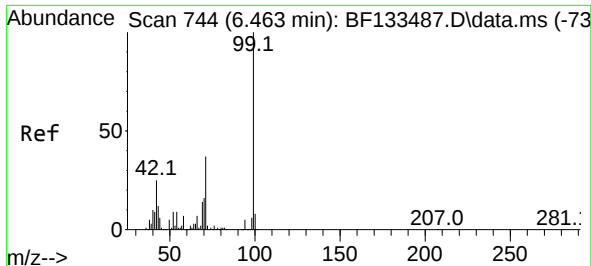


#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.451 min Scan# 572
 Delta R.T. 0.006 min
 Lab File: BF133648.D
 Acq: 08 Jun 2023 18:45

Tgt Ion: 112 Resp: 623896

Ion	Ratio	Lower	Upper
112	100		
64	64.2	50.1	75.1
63	36.2	27.5	41.3

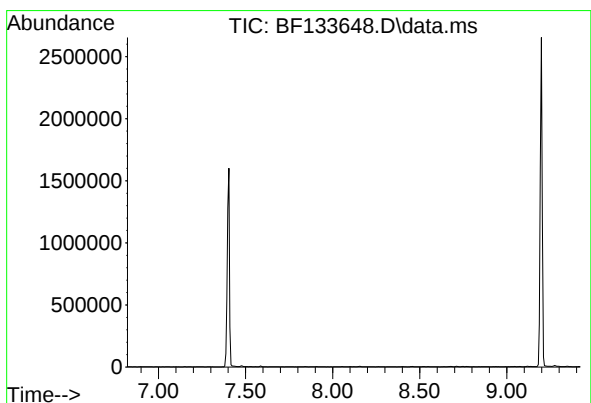
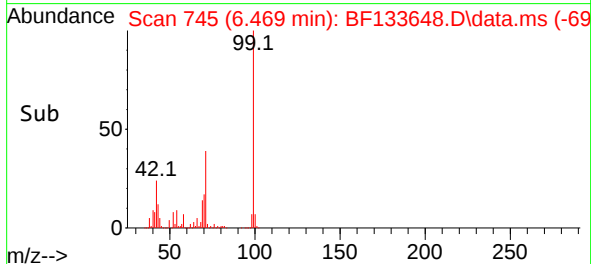
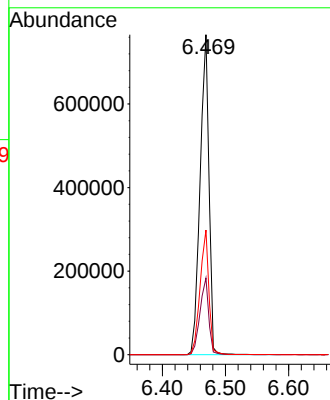
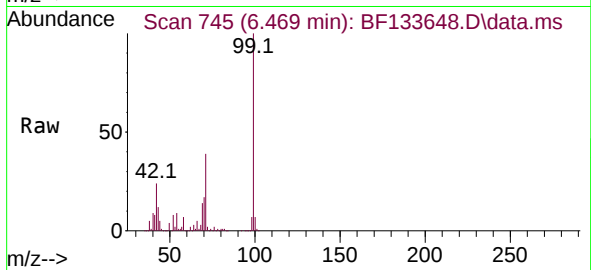




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

Instrument :
BNA_F
ClientSampleId :
TP-6

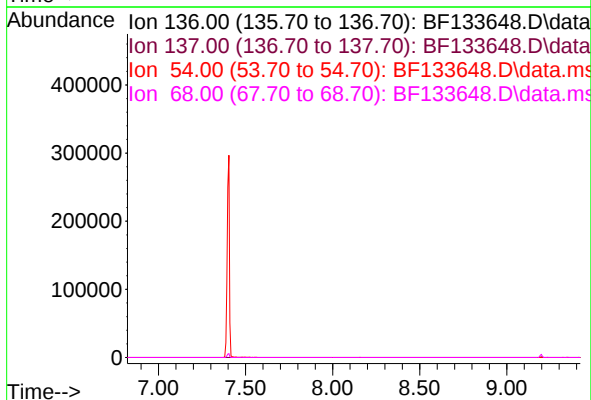
Tgt Ion: 99 Resp: 745123
Ion Ratio Lower Upper
99 100
42 24.0 19.7 29.5
71 38.9 29.8 44.8

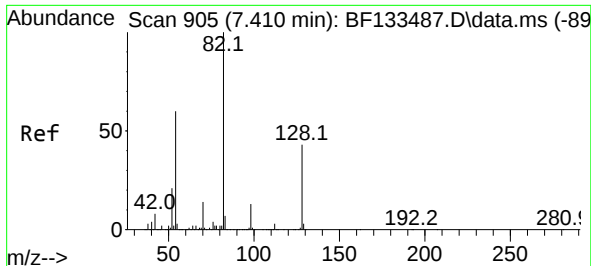


#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.12 min

Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

Tgt Ion: 136
Sig Exp Ratio
136 100
137 10.3
54 8.3
68 5.8

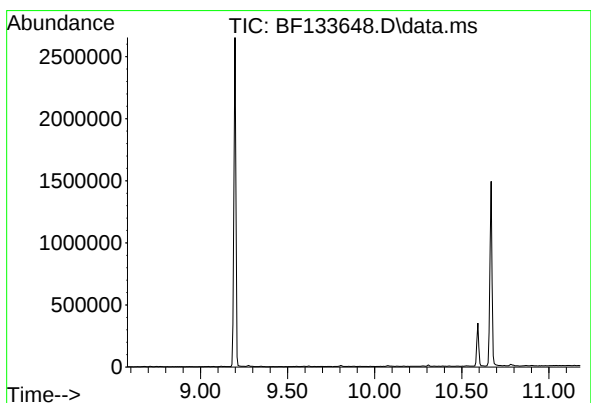
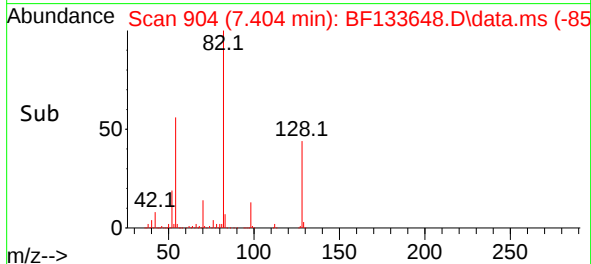
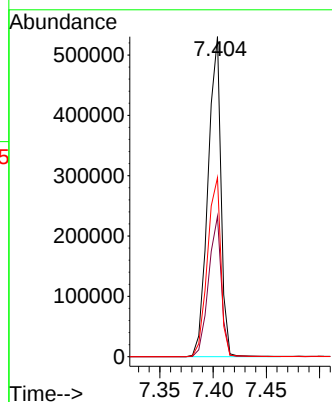
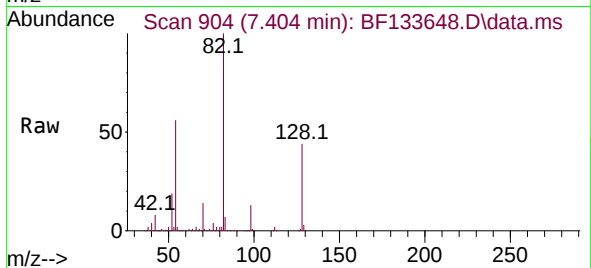




#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 7.404 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

Instrument :
BNA_F
ClientSampleId :
TP-6

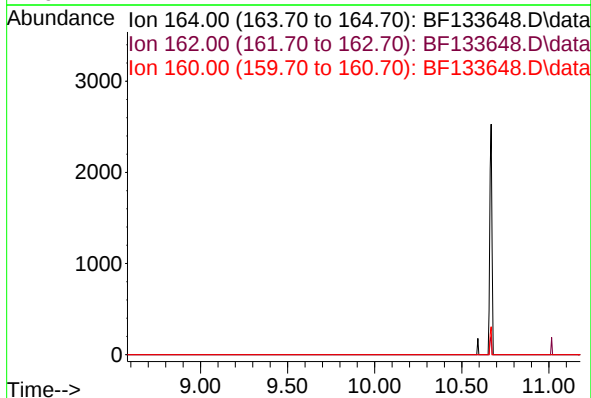
Tgt Ion: 82 Resp: 450917
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.4
54 56.0 48.2 72.4

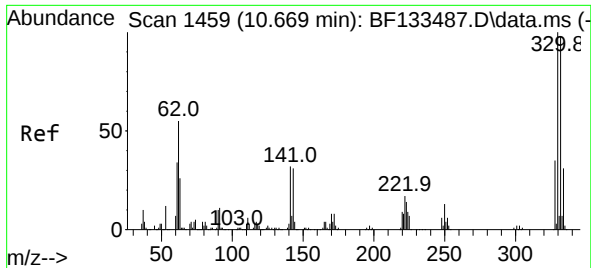


#39
Acenaphthene-d10
Concen: 0.000 ng
Expected RT: 9.88 min

Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

Tgt Ion: 164
Sig Exp Ratio
164 100
162 99.6
160 44.2

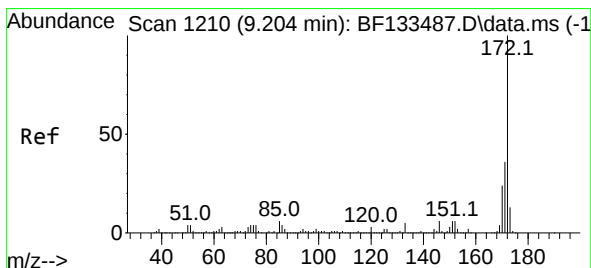
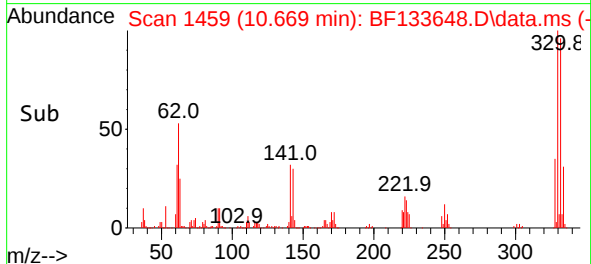
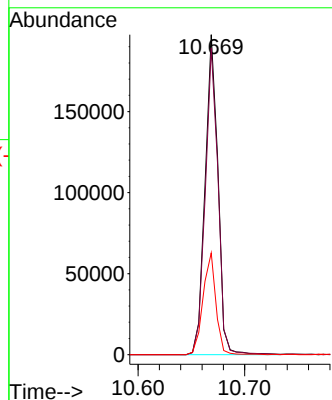
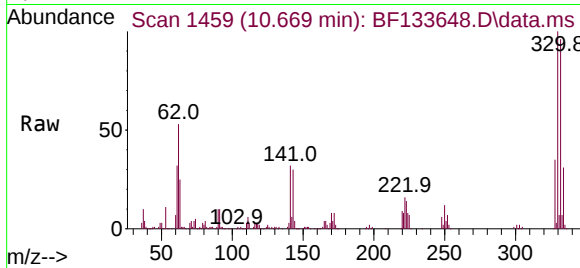




#42
2,4,6-Tribromophenol
Concen: 0.000 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

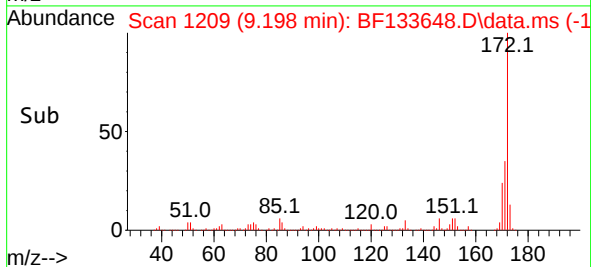
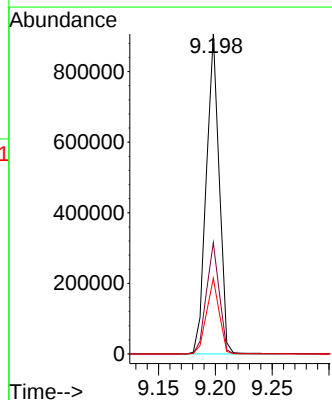
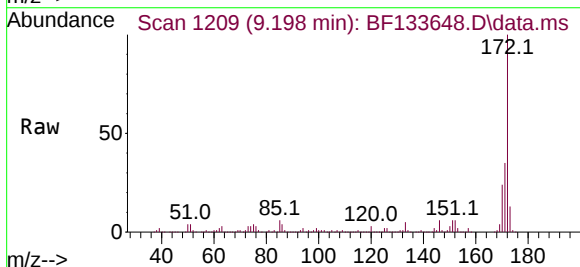
Instrument :
BNA_F
ClientSampleId :
TP-6

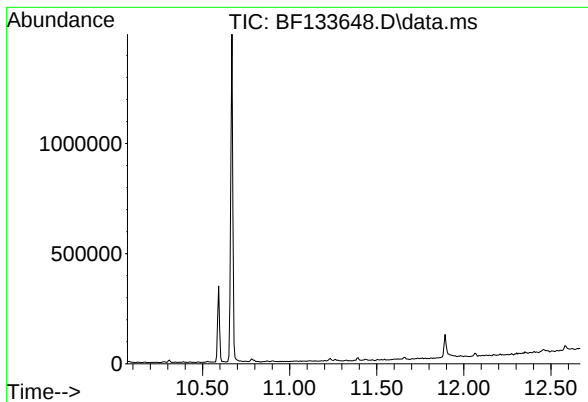
Tgt Ion: 330 Resp: 166129
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.6
141 31.9 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 0.000 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

Tgt Ion: 172 Resp: 717305
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 23.7 19.3 28.9



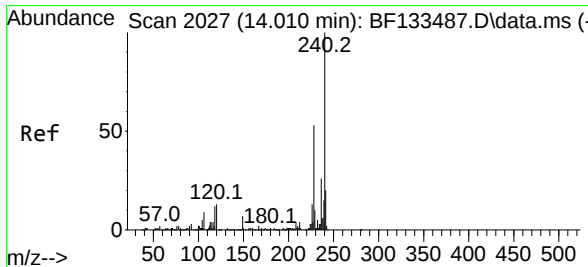
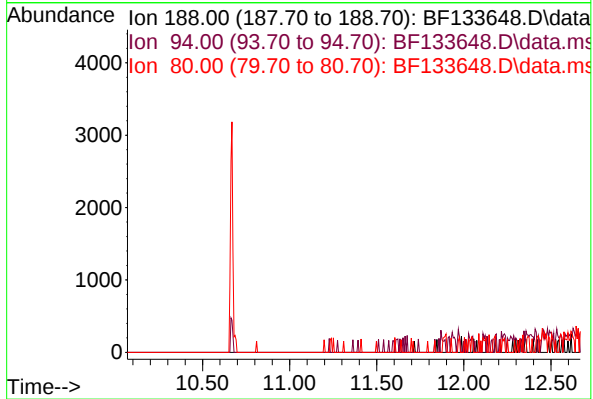


#64
 Phenanthrene-d10
 Concen: 0.000 ng
 Expected RT: 11.37 min
 Lab File: BF133648.D
 Acq: 08 Jun 2023 18:45

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Tgt Ion: 188

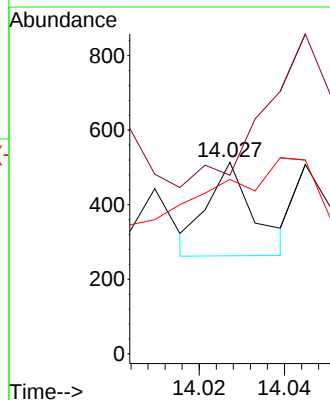
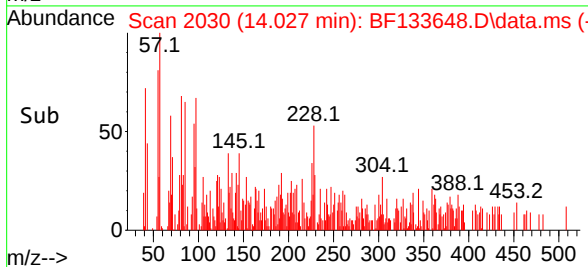
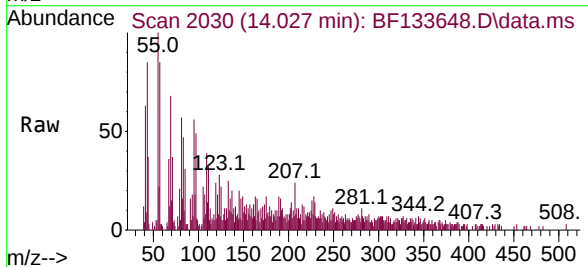
Sig	Exp Ratio
188	100
94	10.7
80	11.5

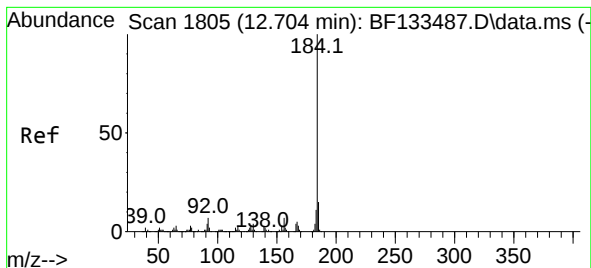


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. 0.012 min
 Lab File: BF133648.D
 Acq: 08 Jun 2023 18:45

Tgt Ion: 240 Resp: 189

Ion	Ratio	Lower	Upper
240	100		
120	93.2	10.3	15.5#
236	91.1	20.5	30.7#





#77

Benzidine

Concen: 68.020 ng

RT: 12.716 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

Instrument :

BNA_F

ClientSampleId :

TP-6

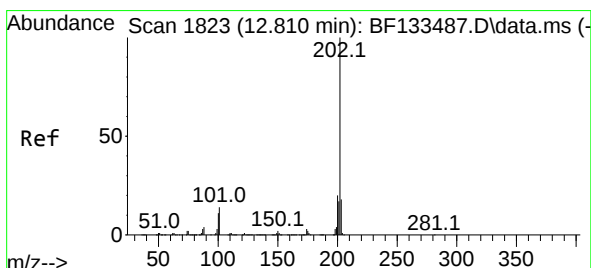
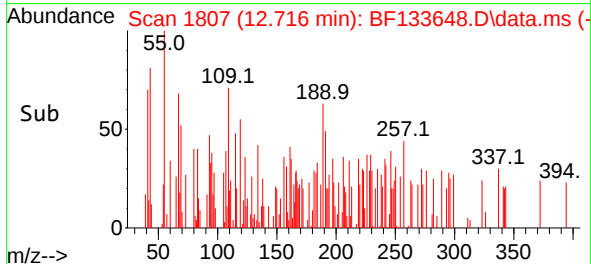
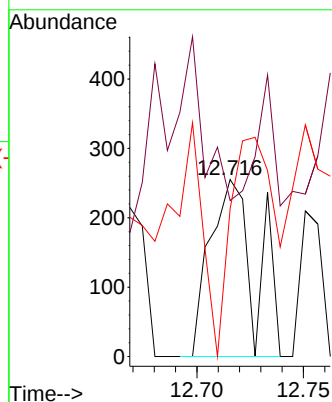
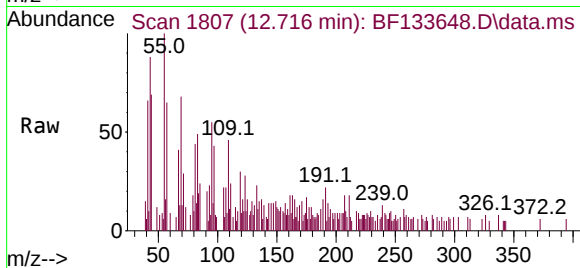
Tgt Ion:184 Resp: 376

Ion Ratio Lower Upper

184 100

185 88.2 12.2 18.2#

183 83.5 8.7 13.1#



#78

Pyrene

Concen: 489.708 ng

RT: 12.580 min Scan# 1784

Delta R.T. -0.235 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

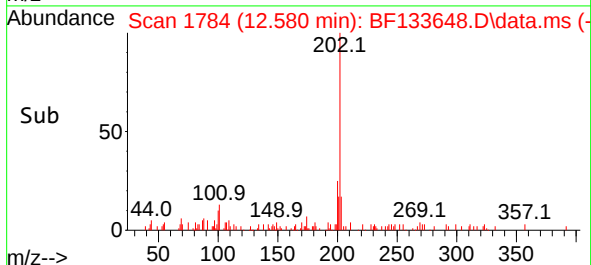
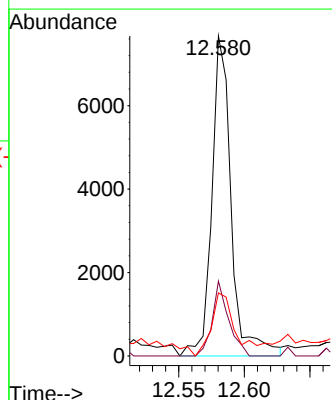
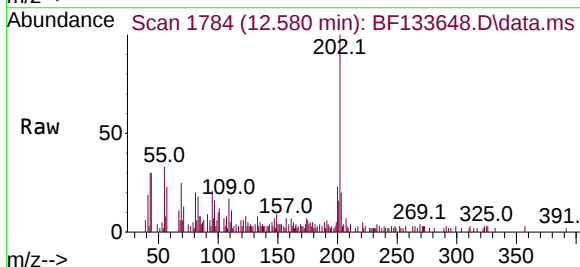
Tgt Ion:202 Resp: 7876

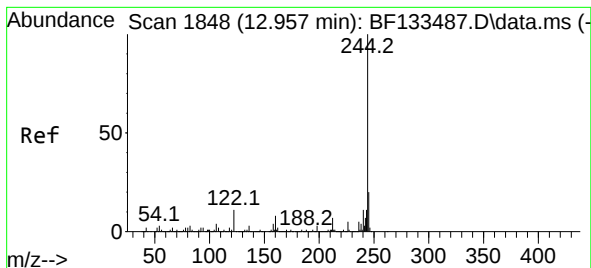
Ion Ratio Lower Upper

202 100

200 23.4 16.3 24.5

203 19.7 14.3 21.5





#79

Terphenyl-d14

Concen: 61292.389 ng

RT: 12.957 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

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TP-6

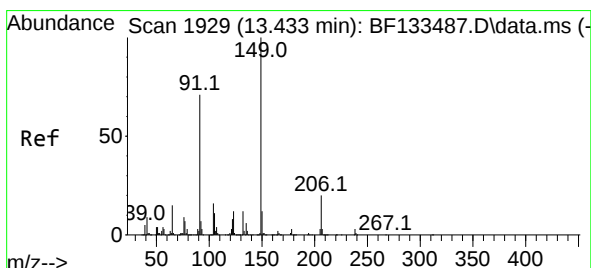
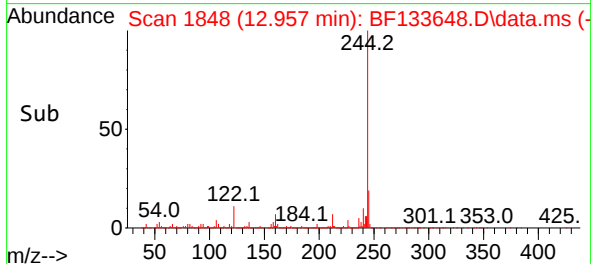
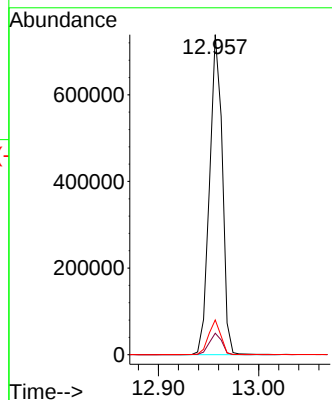
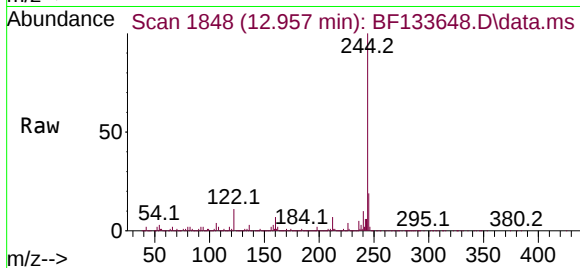
Tgt Ion:244 Resp: 651539

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 10.9 8.5 12.7



#80

Butylbenzylphthalate

Concen: 66.945 ng

RT: 13.445 min Scan# 1931

Delta R.T. 0.012 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

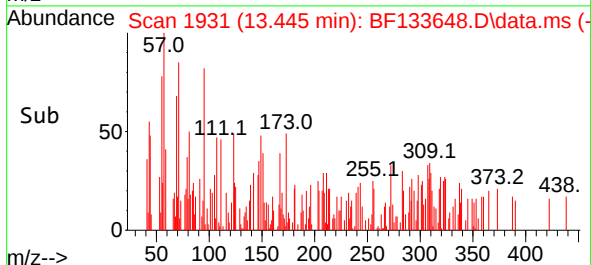
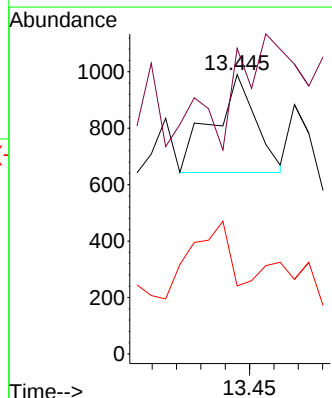
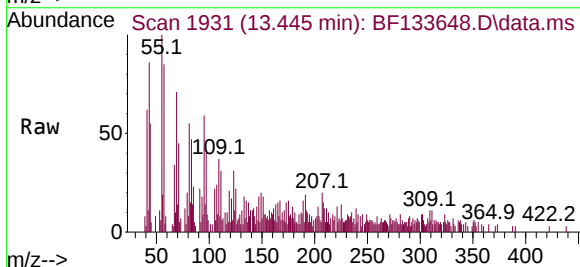
Tgt Ion:149 Resp: 426

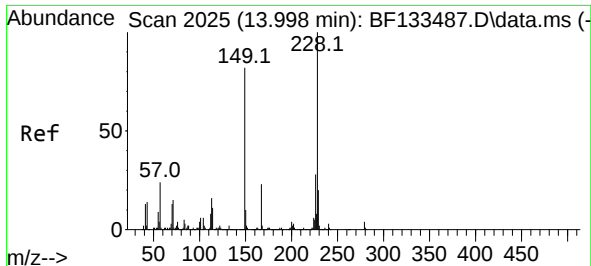
Ion Ratio Lower Upper

149 100

91 109.4 56.9 85.3#

206 24.3 15.7 23.5#

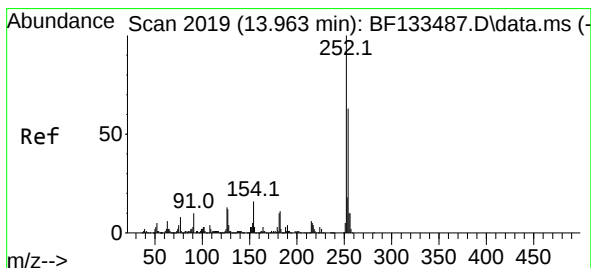
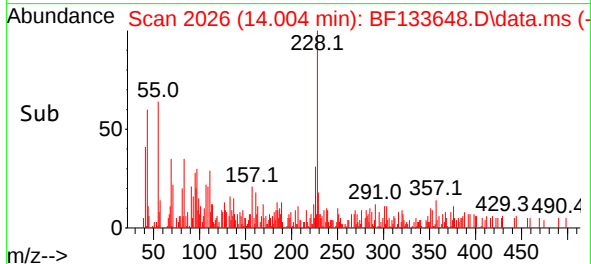
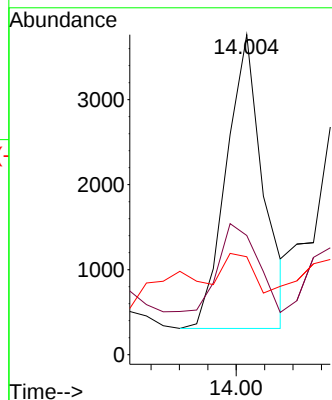
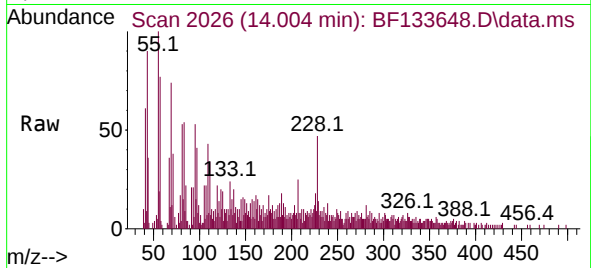




#81
Benzo(a)anthracene
Concen: 248.599 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

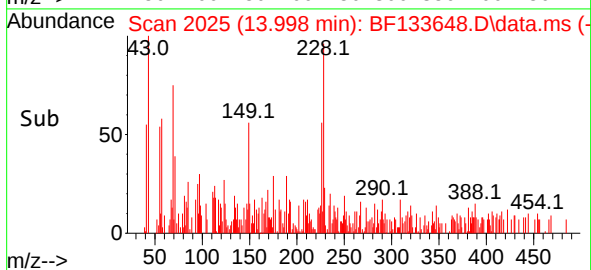
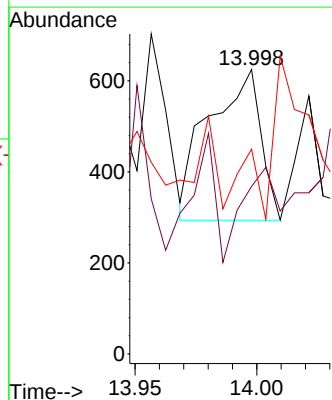
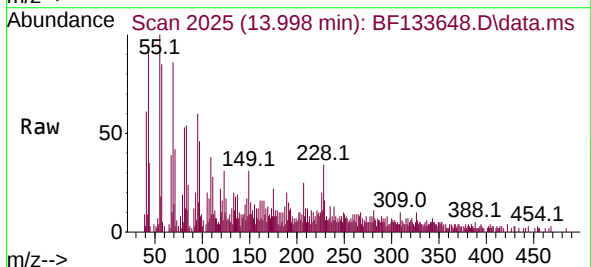
Instrument :
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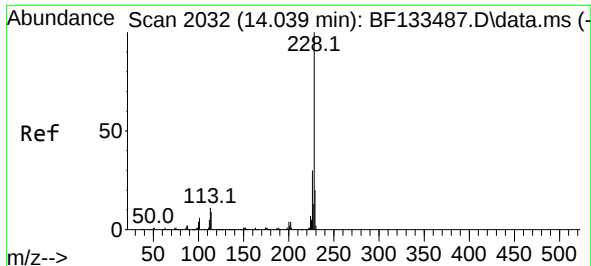
Tgt Ion:228 Resp: 3130
Ion Ratio Lower Upper
228 100
226 37.2 22.3 33.5#
229 30.6 16.1 24.1#



#82
3,3'-Dichlorobenzidine
Concen: 124.749 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.029 min
Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

Tgt Ion:252 Resp: 491
Ion Ratio Lower Upper
252 100
254 58.9 50.3 75.5
126 72.0 10.5 15.7#





#83

Chrysene

Concen: 256.563 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

Instrument :

BNA_F

ClientSampleId :

TP-6

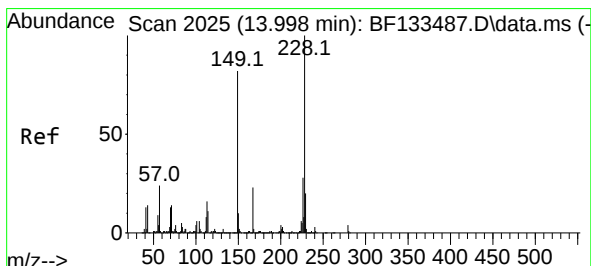
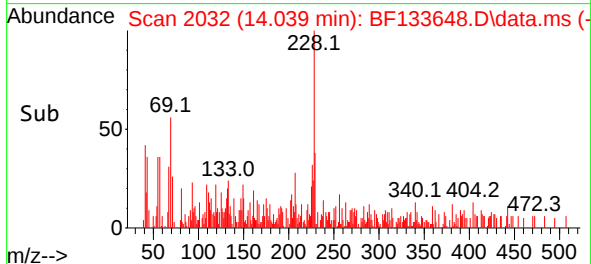
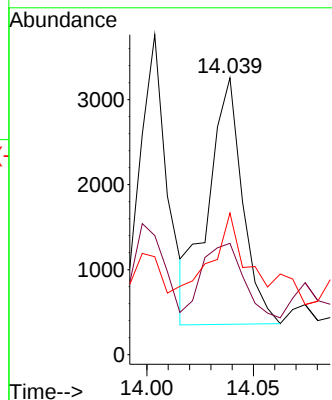
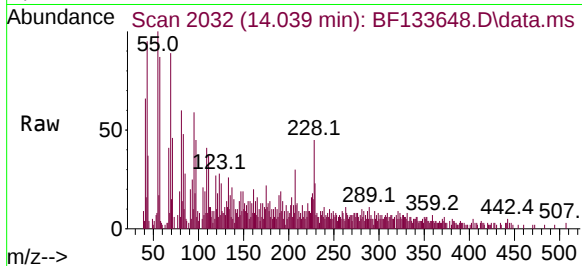
Tgt Ion:228 Resp: 3261

Ion Ratio Lower Upper

228 100

226 40.2 24.1 36.1#

229 51.2 15.8 23.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 214.481 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

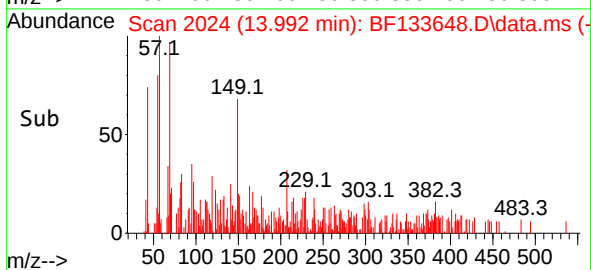
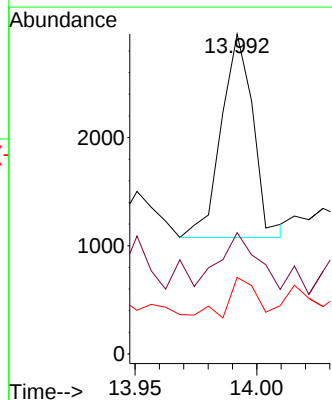
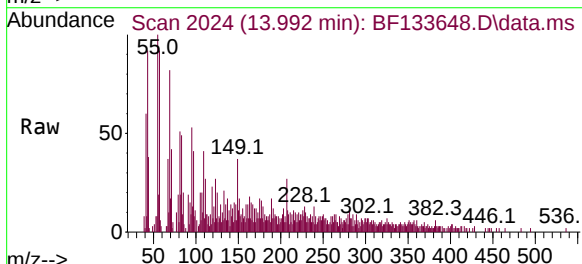
Tgt Ion:149 Resp: 1706

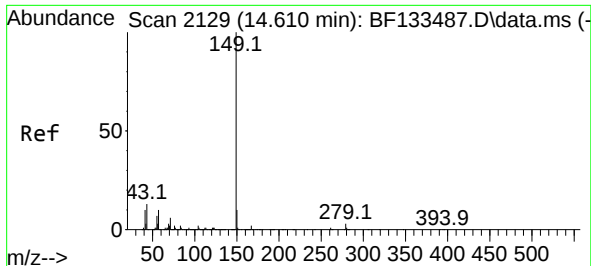
Ion Ratio Lower Upper

149 100

167 37.9 22.0 33.0#

279 23.9 3.6 5.4#

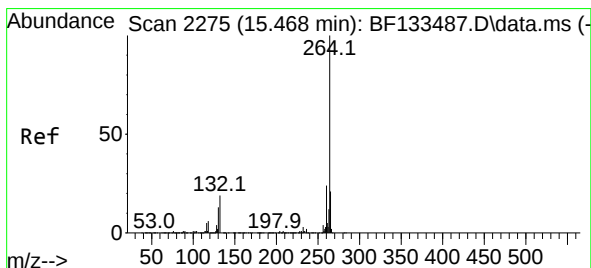
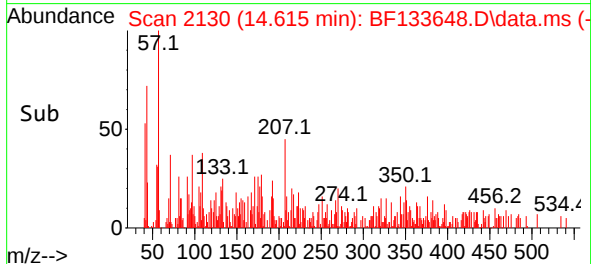
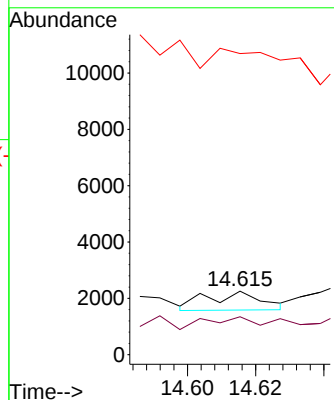
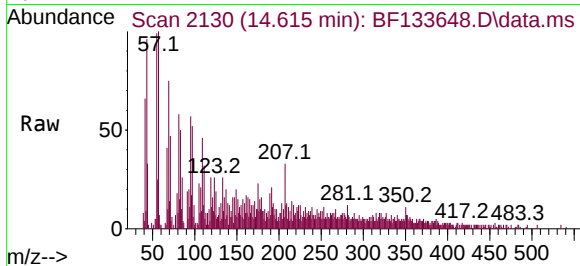




#85
Di-n-octyl phthalate
Concen: 55.773 ng
RT: 14.615 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

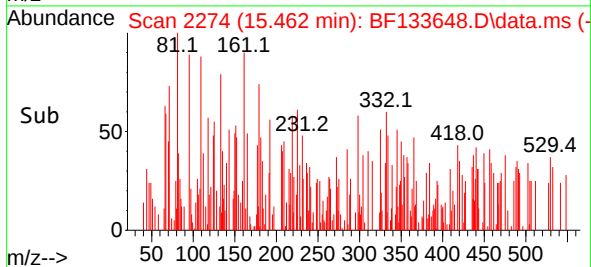
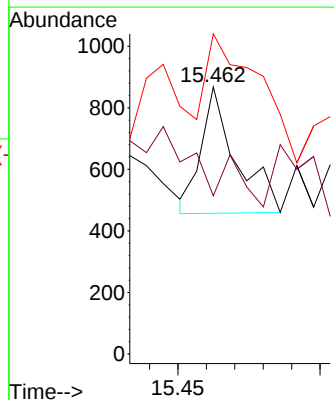
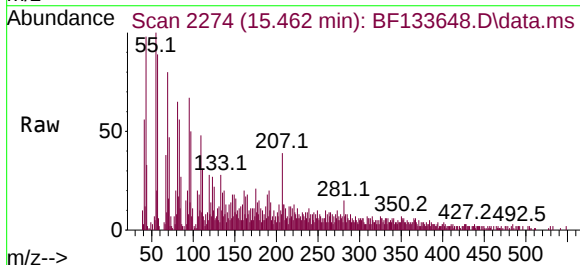
Instrument :
BNA_F
ClientSampleId :
TP-6

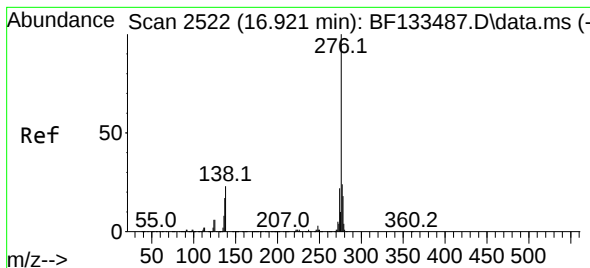
Tgt Ion:149 Resp: 739
Ion Ratio Lower Upper
149 100
167 86.9 1.3 1.9#
43 0.0 10.0 15.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.018 min
Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

Tgt Ion:264 Resp: 351
Ion Ratio Lower Upper
264 100
260 59.2 19.0 28.4#
265 119.8 16.8 25.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 126.307 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

Instrument :

BNA_F

ClientSampleId :

TP-6

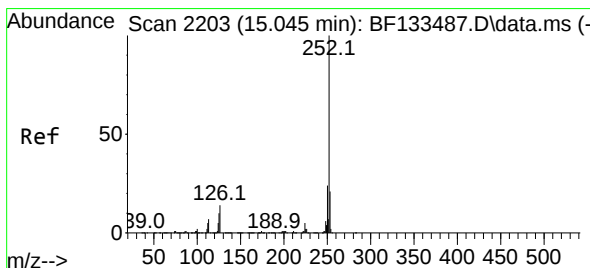
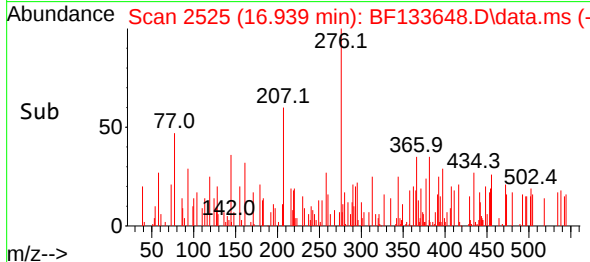
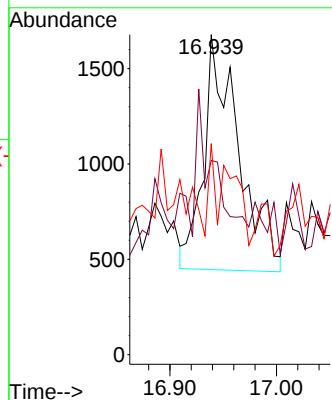
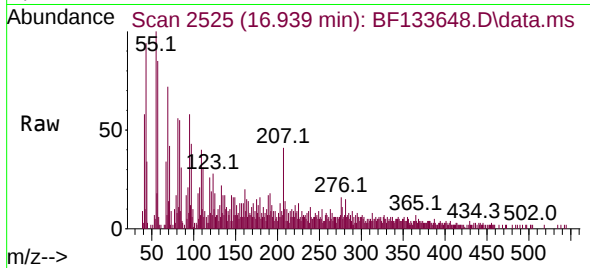
Tgt Ion:276 Resp: 2824

Ion Ratio Lower Upper

276 100

138 32.2 21.4 32.2

277 6.7 20.0 30.0#



#88

Benzo(b)fluoranthene

Concen: 295.894 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF133648.D

Acq: 08 Jun 2023 18:45

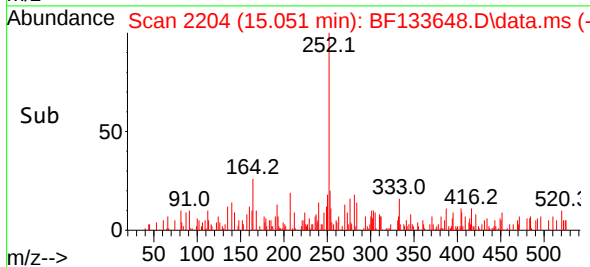
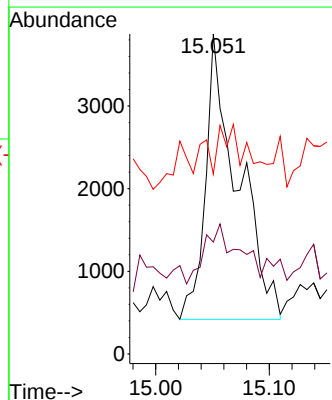
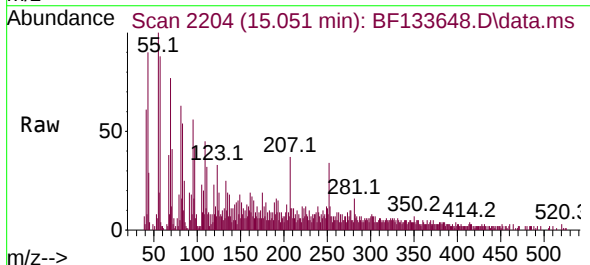
Tgt Ion:252 Resp: 6763

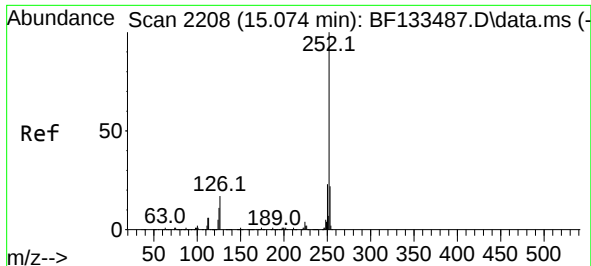
Ion Ratio Lower Upper

252 100

253 34.9 17.2 25.8#

125 56.2 8.1 12.1#

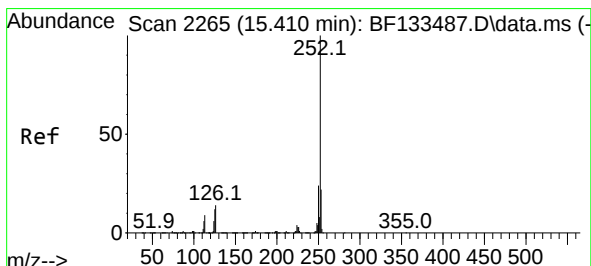
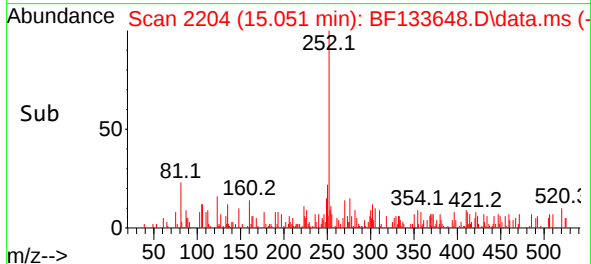
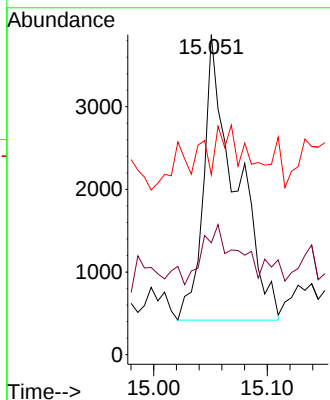
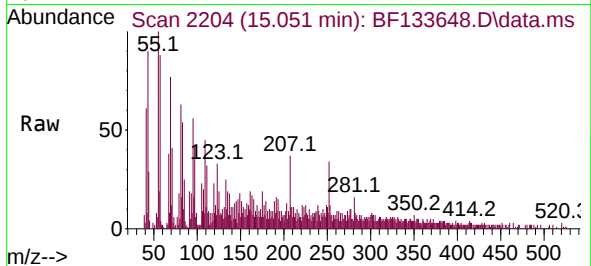




#89
Benzo(k)fluoranthene
Concen: 303.459 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

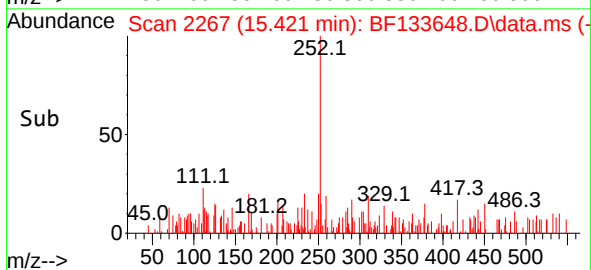
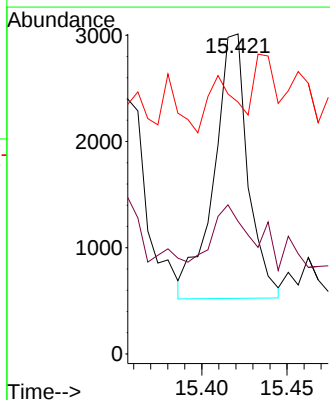
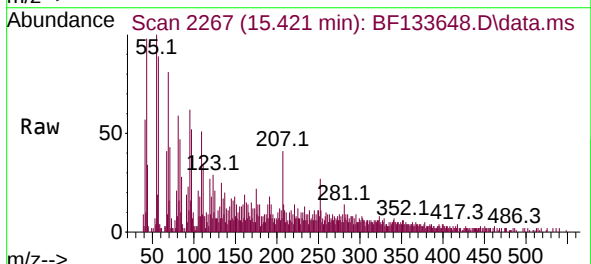
Instrument :
BNA_F
ClientSampleId :
TP-6

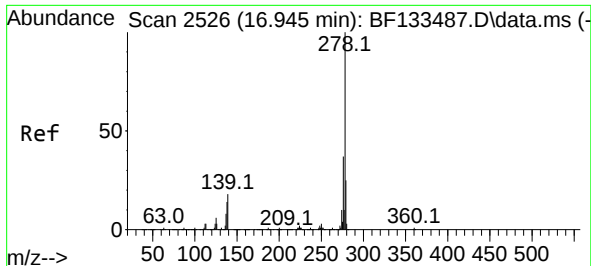
Tgt Ion:252 Resp: 6763
Ion Ratio Lower Upper
252 100
253 34.9 17.4 26.2#
125 56.2 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 166.413 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.006 min
Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

Tgt Ion:252 Resp: 3461
Ion Ratio Lower Upper
252 100
253 41.4 17.4 26.0#
125 78.7 9.4 14.0#

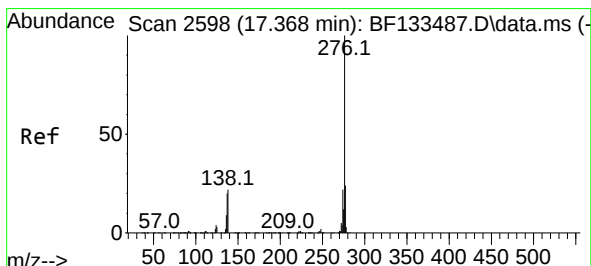
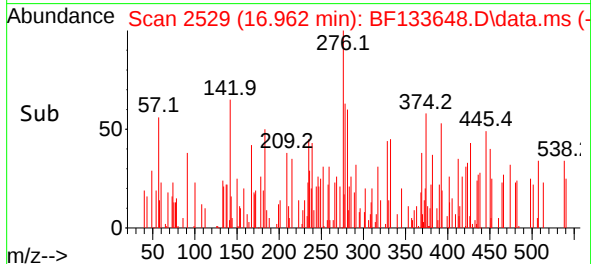
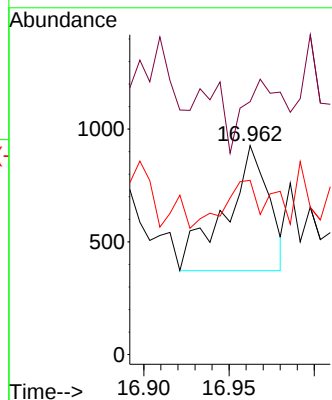
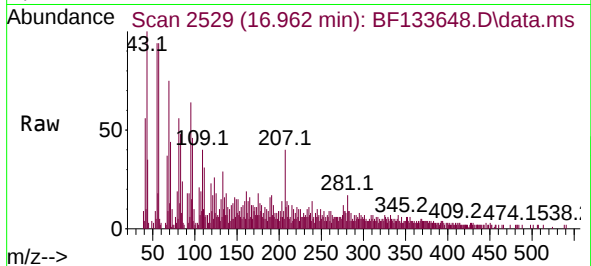




#91
Dibenzo(a,h)anthracene
Concen: 54.172 ng
RT: 16.962 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:278 Resp: 982
Ion Ratio Lower Upper
278 100
139 121.0 14.1 21.1#
279 83.4 19.7 29.5#



#92
Benzo(g,h,i)perylene
Concen: 179.282 ng
RT: 17.403 min Scan# 2604
Delta R.T. 0.012 min
Lab File: BF133648.D
Acq: 08 Jun 2023 18:45

Tgt Ion:276 Resp: 3277
Ion Ratio Lower Upper
276 100
277 47.4 18.8 28.2#
138 49.0 17.8 26.6#

