

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133646.D
 Acq On : 08 Jun 2023 17:42
 Operator : CG\JU
 Sample : 03029-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Quant Time: Jun 09 01:46:14 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)

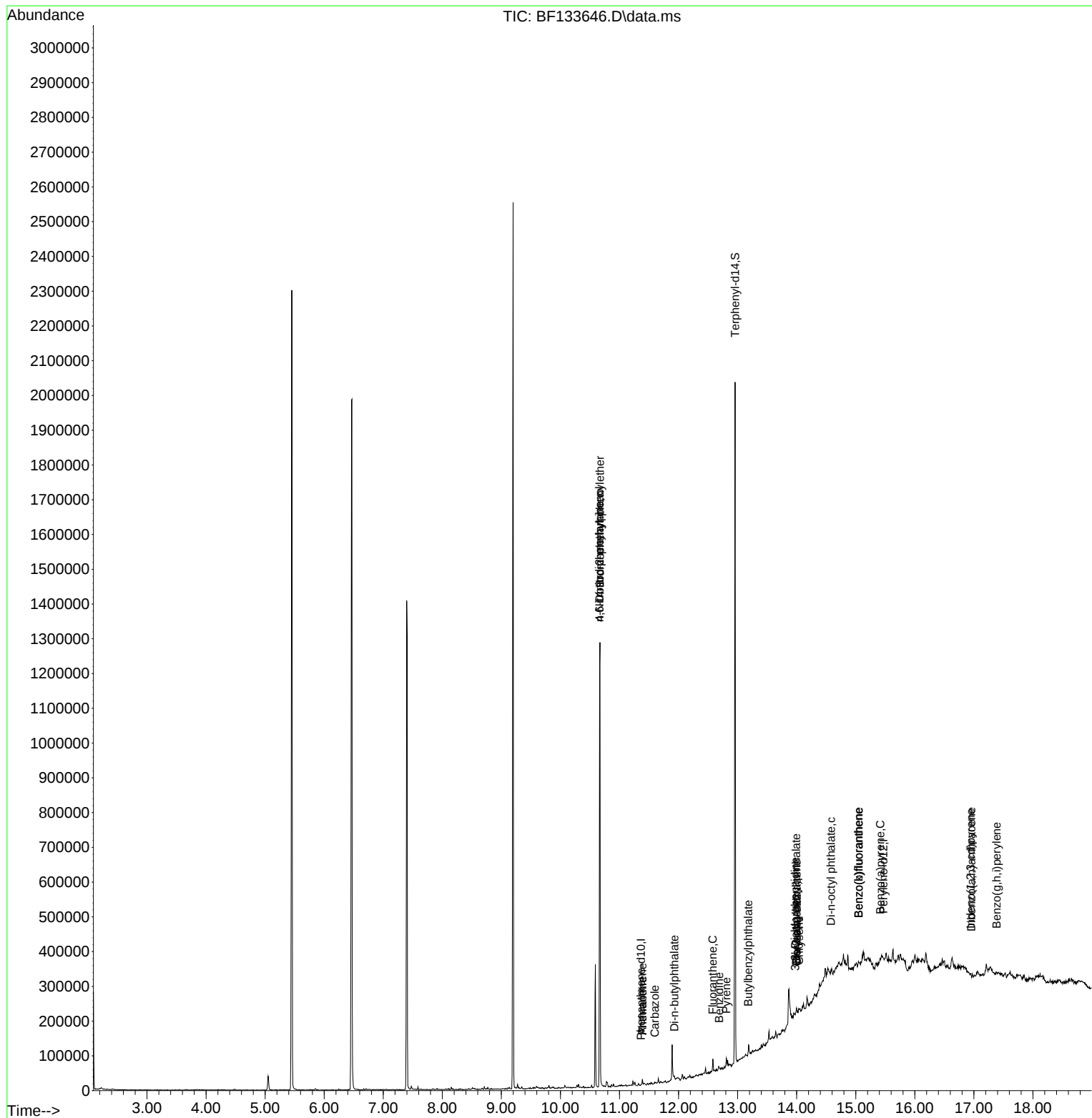
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-6.84
21) Naphthalene-d8	0.000	136	0	0.000	ng	-8.12
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-9.88
64) Phenanthrene-d10	11.363	188	61	20.000	ng	# 0.00
76) Chrysene-d12	14.004	240	169	20.000	ng	#-0.01
86) Perylene-d12	15.468	264	330	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	574880	0.000	ng	0.00
7) Phenol-d6	6.469	99	693557	0.000	ng	0.00
23) Nitrobenzene-d5	7.398	82	432224	0.000	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	157934	0.000	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	710317	0.000	ng	0.00
79) Terphenyl-d14	12.957	244	650171	68402.004	ng	0.00
Target Compounds						Qvalue
65) 4,6-Dinitro-2-methylph...	10.663	198	287	950.428	ng	# 1
66) n-Nitrosodiphenylamine	10.663	169	4838	2442.967	ng	# 50
67) 4-Bromophenyl-phenylether	10.669	248	9571	14774.138	ng	# 1
71) Phenanthrene	11.386	178	5191	1680.153	ng	97
72) Anthracene	11.386	178	5191	1632.500	ng	97
73) Carbazole	11.598	167	1126	374.440	ng	# 66
74) Di-n-butylphthalate	11.927	149	1179	331.563	ng	# 80
75) Fluoranthene	12.580	202	13845	4056.906	ng	99
77) Benzidine	12.686	184	315	63.728	ng	# 1
78) Pyrene	12.810	202	10755	747.854	ng	99
80) Butylbenzylphthalate	13.180	149	201	35.325	ng	86
81) Benzo(a)anthracene	13.998	228	3753	333.356	ng	# 67
82) 3,3'-Dichlorobenzidine	13.974	252	329	93.482	ng	# 1
83) Chrysene	14.039	228	4923	433.159	ng	# 77
84) Bis(2-ethylhexyl)phtha...	13.992	149	2208	310.445	ng	# 81
85) Di-n-octyl phthalate	14.580	149	543	45.830	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.945	276	1140	54.233	ng	# 71
88) Benzo(b)fluoranthene	15.051	252	4889	227.515	ng	# 1
89) Benzo(k)fluoranthene	15.051	252	4889	233.331	ng	# 2
90) Benzo(a)pyrene	15.415	252	2345	119.928	ng	# 1
91) Dibenzo(a,h)anthracene	16.956	278	1515	88.893	ng	# 1
92) Benzo(g,h,i)perylene	17.386	276	2829	164.622	ng	# 41

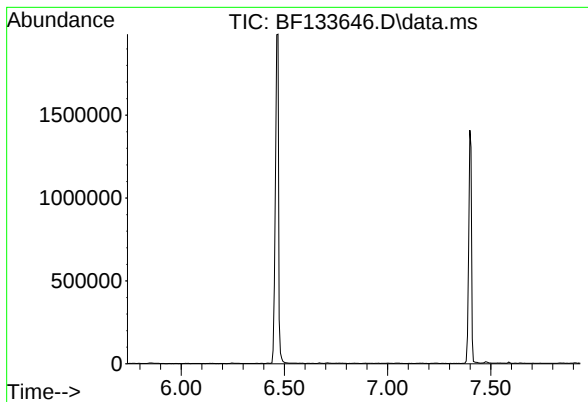
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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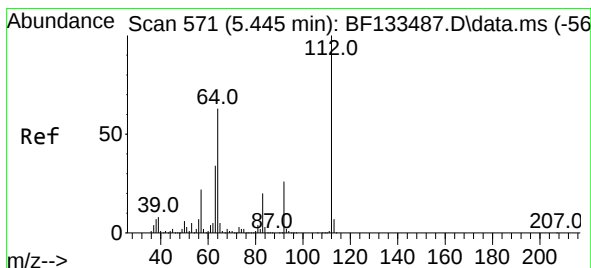
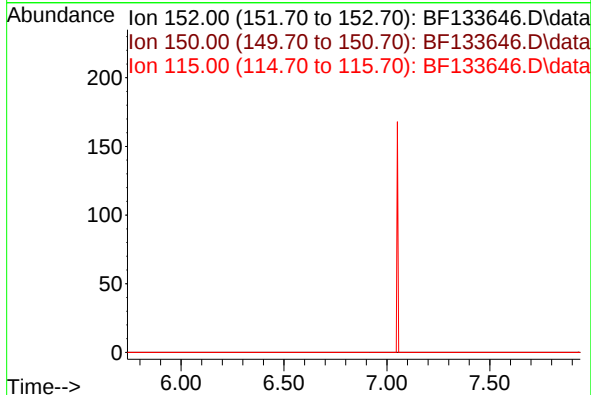


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.84 min
 Lab File: BF133646.D
 Acq: 08 Jun 2023 17:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tgt Ion: 152

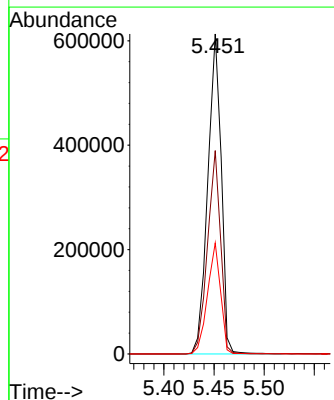
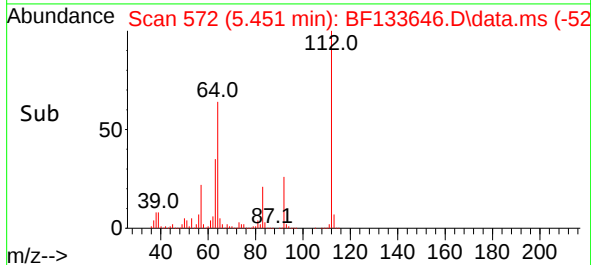
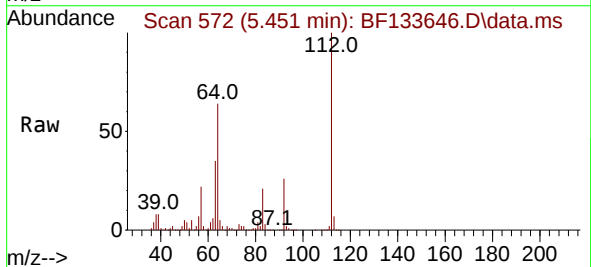
Sig	Exp Ratio
152	100
150	156.1
115	60.1



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.451 min Scan# 572
 Delta R.T. 0.006 min
 Lab File: BF133646.D
 Acq: 08 Jun 2023 17:42

Tgt Ion: 112 Resp: 574880

Ion	Ratio	Lower	Upper
112	100		
64	63.6	50.1	75.1
63	34.7	27.5	41.3

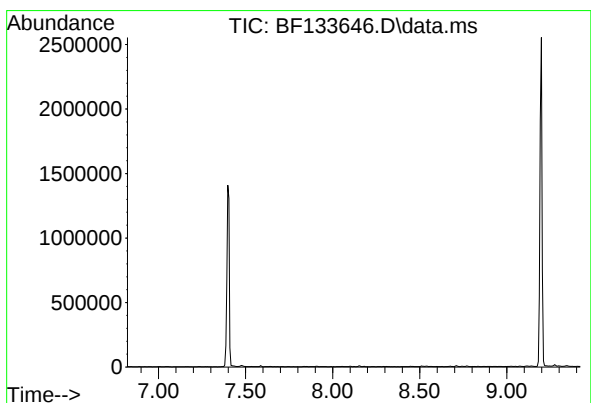
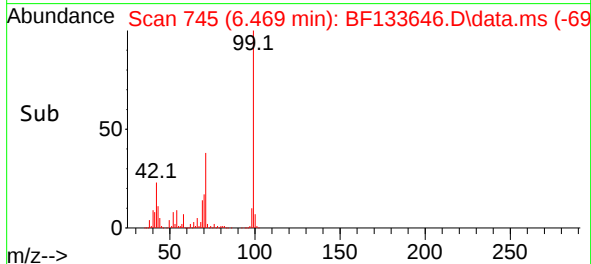
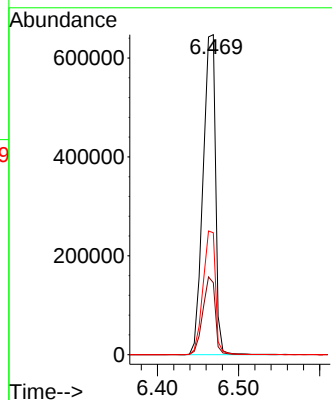
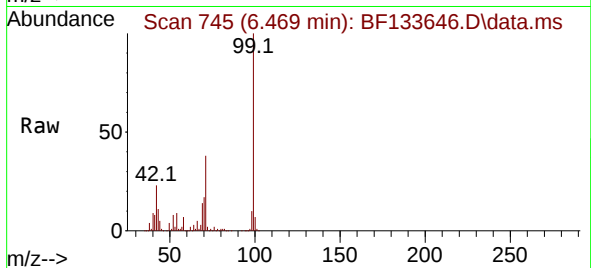




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

Instrument :
BNA_F
ClientSampleId :
TP-8

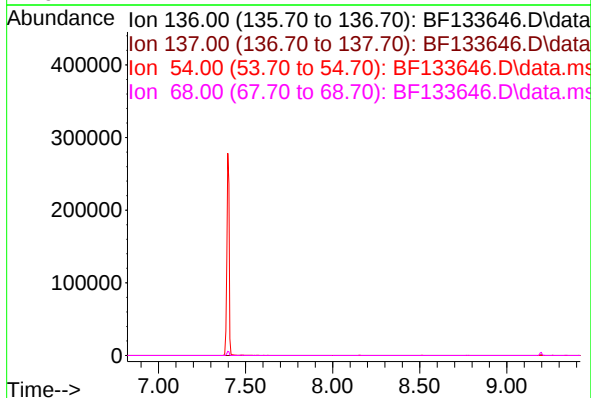
Tgt Ion: 99 Resp: 693557
Ion Ratio Lower Upper
99 100
42 22.5 19.7 29.5
71 38.1 29.8 44.8

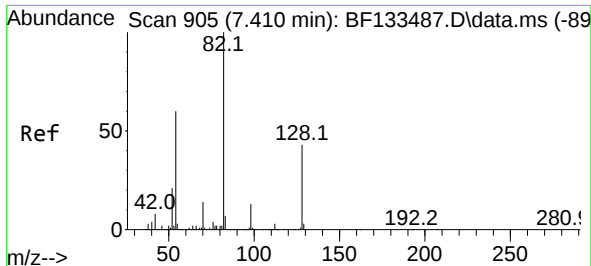


#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.12 min

Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

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: 7.398 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF133646.D

Acq: 08 Jun 2023 17:42

Instrument :

BNA_F

ClientSampleId :

TP-8

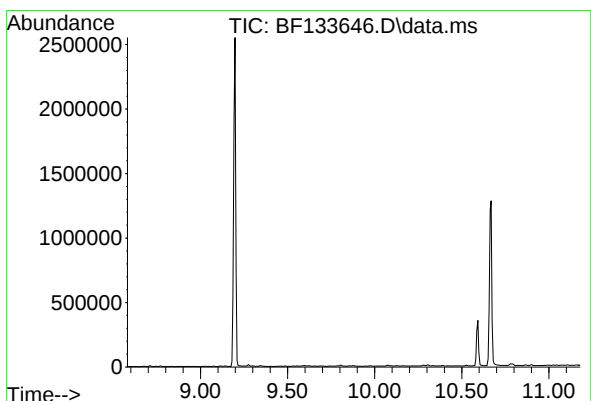
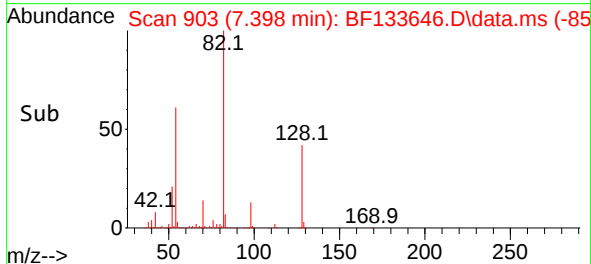
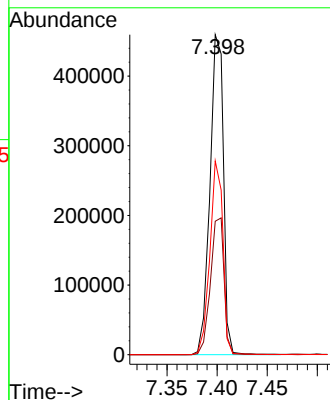
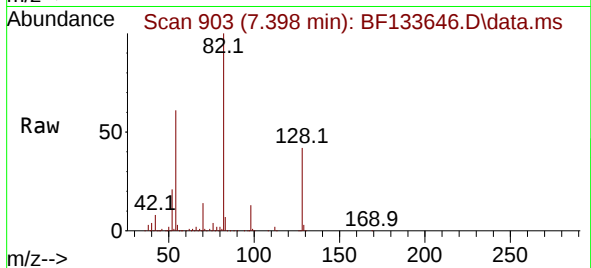
Tgt Ion: 82 Resp: 432224

Ion Ratio Lower Upper

82 100

128 41.7 34.2 51.4

54 60.6 48.2 72.4



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.88 min

Lab File: BF133646.D

Acq: 08 Jun 2023 17:42

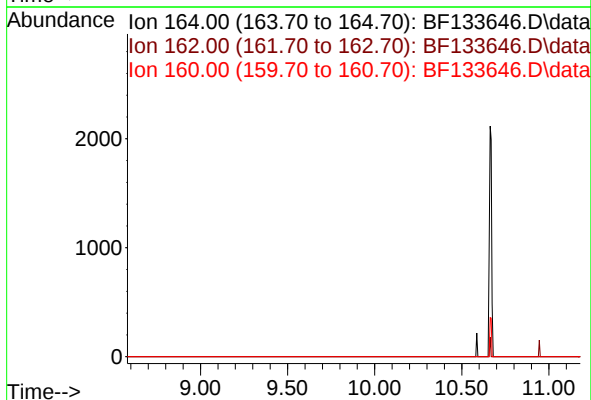
Tgt Ion: 164

Sig Exp Ratio

164 100

162 99.6

160 44.2

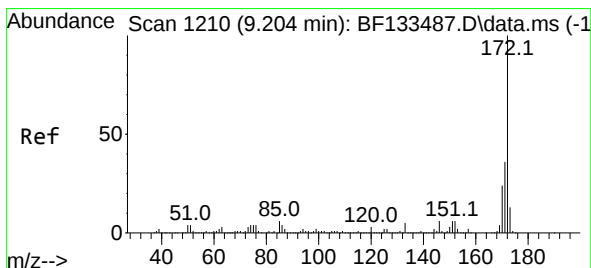
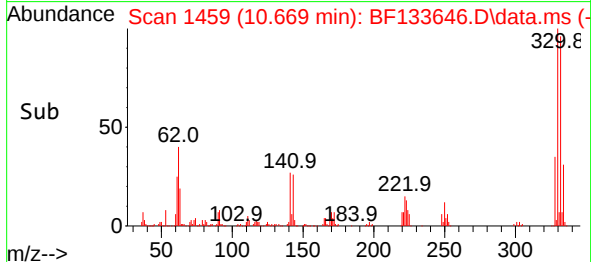
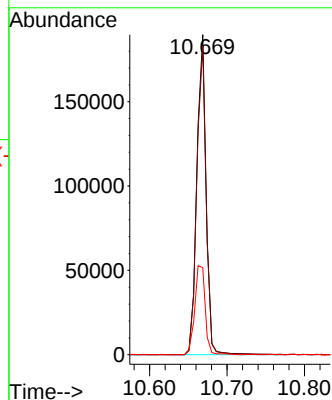
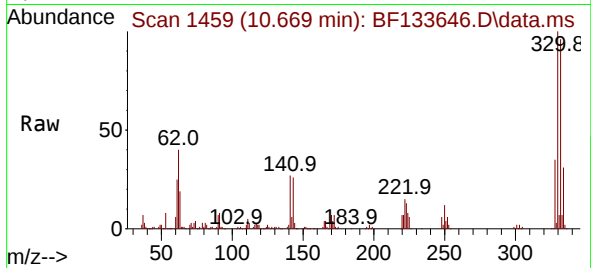




#42
2,4,6-Tribromophenol
Concen: 0.000 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.000 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

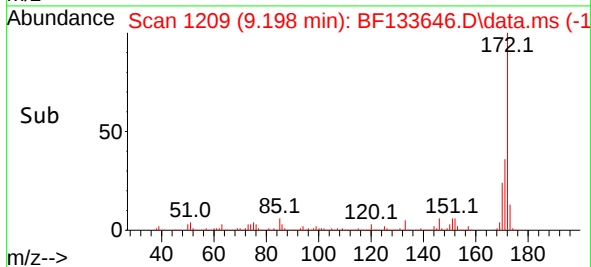
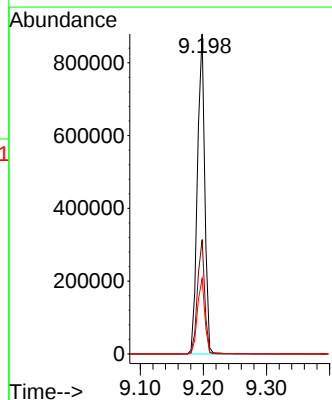
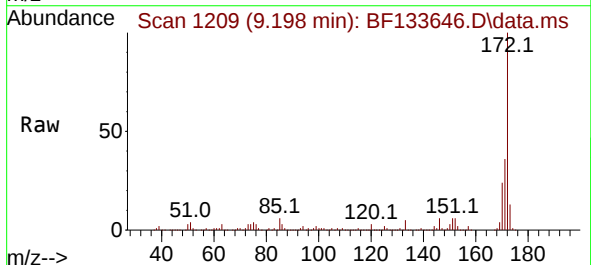
Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:330 Resp: 157934
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.6
141 31.4 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: BF133646.D
Acq: 08 Jun 2023 17:42

Tgt Ion:172 Resp: 710317
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.6 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133646.D

Acq: 08 Jun 2023 17:42

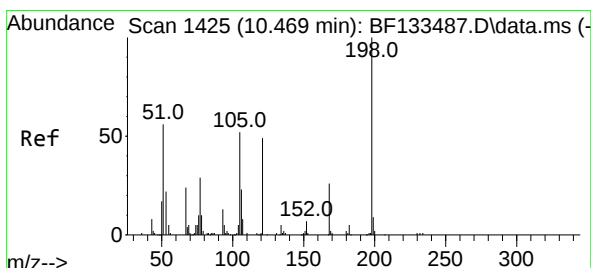
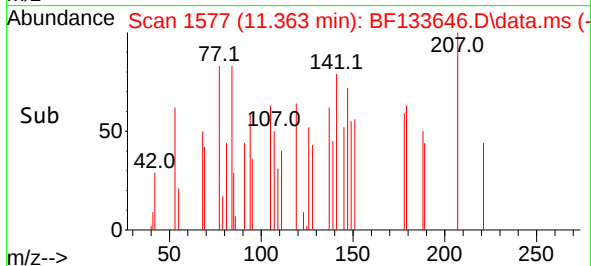
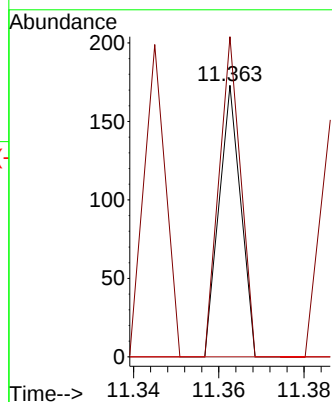
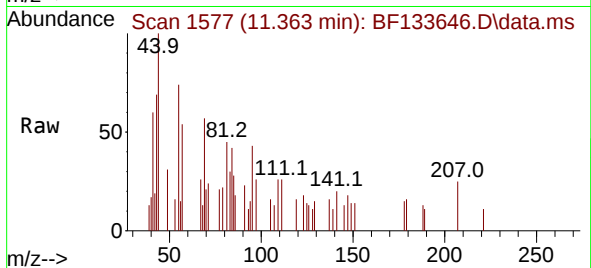
Instrument :

BNA_F

ClientSampleId :

TP-8

Tgt Ion:188	Resp:	61
Ion Ratio	Lower	Upper
188	100	
94	117.9	8.6 12.8#
80	0.0	9.2 13.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 950.428 ng

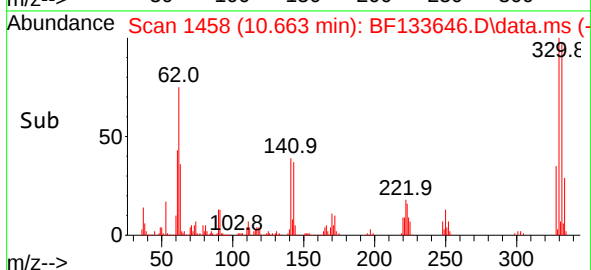
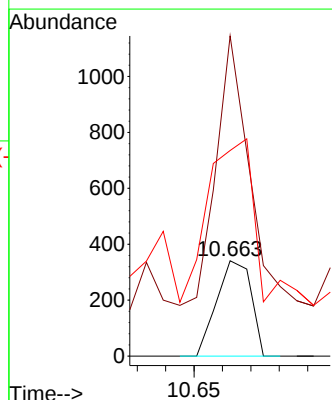
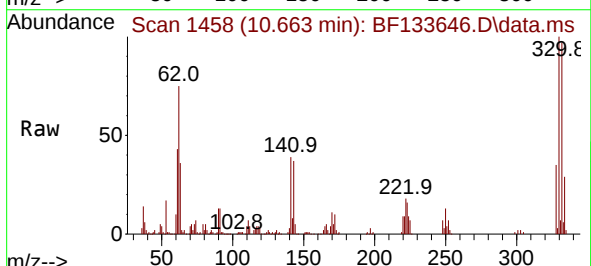
RT: 10.663 min Scan# 1458

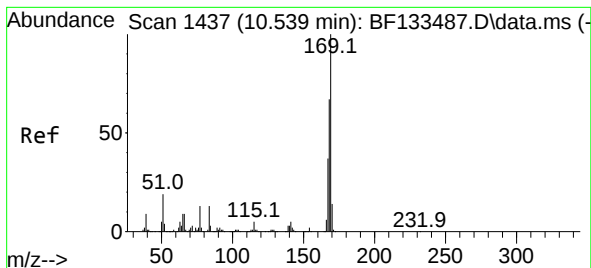
Delta R.T. 0.182 min

Lab File: BF133646.D

Acq: 08 Jun 2023 17:42

Tgt Ion:198	Resp:	287
Ion Ratio	Lower	Upper
198	100	
51	335.8	53.6 93.6#
105	215.5	35.9 75.9#





#66

n-Nitrosodiphenylamine

Concen: 2442.967 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.123 min

Lab File: BF133646.D

Acq: 08 Jun 2023 17:42

Instrument :

BNA_F

ClientSampleId :

TP-8

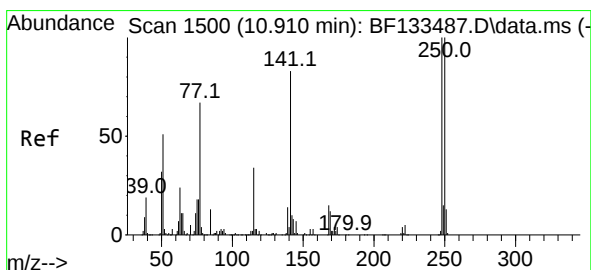
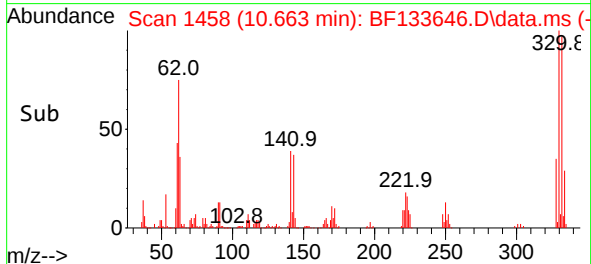
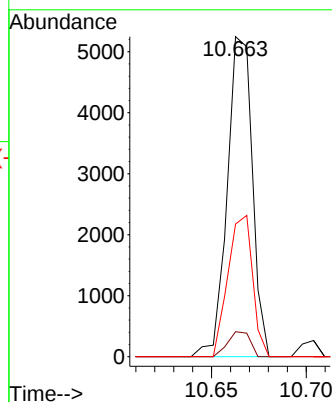
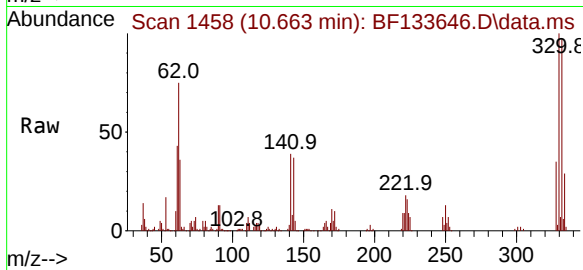
Tgt Ion:169 Resp: 4838

Ion Ratio Lower Upper

169 100

168 7.8 53.7 80.5#

167 41.5 29.6 44.4



#67

4-Bromophenyl-phenylether

Concen: 14774.138 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.241 min

Lab File: BF133646.D

Acq: 08 Jun 2023 17:42

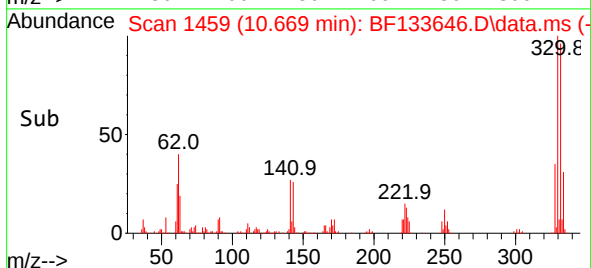
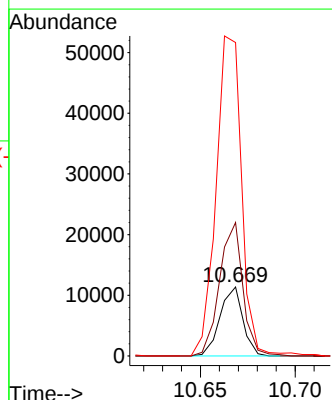
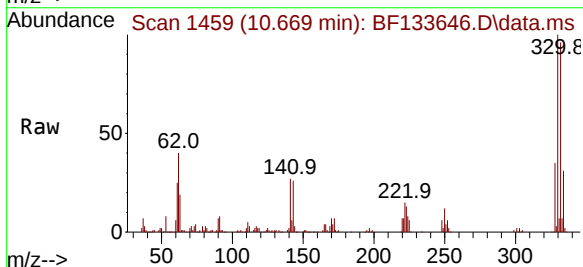
Tgt Ion:248 Resp: 9571

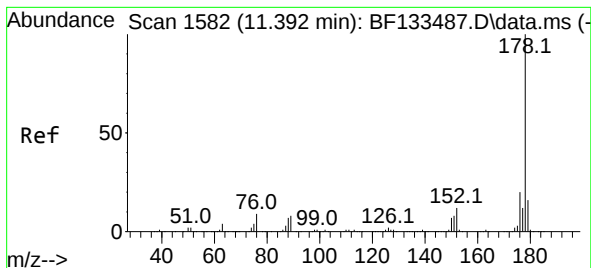
Ion Ratio Lower Upper

248 100

250 193.5 79.7 119.5#

141 454.4 66.6 100.0#





#71

Phenanthrene

Concen: 1680.153 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF133646.D

Acq: 08 Jun 2023 17:42

Instrument :

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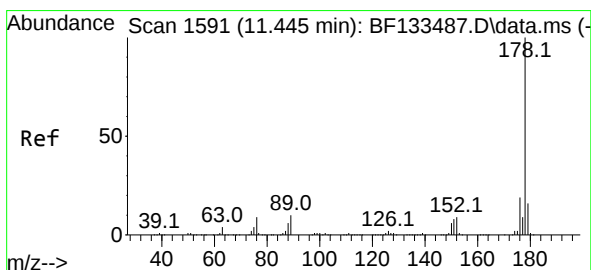
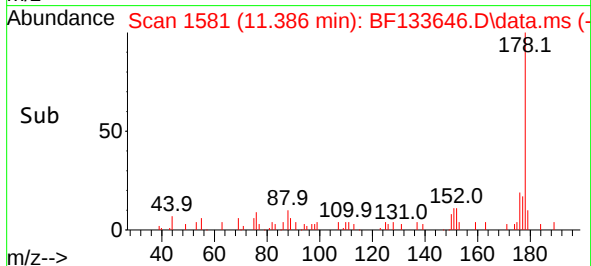
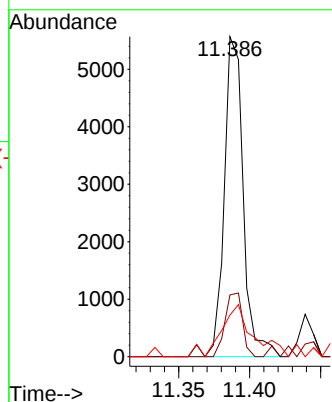
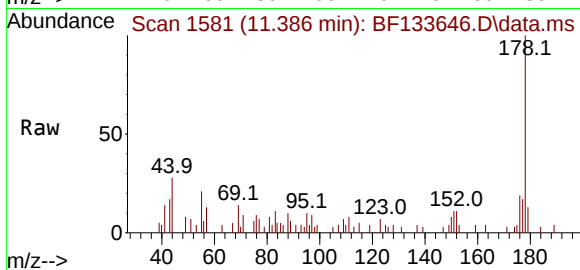
Tgt Ion:178 Resp: 5191

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

179 13.0 12.4 18.6



#72

Anthracene

Concen: 1632.500 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.059 min

Lab File: BF133646.D

Acq: 08 Jun 2023 17:42

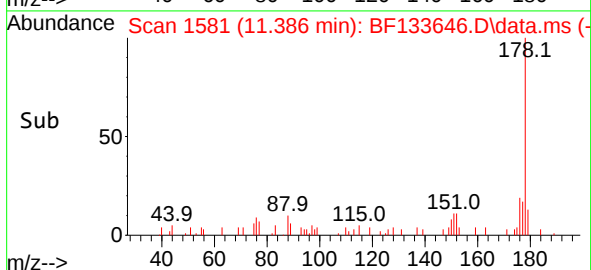
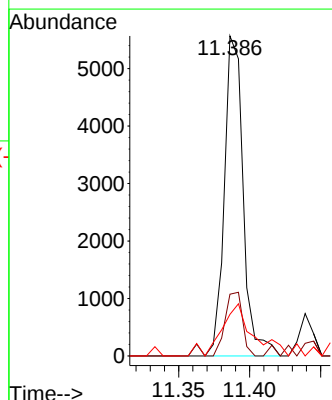
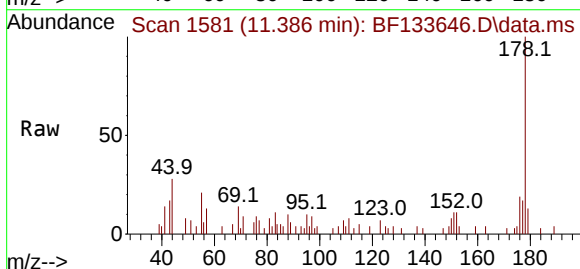
Tgt Ion:178 Resp: 5191

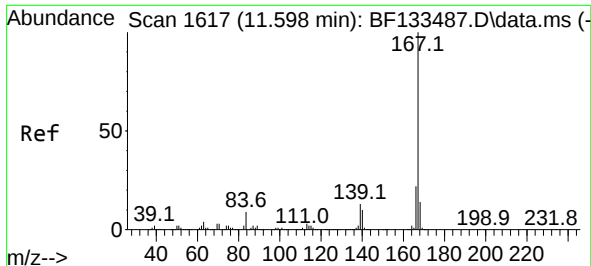
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 13.0 12.6 18.8

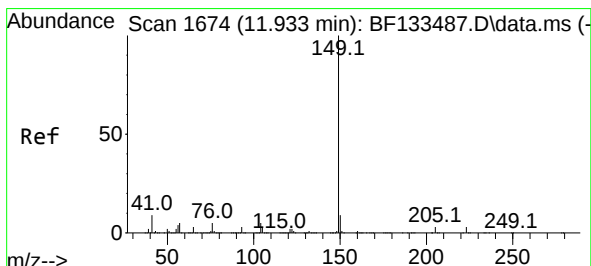
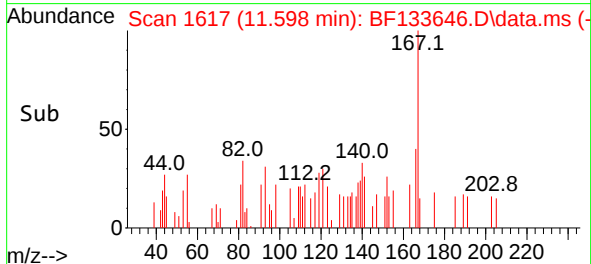
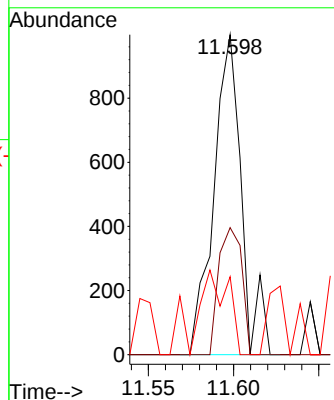
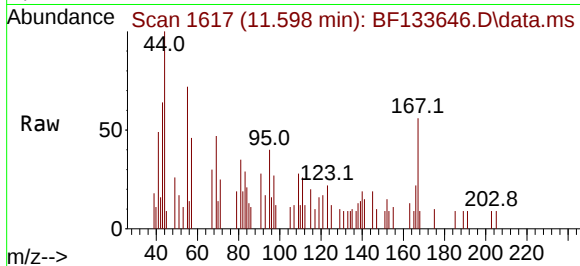




#73
 Carbazole
 Concen: 374.440 ng
 RT: 11.598 min Scan# 1617
 Delta R.T. -0.000 min
 Lab File: BF133646.D
 Acq: 08 Jun 2023 17:42

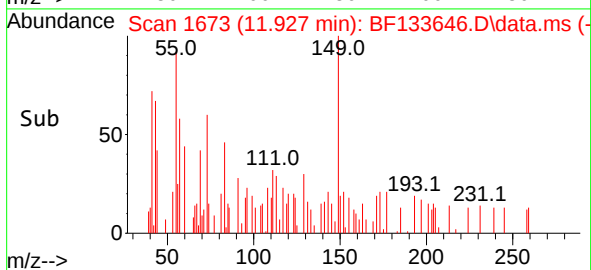
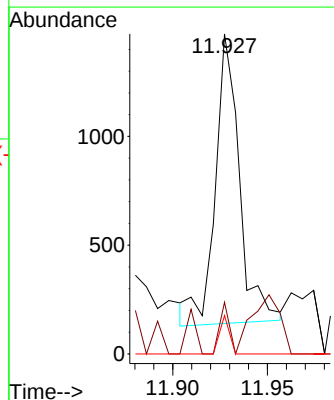
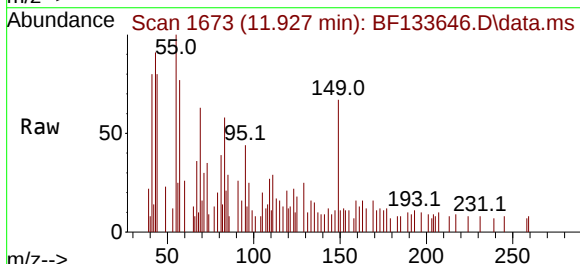
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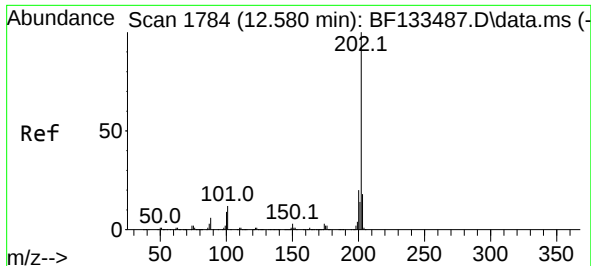
Tgt Ion:167 Resp: 1126
 Ion Ratio Lower Upper
 167 100
 166 39.7 17.3 25.9#
 139 24.3 10.7 16.1#



#74
 Di-n-butylphthalate
 Concen: 331.563 ng
 RT: 11.927 min Scan# 1673
 Delta R.T. -0.006 min
 Lab File: BF133646.D
 Acq: 08 Jun 2023 17:42

Tgt Ion:149 Resp: 1179
 Ion Ratio Lower Upper
 149 100
 150 16.2 7.4 11.2#
 104 12.0 3.9 5.9#

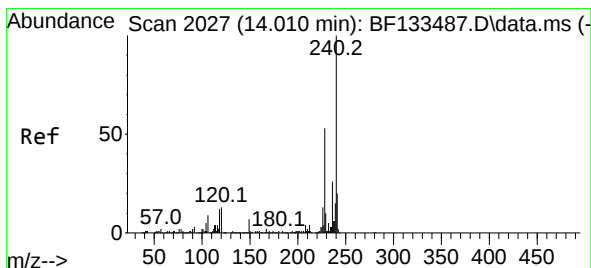
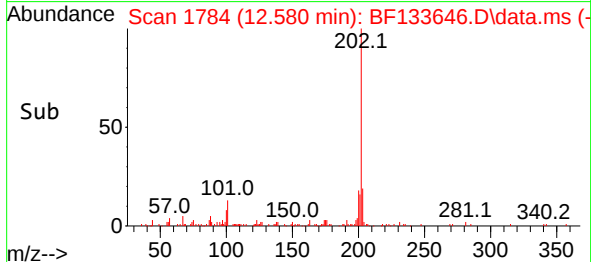
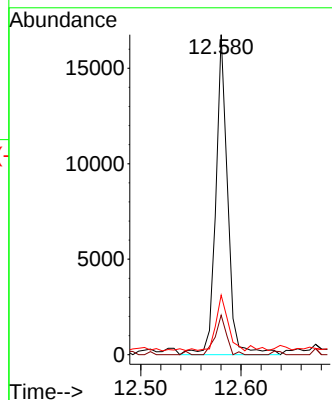
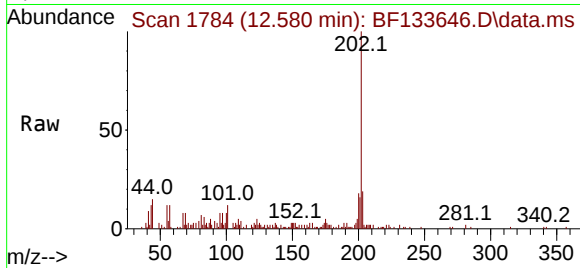




#75
Fluoranthene
Concen: 4056.906 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

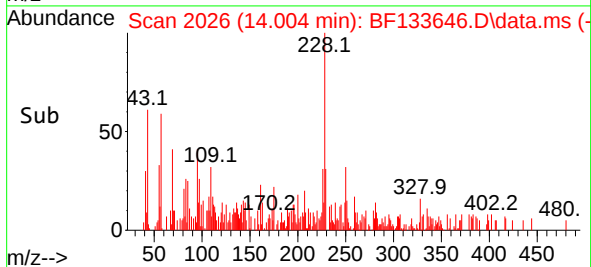
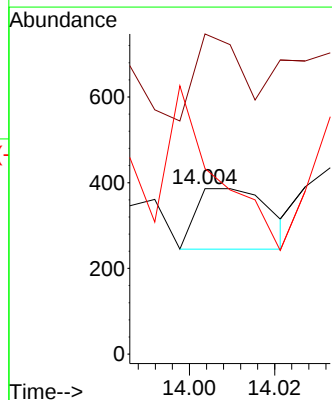
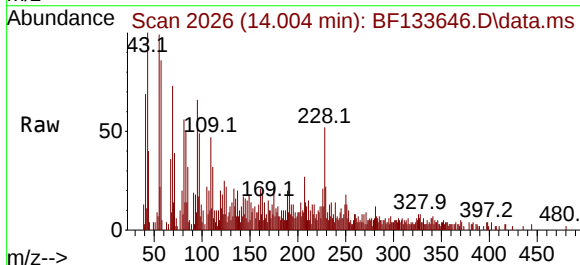
Instrument :
BNA_F
ClientSampleId :
TP-8

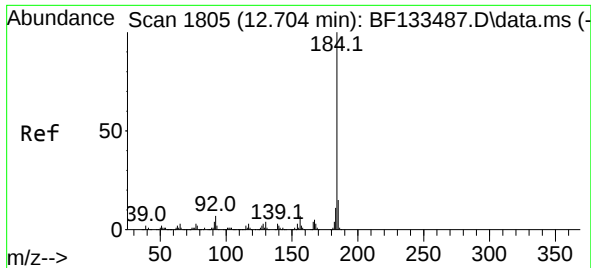
Tgt Ion:	202	Resp:	13845
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	32.2
203	18.6	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

Tgt Ion:	240	Resp:	169
Ion Ratio	Lower	Upper	
240	100		
120	193.5	10.3	15.5#
236	112.2	20.5	30.7#

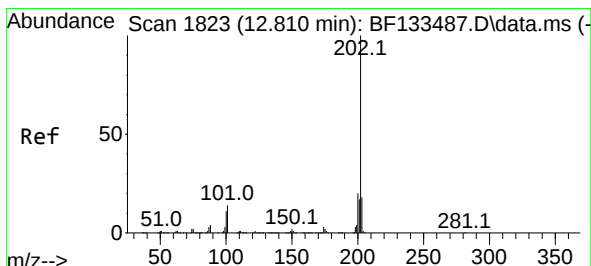
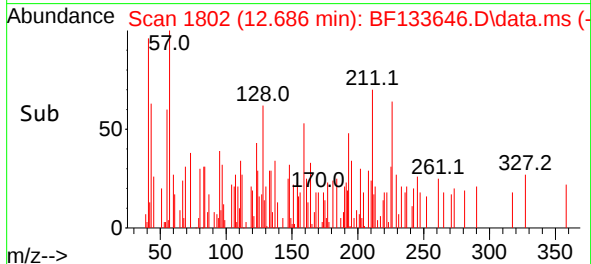
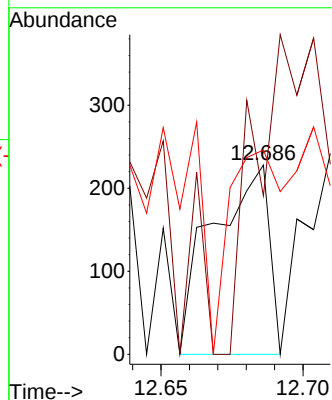
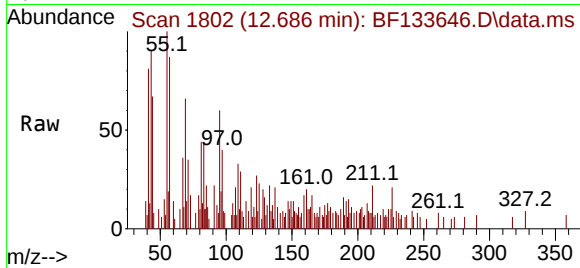




#77
Benzidine
Concen: 63.728 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.018 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

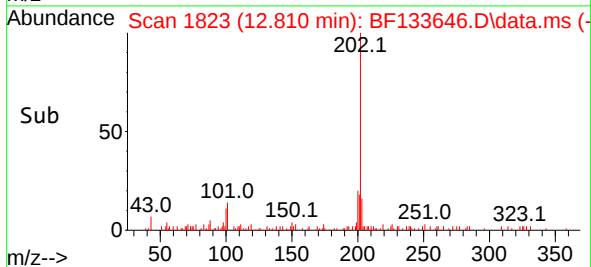
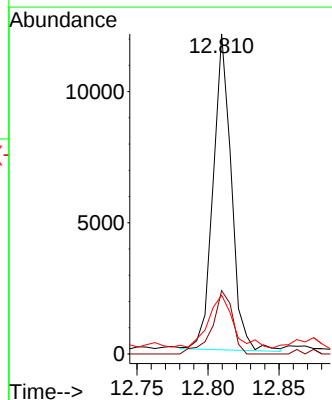
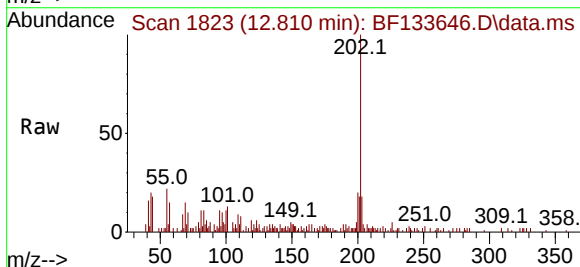
Instrument :
BNA_F
ClientSampleId :
TP-8

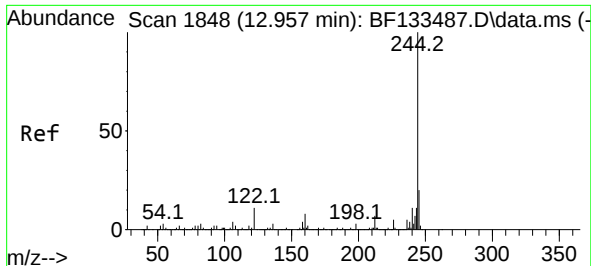
Tgt Ion:184 Resp: 315
Ion Ratio Lower Upper
184 100
185 83.8 12.2 18.2#
183 107.9 8.7 13.1#



#78
Pyrene
Concen: 747.854 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

Tgt Ion:202 Resp: 10755
Ion Ratio Lower Upper
202 100
200 19.8 16.3 24.5
203 18.4 14.3 21.5

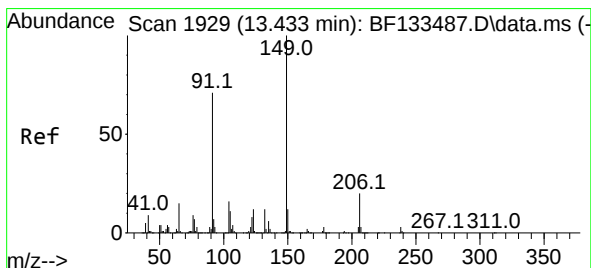
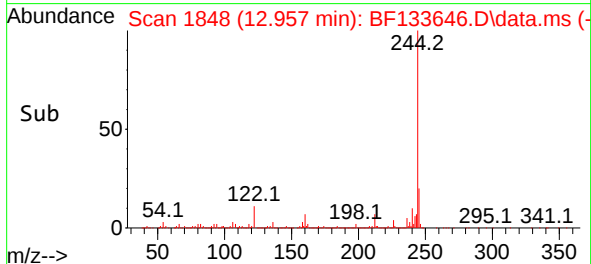
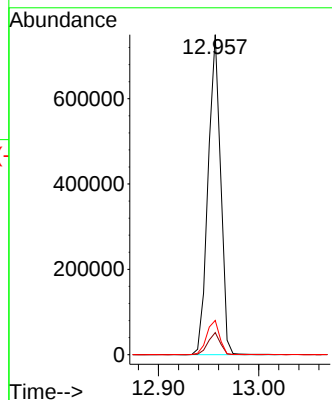
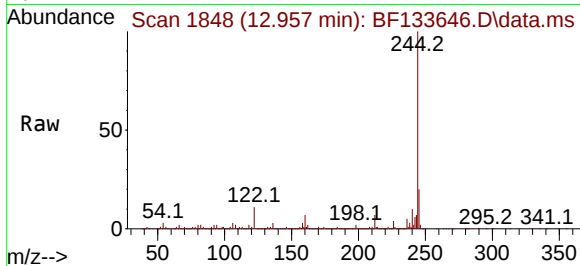




#79
 Terphenyl-d14
 Concen: 68402.004 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.000 min
 Lab File: BF133646.D
 Acq: 08 Jun 2023 17:42

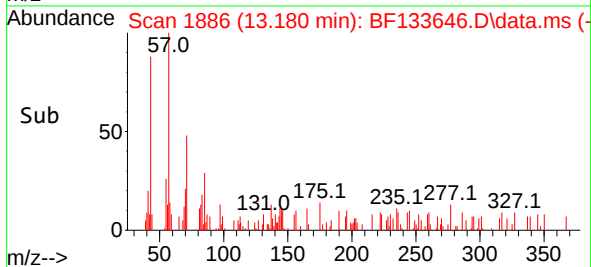
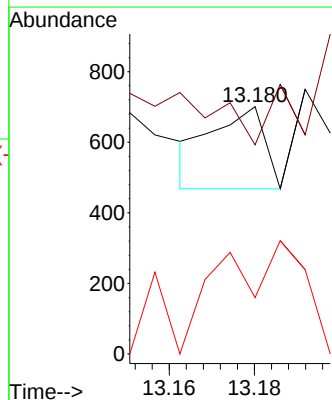
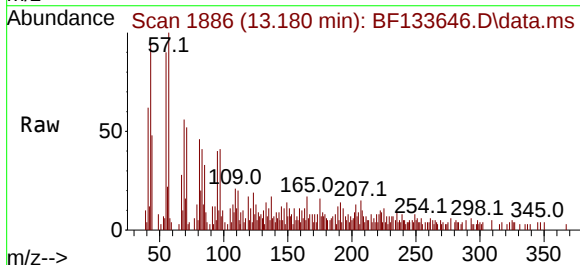
Instrument :
 BNA_F
 ClientSampleId :
 TP-8

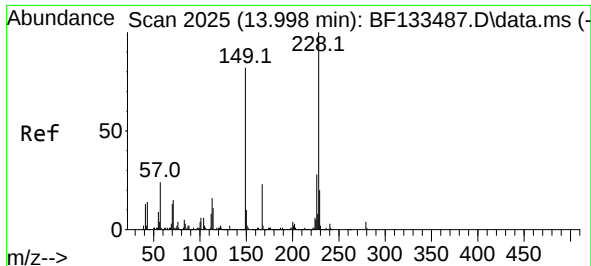
Tgt Ion:244 Resp: 650171
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 10.7 8.5 12.7



#80
 Butylbenzylphthalate
 Concen: 35.325 ng
 RT: 13.180 min Scan# 1886
 Delta R.T. -0.253 min
 Lab File: BF133646.D
 Acq: 08 Jun 2023 17:42

Tgt Ion:149 Resp: 201
 Ion Ratio Lower Upper
 149 100
 91 84.6 56.9 85.3
 206 22.8 15.7 23.5

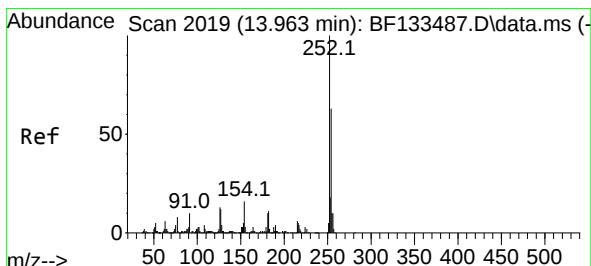
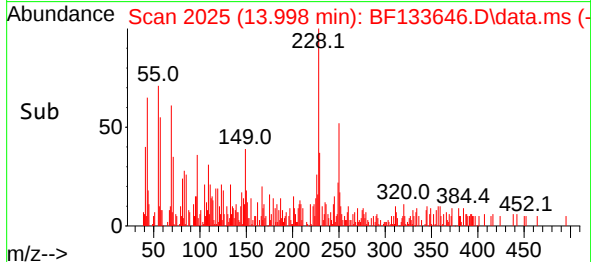
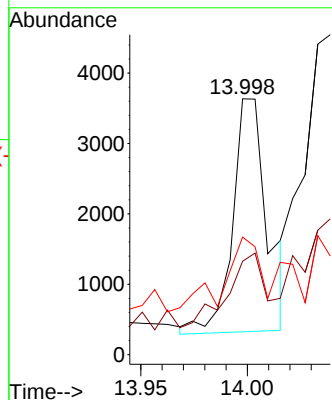
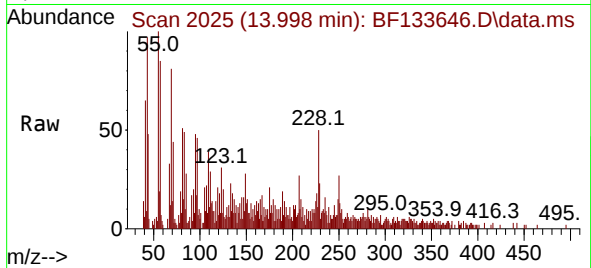




#81
Benzo(a)anthracene
Concen: 333.356 ng
RT: 13.998 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

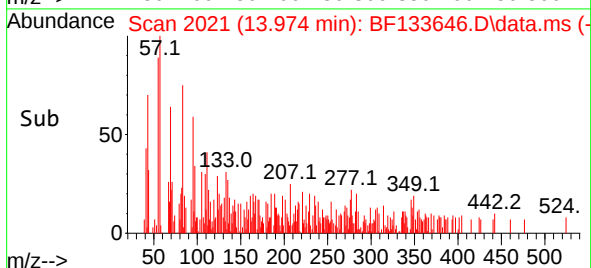
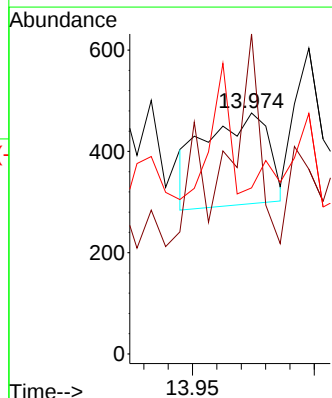
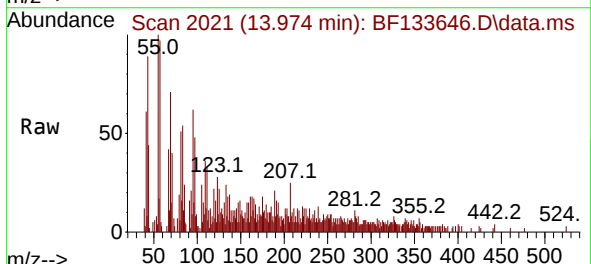
Instrument :
BNA_F
ClientSampleId :
TP-8

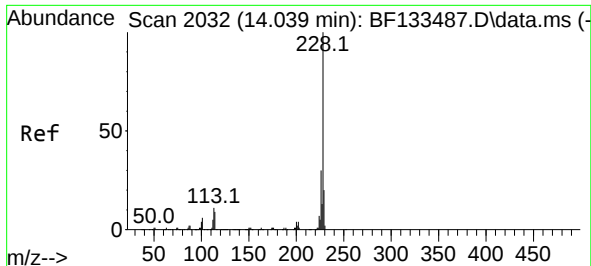
Tgt Ion:228 Resp: 3753
Ion Ratio Lower Upper
228 100
226 36.5 22.3 33.5#
229 46.0 16.1 24.1#



#82
3,3'-Dichlorobenzidine
Concen: 93.482 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

Tgt Ion:252 Resp: 329
Ion Ratio Lower Upper
252 100
254 132.8 50.3 75.5#
126 68.9 10.5 15.7#

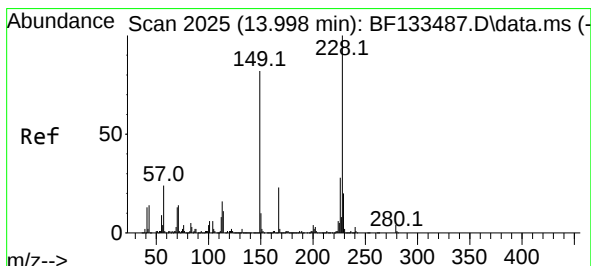
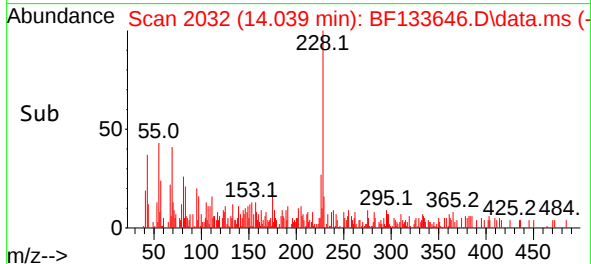
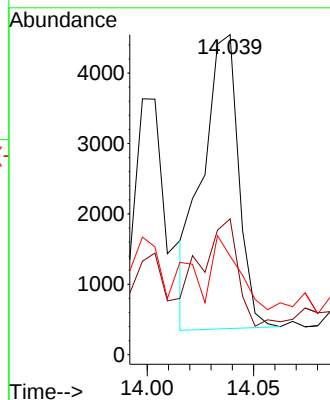
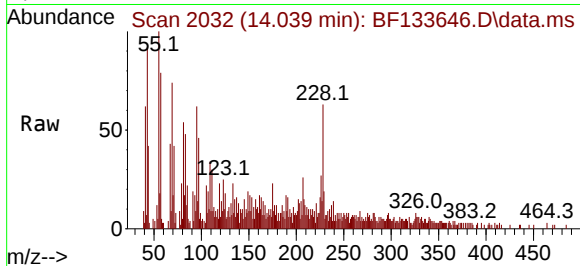




#83
Chrysene
Concen: 433.159 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

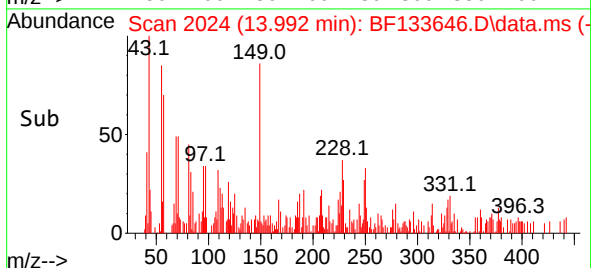
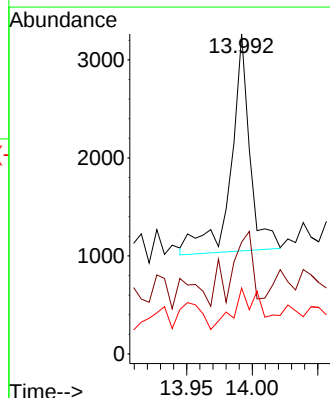
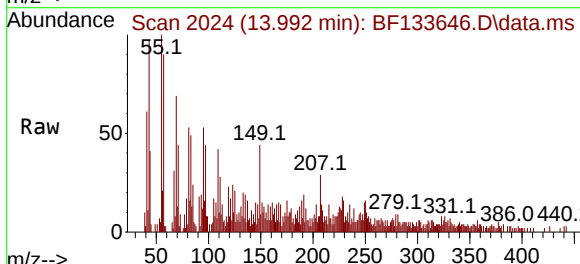
Instrument :
BNA_F
ClientSampleId :
TP-8

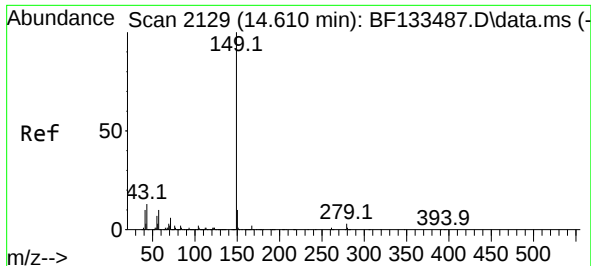
Tgt Ion:	228	Resp:	4923
Ion Ratio	Lower	Upper	
228	100		
226	42.4	24.1	36.1#
229	30.8	15.8	23.8#



#84
Bis(2-ethylhexyl)phthalate
Concen: 310.445 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

Tgt Ion:	149	Resp:	2208
Ion Ratio	Lower	Upper	
149	100		
167	34.9	22.0	33.0#
279	20.6	3.6	5.4#

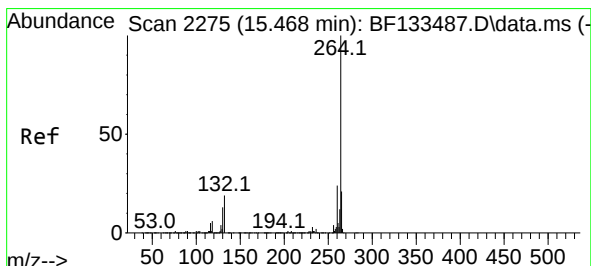
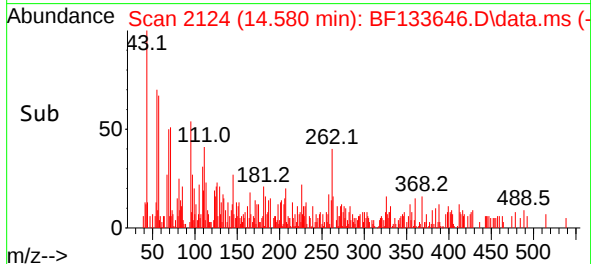
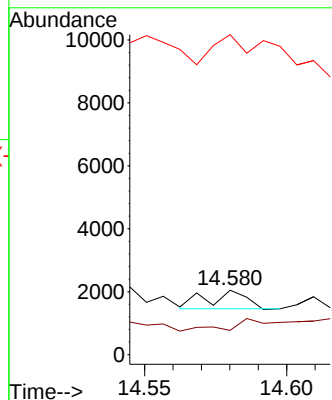
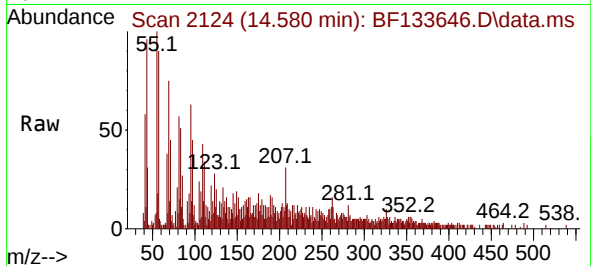




#85
Di-n-octyl phthalate
Concen: 45.830 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.029 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

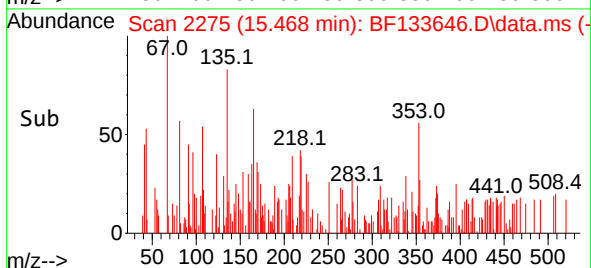
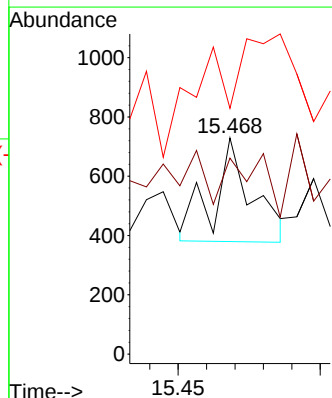
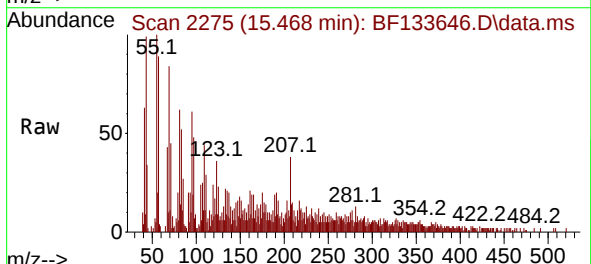
Instrument :
BNA_F
ClientSampleId :
TP-8

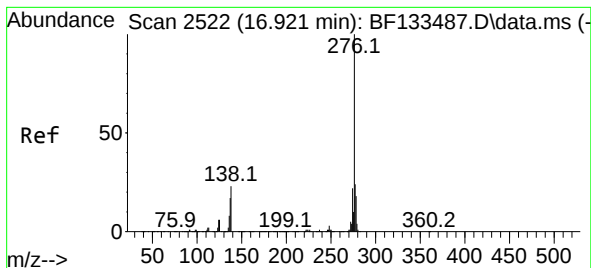
Tgt Ion:149 Resp: 543
Ion Ratio Lower Upper
149 100
167 30.8 1.3 1.9#
43 396.7 10.0 15.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.012 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

Tgt Ion:264 Resp: 330
Ion Ratio Lower Upper
264 100
260 90.7 19.0 28.4#
265 113.7 16.8 25.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.233 ng

RT: 16.945 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133646.D

Acq: 08 Jun 2023 17:42

Instrument :

BNA_F

ClientSampleId :

TP-8

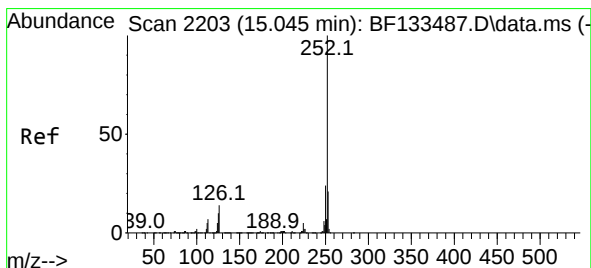
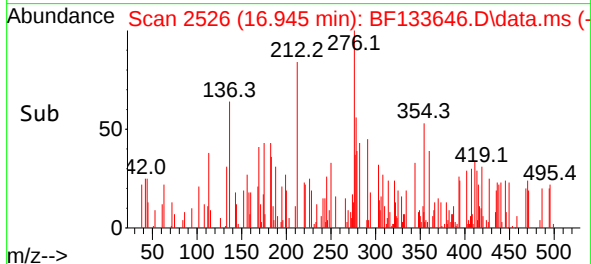
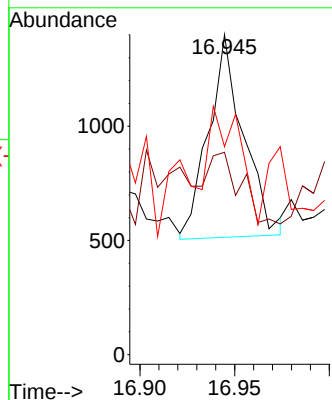
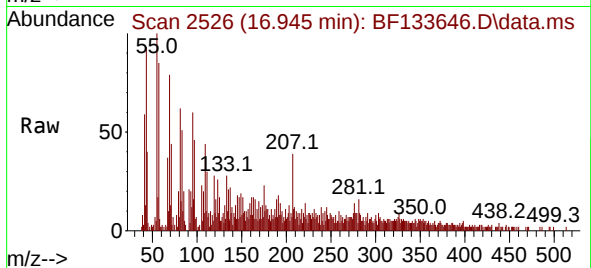
Tgt Ion:276 Resp: 1140

Ion Ratio Lower Upper

276 100

138 30.5 21.4 32.2

277 51.0 20.0 30.0#



#88

Benzo(b)fluoranthene

Concen: 227.515 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF133646.D

Acq: 08 Jun 2023 17:42

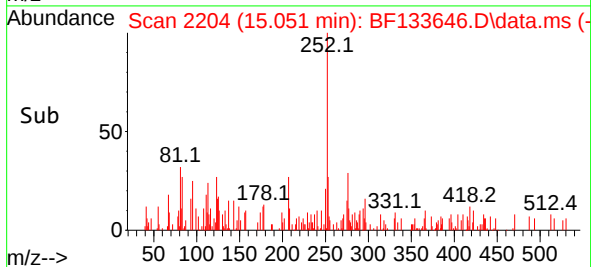
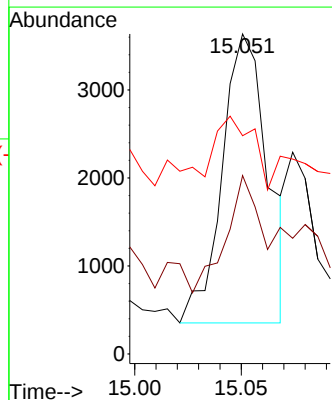
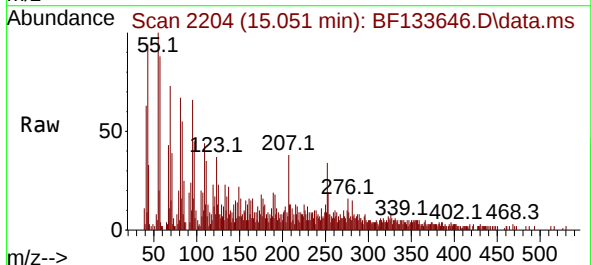
Tgt Ion:252 Resp: 4889

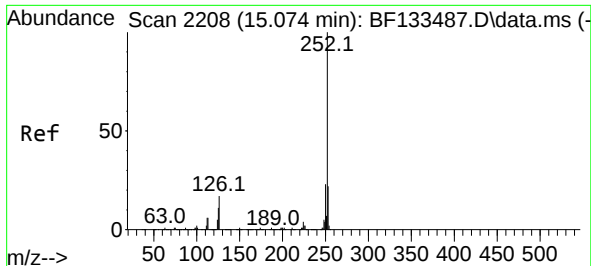
Ion Ratio Lower Upper

252 100

253 55.7 17.2 25.8#

125 68.2 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 233.331 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF133646.D

Acq: 08 Jun 2023 17:42

Instrument :

BNA_F

ClientSampleId :

TP-8

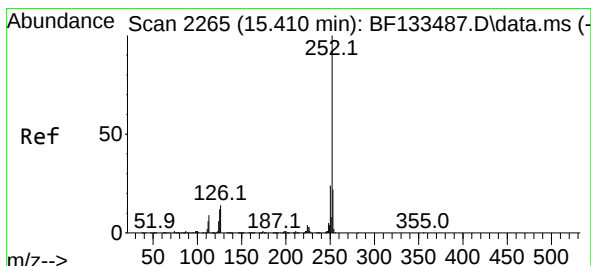
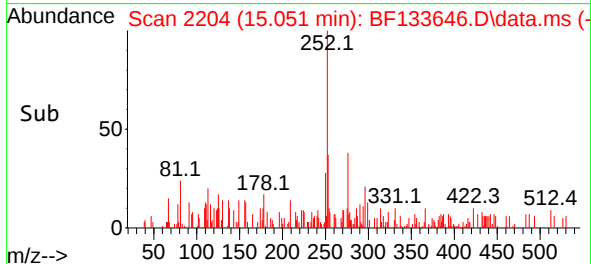
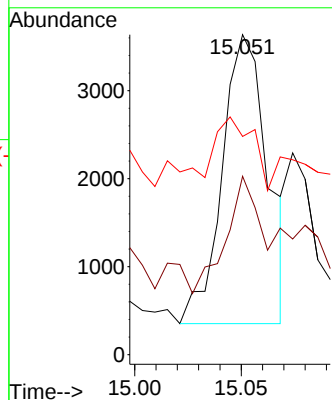
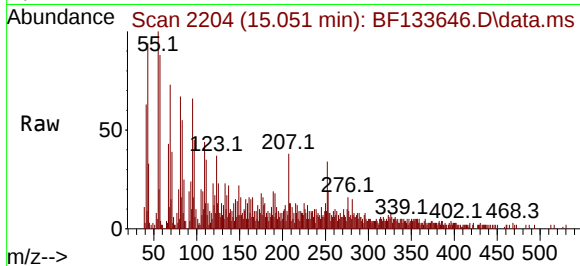
Tgt Ion:252 Resp: 4889

Ion Ratio Lower Upper

252 100

253 55.7 17.4 26.2#

125 68.2 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 119.928 ng

RT: 15.415 min Scan# 2266

Delta R.T. -0.000 min

Lab File: BF133646.D

Acq: 08 Jun 2023 17:42

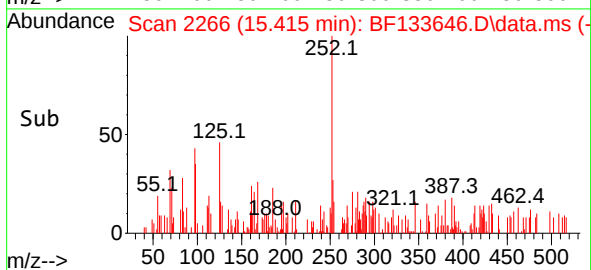
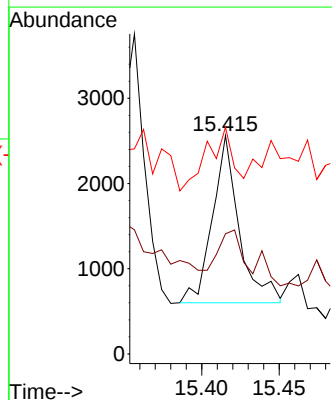
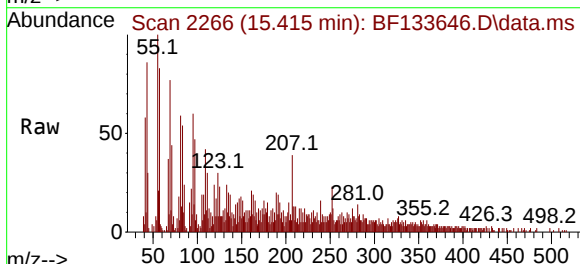
Tgt Ion:252 Resp: 2345

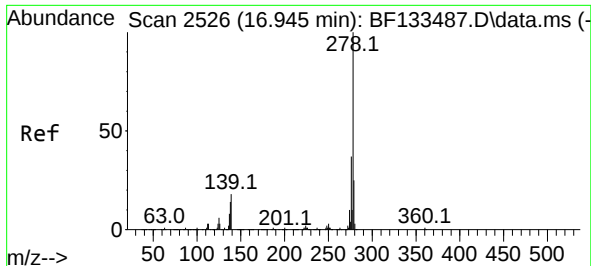
Ion Ratio Lower Upper

252 100

253 55.0 17.4 26.0#

125 103.8 9.4 14.0#

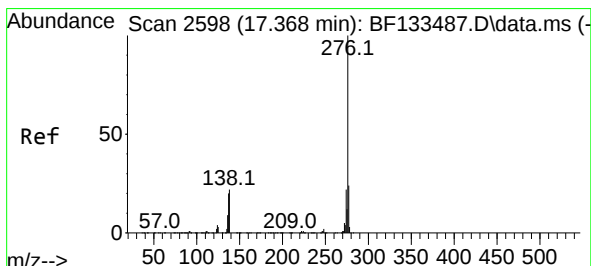
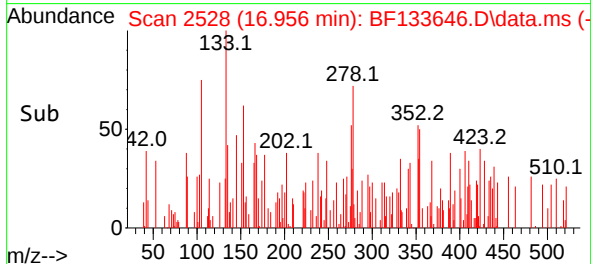
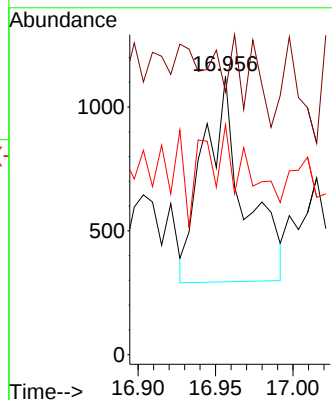
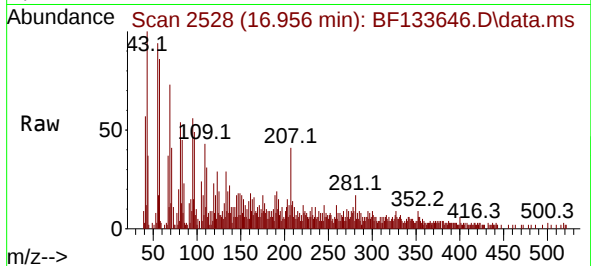




#91
Dibenzo(a,h)anthracene
Concen: 88.893 ng
RT: 16.956 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:278 Resp: 1515
Ion Ratio Lower Upper
278 100
139 94.3 14.1 21.1#
279 82.5 19.7 29.5#



#92
Benzo(g,h,i)perylene
Concen: 164.622 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.006 min
Lab File: BF133646.D
Acq: 08 Jun 2023 17:42

Tgt Ion:276 Resp: 2829
Ion Ratio Lower Upper
276 100
277 49.2 18.8 28.2#
138 54.1 17.8 26.6#

