

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
 Data File : BF133774.D
 Acq On : 15 Jun 2023 14:37
 Operator : CG\JU
 Sample : 03155-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jun 15 15:41:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 15:12:57 2023
 Response via : Initial Calibration

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

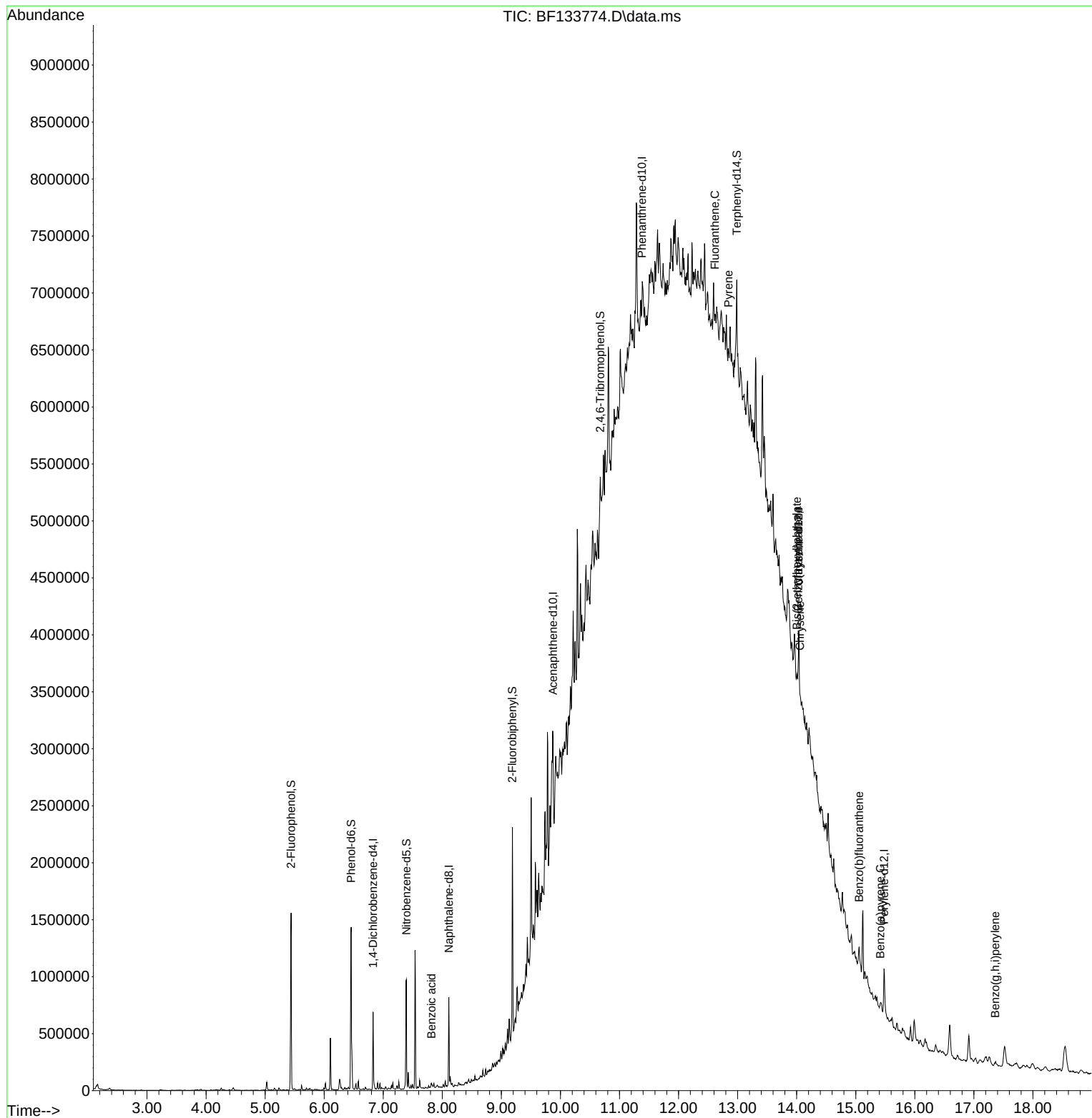
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.827	152	83595	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	294299	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	116319	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	149702	20.000	ng	# 0.02
76) Chrysene-d12	14.033	240	174998	20.000	ng	# 0.03
86) Perylene-d12	15.480	264	170800	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	387026	80.600	ng	0.00
7) Phenol-d6	6.457	99	436216	69.791	ng	0.00
23) Nitrobenzene-d5	7.392	82	285655	52.867	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	98582	66.954	ng	0.01
45) 2-Fluorobiphenyl	9.186	172	494995	60.493	ng	0.00
79) Terphenyl-d14	12.986	244	439375	38.850	ng	0.04
Target Compounds						
						Qvalue
32) Benzoic acid	7.816	122	8402m	3.165	ng	
75) Fluoranthene	12.615	202	41744	5.176	ng	# 47
78) Pyrene	12.845	202	41943	2.573	ng	# 57
81) Benzo(a)anthracene	14.027	228	25256	2.086	ng	# 63
83) Chrysene	14.056	228	30524	2.666	ng	# 84
84) Bis(2-ethylhexyl)phtha...	14.003	149	21453	2.532	ng	# 82
88) Benzo(b)fluoranthene	15.056	252	49133m	4.736	ng	
90) Benzo(a)pyrene	15.415	252	27253	2.830	ng	# 74
92) Benzo(g,h,i)perylene	17.362	276	22222	2.304	ng	# 91

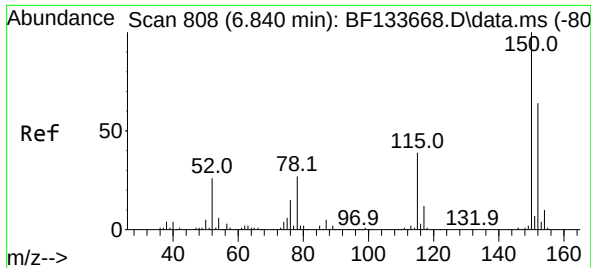
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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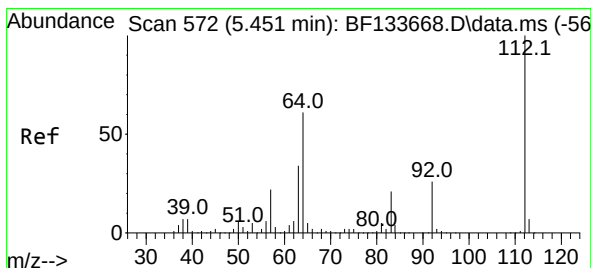
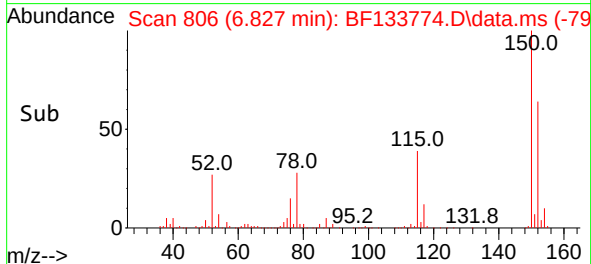
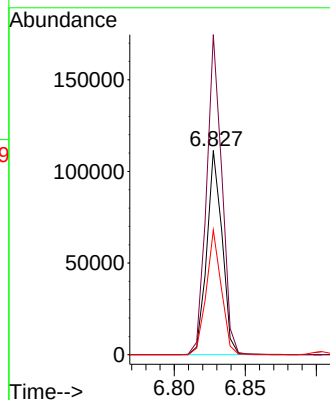
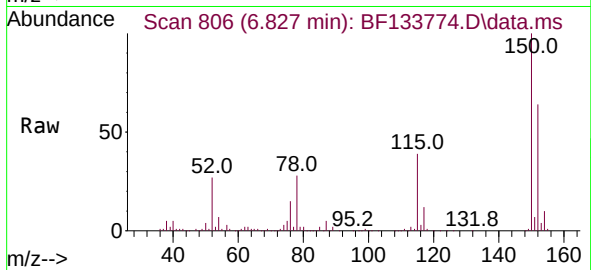




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.827 min Scan# 80
Delta R.T. -0.007 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

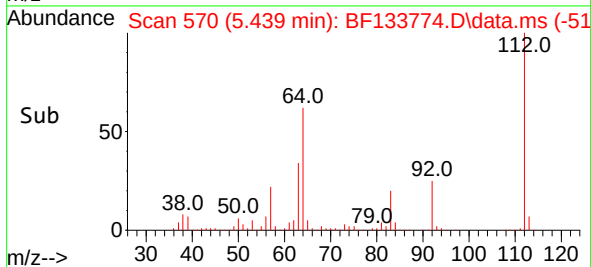
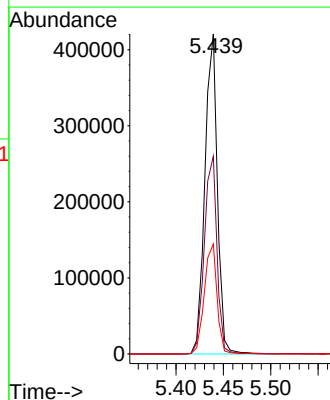
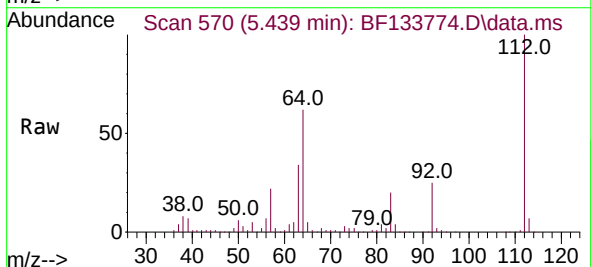
Instrument :
BNA_F
ClientSampleId :
WC-1

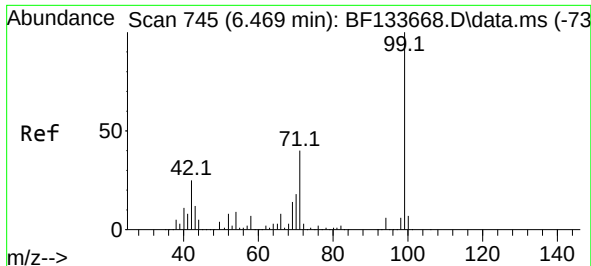
Tgt Ion:152 Resp: 83595
Ion Ratio Lower Upper
152 100
150 156.7 124.3 186.5
115 61.0 48.5 72.7



#5
2-Fluorophenol
Concen: 80.600 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion:112 Resp: 387026
Ion Ratio Lower Upper
112 100
64 61.7 49.0 73.4
63 34.4 26.8 40.2

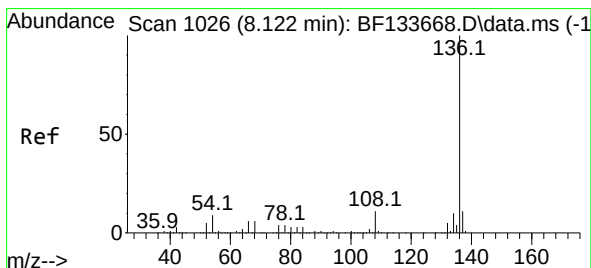
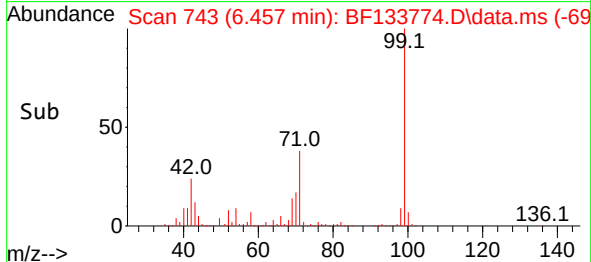
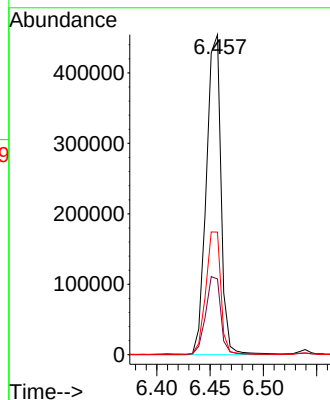
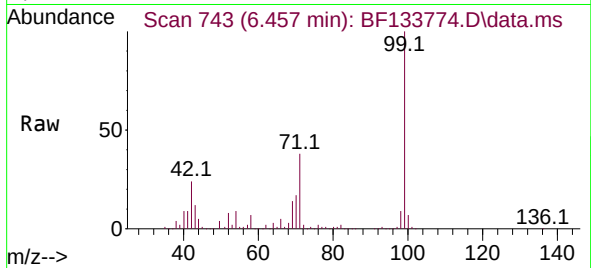




#7
Phenol-d6
Concen: 69.791 ng
RT: 6.457 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

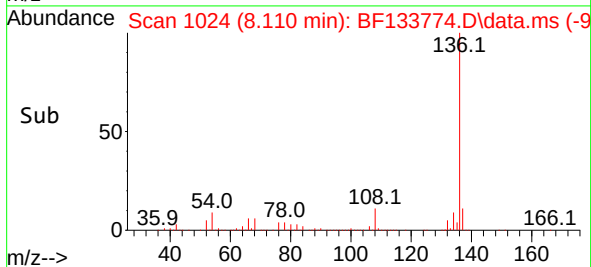
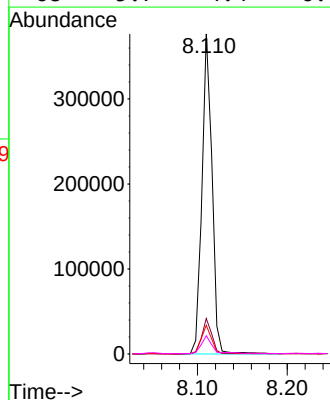
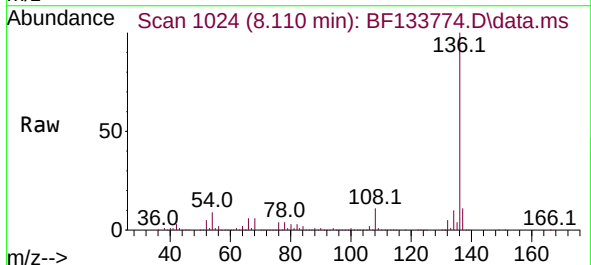
Instrument :
BNA_F
ClientSampleId :
WC-1

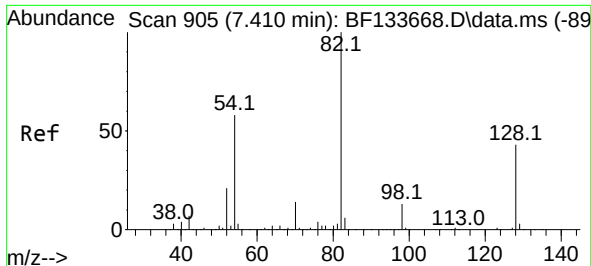
Tgt Ion: 99 Resp: 436216
Ion Ratio Lower Upper
99 100
42 23.7 19.9 29.9
71 38.3 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion: 136 Resp: 294299
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.0 7.4 11.0
68 5.7 4.4 6.6





#23

Nitrobenzene-d5

Concen: 52.867 ng

RT: 7.392 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

BNA_F

ClientSampleId :

WC-1

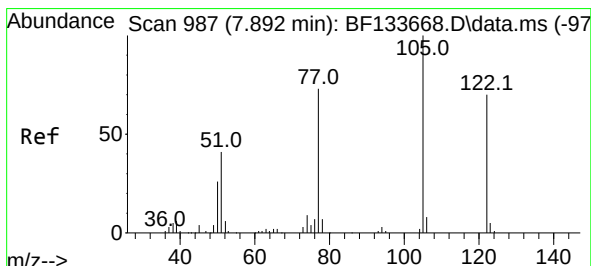
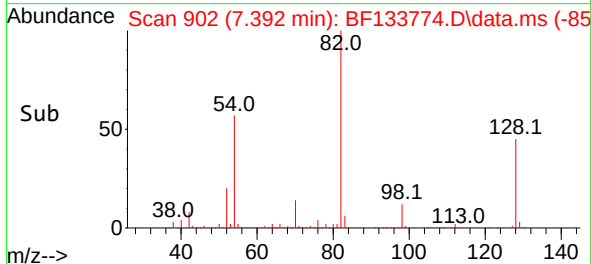
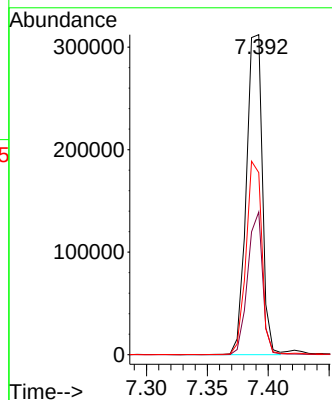
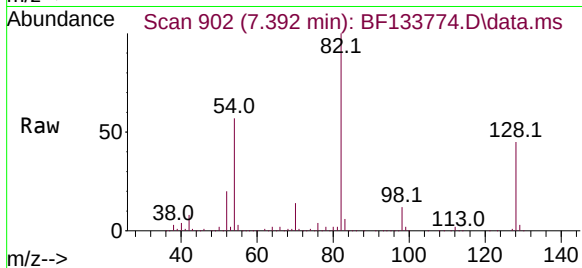
Tgt Ion: 82 Resp: 285655

Ion Ratio Lower Upper

82 100

128 44.6 34.2 51.2

54 56.9 46.5 69.7



#32

Benzoic acid

Concen: 3.165 ng m

RT: 7.816 min Scan# 974

Delta R.T. -0.065 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

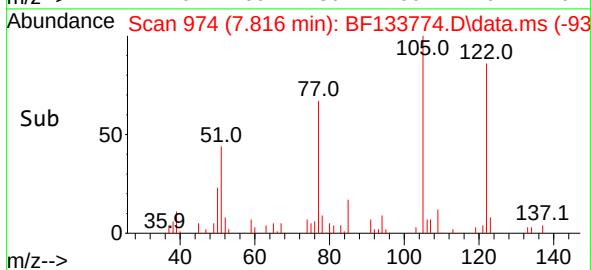
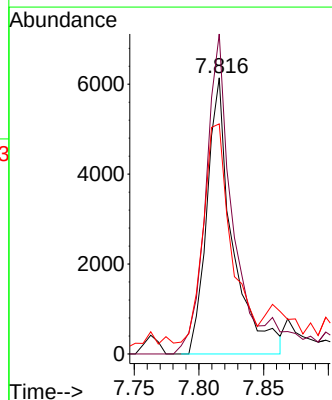
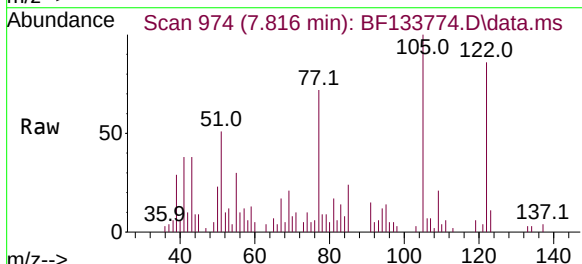
Tgt Ion:122 Resp: 8402

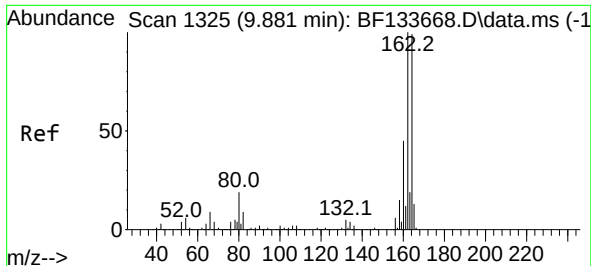
Ion Ratio Lower Upper

122 100

105 115.9 116.3 156.3#

77 83.3 82.4 122.4

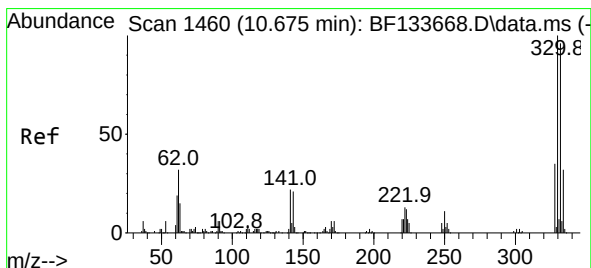
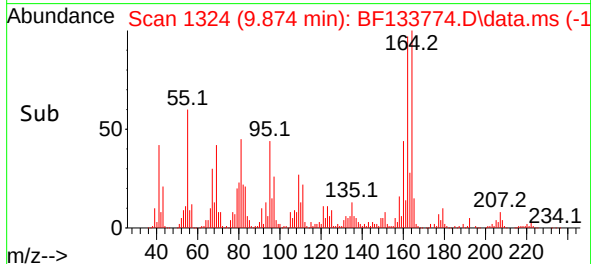
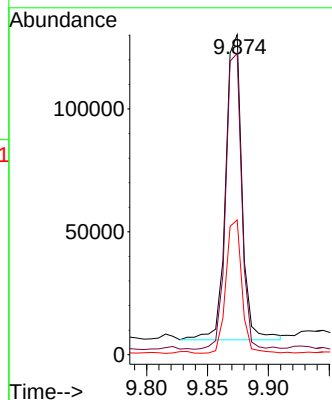
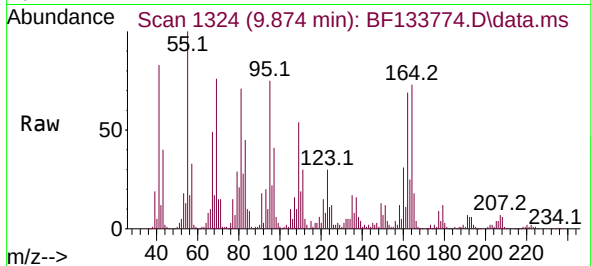




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

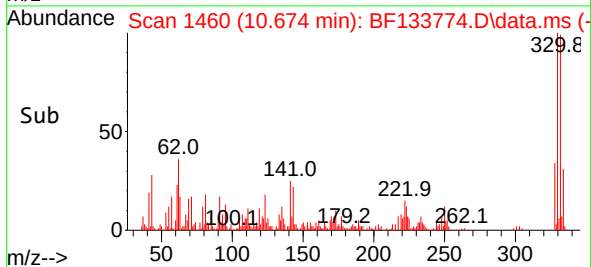
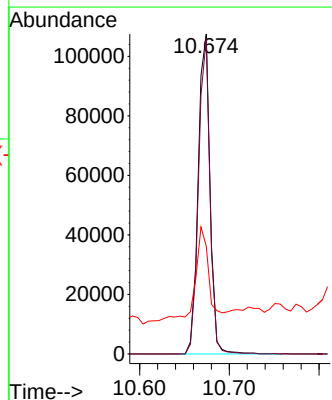
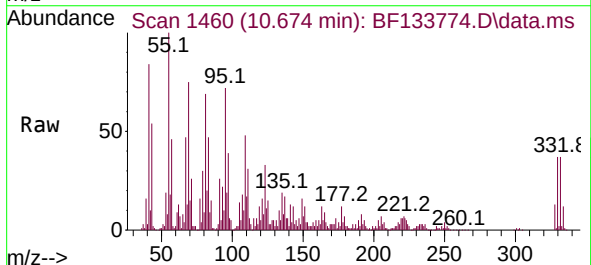
Instrument :
BNA_F
ClientSampleId :
WC-1

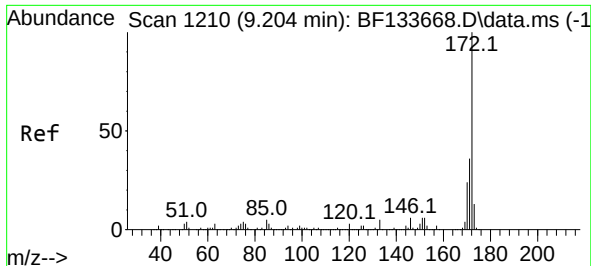
Tgt Ion:164 Resp: 116319
Ion Ratio Lower Upper
164 100
162 94.1 80.8 121.2
160 42.1 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 66.954 ng
RT: 10.674 min Scan# 1460
Delta R.T. 0.011 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion:330 Resp: 98582
Ion Ratio Lower Upper
330 100
332 95.0 77.2 115.8
141 33.3 24.9 37.3

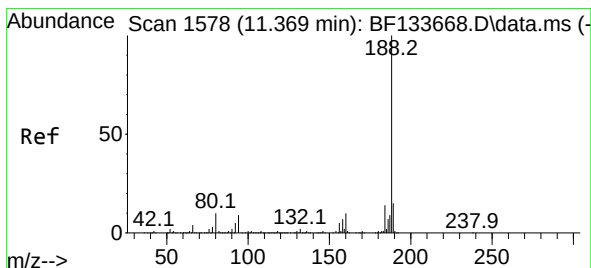
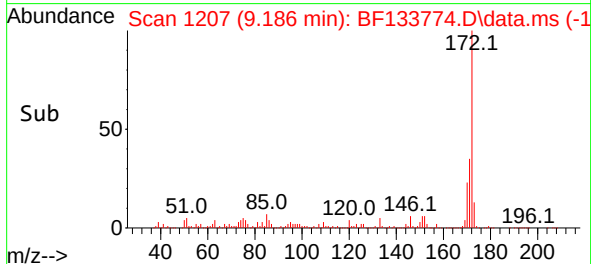
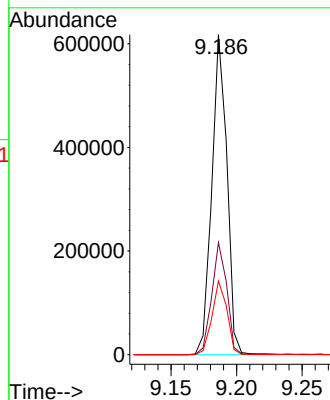
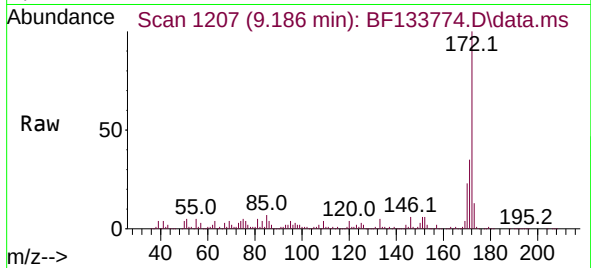




#45
2-Fluorobiphenyl
Concen: 60.493 ng
RT: 9.186 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

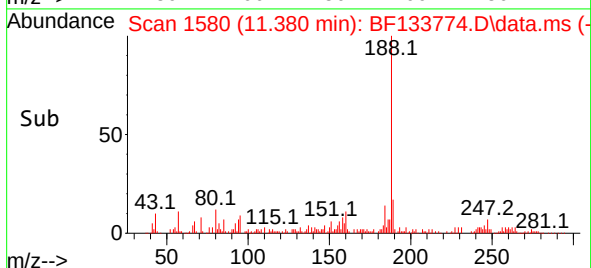
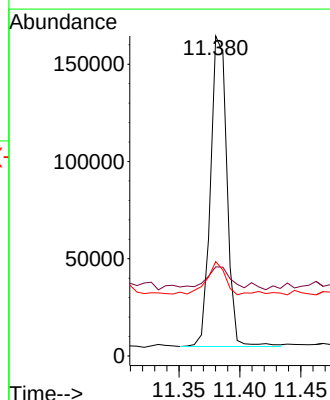
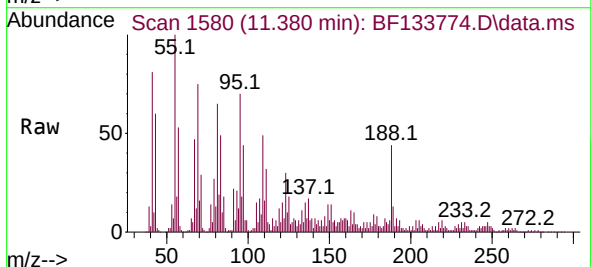
Instrument :
BNA_F
ClientSampleId :
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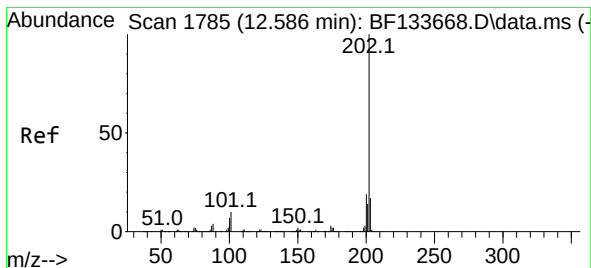
Tgt Ion:172 Resp: 494995
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 23.0 19.1 28.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.023 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion:188 Resp: 149702
Ion Ratio Lower Upper
188 100
94 27.8 6.8 10.2#
80 29.5 7.8 11.6#





#75

Fluoranthene

Concen: 5.176 ng

RT: 12.615 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

BNA_F

ClientSampleId :

WC-1

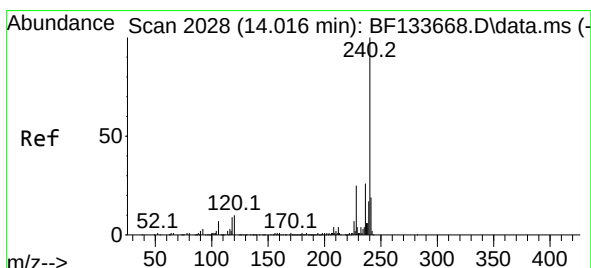
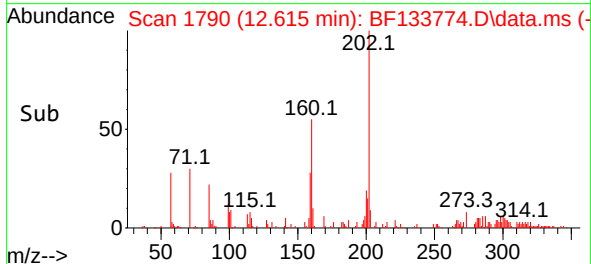
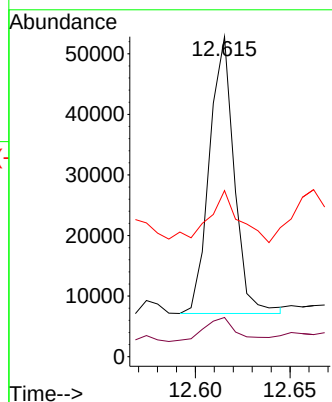
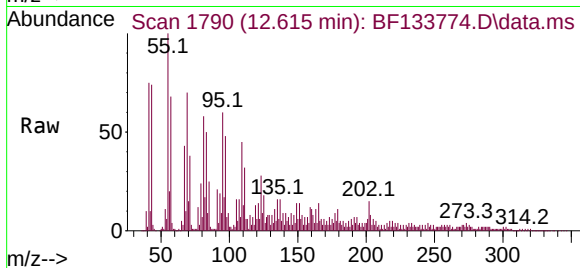
Tgt Ion:202 Resp: 41744

Ion Ratio Lower Upper

202 100

101 12.3 0.0 29.6

203 51.9 0.0 37.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.029 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

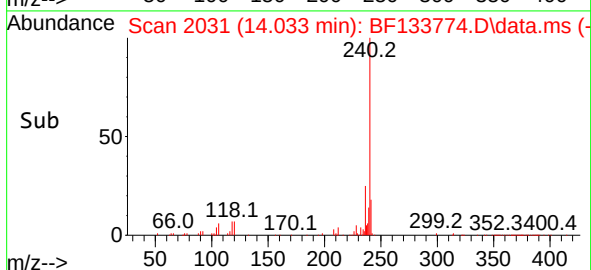
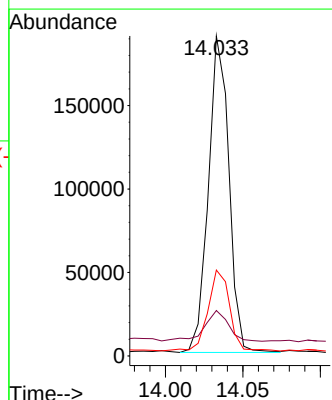
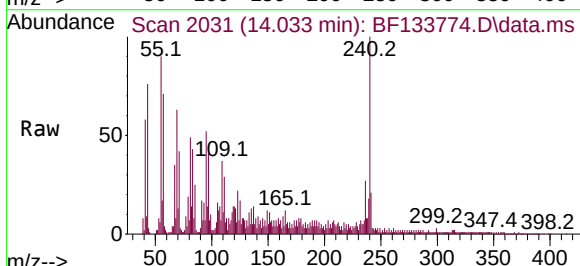
Tgt Ion:240 Resp: 174998

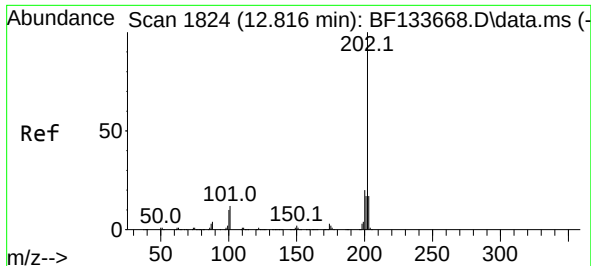
Ion Ratio Lower Upper

240 100

120 14.2 8.1 12.1#

236 26.9 20.5 30.7





#78

Pyrene

Concen: 2.573 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.041 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

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ClientSampleId :

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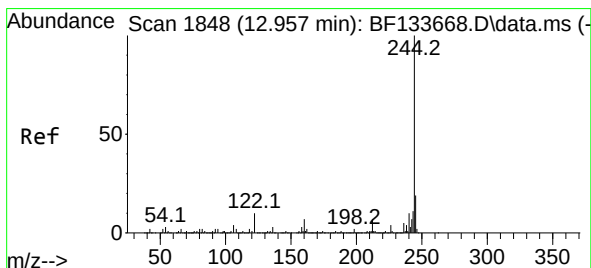
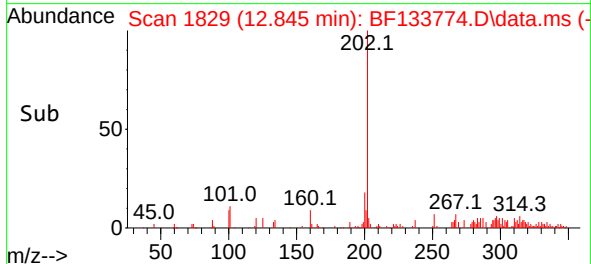
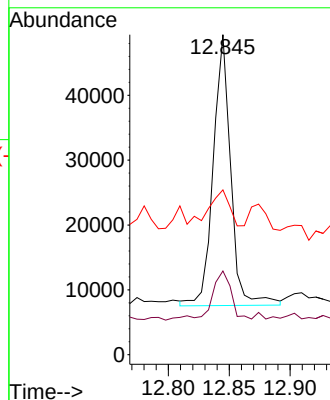
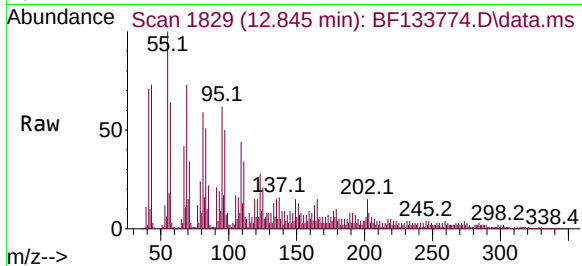
Tgt Ion:202 Resp: 41943

Ion Ratio Lower Upper

202 100

200 26.1 16.2 24.2#

203 51.5 13.9 20.9#



#79

Terphenyl-d14

Concen: 38.850 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.041 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

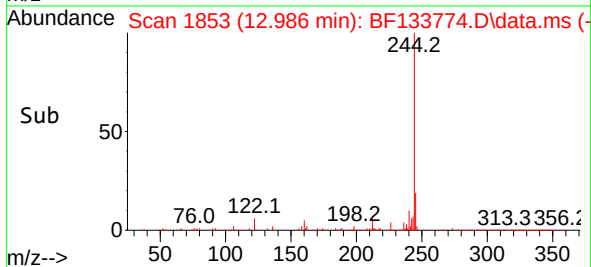
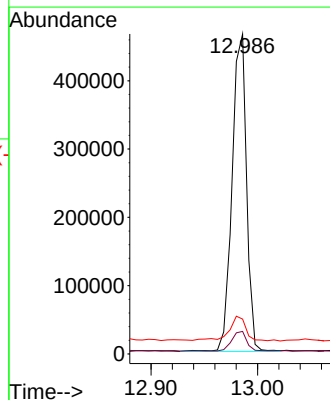
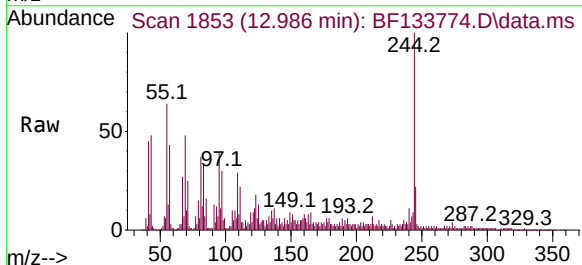
Tgt Ion:244 Resp: 439375

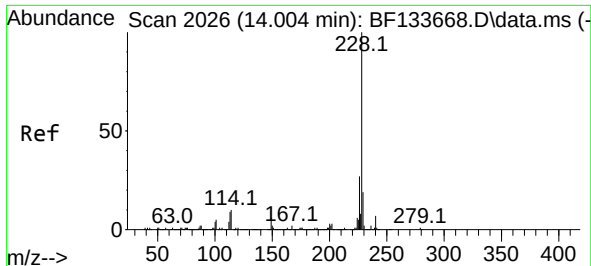
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 10.9 8.1 12.1

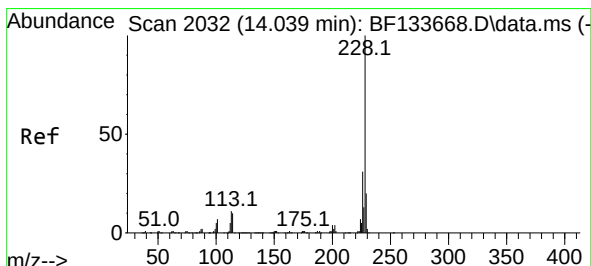
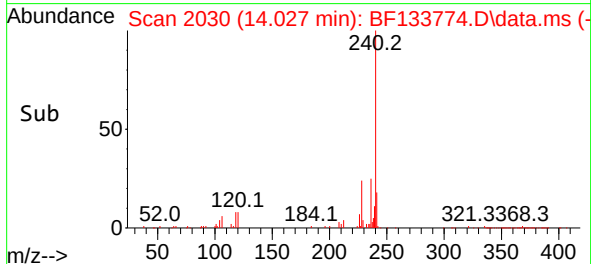
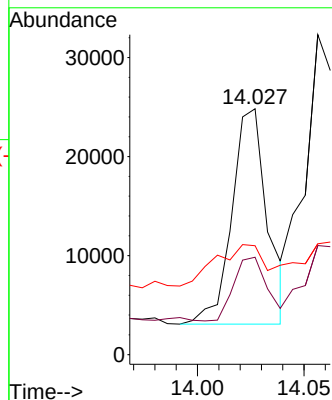
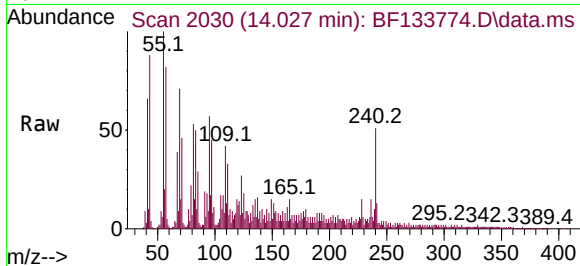




#81
Benzo(a)anthracene
Concen: 2.086 ng
RT: 14.027 min Scan# 2026
Delta R.T. 0.035 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

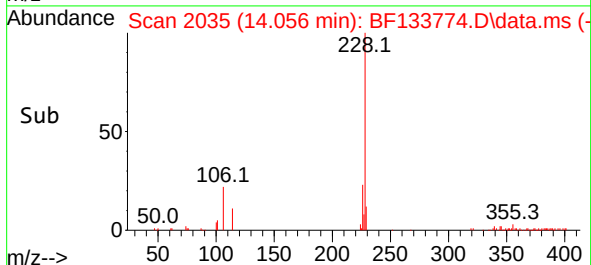
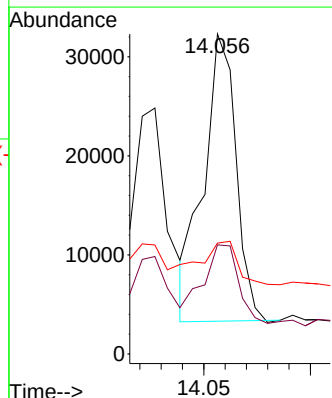
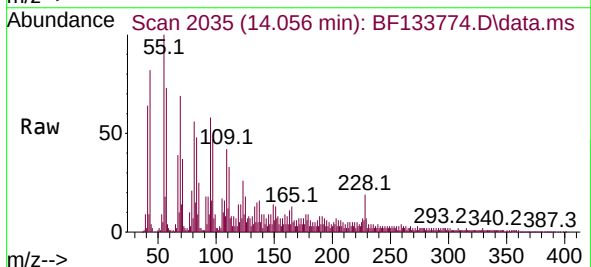
Instrument :
BNA_F
ClientSampleId :
WC-1

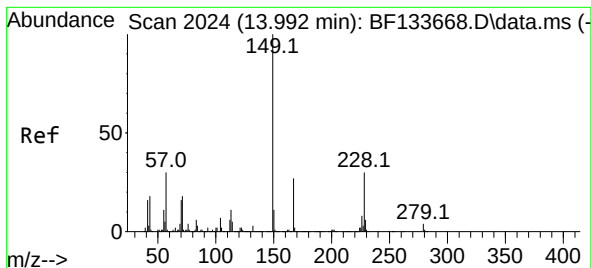
Tgt Ion:228 Resp: 25256
Ion Ratio Lower Upper
228 100
226 39.6 21.7 32.5#
229 44.3 15.4 23.2#



#83
Chrysene
Concen: 2.666 ng
RT: 14.056 min Scan# 2035
Delta R.T. 0.029 min
Lab File: BF133774.D
Acq: 15 Jun 2023 14:37

Tgt Ion:228 Resp: 30524
Ion Ratio Lower Upper
228 100
226 34.1 25.0 37.6
229 34.6 15.8 23.8#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.532 ng

RT: 14.003 min Scan# 2024

Delta R.T. 0.023 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

BNA_F

ClientSampleId :

WC-1

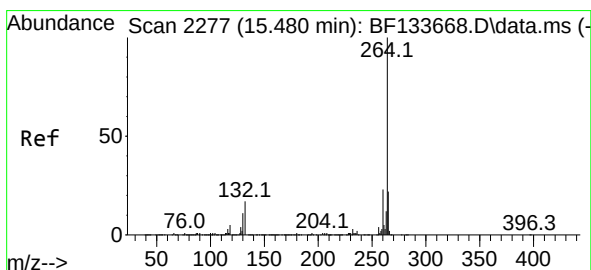
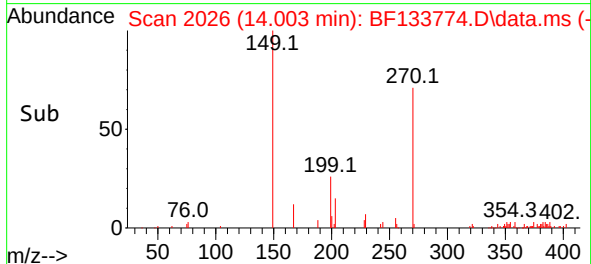
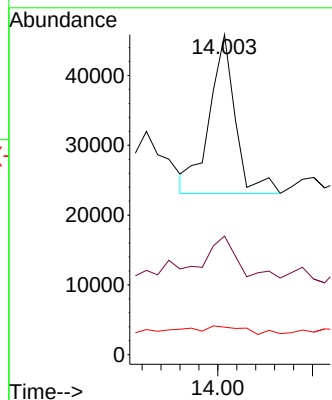
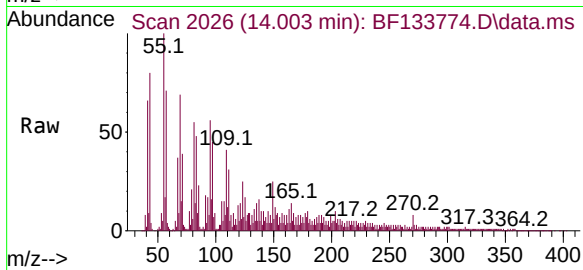
Tgt Ion:149 Resp: 21453

Ion Ratio Lower Upper

149 100

167 37.0 21.8 32.8#

279 8.6 3.3 4.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.017 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

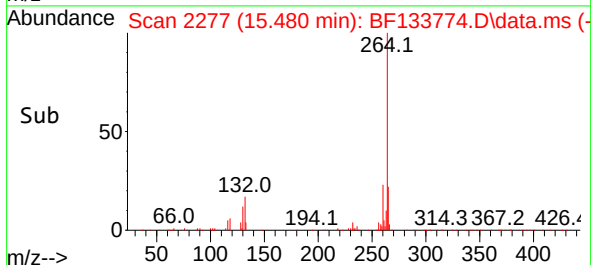
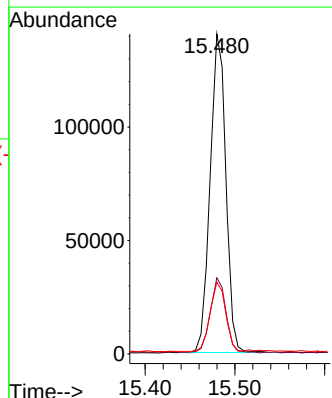
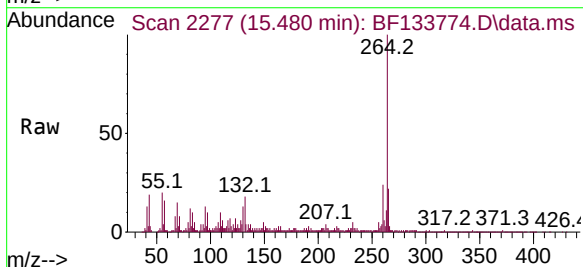
Tgt Ion:264 Resp: 170800

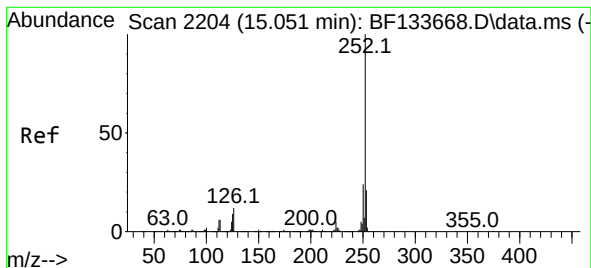
Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.2

265 22.4 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 4.736 ng m

RT: 15.056 min Scan# 2204

Delta R.T. 0.017 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

Instrument :

BNA_F

ClientSampleId :

WC-1

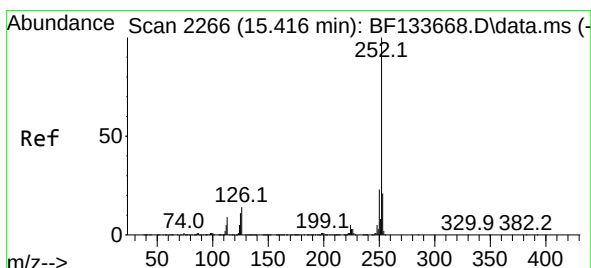
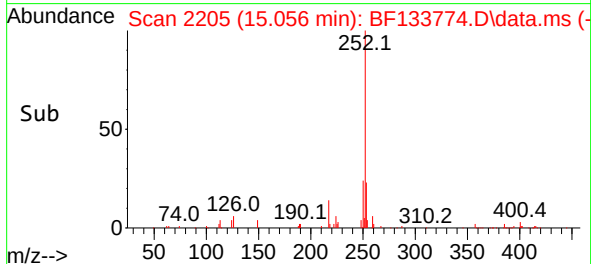
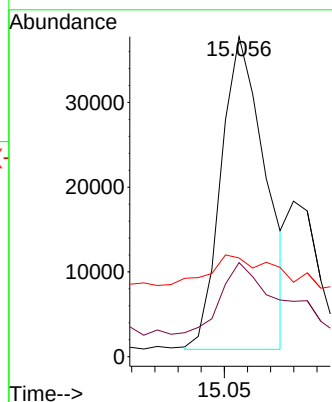
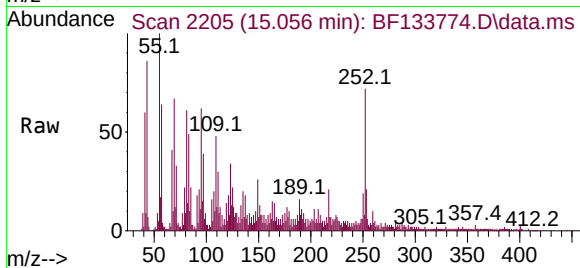
Tgt Ion:252 Resp: 49133

Ion Ratio Lower Upper

252 100

253 29.4 17.0 25.6#

125 30.8 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 2.830 ng

RT: 15.415 min Scan# 2266

Delta R.T. 0.011 min

Lab File: BF133774.D

Acq: 15 Jun 2023 14:37

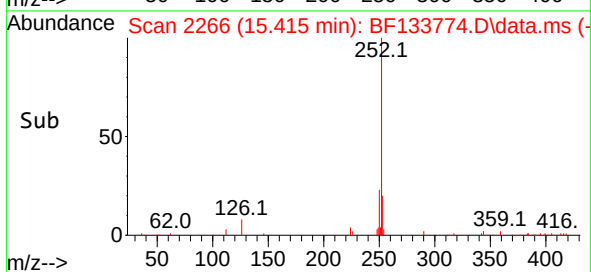
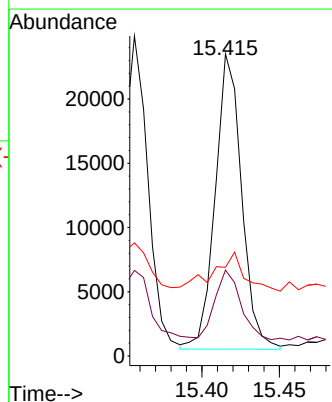
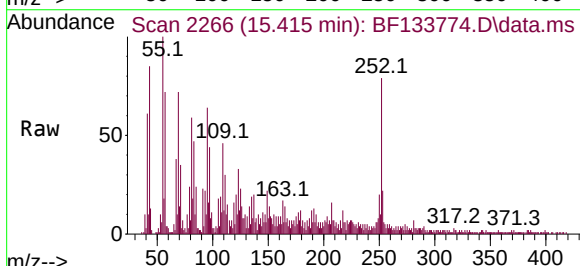
Tgt Ion:252 Resp: 27253

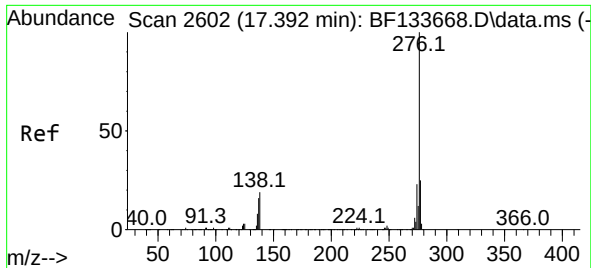
Ion Ratio Lower Upper

252 100

253 28.5 17.1 25.7#

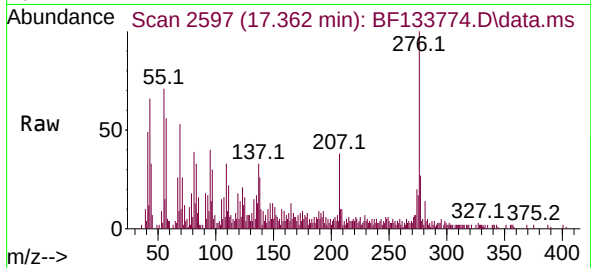
125 29.3 8.6 13.0#





#92
 Benzo(g,h,i)perylene
 Concen: 2.304 ng
 RT: 17.362 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133774.D
 Acq: 15 Jun 2023 14:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:	276	Resp:	22222
Ion Ratio	Lower	Upper	
276	100		
277	26.6	19.8	29.8
138	26.1	15.0	22.4#

