

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133656.D
 Acq On : 08 Jun 2023 23:58
 Operator : CG\JU
 Sample : 03047-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC32

Quant Time: Jun 09 01:51:28 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)

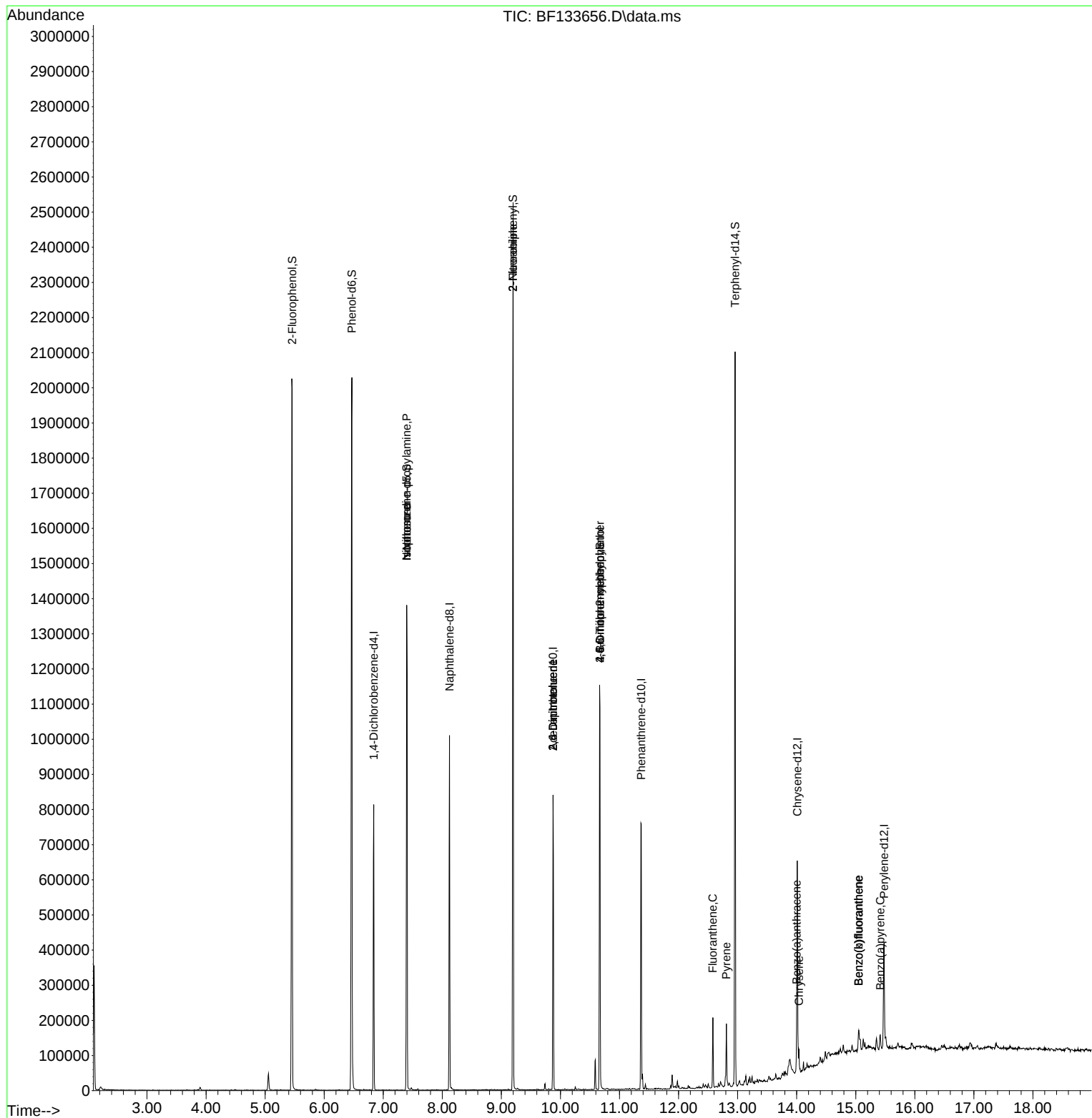
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	111245	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	388191	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	157915	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	290487	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	177375	20.000	ng	0.00
86) Perylene-d12	15.480	264	145040	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	574335	86.139	ng	0.01
7) Phenol-d6	6.469	99	671738	81.842	ng	0.00
23) Nitrobenzene-d5	7.398	82	413729	71.161	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	143161	90.947	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	717129	70.091	ng	0.00
79) Terphenyl-d14	12.957	244	679720	68.134	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.387	77	111	Below Cal	#	34
19) n-Nitroso-di-n-propyla...	7.398	70	56721	10.681	ng	# 78
25) Isophorone	7.398	82	413723	30.533	ng	# 65
48) 2-Nitroaniline	9.198	65	1266	4.379	ng	# 1
51) 2,6-Dinitrotoluene	9.875	165	20314	12.570	ng	# 17
57) 2,4-Dinitrotoluene	9.875	165	20314	11.735	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.669	198	282	8.906	ng	# 1
67) 4-Bromophenyl-phenylether	10.669	248	8799	2.852	ng	# 1
75) Fluoranthene	12.580	202	72135	4.439	ng	98
78) Pyrene	12.810	202	66217	4.387	ng	97
81) Benzo(a)anthracene	13.998	228	33011	2.794	ng	97
83) Chrysene	14.039	228	26847	2.251	ng	97
88) Benzo(b)fluoranthene	15.051	252	44663	4.729	ng	# 93
89) Benzo(k)fluoranthene	15.051	252	44663	4.850	ng	# 94
90) Benzo(a)pyrene	15.415	252	22551	2.624	ng	97

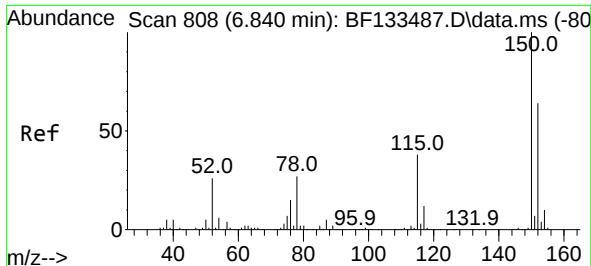
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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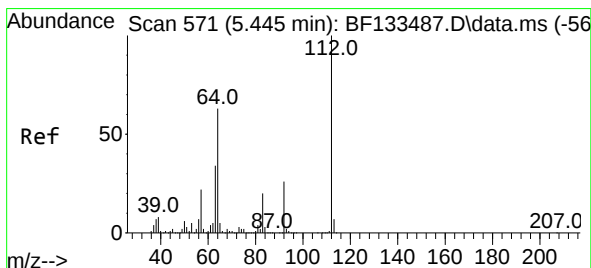
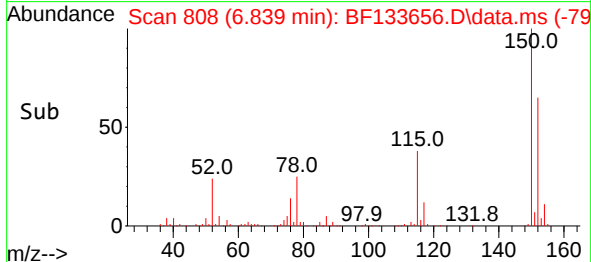
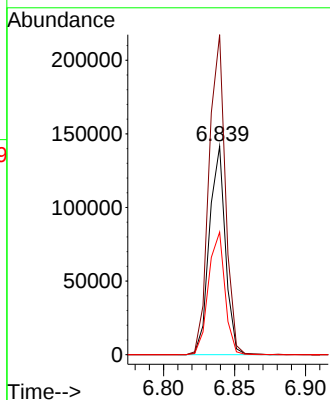
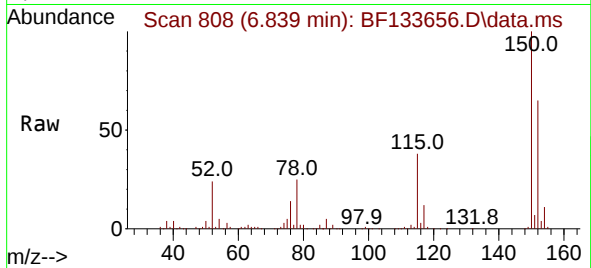




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

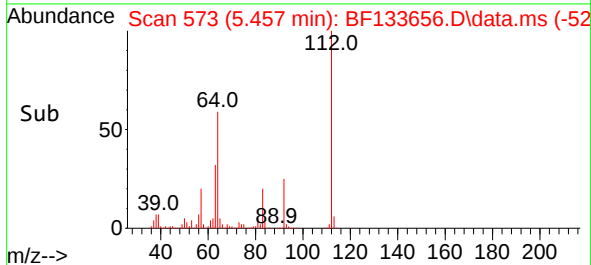
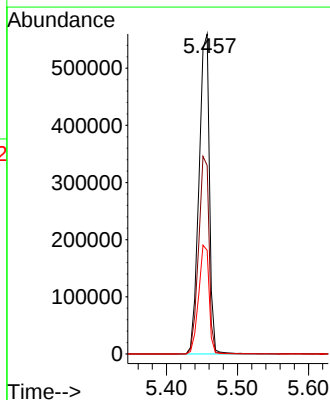
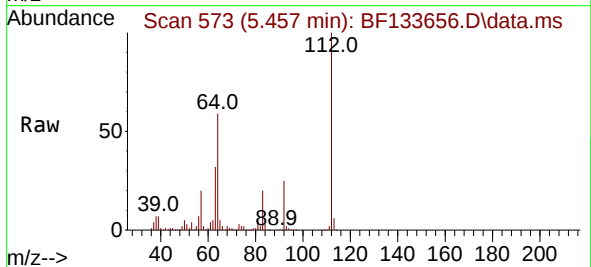
Instrument :
BNA_F
ClientSampleId :
WC32

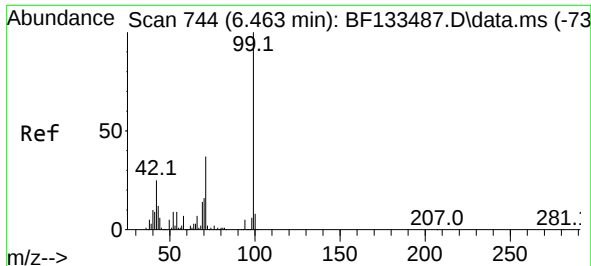
Tgt Ion:152 Resp: 111245
Ion Ratio Lower Upper
152 100
150 153.5 124.9 187.3
115 58.8 48.1 72.1



#5
2-Fluorophenol
Concen: 86.139 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

Tgt Ion:112 Resp: 574335
Ion Ratio Lower Upper
112 100
64 58.9 50.1 75.1
63 32.4 27.5 41.3

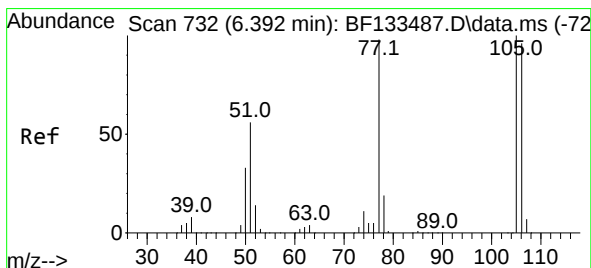
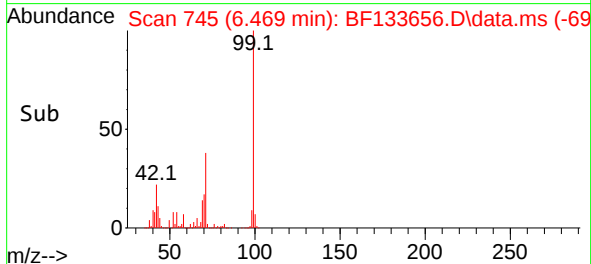
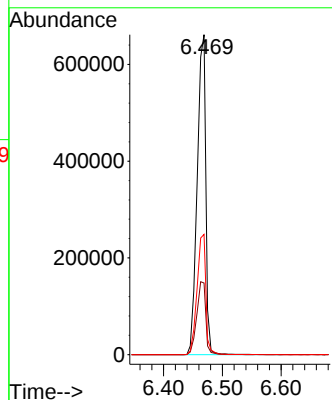
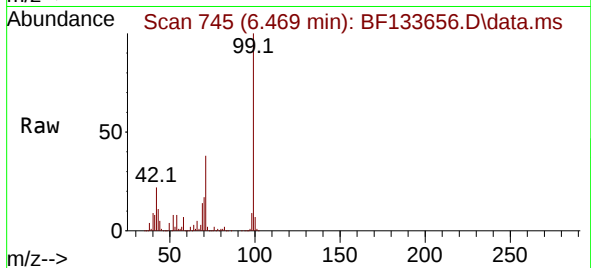




#7
Phenol-d6
Concen: 81.842 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

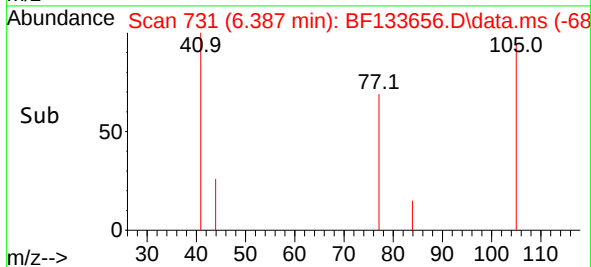
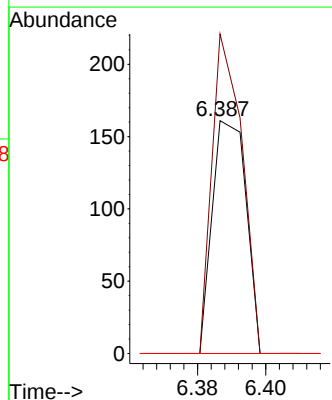
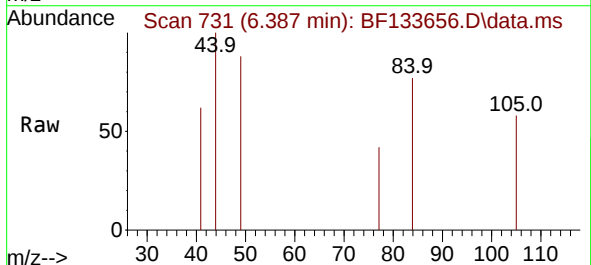
Instrument :
BNA_F
ClientSampleId :
WC32

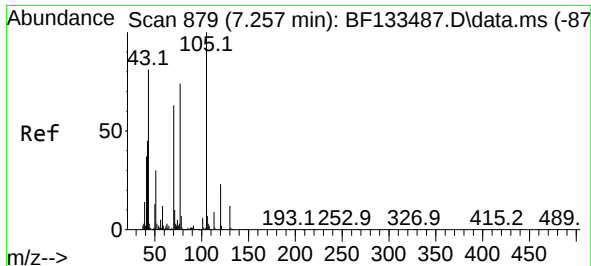
Tgt Ion: 99 Resp: 671738
Ion Ratio Lower Upper
99 100
42 22.4 19.7 29.5
71 37.6 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

Tgt Ion: 77 Resp: 111
Ion Ratio Lower Upper
77 100
105 137.3 81.9 121.9#
106 0.0 77.8 117.8#



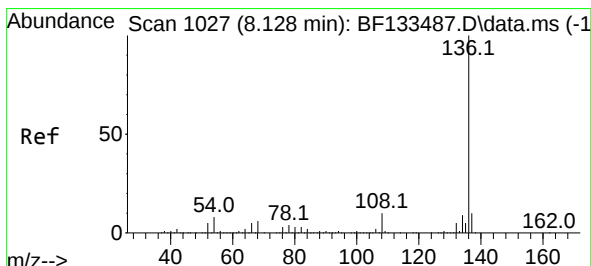
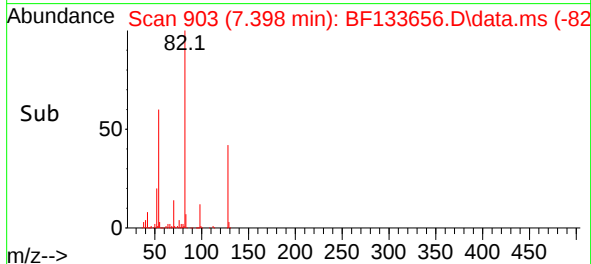
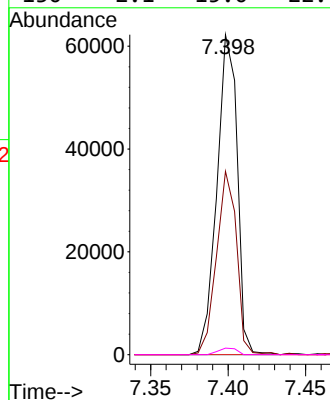
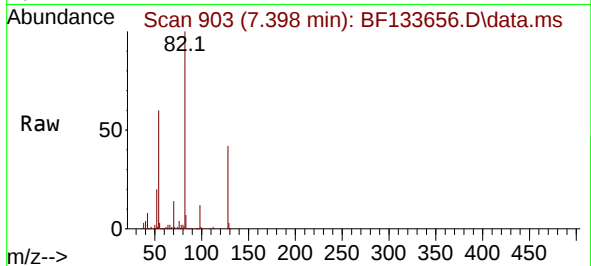


#19
n-Nitroso-di-n-propylamine
Concen: 10.681 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

Instrument :
BNA_F
ClientSampleId :
WC32

Tgt Ion: 70 Resp: 56721

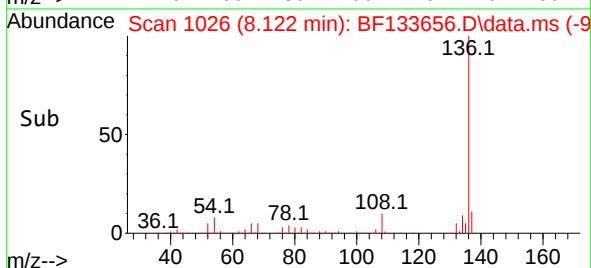
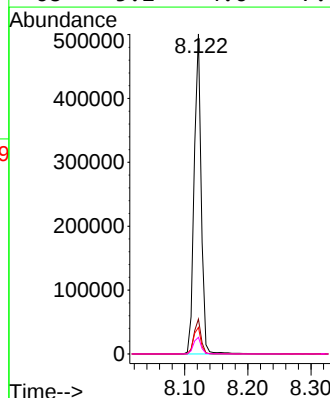
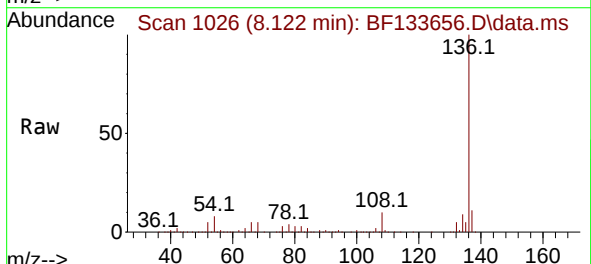
Ion	Ratio	Lower	Upper
70	100		
42	57.3	57.2	85.8
101	0.0	7.3	10.9#
130	2.1	15.0	22.4#

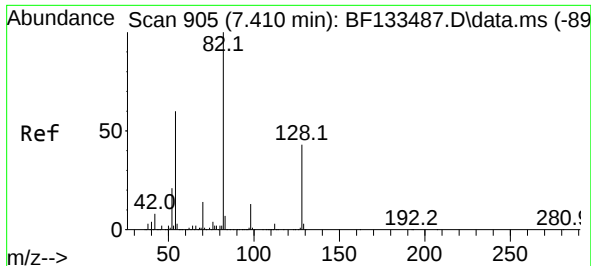


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

Tgt Ion: 136 Resp: 388191

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	8.3	6.6	10.0
68	5.2	4.6	7.0





#23

Nitrobenzene-d5

Concen: 71.161 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133656.D

Acq: 08 Jun 2023 23:58

Instrument :

BNA_F

ClientSampleId :

WC32

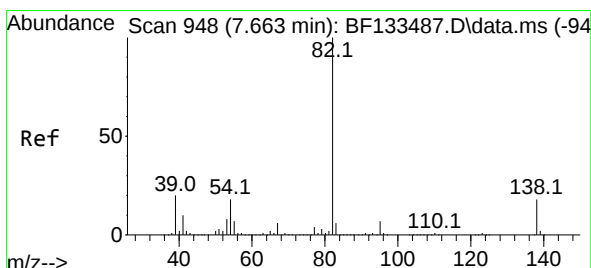
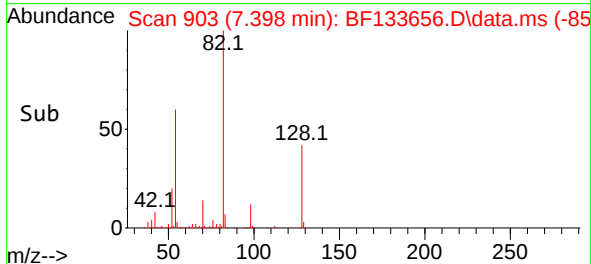
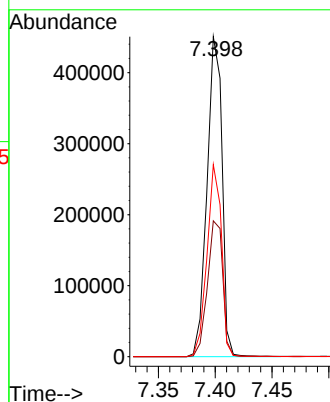
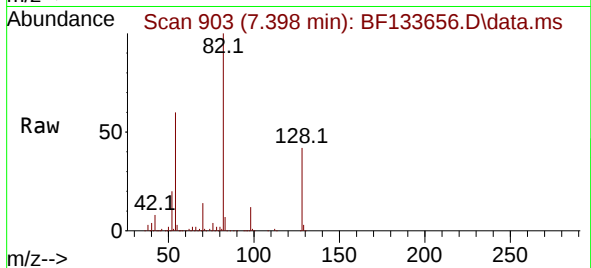
Tgt Ion: 82 Resp: 413729

Ion Ratio Lower Upper

82 100

128 42.4 34.2 51.4

54 60.0 48.2 72.4



#25

Isophorone

Concen: 30.533 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF133656.D

Acq: 08 Jun 2023 23:58

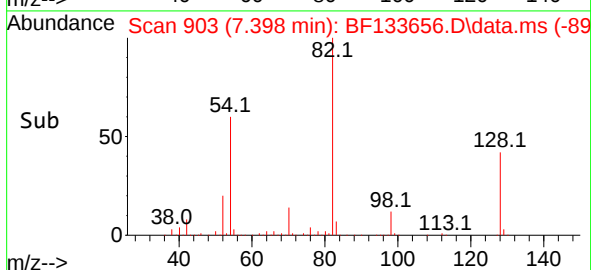
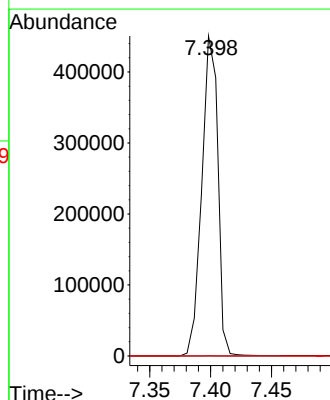
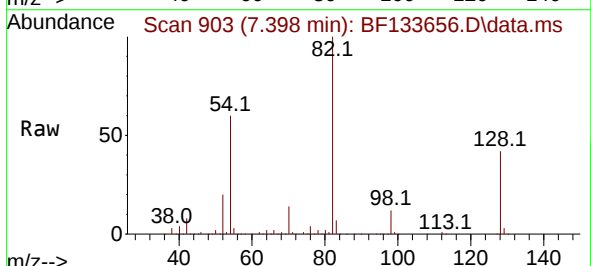
Tgt Ion: 82 Resp: 413723

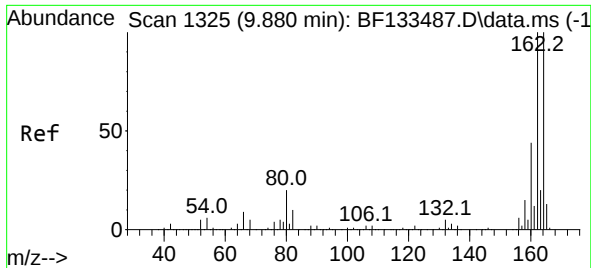
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

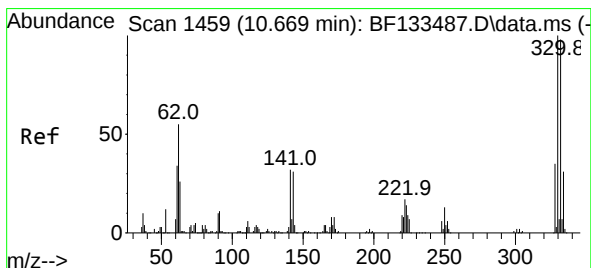
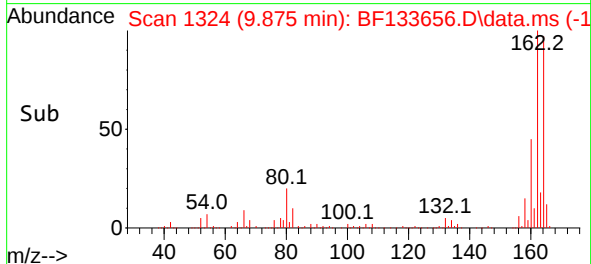
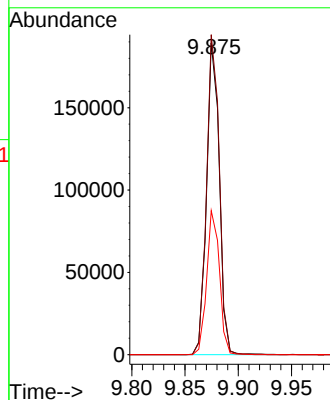
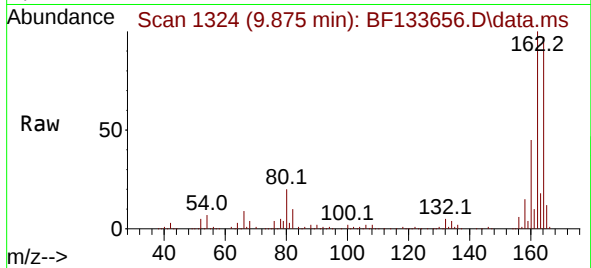




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

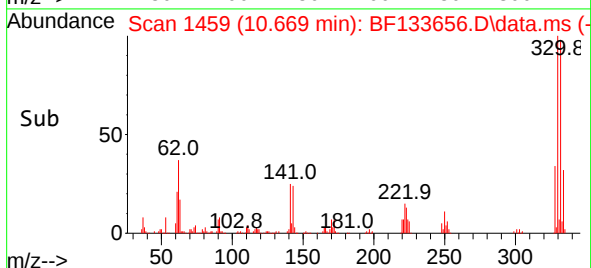
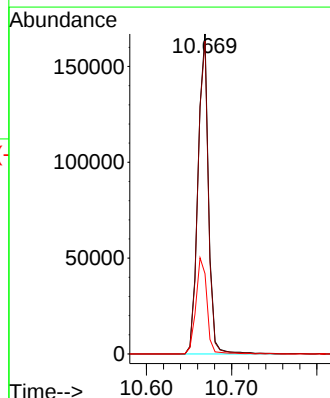
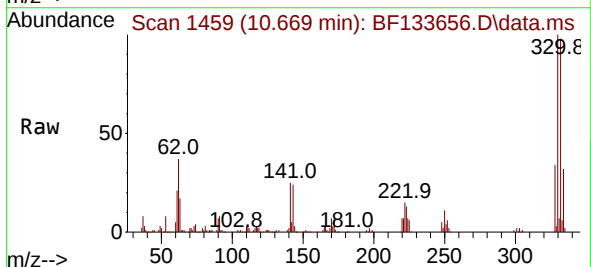
Instrument :
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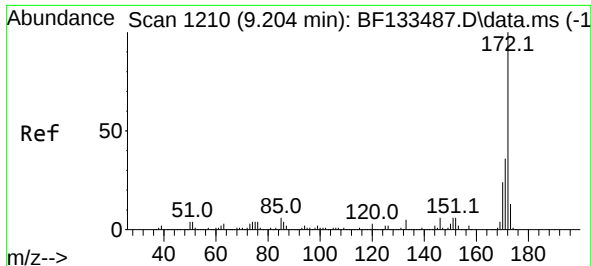
Tgt Ion:164 Resp: 157915
Ion Ratio Lower Upper
164 100
162 102.7 79.7 119.5
160 46.2 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 90.947 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

Tgt Ion:330 Resp: 143161
Ion Ratio Lower Upper
330 100
332 97.8 77.8 116.6
141 31.5 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 70.091 ng

RT: 9.198 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133656.D

Acq: 08 Jun 2023 23:58

Instrument :

BNA_F

ClientSampleId :

WC32

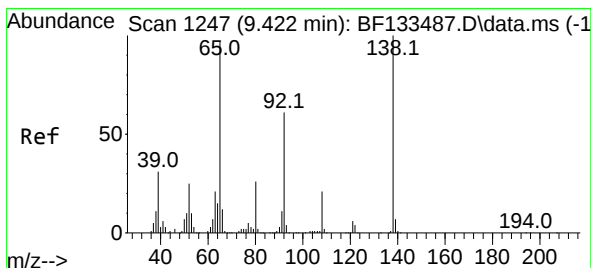
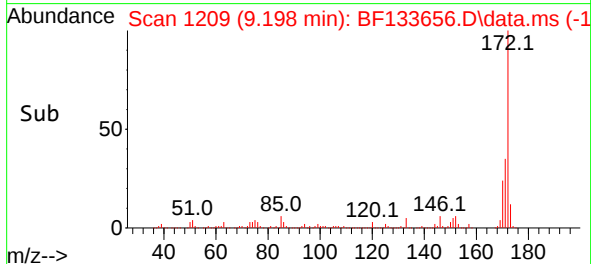
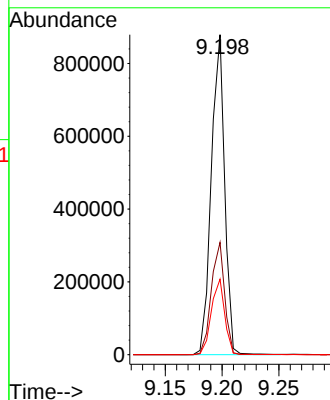
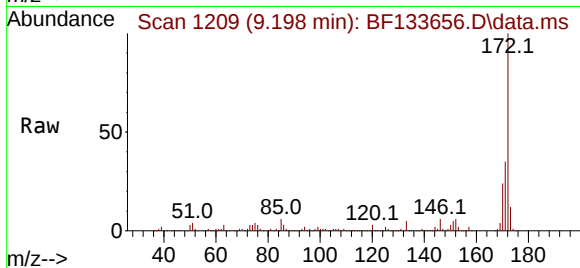
Tgt Ion:172 Resp: 717129

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.6 19.3 28.9



#48

2-Nitroaniline

Concen: 4.379 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.223 min

Lab File: BF133656.D

Acq: 08 Jun 2023 23:58

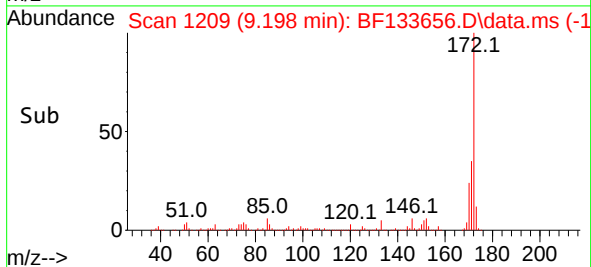
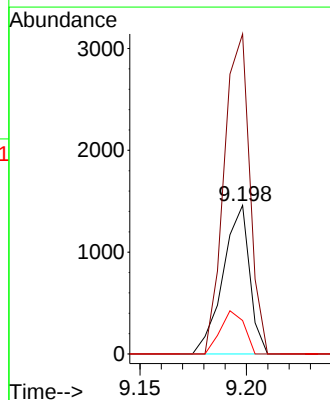
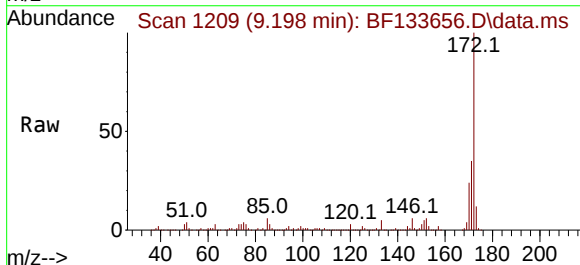
Tgt Ion: 65 Resp: 1266

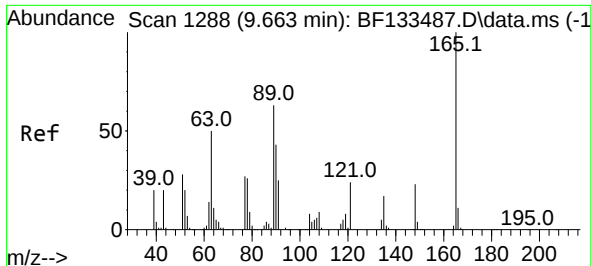
Ion Ratio Lower Upper

65 100

92 215.3 50.8 76.2#

138 22.5 82.6 124.0#





#51

2,6-Dinitrotoluene

Concen: 12.570 ng

RT: 9.875 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF133656.D

Acq: 08 Jun 2023 23:58

Instrument :

BNA_F

ClientSampleId :

WC32

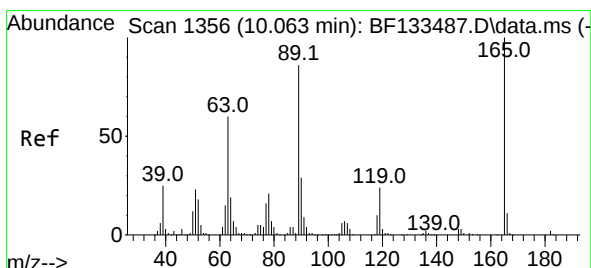
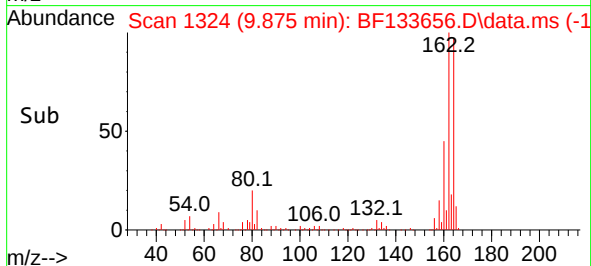
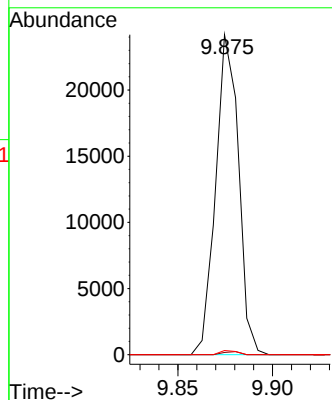
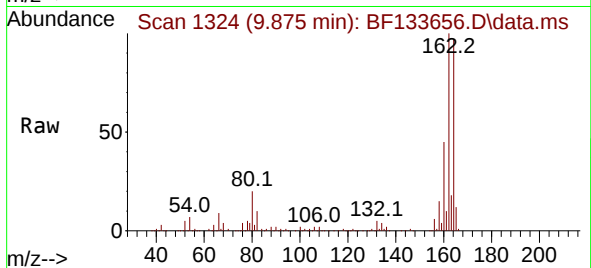
Tgt Ion:165 Resp: 20314

Ion Ratio Lower Upper

165 100

63 0.7 57.0 85.4#

89 1.3 50.8 76.2#



#57

2,4-Dinitrotoluene

Concen: 11.735 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.194 min

Lab File: BF133656.D

Acq: 08 Jun 2023 23:58

Tgt Ion:165 Resp: 20314

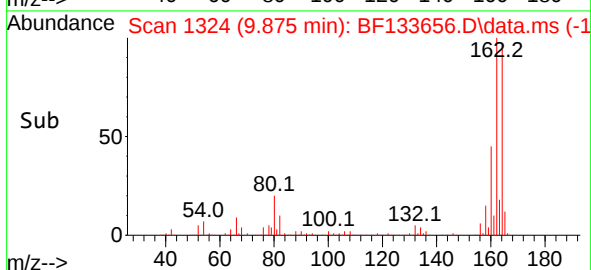
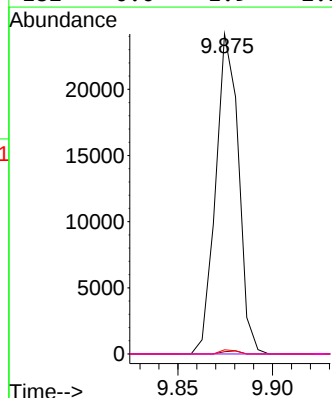
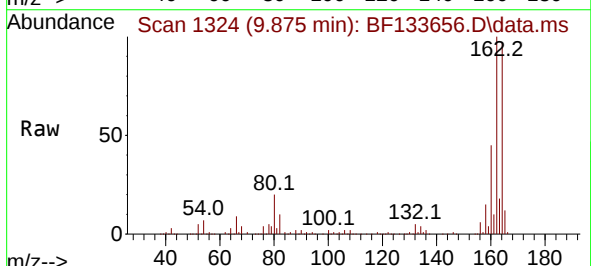
Ion Ratio Lower Upper

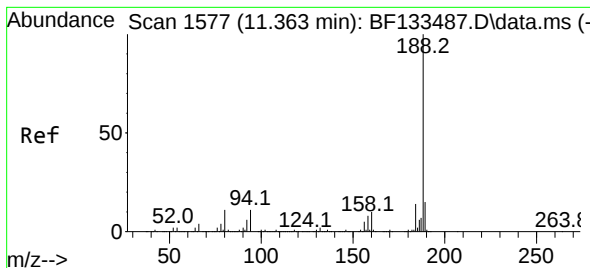
165 100

63 0.7 48.1 72.1#

89 1.3 68.4 102.6#

182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133656.D

Acq: 08 Jun 2023 23:58

Instrument :

BNA_F

ClientSampleId :

WC32

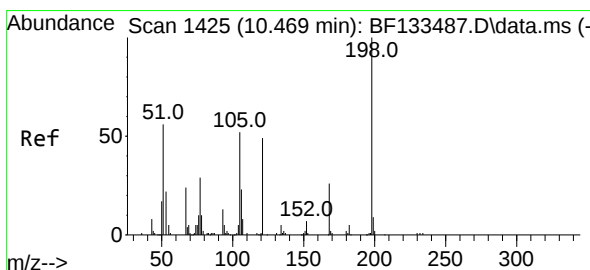
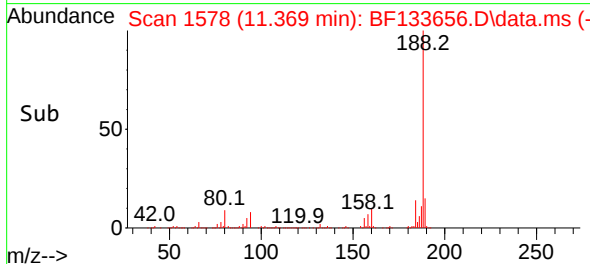
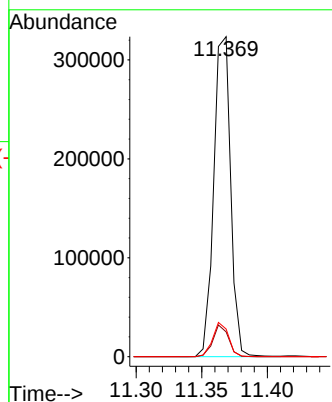
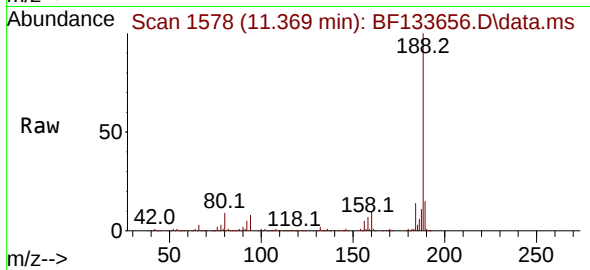
Tgt Ion:188 Resp: 290487

Ion Ratio Lower Upper

188 100

94 7.8 8.6 12.8#

80 8.6 9.2 13.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.906 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.188 min

Lab File: BF133656.D

Acq: 08 Jun 2023 23:58

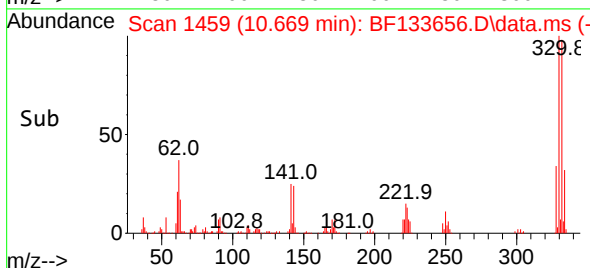
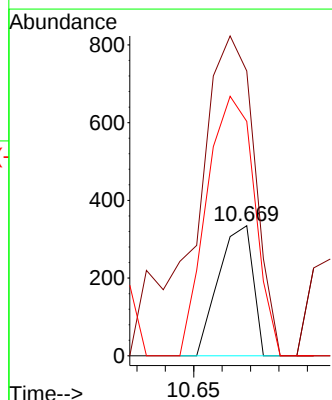
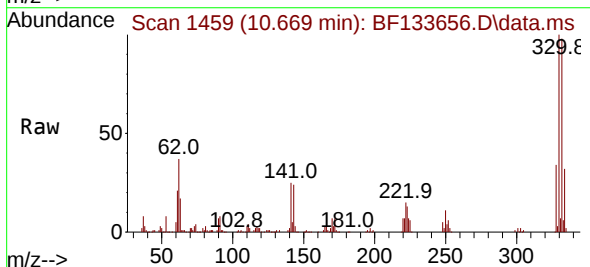
Tgt Ion:198 Resp: 282

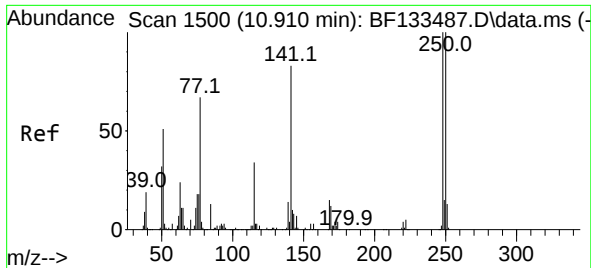
Ion Ratio Lower Upper

198 100

51 218.8 53.6 93.6#

105 180.0 35.9 75.9#

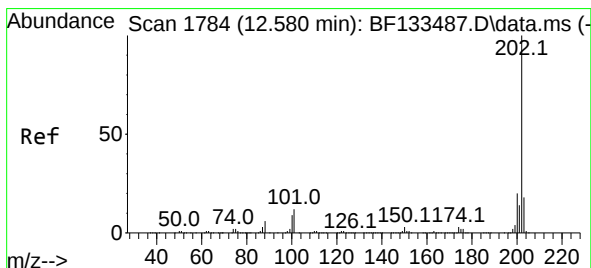
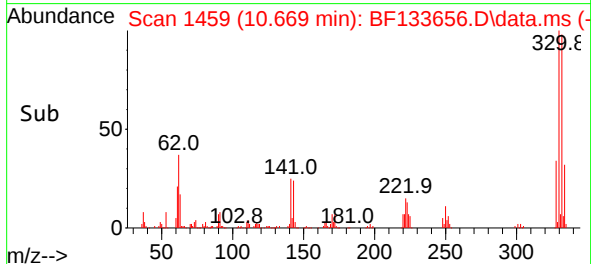
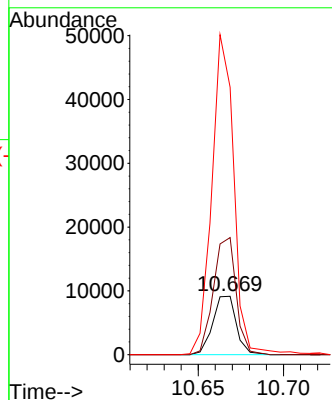
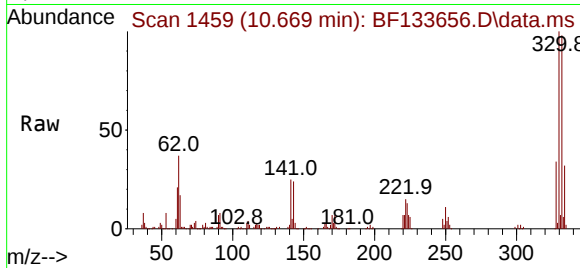




#67
4-Bromophenyl-phenylether
Concen: 2.852 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.241 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

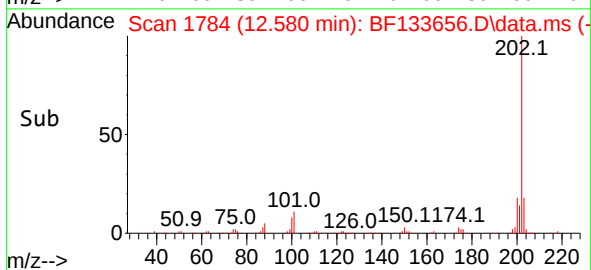
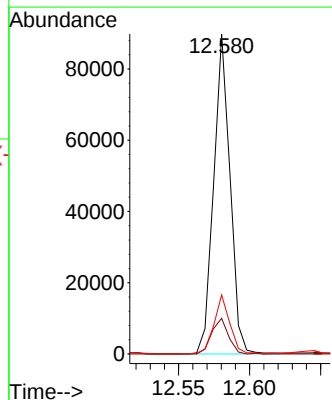
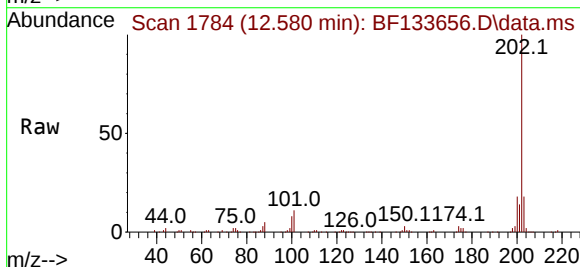
Instrument :
BNA_F
ClientSampleId :
WC32

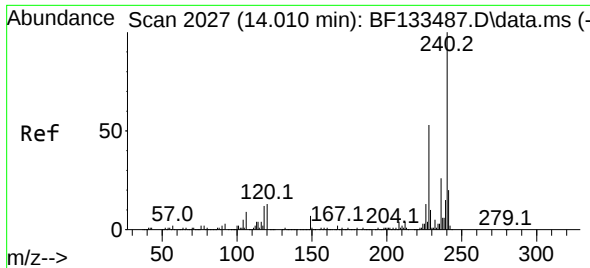
Tgt Ion:248 Resp: 8799
Ion Ratio Lower Upper
248 100
250 200.6 79.7 119.5#
141 458.2 66.6 100.0#



#75
Fluoranthene
Concen: 4.439 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

Tgt Ion:202 Resp: 72135
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.2
203 18.5 0.0 37.8

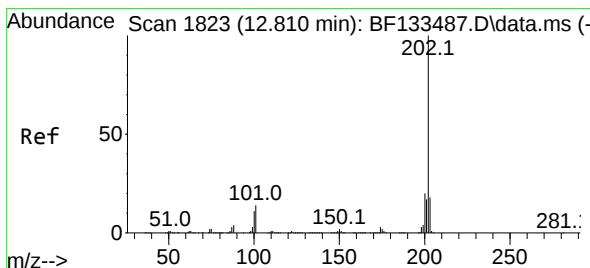
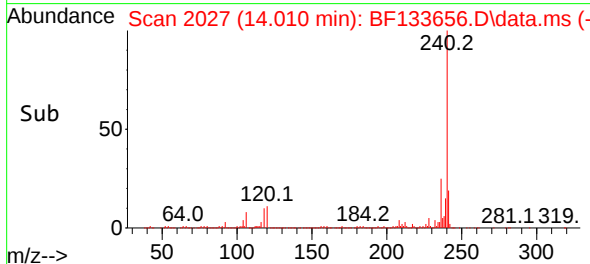
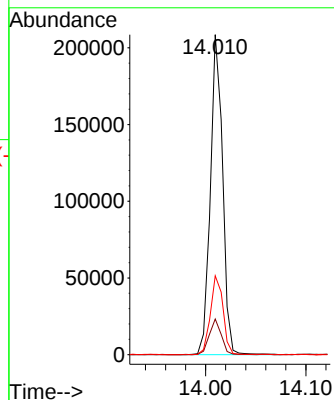
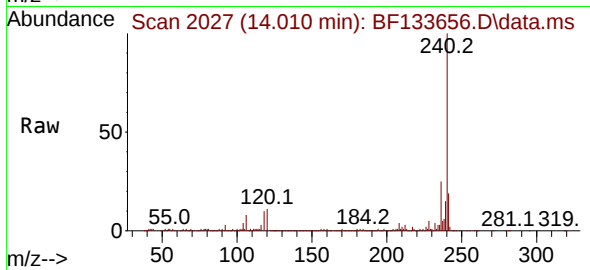




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

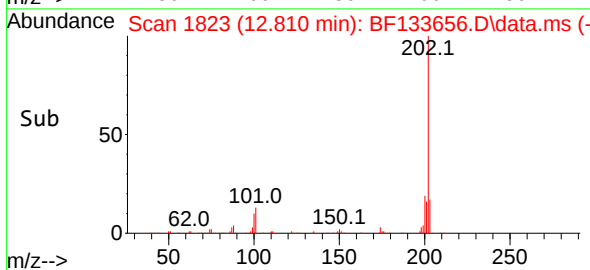
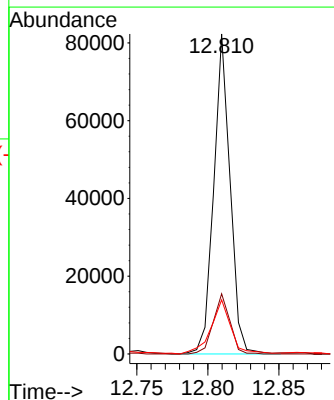
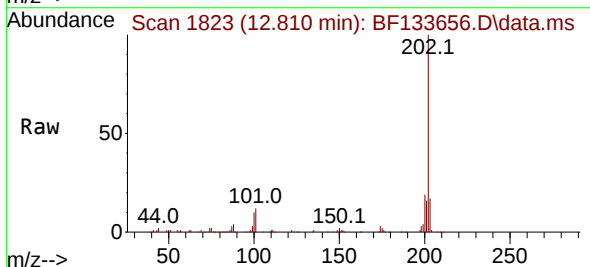
Instrument :
BNA_F
ClientSampleId :
WC32

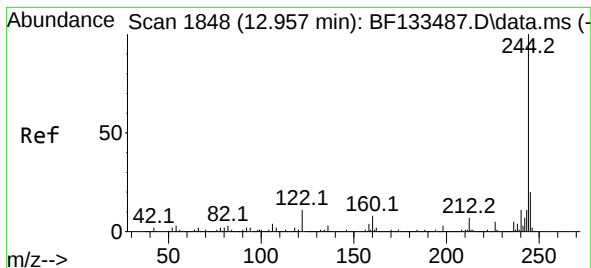
Tgt Ion:240 Resp: 177375
Ion Ratio Lower Upper
240 100
120 11.2 10.3 15.5
236 24.6 20.5 30.7



#78
Pyrene
Concen: 4.387 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

Tgt Ion:202 Resp: 66217
Ion Ratio Lower Upper
202 100
200 18.8 16.3 24.5
203 16.9 14.3 21.5





#79

Terphenyl-d14

Concen: 68.134 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF133656.D

Acq: 08 Jun 2023 23:58

Instrument :

BNA_F

ClientSampleId :

WC32

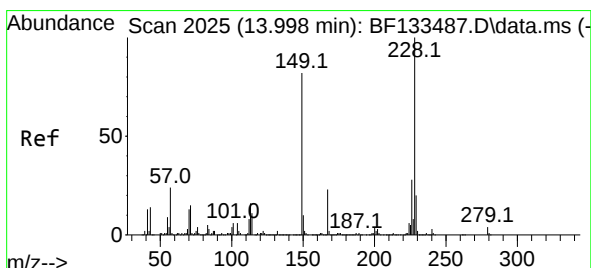
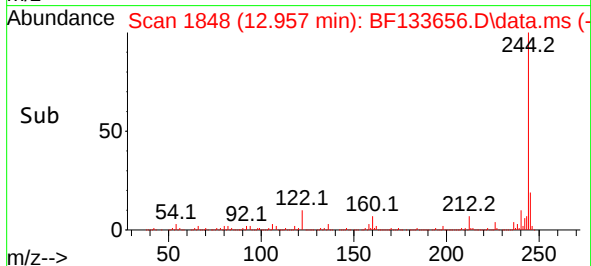
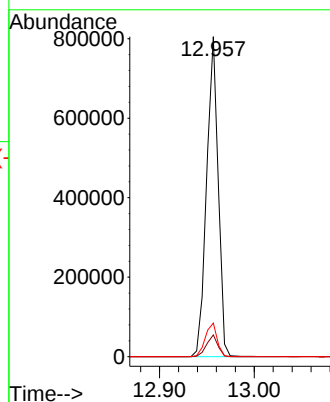
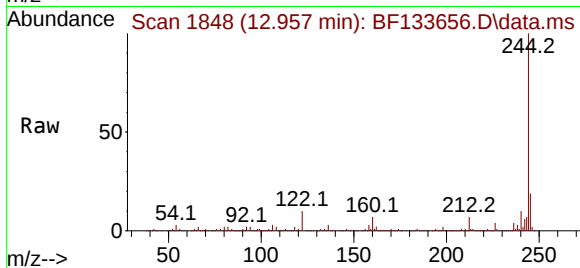
Tgt Ion:244 Resp: 679720

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 10.5 8.5 12.7



#81

Benzo(a)anthracene

Concen: 2.794 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF133656.D

Acq: 08 Jun 2023 23:58

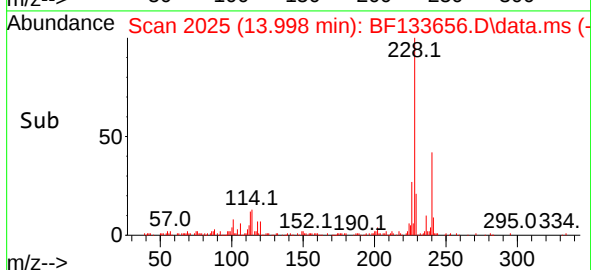
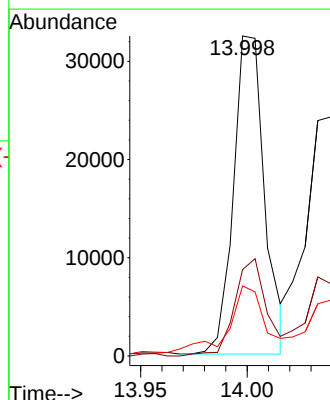
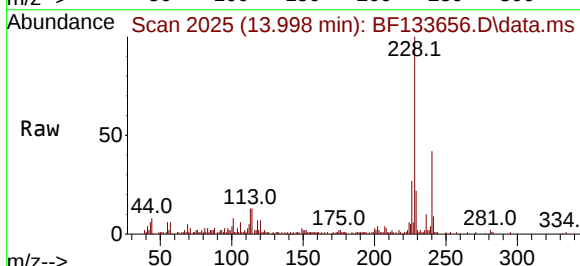
Tgt Ion:228 Resp: 33011

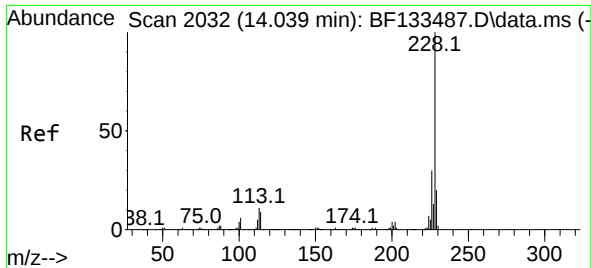
Ion Ratio Lower Upper

228 100

226 27.0 22.3 33.5

229 21.9 16.1 24.1

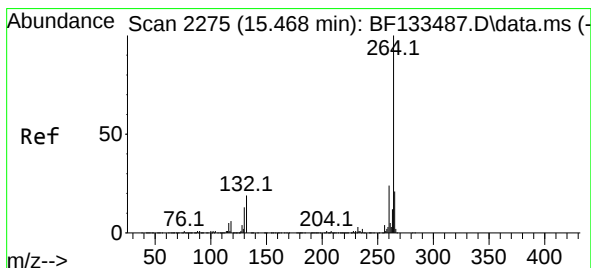
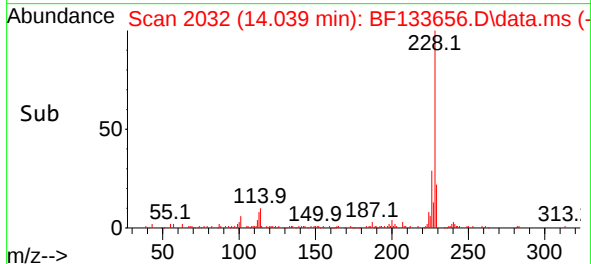
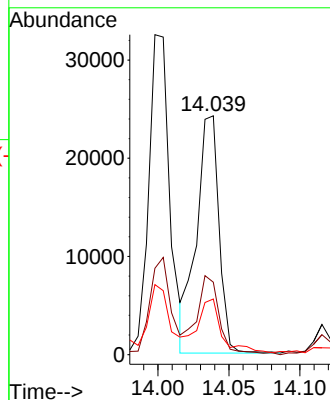
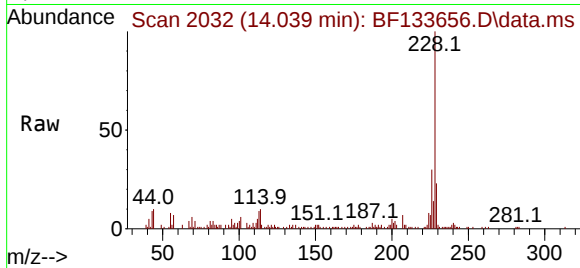




#83
Chrysene
Concen: 2.251 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

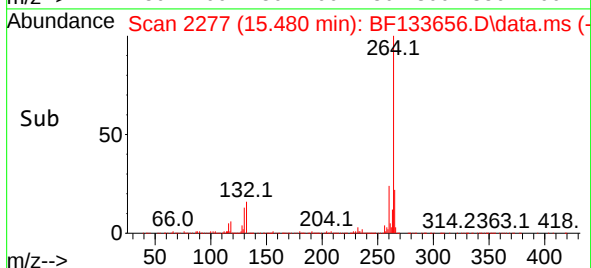
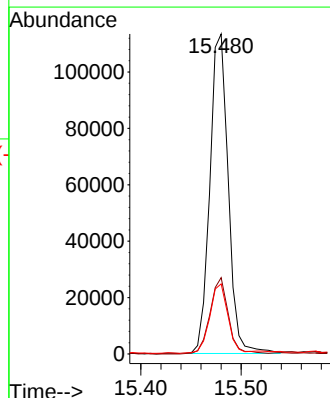
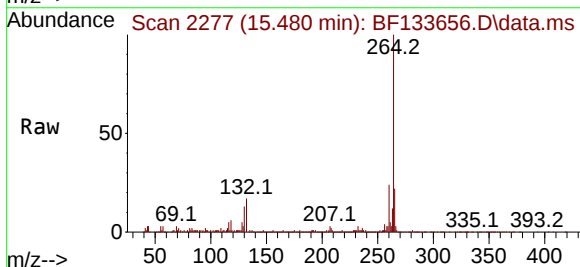
Instrument :
BNA_F
ClientSampleId :
WC32

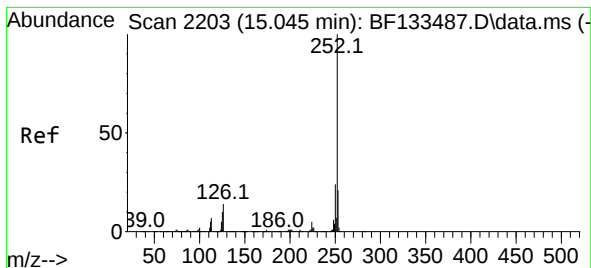
Tgt Ion:228	Resp:	26847
Ion Ratio	Lower	Upper
228	100	
226	30.4	24.1 36.1
229	23.3	15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF133656.D
Acq: 08 Jun 2023 23:58

Tgt Ion:264	Resp:	145040
Ion Ratio	Lower	Upper
264	100	
260	23.9	19.0 28.4
265	21.9	16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 4.729 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF133656.D

Acq: 08 Jun 2023 23:58

Instrument :

BNA_F

ClientSampleId :

WC32

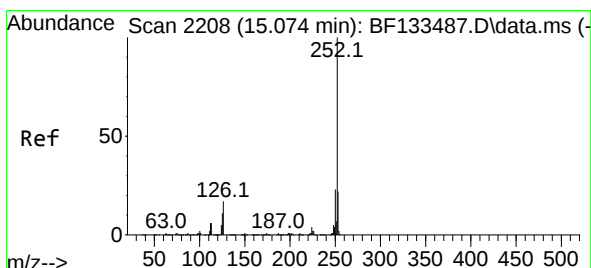
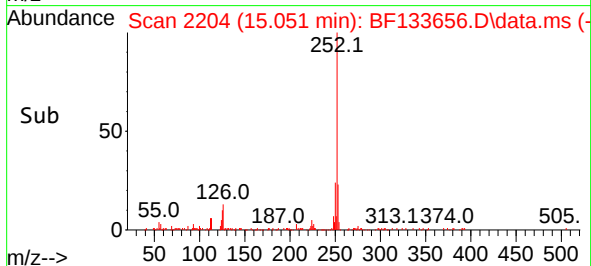
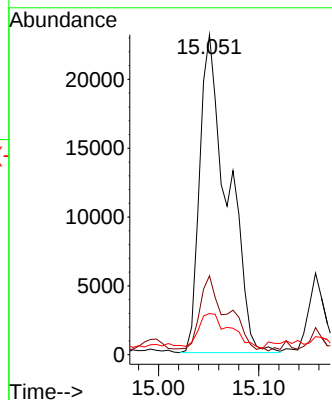
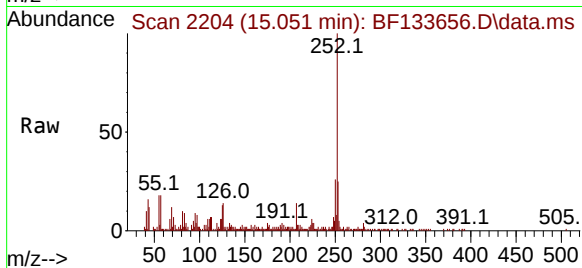
Tgt Ion:252 Resp: 44663

Ion Ratio Lower Upper

252 100

253 24.7 17.2 25.8

125 12.8 8.1 12.1#



#89

Benzo(k)fluoranthene

Concen: 4.850 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.035 min

Lab File: BF133656.D

Acq: 08 Jun 2023 23:58

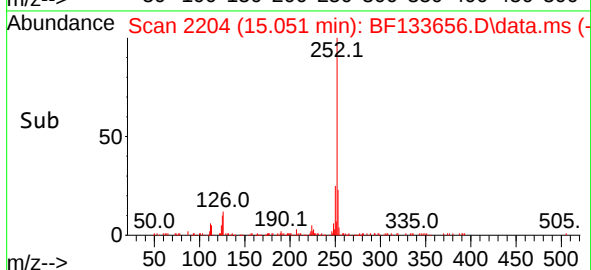
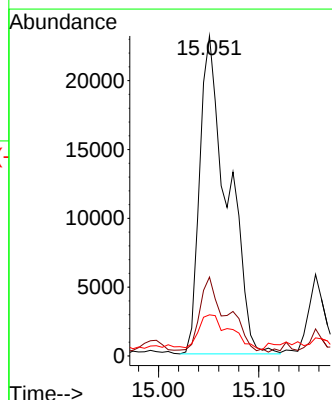
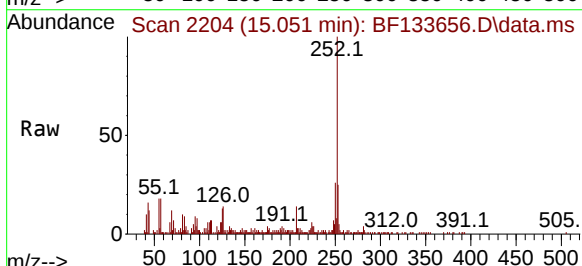
Tgt Ion:252 Resp: 44663

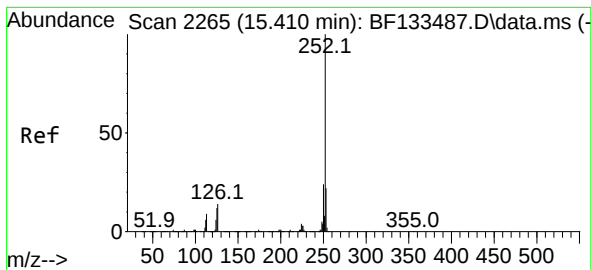
Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.2

125 12.8 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 2.624 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133656.D

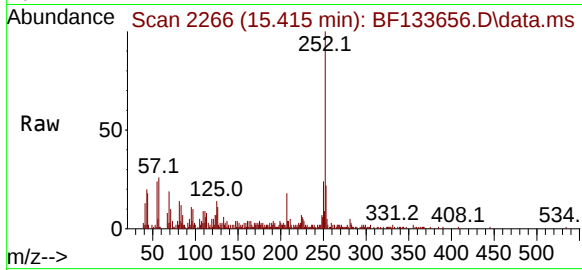
Acq: 08 Jun 2023 23:58

Instrument :

BNA_F

ClientSampleId :

WC32



Tgt Ion:252 Resp: 22551

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 13.8 9.4 14.0

