

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
 Data File : BF133775.D
 Acq On : 15 Jun 2023 15:10
 Operator : CG\JU
 Sample : 03160-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PNNL-B-0609-1

Quant Time: Jun 15 15:40:55 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)

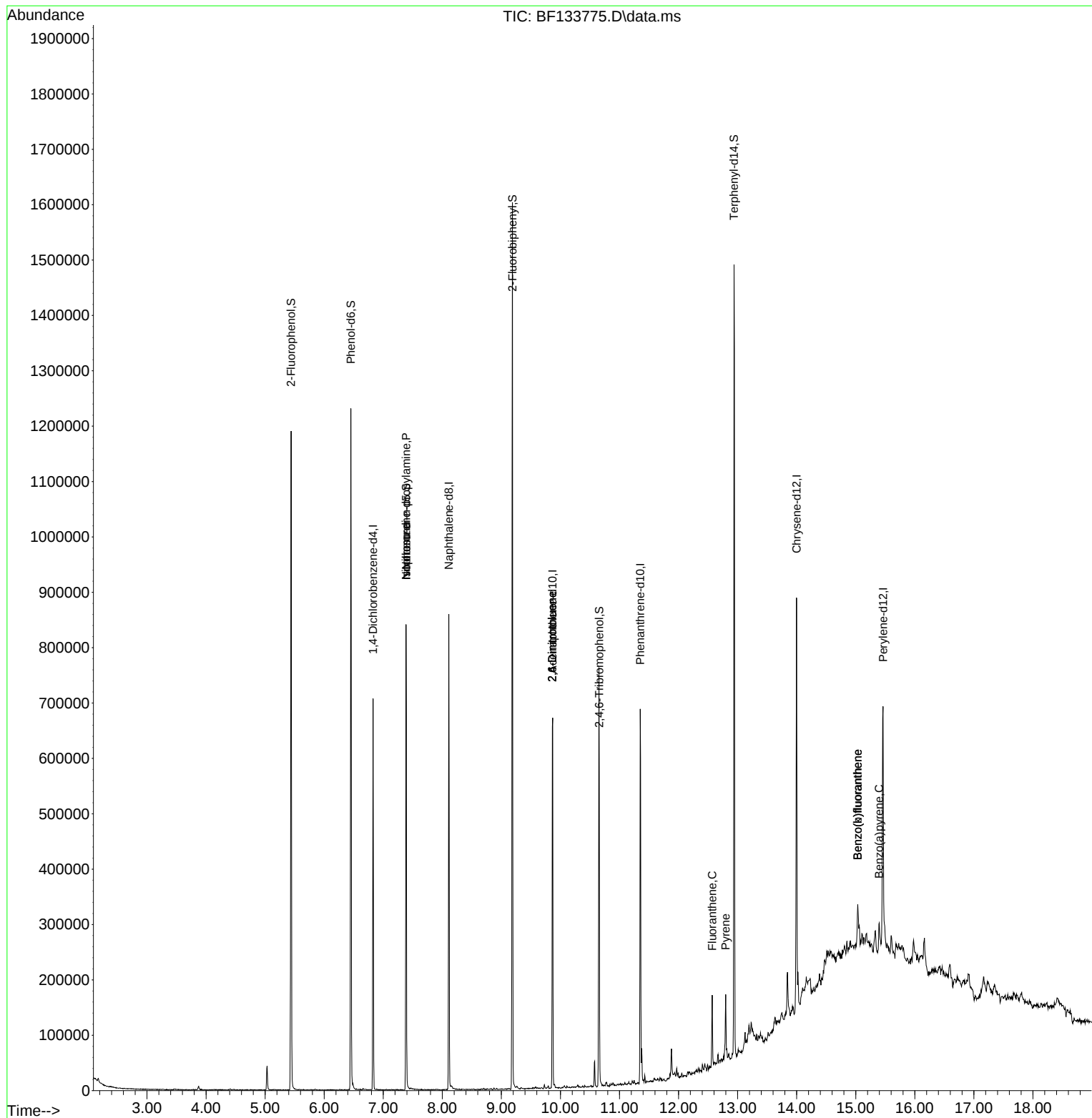
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	89274	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	323589	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	136742	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	244970	20.000	ng	0.00
76) Chrysene-d12	13.998	240	225099	20.000	ng	0.00
86) Perylene-d12	15.462	264	202703	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	283317	55.249	ng	0.00
7) Phenol-d6	6.451	99	336814	50.459	ng	-0.01
23) Nitrobenzene-d5	7.387	82	230374	38.777	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	83273	48.109	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	431132	44.819	ng	0.00
79) Terphenyl-d14	12.939	244	478826	32.915	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.387	70	31283	7.366	ng	# 79
25) Isophorone	7.387	82	230370	21.121	ng	# 65
51) 2,6-Dinitrotoluene	9.863	165	17549	8.330	ng	# 28
57) 2,4-Dinitrotoluene	9.863	165	17549	6.550	ng	# 20
75) Fluoranthene	12.569	202	47692	3.614	ng	98
78) Pyrene	12.798	202	48466	2.311	ng	98
88) Benzo(b)fluoranthene	15.033	252	44967	3.652	ng	# 84
89) Benzo(k)fluoranthene	15.033	252	44967	3.749	ng	# 84
90) Benzo(a)pyrene	15.398	252	23091	2.021	ng	# 88

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

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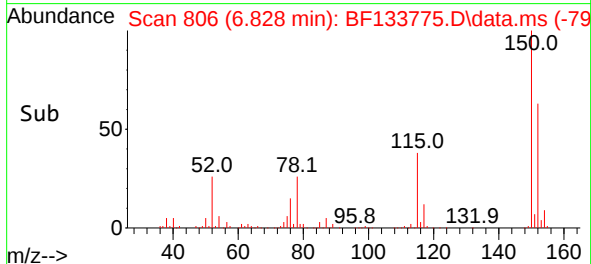
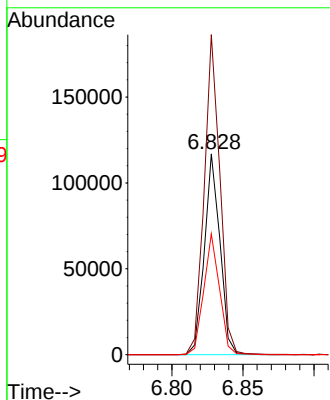
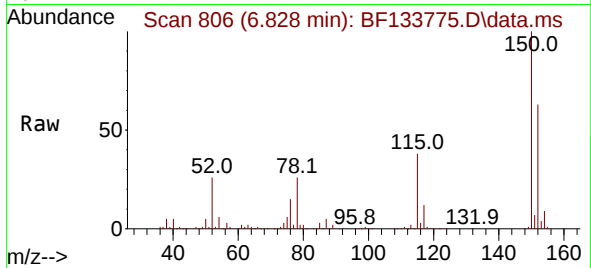




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

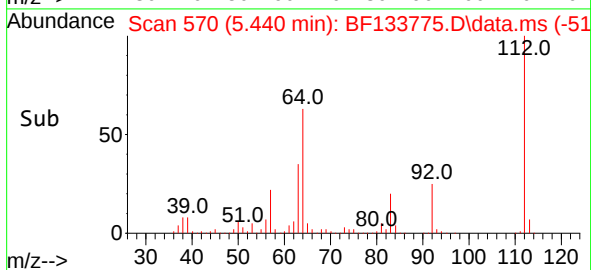
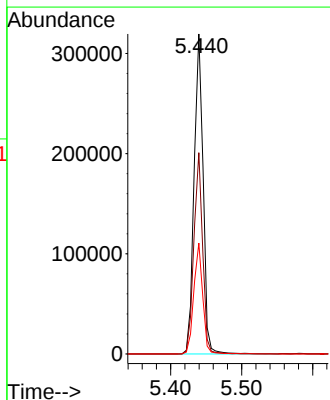
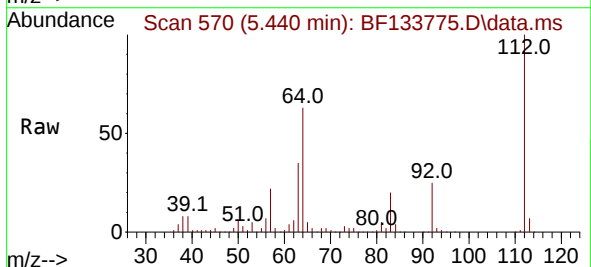
Instrument :
BNA_F
ClientSampleId :
PNNL-B-0609-1

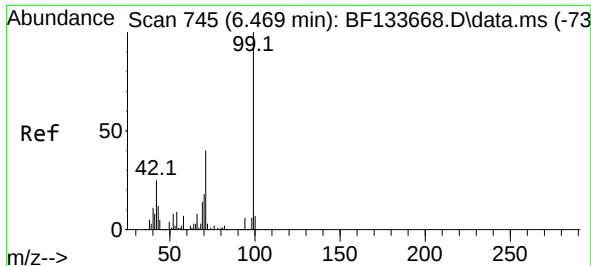
Tgt Ion:152 Resp: 89274
Ion Ratio Lower Upper
152 100
150 159.4 124.3 186.5
115 60.2 48.5 72.7



#5
2-Fluorophenol
Concen: 55.249 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

Tgt Ion:112 Resp: 283317
Ion Ratio Lower Upper
112 100
64 62.9 49.0 73.4
63 34.6 26.8 40.2





#7

Phenol-d6

Concen: 50.459 ng

RT: 6.451 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF133775.D

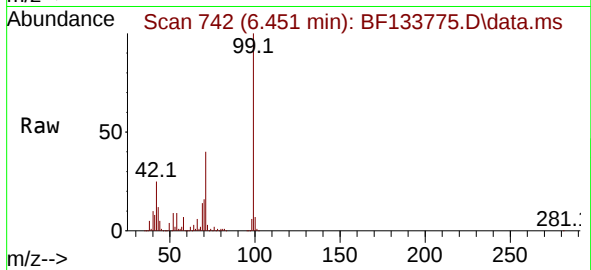
Acq: 15 Jun 2023 15:10

Instrument :

BNA_F

ClientSampleId :

PNNL-B-0609-1



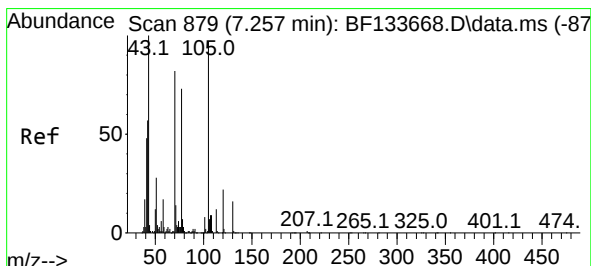
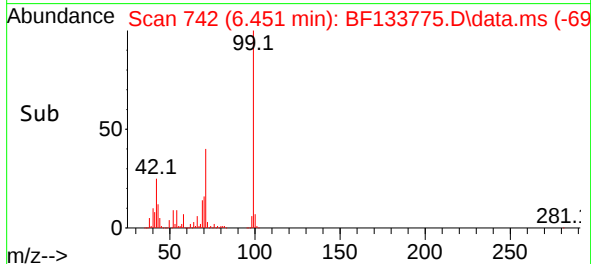
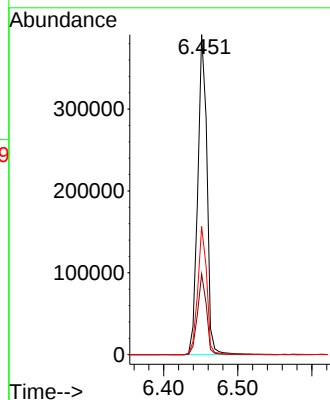
Tgt Ion: 99 Resp: 336814

Ion Ratio Lower Upper

99 100

42 25.2 19.9 29.9

71 40.1 32.2 48.4



#19

n-Nitroso-di-n-propylamine

Concen: 7.366 ng

RT: 7.387 min Scan# 901

Delta R.T. 0.141 min

Lab File: BF133775.D

Acq: 15 Jun 2023 15:10

Tgt Ion: 70 Resp: 31283

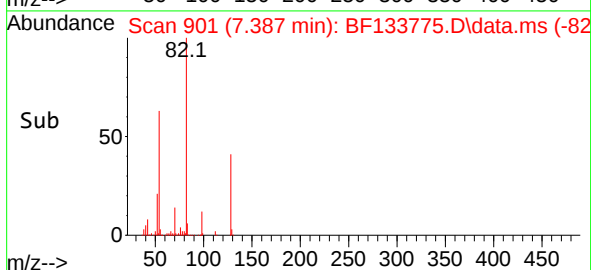
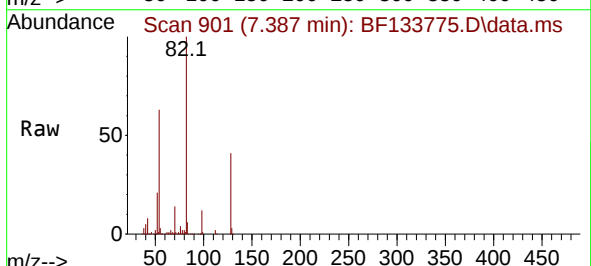
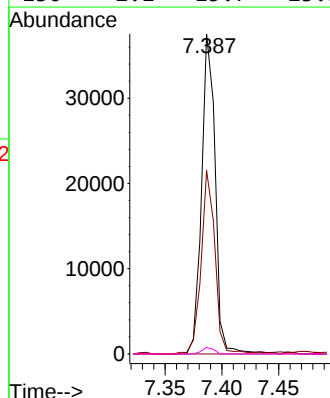
Ion Ratio Lower Upper

70 100

42 57.4 55.8 83.8

101 0.0 8.1 12.1#

130 2.1 15.7 23.5#

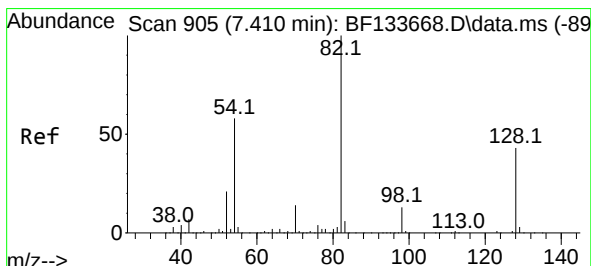
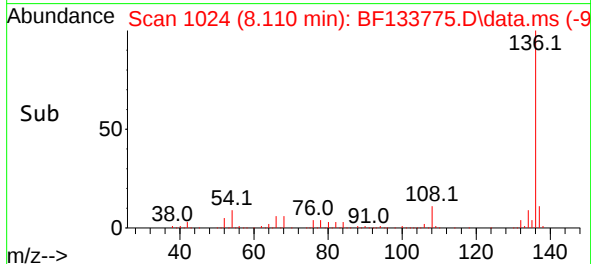
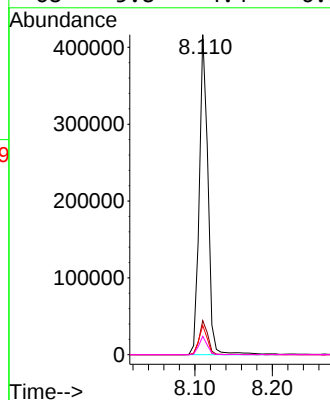
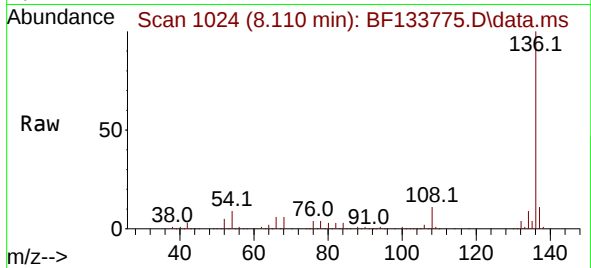




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

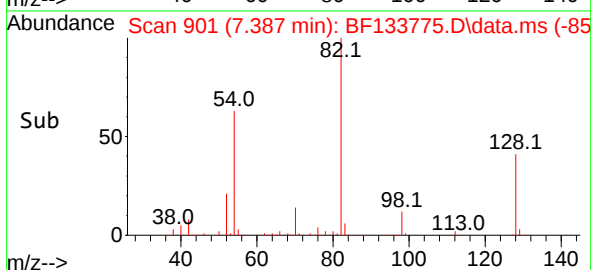
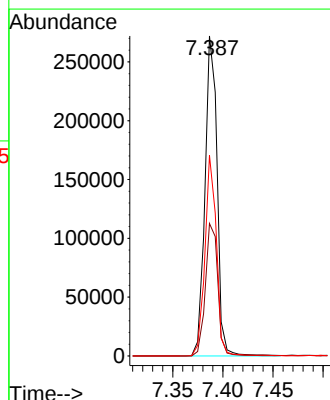
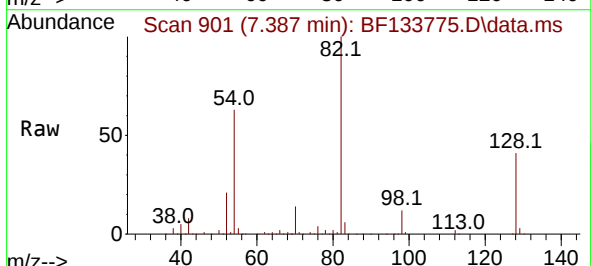
Instrument :
BNA_F
ClientSampleId :
PNNL-B-0609-1

Tgt Ion:136 Resp: 323589
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.1 7.4 11.0
68 5.8 4.4 6.6



#23
Nitrobenzene-d5
Concen: 38.777 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

Tgt Ion: 82 Resp: 230374
Ion Ratio Lower Upper
82 100
128 41.4 34.2 51.2
54 62.7 46.5 69.7

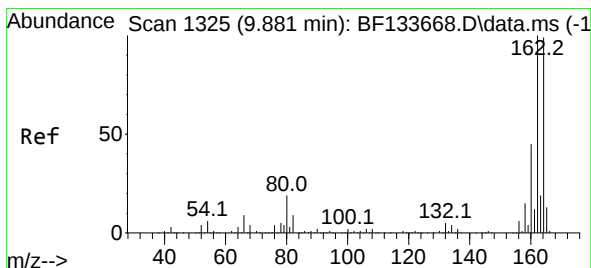
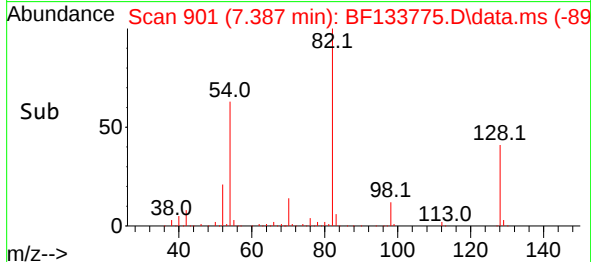
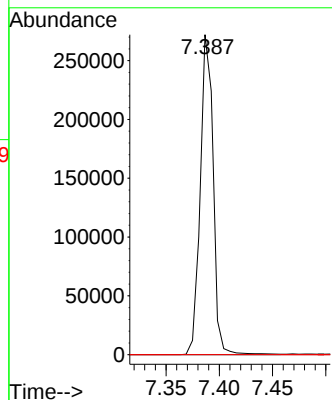
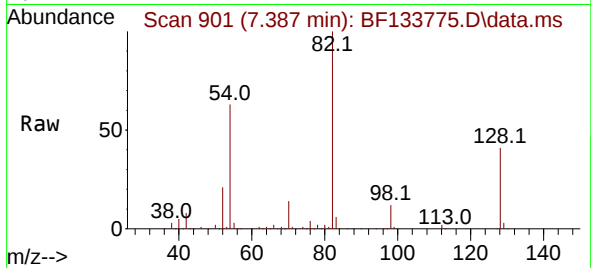




#25
Isophorone
Concen: 21.121 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.265 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

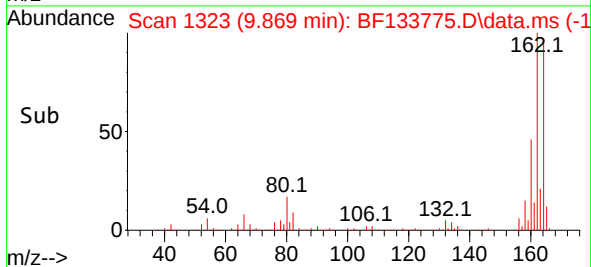
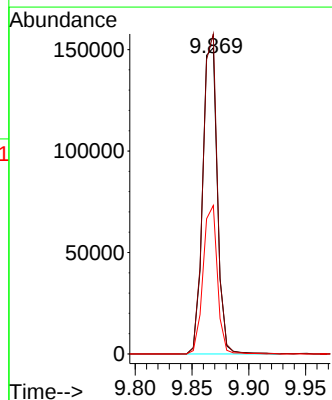
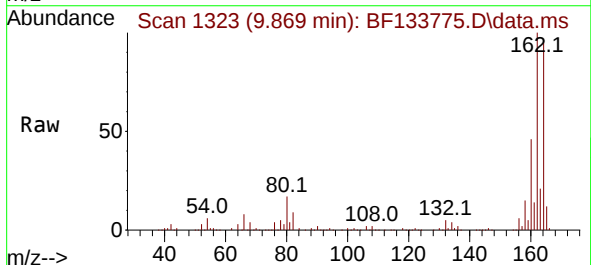
Instrument :
BNA_F
ClientSampleId :
PNNL-B-0609-1

Tgt Ion: 82 Resp: 230370
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

Tgt Ion: 164 Resp: 136742
Ion Ratio Lower Upper
164 100
162 104.5 80.8 121.2
160 48.5 36.7 55.1

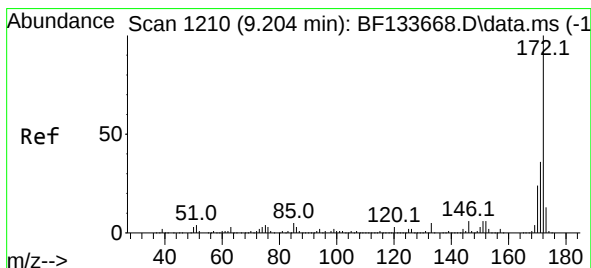
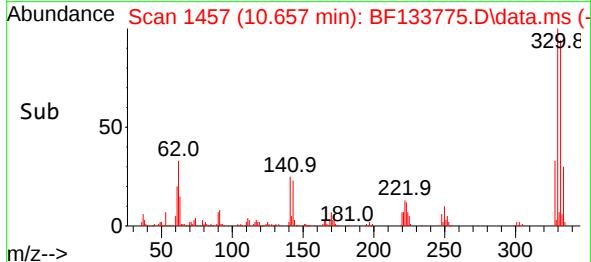
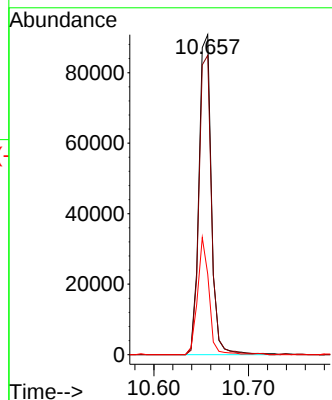
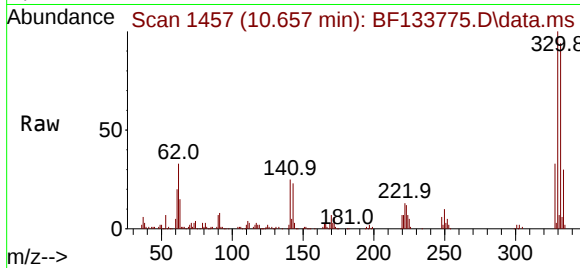




#42
2,4,6-Tribromophenol
Concen: 48.109 ng
RT: 10.657 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

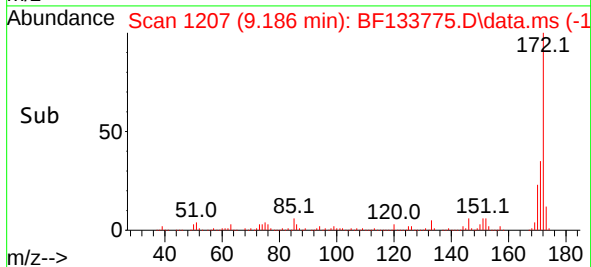
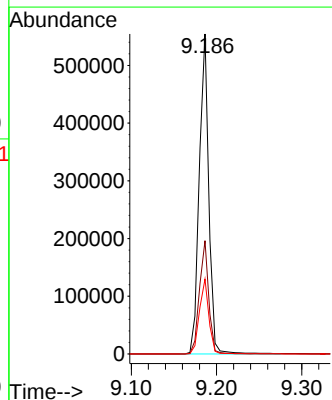
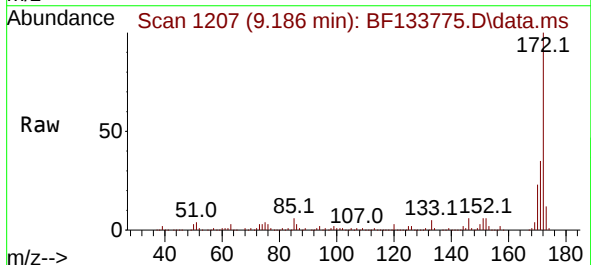
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ClientSampleId :
PNNL-B-0609-1

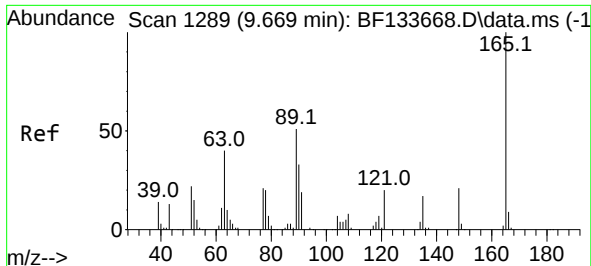
Tgt Ion: 330 Resp: 83273
Ion Ratio Lower Upper
330 100
332 94.4 77.2 115.8
141 33.5 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 44.819 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

Tgt Ion: 172 Resp: 431132
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.4 19.1 28.7

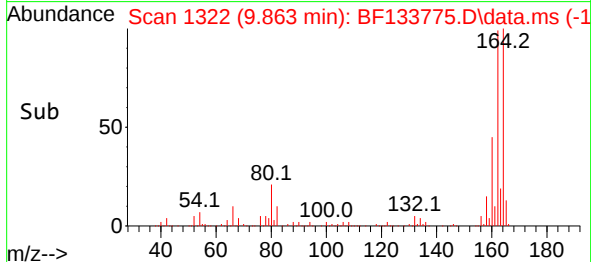
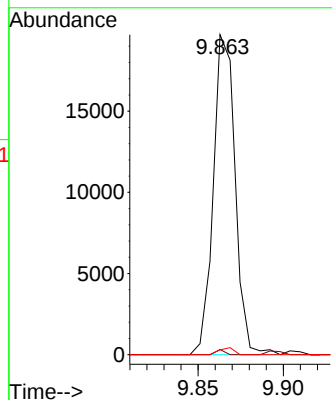
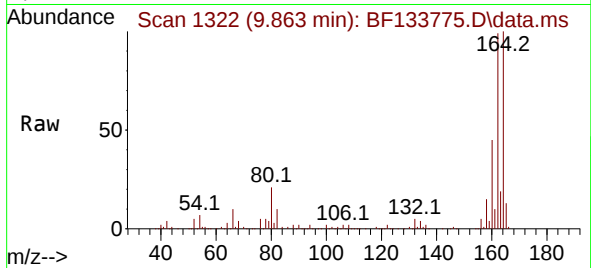




#51
2,6-Dinitrotoluene
Concen: 8.330 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

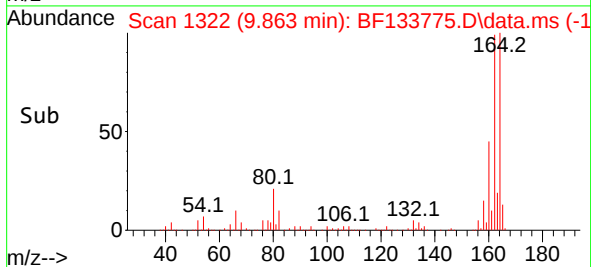
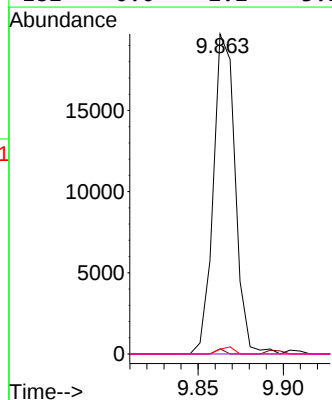
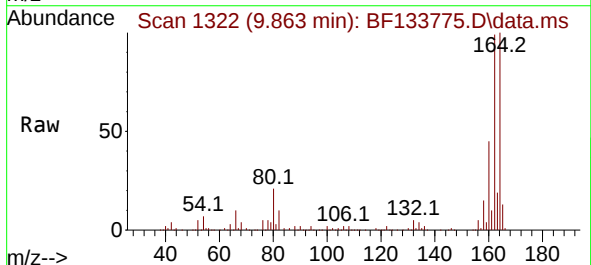
Instrument :
BNA_F
ClientSampleId :
PNNL-B-0609-1

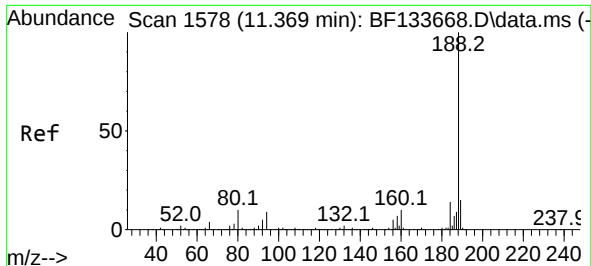
Tgt Ion:165 Resp: 17549
Ion Ratio Lower Upper
165 100
63 1.6 42.1 63.1#
89 1.5 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.550 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.200 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

Tgt Ion:165 Resp: 17549
Ion Ratio Lower Upper
165 100
63 1.6 43.0 64.6#
89 1.5 62.6 93.8#
182 0.0 2.2 3.2#

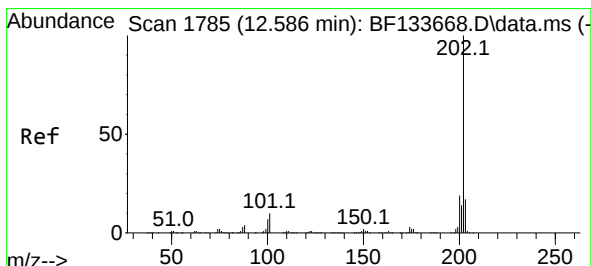
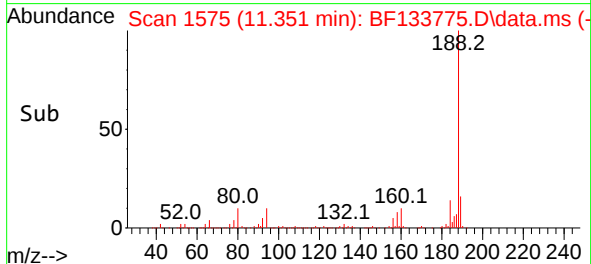
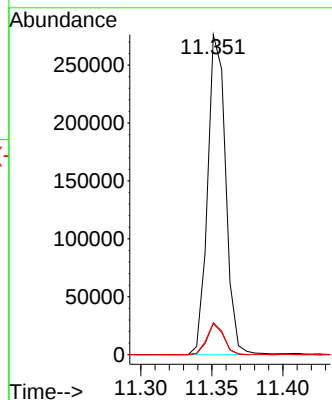
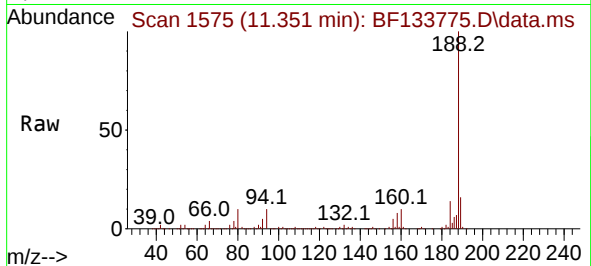




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

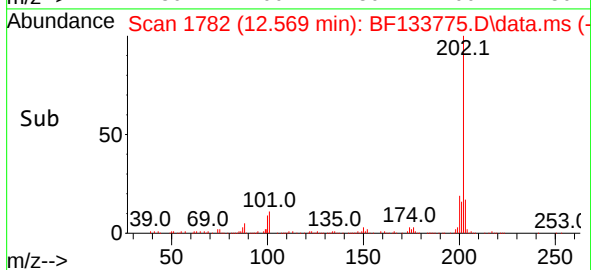
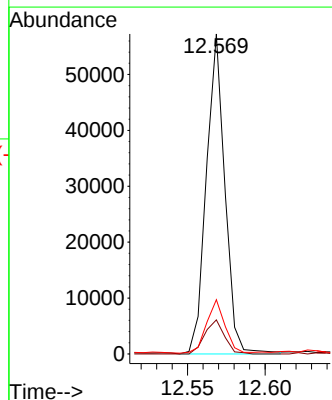
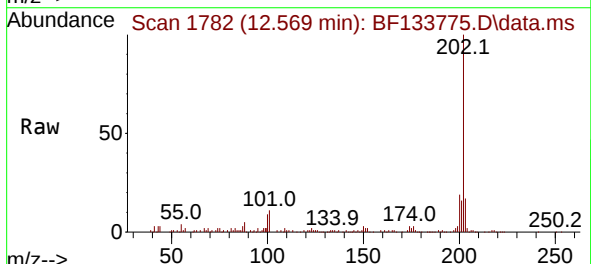
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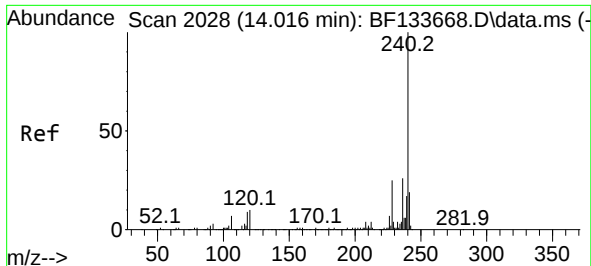
Tgt Ion:188 Resp: 244970
Ion Ratio Lower Upper
188 100
94 9.8 6.8 10.2
80 10.0 7.8 11.6



#75
Fluoranthene
Concen: 3.614 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

Tgt Ion:202 Resp: 47692
Ion Ratio Lower Upper
202 100
101 10.7 0.0 29.6
203 17.0 0.0 37.4

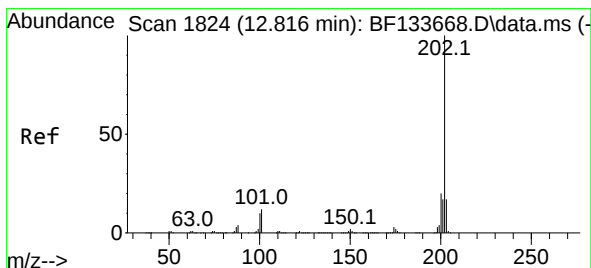
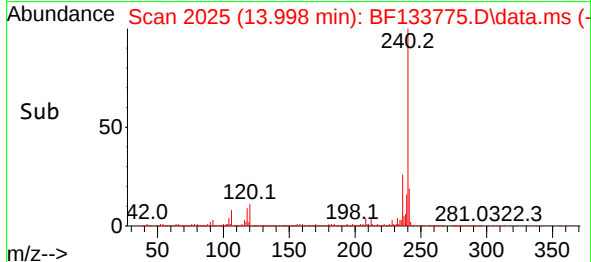
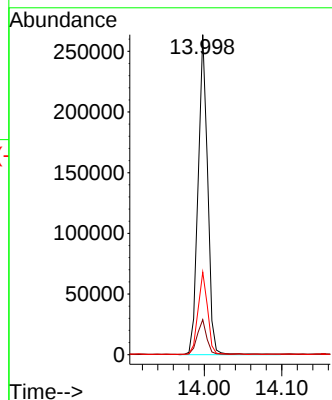
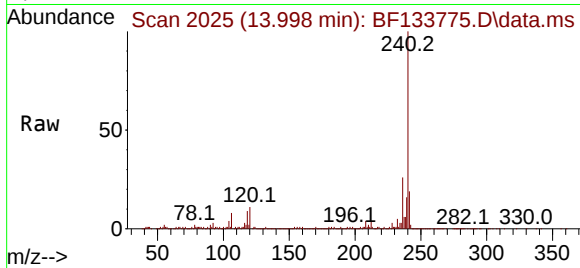




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

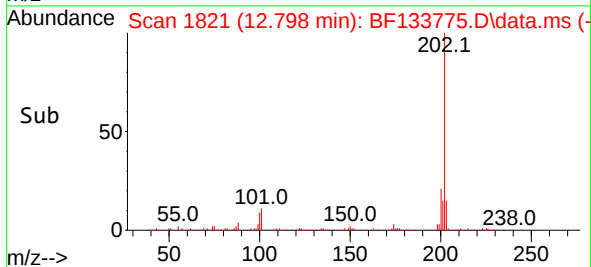
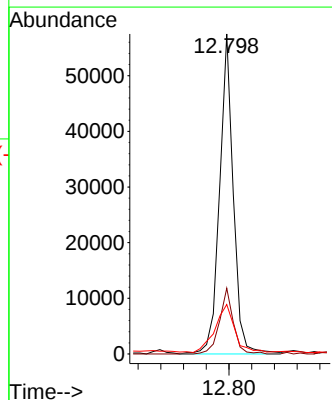
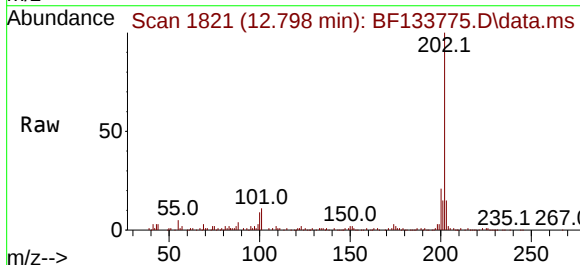
Instrument :
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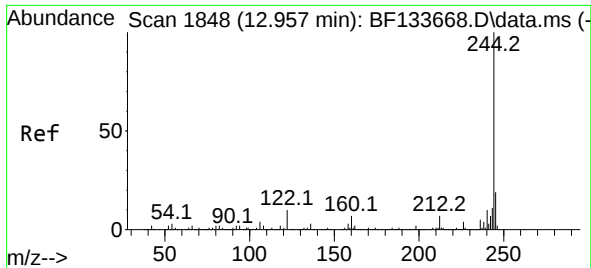
Tgt Ion:240 Resp: 225099
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 25.8 20.5 30.7



#78
Pyrene
Concen: 2.311 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF133775.D
Acq: 15 Jun 2023 15:10

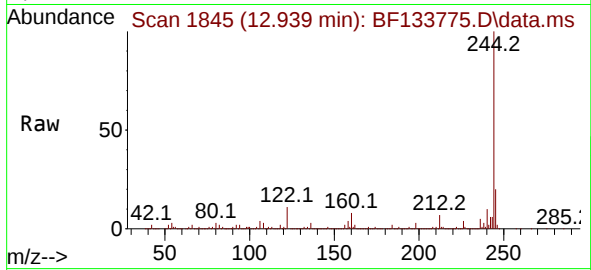
Tgt Ion:202 Resp: 48466
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.2
203 15.5 13.9 20.9



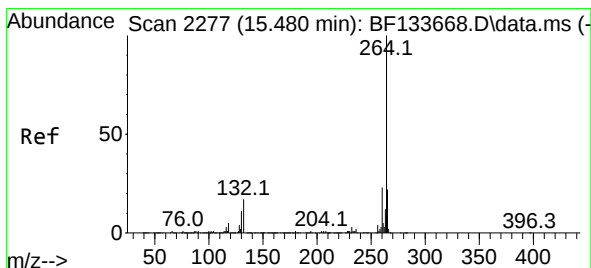
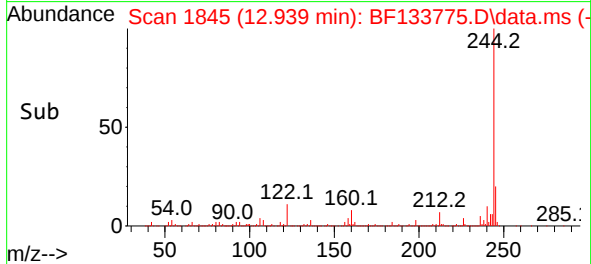
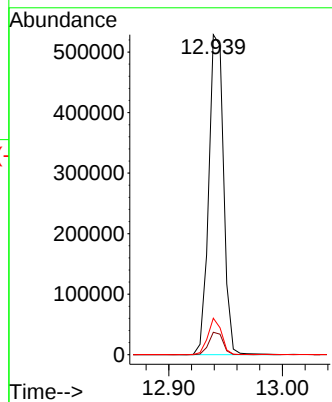


#79
 Terphenyl-d14
 Concen: 32.915 ng
 RT: 12.939 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133775.D
 Acq: 15 Jun 2023 15:10

Instrument :
 BNA_F
 ClientSampleId :
 PNNL-B-0609-1

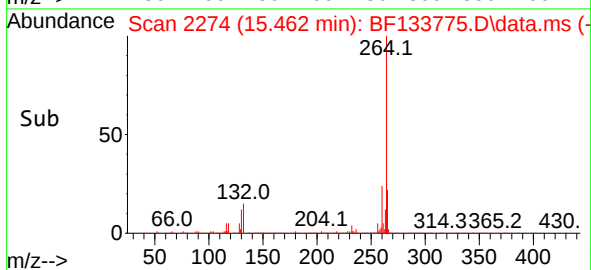
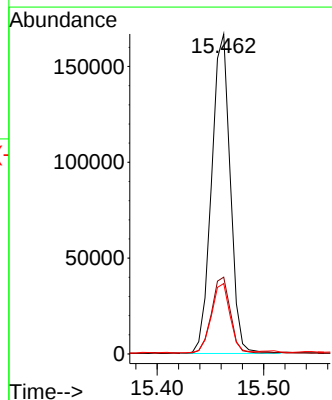
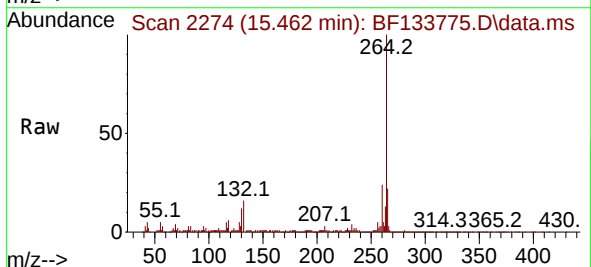


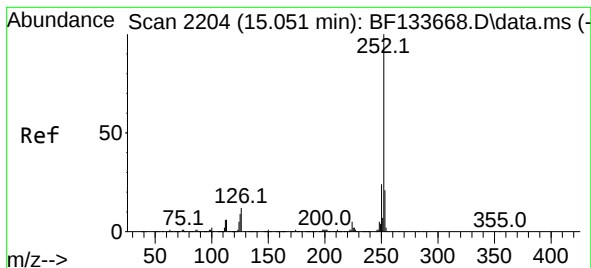
Tgt Ion:244 Resp: 478826
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 11.4 8.1 12.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.462 min Scan# 2274
 Delta R.T. -0.000 min
 Lab File: BF133775.D
 Acq: 15 Jun 2023 15:10

Tgt Ion:264 Resp: 202703
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.2 27.2
 265 22.0 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 3.652 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF133775.D

Acq: 15 Jun 2023 15:10

Instrument :

BNA_F

ClientSampleId :

PNNL-B-0609-1

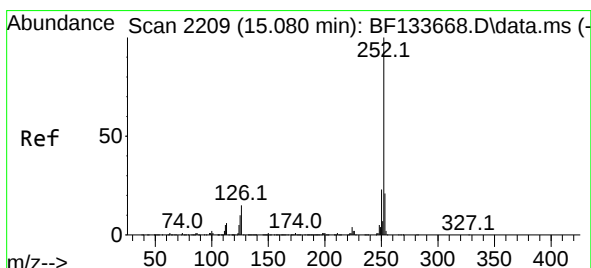
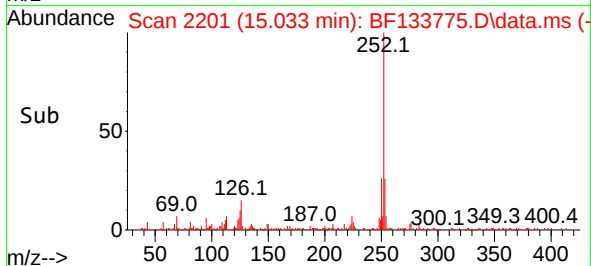
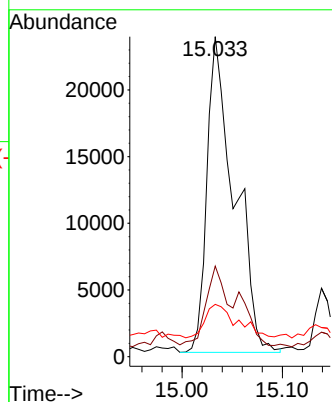
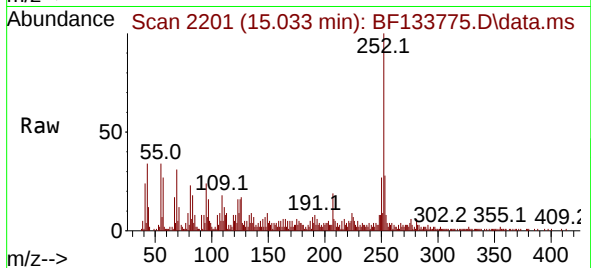
Tgt Ion:252 Resp: 44967

Ion Ratio Lower Upper

252 100

253 28.3 17.0 25.6#

125 16.3 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 3.749 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.035 min

Lab File: BF133775.D

Acq: 15 Jun 2023 15:10

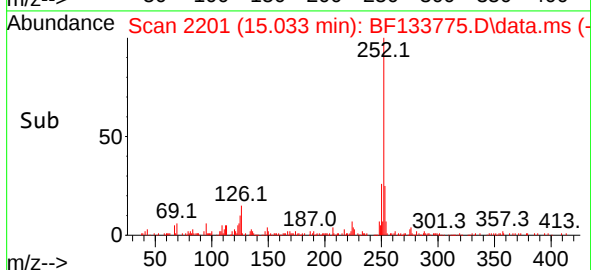
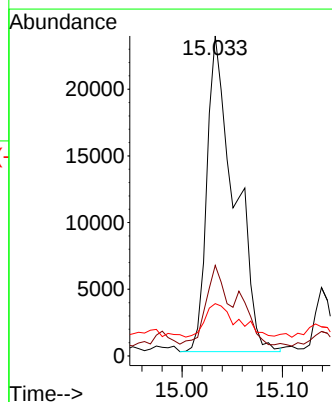
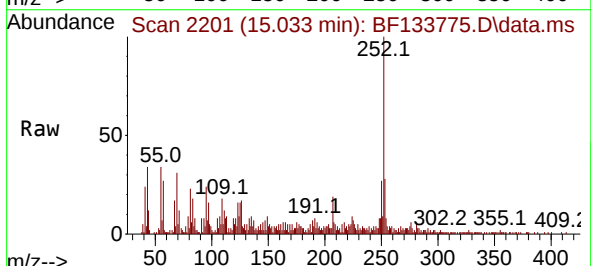
Tgt Ion:252 Resp: 44967

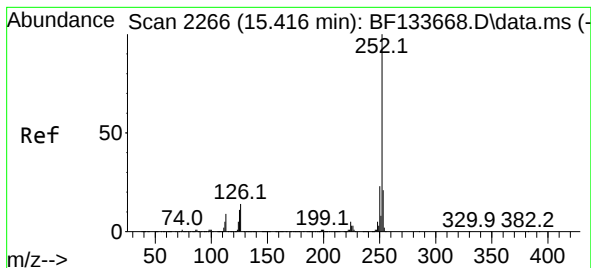
Ion Ratio Lower Upper

252 100

253 28.3 17.0 25.4#

125 16.3 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 2.021 ng

RT: 15.398 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133775.D

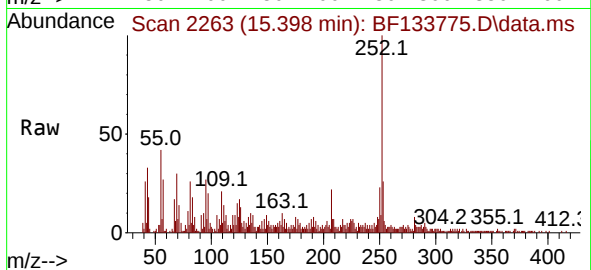
Acq: 15 Jun 2023 15:10

Instrument :

BNA_F

ClientSampleId :

PNNL-B-0609-1



Tgt Ion:252 Resp: 23091

Ion Ratio Lower Upper

252 100

253 26.1 17.1 25.7#

125 17.2 8.6 13.0#

