

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
 Data File : BF133800.D
 Acq On : 16 Jun 2023 04:44
 Operator : CG\JU
 Sample : 03229-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-402-COMP-10

Quant Time: Jun 16 05:34:29 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)

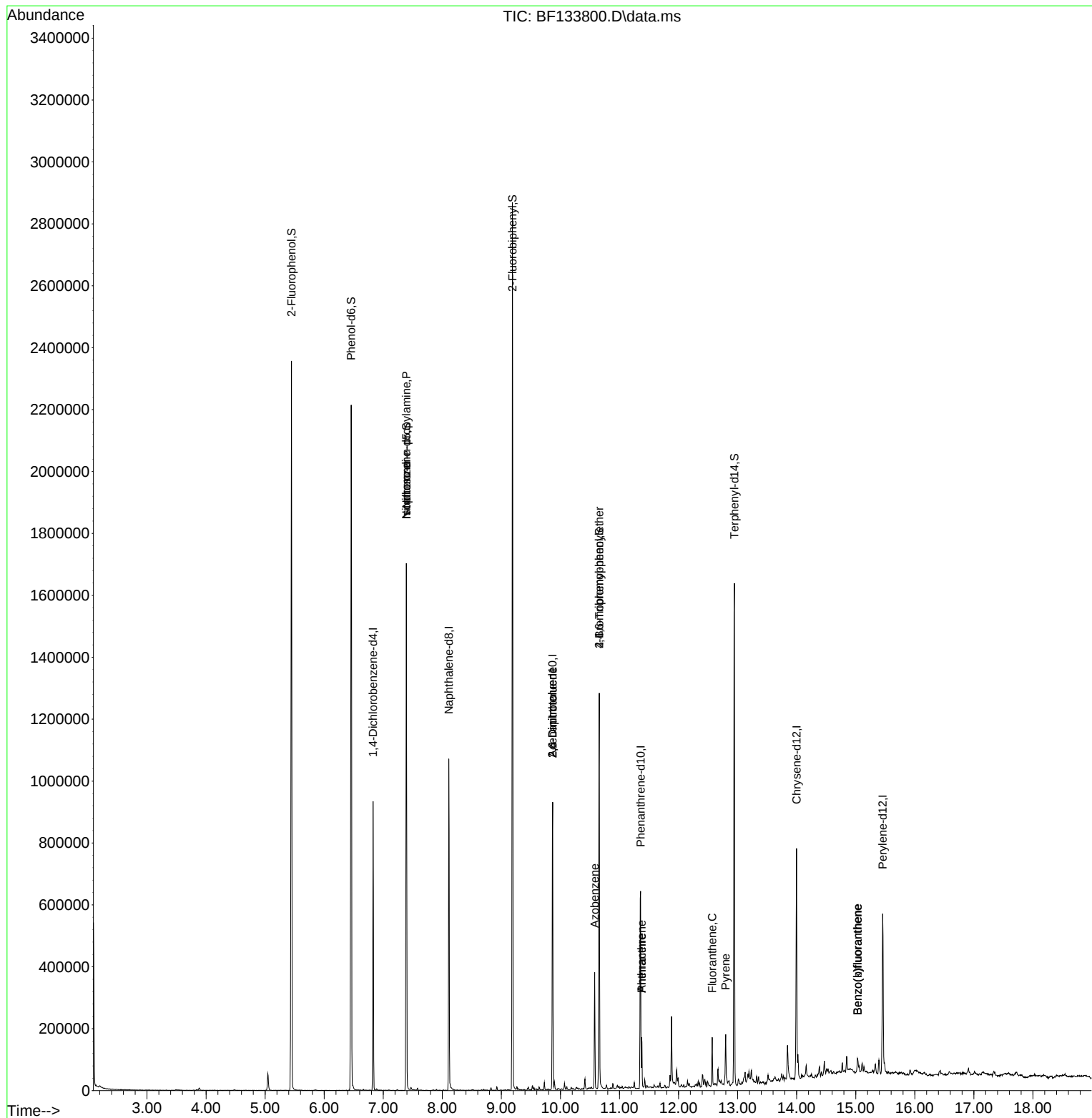
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	122761	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	438100	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	179843	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	245283	20.000	ng	0.00
76) Chrysene-d12	13.998	240	220656	20.000	ng	0.00
86) Perylene-d12	15.457	264	233195	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	610399	86.562	ng	0.00
7) Phenol-d6	6.457	99	733088	79.868	ng	0.00
23) Nitrobenzene-d5	7.392	82	474631	59.008	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	145636	63.974	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	802802	63.455	ng	0.00
79) Terphenyl-d14	12.945	244	561325	39.363	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	66767	11.433	ng	# 77
25) Isophorone	7.392	82	474623	32.141	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	23736	8.567	ng	# 28
57) 2,4-Dinitrotoluene	9.869	165	23736	6.736	ng	# 20
63) Azobenzene	10.580	77	58768	4.544	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	9037	3.301	ng	# 1
71) Phenanthrene	11.375	178	56552	4.544	ng	98
72) Anthracene	11.375	178	56552	4.358	ng	99
75) Fluoranthene	12.569	202	55001	4.162	ng	97
78) Pyrene	12.798	202	66387	3.230	ng	99
88) Benzo(b)fluoranthene	15.033	252	32221	2.275	ng	# 98
89) Benzo(k)fluoranthene	15.033	252	32221	2.335	ng	# 98

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

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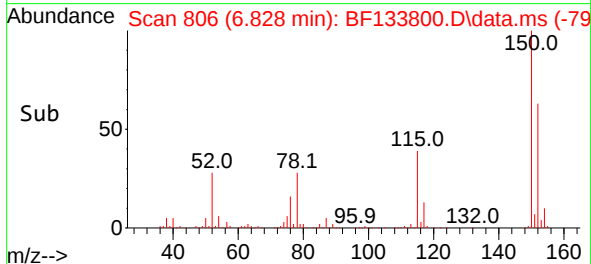
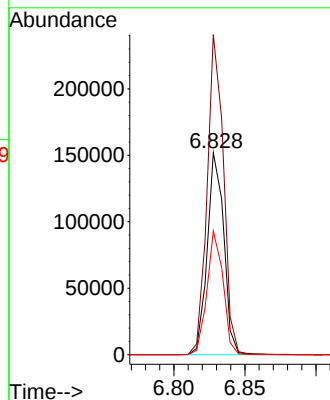
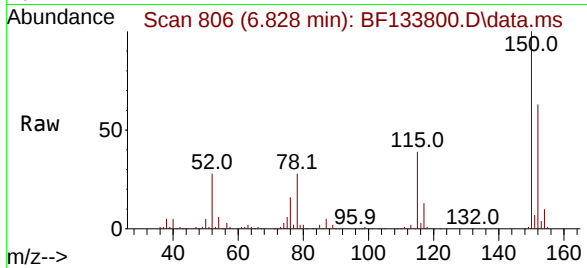




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

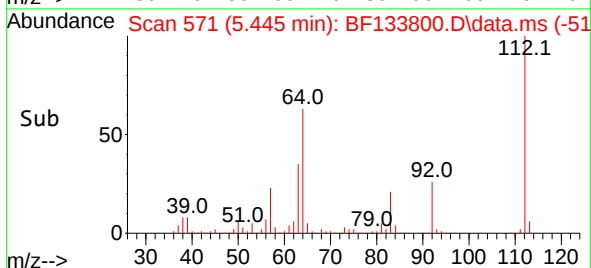
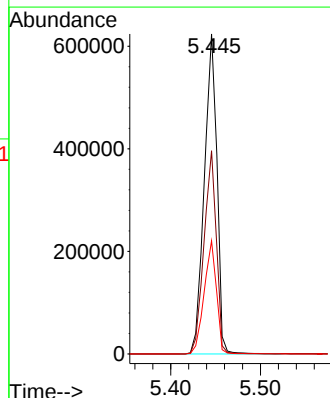
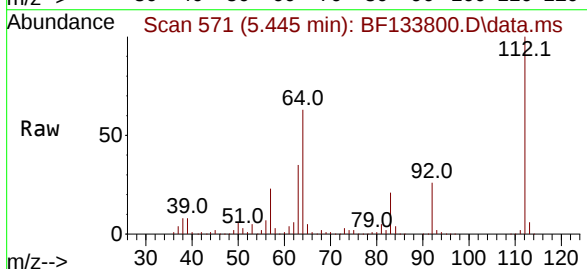
Instrument :
BNA_F
ClientSampleId :
OR-402-COMP-10

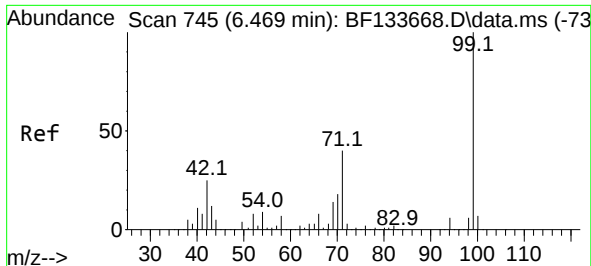
Tgt Ion:152 Resp: 122761
Ion Ratio Lower Upper
152 100
150 158.4 124.3 186.5
115 61.2 48.5 72.7



#5
2-Fluorophenol
Concen: 86.562 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

Tgt Ion:112 Resp: 610399
Ion Ratio Lower Upper
112 100
64 63.5 49.0 73.4
63 35.3 26.8 40.2

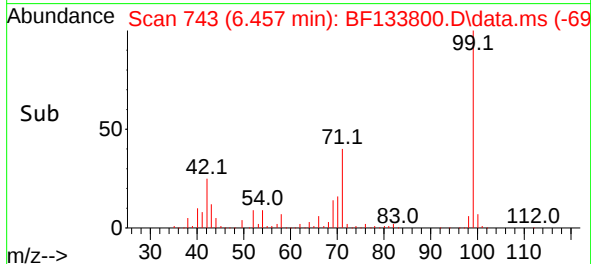
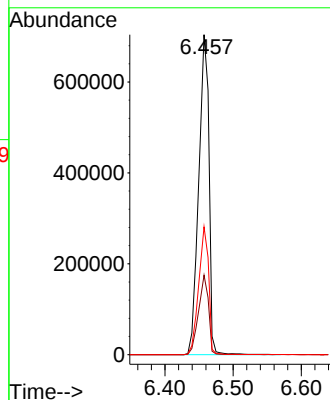
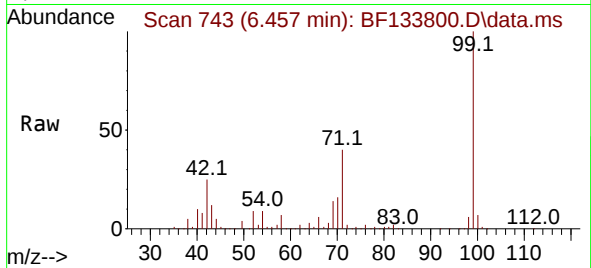




#7
Phenol-d6
Concen: 79.868 ng
RT: 6.457 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

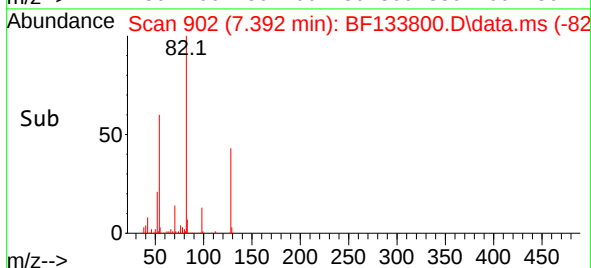
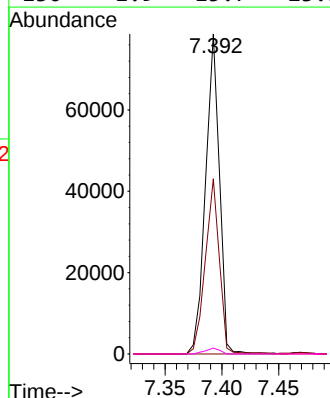
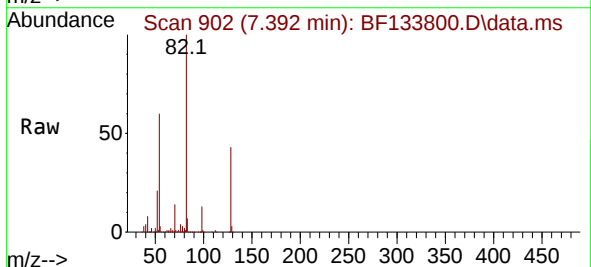
Instrument :
BNA_F
ClientSampleId :
OR-402-COMP-10

Tgt Ion: 99 Resp: 733088
Ion Ratio Lower Upper
99 100
42 24.9 19.9 29.9
71 39.9 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.433 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.147 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

Tgt Ion: 70 Resp: 66767
Ion Ratio Lower Upper
70 100
42 54.7 55.8 83.8#
101 0.0 8.1 12.1#
130 1.9 15.7 23.5#

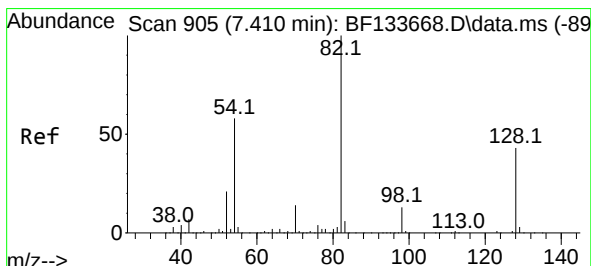
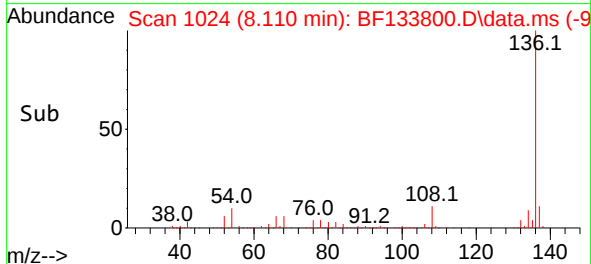
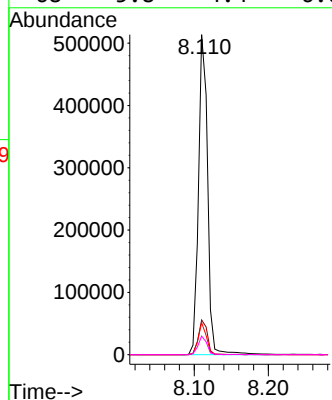
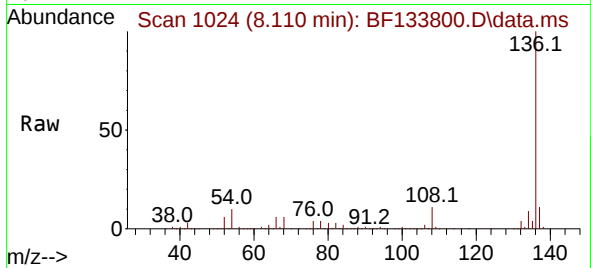




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

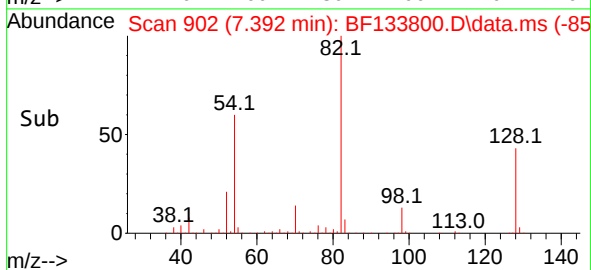
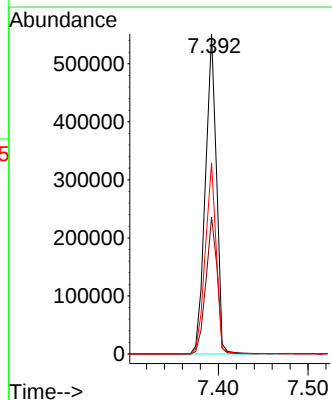
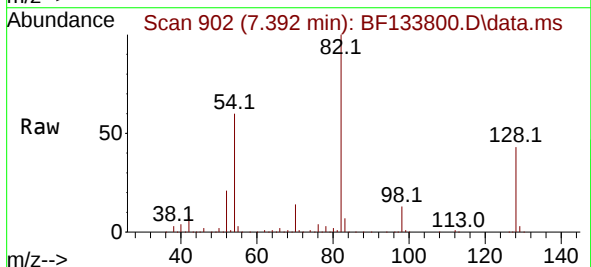
Instrument :
BNA_F
ClientSampleId :
OR-402-COMP-10

Tgt Ion:136 Resp: 438100
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.0 7.4 11.0
68 5.8 4.4 6.6



#23
Nitrobenzene-d5
Concen: 59.008 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

Tgt Ion: 82 Resp: 474631
Ion Ratio Lower Upper
82 100
128 42.8 34.2 51.2
54 59.7 46.5 69.7

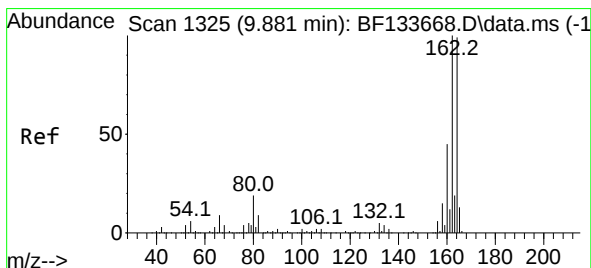
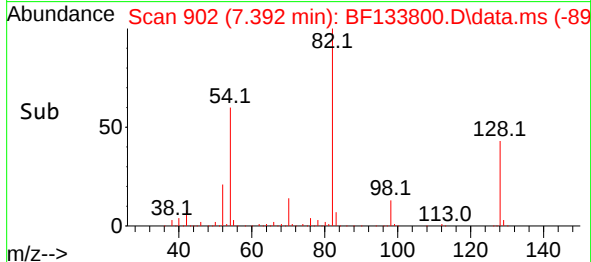
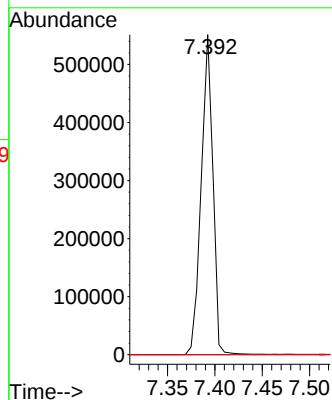
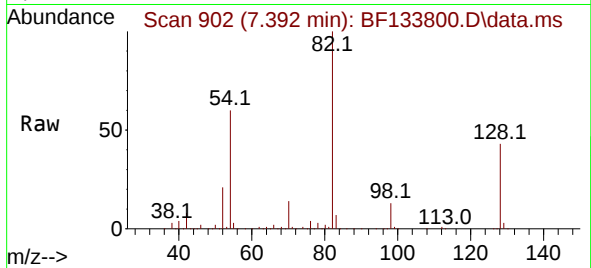




#25
Isophorone
Concen: 32.141 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

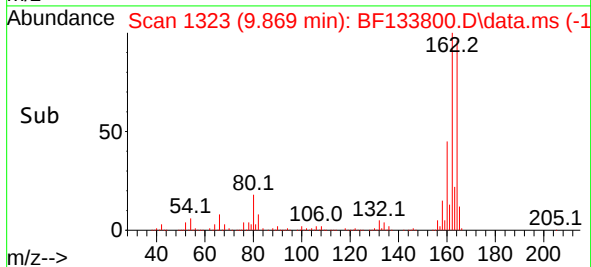
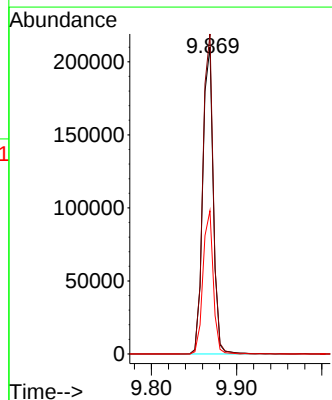
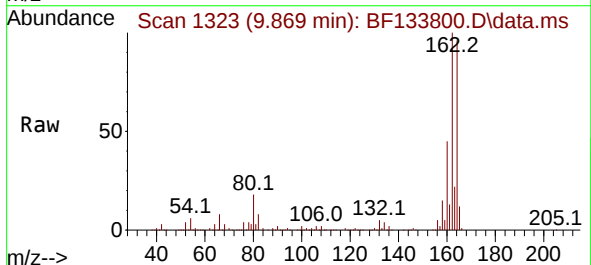
Instrument :
BNA_F
ClientSampleId :
OR-402-COMP-10

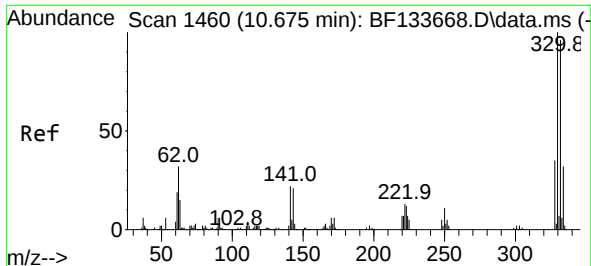
Tgt Ion: 82 Resp: 474623
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

Tgt Ion:164 Resp: 179843
Ion Ratio Lower Upper
164 100
162 104.2 80.8 121.2
160 46.6 36.7 55.1

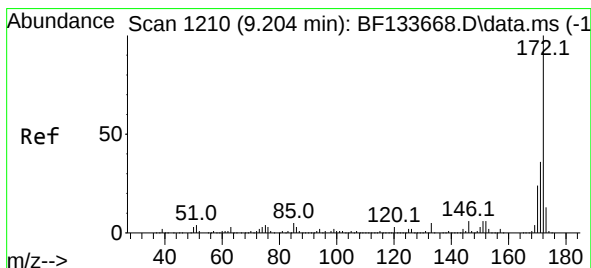
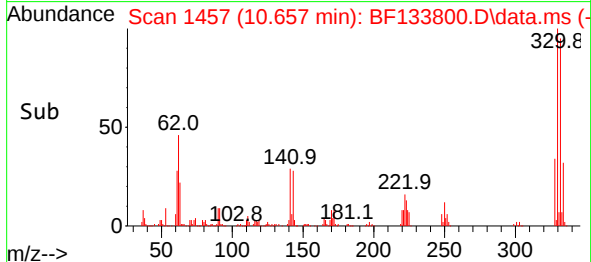
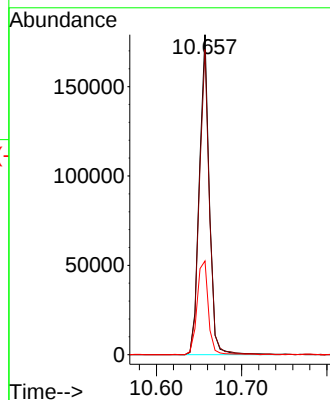
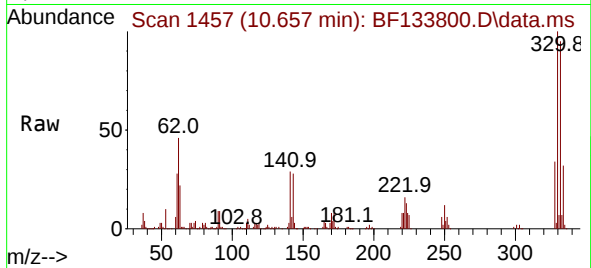




#42
2,4,6-Tribromophenol
Concen: 63.974 ng
RT: 10.657 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

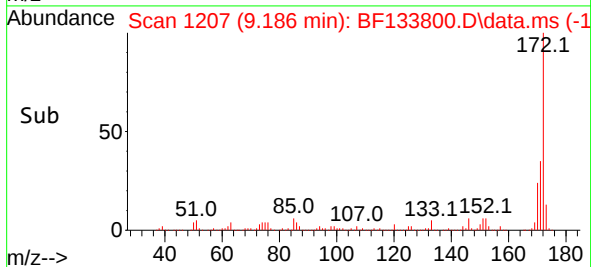
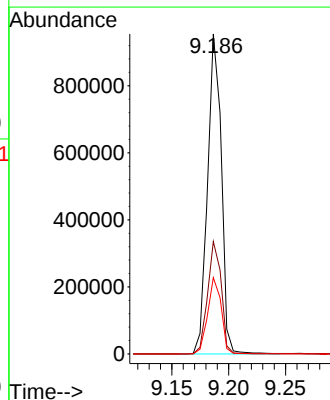
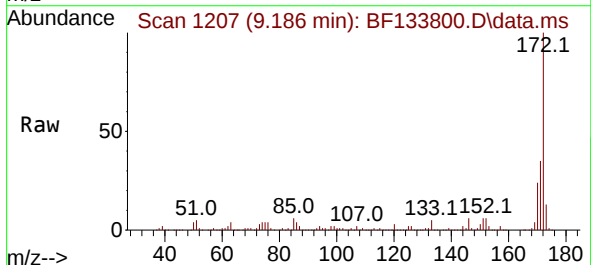
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BNA_F
ClientSampleId :
OR-402-COMP-10

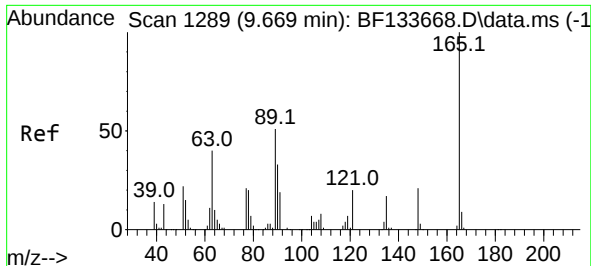
Tgt Ion: 330 Resp: 145636
Ion Ratio Lower Upper
330 100
332 96.2 77.2 115.8
141 33.1 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 63.455 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

Tgt Ion: 172 Resp: 802802
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.8 19.1 28.7

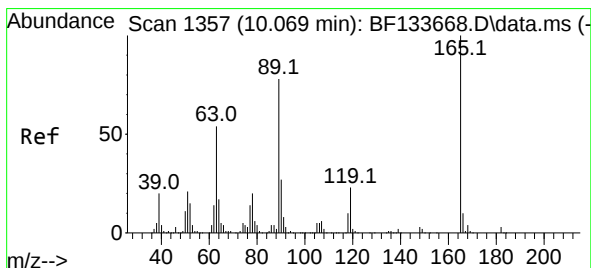
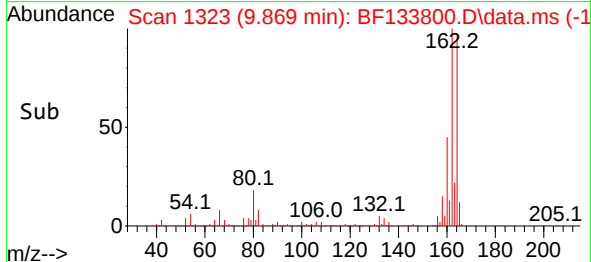
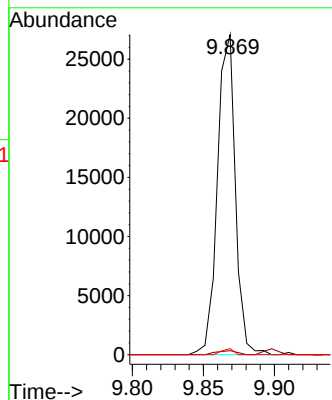
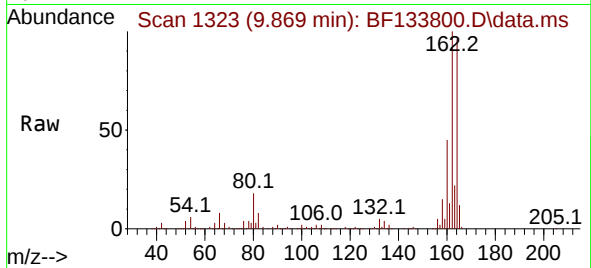




#51
2,6-Dinitrotoluene
Concen: 8.567 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

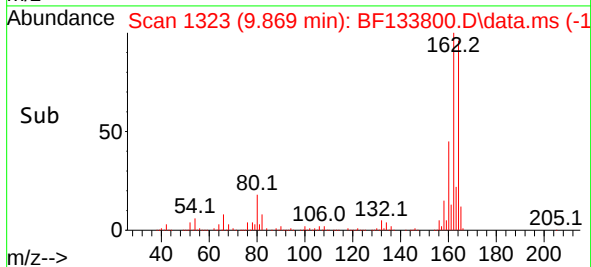
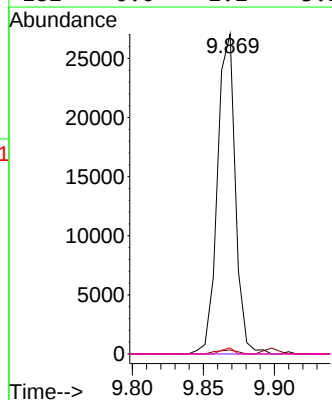
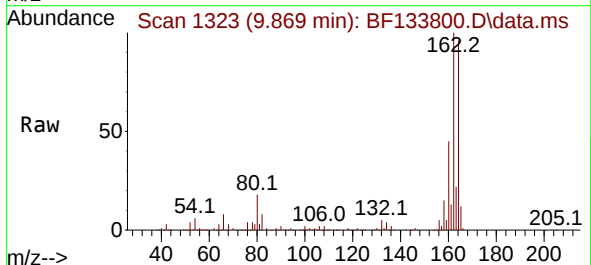
Instrument :
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OR-402-COMP-10

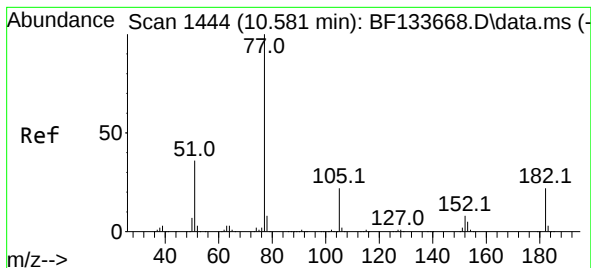
Tgt Ion:165 Resp: 23736
Ion Ratio Lower Upper
165 100
63 1.2 42.1 63.1#
89 1.9 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.736 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

Tgt Ion:165 Resp: 23736
Ion Ratio Lower Upper
165 100
63 1.2 43.0 64.6#
89 1.9 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 4.544 ng

RT: 10.580 min Scan# 1444

Delta R.T. 0.006 min

Lab File: BF133800.D

Acq: 16 Jun 2023 04:44

Instrument :

BNA_F

ClientSampleId :

OR-402-COMP-10

Tgt Ion: 77 Resp: 58768

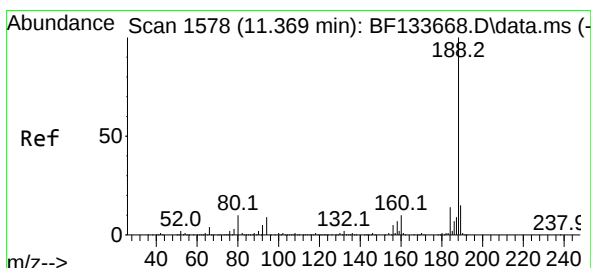
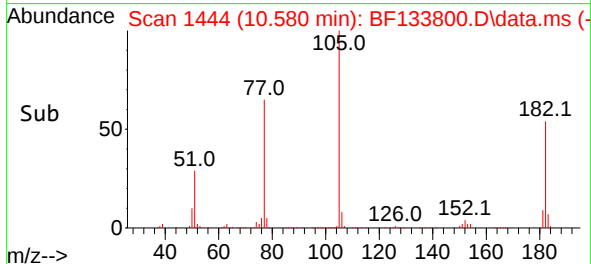
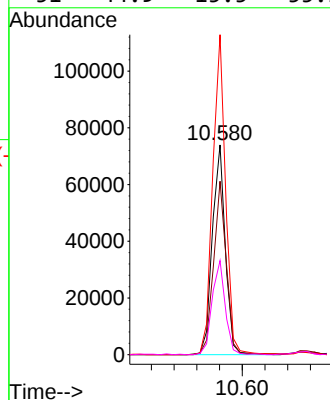
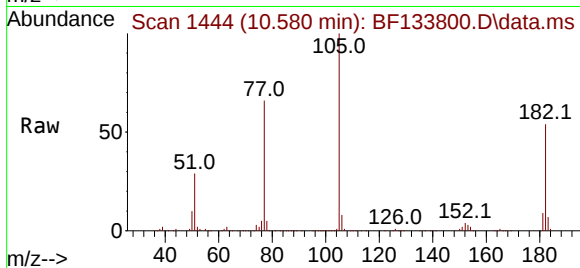
Ion Ratio Lower Upper

77 100

182 82.7 1.6 41.6#

105 152.6 1.6 41.6#

51 44.9 15.5 55.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.000 min

Lab File: BF133800.D

Acq: 16 Jun 2023 04:44

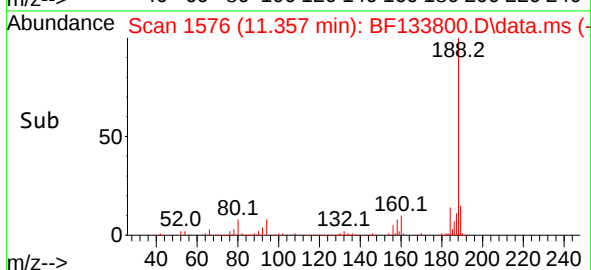
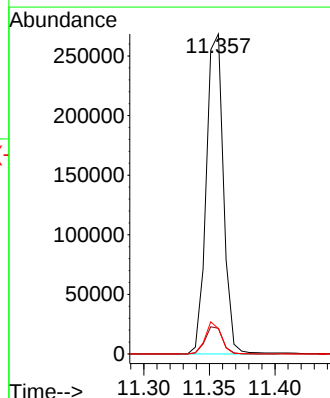
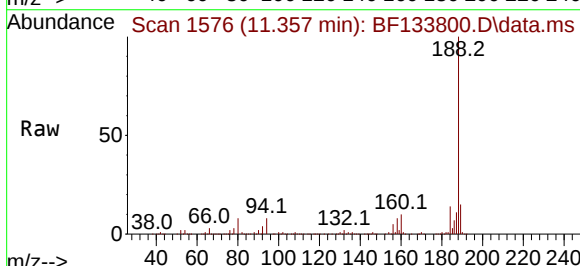
Tgt Ion: 188 Resp: 245283

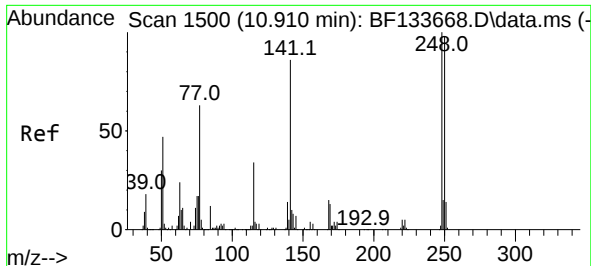
Ion Ratio Lower Upper

188 100

94 8.0 6.8 10.2

80 7.9 7.8 11.6

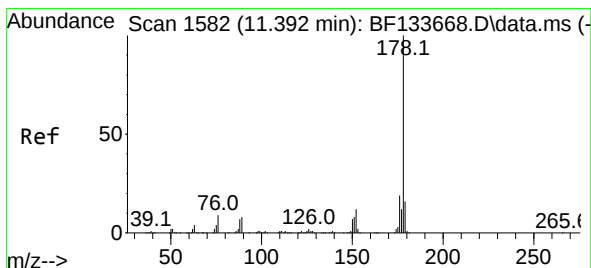
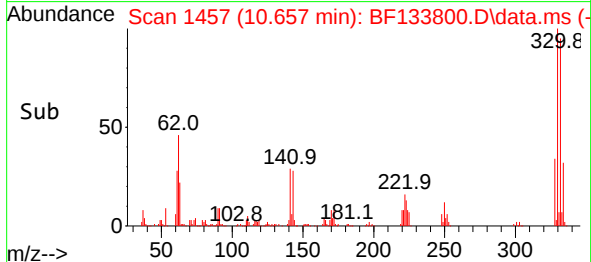
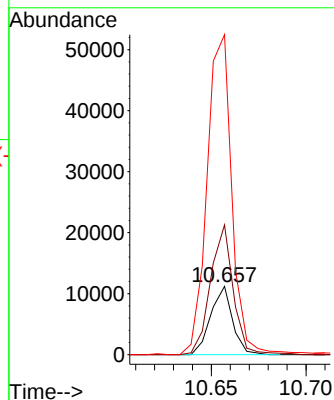
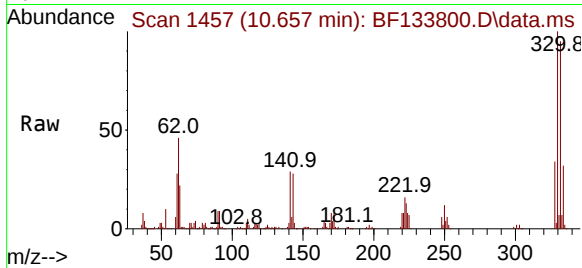




#67
4-Bromophenyl-phenylether
Concen: 3.301 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

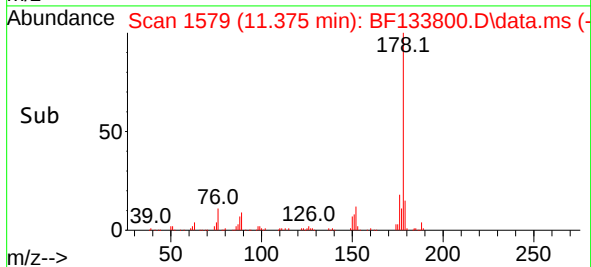
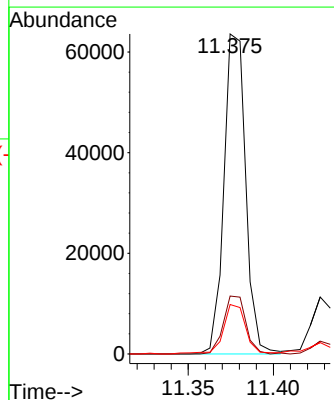
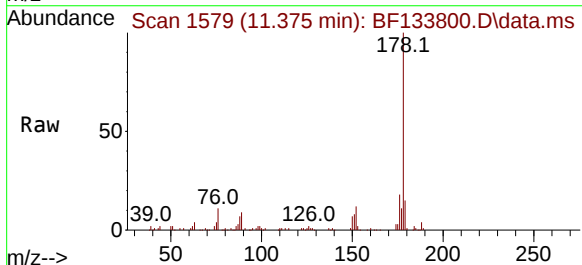
Instrument :
BNA_F
ClientSampleId :
OR-402-COMP-10

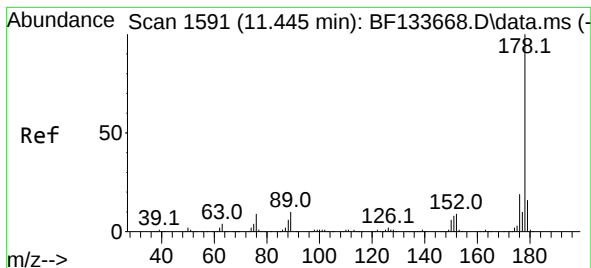
Tgt Ion:248 Resp: 9037
Ion Ratio Lower Upper
248 100
250 190.0 78.3 117.5#
141 468.5 69.0 103.6#



#71
Phenanthrene
Concen: 4.544 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

Tgt Ion:178 Resp: 56552
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.5 12.4 18.6





#72

Anthracene

Concen: 4.358 ng

RT: 11.375 min Scan# 11

Delta R.T. -0.059 min

Lab File: BF133800.D

Acq: 16 Jun 2023 04:44

Instrument :

BNA_F

ClientSampleId :

OR-402-COMP-10

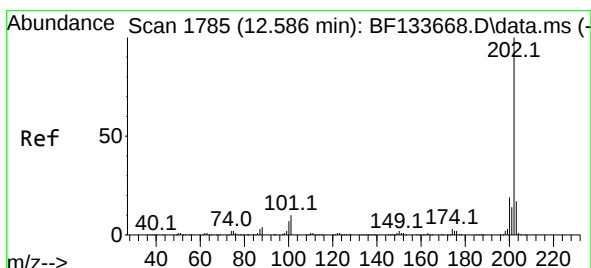
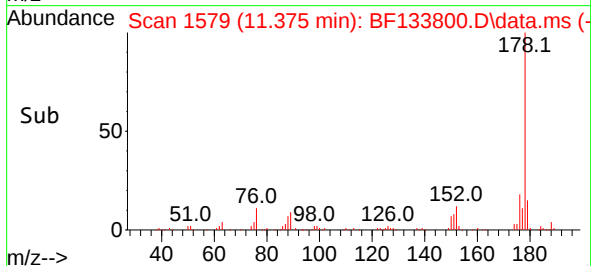
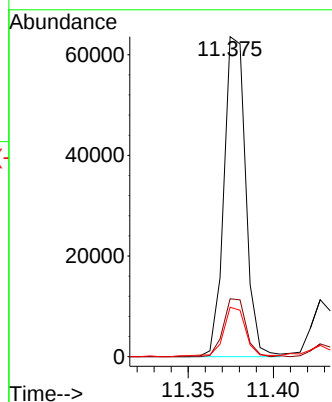
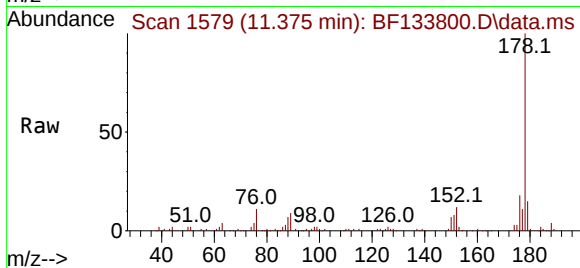
Tgt Ion:178 Resp: 56552

Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

179 15.5 12.6 18.8



#75

Fluoranthene

Concen: 4.162 ng

RT: 12.569 min Scan# 1782

Delta R.T. -0.006 min

Lab File: BF133800.D

Acq: 16 Jun 2023 04:44

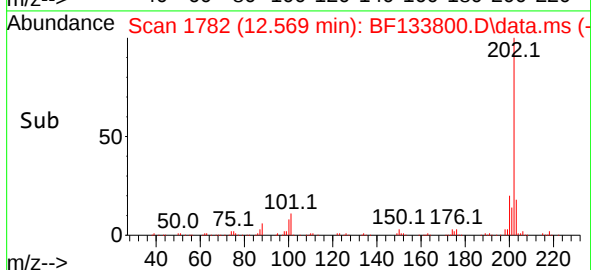
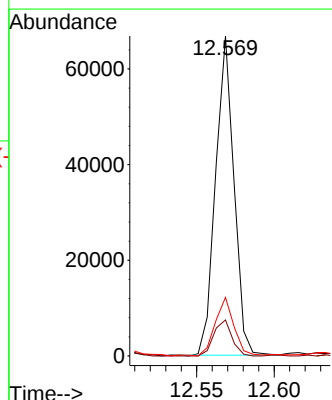
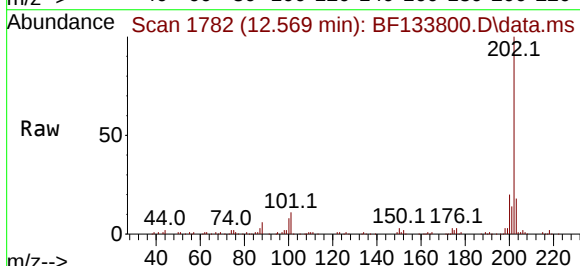
Tgt Ion:202 Resp: 55001

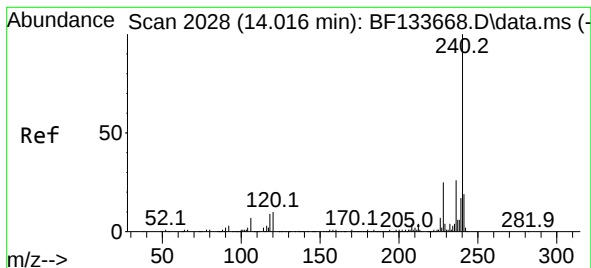
Ion Ratio Lower Upper

202 100

101 11.3 0.0 29.6

203 18.3 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: BF133800.D

Acq: 16 Jun 2023 04:44

Instrument :

BNA_F

ClientSampleId :

OR-402-COMP-10

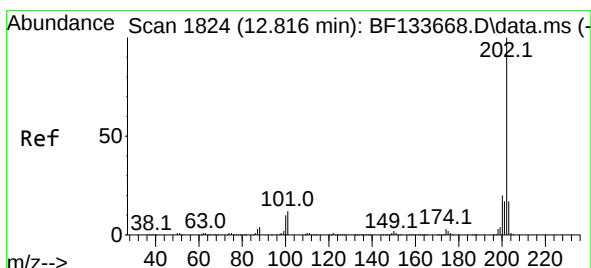
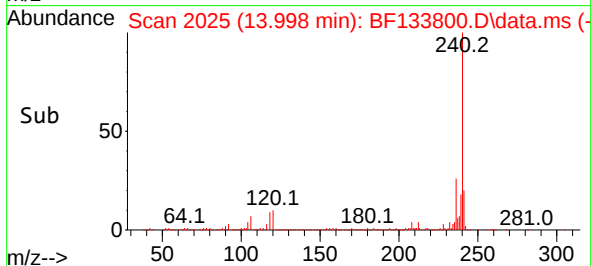
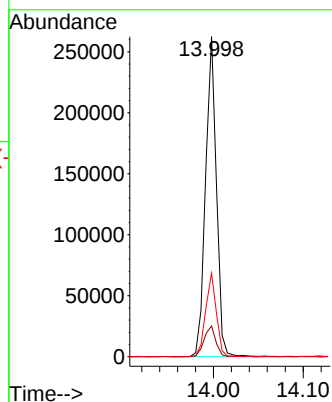
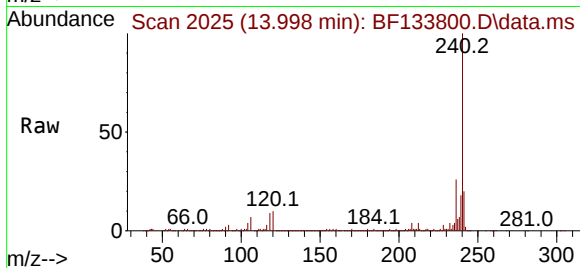
Tgt Ion:240 Resp: 220656

Ion Ratio Lower Upper

240 100

120 9.6 8.1 12.1

236 26.1 20.5 30.7



#78

Pyrene

Concen: 3.230 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF133800.D

Acq: 16 Jun 2023 04:44

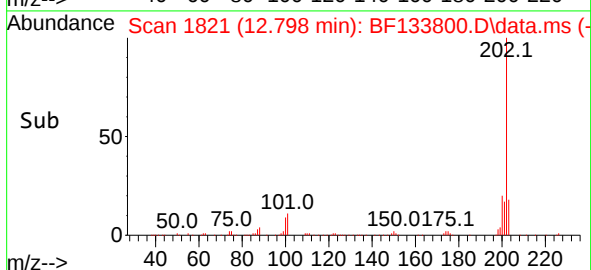
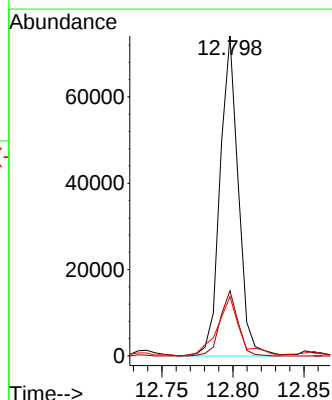
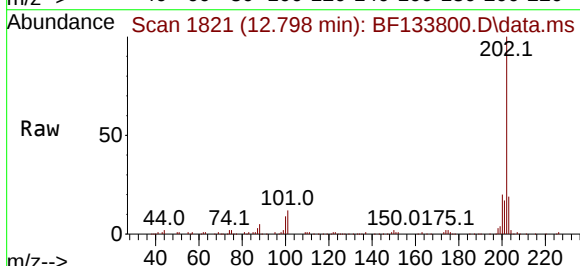
Tgt Ion:202 Resp: 66387

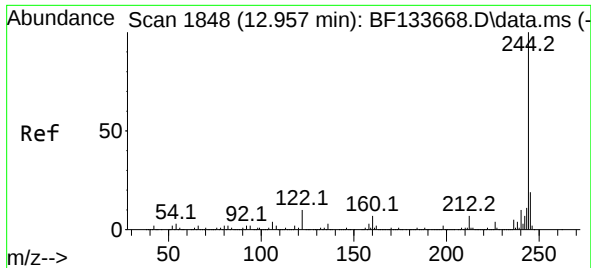
Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.2

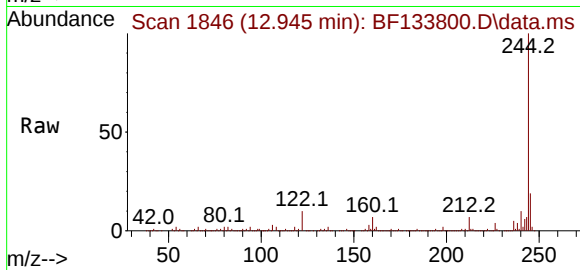
203 18.5 13.9 20.9



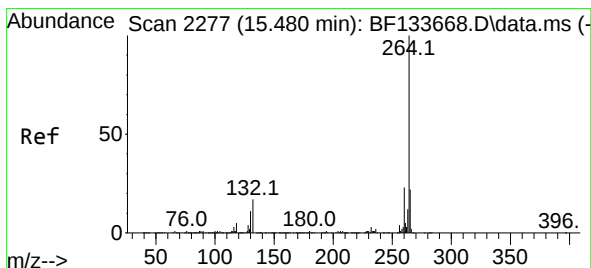
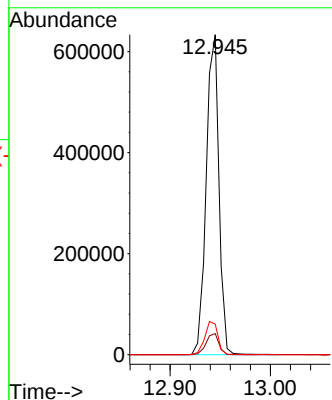
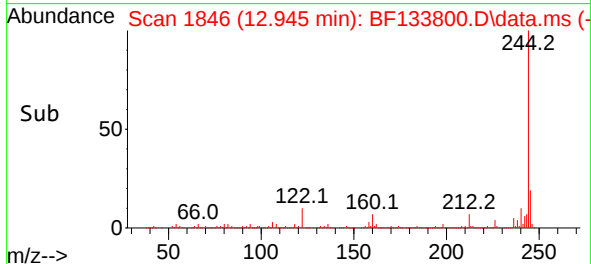


#79
 Terphenyl-d14
 Concen: 39.363 ng
 RT: 12.945 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133800.D
 Acq: 16 Jun 2023 04:44

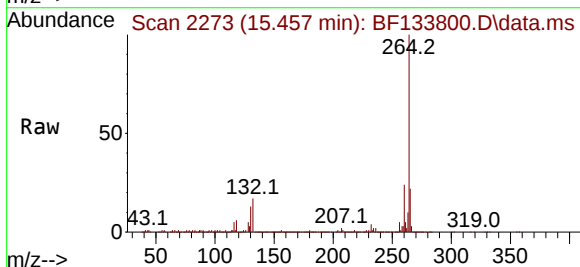
Instrument :
 BNA_F
 ClientSampleId :
 OR-402-COMP-10



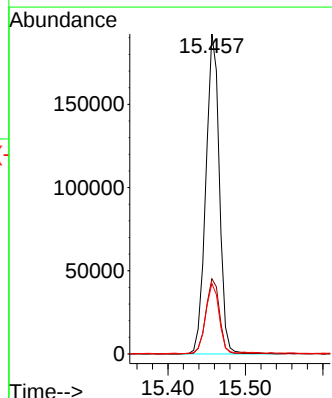
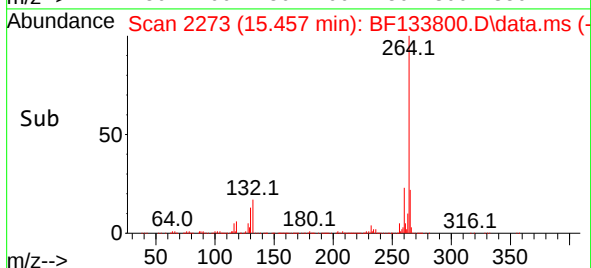
Tgt Ion:244 Resp: 561325
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 9.5 8.1 12.1

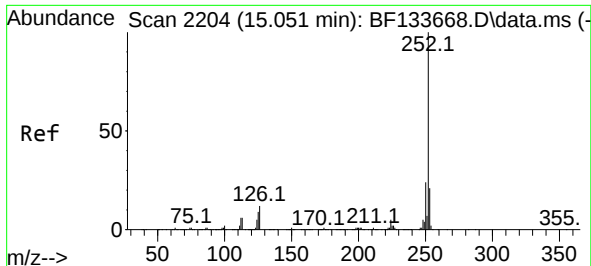


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.457 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF133800.D
 Acq: 16 Jun 2023 04:44



Tgt Ion:264 Resp: 233195
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.2 27.2
 265 22.0 17.8 26.6

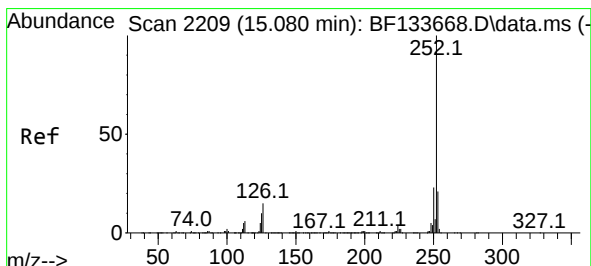
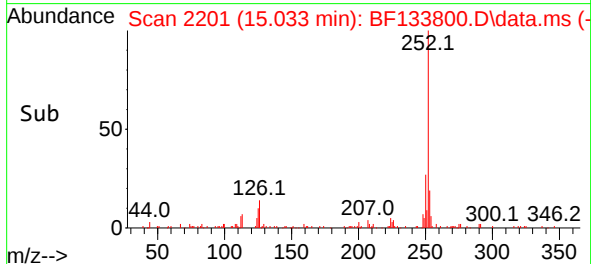
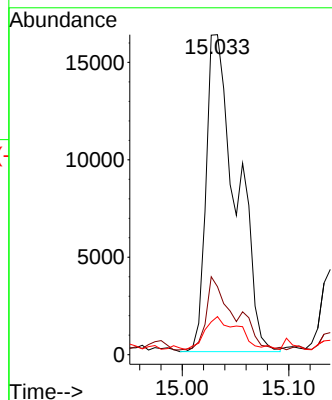
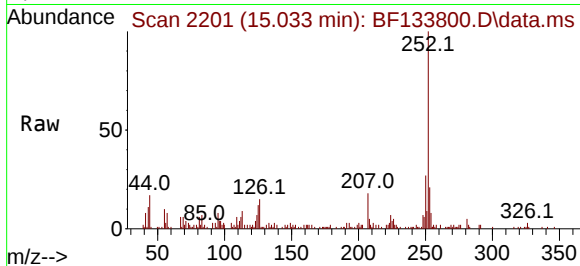




#88
Benzo(b)fluoranthene
Concen: 2.275 ng
RT: 15.033 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

Instrument :
BNA_F
ClientSampleId :
OR-402-COMP-10

Tgt Ion:252 Resp: 32221
Ion Ratio Lower Upper
252 100
253 21.3 17.0 25.6
125 11.9 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 2.335 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.035 min
Lab File: BF133800.D
Acq: 16 Jun 2023 04:44

Tgt Ion:252 Resp: 32221
Ion Ratio Lower Upper
252 100
253 21.3 17.0 25.4
125 11.9 7.8 11.6#

