

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081022\
 Data File : BF129705.D
 Acq On : 10 Aug 2022 20:25
 Operator : CG\JU
 Sample : N4126-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080922

Quant Time: Aug 10 21:37:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 15:26:57 2022
 Response via : Initial Calibration

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

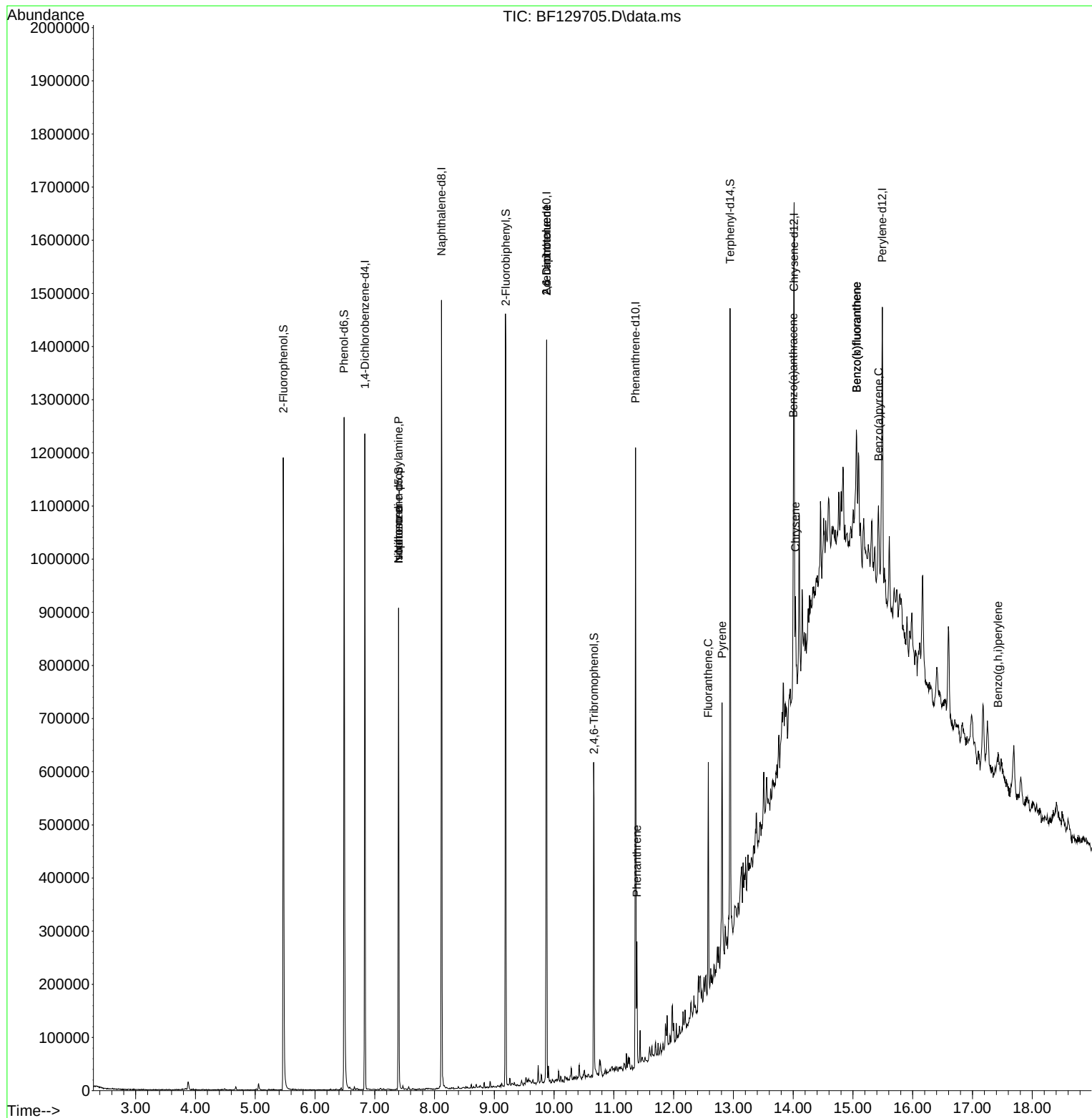
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	169922	20.000	ng	-0.02
21) Naphthalene-d8	8.116	136	612510	20.000	ng	-0.02
39) Acenaphthene-d10	9.875	164	263727	20.000	ng	-0.02
64) Phenanthrene-d10	11.363	188	377365	20.000	ng	-0.02
76) Chrysene-d12	14.016	240	300976	20.000	ng	-0.01
86) Perylene-d12	15.492	264	219662	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	342211	32.807	ng	-0.01
7) Phenol-d6	6.487	99	415219	31.669	ng	-0.02
23) Nitrobenzene-d5	7.398	82	247476	22.056	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	67711	26.705	ng	-0.02
45) 2-Fluorobiphenyl	9.192	172	436664	25.613	ng	-0.02
79) Terphenyl-d14	12.945	244	358526	22.473	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	32814	4.134	ng	# 74
25) Isophorone	7.398	82	247400	12.301	ng	# 65
51) 2,6-Dinitrotoluene	9.875	165	34517	8.471	ng	# 25
57) 2,4-Dinitrotoluene	9.875	165	34517	6.484	ng	# 21
71) Phenanthrene	11.386	178	72419	3.516	ng	98
75) Fluoranthene	12.580	202	153194	7.340	ng	100
78) Pyrene	12.810	202	151680	6.027	ng	97
81) Benzo(a)anthracene	14.004	228	64915	3.157	ng	# 89
83) Chrysene	14.039	228	69336	3.578	ng	# 90
88) Benzo(b)fluoranthene	15.063	252	93132	6.392	ng	# 52
89) Benzo(k)fluoranthene	15.063	252	93132	6.522	ng	# 52
90) Benzo(a)pyrene	15.427	252	47770	4.039	ng	# 76
92) Benzo(g,h,i)perylene	17.427	276	30024	2.440	ng	# 90

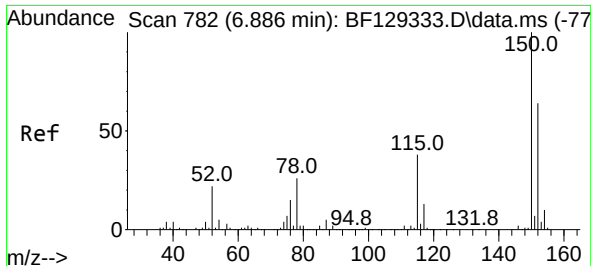
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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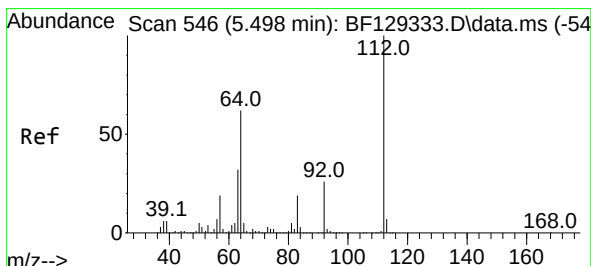
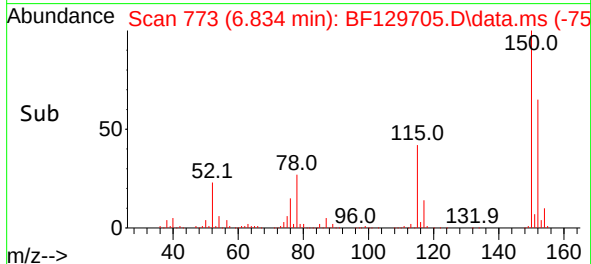
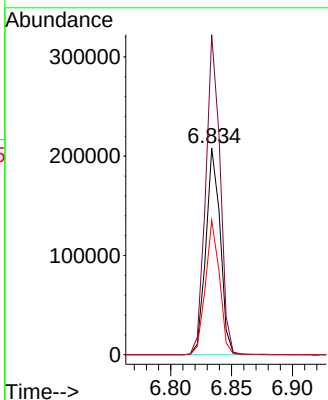
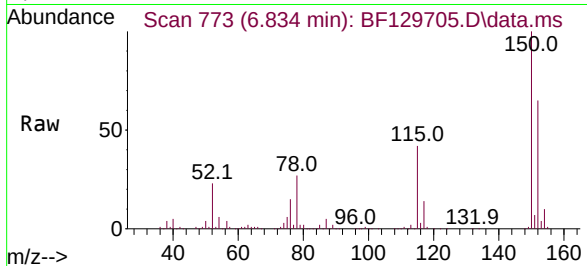




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.834 min Scan# 71
 Delta R.T. -0.017 min
 Lab File: BF129705.D
 Acq: 10 Aug 2022 20:25

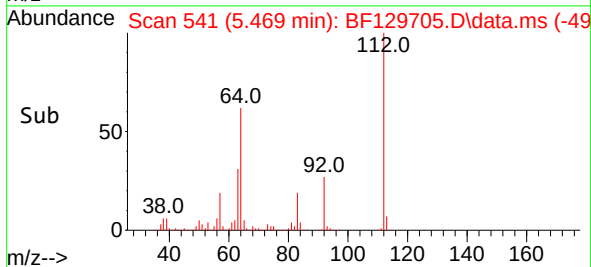
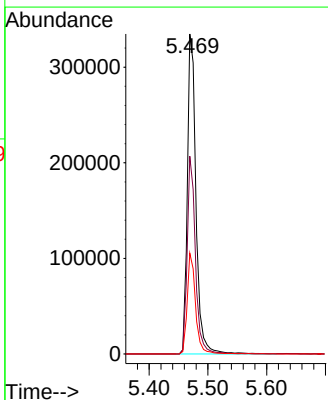
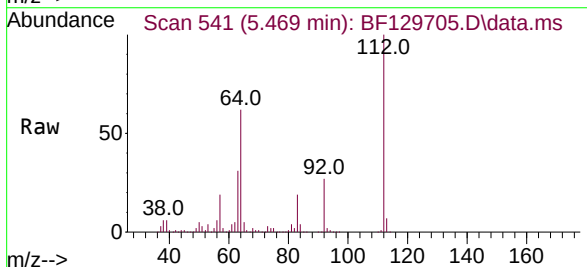
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-080922

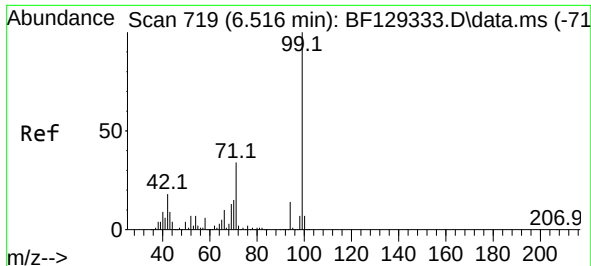
Tgt Ion:152 Resp: 169922
 Ion Ratio Lower Upper
 152 100
 150 154.9 123.7 185.5
 115 65.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 32.807 ng
 RT: 5.469 min Scan# 541
 Delta R.T. -0.012 min
 Lab File: BF129705.D
 Acq: 10 Aug 2022 20:25

Tgt Ion:112 Resp: 342211
 Ion Ratio Lower Upper
 112 100
 64 61.8 53.3 79.9
 63 31.5 28.0 42.0

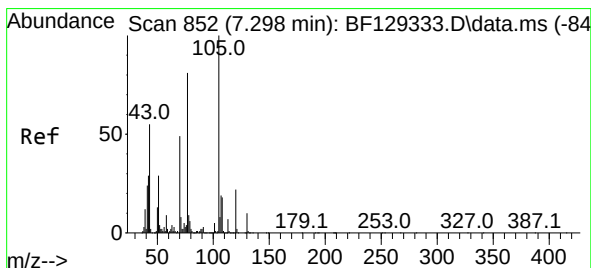
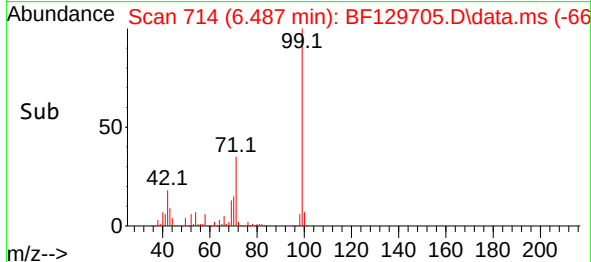
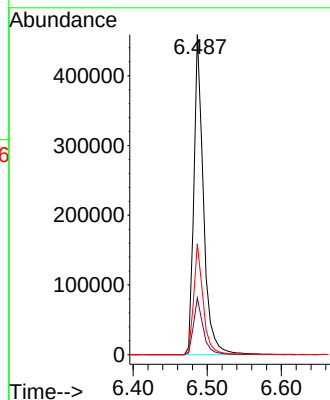
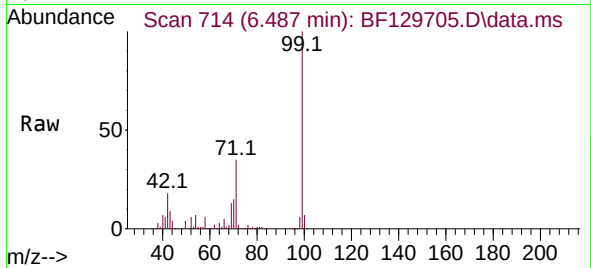




#7
Phenol-d6
Concen: 31.669 ng
RT: 6.487 min Scan# 719
Delta R.T. -0.018 min
Lab File: BF129705.D
Acq: 10 Aug 2022 20:25

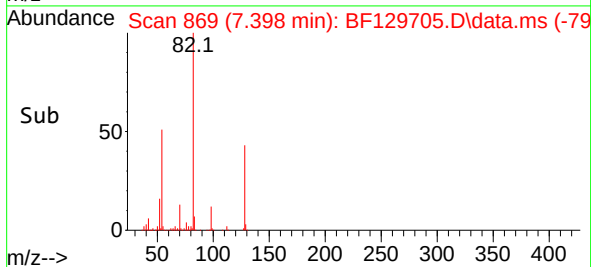
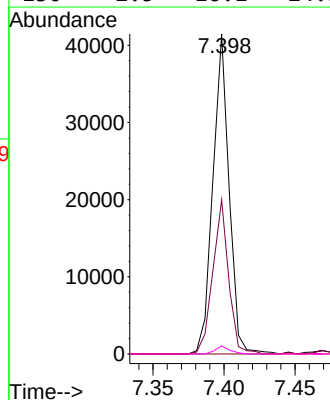
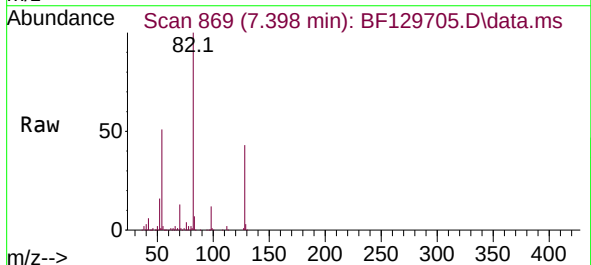
Instrument :
BNA_F
ClientSampleId :
OR-03-080922

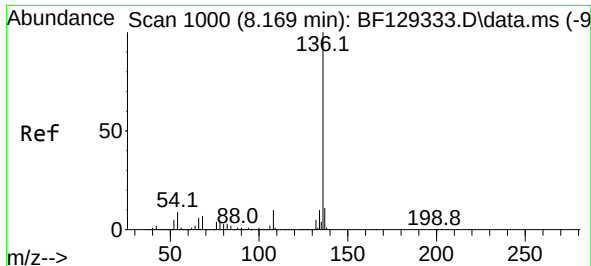
Tgt Ion: 99 Resp: 415219
Ion Ratio Lower Upper
99 100
42 17.7 17.3 25.9
71 34.6 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 4.134 ng
RT: 7.398 min Scan# 869
Delta R.T. 0.129 min
Lab File: BF129705.D
Acq: 10 Aug 2022 20:25

Tgt Ion: 70 Resp: 32814
Ion Ratio Lower Upper
70 100
42 48.2 52.3 78.5#
101 0.0 7.5 11.3#
130 2.5 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF129705.D

Acq: 10 Aug 2022 20:25

Instrument :

BNA_F

ClientSampleId :

OR-03-080922

Tgt Ion:136 Resp: 612510

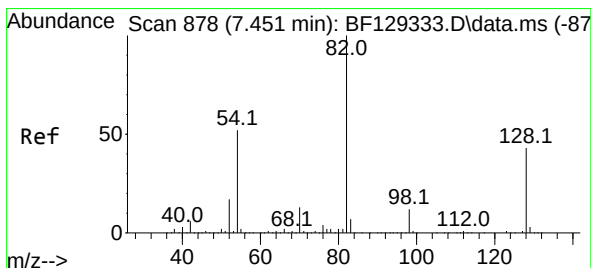
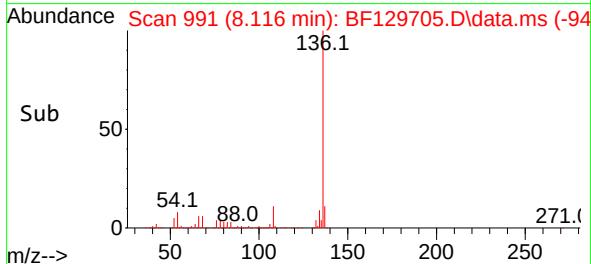
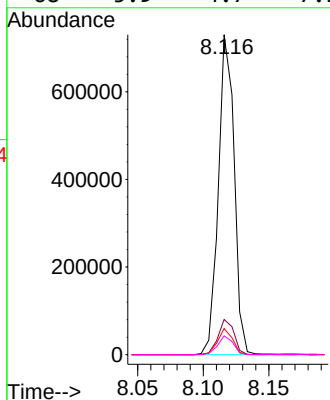
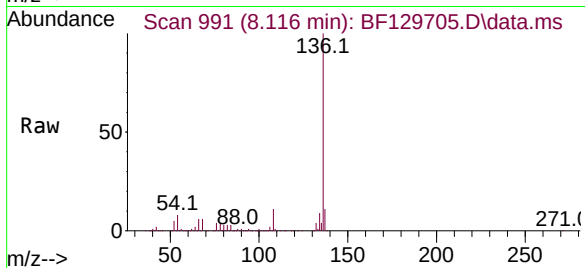
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.2 7.5 11.3

68 5.9 4.7 7.1



#23

Nitrobenzene-d5

Concen: 22.056 ng

RT: 7.398 min Scan# 869

Delta R.T. -0.024 min

Lab File: BF129705.D

Acq: 10 Aug 2022 20:25

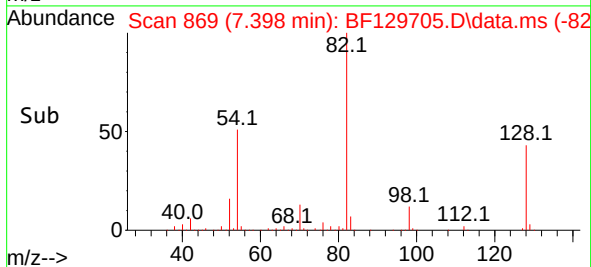
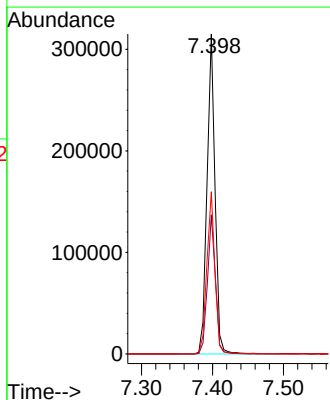
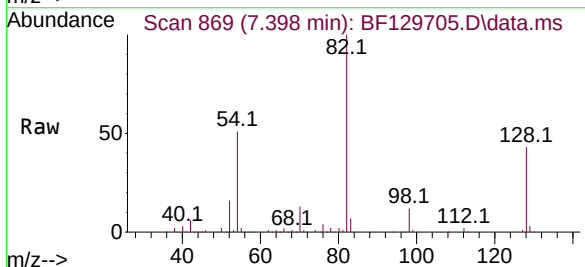
Tgt Ion: 82 Resp: 247476

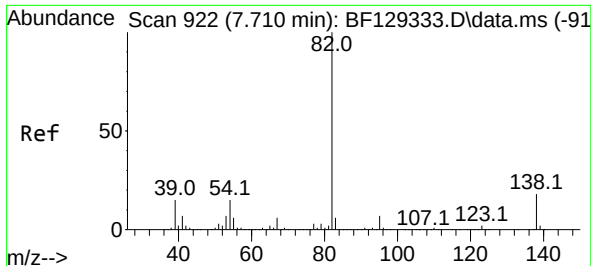
Ion Ratio Lower Upper

82 100

128 43.5 34.0 51.0

54 50.7 46.9 70.3

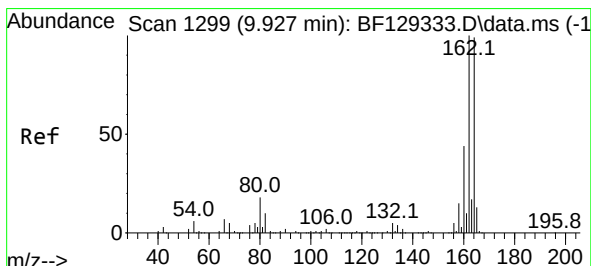
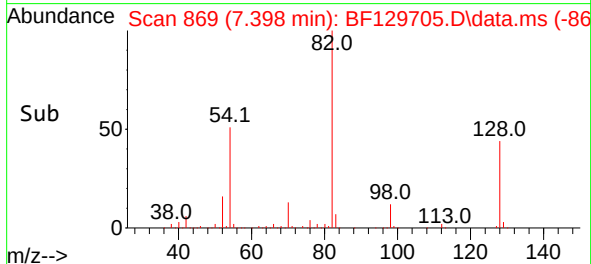
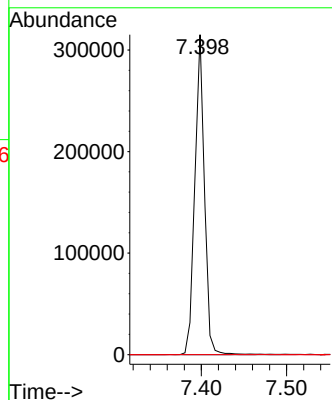
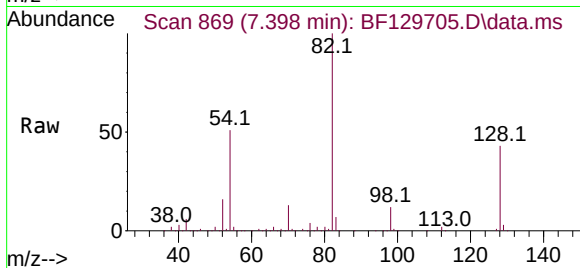




#25
Isophorone
Concen: 12.301 ng
RT: 7.398 min Scan# 80
Delta R.T. -0.282 min
Lab File: BF129705.D
Acq: 10 Aug 2022 20:25

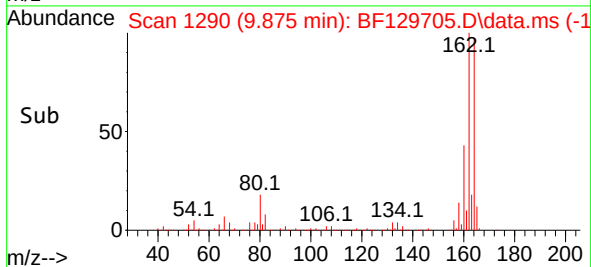
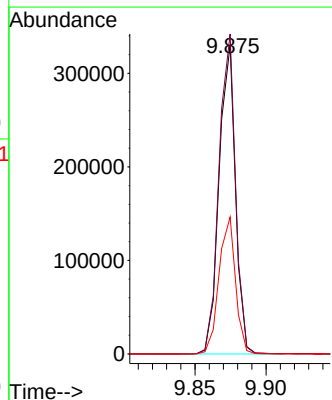
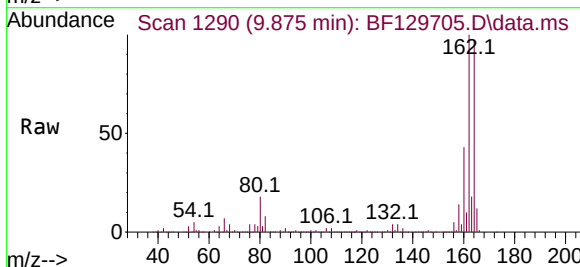
Instrument :
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OR-03-080922

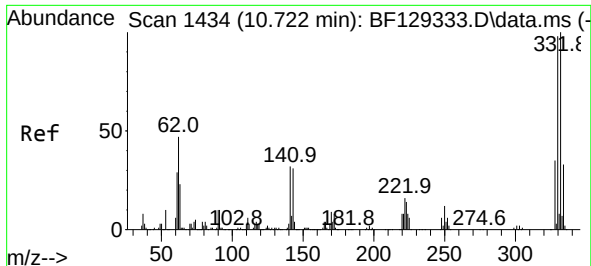
Tgt Ion: 82 Resp: 247400
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.018 min
Lab File: BF129705.D
Acq: 10 Aug 2022 20:25

Tgt Ion: 164 Resp: 263727
Ion Ratio Lower Upper
164 100
162 103.6 79.5 119.3
160 44.3 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 26.705 ng

RT: 10.669 min Scan# 1434

Delta R.T. -0.018 min

Lab File: BF129705.D

Acq: 10 Aug 2022 20:25

Instrument :

BNA_F

ClientSampleId :

OR-03-080922

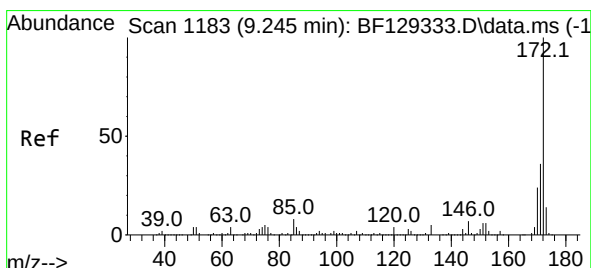
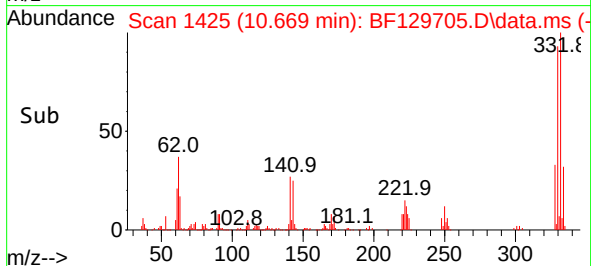
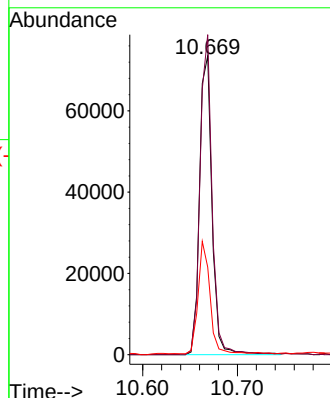
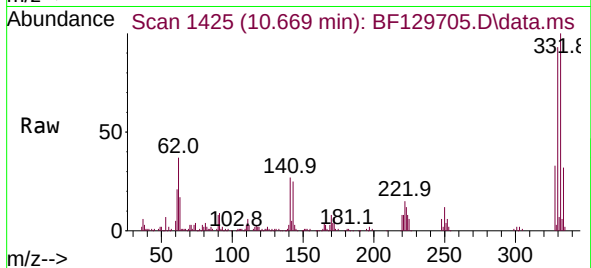
Tgt Ion:330 Resp: 67711

Ion Ratio Lower Upper

330 100

332 104.1 76.8 115.2

141 35.4 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 25.613 ng

RT: 9.192 min Scan# 1174

Delta R.T. -0.018 min

Lab File: BF129705.D

Acq: 10 Aug 2022 20:25

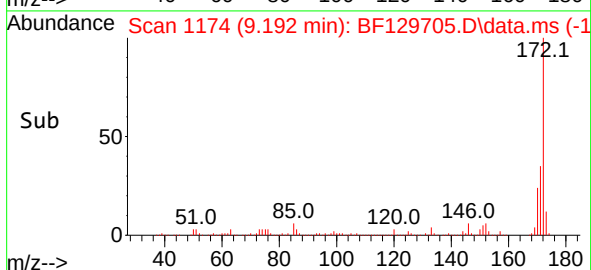
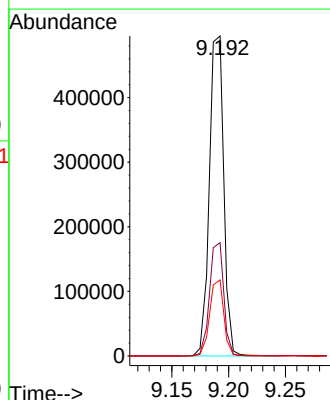
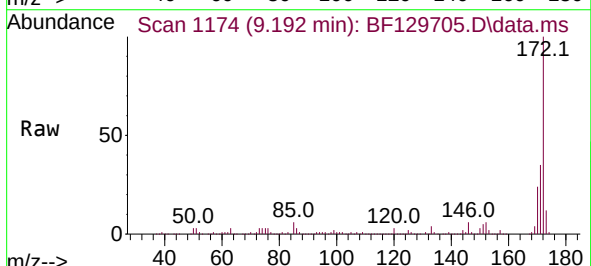
Tgt Ion:172 Resp: 436664

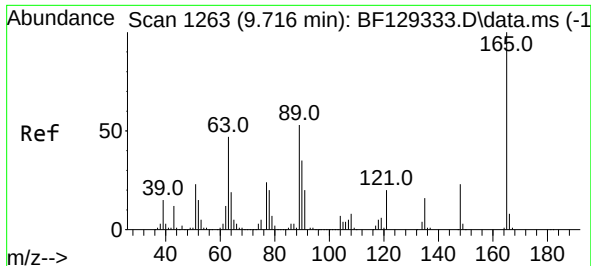
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.8 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.471 ng

RT: 9.875 min Scan# 1290

Delta R.T. 0.194 min

Lab File: BF129705.D

Acq: 10 Aug 2022 20:25

Instrument :

BNA_F

ClientSampleId :

OR-03-080922

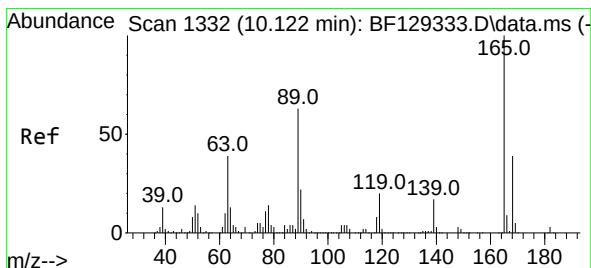
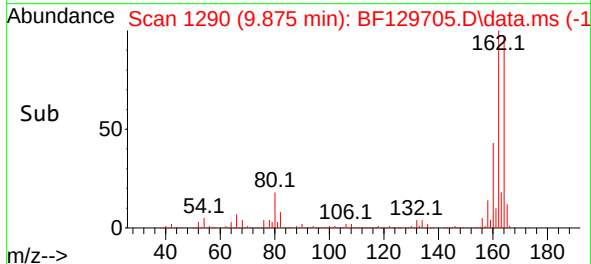
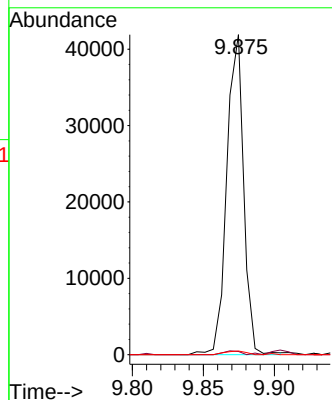
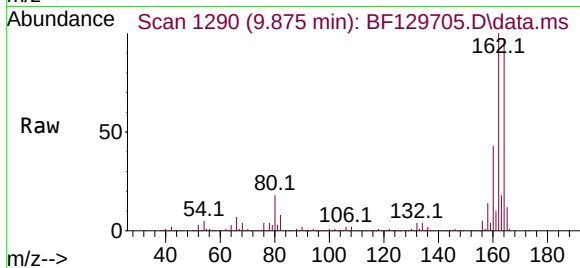
Tgt Ion:165 Resp: 34517

Ion Ratio Lower Upper

165 100

63 1.0 44.9 67.3#

89 1.2 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.484 ng

RT: 9.875 min Scan# 1290

Delta R.T. -0.212 min

Lab File: BF129705.D

Acq: 10 Aug 2022 20:25

Tgt Ion:165 Resp: 34517

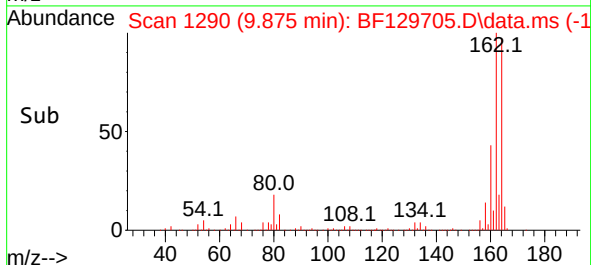
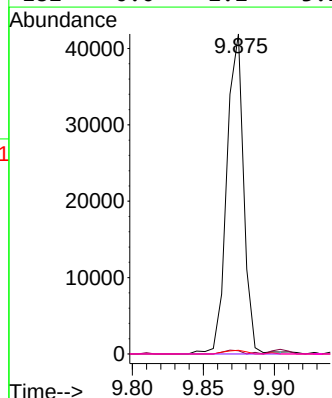
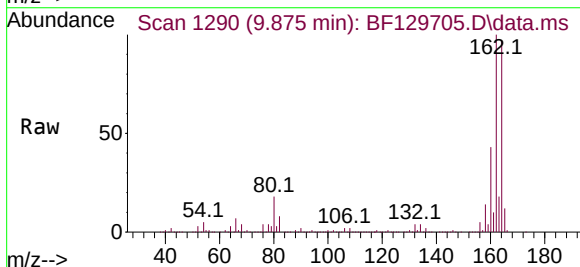
Ion Ratio Lower Upper

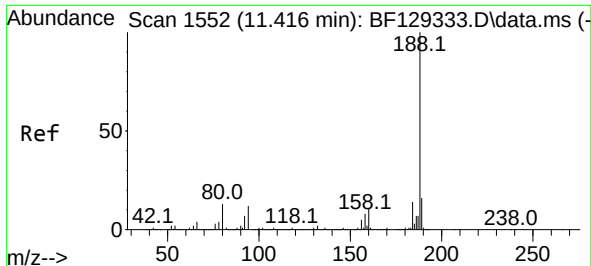
165 100

63 1.0 39.8 59.6#

89 1.2 60.2 90.2#

182 0.0 2.2 3.2#

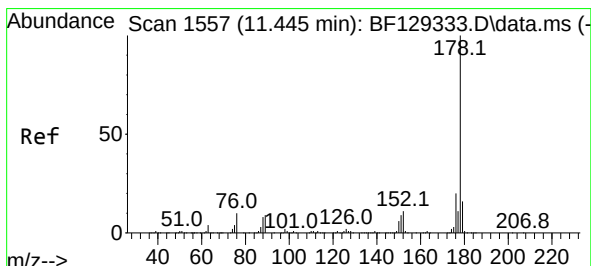
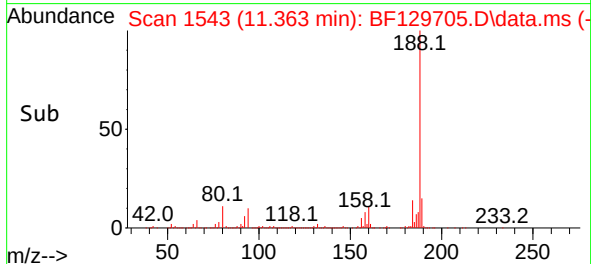
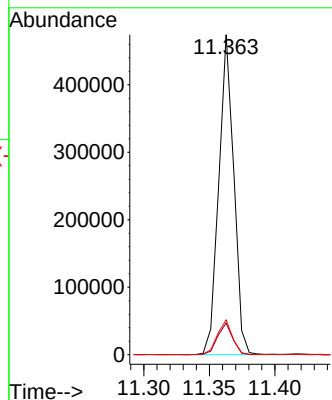
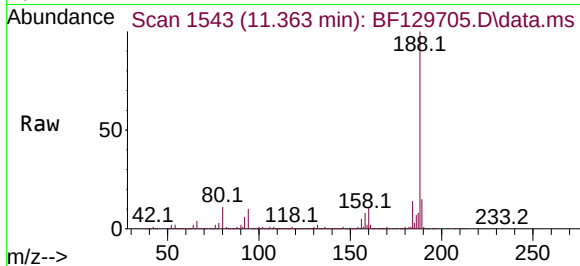




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.018 min
Lab File: BF129705.D
Acq: 10 Aug 2022 20:25

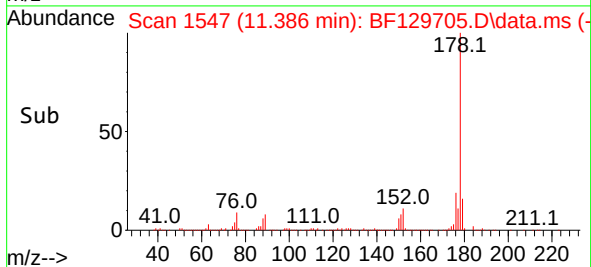
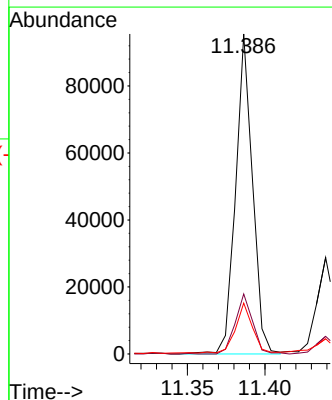
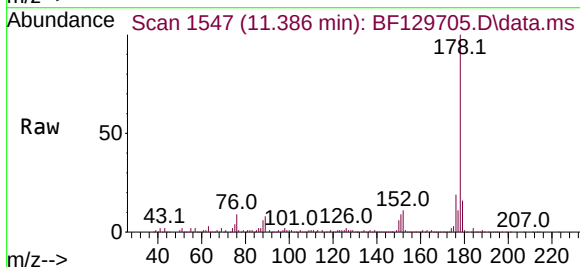
Instrument :
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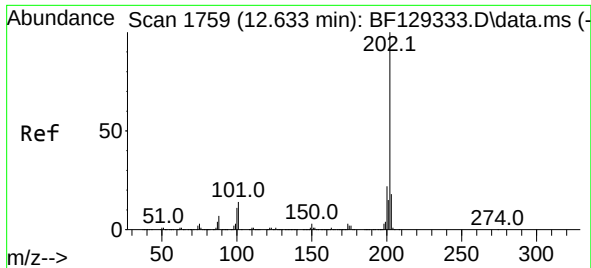
Tgt Ion:188 Resp: 377365
Ion Ratio Lower Upper
188 100
94 9.9 7.0 10.6
80 10.9 7.6 11.4



#71
Phenanthrene
Concen: 3.516 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.024 min
Lab File: BF129705.D
Acq: 10 Aug 2022 20:25

Tgt Ion:178 Resp: 72419
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 15.9 12.6 19.0

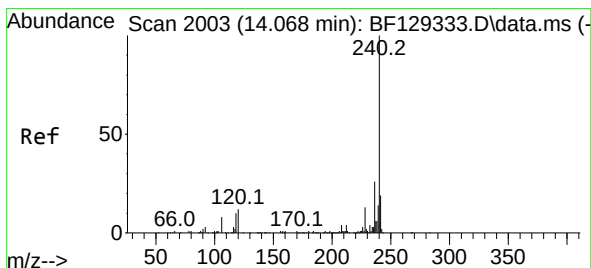
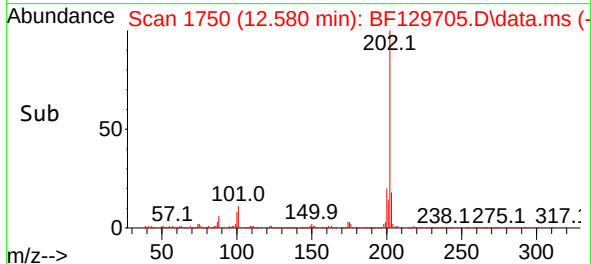
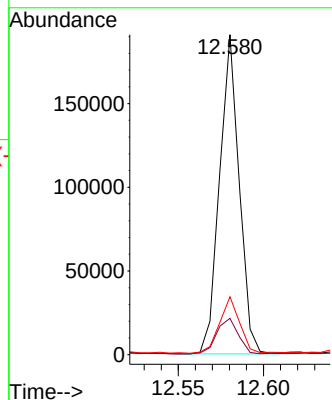
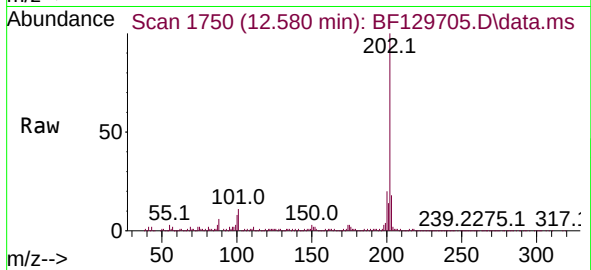




#75
Fluoranthene
Concen: 7.340 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129705.D
Acq: 10 Aug 2022 20:25

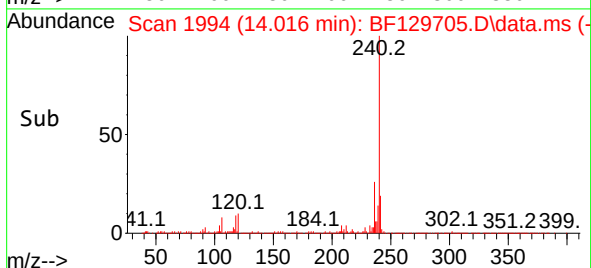
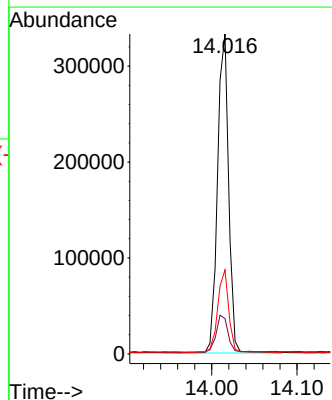
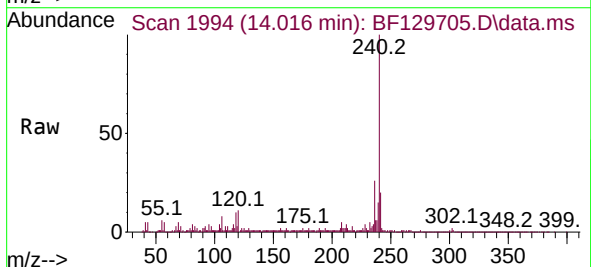
Instrument :
BNA_F
ClientSampleId :
OR-03-080922

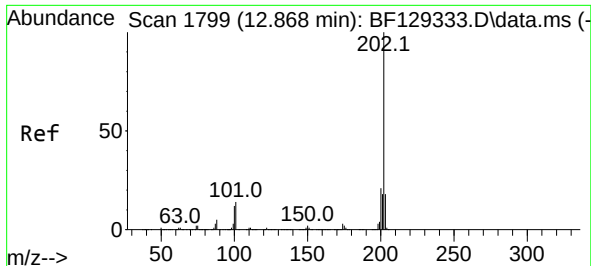
Tgt Ion:202 Resp: 153194
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.4
203 18.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129705.D
Acq: 10 Aug 2022 20:25

Tgt Ion:240 Resp: 300976
Ion Ratio Lower Upper
240 100
120 11.0 8.9 13.3
236 26.3 20.8 31.2

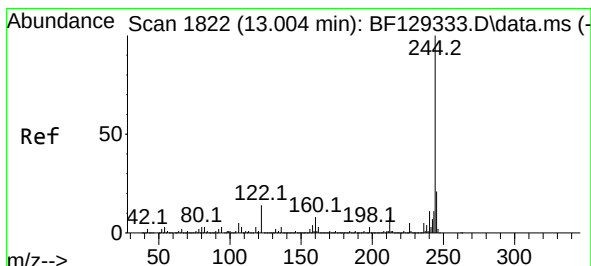
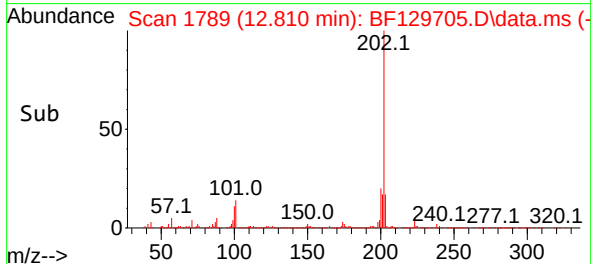
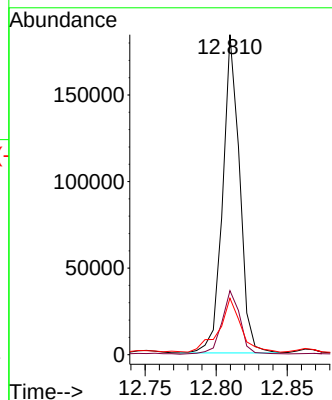
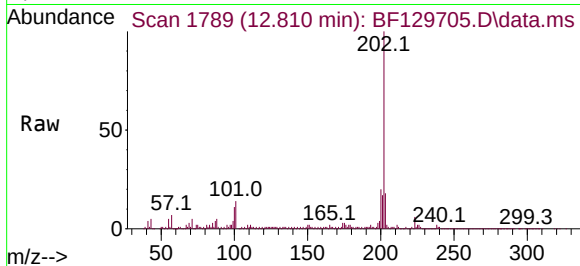




#78
Pyrene
Concen: 6.027 ng
RT: 12.810 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129705.D
Acq: 10 Aug 2022 20:25

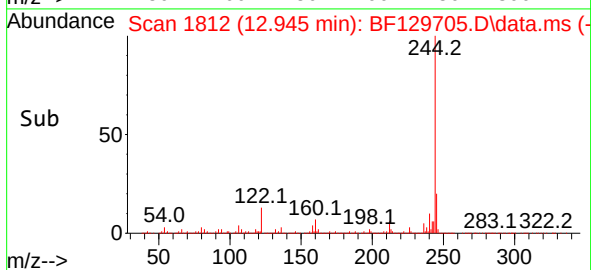
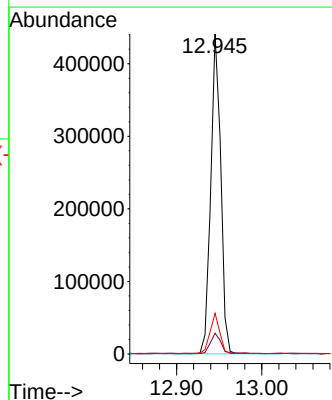
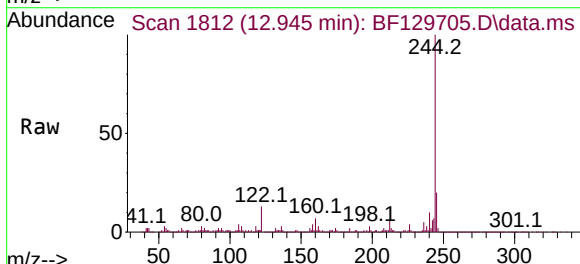
Instrument :
BNA_F
ClientSampleId :
OR-03-080922

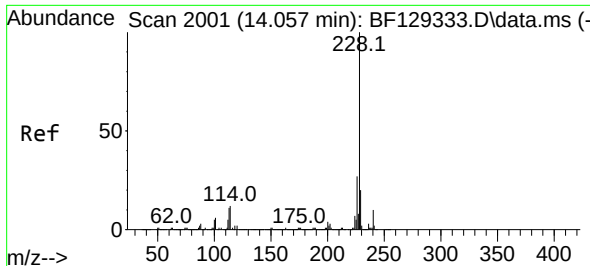
Tgt Ion:202 Resp: 151680
Ion Ratio Lower Upper
202 100
200 20.0 17.7 26.5
203 17.7 14.6 21.8



#79
Terphenyl-d14
Concen: 22.473 ng
RT: 12.945 min Scan# 1812
Delta R.T. -0.024 min
Lab File: BF129705.D
Acq: 10 Aug 2022 20:25

Tgt Ion:244 Resp: 358526
Ion Ratio Lower Upper
244 100
212 6.5 6.1 9.1
122 12.7 8.8 13.2

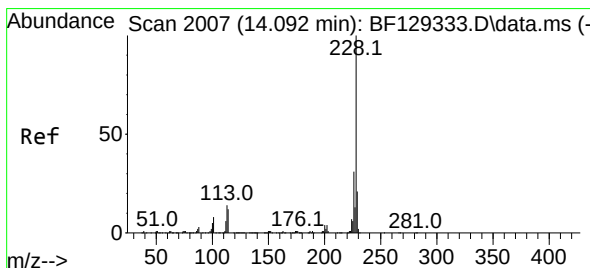
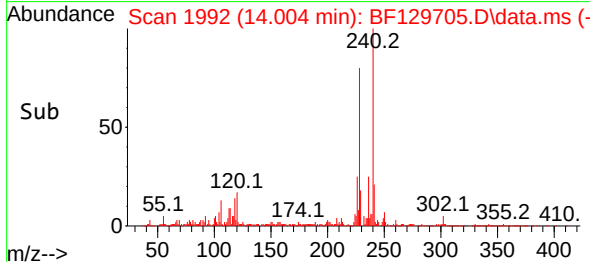
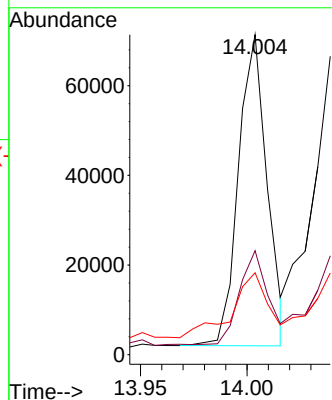
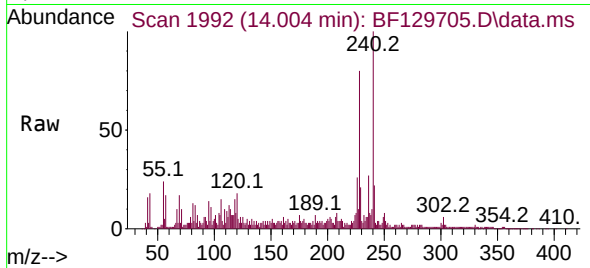




#81
Benzo(a)anthracene
Concen: 3.157 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF129705.D
Acq: 10 Aug 2022 20:25

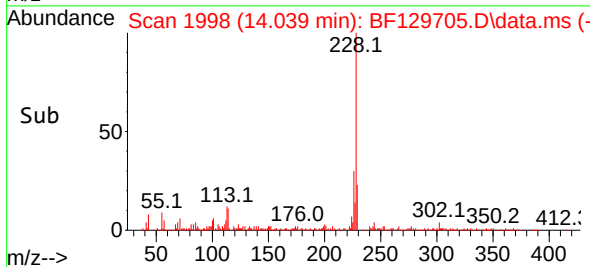
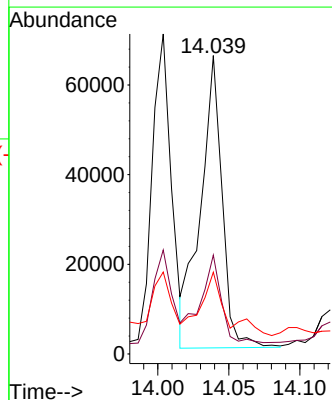
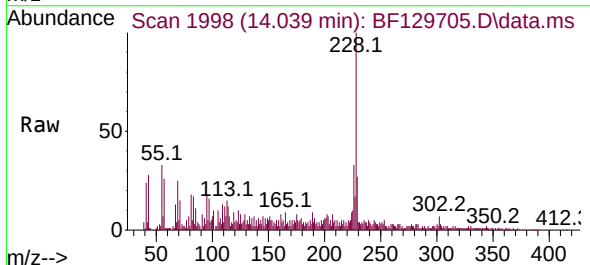
Instrument :
BNA_F
ClientSampleId :
OR-03-080922

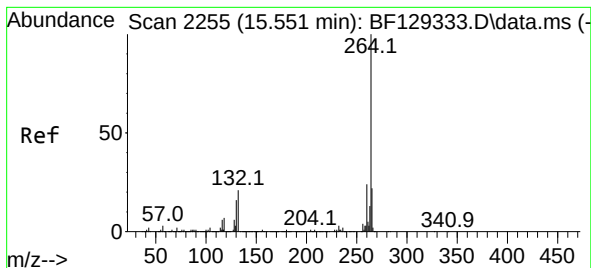
Tgt Ion:228 Resp: 64915
Ion Ratio Lower Upper
228 100
226 32.5 22.1 33.1
229 25.6 15.8 23.8#



#83
Chrysene
Concen: 3.578 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129705.D
Acq: 10 Aug 2022 20:25

Tgt Ion:228 Resp: 69336
Ion Ratio Lower Upper
228 100
226 33.2 24.3 36.5
229 27.4 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129705.D

Acq: 10 Aug 2022 20:25

Instrument :

BNA_F

ClientSampleId :

OR-03-080922

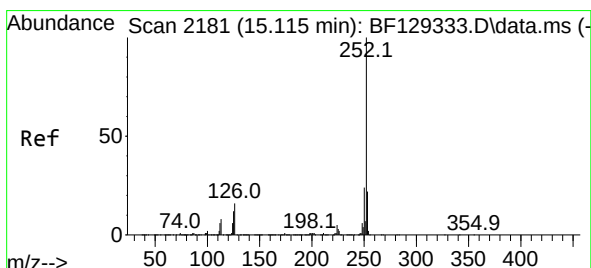
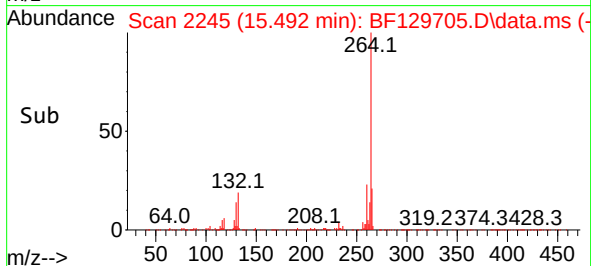
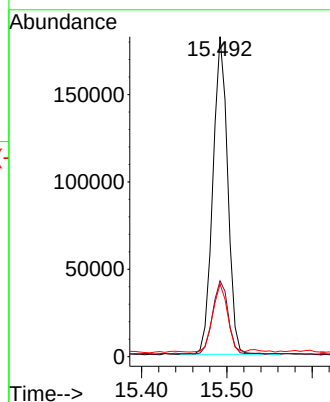
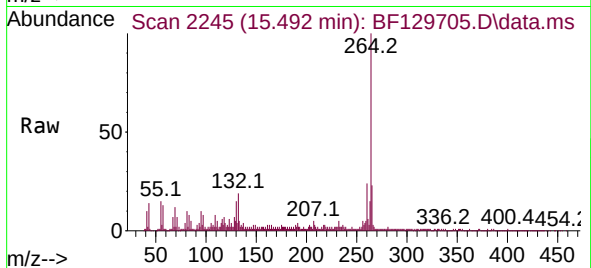
Tgt Ion:264 Resp: 219662

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 22.7 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 6.392 ng

RT: 15.063 min Scan# 2172

Delta R.T. -0.006 min

Lab File: BF129705.D

Acq: 10 Aug 2022 20:25

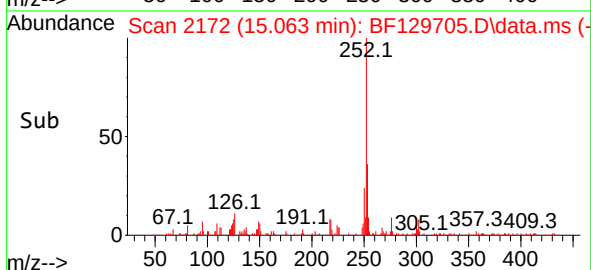
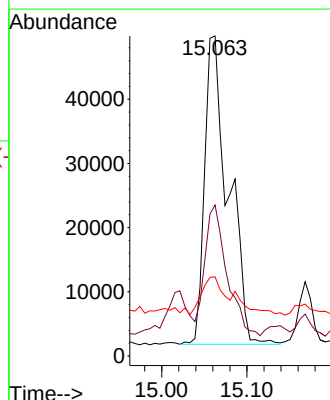
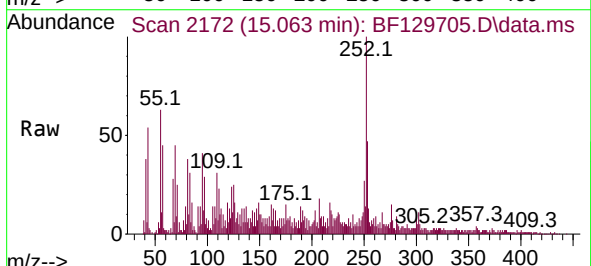
Tgt Ion:252 Resp: 93132

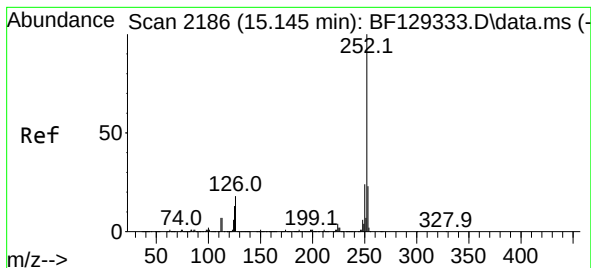
Ion Ratio Lower Upper

252 100

253 47.1 17.7 26.5#

125 24.7 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 6.522 ng

RT: 15.063 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF129705.D

Acq: 10 Aug 2022 20:25

Instrument :

BNA_F

ClientSampleId :

OR-03-080922

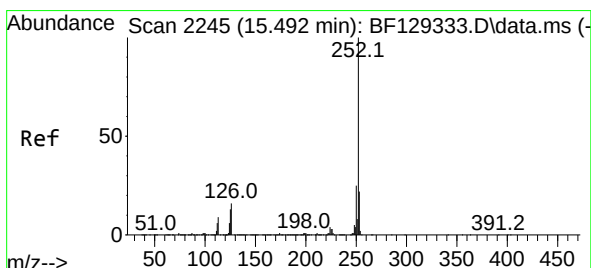
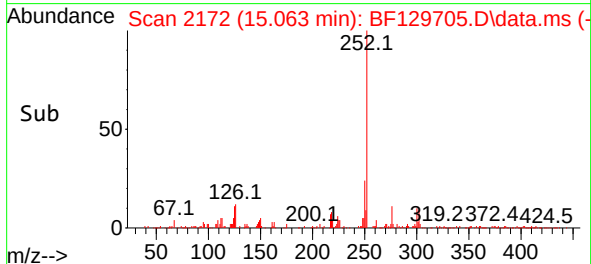
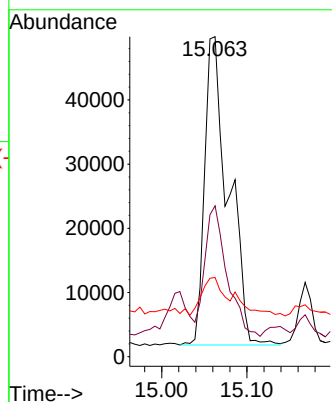
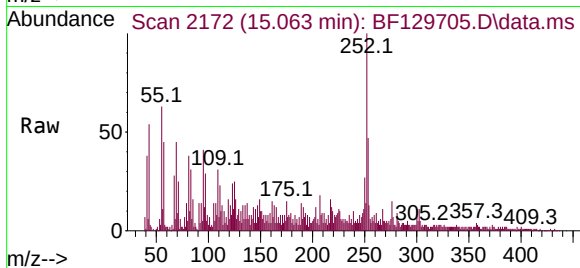
Tgt Ion:252 Resp: 93132

Ion Ratio Lower Upper

252 100

253 47.1 17.8 26.6#

125 24.7 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 4.039 ng

RT: 15.427 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF129705.D

Acq: 10 Aug 2022 20:25

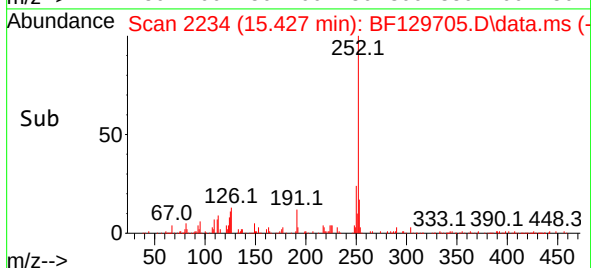
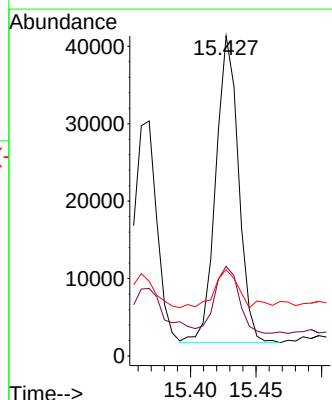
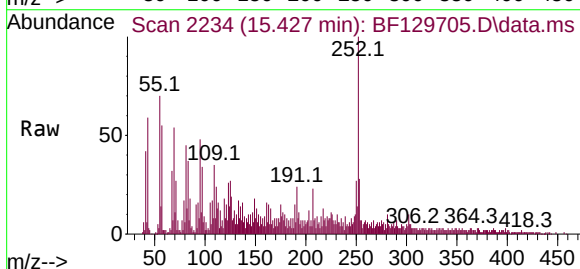
Tgt Ion:252 Resp: 47770

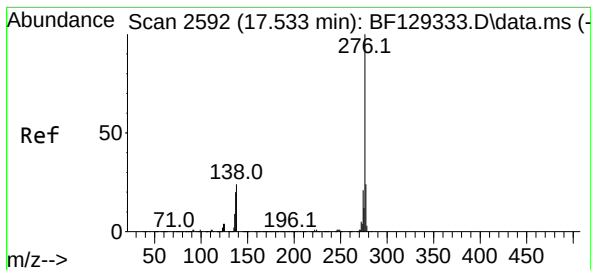
Ion Ratio Lower Upper

252 100

253 28.0 17.0 25.6#

125 27.0 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.440 ng

RT: 17.427 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF129705.D

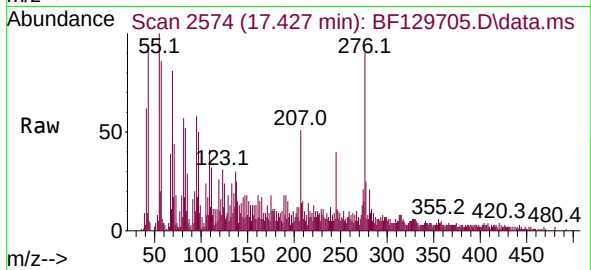
Acq: 10 Aug 2022 20:25

Instrument :

BNA_F

ClientSampleId :

OR-03-080922



Tgt Ion:276 Resp: 30024

Ion Ratio Lower Upper

276 100

277 28.0 19.1 28.7

138 28.3 18.0 27.0#

