

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
 Data File : BF129244.D
 Acq On : 15 Jul 2022 18:16
 Operator : CG\JU
 Sample : N3731-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jul 16 01:42:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 12:55:49 2022
 Response via : Initial Calibration

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

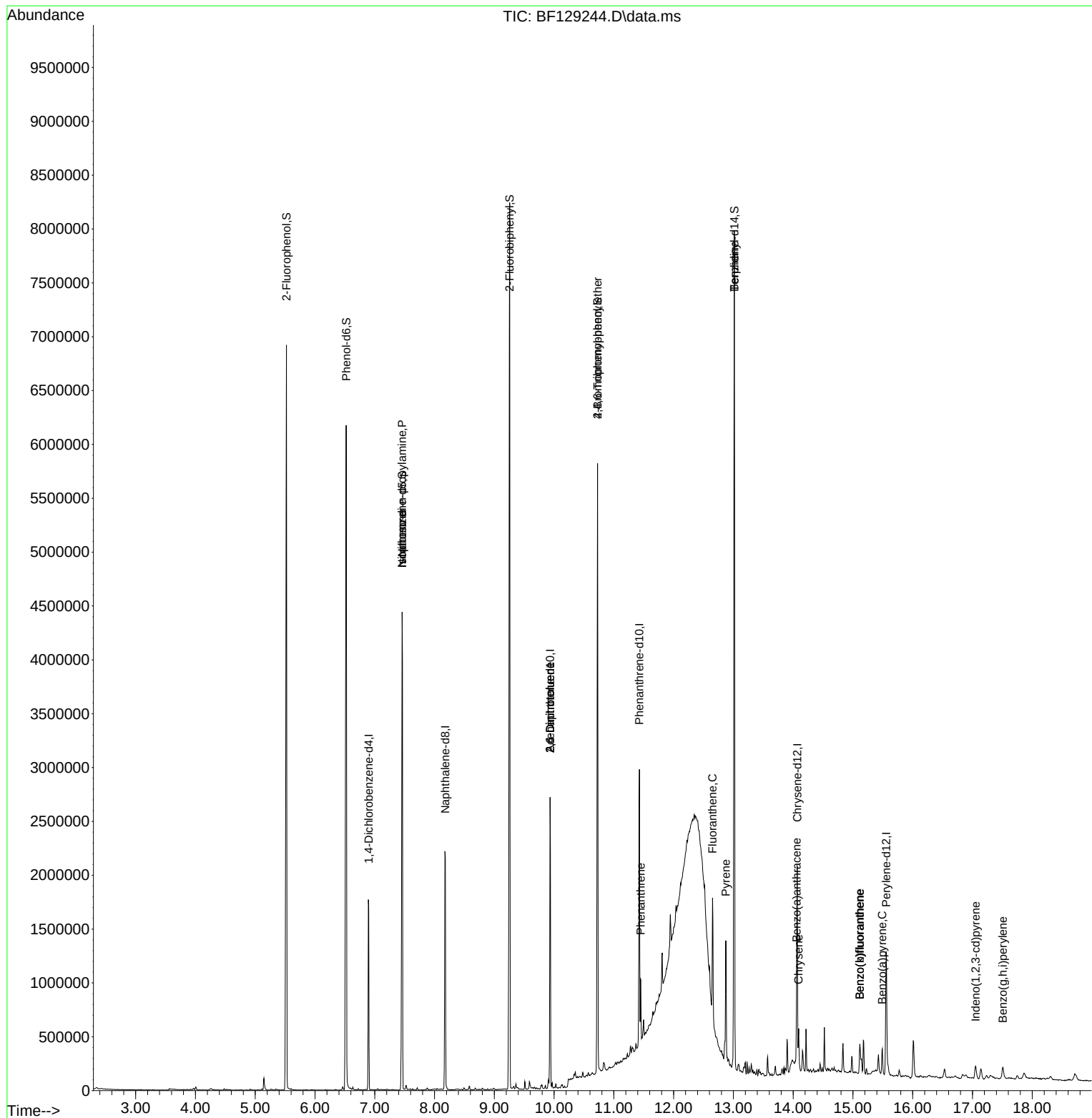
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	260254	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	1052817	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	551161	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	930313	20.000	ng	# 0.00
76) Chrysene-d12	14.068	240	535322	20.000	ng	0.00
86) Perylene-d12	15.557	264	460613	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1973077	121.078	ng	0.00
7) Phenol-d6	6.522	99	2575631	122.205	ng	0.00
23) Nitrobenzene-d5	7.457	82	1624229	82.467	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	642109	125.517	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2711014	83.333	ng	0.00
79) Terphenyl-d14	13.016	244	2747970	96.028	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	220194	17.762	ng	# 75
25) Isophorone	7.457	82	1621262	48.978	ng	# 65
51) 2,6-Dinitrotoluene	9.933	165	73036	9.437	ng	# 25
57) 2,4-Dinitrotoluene	9.933	165	73036	7.196	ng	# 21
67) 4-Bromophenyl-phenylether	10.727	248	40842	4.170	ng	# 1
71) Phenanthrene	11.451	178	216876	4.592	ng	98
75) Fluoranthene	12.651	202	428158	9.102	ng	96
77) Benzidine	13.016	184	41453	2.766	ng	# 96
78) Pyrene	12.874	202	381476	8.798	ng	98
81) Benzo(a)anthracene	14.057	228	155017	4.591	ng	98
83) Chrysene	14.092	228	128189	3.977	ng	96
87) Indeno(1,2,3-cd)pyrene	17.051	276	77595	2.702	ng	99
88) Benzo(b)fluoranthene	15.115	252	203747	7.200	ng	# 97
89) Benzo(k)fluoranthene	15.115	252	203747	7.370	ng	# 98
90) Benzo(a)pyrene	15.492	252	114804	4.984	ng	# 97
92) Benzo(g,h,i)perylene	17.509	276	84463	3.557	ng	95

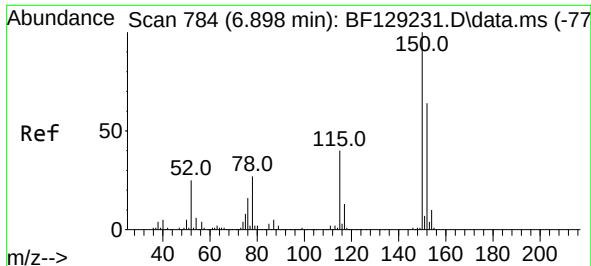
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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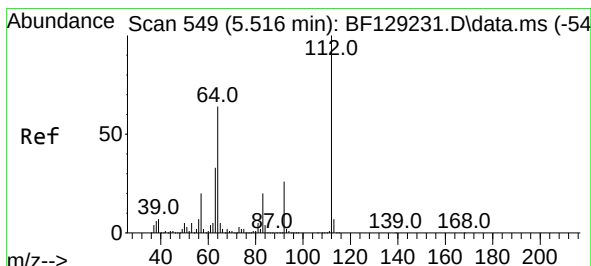
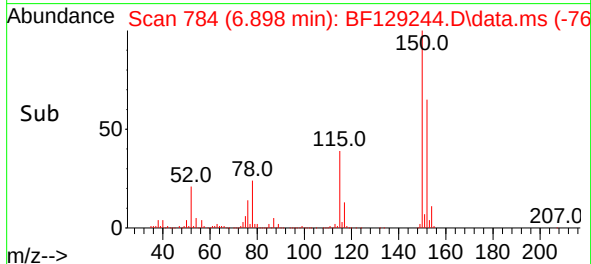
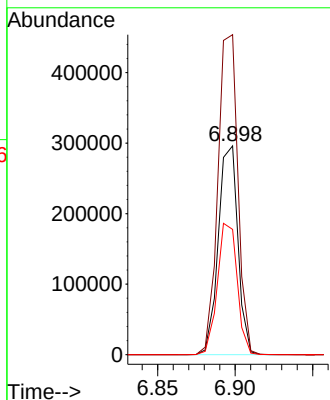
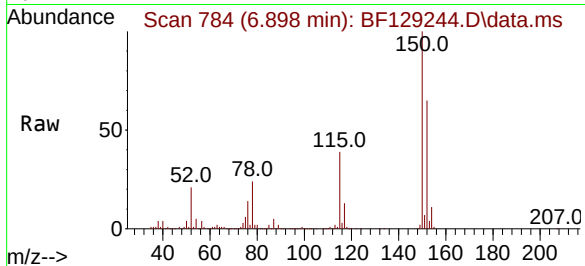




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF129244.D
 Acq: 15 Jul 2022 18:16

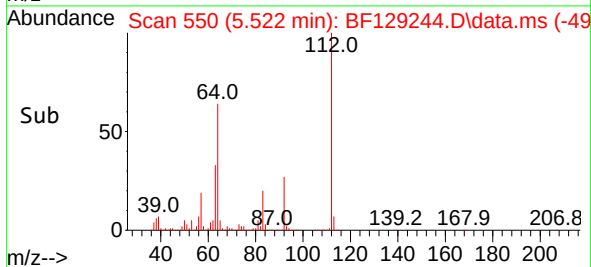
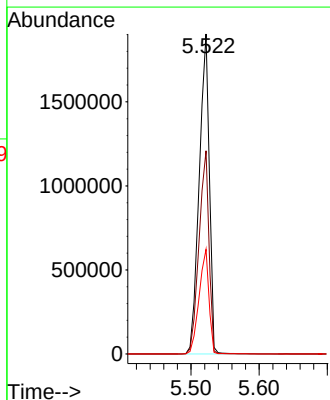
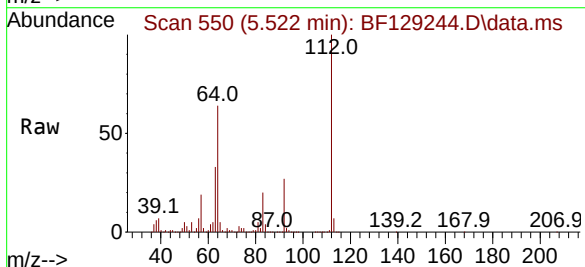
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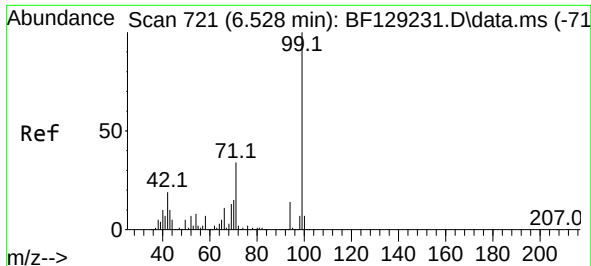
Tgt Ion:152 Resp: 260254
 Ion Ratio Lower Upper
 152 100
 150 153.3 123.7 185.5
 115 60.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 121.078 ng
 RT: 5.522 min Scan# 550
 Delta R.T. 0.006 min
 Lab File: BF129244.D
 Acq: 15 Jul 2022 18:16

Tgt Ion:112 Resp: 1973077
 Ion Ratio Lower Upper
 112 100
 64 63.5 53.3 79.9
 63 32.7 28.0 42.0

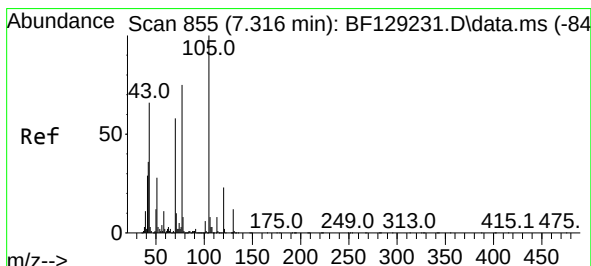
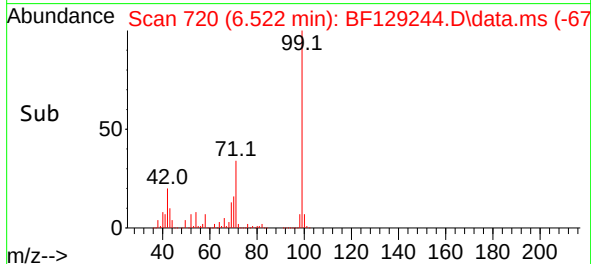
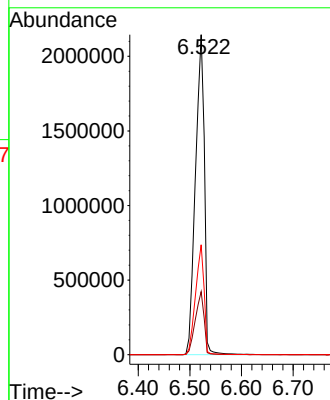
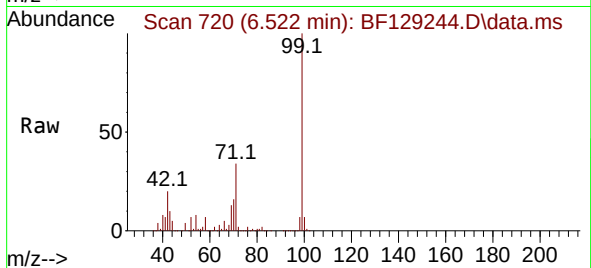




#7
Phenol-d6
Concen: 122.205 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

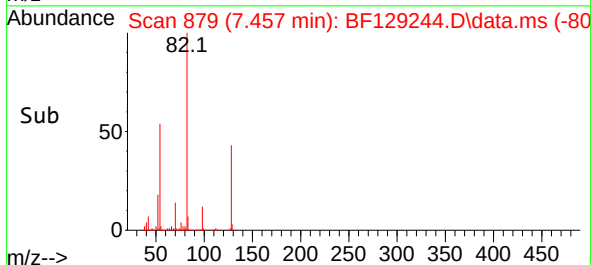
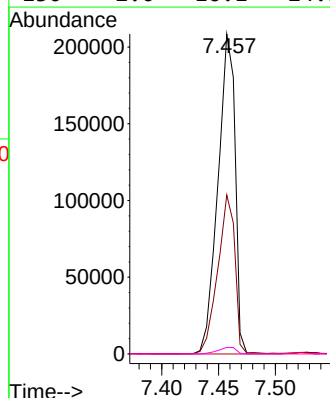
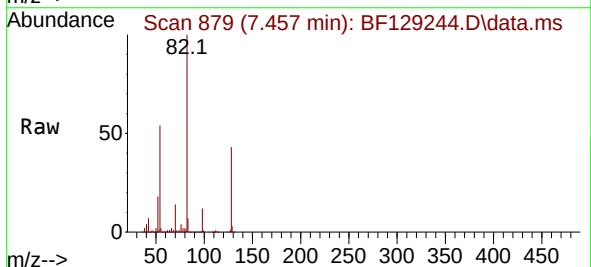
Instrument :
BNA_F
ClientSampleId :
TP-1

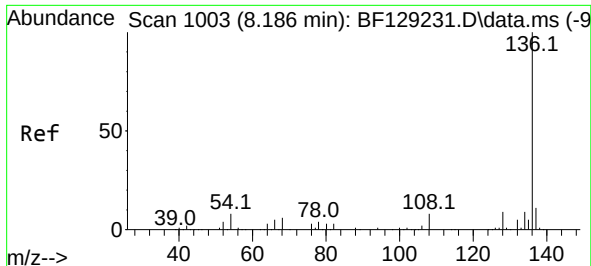
Tgt Ion: 99 Resp: 2575631
Ion Ratio Lower Upper
99 100
42 19.7 17.3 25.9
71 34.3 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.762 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.141 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

Tgt Ion: 70 Resp: 220194
Ion Ratio Lower Upper
70 100
42 49.7 52.3 78.5#
101 0.0 7.5 11.3#
130 2.0 16.1 24.1#

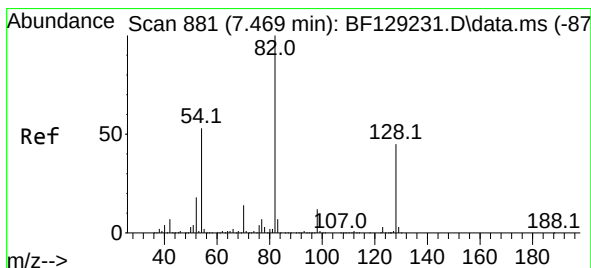
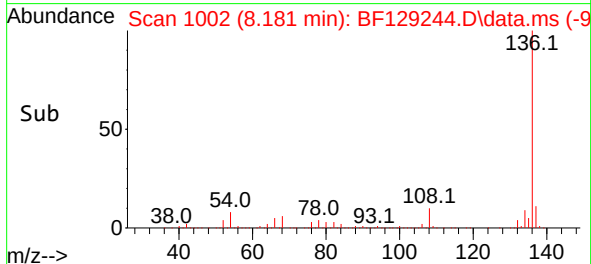
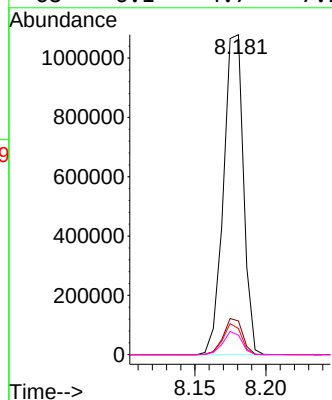
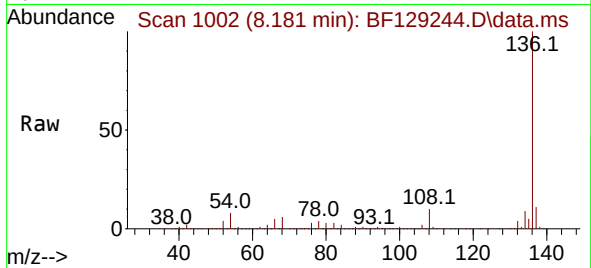




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

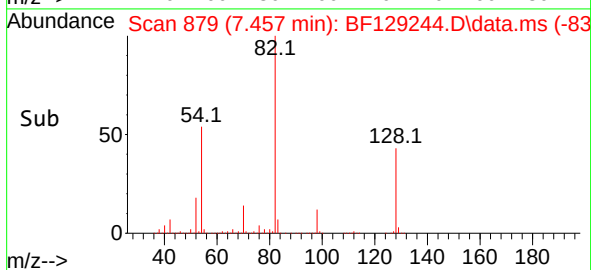
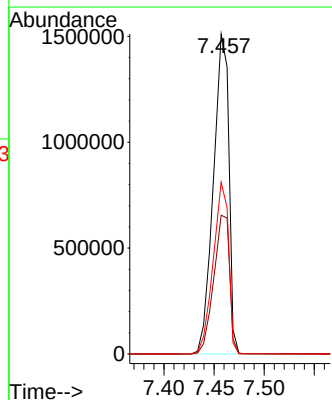
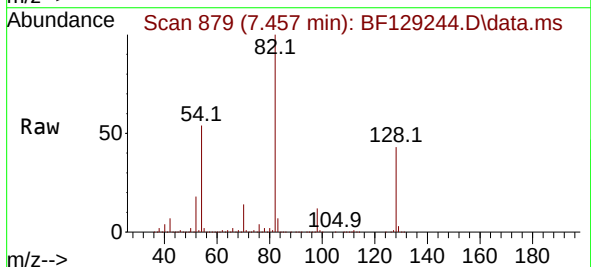
Instrument :
BNA_F
ClientSampleId :
TP-1

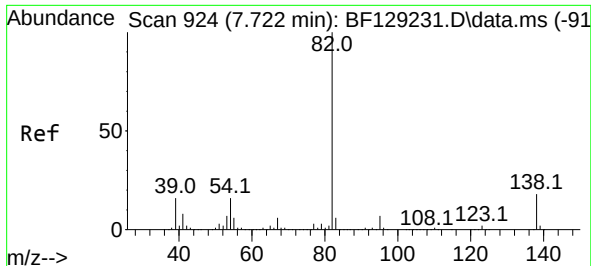
Tgt Ion:136 Resp: 1052817
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.2 7.5 11.3
68 6.1 4.7 7.1



#23
Nitrobenzene-d5
Concen: 82.467 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

Tgt Ion: 82 Resp: 1624229
Ion Ratio Lower Upper
82 100
128 43.4 34.0 51.0
54 53.6 46.9 70.3

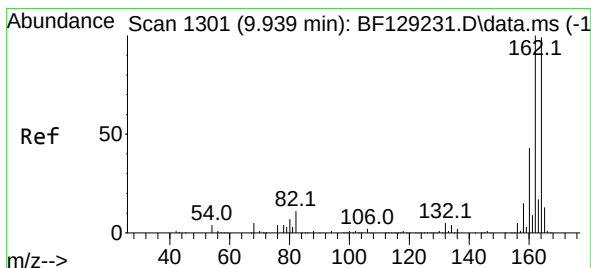
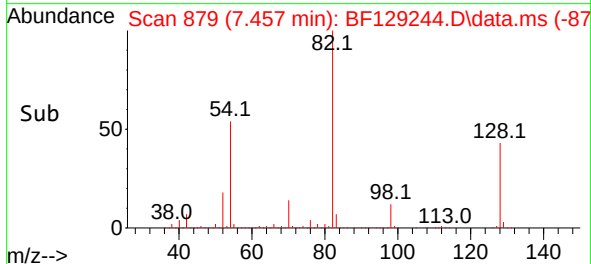
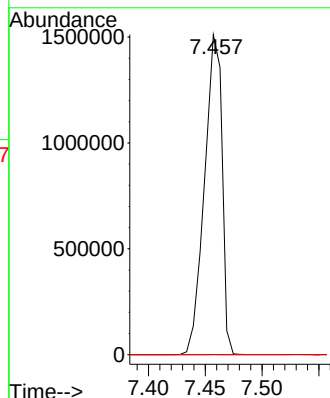
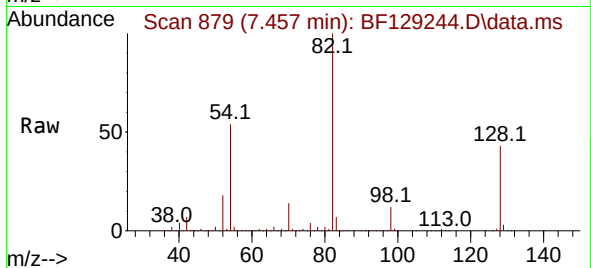




#25
Isophorone
Concen: 48.978 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

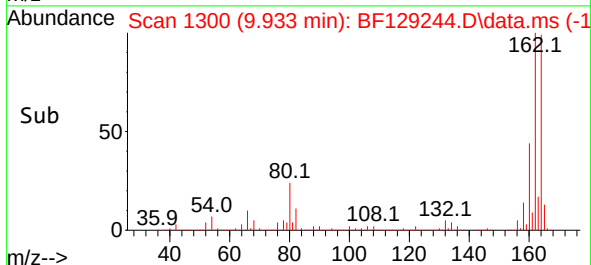
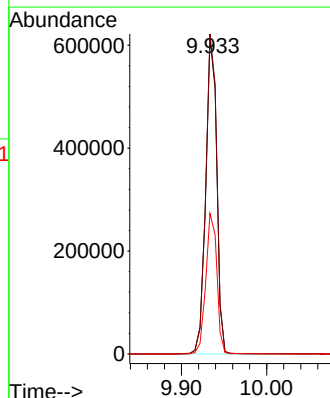
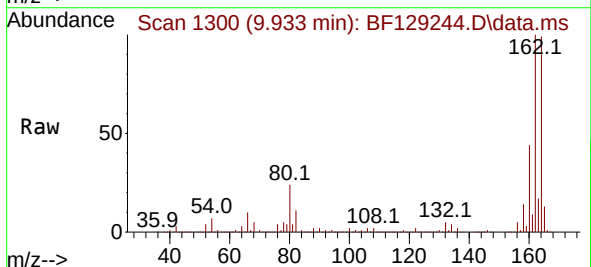
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BNA_F
ClientSampleId :
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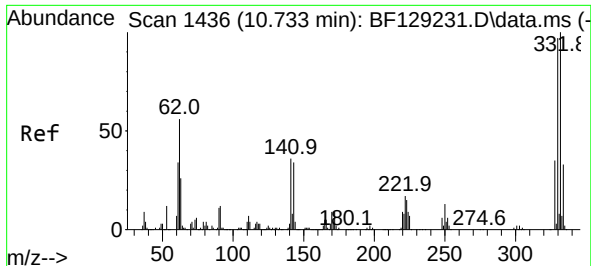
Tgt Ion: 82 Resp: 1621262
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

Tgt Ion:164 Resp: 551161
Ion Ratio Lower Upper
164 100
162 101.3 79.5 119.3
160 44.5 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 125.517 ng

RT: 10.727 min Scan# 1435

Delta R.T. -0.006 min

Lab File: BF129244.D

Acq: 15 Jul 2022 18:16

Instrument :

BNA_F

ClientSampleId :

TP-1

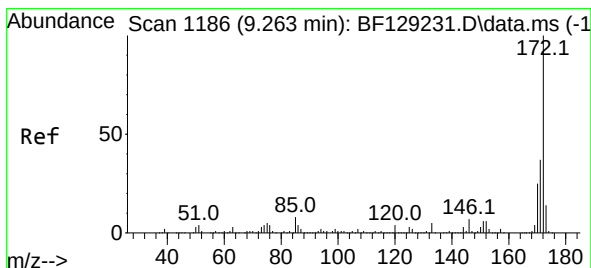
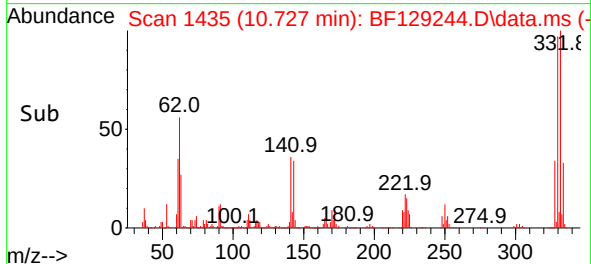
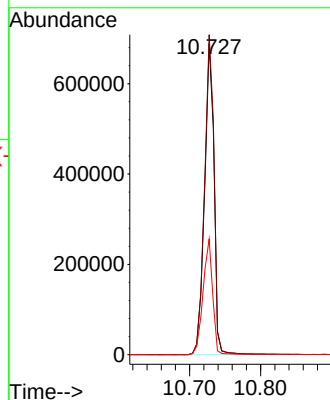
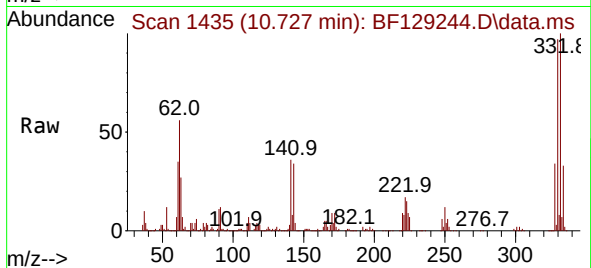
Tgt Ion:330 Resp: 642109

Ion Ratio Lower Upper

330 100

332 103.4 76.8 115.2

141 37.9 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 83.333 ng

RT: 9.257 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF129244.D

Acq: 15 Jul 2022 18:16

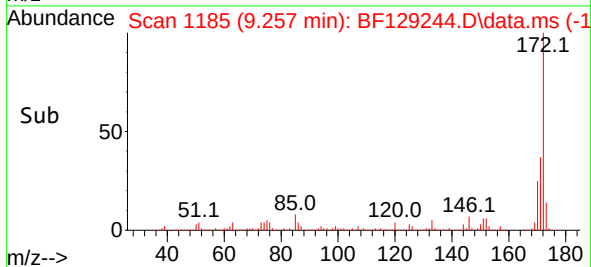
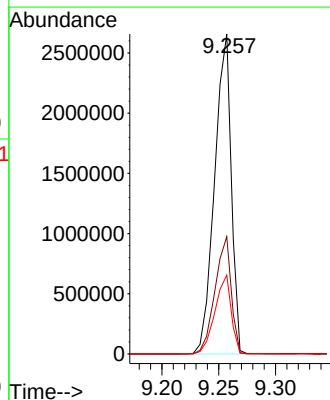
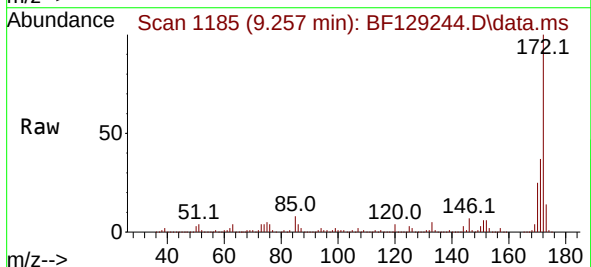
Tgt Ion:172 Resp: 2711014

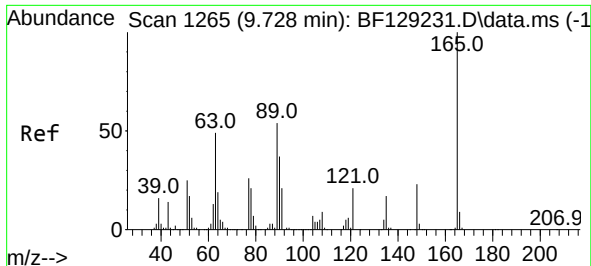
Ion Ratio Lower Upper

172 100

171 36.6 28.8 43.2

170 24.7 19.8 29.8

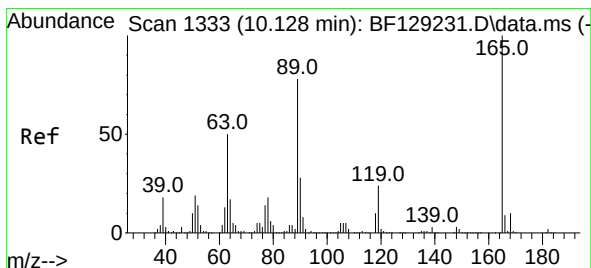
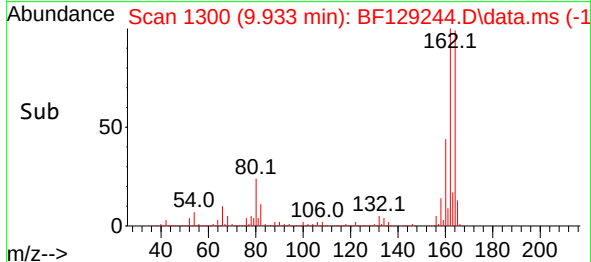
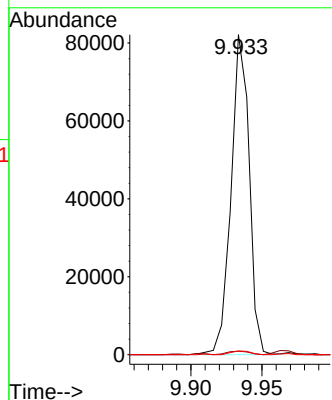
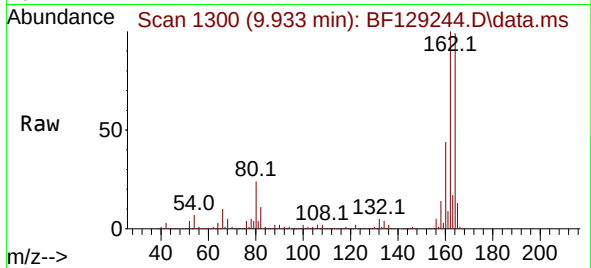




#51
2,6-Dinitrotoluene
Concen: 9.437 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

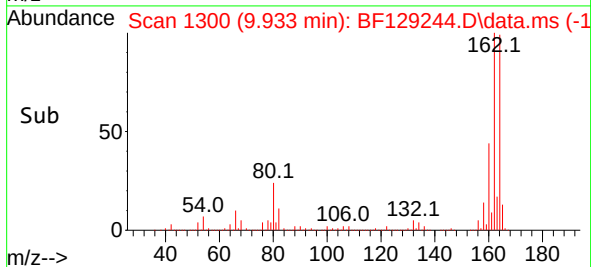
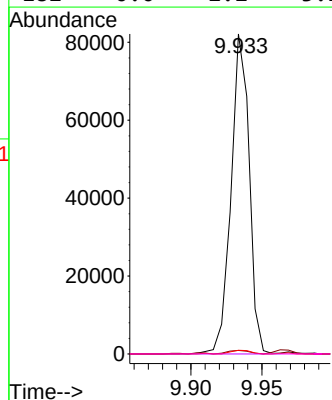
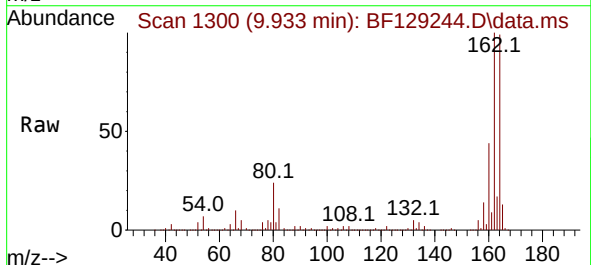
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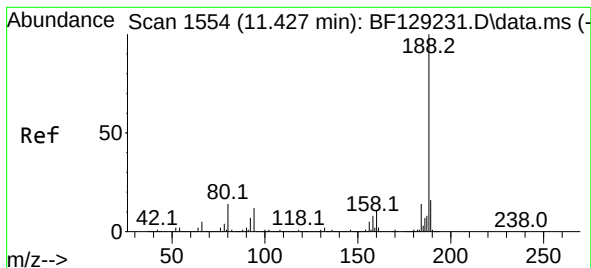
Tgt Ion:165 Resp: 73036
Ion Ratio Lower Upper
165 100
63 1.1 44.9 67.3#
89 1.1 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 7.196 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.194 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

Tgt Ion:165 Resp: 73036
Ion Ratio Lower Upper
165 100
63 1.1 39.8 59.6#
89 1.1 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF129244.D

Acq: 15 Jul 2022 18:16

Instrument :

BNA_F

ClientSampleId :

TP-1

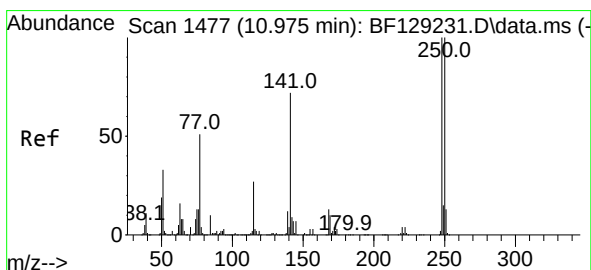
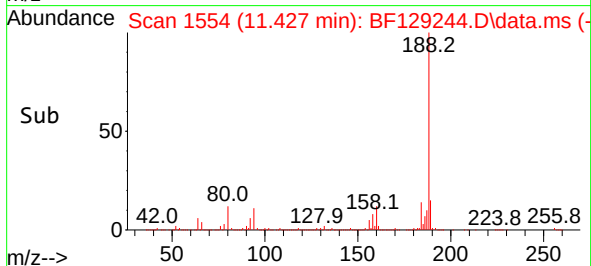
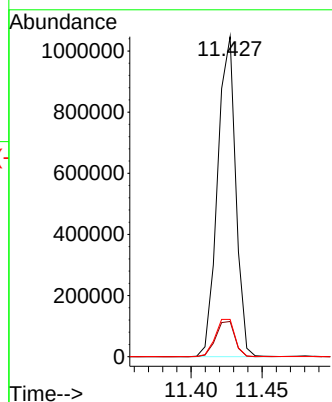
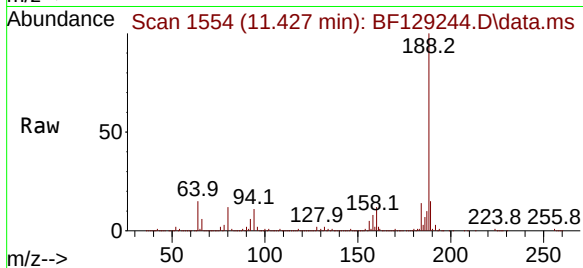
Tgt Ion:188 Resp: 930313

Ion Ratio Lower Upper

188 100

94 11.0 7.0 10.6#

80 11.7 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 4.170 ng

RT: 10.727 min Scan# 1435

Delta R.T. -0.247 min

Lab File: BF129244.D

Acq: 15 Jul 2022 18:16

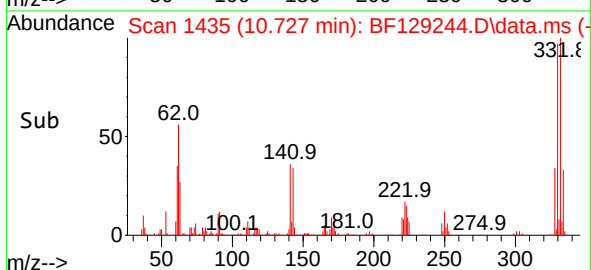
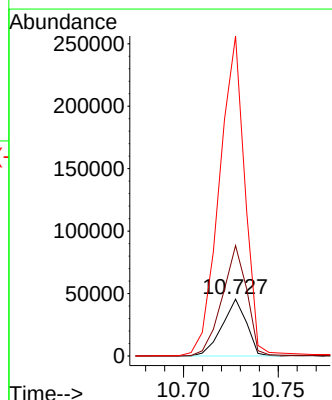
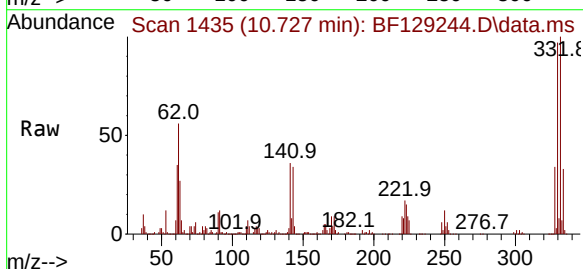
Tgt Ion:248 Resp: 40842

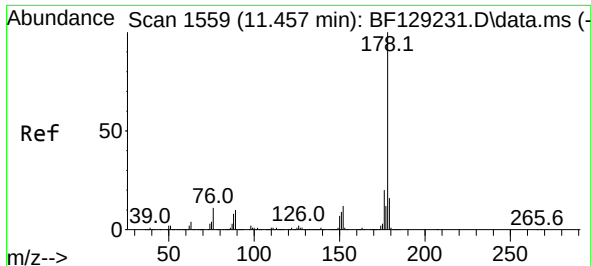
Ion Ratio Lower Upper

248 100

250 194.6 80.6 120.8#

141 564.0 58.9 88.3#

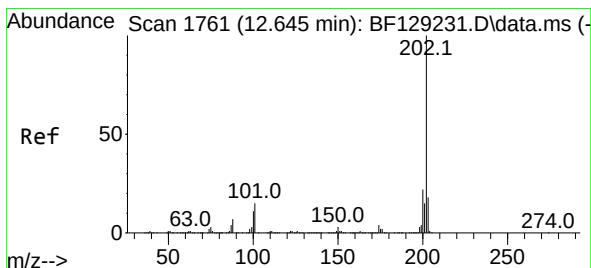
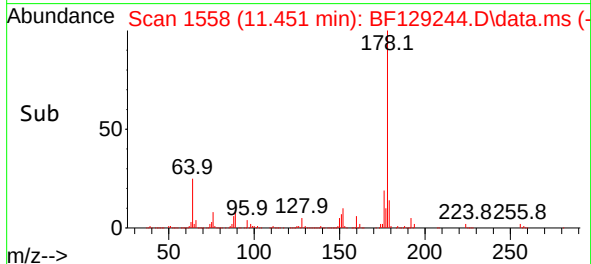
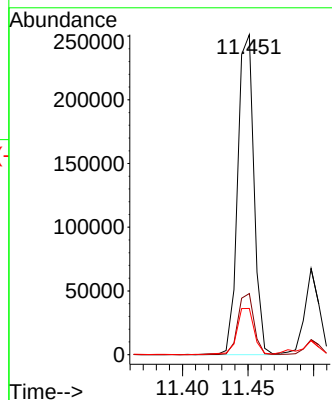
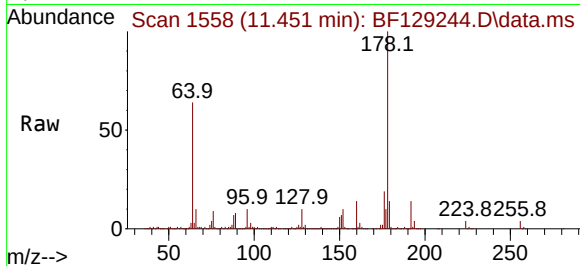




#71
Phenanthrene
Concen: 4.592 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

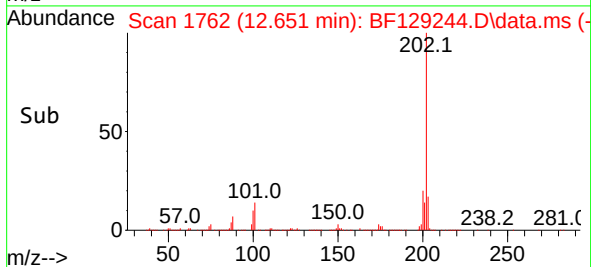
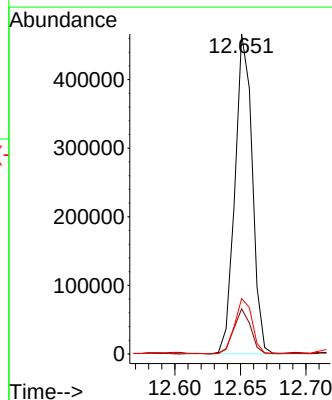
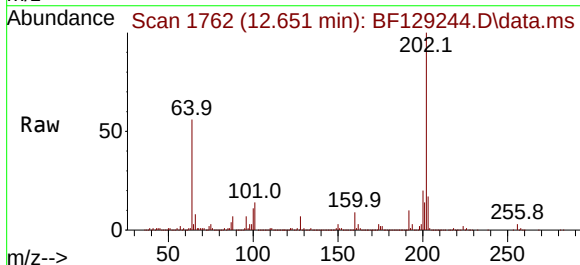
Instrument :
BNA_F
ClientSampleId :
TP-1

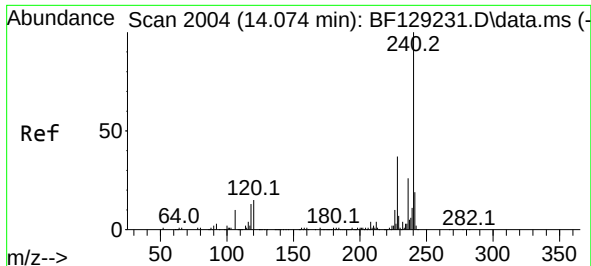
Tgt Ion:178 Resp: 216876
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 14.5 12.6 19.0



#75
Fluoranthene
Concen: 9.102 ng
RT: 12.651 min Scan# 1762
Delta R.T. 0.006 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

Tgt Ion:202 Resp: 428158
Ion Ratio Lower Upper
202 100
101 14.1 0.0 31.4
203 17.3 0.0 38.0

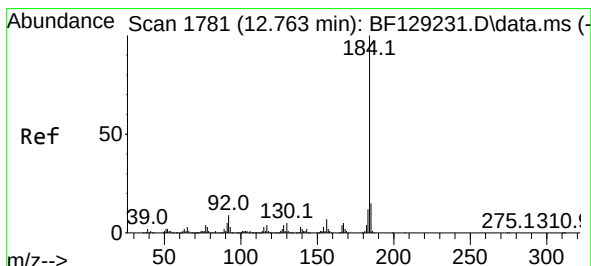
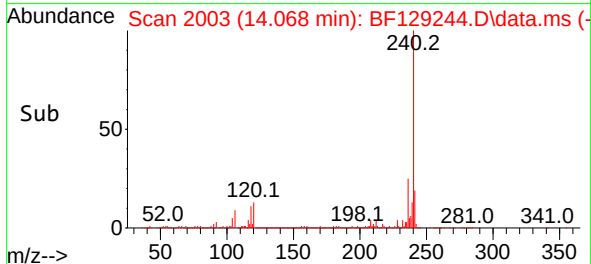
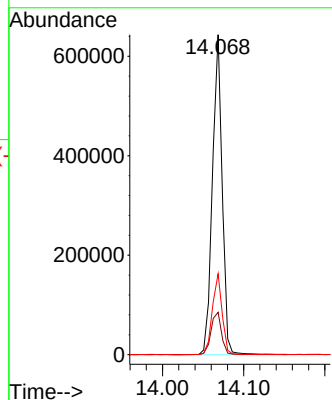
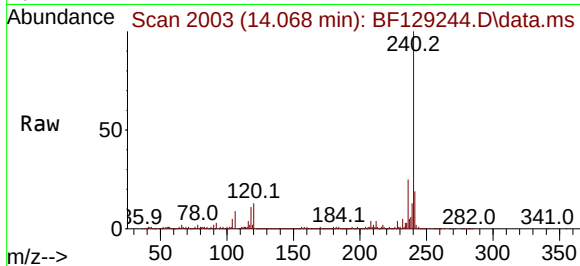




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

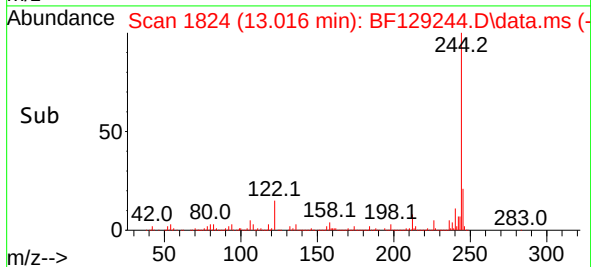
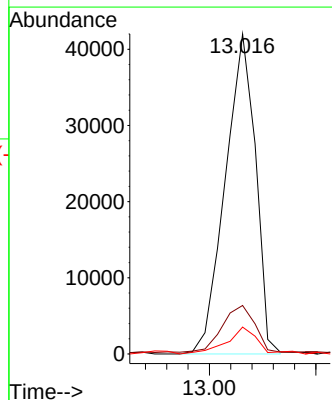
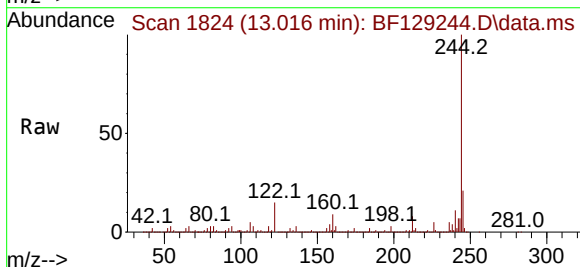
Instrument :
BNA_F
ClientSampleId :
TP-1

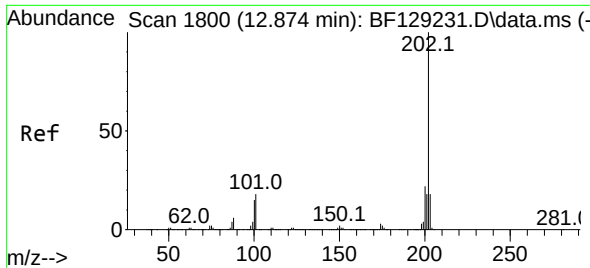
Tgt Ion:240 Resp: 535322
Ion Ratio Lower Upper
240 100
120 13.3 8.9 13.3
236 25.3 20.8 31.2



#77
Benzidine
Concen: 2.766 ng
RT: 13.016 min Scan# 1824
Delta R.T. 0.253 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

Tgt Ion:184 Resp: 41453
Ion Ratio Lower Upper
184 100
185 15.1 11.9 17.9
183 8.4 9.3 13.9#





#78

Pyrene

Concen: 8.798 ng

RT: 12.874 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BF129244.D

Acq: 15 Jul 2022 18:16

Instrument :

BNA_F

ClientSampleId :

TP-1

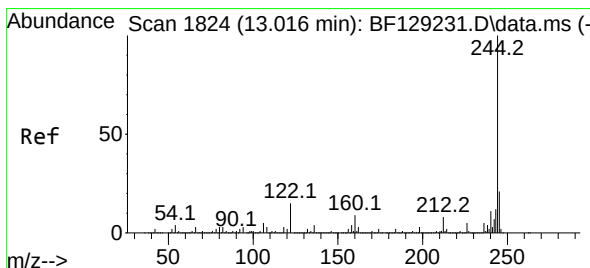
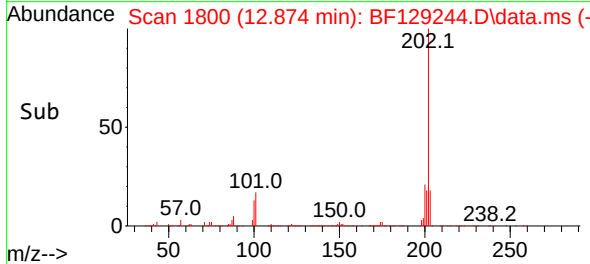
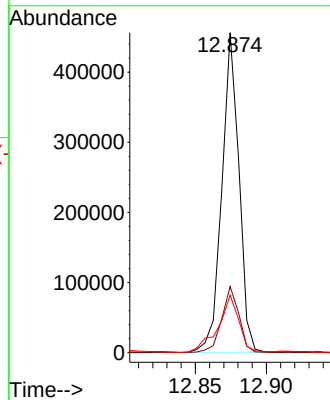
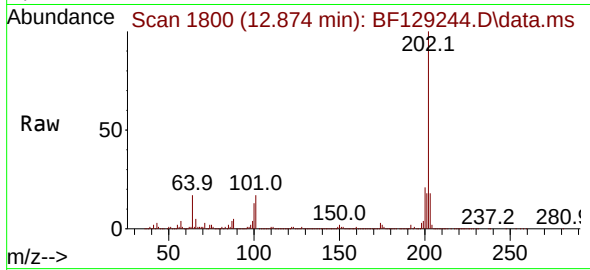
Tgt Ion:202 Resp: 381476

Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

203 17.9 14.6 21.8



#79

Terphenyl-d14

Concen: 96.028 ng

RT: 13.016 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF129244.D

Acq: 15 Jul 2022 18:16

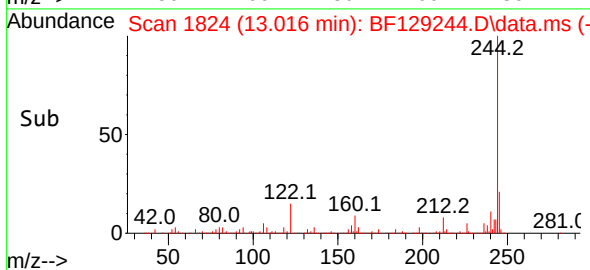
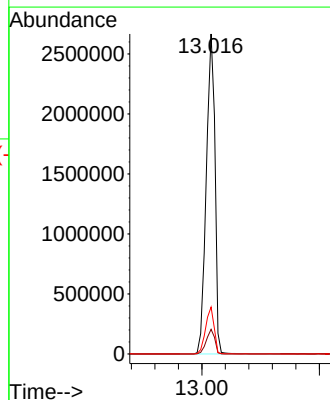
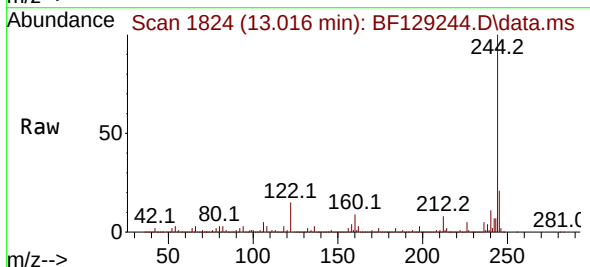
Tgt Ion:244 Resp: 2747970

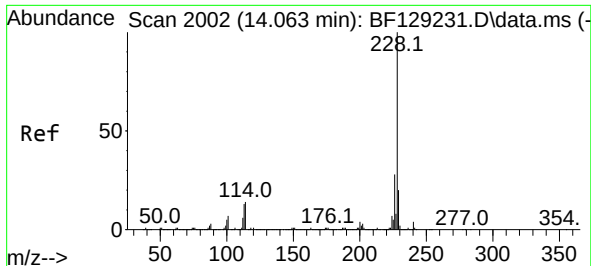
Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

122 14.6 8.8 13.2#

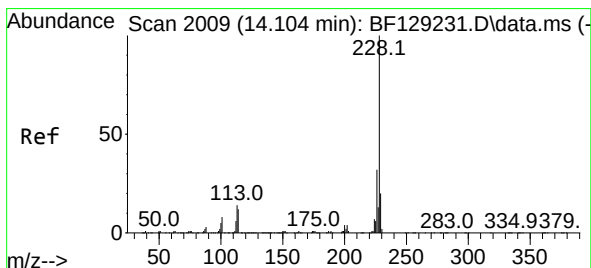
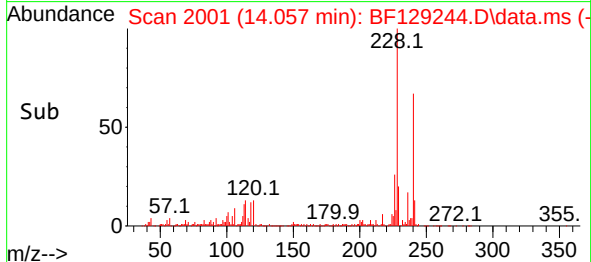
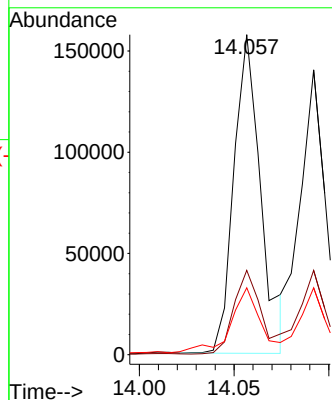
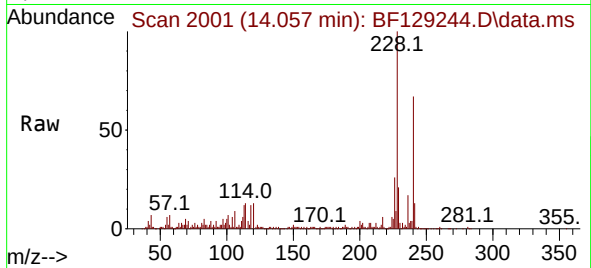




#81
Benzo(a)anthracene
Concen: 4.591 ng
RT: 14.057 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

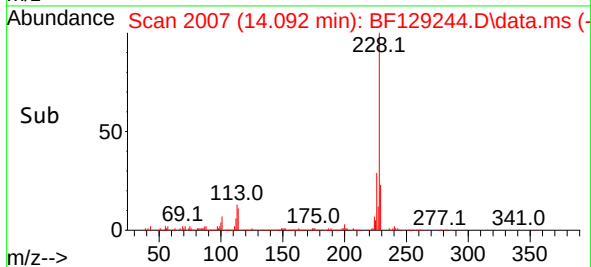
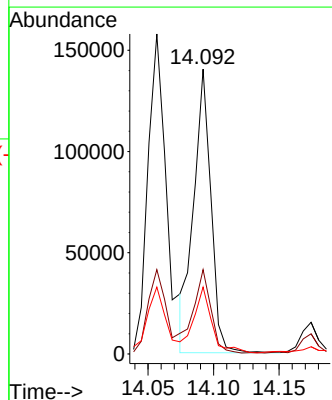
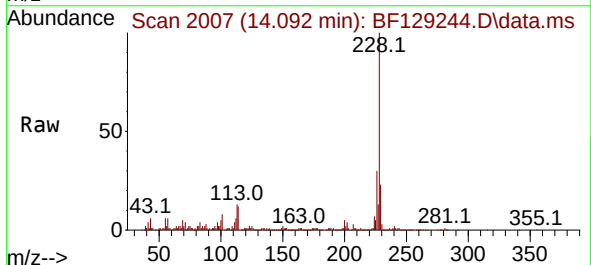
Instrument :
BNA_F
ClientSampleId :
TP-1

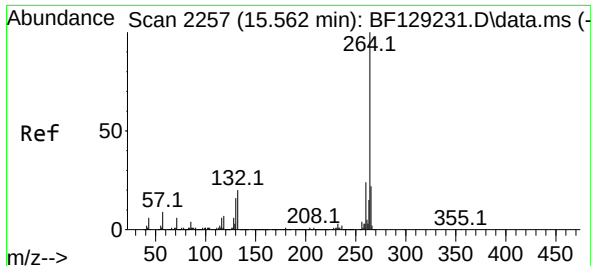
Tgt Ion:228 Resp: 155017
Ion Ratio Lower Upper
228 100
226 26.4 22.1 33.1
229 20.9 15.8 23.8



#83
Chrysene
Concen: 3.977 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

Tgt Ion:228 Resp: 128189
Ion Ratio Lower Upper
228 100
226 29.6 24.3 36.5
229 23.5 15.9 23.9

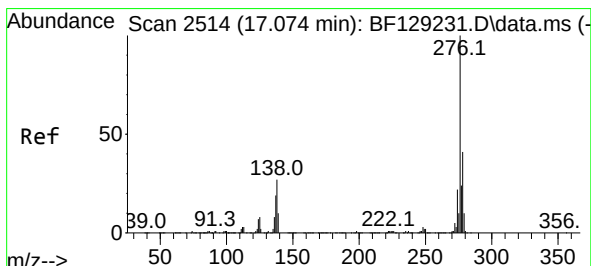
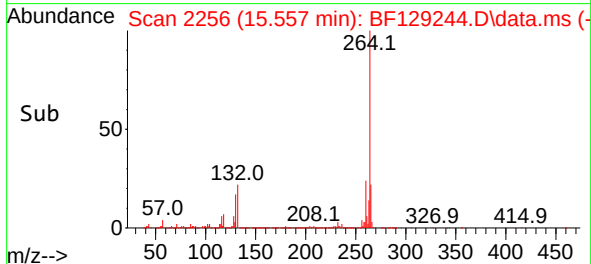
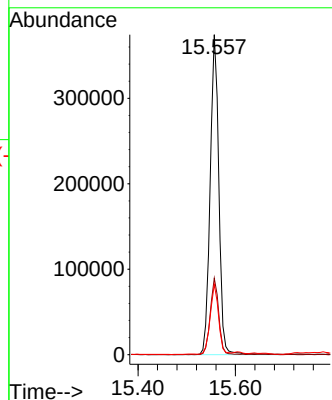
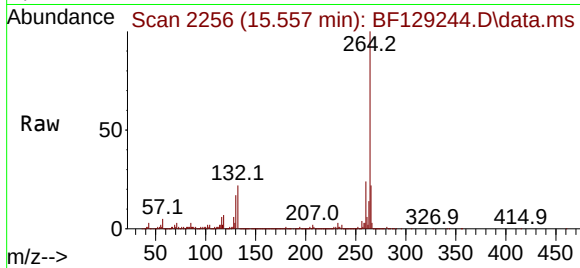




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF129244.D
 Acq: 15 Jul 2022 18:16

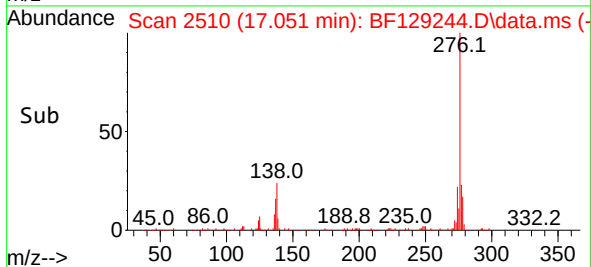
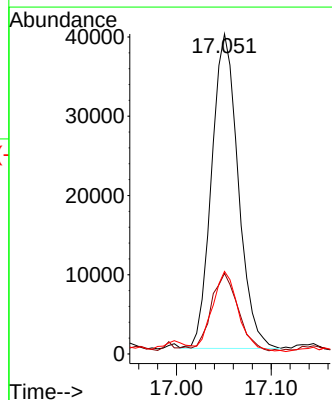
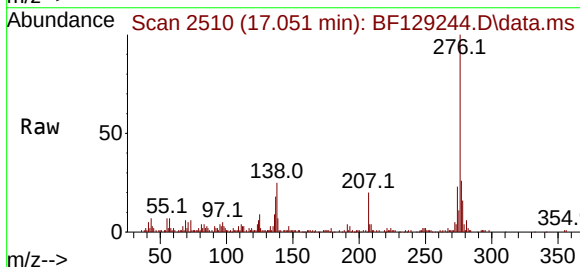
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

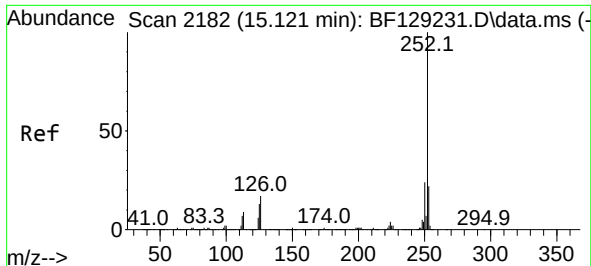
Tgt Ion:264 Resp: 460613
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.4 27.6
 265 22.0 17.2 25.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.702 ng
 RT: 17.051 min Scan# 2510
 Delta R.T. -0.024 min
 Lab File: BF129244.D
 Acq: 15 Jul 2022 18:16

Tgt Ion:276 Resp: 77595
 Ion Ratio Lower Upper
 276 100
 138 25.5 21.1 31.7
 277 25.5 20.3 30.5

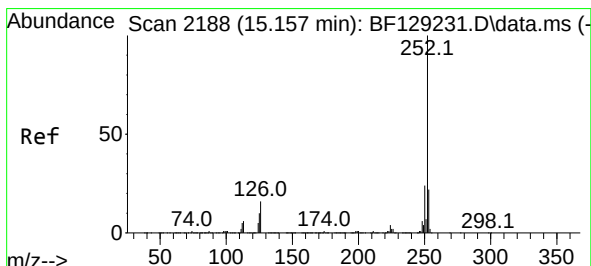
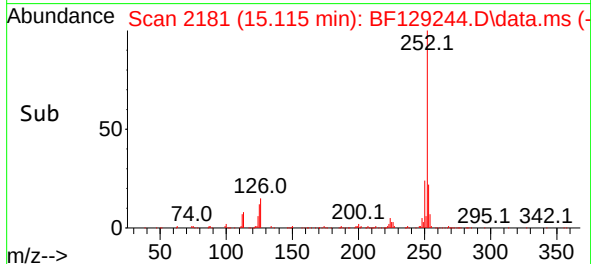
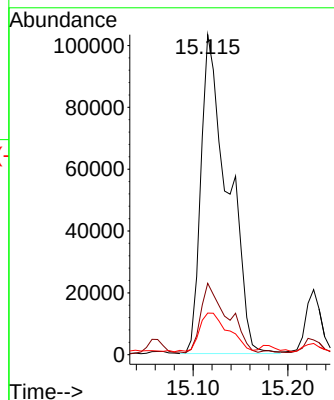
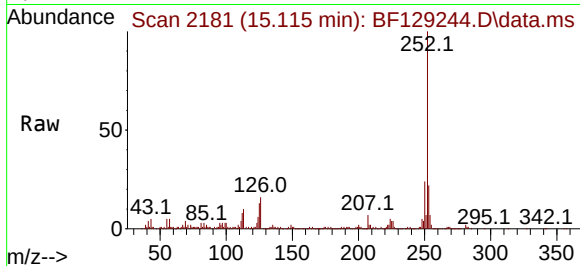




#88
Benzo(b)fluoranthene
Concen: 7.200 ng
RT: 15.115 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

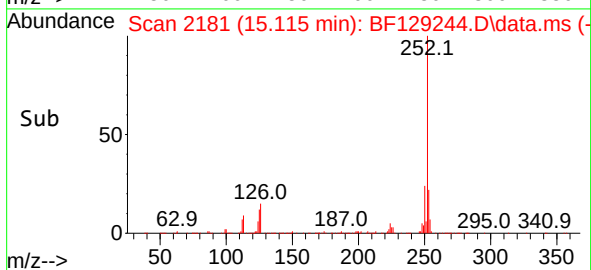
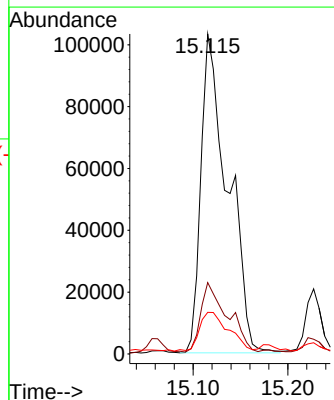
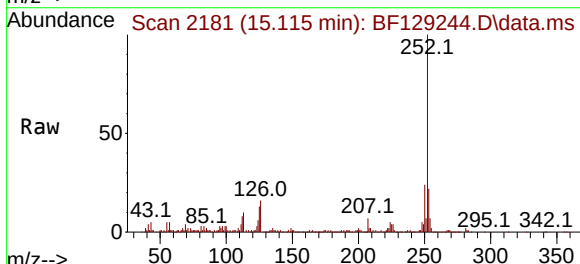
Instrument :
BNA_F
ClientSampleId :
TP-1

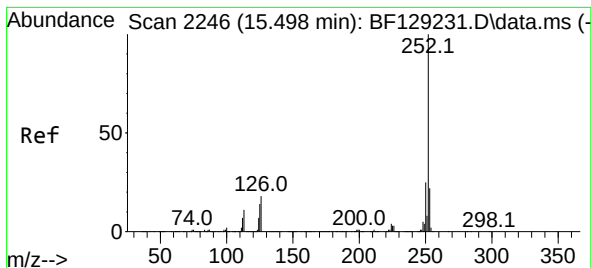
Tgt Ion:252 Resp: 203747
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 13.0 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 7.370 ng
RT: 15.115 min Scan# 2181
Delta R.T. -0.041 min
Lab File: BF129244.D
Acq: 15 Jul 2022 18:16

Tgt Ion:252 Resp: 203747
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 13.0 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 4.984 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129244.D

Acq: 15 Jul 2022 18:16

Instrument :

BNA_F

ClientSampleId :

TP-1

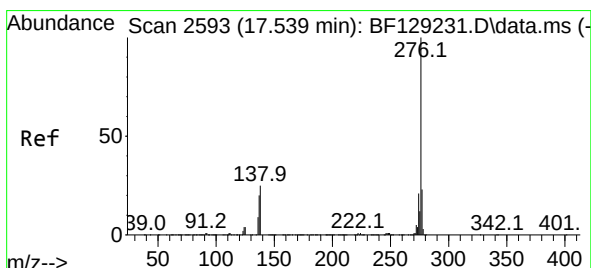
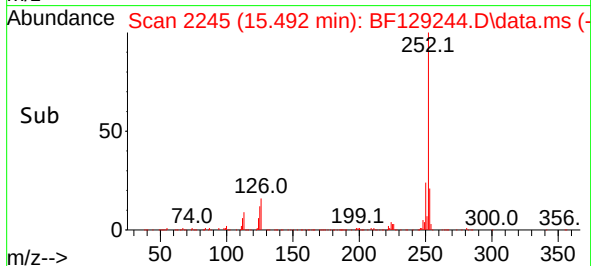
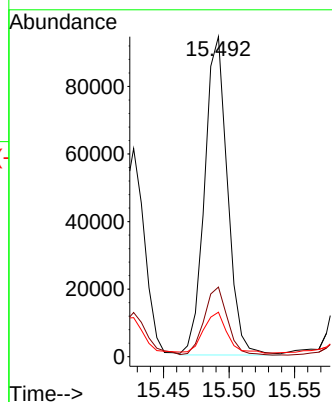
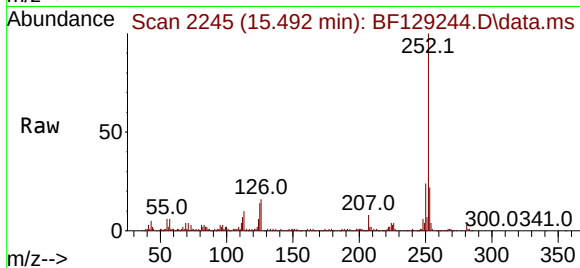
Tgt Ion:252 Resp: 114804

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.6

125 13.9 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 3.557 ng

RT: 17.509 min Scan# 2588

Delta R.T. -0.029 min

Lab File: BF129244.D

Acq: 15 Jul 2022 18:16

Tgt Ion:276 Resp: 84463

Ion Ratio Lower Upper

276 100

277 24.9 19.1 28.7

138 26.6 18.0 27.0

