

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110421\
 Data File : BF126049.D
 Acq On : 4 Nov 2021 17:00
 Operator : JU/CG
 Sample : M4500-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-8-110321

Quant Time: Nov 08 09:48:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

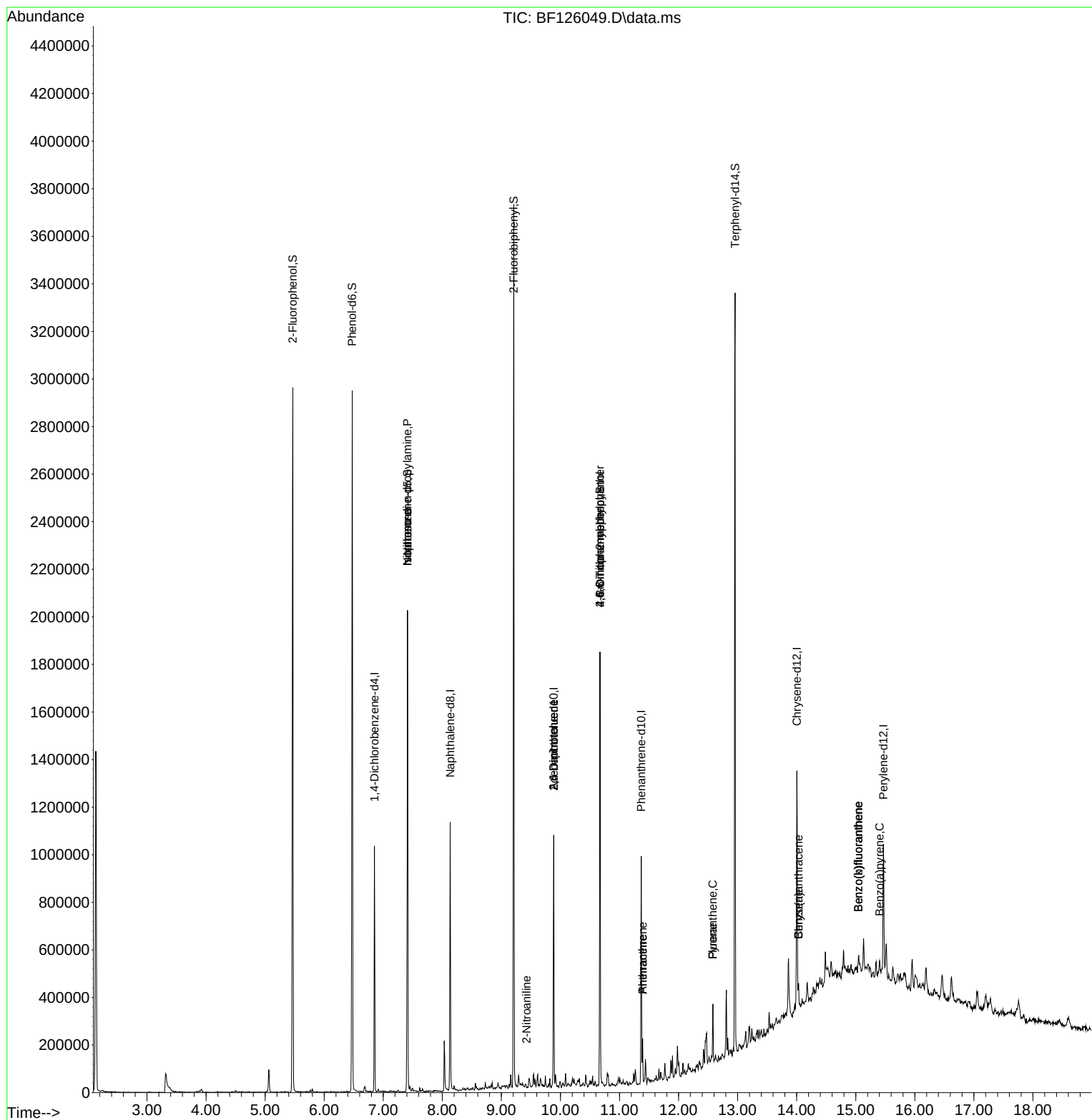
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	121241	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	392551	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	182786	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	305524	20.000	ng	0.00
76) Chrysene-d12	14.004	240	314496	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	240199	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	640194	90.678	ng	0.00
7) Phenol-d6	6.475	99	779530	78.326	ng	-0.01
23) Nitrobenzene-d5	7.410	82	575500	69.139	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	171879	82.053	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	955536	70.644	ng	0.00
79) Terphenyl-d14	12.957	244	1014557	52.020	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	159	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	82147	12.520	ng	# 61
25) Isophorone	7.410	82	571274	38.119	ng	# 59
48) 2-Nitroaniline	9.427	65	132	2.883	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	25011	10.965	ng	# 29
57) 2,4-Dinitrotoluene	9.886	165	25011	10.275	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.669	198	445	8.567	ng	# 1
67) 4-Bromophenyl-phenylether	10.669	248	11087	2.996	ng	# 1
71) Phenanthrene	11.392	178	53871	3.251	ng	98
72) Anthracene	11.392	178	53871	3.257	ng	98
75) Fluoranthene	12.580	202	85374	4.627	ng	96
78) Pyrene	12.580	202	85374	3.385	ng	98
81) Benzo(a)anthracene	14.033	228	45907	2.125	ng	96
83) Chrysene	14.033	228	45907	2.284	ng	98
88) Benzo(b)fluoranthene	15.045	252	48020	3.073	ng	# 84
89) Benzo(k)fluoranthene	15.045	252	48020	3.168	ng	# 83
90) Benzo(a)pyrene	15.404	252	27790	2.258	ng	# 83

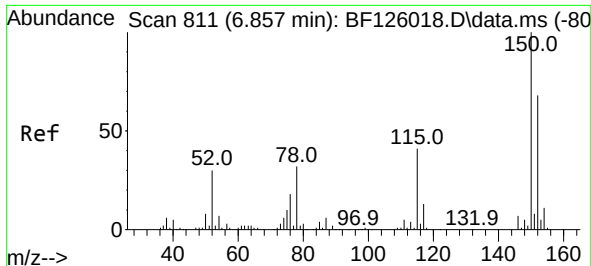
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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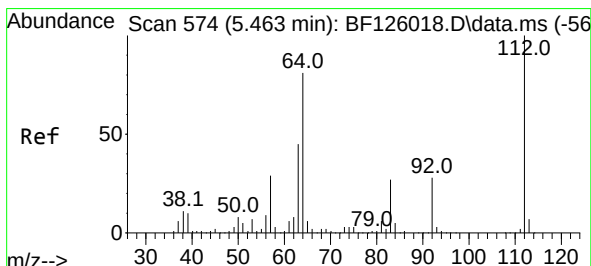
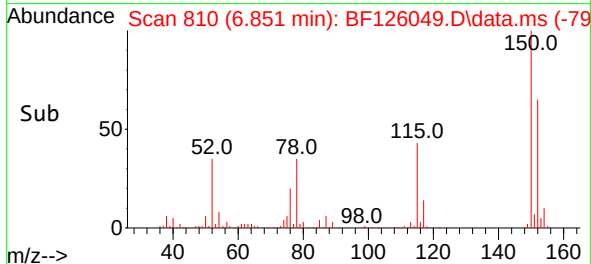
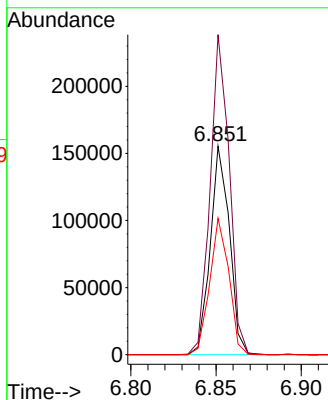
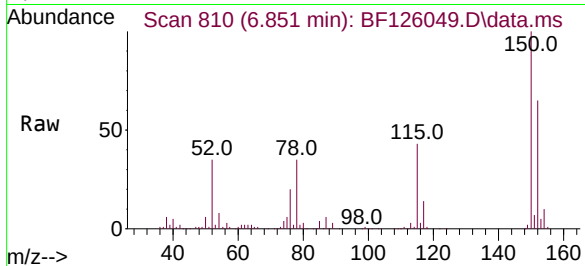




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

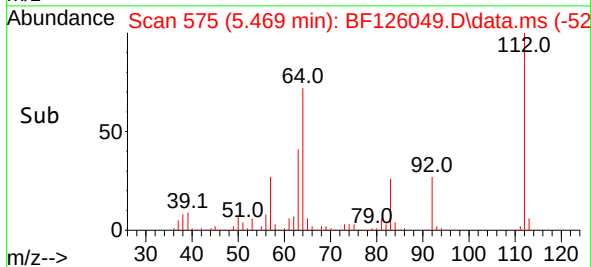
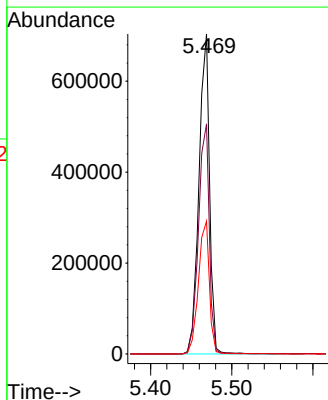
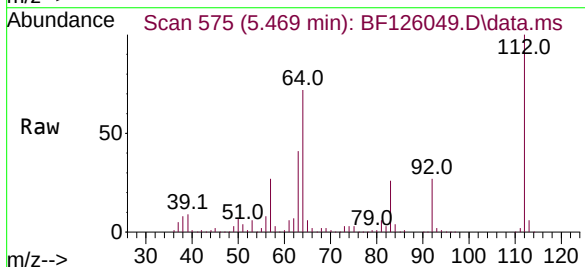
Instrument :
BNA_F
ClientSampleId :
TR-8-110321

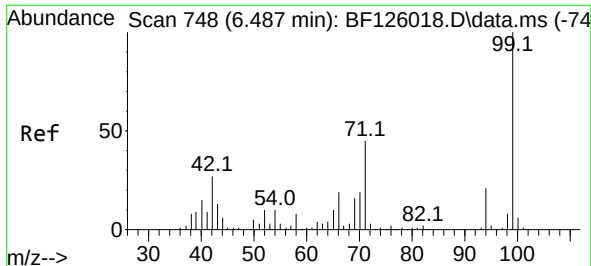
Tgt Ion:152 Resp: 121241
Ion Ratio Lower Upper
152 100
150 153.5 117.6 176.4
115 65.4 47.1 70.7



#5
2-Fluorophenol
Concen: 90.678 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

Tgt Ion:112 Resp: 640194
Ion Ratio Lower Upper
112 100
64 71.9 44.2 66.2#
63 41.5 26.2 39.2#

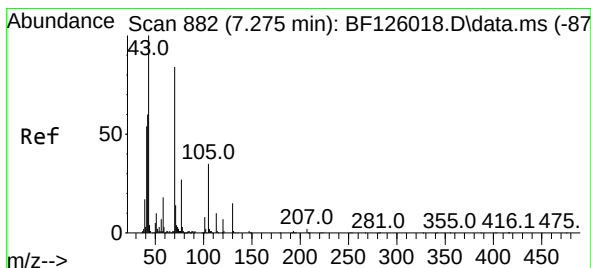
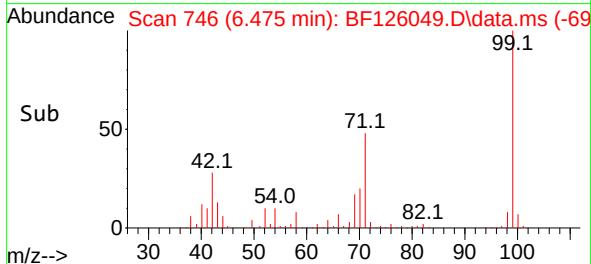
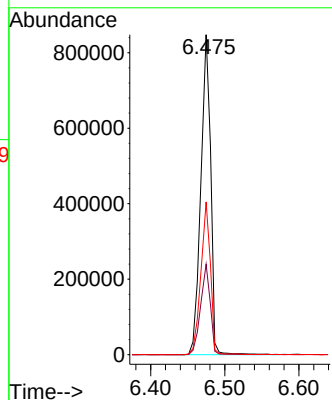
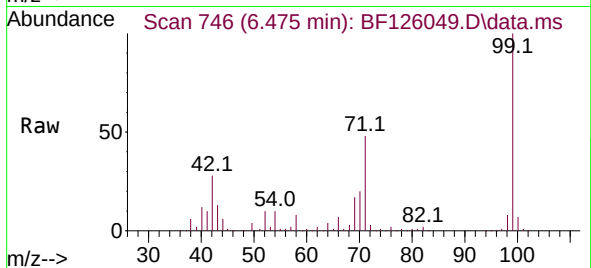




#7
Phenol-d6
Concen: 78.326 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

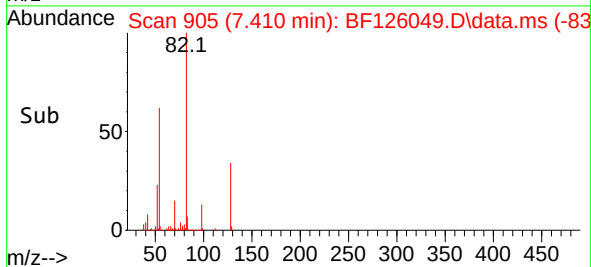
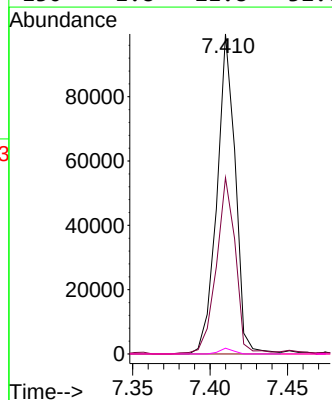
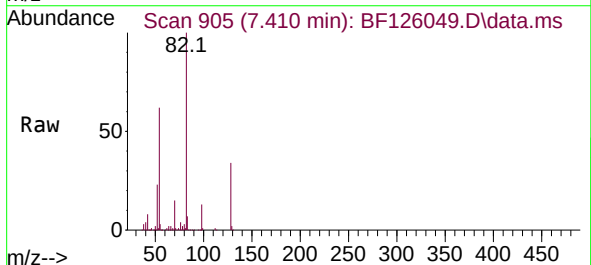
Instrument :
BNA_F
ClientSampleId :
TR-8-110321

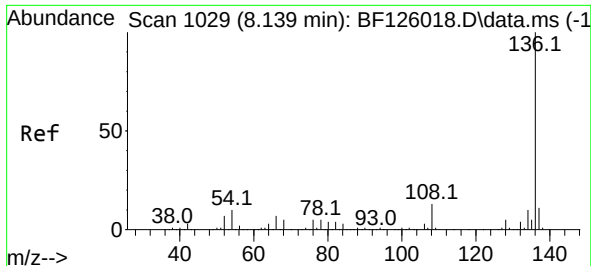
Tgt Ion: 99 Resp: 779530
Ion Ratio Lower Upper
99 100
42 28.2 23.5 35.3
71 47.8 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 12.520 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

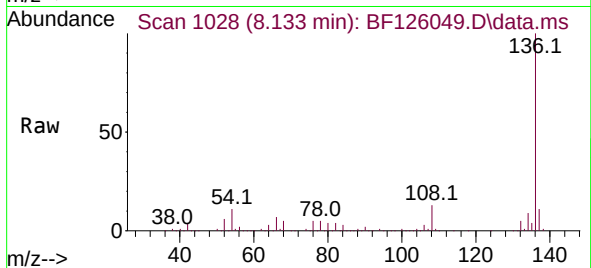
Tgt Ion: 70 Resp: 82147
Ion Ratio Lower Upper
70 100
42 55.1 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#



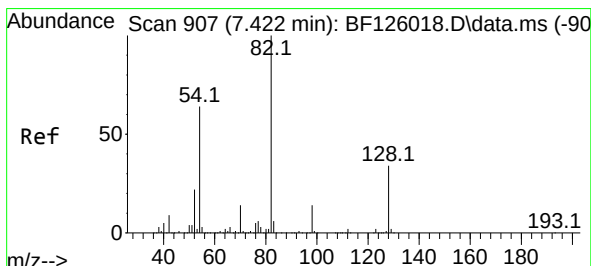
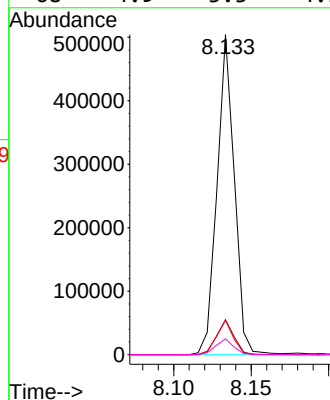
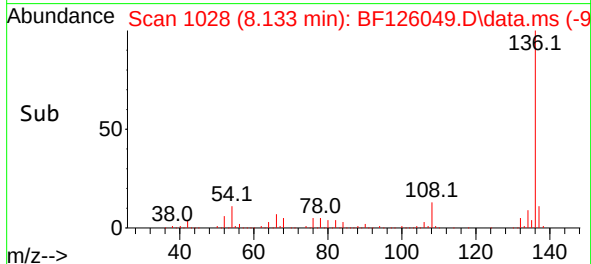


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

Instrument :
BNA_F
ClientSampleId :
TR-8-110321

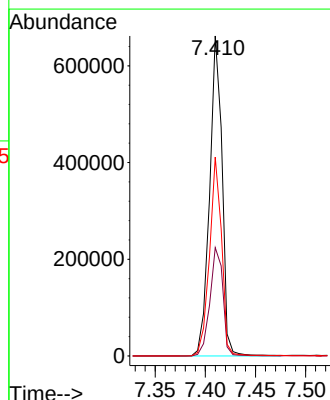
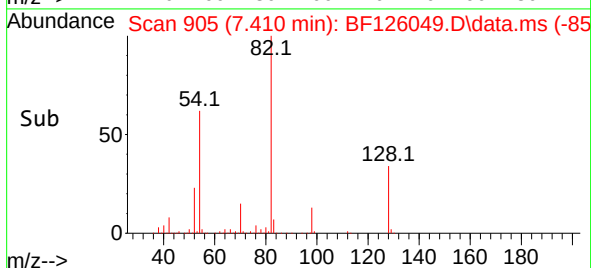
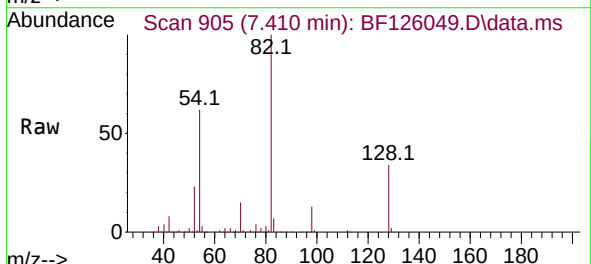


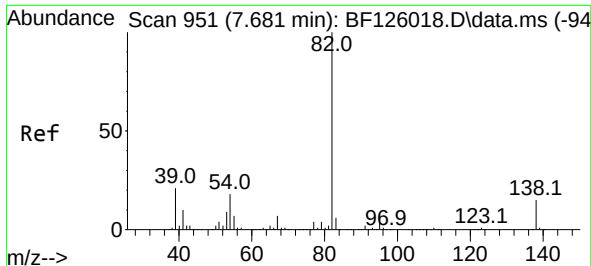
Tgt Ion:136 Resp: 392551
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 10.8 6.4 9.6#
68 4.9 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 69.139 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

Tgt Ion: 82 Resp: 575500
Ion Ratio Lower Upper
82 100
128 33.9 40.6 60.8#
54 62.1 49.6 74.4

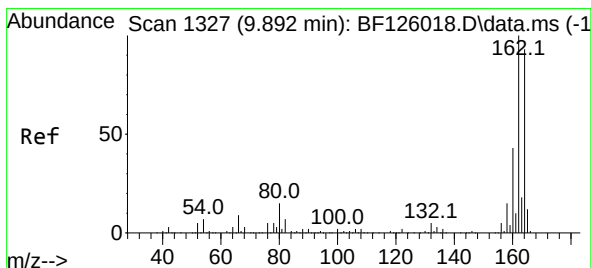
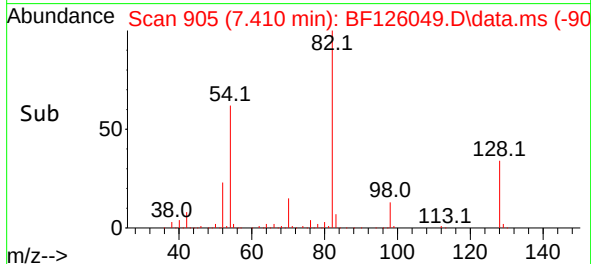
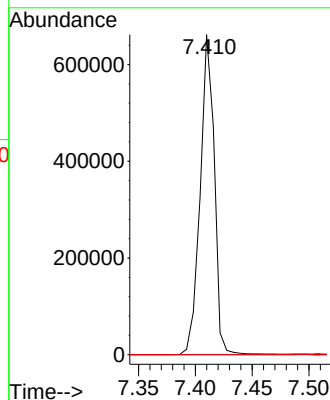
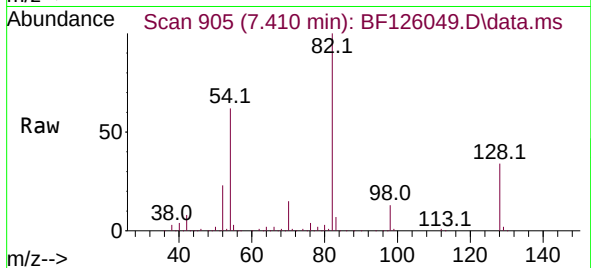




#25
Isophorone
Concen: 38.119 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

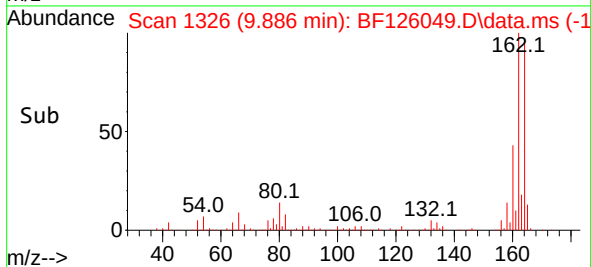
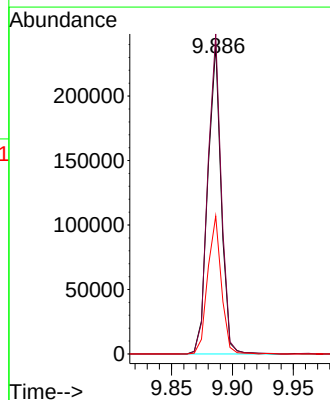
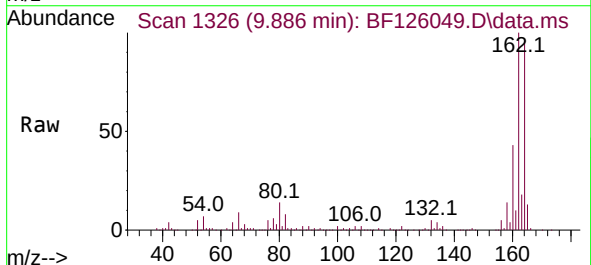
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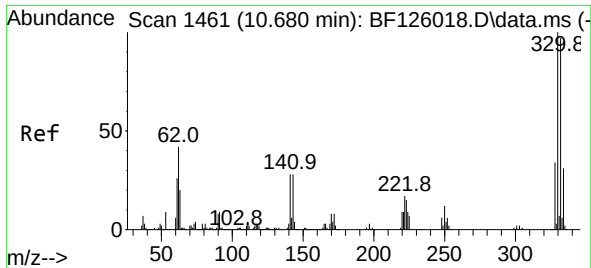
Tgt Ion: 82 Resp: 571274
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

Tgt Ion:164 Resp: 182786
Ion Ratio Lower Upper
164 100
162 103.6 81.3 121.9
160 44.6 38.0 57.0

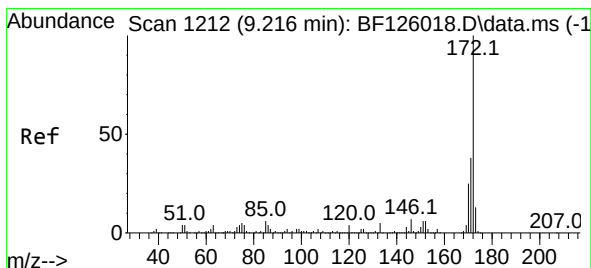
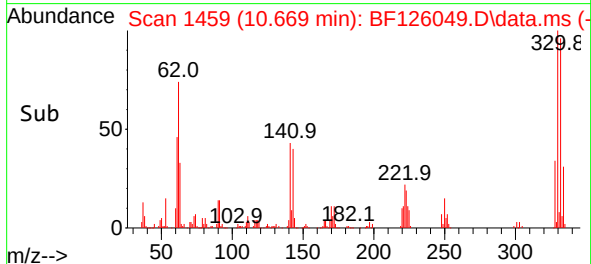
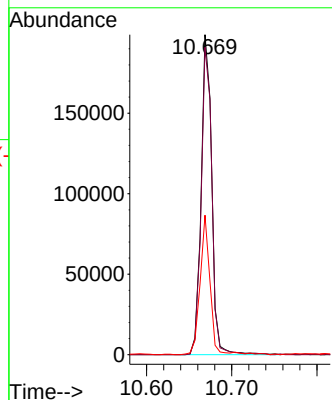
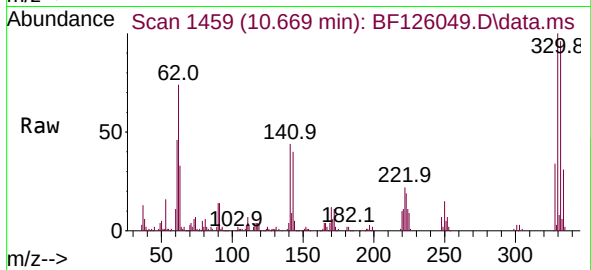




#42
2,4,6-Tribromophenol
Concen: 82.053 ng
RT: 10.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

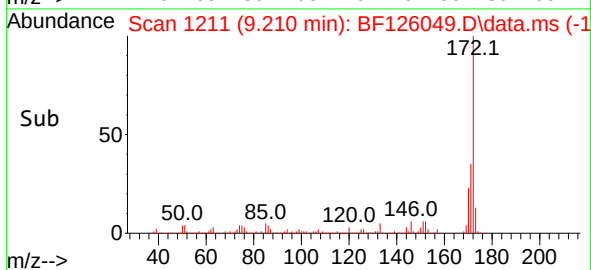
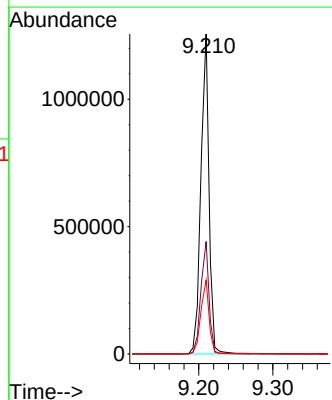
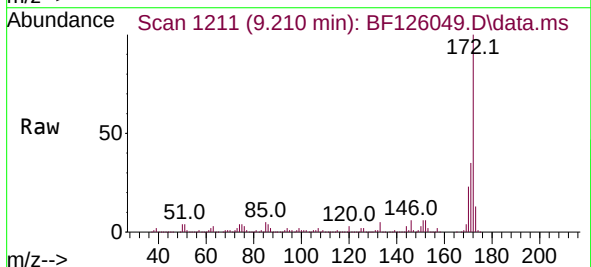
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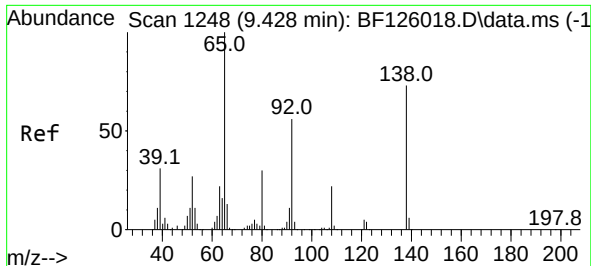
Tgt Ion:330 Resp: 171879
Ion Ratio Lower Upper
330 100
332 96.5 76.2 114.4
141 40.9 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 70.644 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

Tgt Ion:172 Resp: 955536
Ion Ratio Lower Upper
172 100
171 35.1 26.5 39.7
170 23.1 18.8 28.2

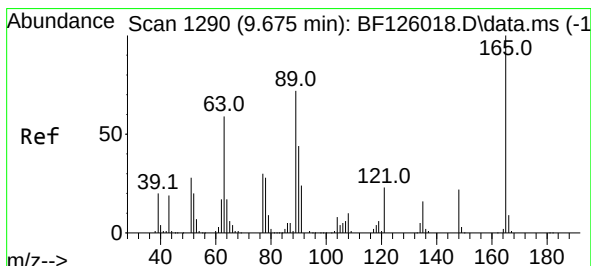
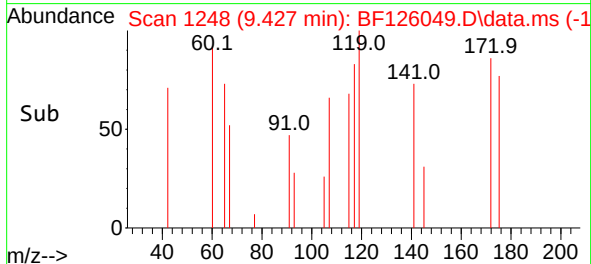
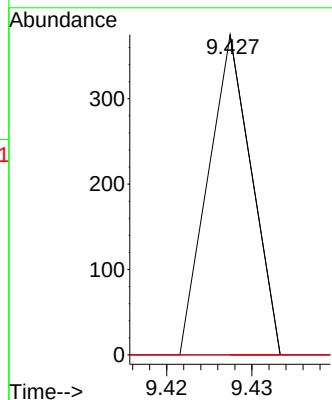
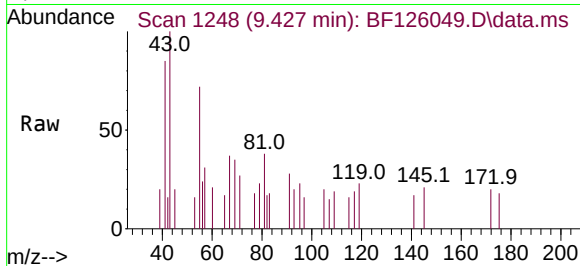




#48
2-Nitroaniline
Concen: 2.883 ng
RT: 9.427 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

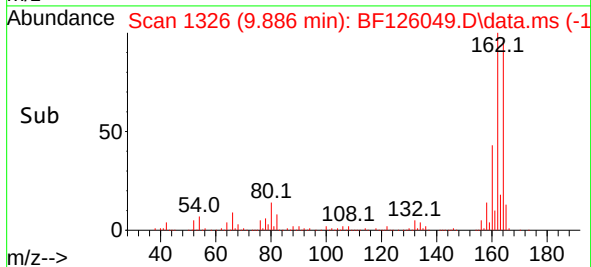
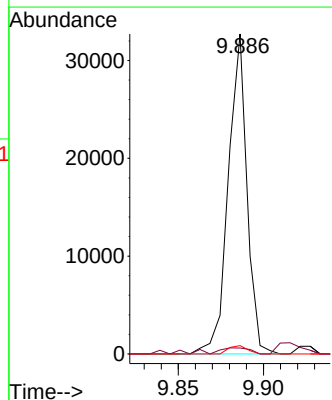
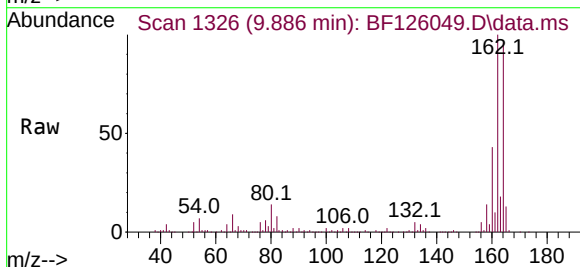
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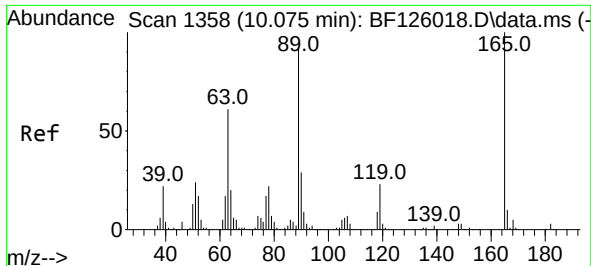
Tgt Ion: 65 Resp: 132
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 10.965 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.211 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

Tgt Ion: 165 Resp: 25011
Ion Ratio Lower Upper
165 100
63 1.8 42.6 63.8#
89 2.6 40.6 60.8#

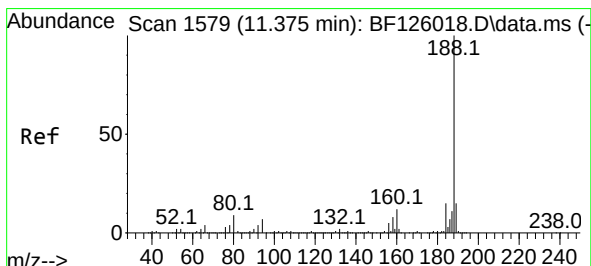
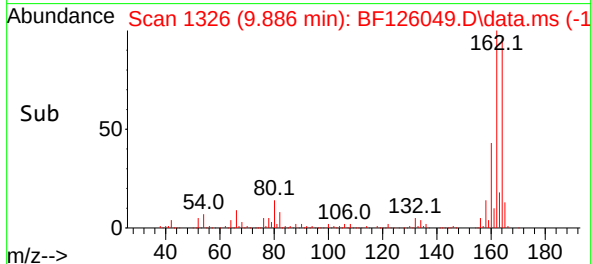
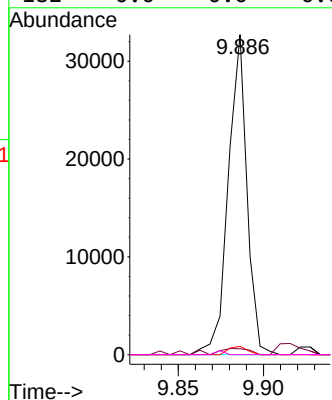
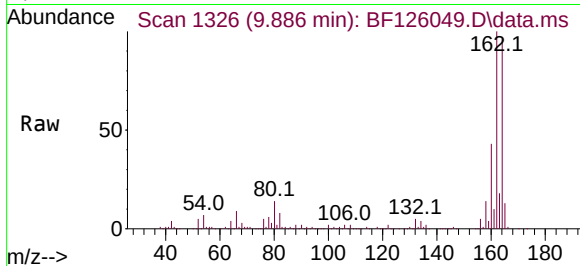




#57
2,4-Dinitrotoluene
Concen: 10.275 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

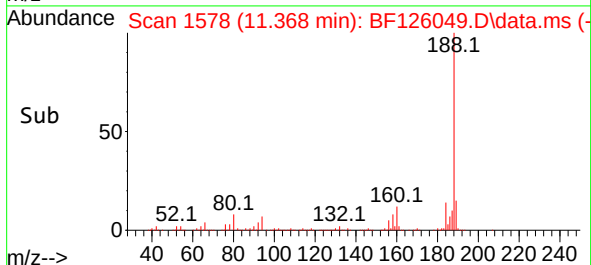
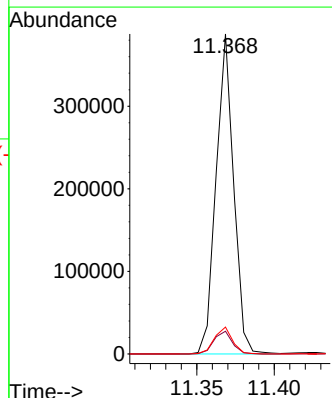
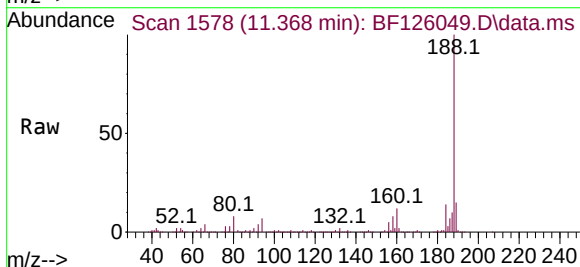
Instrument :
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ClientSampleId :
TR-8-110321

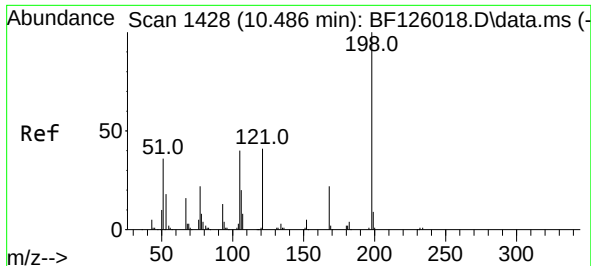
Tgt Ion:165 Resp: 25011
Ion Ratio Lower Upper
165 100
63 1.8 40.9 61.3#
89 2.6 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.368 min Scan# 1578
Delta R.T. -0.007 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

Tgt Ion:188 Resp: 305524
Ion Ratio Lower Upper
188 100
94 7.1 6.7 10.1
80 8.4 7.5 11.3

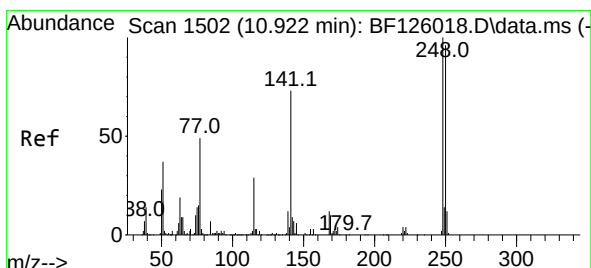
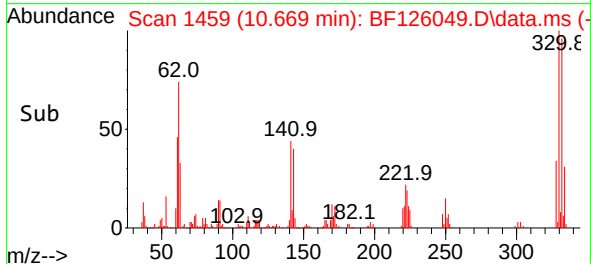
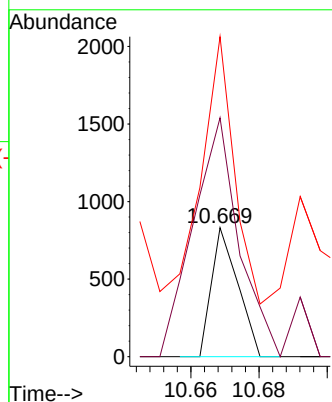
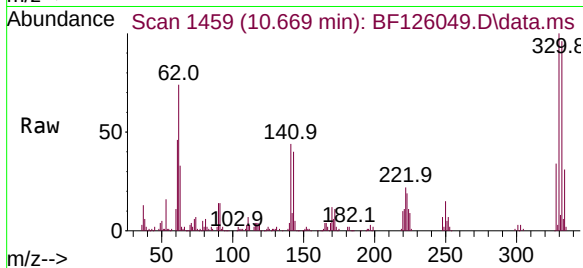




#65
4,6-Dinitro-2-methylphenol
Concen: 8.567 ng
RT: 10.669 min Scan# 1428
Delta R.T. 0.183 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

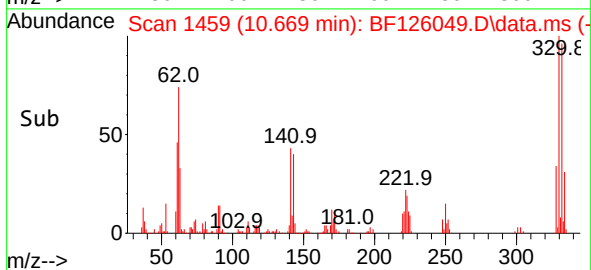
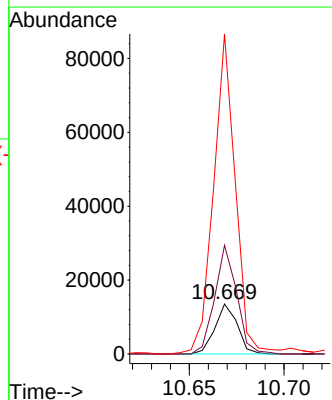
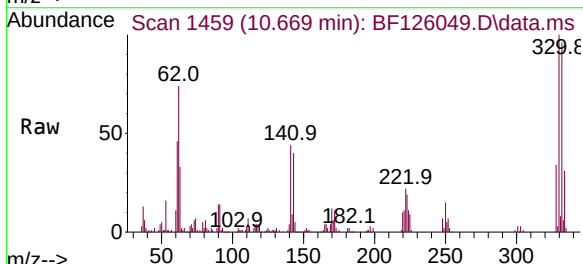
Instrument :
BNA_F
ClientSampleId :
TR-8-110321

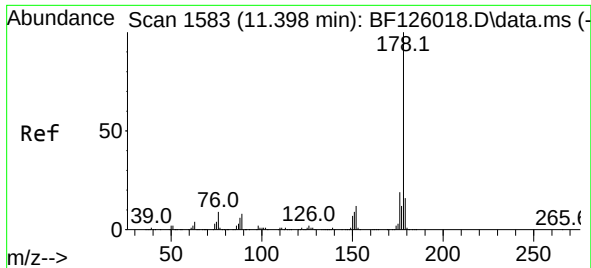
Tgt Ion:198 Resp: 445
Ion Ratio Lower Upper
198 100
51 185.3 45.3 85.3#
105 248.3 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 2.996 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.253 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

Tgt Ion:248 Resp: 11087
Ion Ratio Lower Upper
248 100
250 217.4 74.2 111.4#
141 640.7 60.4 90.6#

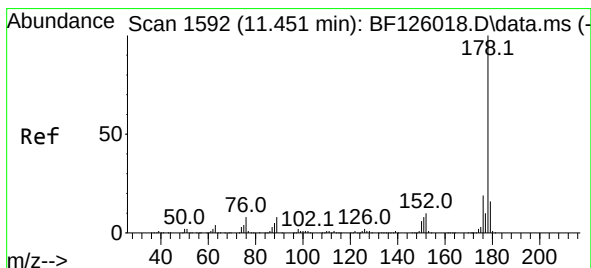
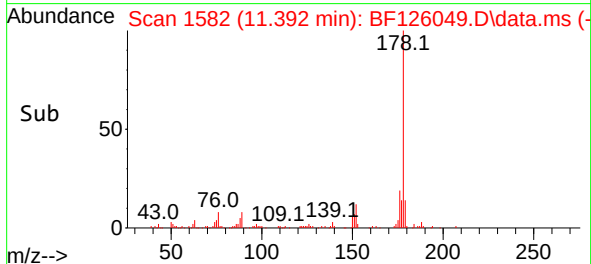
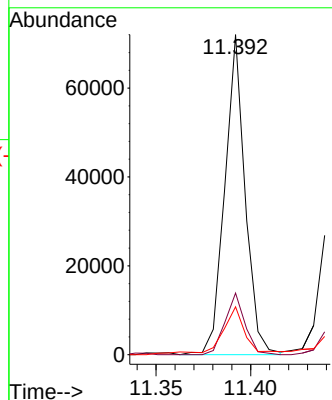
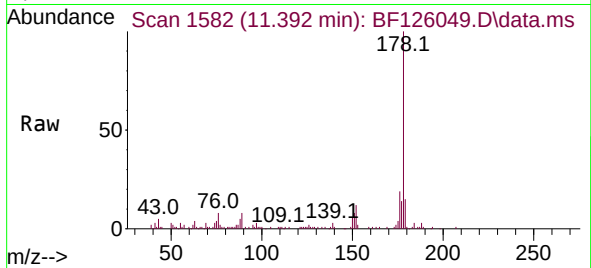




#71
Phenanthrene
Concen: 3.251 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

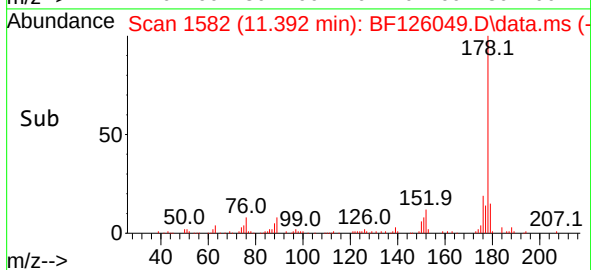
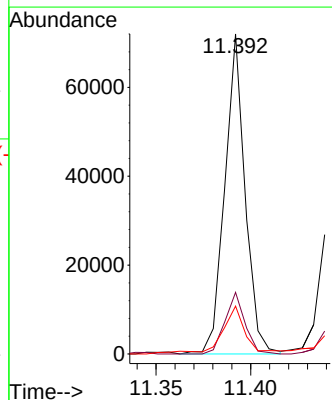
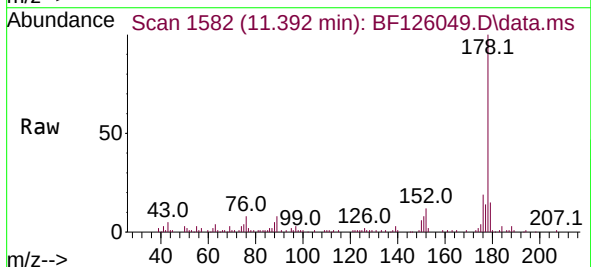
Instrument :
BNA_F
ClientSampleId :
TR-8-110321

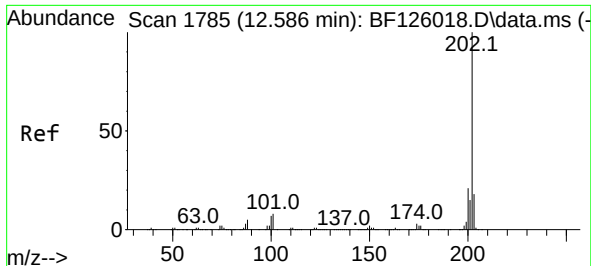
Tgt Ion:178	Resp:	53871
Ion Ratio	Lower	Upper
178	100	
176	19.3	14.7 22.1
179	15.0	11.5 17.3



#72
Anthracene
Concen: 3.257 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.059 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

Tgt Ion:178	Resp:	53871
Ion Ratio	Lower	Upper
178	100	
176	19.3	14.3 21.5
179	15.0	12.2 18.4

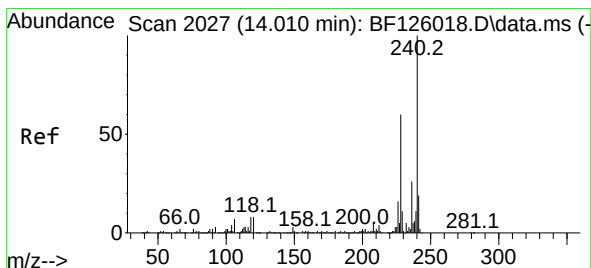
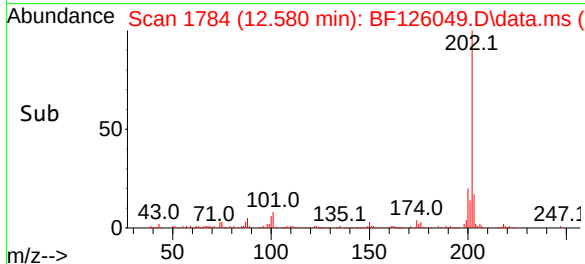
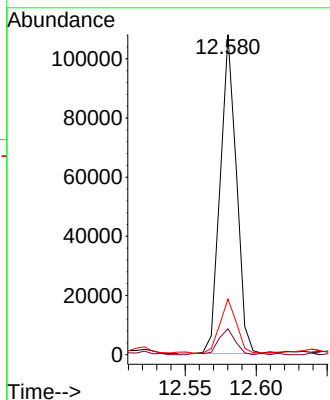
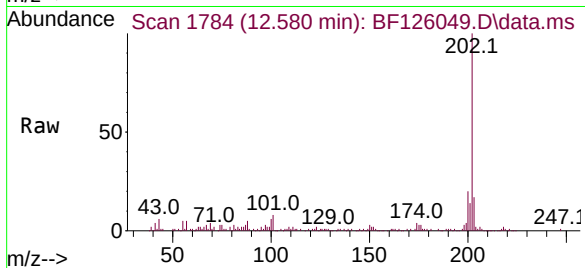




#75
Fluoranthene
Concen: 4.627 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

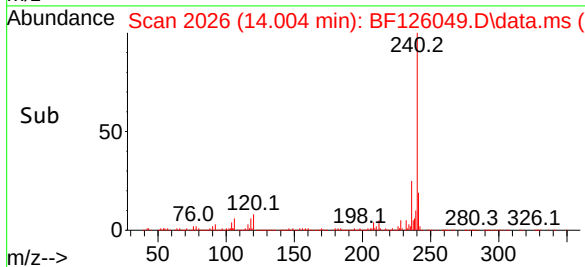
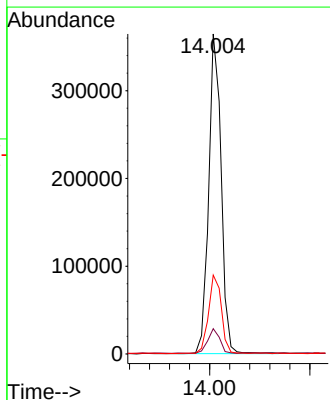
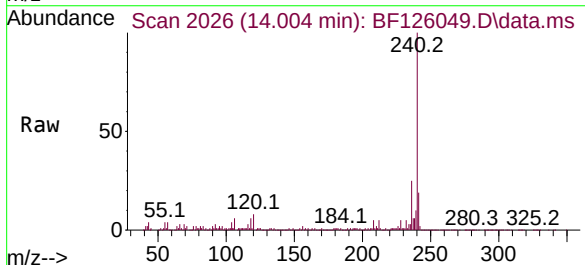
Instrument :
BNA_F
ClientSampleId :
TR-8-110321

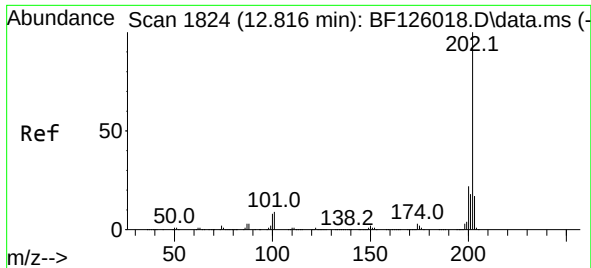
Tgt Ion:202 Resp: 85374
Ion Ratio Lower Upper
202 100
101 8.1 0.0 30.7
203 17.4 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

Tgt Ion:240 Resp: 314496
Ion Ratio Lower Upper
240 100
120 7.9 10.8 16.2#
236 24.6 21.6 32.4

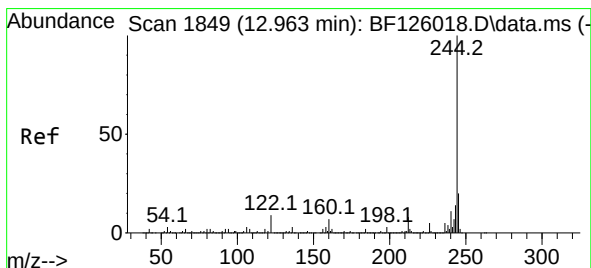
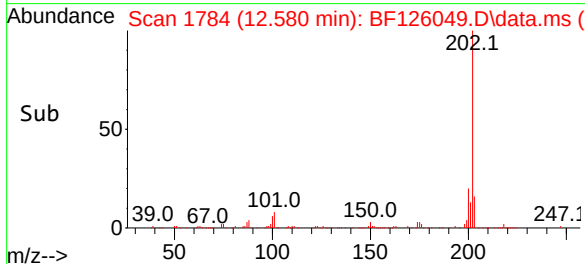
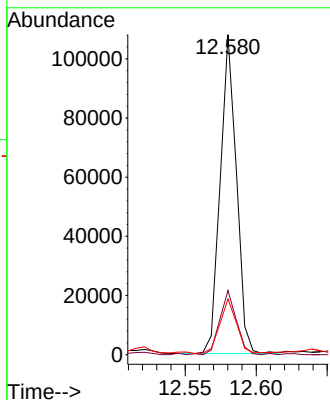
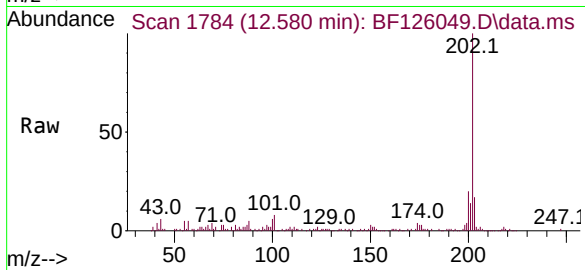




#78
 Pyrene
 Concen: 3.385 ng
 RT: 12.580 min Scan# 11
 Delta R.T. -0.236 min
 Lab File: BF126049.D
 Acq: 4 Nov 2021 17:00

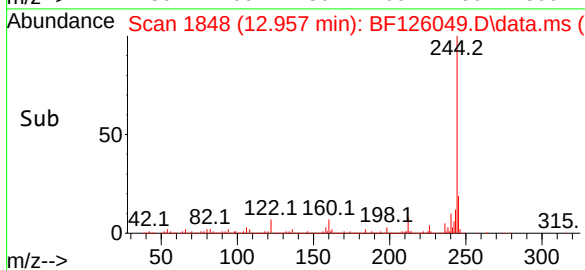
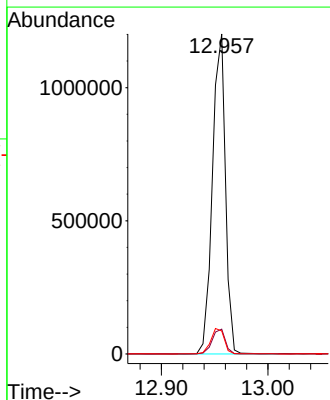
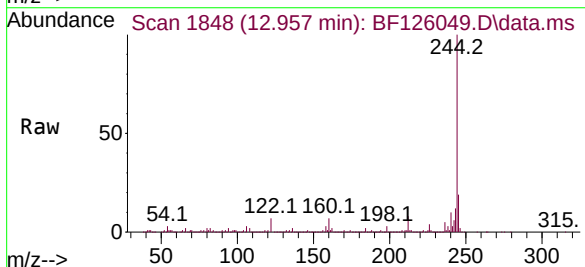
Instrument :
 BNA_F
 ClientSampleId :
 TR-8-110321

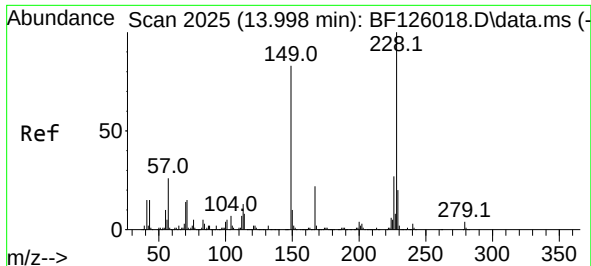
Tgt Ion:202 Resp: 85374
 Ion Ratio Lower Upper
 202 100
 200 20.1 15.3 22.9
 203 17.4 13.4 20.0



#79
 Terphenyl-d14
 Concen: 52.020 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126049.D
 Acq: 4 Nov 2021 17:00

Tgt Ion:244 Resp: 1014557
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.9 8.9
 122 7.2 9.0 13.4#

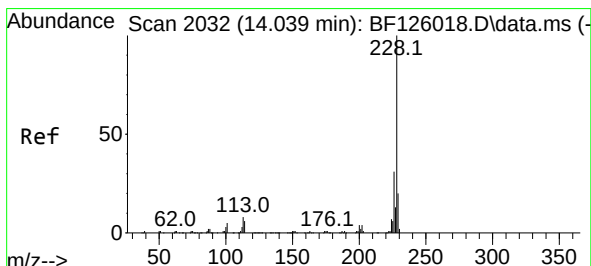
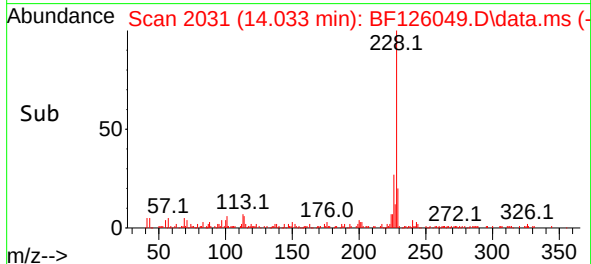
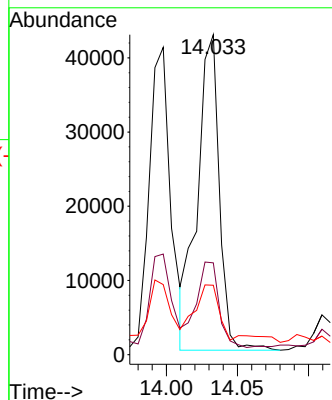
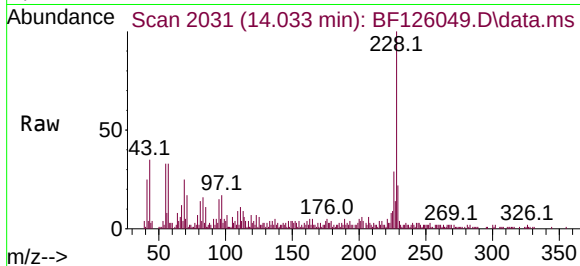




#81
Benzo(a)anthracene
Concen: 2.125 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.035 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

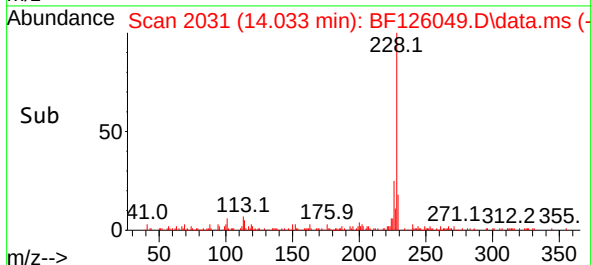
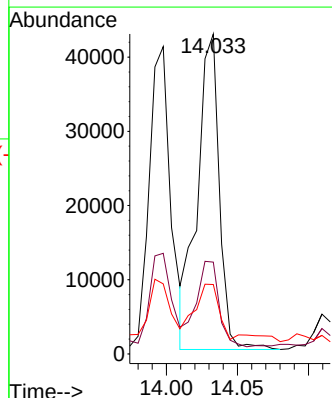
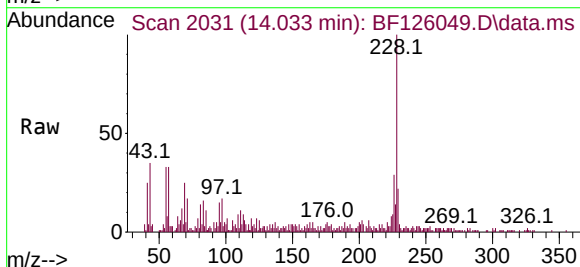
Instrument :
BNA_F
ClientSampleId :
TR-8-110321

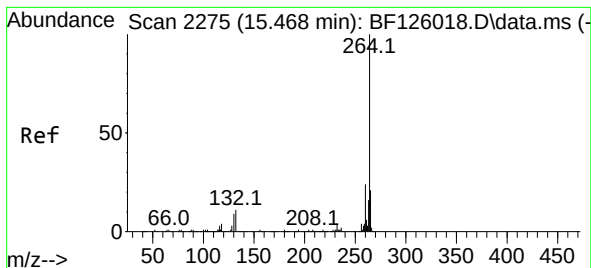
Tgt Ion:228 Resp: 45907
Ion Ratio Lower Upper
228 100
226 28.7 21.6 32.4
229 21.7 15.6 23.4



#83
Chrysene
Concen: 2.284 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF126049.D
Acq: 4 Nov 2021 17:00

Tgt Ion:228 Resp: 45907
Ion Ratio Lower Upper
228 100
226 28.7 22.6 34.0
229 21.7 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF126049.D

Acq: 4 Nov 2021 17:00

Instrument :

BNF

ClientSampleId :

TR-8-110321

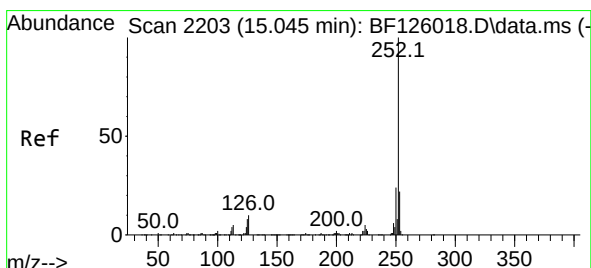
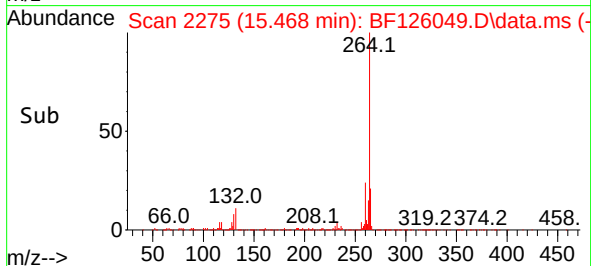
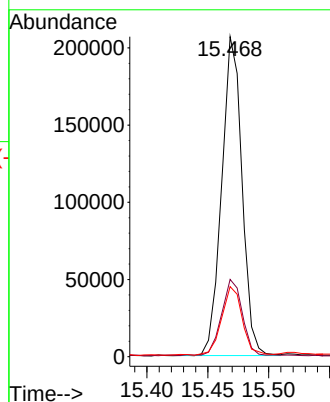
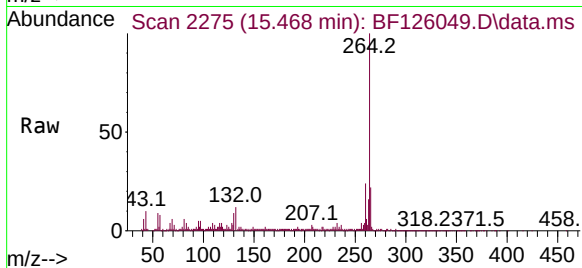
Tgt Ion:264 Resp: 240199

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

265 21.9 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 3.073 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.000 min

Lab File: BF126049.D

Acq: 4 Nov 2021 17:00

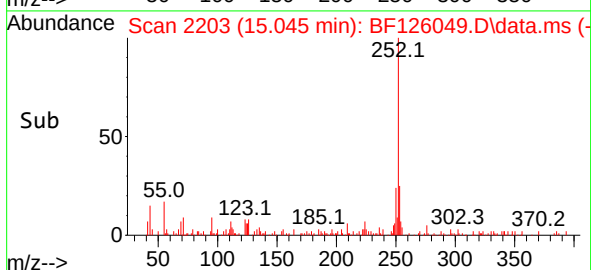
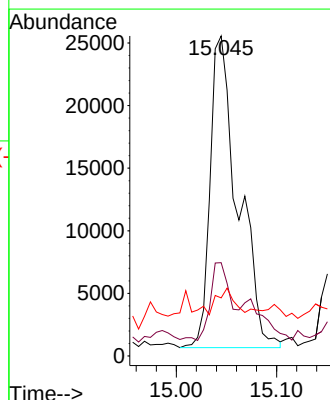
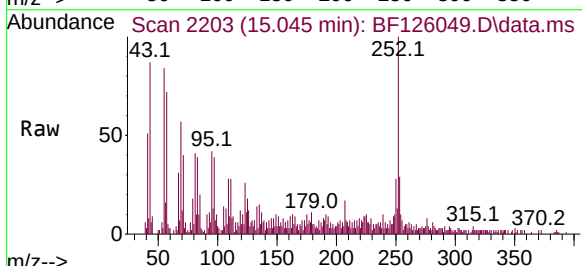
Tgt Ion:252 Resp: 48020

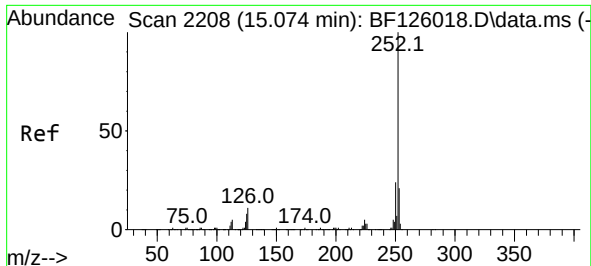
Ion Ratio Lower Upper

252 100

253 29.1 16.8 25.2#

125 18.2 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 3.168 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF126049.D

Acq: 4 Nov 2021 17:00

Instrument :

BNA_F

ClientSampleId :

TR-8-110321

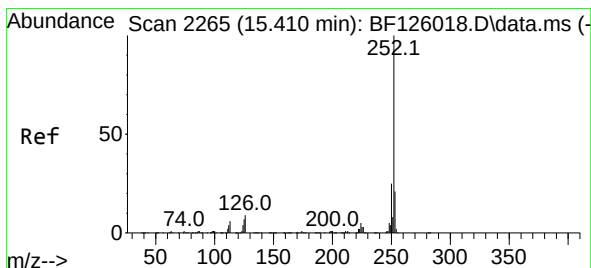
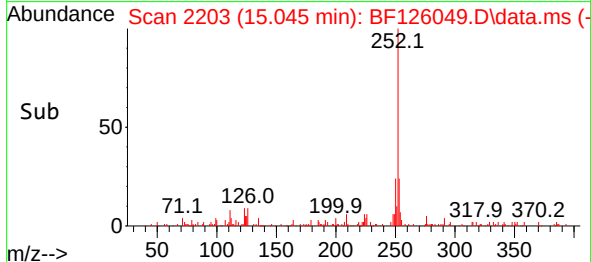
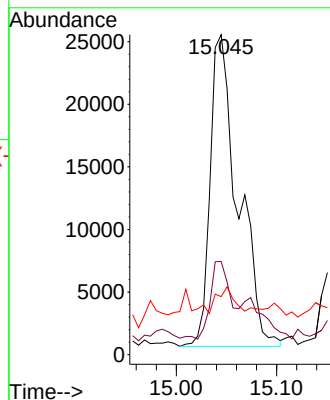
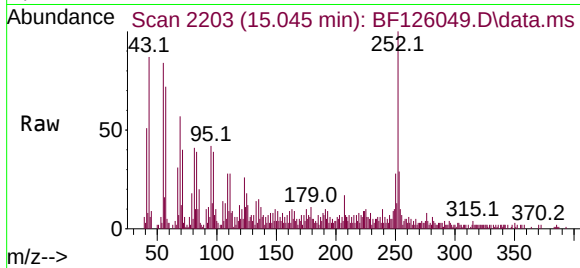
Tgt Ion:252 Resp: 48020

Ion Ratio Lower Upper

252 100

253 29.1 17.8 26.8#

125 18.2 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 2.258 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF126049.D

Acq: 4 Nov 2021 17:00

Tgt Ion:252 Resp: 27790

Ion Ratio Lower Upper

252 100

253 31.3 18.4 27.6#

125 18.5 9.9 14.9#

