

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
 Data File : BF125024.D
 Acq On : 10 Aug 2021 3:31
 Operator : JU/CG
 Sample : M3315-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-08062021

Quant Time: Aug 10 04:48:30 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 09 11:03:44 2021
 Response via : Initial Calibration

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

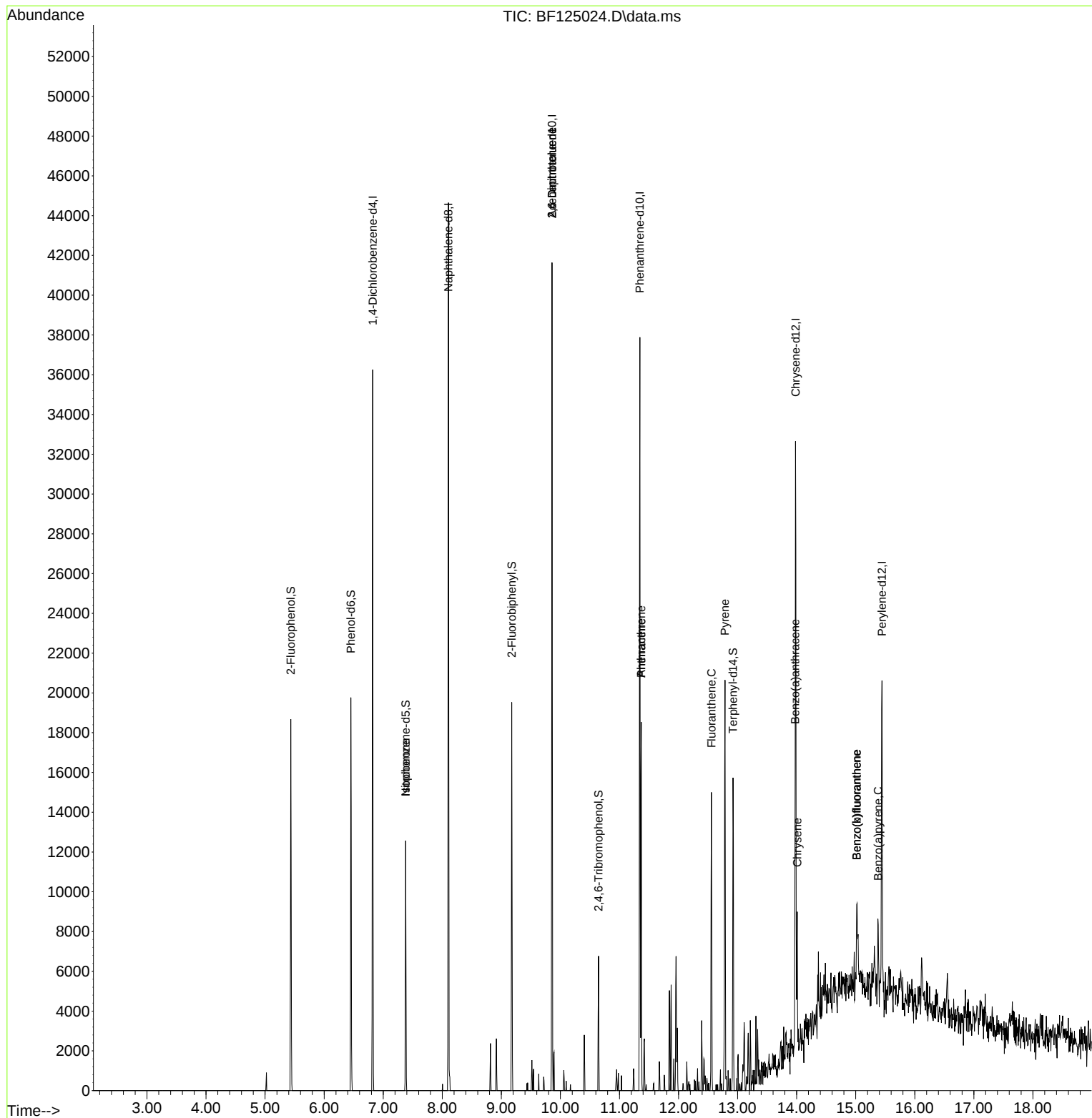
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	5546	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	17530	20.00	ng	# 0.00
39) Acenaphthene-d10	9.857	164	7782	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	14155	20.00	ng	0.00
76) Chrysene-d12	13.980	240	10087	20.00	ng	0.00
86) Perylene-d12	15.445	264	7374	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	4910	14.50	ng	0.00
7) Phenol-d6	6.451	99	5753	13.48	ng	0.00
23) Nitrobenzene-d5	7.381	82	4030	12.03	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	1032	14.84	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	6411	12.05	ng	0.00
79) Terphenyl-d14	12.922	244	6956	11.63	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.381	82	4030	7.05	ng	# 59
51) 2,6-Dinitrotoluene	9.857	165	1015	8.64	ng	# 26
57) 2,4-Dinitrotoluene	9.857	165	1015	6.37	ng	# 18
71) Phenanthrene	11.369	178	7497	9.76	ng	98
72) Anthracene	11.369	178	7497	9.73	ng	97
75) Fluoranthene	12.557	202	6724	8.46	ng	99
78) Pyrene	12.786	202	9498	11.95	ng	97
81) Benzo(a)anthracene	13.974	228	3411	5.19	ng	# 90
83) Chrysene	14.010	228	3123	4.91	ng	# 89
88) Benzo(b)fluoranthene	15.016	252	3098	5.98	ng	# 89
89) Benzo(k)fluoranthene	15.016	252	3098	6.58	ng	# 85
90) Benzo(a)pyrene	15.380	252	1998	4.53	ng	# 87

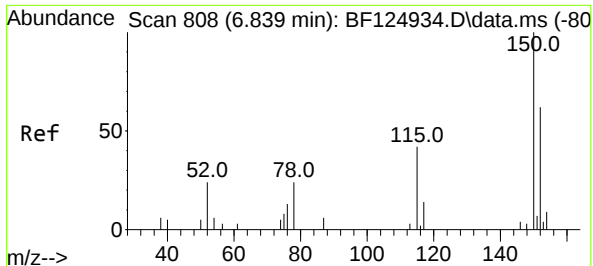
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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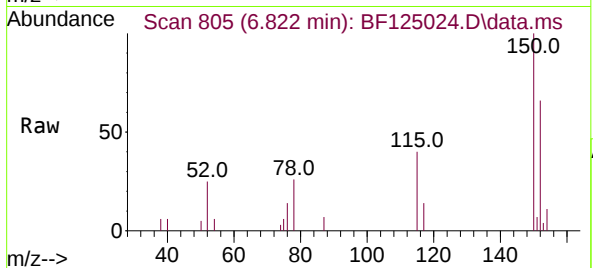
Quant Time: Aug 10 04:48:30 2021
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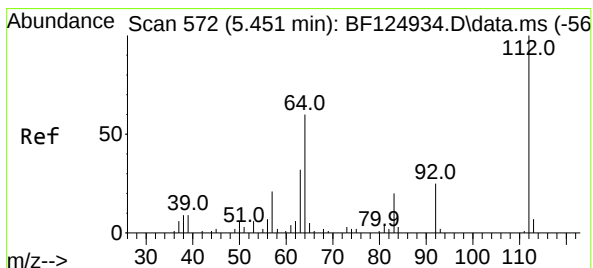
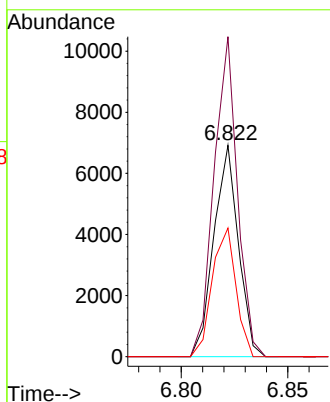
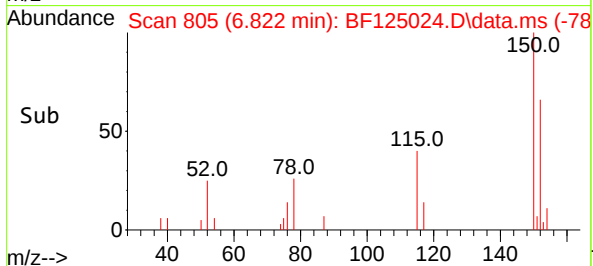


#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

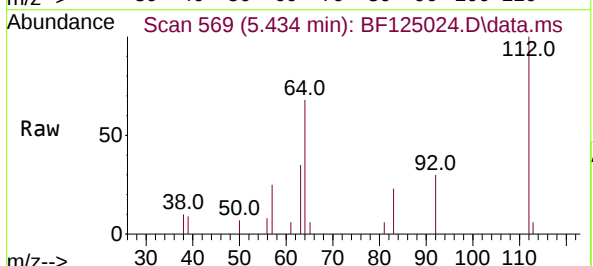
Instrument :
BNA_F
ClientSampleId :
OK-02-08062021



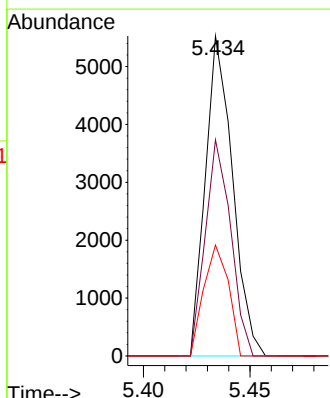
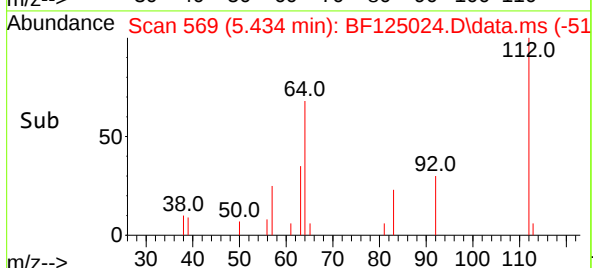
Tgt Ion:152 Resp: 5546
Ion Ratio Lower Upper
152 100
150 151.4 117.6 176.4
115 60.8 47.1 70.7

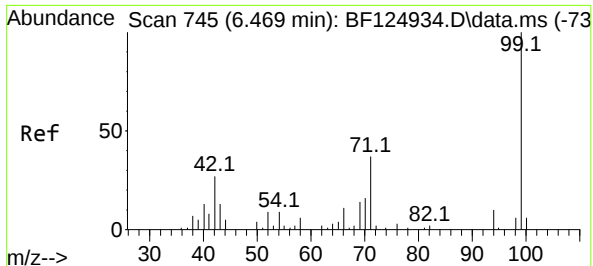


#5
2-Fluorophenol
Concen: 14.50 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31



Tgt Ion:112 Resp: 4910
Ion Ratio Lower Upper
112 100
64 67.5 44.2 66.2#
63 34.7 26.2 39.2



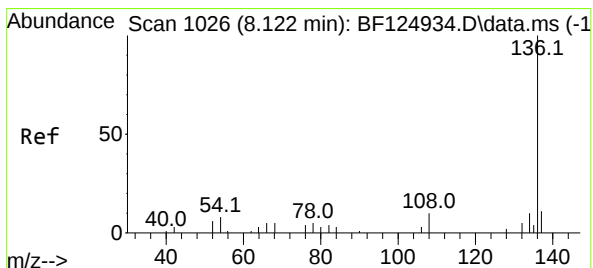
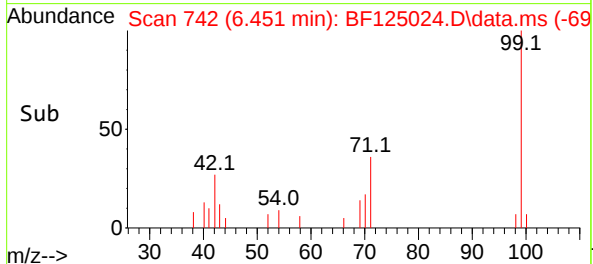
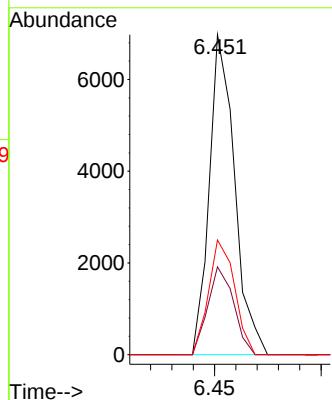
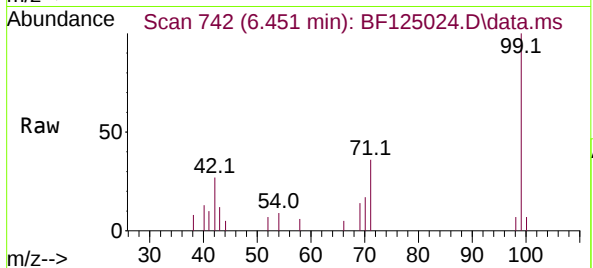


#7
Phenol-d6
Concen: 13.48 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

Tgt Ion: 99 Resp: 5753

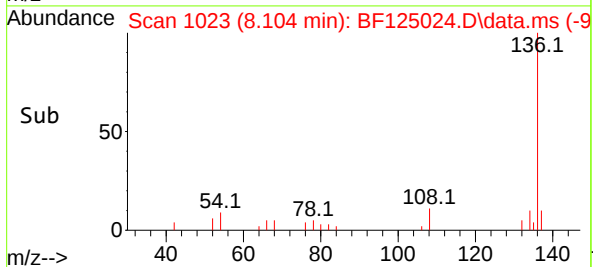
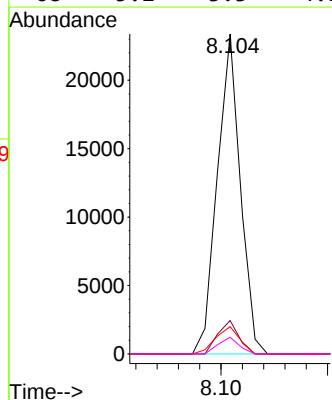
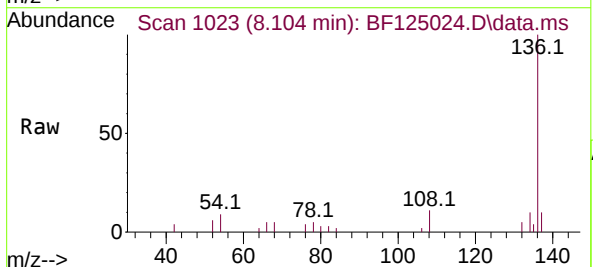
Ion	Ratio	Lower	Upper
99	100		
42	27.5	23.5	35.3
71	35.8	25.6	38.4

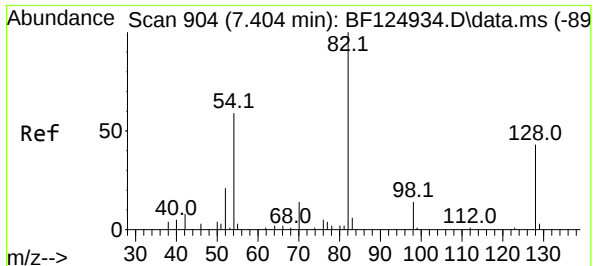


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

Tgt Ion: 136 Resp: 17530

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.8	14.6
54	8.5	6.4	9.6
68	5.2	3.3	4.9





#23

Nitrobenzene-d5

Concen: 12.03 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF125024.D

Acq: 10 Aug 2021 3:31

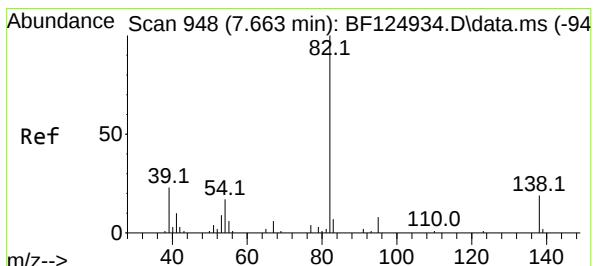
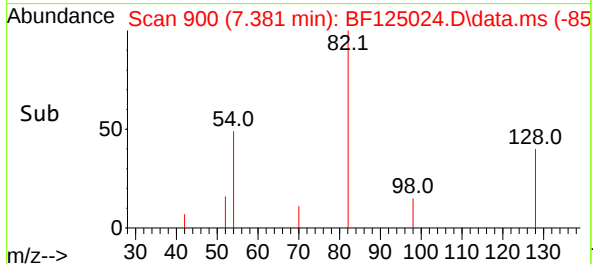
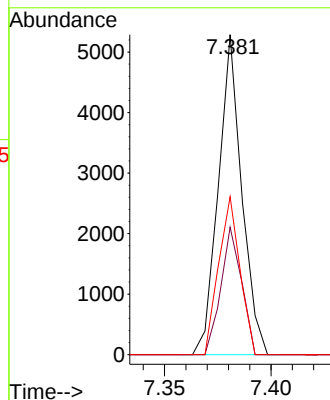
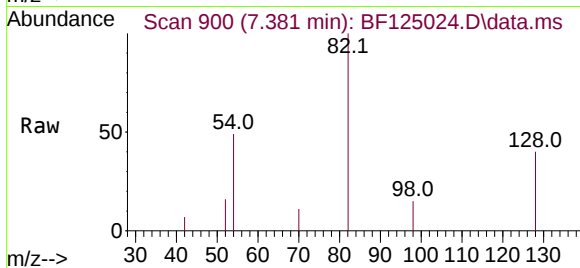
Tgt Ion:	82	Resp:	4030
Ion	Ratio	Lower	Upper
82	100		
128	39.9	40.6	60.8#
54	49.3	49.6	74.4#

Instrument :

BNA_F

ClientSampleId :

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#25

Isophorone

Concen: 7.05 ng

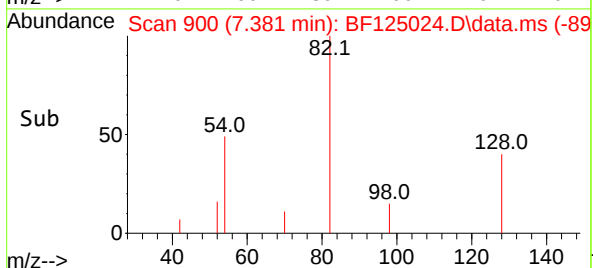
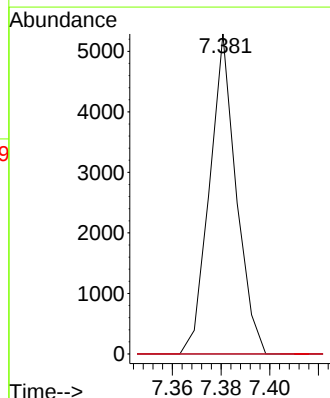
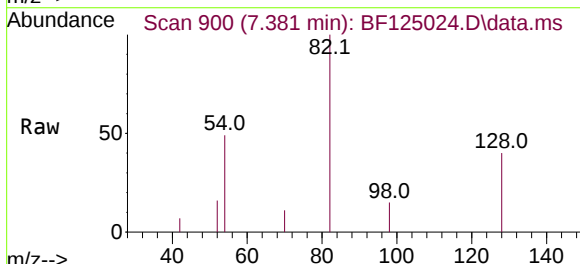
RT: 7.381 min Scan# 900

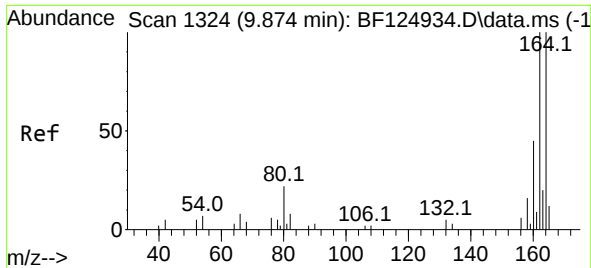
Delta R.T. -0.264 min

Lab File: BF125024.D

Acq: 10 Aug 2021 3:31

Tgt Ion:	82	Resp:	4030
Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.5	9.7#
138	0.0	18.4	27.6#

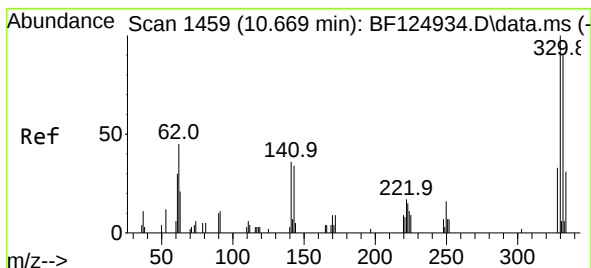
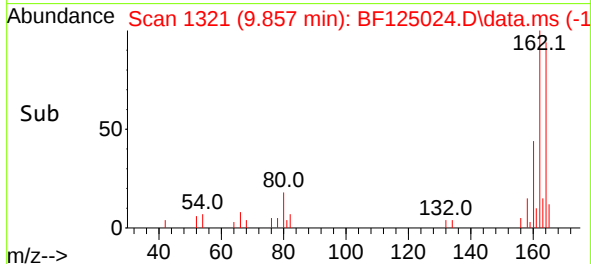
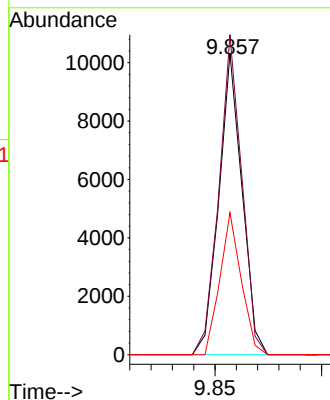
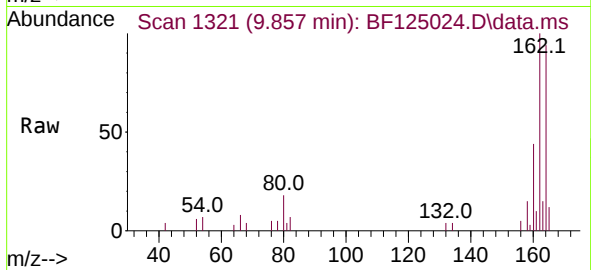




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

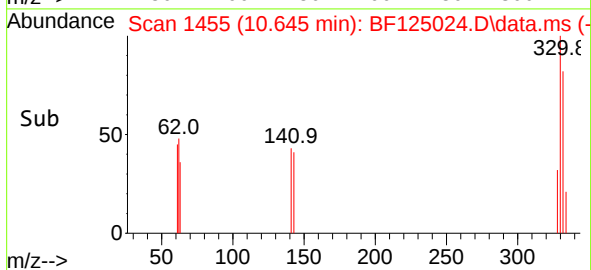
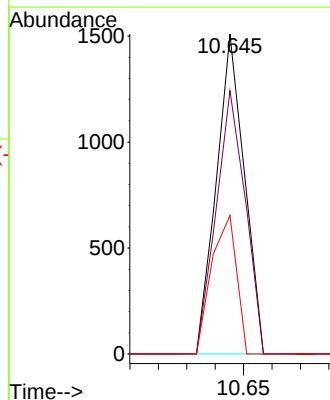
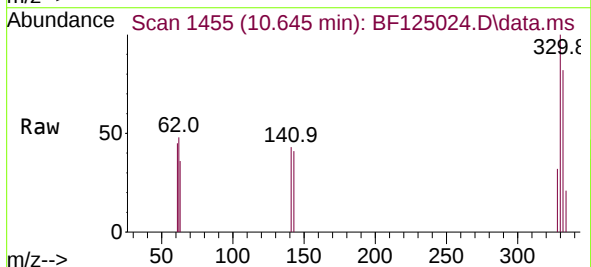
Instrument :
BNA_F
ClientSampleId :
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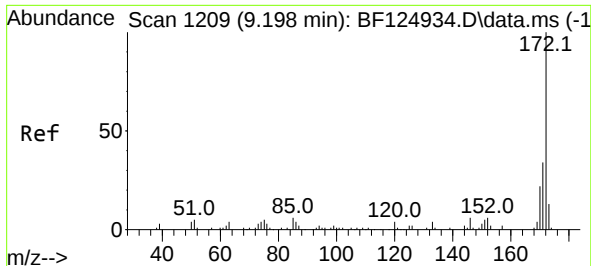
Tgt Ion:164	Resp:	7782
Ion Ratio	Lower	Upper
164	100	
162	106.2	81.3 121.9
160	47.1	38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 14.84 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

Tgt Ion:330	Resp:	1032
Ion Ratio	Lower	Upper
330	100	
332	85.4	76.2 114.4
141	38.5	44.6 66.8#

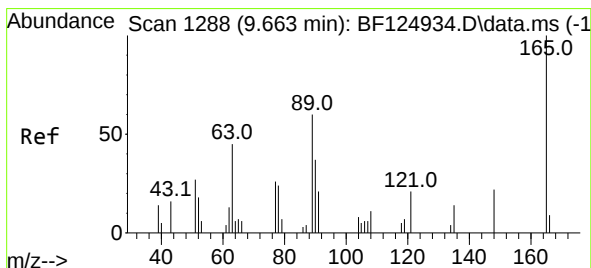
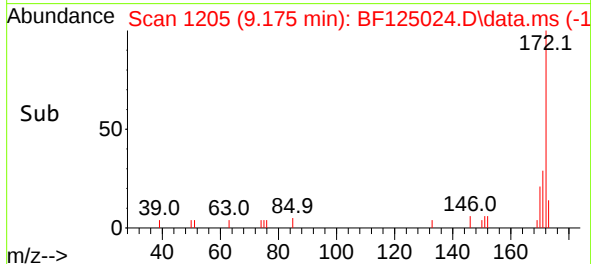
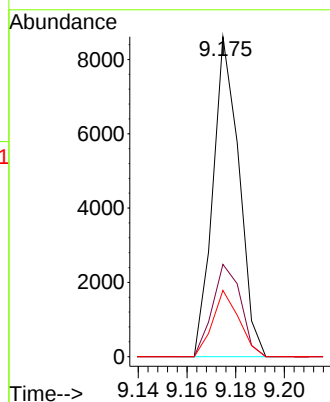
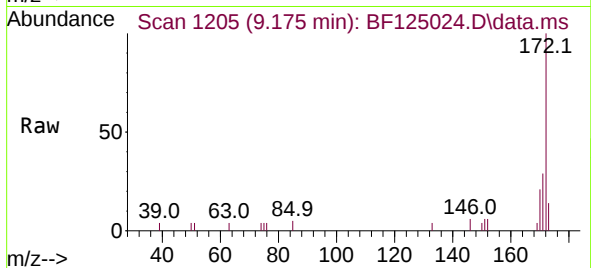




#45
2-Fluorobiphenyl
Concen: 12.05 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

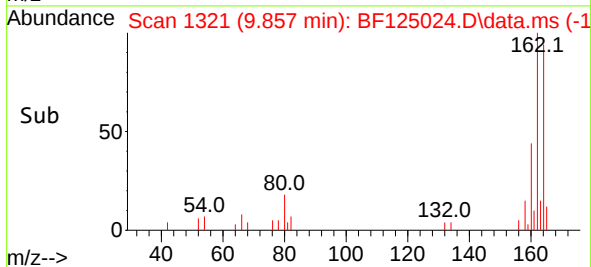
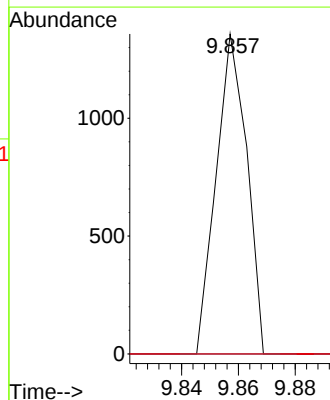
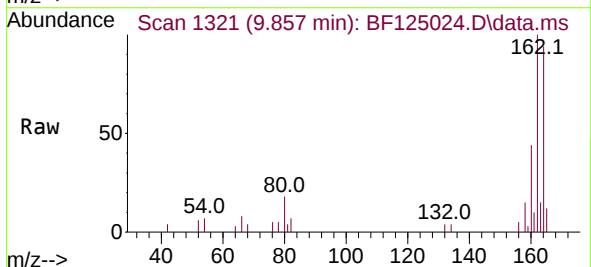
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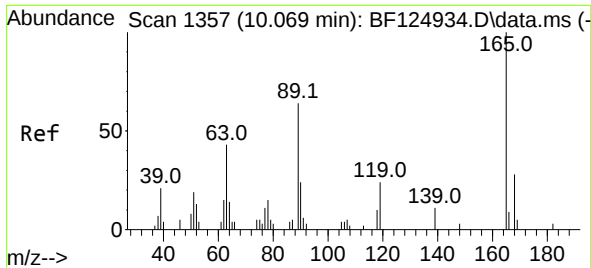
Tgt Ion:172	Resp:	6411
Ion	Ratio	Lower Upper
172	100	
171	28.9	26.5 39.7
170	20.7	18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 8.64 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

Tgt Ion:165	Resp:	1015
Ion	Ratio	Lower Upper
165	100	
63	0.0	42.6 63.8#
89	0.0	40.6 60.8#

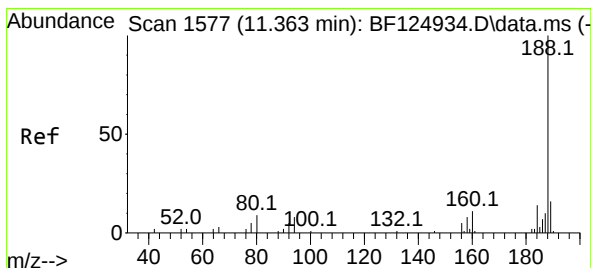
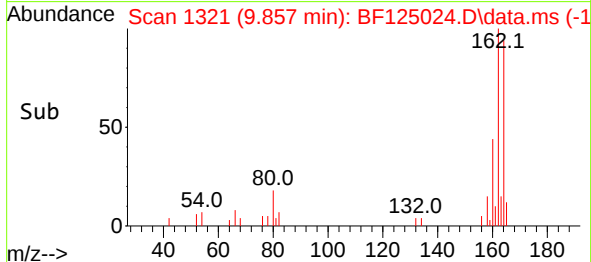
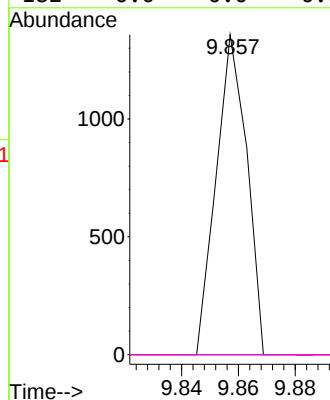
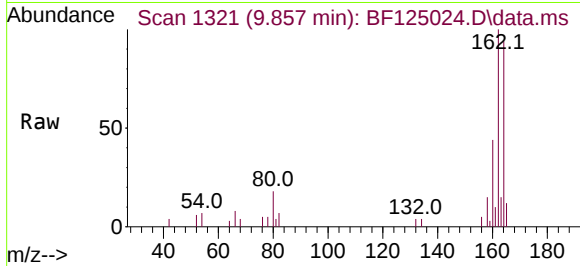




#57
2,4-Dinitrotoluene
Concen: 6.37 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

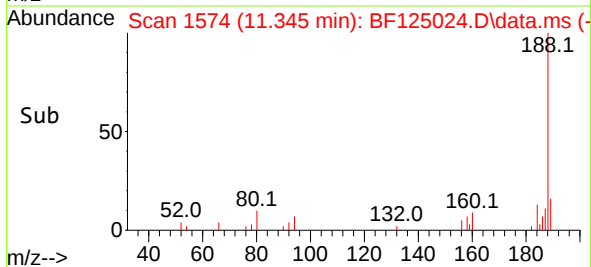
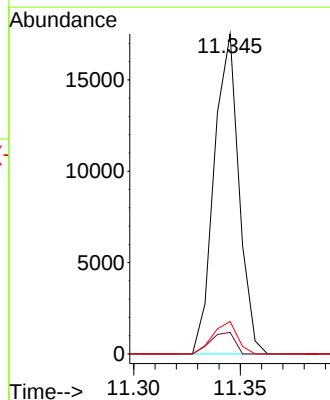
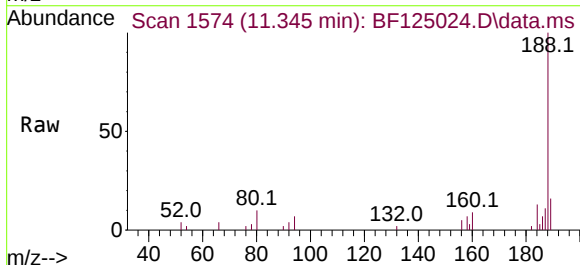
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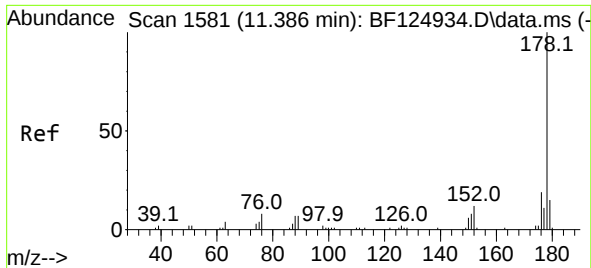
Tgt Ion:165	Resp:	1015
Ion Ratio	Lower	Upper
165	100	
63	0.0	40.9 61.3#
89	0.0	59.7 89.5#
182	0.0	0.0 0.0



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

Tgt Ion:188	Resp:	14155
Ion Ratio	Lower	Upper
188	100	
94	6.8	6.7 10.1
80	10.2	7.5 11.3

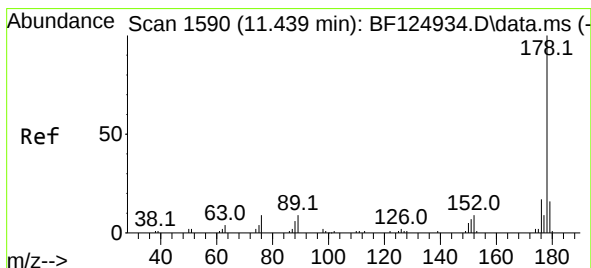
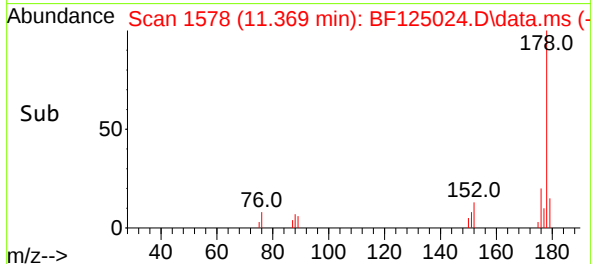
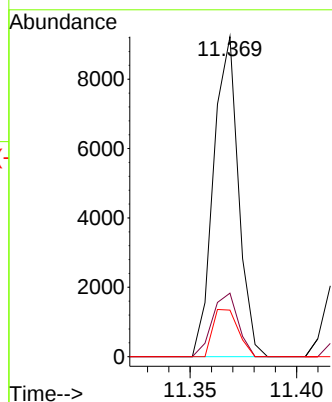
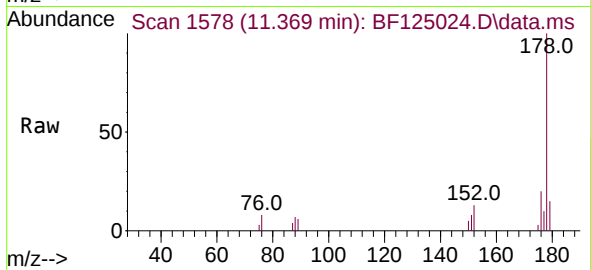




#71
Phenanthrene
Concen: 9.76 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

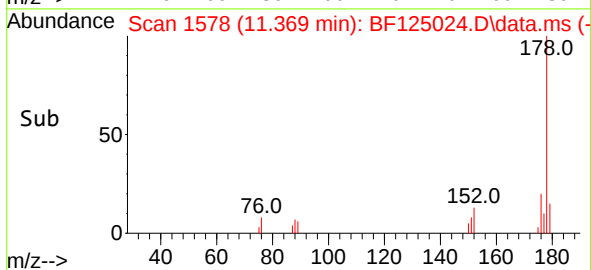
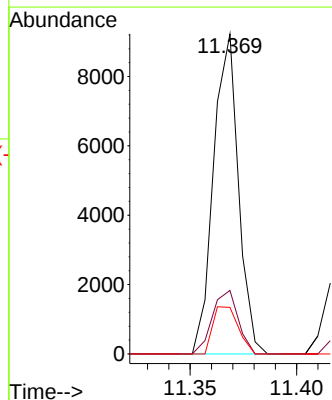
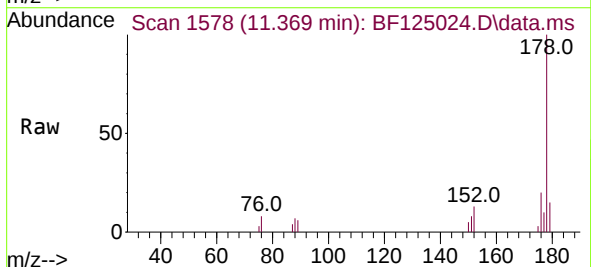
Instrument :
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ClientSampleId :
OK-02-08062021

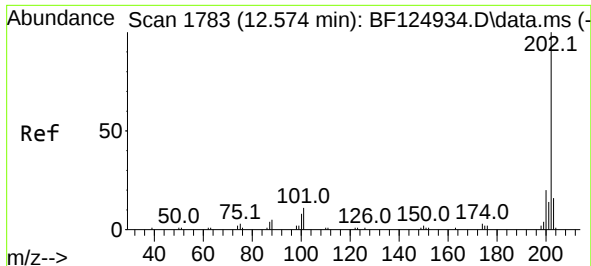
Tgt Ion:178 Resp: 7497
Ion Ratio Lower Upper
178 100
176 19.9 14.7 22.1
179 14.5 11.5 17.3



#72
Anthracene
Concen: 9.73 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.053 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

Tgt Ion:178 Resp: 7497
Ion Ratio Lower Upper
178 100
176 19.9 14.3 21.5
179 14.5 12.2 18.4

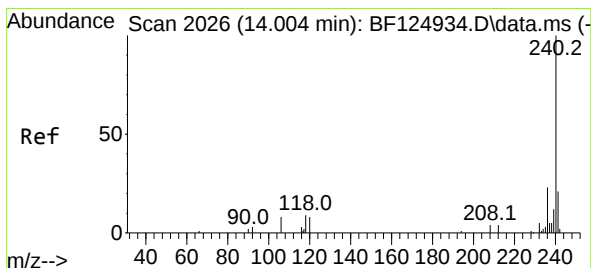
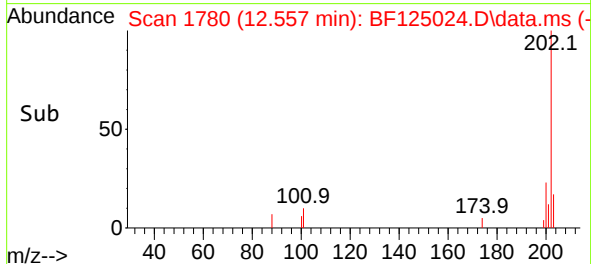
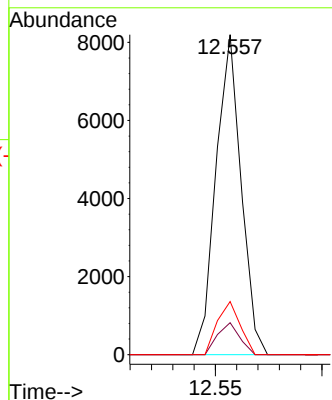
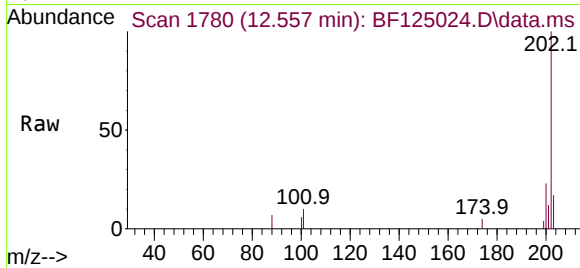




#75
Fluoranthene
Concen: 8.46 ng
RT: 12.557 min Scan# 1780
Delta R.T. 0.000 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

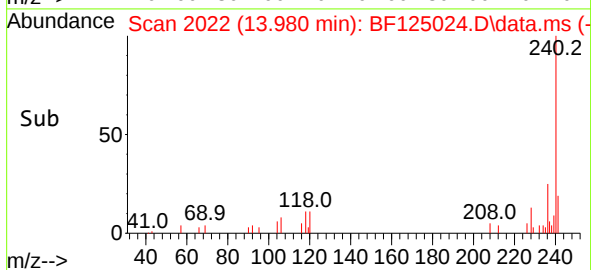
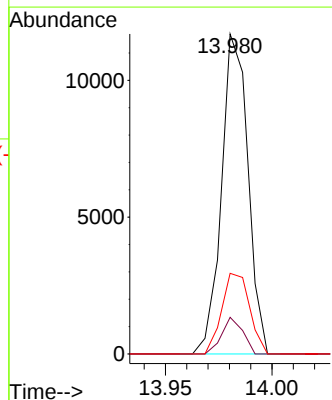
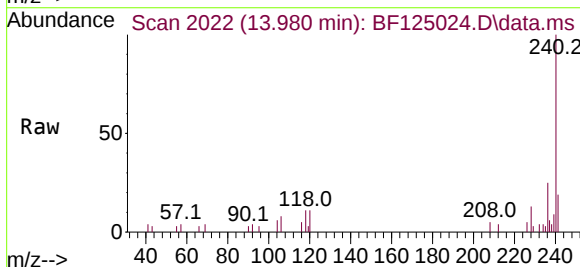
Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

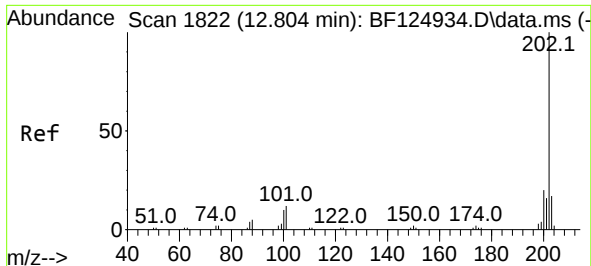
Tgt Ion:202	Resp:	6724
Ion Ratio	Lower	Upper
202	100	
101	10.0	0.0 30.7
203	16.6	0.0 36.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

Tgt Ion:240	Resp:	10087
Ion Ratio	Lower	Upper
240	100	
120	11.4	10.8 16.2
236	25.2	21.6 32.4

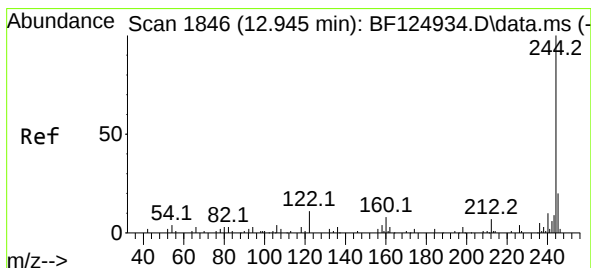
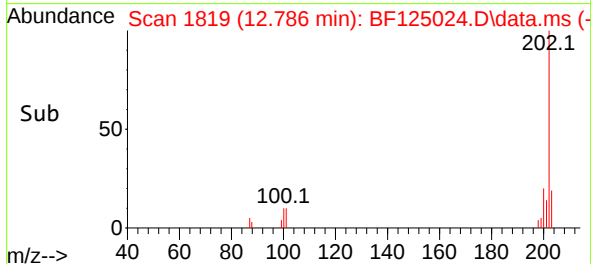
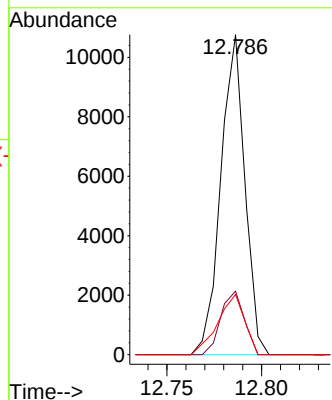
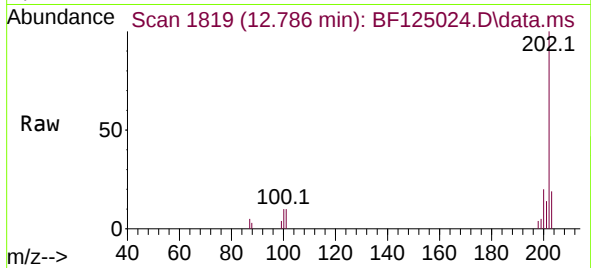




#78
Pyrene
Concen: 11.95 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

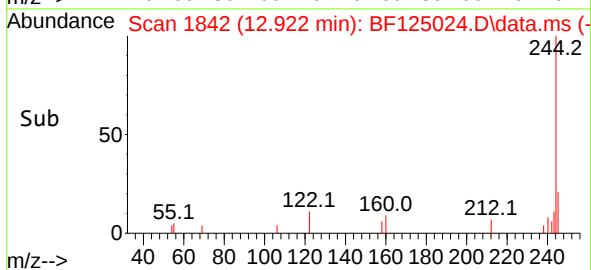
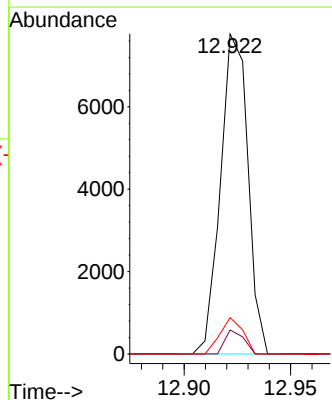
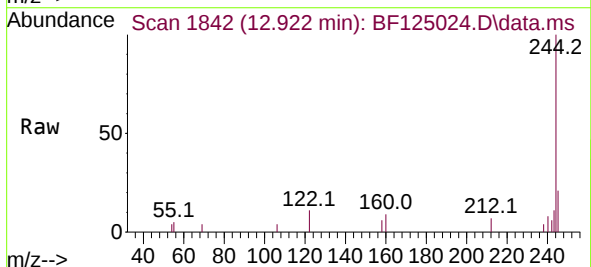
Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

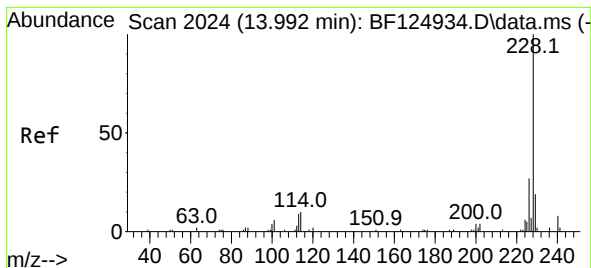
Tgt Ion:202 Resp: 9498
Ion Ratio Lower Upper
202 100
200 19.9 15.3 22.9
203 18.8 13.4 20.0



#79
Terphenyl-d14
Concen: 11.63 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

Tgt Ion:244 Resp: 6956
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 11.3 9.0 13.4





#81

Benzo(a)anthracene

Concen: 5.19 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF125024.D

Acq: 10 Aug 2021 3:31

Tgt Ion:228 Resp: 3411

Ion Ratio Lower Upper

228 100

226 31.6 21.6 32.4

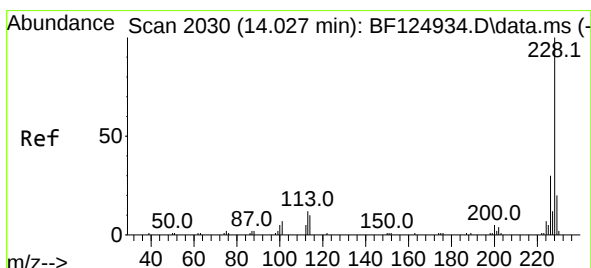
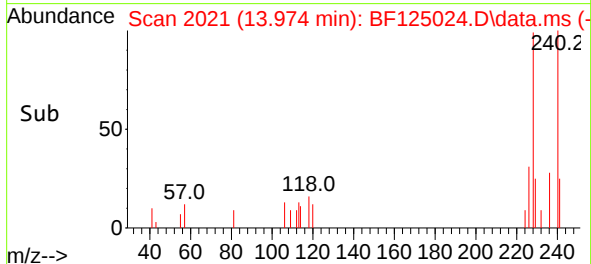
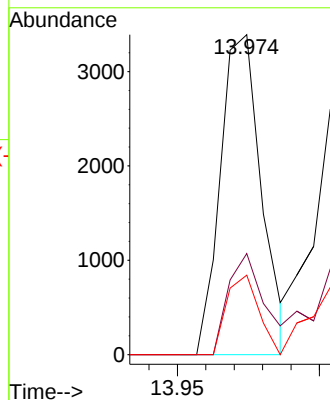
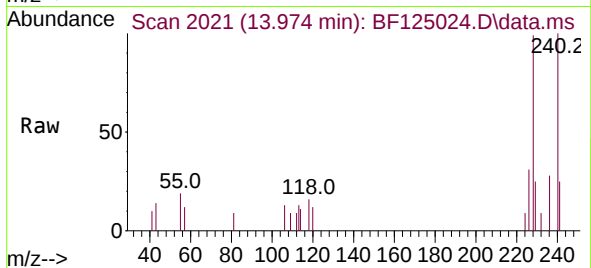
229 24.9 15.6 23.4#

Instrument :

BNA_F

ClientSampleId :

OK-02-08062021



#83

Chrysene

Concen: 4.91 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF125024.D

Acq: 10 Aug 2021 3:31

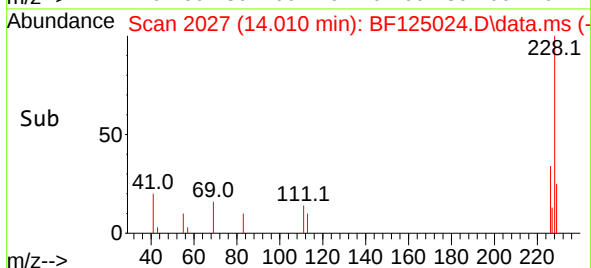
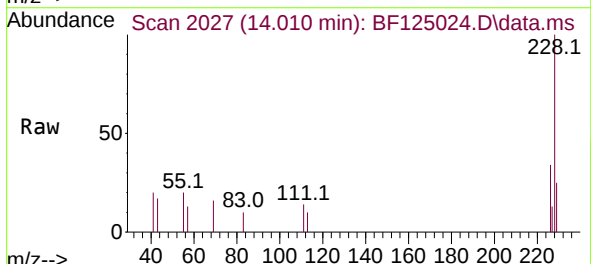
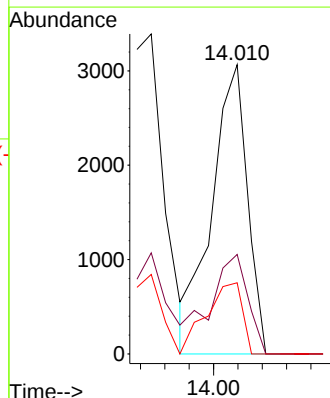
Tgt Ion:228 Resp: 3123

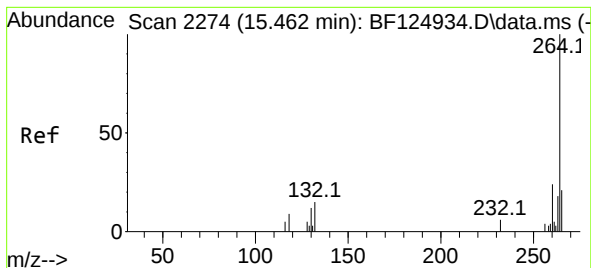
Ion Ratio Lower Upper

228 100

226 34.4 22.6 34.0#

229 24.6 15.9 23.9#

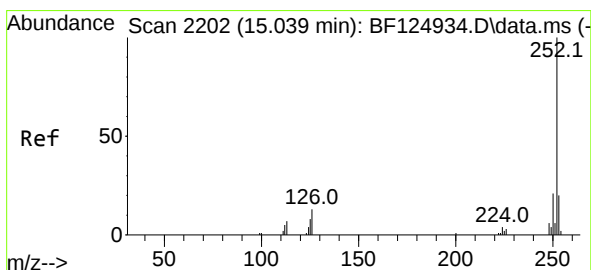
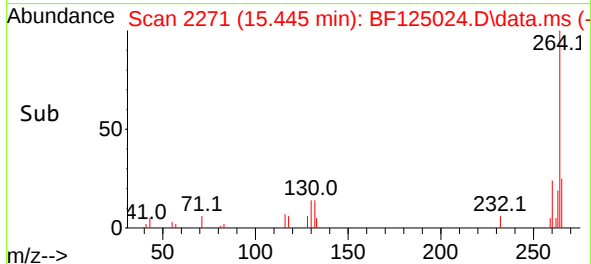
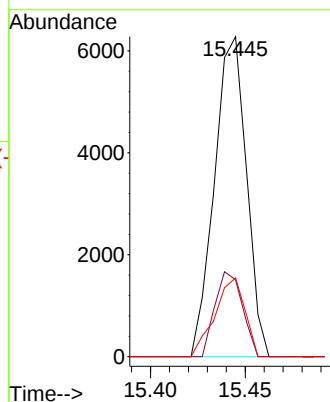
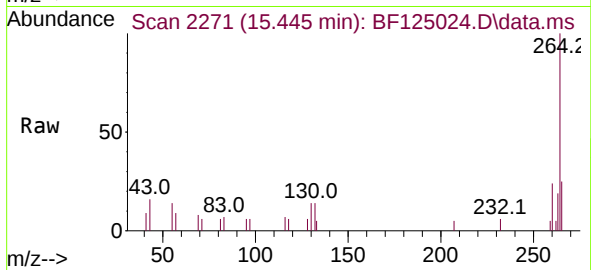




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

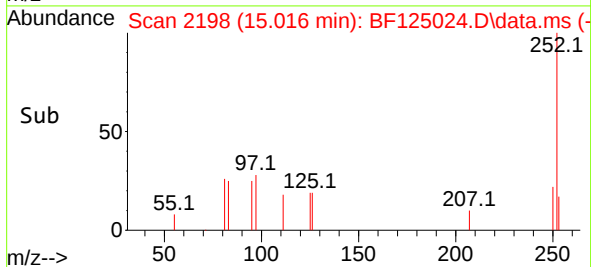
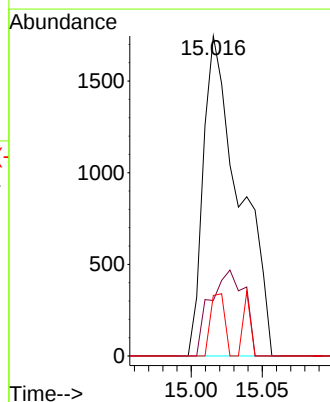
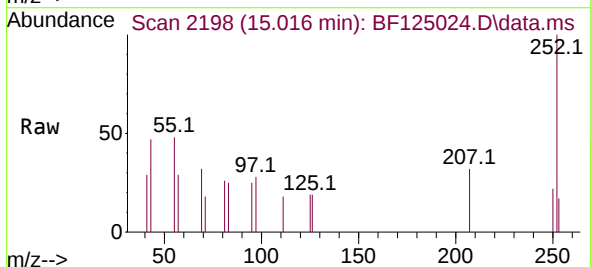
Instrument :
BNA_F
ClientSampleId :
OK-02-08062021

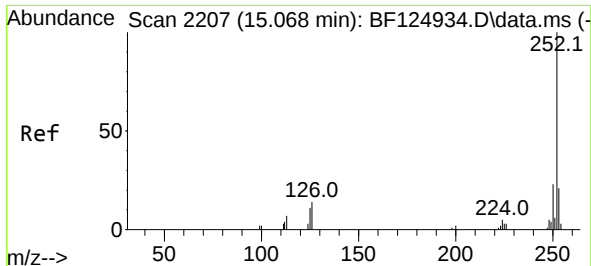
Tgt Ion:264 Resp: 7374
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 24.6 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 5.98 ng
RT: 15.016 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF125024.D
Acq: 10 Aug 2021 3:31

Tgt Ion:252 Resp: 3098
Ion Ratio Lower Upper
252 100
253 17.4 16.8 25.2
125 18.9 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 6.58 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF125024.D

Acq: 10 Aug 2021 3:31

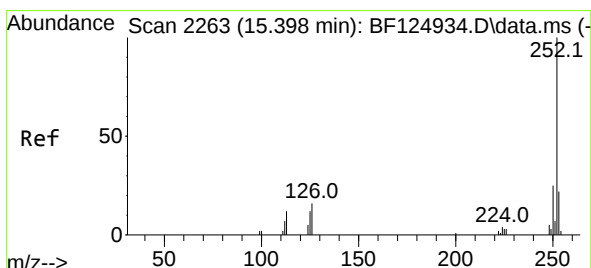
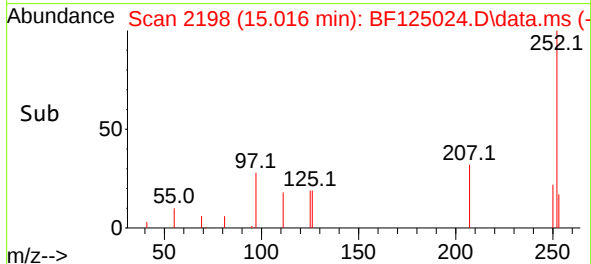
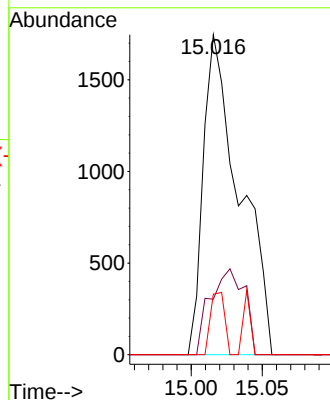
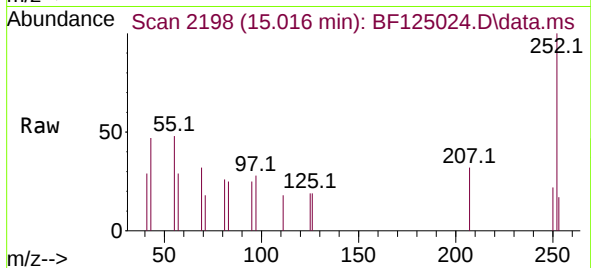
Instrument :

BNA_F

ClientSampleId :

OK-02-08062021

Tgt Ion:252 Resp: 3098
 Ion Ratio Lower Upper
 252 100
 253 17.4 17.8 26.8#
 125 18.9 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 4.53 ng

RT: 15.380 min Scan# 2260

Delta R.T. 0.006 min

Lab File: BF125024.D

Acq: 10 Aug 2021 3:31

Tgt Ion:252 Resp: 1998
 Ion Ratio Lower Upper
 252 100
 253 19.8 18.4 27.6
 125 22.2 9.9 14.9#

