

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143455.D
 Acq On : 19 Aug 2025 14:28
 Operator : RC/JU
 Sample : Q2879-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP07-081425

Quant Time: Aug 19 14:51:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

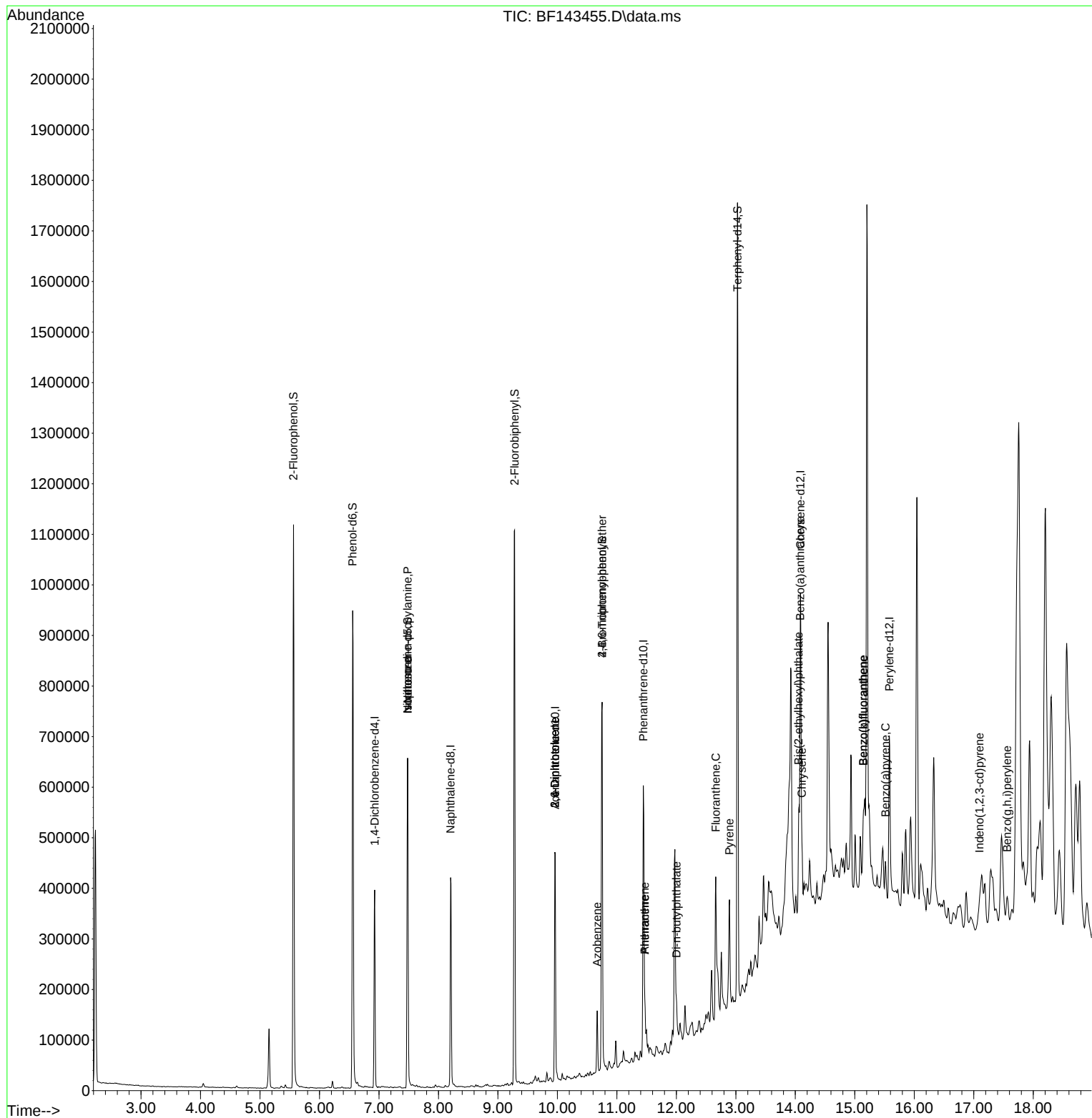
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	81535	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	266043	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	139719	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	269890	20.000	ng	0.00
76) Chrysene-d12	14.086	240	272023	20.000	ng	0.00
86) Perylene-d12	15.580	264	174368	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	408333	87.057	ng	0.00
7) Phenol-d6	6.557	99	437182	73.960	ng	0.00
23) Nitrobenzene-d5	7.481	82	275314	61.407	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	128719	103.505	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	499605	60.144	ng	0.00
79) Terphenyl-d14	13.027	244	755405	46.649	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	36852	10.070	ng	# 78
25) Isophorone	7.481	82	275311	32.084	ng	# 65
51) 2,6-Dinitrotoluene	9.957	165	18542	10.798	ng	# 24
57) 2,4-Dinitrotoluene	9.957	165	18543	8.099	ng	# 25
63) Azobenzene	10.669	77	30370	3.733	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	8482	2.661	ng	# 1
71) Phenanthrene	11.469	178	43999	3.011	ng	99
72) Anthracene	11.469	178	43999	2.981	ng	99
74) Di-n-butylphthalate	12.004	149	30134	2.424	ng	98
75) Fluoranthene	12.663	202	136964	10.547	ng	99
78) Pyrene	12.892	202	122974	5.201	ng	99
81) Benzo(a)anthracene	14.080	228	67916	3.922	ng	93
83) Chrysene	14.110	228	74599	4.659	ng	97
84) Bis(2-ethylhexyl)phtha...	14.057	149	74678	8.979	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	29277	2.239	ng	96
88) Benzo(b)fluoranthene	15.145	252	94459	10.108	ng	# 89
89) Benzo(k)fluoranthene	15.145	252	94459	10.248	ng	# 89
90) Benzo(a)pyrene	15.515	252	40917	4.597	ng	# 89
92) Benzo(g,h,i)perylene	17.562	276	29859	2.846	ng	# 91

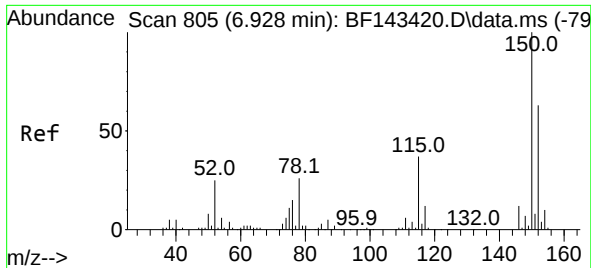
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143455.D
Acq On : 19 Aug 2025 14:28
Operator : RC/JU
Sample : Q2879-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

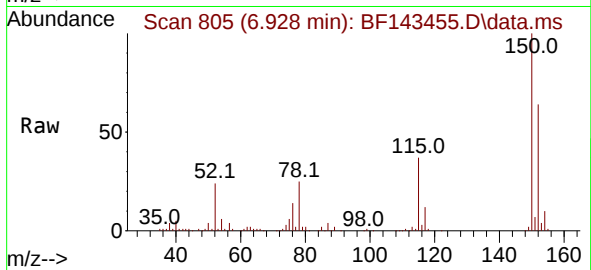
Quant Time: Aug 19 14:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration



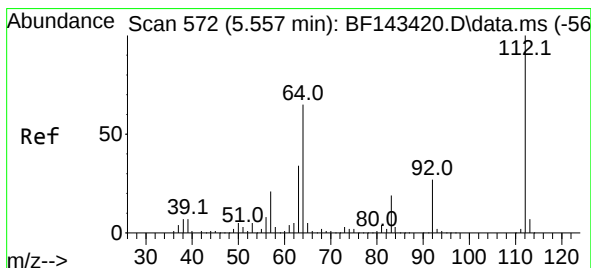
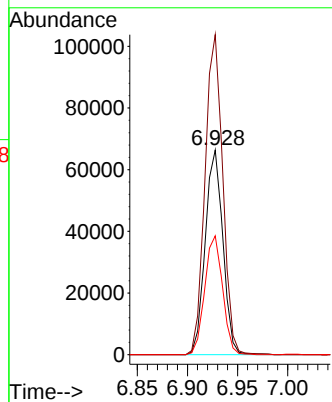
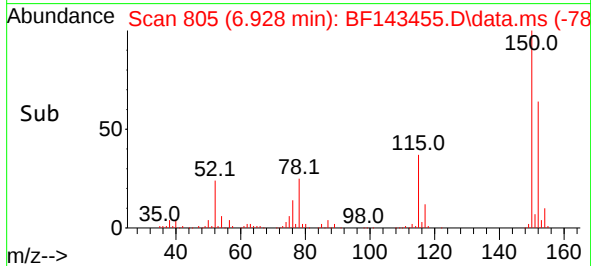


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

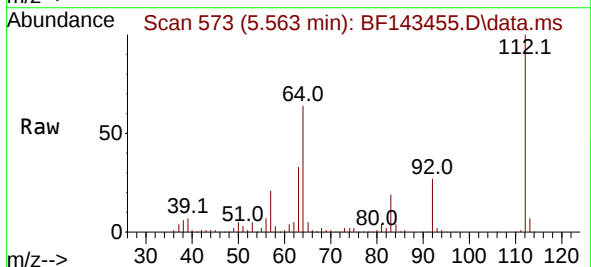
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



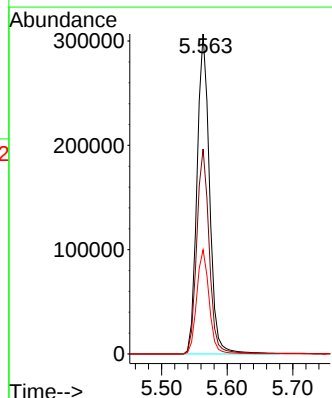
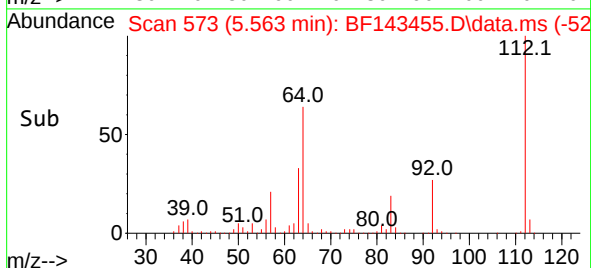
Tgt Ion:152 Resp: 81535
Ion Ratio Lower Upper
152 100
150 156.4 127.4 191.2
115 58.1 47.5 71.3

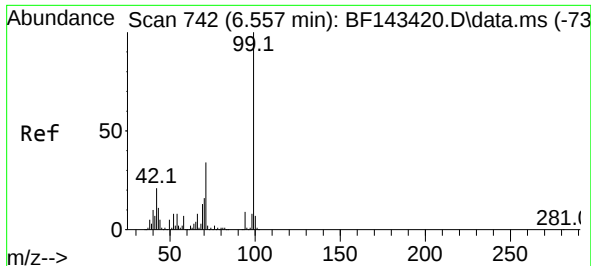


#5
2-Fluorophenol
Concen: 87.057 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28



Tgt Ion:112 Resp: 408333
Ion Ratio Lower Upper
112 100
64 64.0 52.2 78.2
63 32.5 27.0 40.6

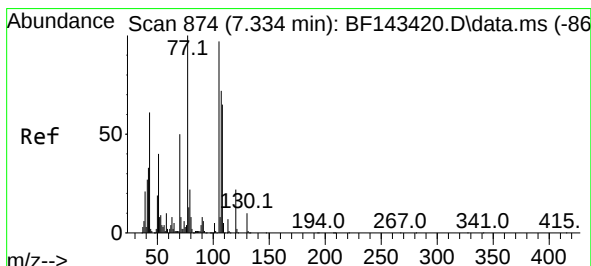
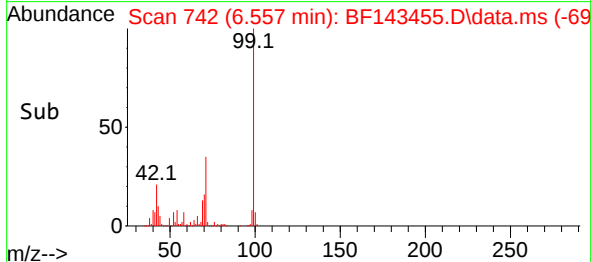
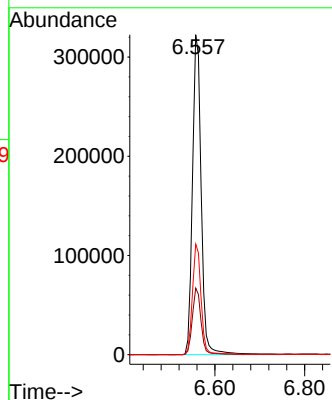
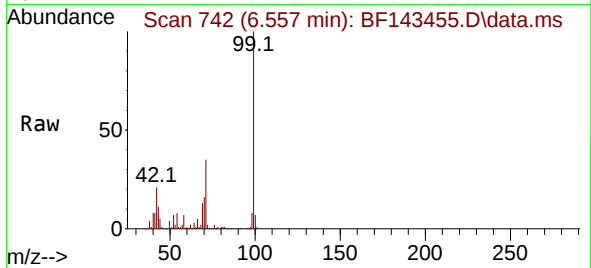




#7
Phenol-d6
Concen: 73.960 ng
RT: 6.557 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

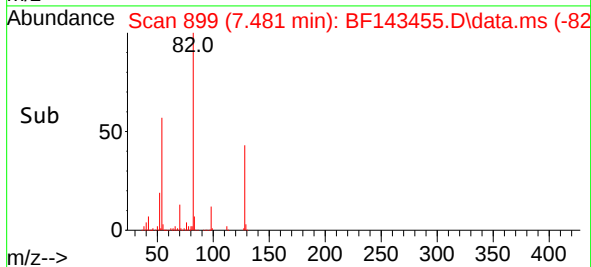
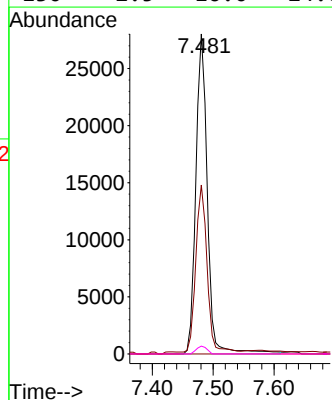
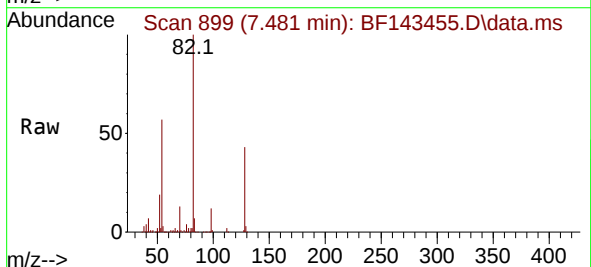
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

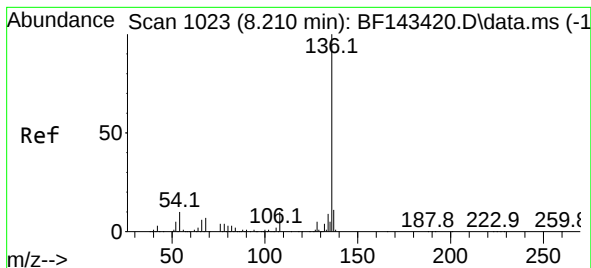
Tgt Ion: 99 Resp: 437182
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 34.5 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.070 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion: 70 Resp: 36852
Ion Ratio Lower Upper
70 100
42 52.8 52.5 78.7
101 0.0 7.9 11.9#
130 2.5 16.0 24.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.204 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:136 Resp: 266043

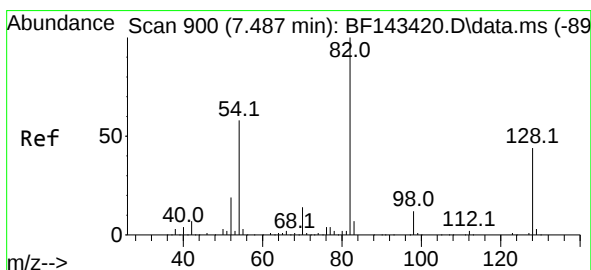
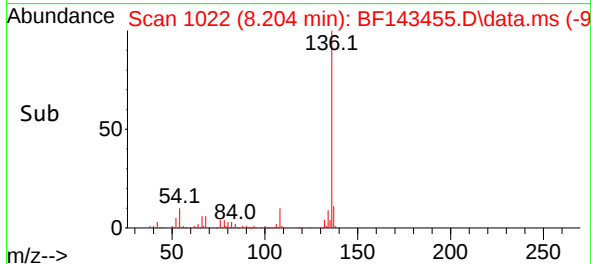
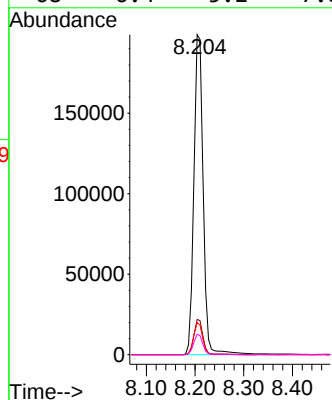
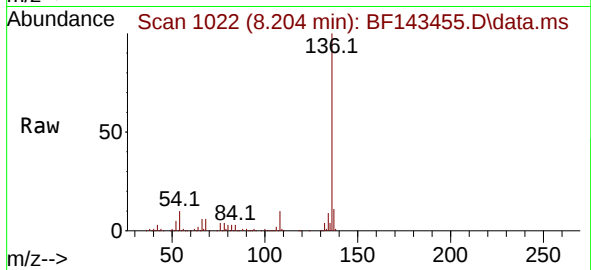
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 10.0 7.8 11.8

68 6.4 5.2 7.8



#23

Nitrobenzene-d5

Concen: 61.407 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

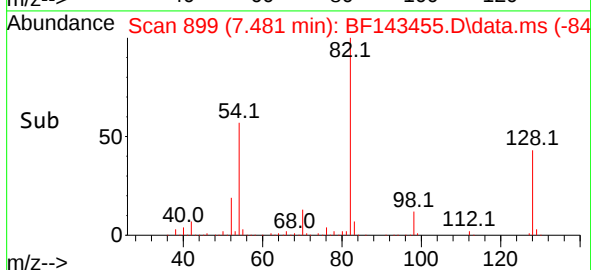
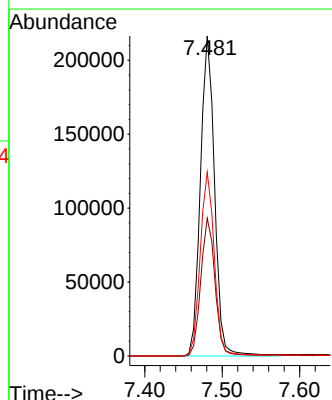
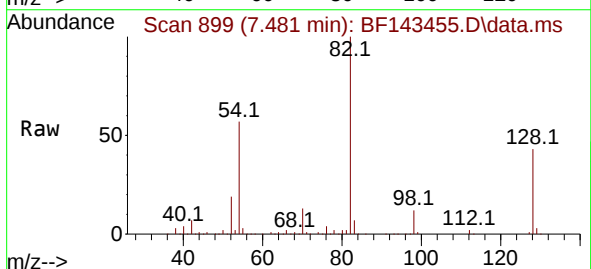
Tgt Ion: 82 Resp: 275314

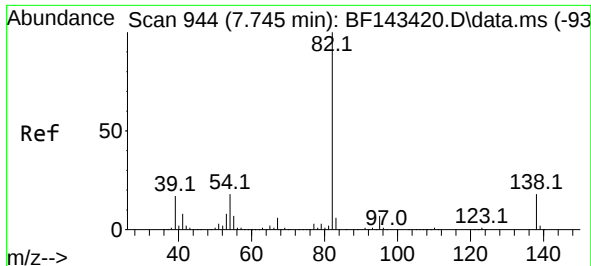
Ion Ratio Lower Upper

82 100

128 43.1 34.6 52.0

54 57.4 46.0 69.0

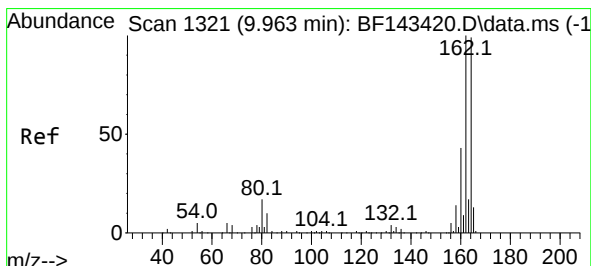
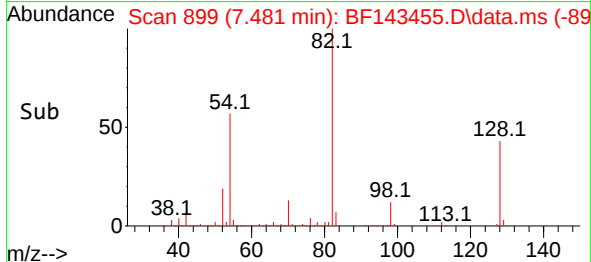
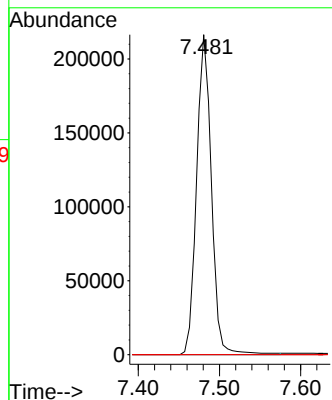
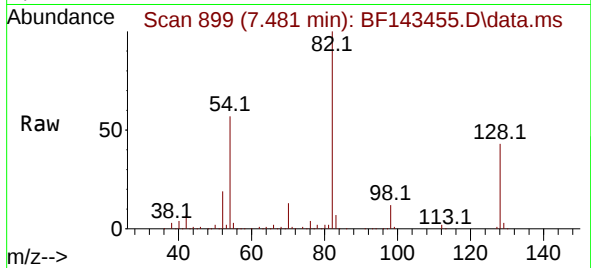




#25
Isophorone
Concen: 32.084 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

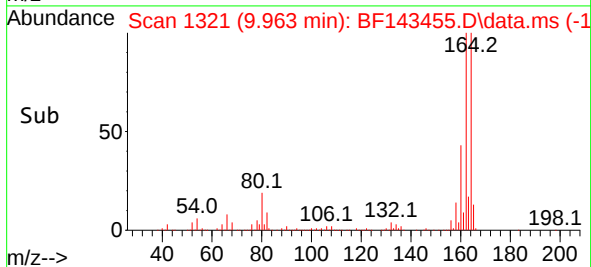
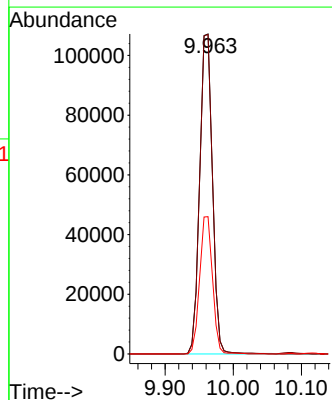
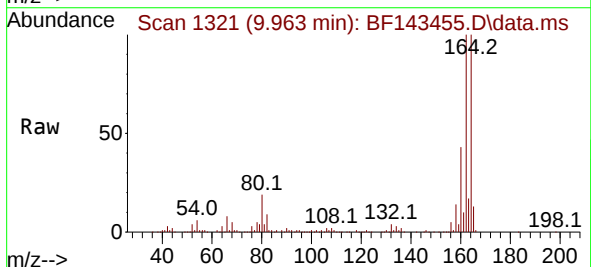
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

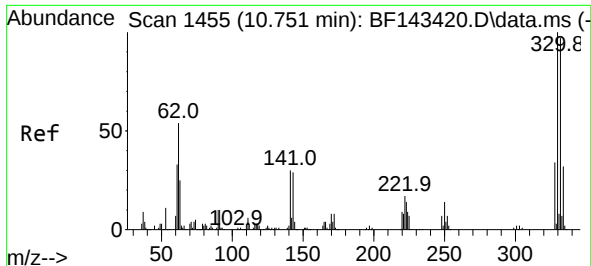
Tgt Ion: 82 Resp: 275311
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:164 Resp: 139719
Ion Ratio Lower Upper
164 100
162 99.9 80.6 121.0
160 42.9 34.6 51.8

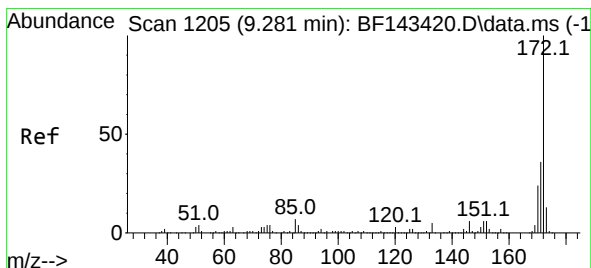
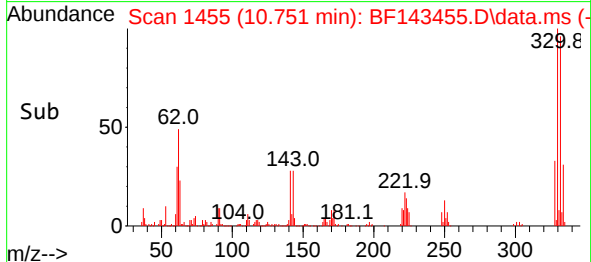
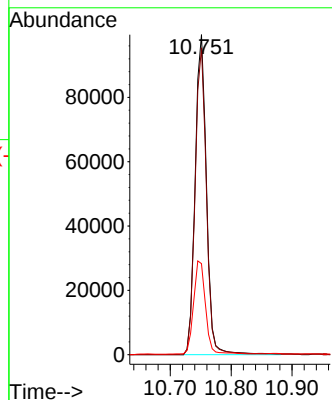
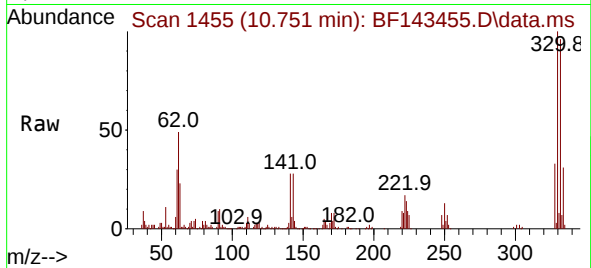




#42
2,4,6-Tribromophenol
Concen: 103.505 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

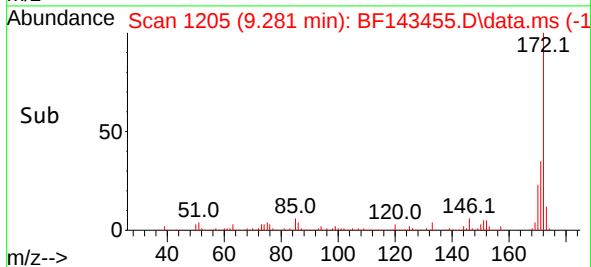
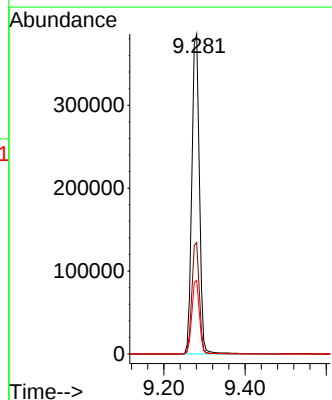
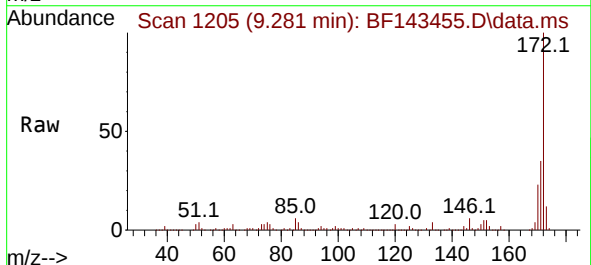
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

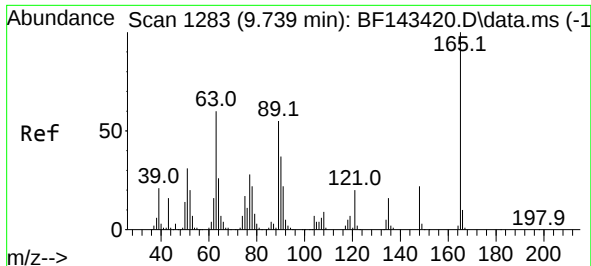
Tgt Ion:330 Resp: 128719
Ion Ratio Lower Upper
330 100
332 95.4 77.4 116.2
141 30.6 24.1 36.1



#45
2-Fluorobiphenyl
Concen: 60.144 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:172 Resp: 499605
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 23.0 19.0 28.6

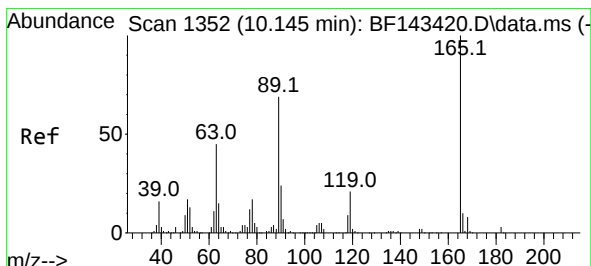
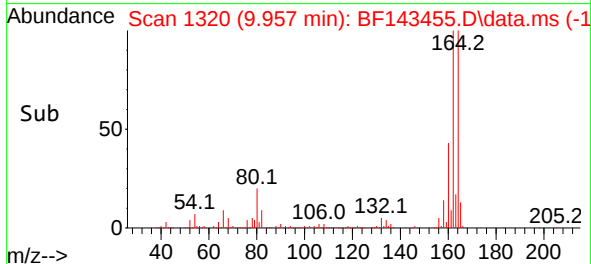
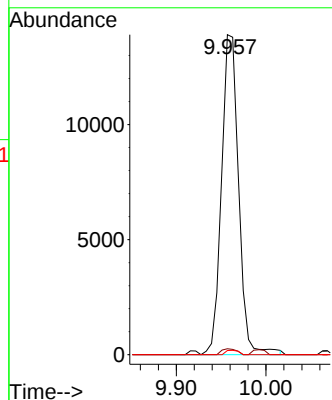
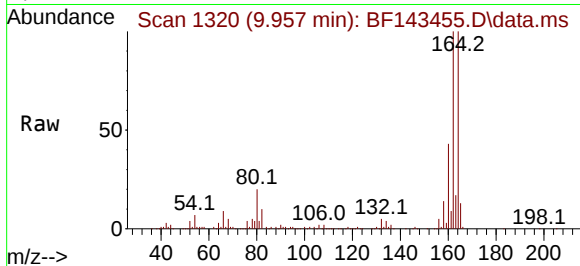




#51
2,6-Dinitrotoluene
Concen: 10.798 ng
RT: 9.957 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

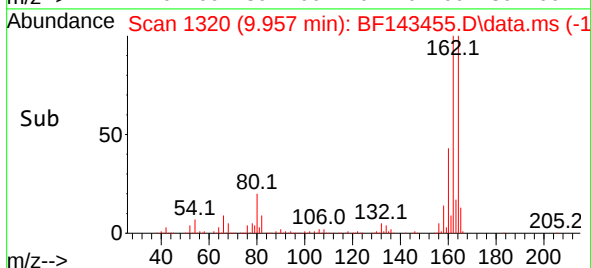
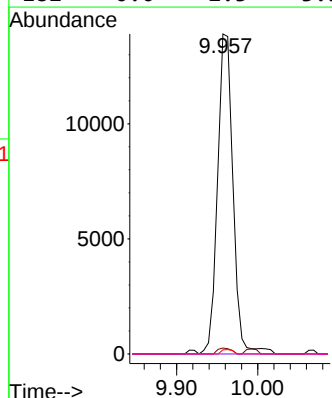
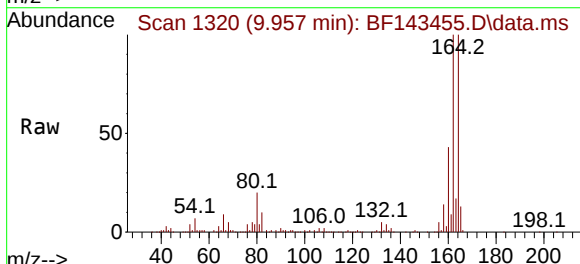
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

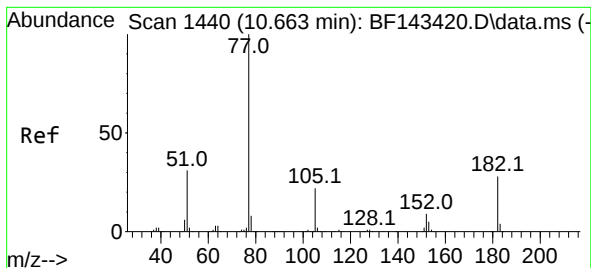
Tgt Ion:165 Resp: 18542
Ion Ratio Lower Upper
165 100
63 1.8 48.2 72.2#
89 1.3 44.2 66.2#



#57
2,4-Dinitrotoluene
Concen: 8.099 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:165 Resp: 18543
Ion Ratio Lower Upper
165 100
63 1.8 37.0 55.6#
89 1.3 55.4 83.0#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 3.733 ng

RT: 10.669 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

Tgt Ion: 77 Resp: 30370

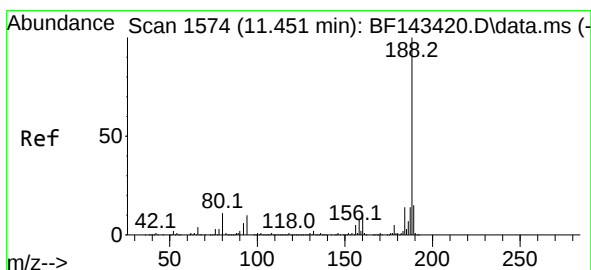
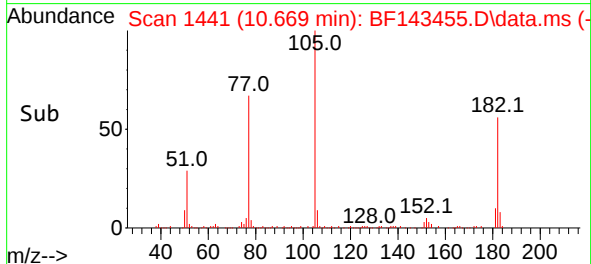
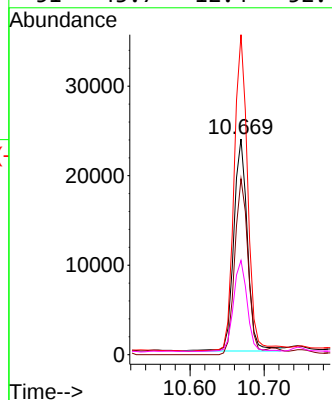
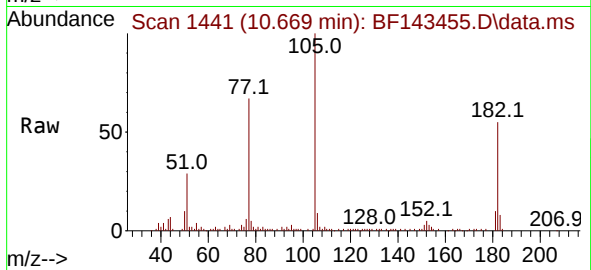
Ion Ratio Lower Upper

77 100

182 81.6 7.4 47.4#

105 148.4 1.7 41.7#

51 43.7 12.4 52.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

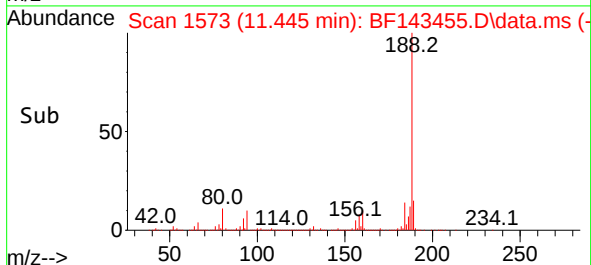
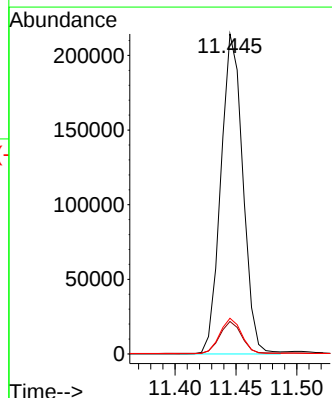
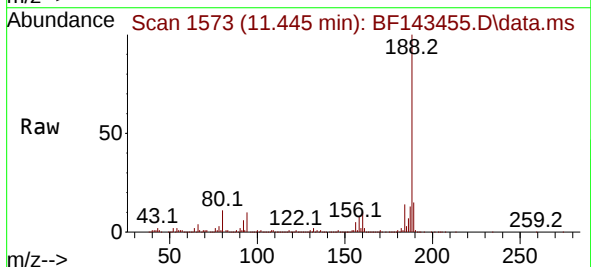
Tgt Ion:188 Resp: 269890

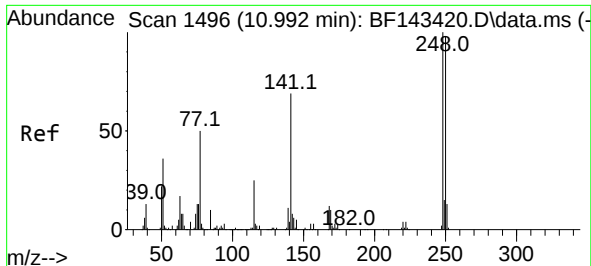
Ion Ratio Lower Upper

188 100

94 10.1 8.0 12.0

80 11.2 8.6 12.8

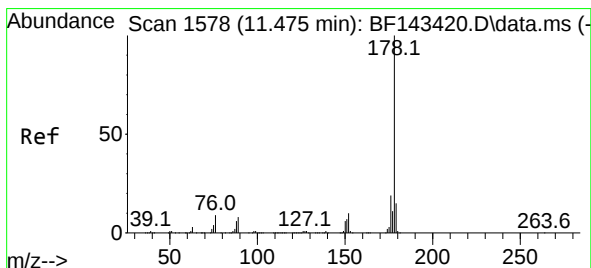
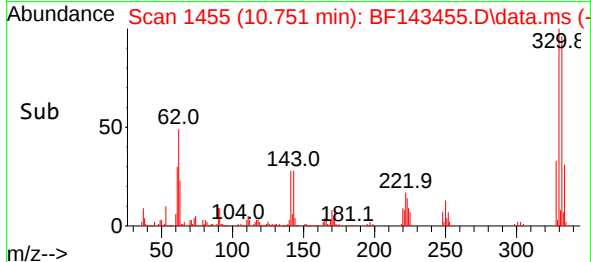
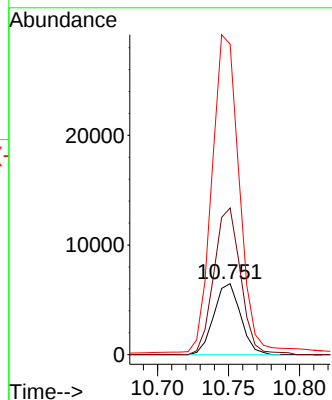
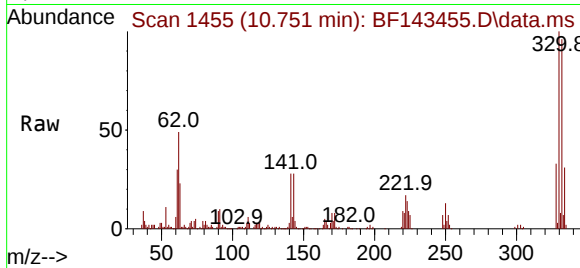




#67
4-Bromophenyl-phenylether
Concen: 2.661 ng
RT: 10.751 min Scan# 1496
Delta R.T. -0.241 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

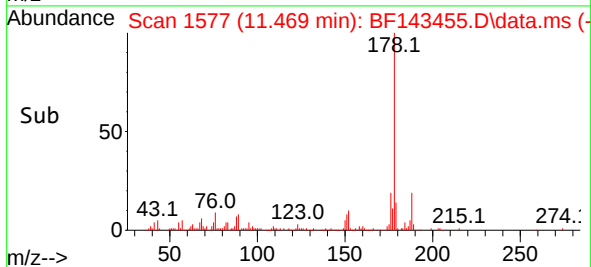
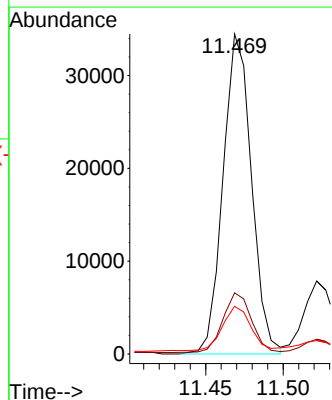
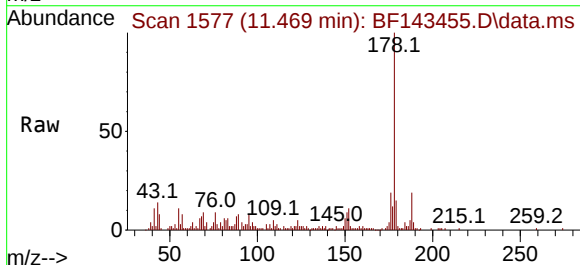
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

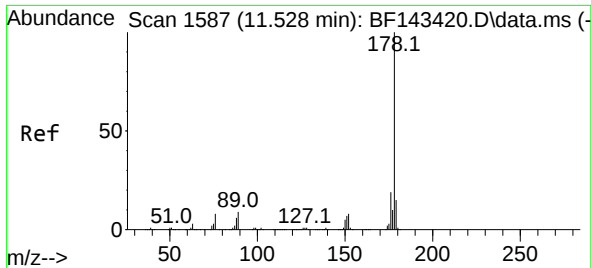
Tgt Ion:248 Resp: 8482
Ion Ratio Lower Upper
248 100
250 206.4 78.6 118.0#
141 436.7 54.9 82.3#



#71
Phenanthrene
Concen: 3.011 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:178 Resp: 43999
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 14.9 12.3 18.5

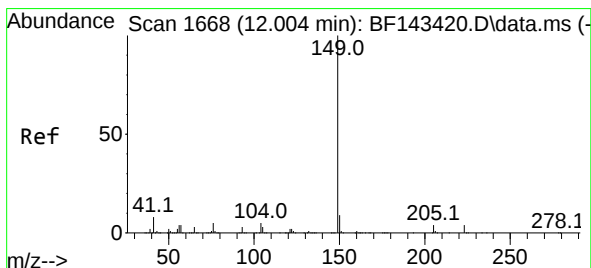
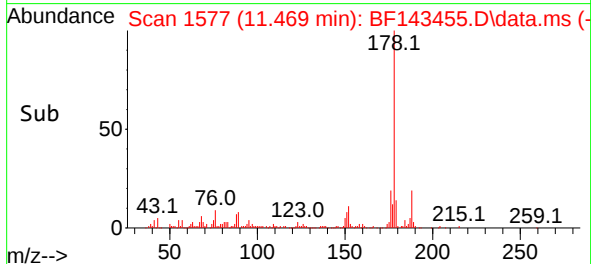
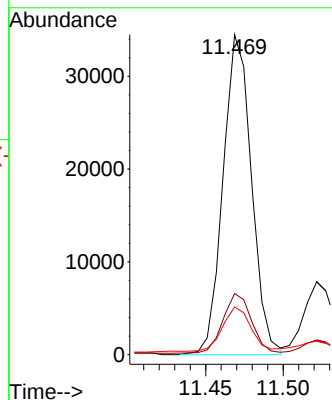
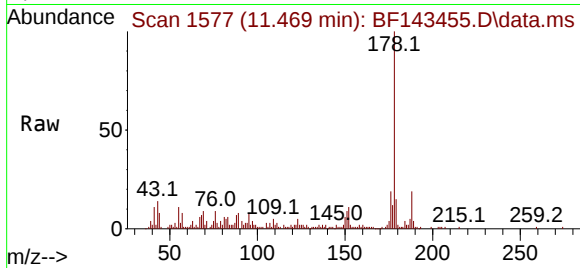




#72
 Anthracene
 Concen: 2.981 ng
 RT: 11.469 min Scan# 1587
 Delta R.T. -0.059 min
 Lab File: BF143455.D
 Acq: 19 Aug 2025 14:28

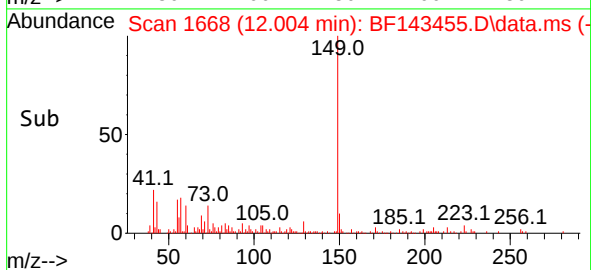
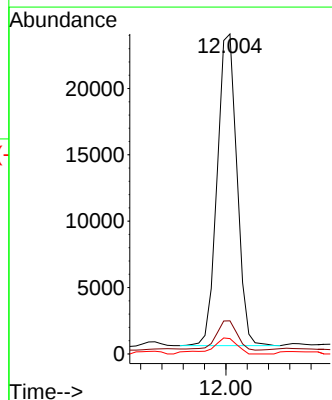
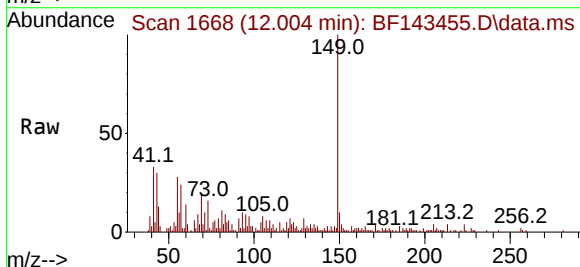
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP07-081425

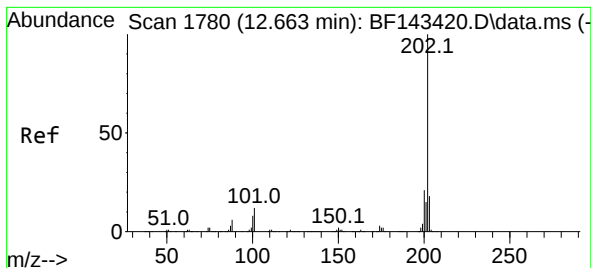
Tgt Ion:178	Resp:	43999
Ion Ratio	Lower	Upper
178	100	
176	19.1	14.8 22.2
179	14.9	12.2 18.4



#74
 Di-n-butylphthalate
 Concen: 2.424 ng
 RT: 12.004 min Scan# 1668
 Delta R.T. -0.000 min
 Lab File: BF143455.D
 Acq: 19 Aug 2025 14:28

Tgt Ion:149	Resp:	30134
Ion Ratio	Lower	Upper
149	100	
150	10.4	7.3 10.9
104	4.8	3.8 5.6





#75

Fluoranthene

Concen: 10.547 ng

RT: 12.663 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

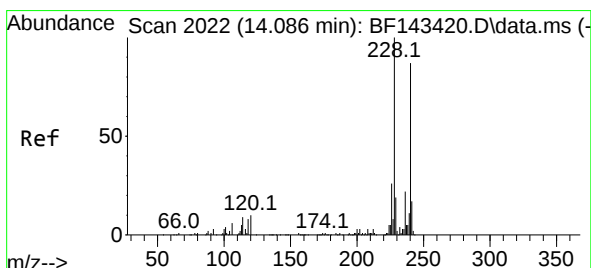
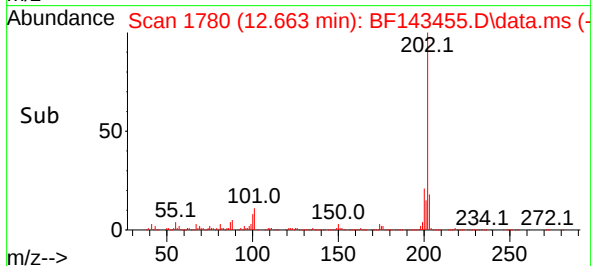
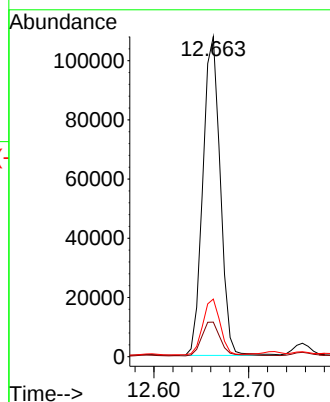
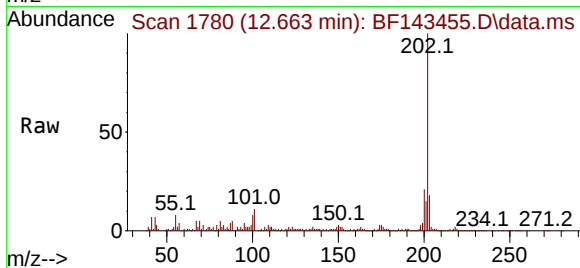
Tgt Ion:202 Resp: 136964

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.5

203 18.0 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

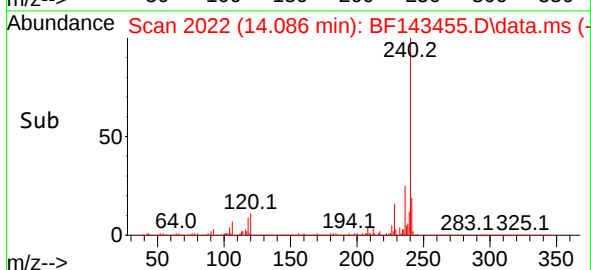
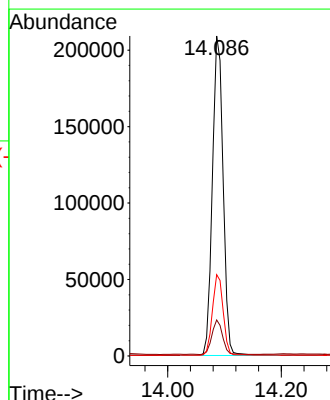
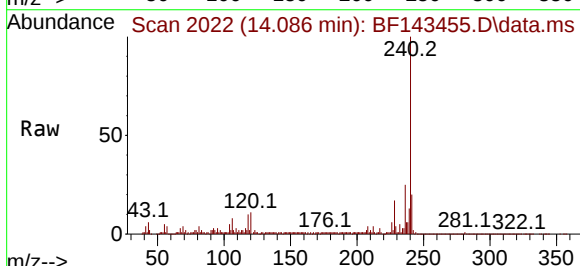
Tgt Ion:240 Resp: 272023

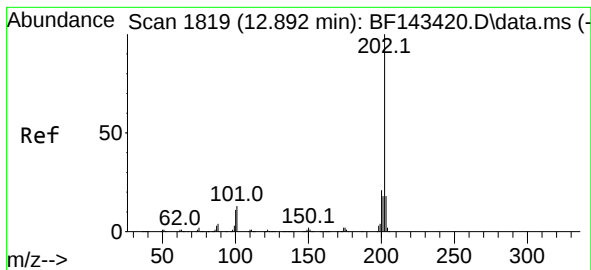
Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.4

236 25.4 20.2 30.2





#78

Pyrene

Concen: 5.201 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.000 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

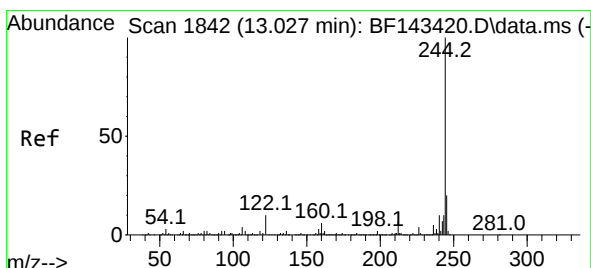
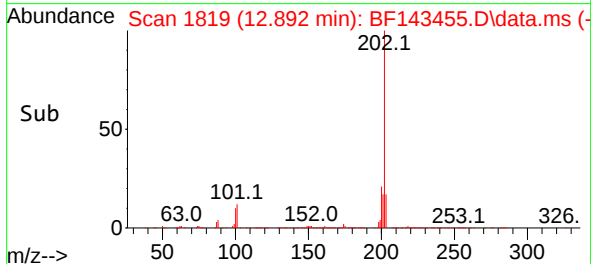
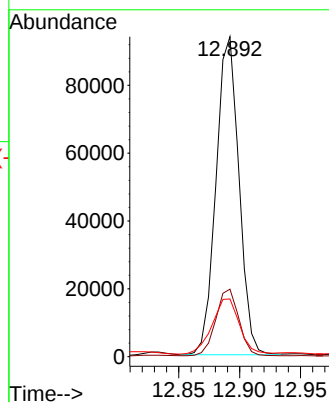
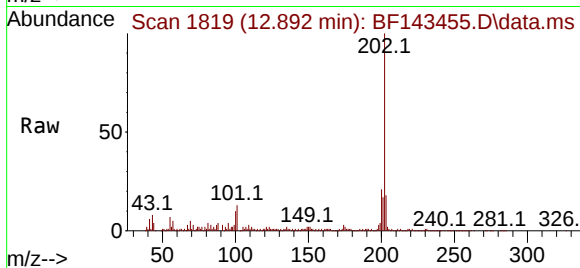
Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:	202	Resp:	122974
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.1	25.7
203	18.1	14.2	21.2



#79

Terphenyl-d14

Concen: 46.649 ng

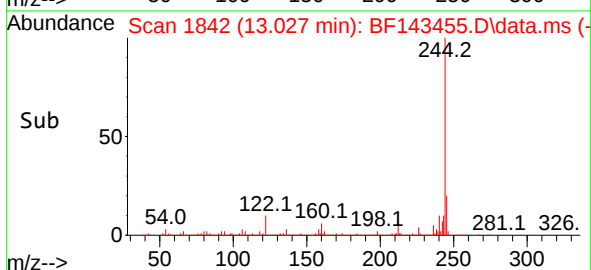
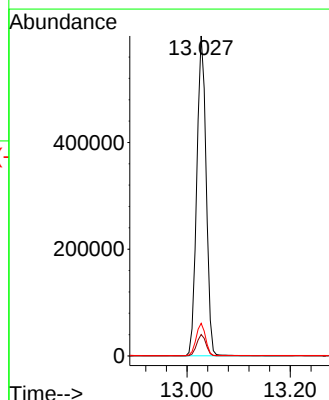
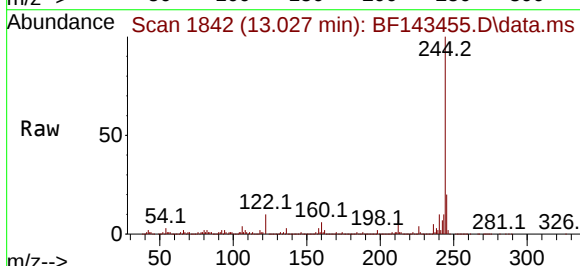
RT: 13.027 min Scan# 1842

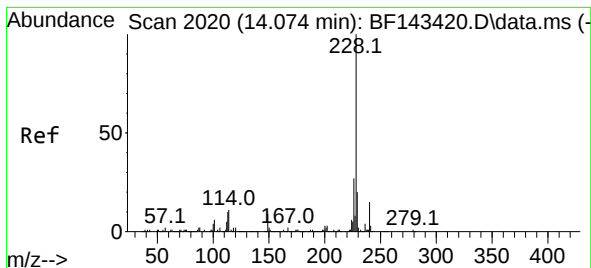
Delta R.T. -0.000 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

Tgt Ion:	244	Resp:	755405
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.2	7.8
122	10.2	8.3	12.5





#81

Benzo(a)anthracene

Concen: 3.922 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

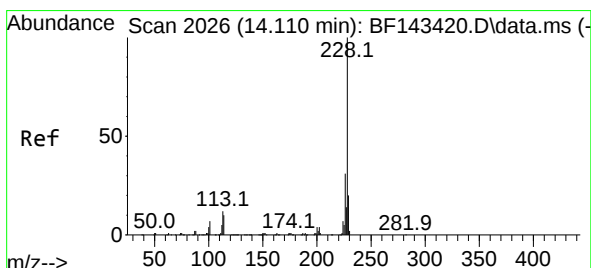
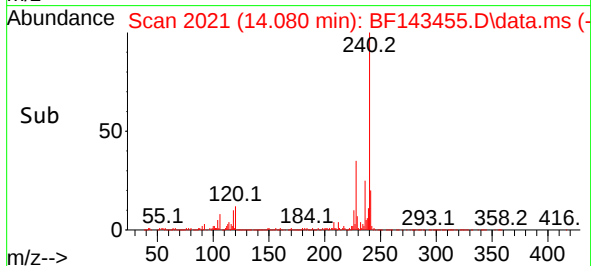
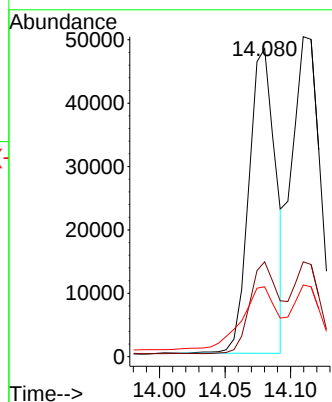
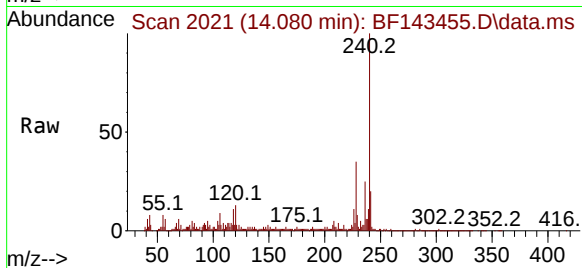
Tgt Ion:228 Resp: 67916

Ion Ratio Lower Upper

228 100

226 30.8 21.5 32.3

229 22.7 15.7 23.5



#83

Chrysene

Concen: 4.659 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

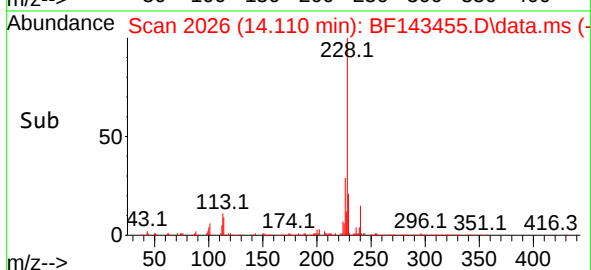
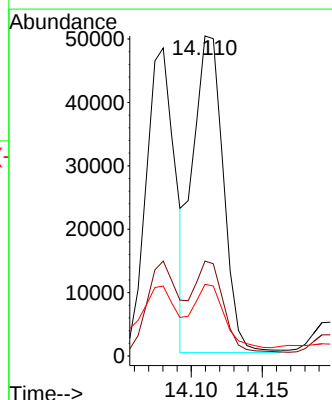
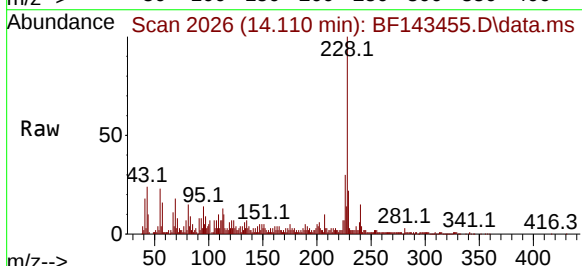
Tgt Ion:228 Resp: 74599

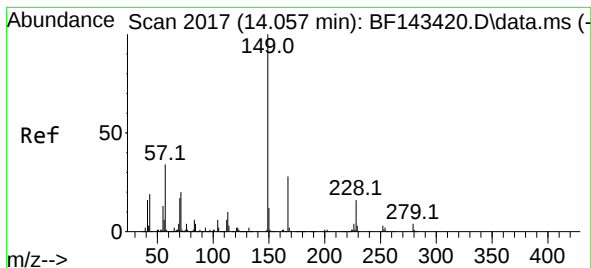
Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 22.4 16.1 24.1

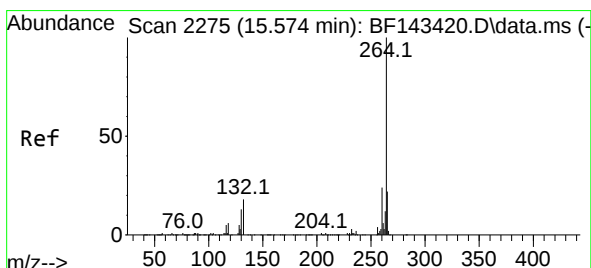
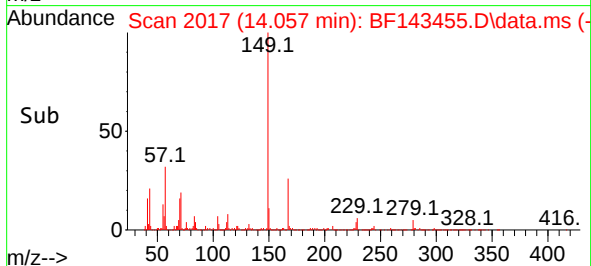
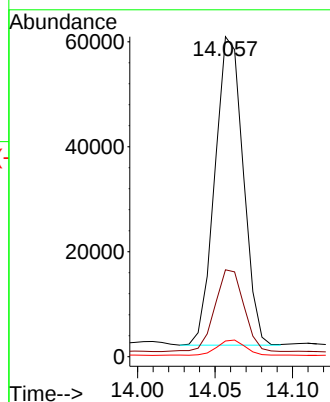
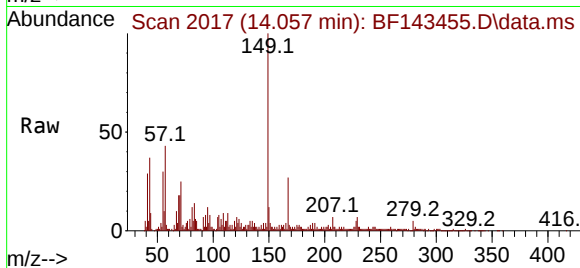




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 8.979 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: BF143455.D
 Acq: 19 Aug 2025 14:28

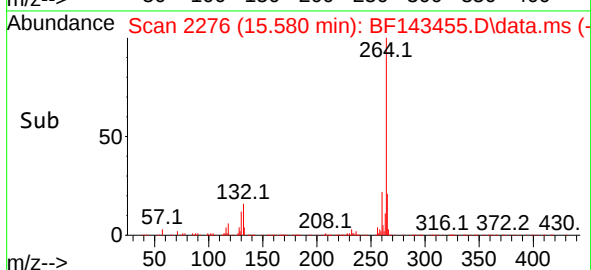
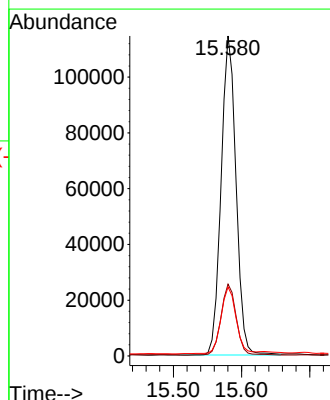
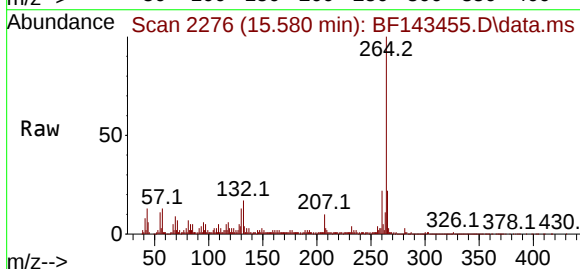
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP07-081425

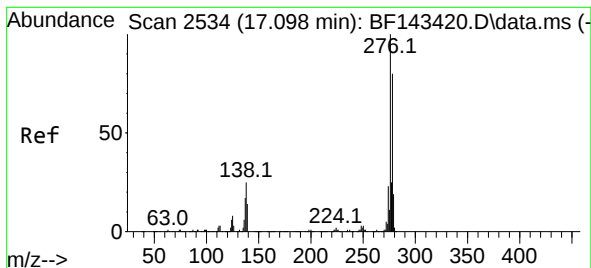
Tgt Ion:	149	Resp:	74678
Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.6	33.8
279	4.9	3.5	5.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.580 min Scan# 2276
 Delta R.T. 0.006 min
 Lab File: BF143455.D
 Acq: 19 Aug 2025 14:28

Tgt Ion:	264	Resp:	174368
Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.8	28.2
265	21.6	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.239 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

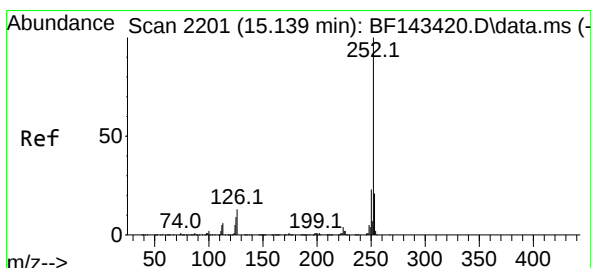
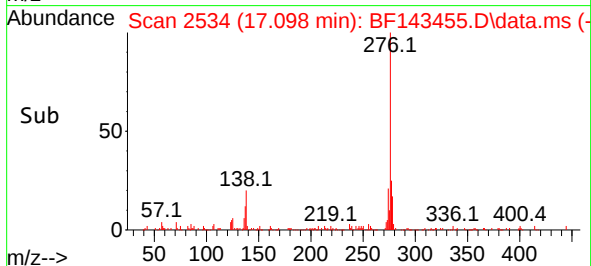
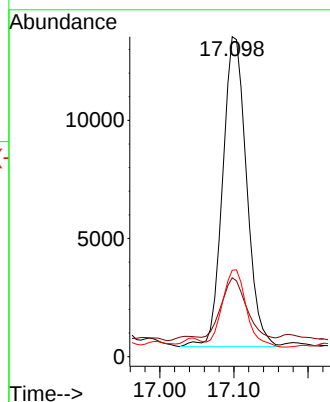
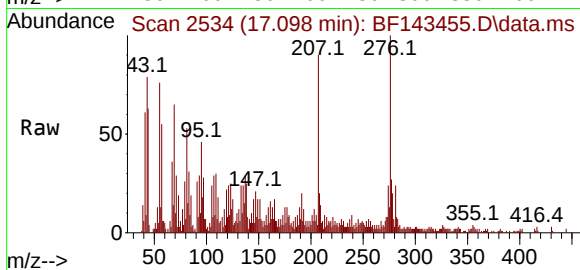
Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:	276	Resp:	29277
Ion Ratio	Lower	Upper	
276	100		
138	21.5	20.2	30.4
277	25.2	20.2	30.2



#88

Benzo(b)fluoranthene

Concen: 10.108 ng

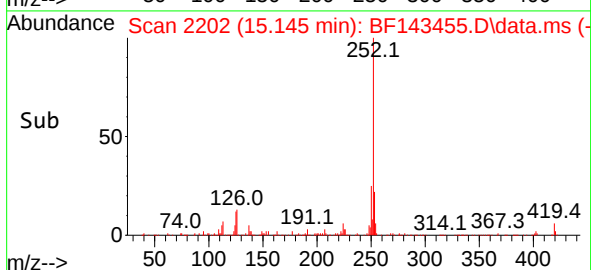
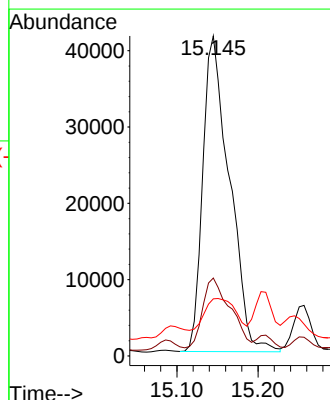
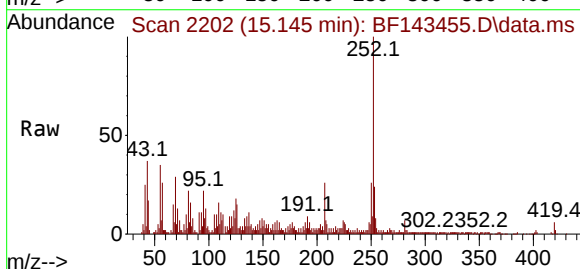
RT: 15.145 min Scan# 2202

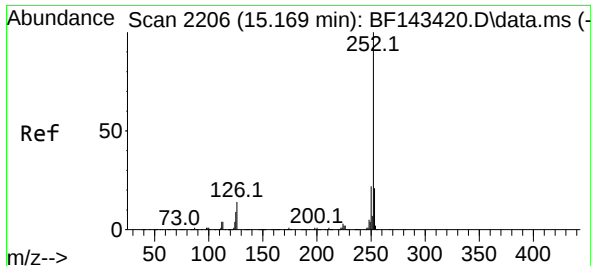
Delta R.T. 0.006 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

Tgt Ion:	252	Resp:	94459
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.1	25.7
125	17.9	7.5	11.3





#89

Benzo(k)fluoranthene

Concen: 10.248 ng

RT: 15.145 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

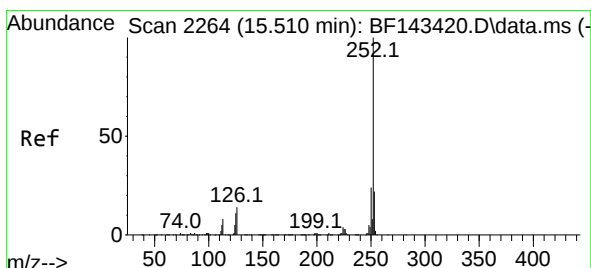
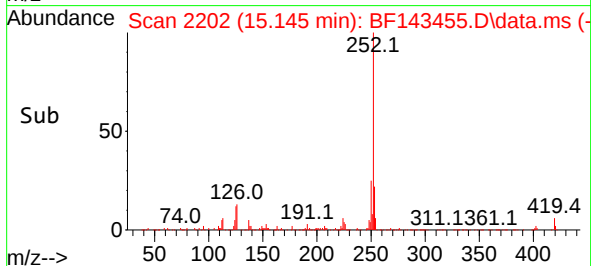
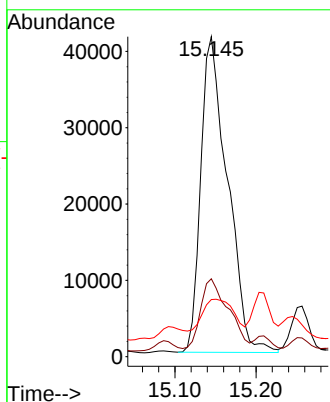
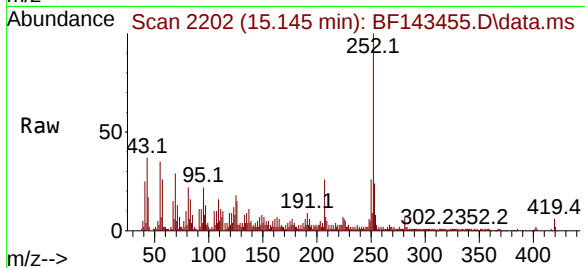
Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:252	Resp:	94459
Ion Ratio	Lower	Upper
252	100	
253	24.3	17.2 25.8
125	17.9	7.4 11.2#



#90

Benzo(a)pyrene

Concen: 4.597 ng

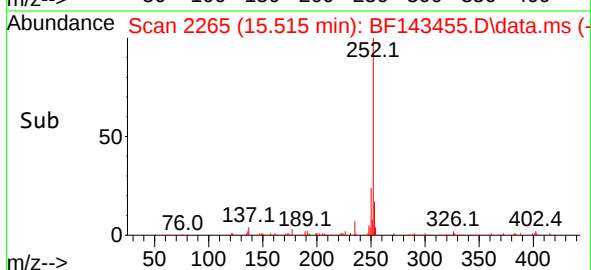
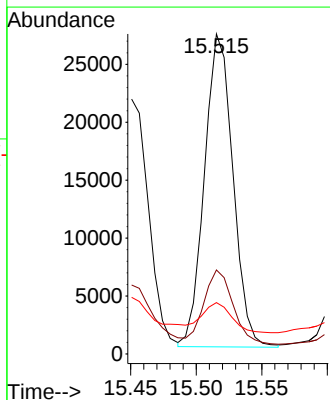
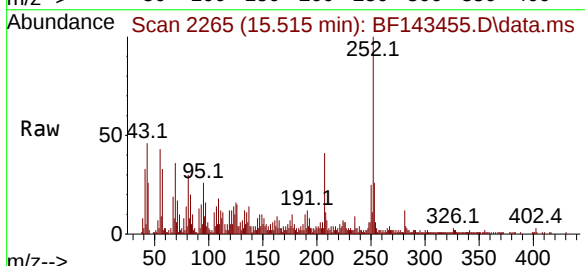
RT: 15.515 min Scan# 2265

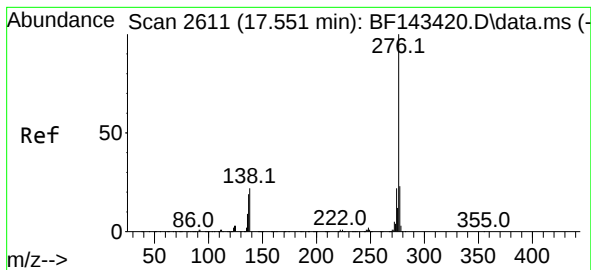
Delta R.T. 0.006 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

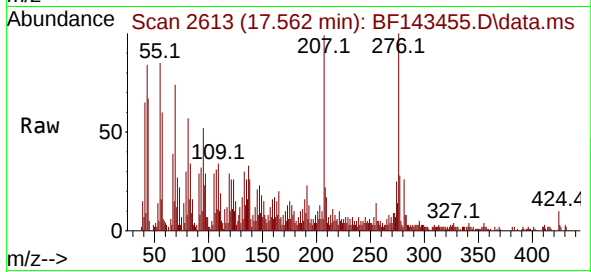
Tgt Ion:252	Resp:	40917
Ion Ratio	Lower	Upper
252	100	
253	26.3	17.4 26.2#
125	16.1	8.6 12.8#





#92
 Benzo(g,h,i)perylene
 Concen: 2.846 ng
 RT: 17.562 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF143455.D
 Acq: 19 Aug 2025 14:28

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP07-081425



Tgt Ion:	276	Resp:	29859
Ion Ratio	Lower	Upper	
276	100		
277	27.8	18.7	28.1
138	26.4	17.5	26.3

