

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
 Data File : BF143294.D
 Acq On : 04 Aug 2025 14:10
 Operator : RC/JU
 Sample : Q2743-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC1

Quant Time: Aug 04 14:51:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

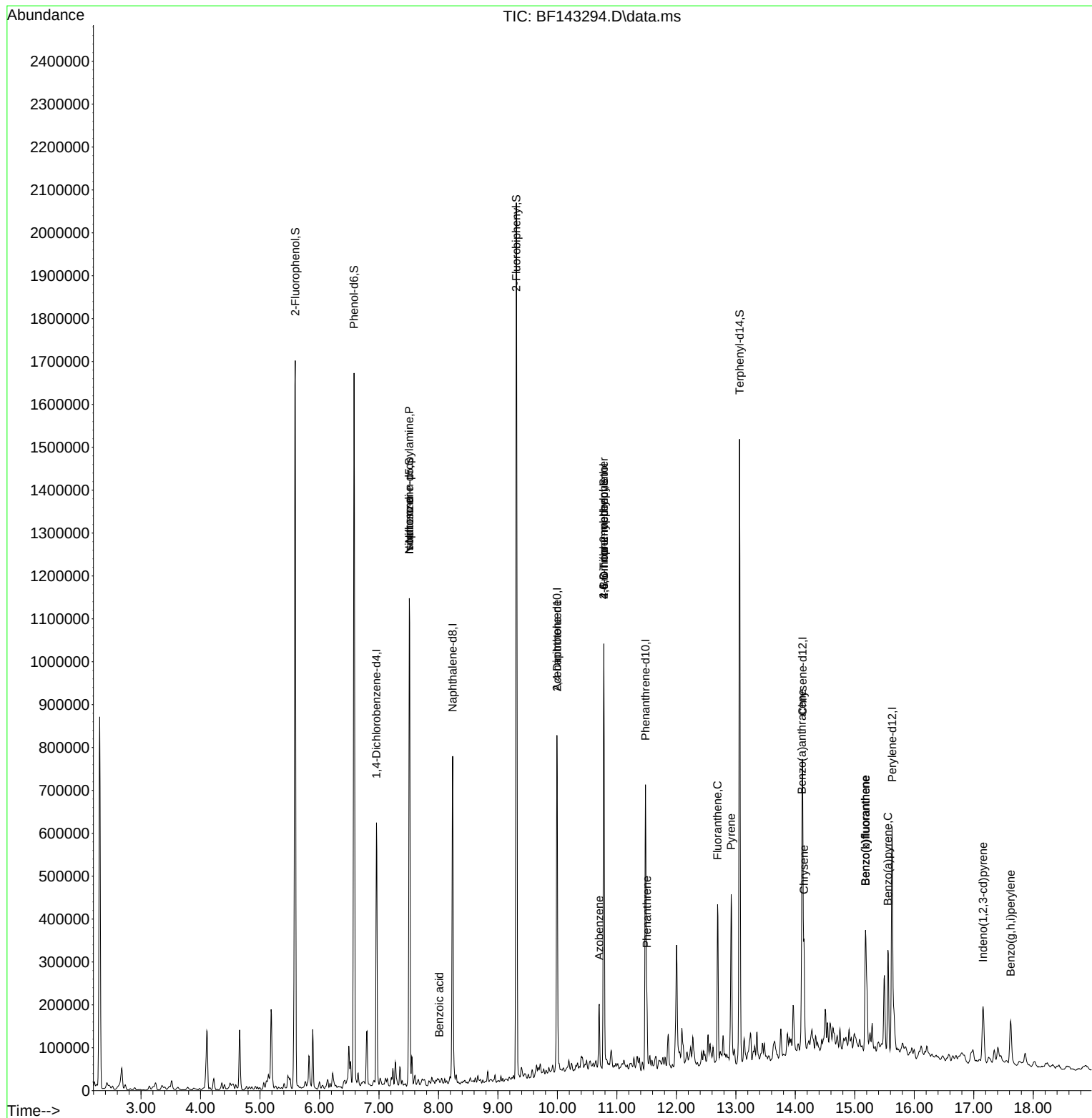
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	122191	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	459211	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	223785	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	329577	20.000	ng	0.00
76) Chrysene-d12	14.121	240	248990	20.000	ng	0.00
86) Perylene-d12	15.627	264	305770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	588473	76.212	ng	0.00
7) Phenol-d6	6.581	99	762412	78.445	ng	0.00
23) Nitrobenzene-d5	7.510	82	499142	54.182	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	171555	74.208	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	895306	54.715	ng	-0.01
79) Terphenyl-d14	13.063	244	678390	40.545	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.510	70	67291	10.792	ng	# 80
25) Isophorone	7.510	82	492120	30.260	ng	# 66
32) Benzoic acid	8.016	122	638	5.311	ng	# 1
57) 2,4-Dinitrotoluene	9.992	165	31164	8.371	ng	# 21
63) Azobenzene	10.704	77	36413	2.423	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.780	198	220	5.525	ng	# 1
67) 4-Bromophenyl-phenylether	10.780	248	10430	2.656	ng	# 1
71) Phenanthrene	11.504	178	85471	4.884	ng	99
75) Fluoranthene	12.692	202	198382	12.351	ng	98
78) Pyrene	12.921	202	224892	10.583	ng	99
81) Benzo(a)anthracene	14.110	228	133660	8.018	ng	95
83) Chrysene	14.145	228	127769	8.525	ng	96
87) Indeno(1,2,3-cd)pyrene	17.156	276	95547	4.431	ng	97
88) Benzo(b)fluoranthene	15.180	252	246705	13.207	ng	97
89) Benzo(k)fluoranthene	15.180	252	246705	14.800	ng	98
90) Benzo(a)pyrene	15.557	252	144421	8.391	ng	97
92) Benzo(g,h,i)perylene	17.621	276	89630	5.280	ng	99

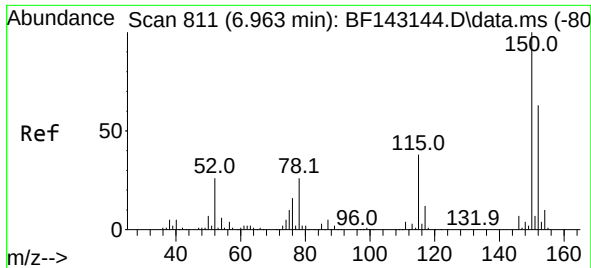
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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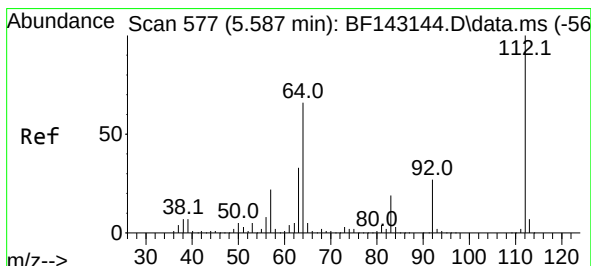
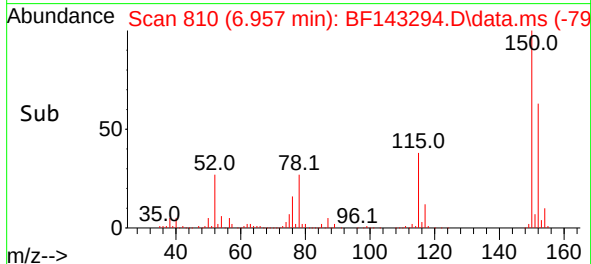
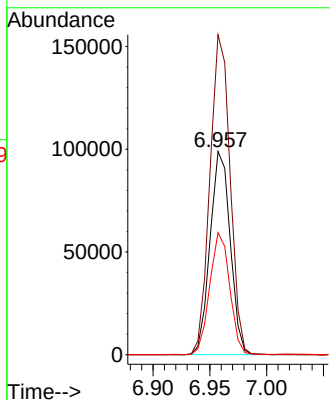
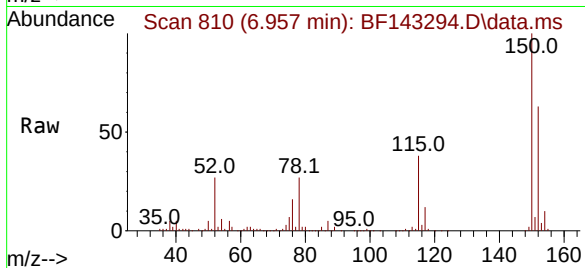




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

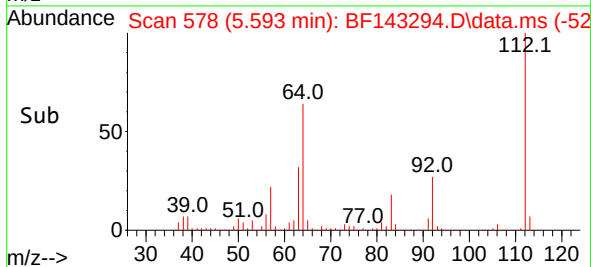
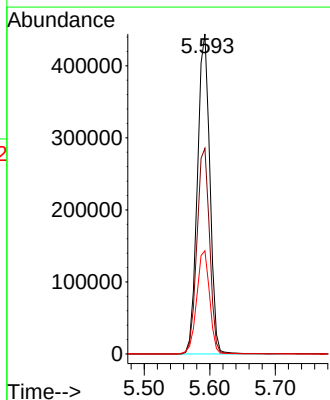
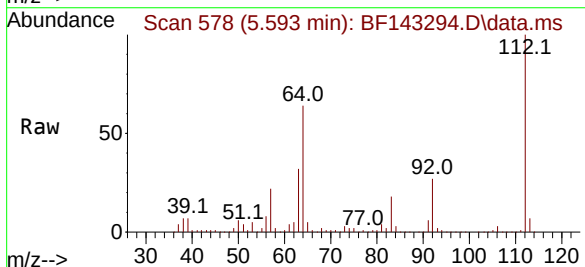
Instrument :
BNA_F
ClientSampleId :
WC1

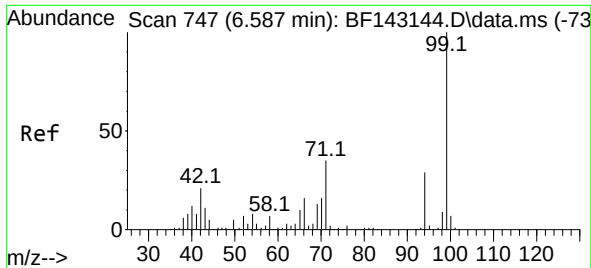
Tgt Ion:152 Resp: 122191
Ion Ratio Lower Upper
152 100
150 157.5 128.2 192.4
115 60.1 47.9 71.9



#5
2-Fluorophenol
Concen: 76.212 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

Tgt Ion:112 Resp: 588473
Ion Ratio Lower Upper
112 100
64 64.3 53.1 79.7
63 32.2 26.6 40.0

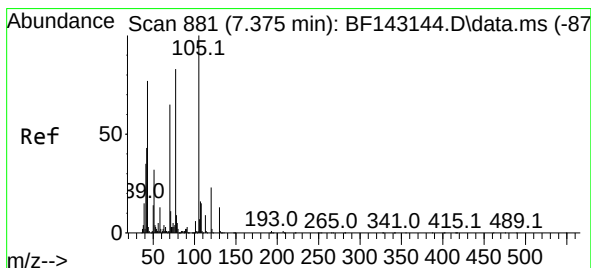
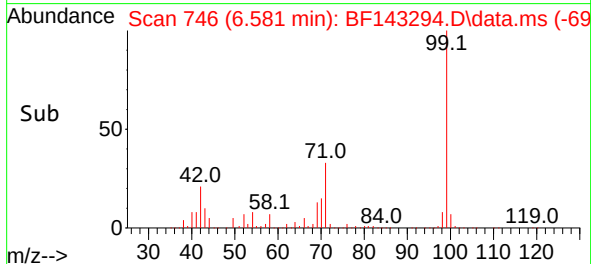
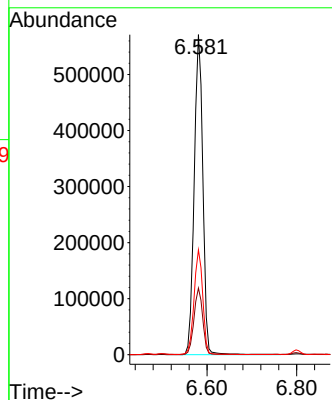
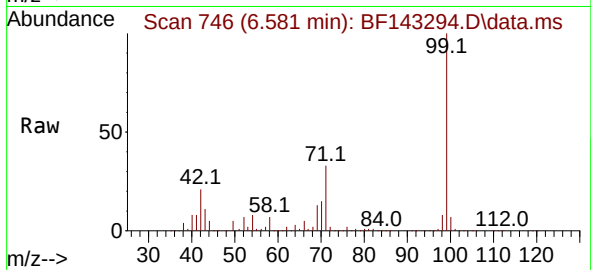




#7
Phenol-d6
Concen: 78.445 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

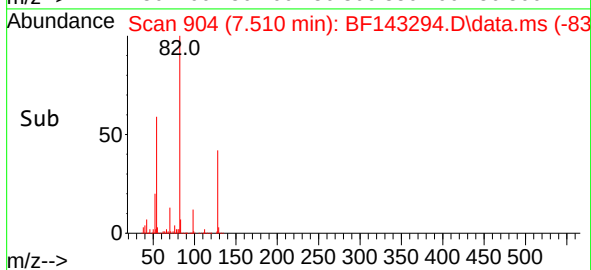
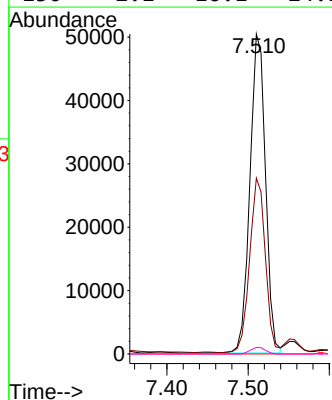
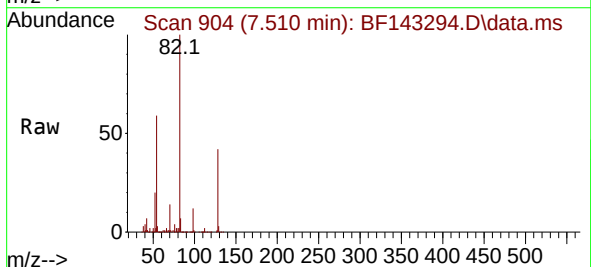
Instrument :
BNA_F
ClientSampleId :
WC1

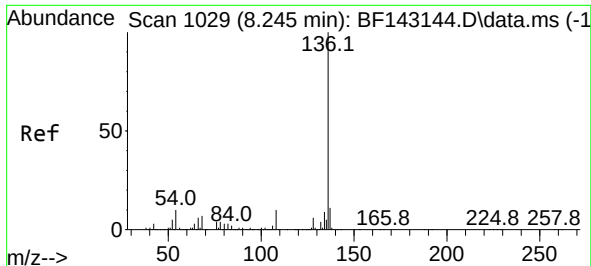
Tgt Ion: 99 Resp: 762412
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 32.8 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.792 ng
RT: 7.510 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

Tgt Ion: 70 Resp: 67291
Ion Ratio Lower Upper
70 100
42 55.0 52.5 78.7
101 0.0 7.6 11.4#
130 2.1 16.1 24.1#

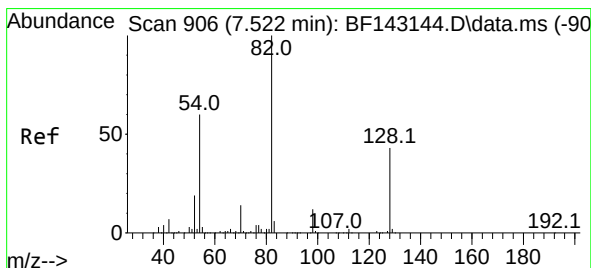
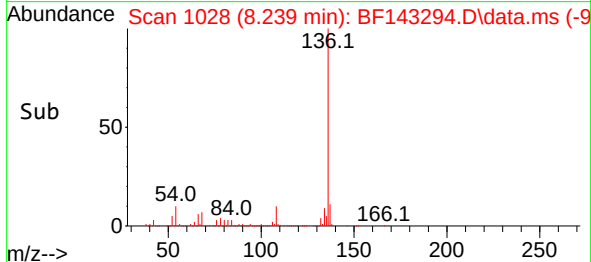
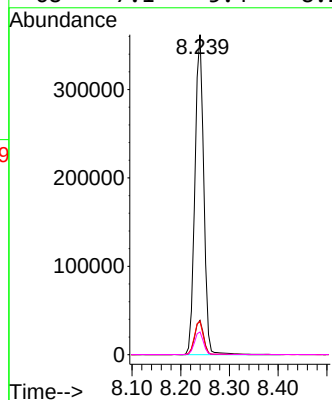
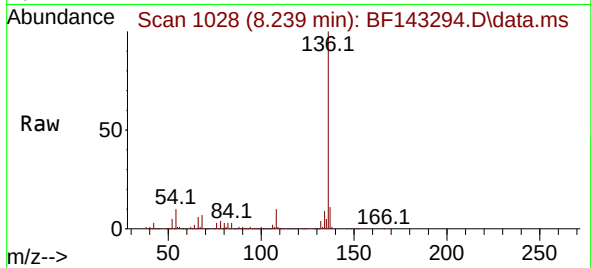




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

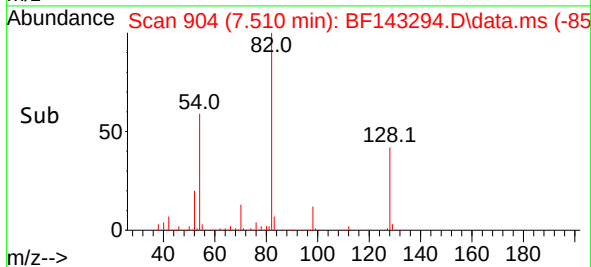
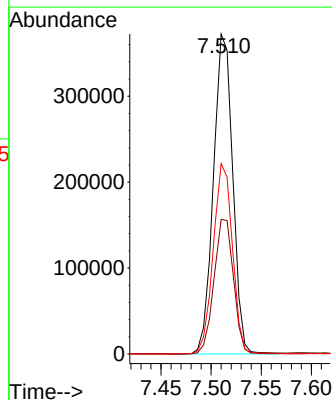
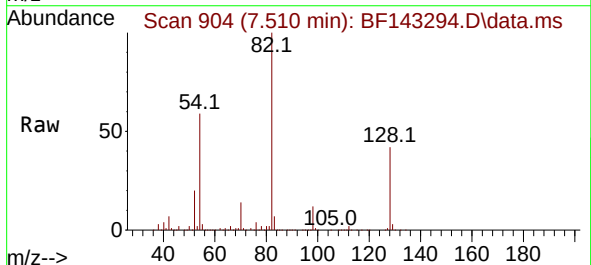
Instrument :
BNA_F
ClientSampleId :
WC1

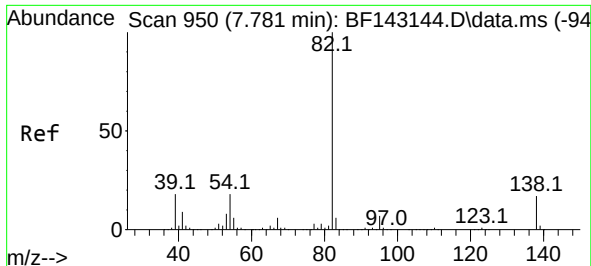
Tgt	Ion:136	Resp:	459211
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.3	8.2	12.2
68	7.1	5.4	8.2



#23
Nitrobenzene-d5
Concen: 54.182 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

Tgt Ion: 82	Resp: 499142
Ion Ratio	Lower Upper
82 100	
128 42.0	33.6 50.4
54 59.5	47.1 70.7

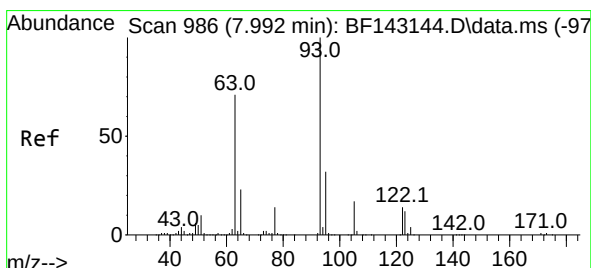
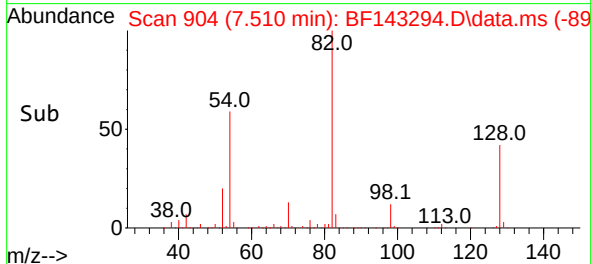
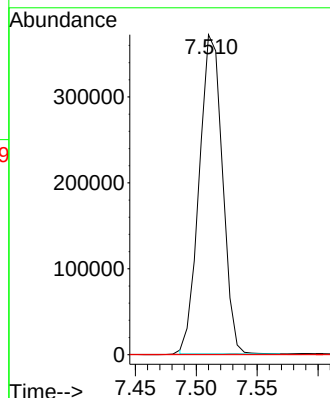
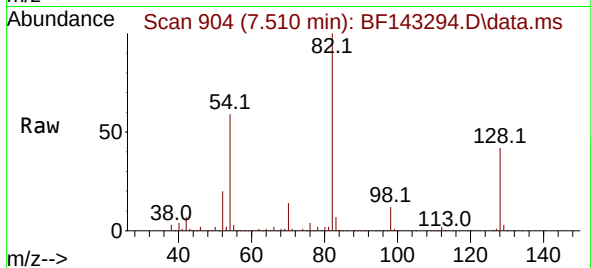




#25
Isophorone
Concen: 30.260 ng
RT: 7.510 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

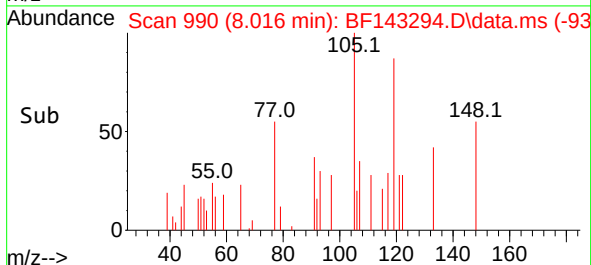
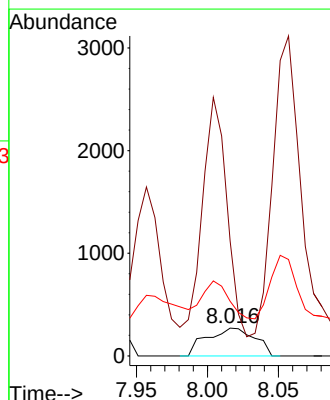
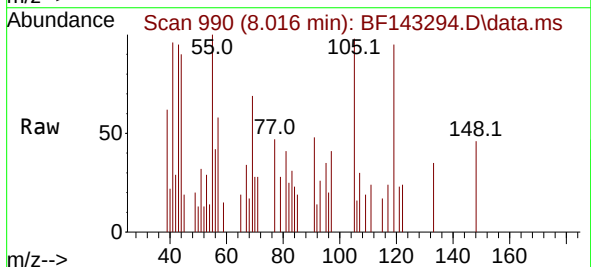
Instrument :
BNA_F
ClientSampleId :
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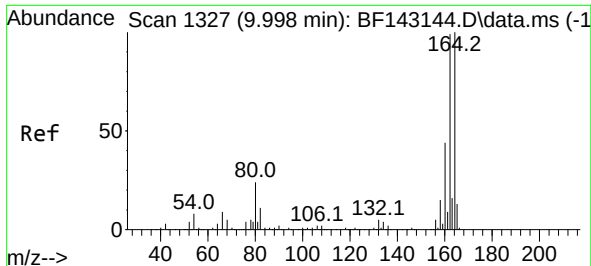
Tgt Ion: 82 Resp: 492120
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.311 ng
RT: 8.016 min Scan# 990
Delta R.T. 0.024 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

Tgt Ion:122 Resp: 638
Ion Ratio Lower Upper
122 100
105 413.3 104.8 144.8#
77 196.7 77.6 117.6#

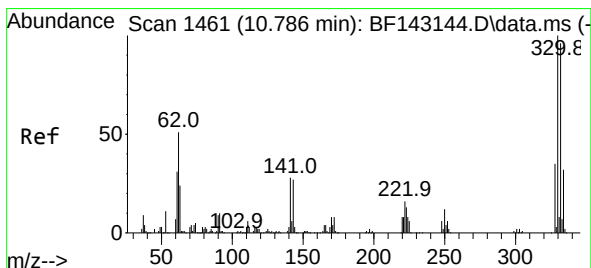
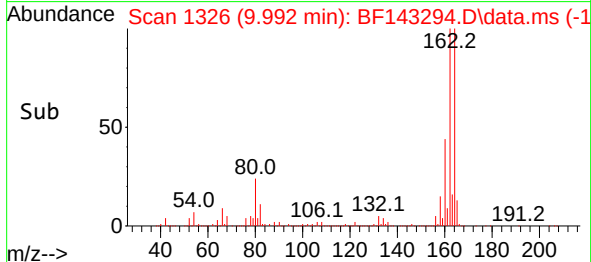
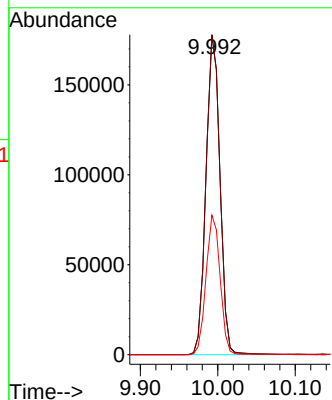
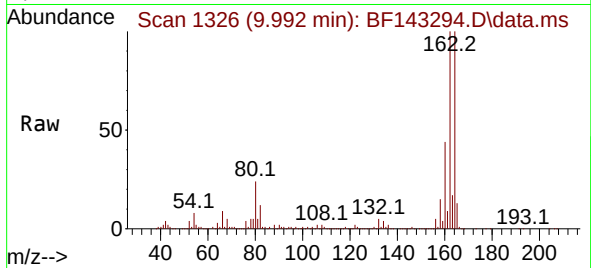




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

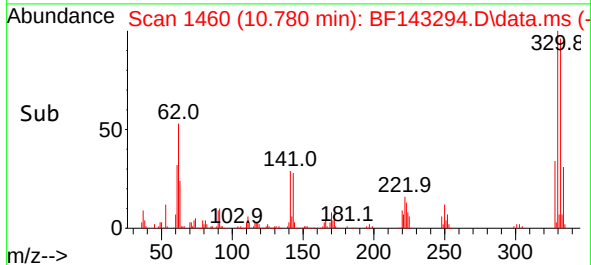
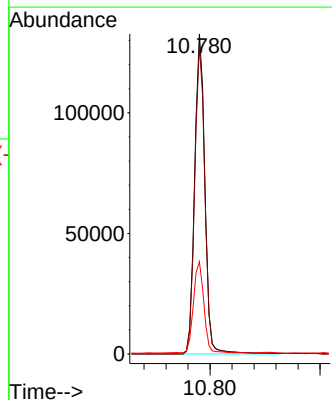
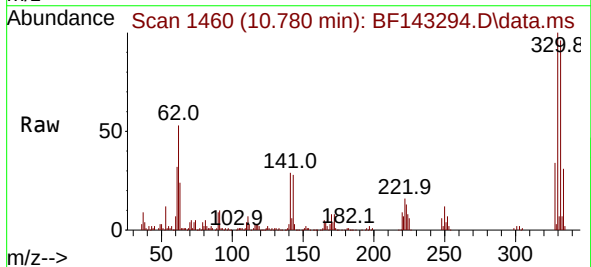
Instrument :
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ClientSampleId :
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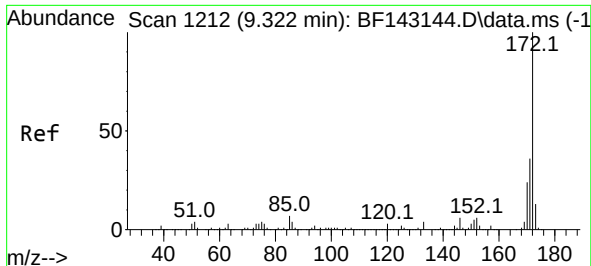
Tgt Ion:164 Resp: 223785
Ion Ratio Lower Upper
164 100
162 99.8 79.0 118.6
160 43.6 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 74.208 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

Tgt Ion:330 Resp: 171555
Ion Ratio Lower Upper
330 100
332 96.5 76.7 115.1
141 29.1 23.3 34.9

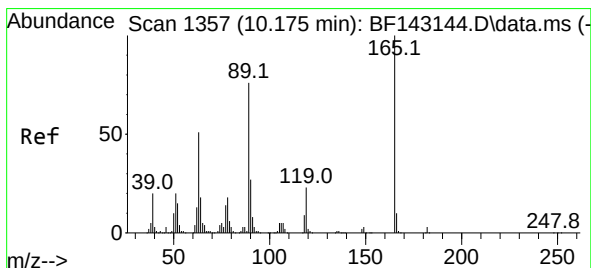
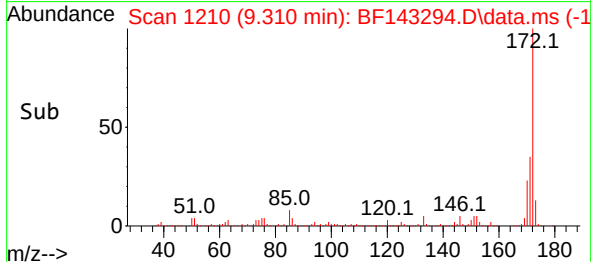
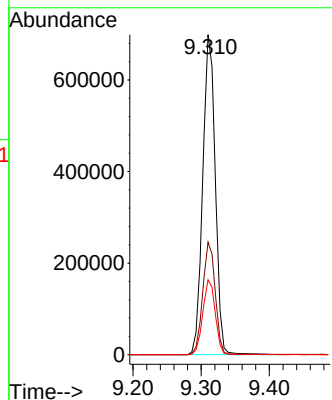
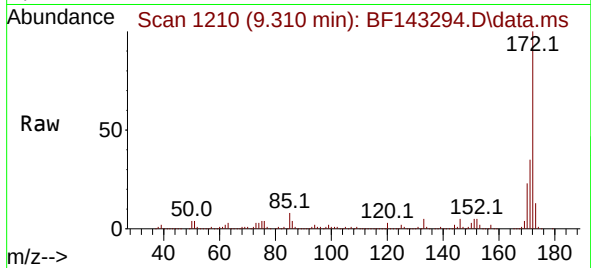




#45
2-Fluorobiphenyl
Concen: 54.715 ng
RT: 9.310 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

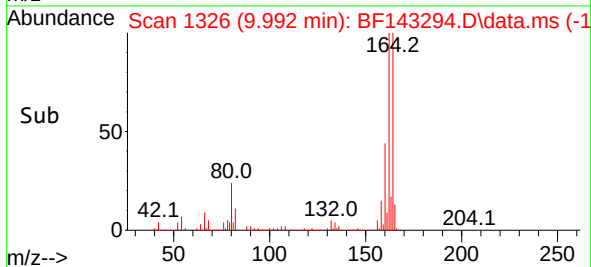
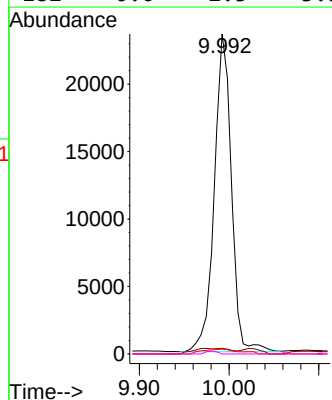
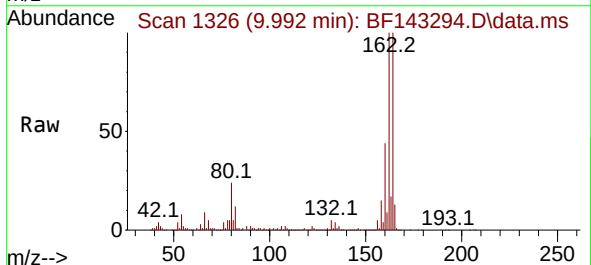
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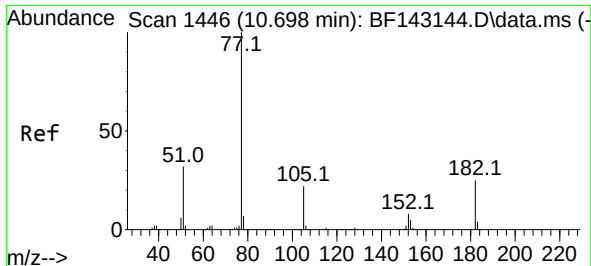
Tgt Ion:172 Resp: 895306
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.4 18.8 28.2



#57
2,4-Dinitrotoluene
Concen: 8.371 ng
RT: 9.992 min Scan# 1326
Delta R.T. -0.182 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

Tgt Ion:165 Resp: 31164
Ion Ratio Lower Upper
165 100
63 1.8 41.0 61.4#
89 1.5 61.1 91.7#
182 0.0 2.3 3.5#

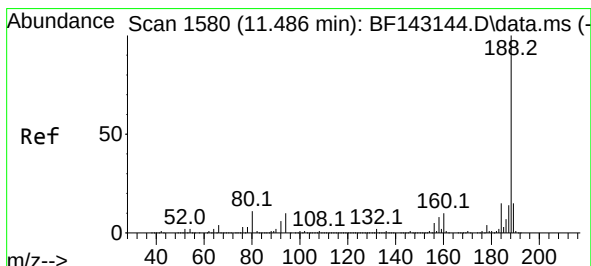
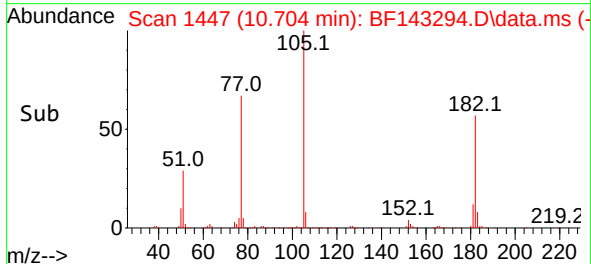
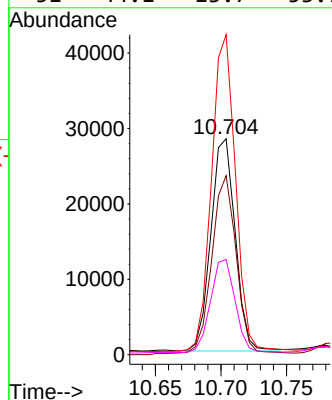
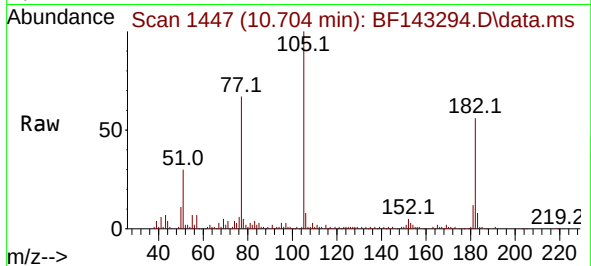




#63
Azobenzene
Concen: 2.423 ng
RT: 10.704 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

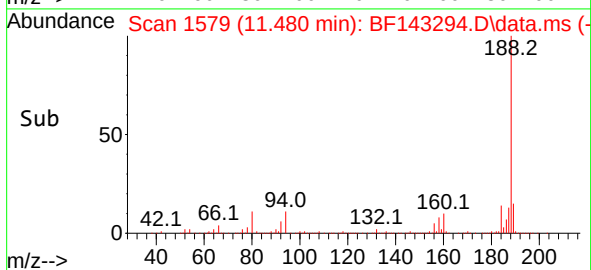
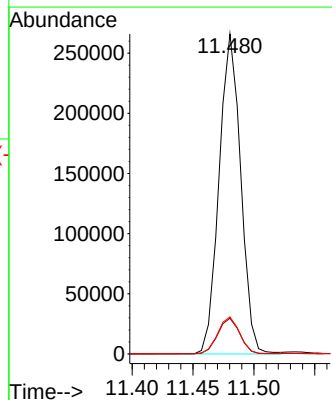
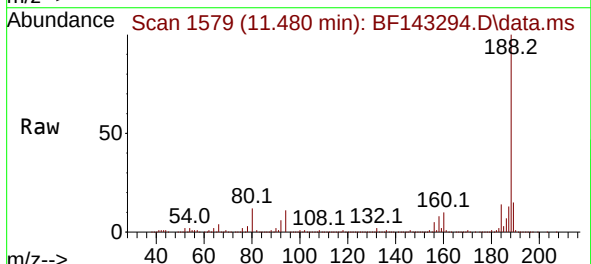
Instrument :
BNA_F
ClientSampleId :
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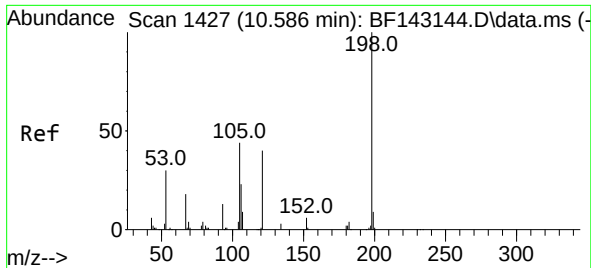
Tgt Ion: 77	Resp: 36413
Ion Ratio	Lower Upper
77 100	
182 82.9	4.6 44.6#
105 148.2	1.4 41.4#
51 44.1	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

Tgt Ion: 188	Resp: 329577
Ion Ratio	Lower Upper
188 100	
94 11.2	8.3 12.5
80 11.6	9.0 13.6

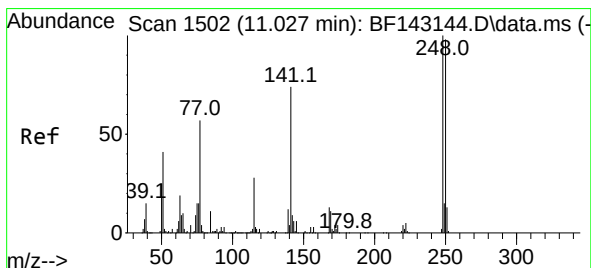
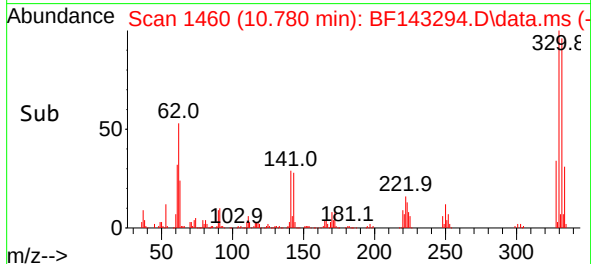
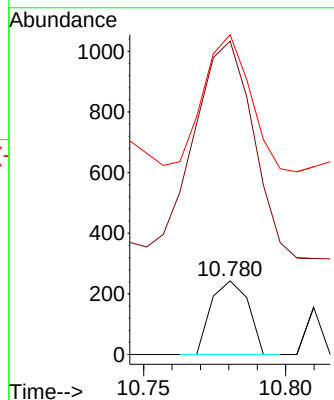
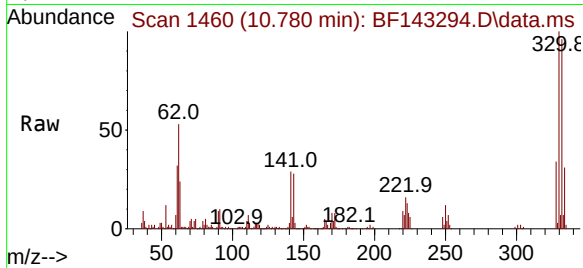




#65
4,6-Dinitro-2-methylphenol
Concen: 5.525 ng
RT: 10.780 min Scan# 1427
Delta R.T. 0.194 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

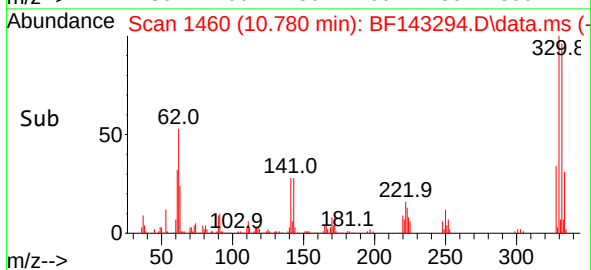
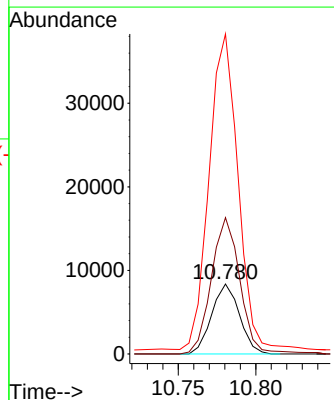
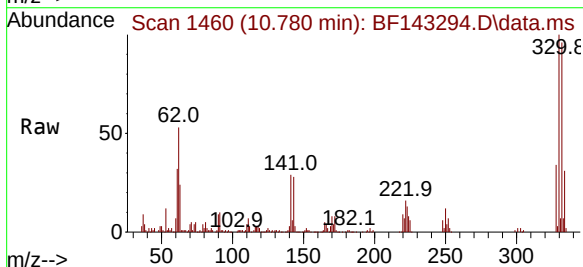
Instrument :
BNA_F
ClientSampleId :
WC1

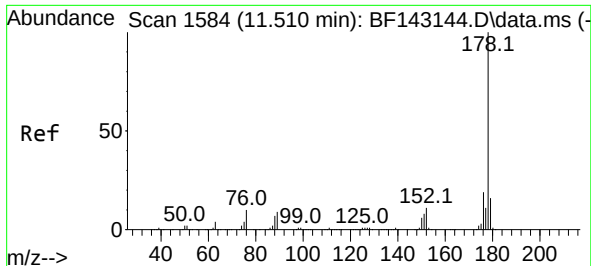
Tgt Ion:198 Resp: 220
Ion Ratio Lower Upper
198 100
51 425.5 37.2 77.2#
105 434.2 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 2.656 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

Tgt Ion:248 Resp: 10430
Ion Ratio Lower Upper
248 100
250 194.8 78.3 117.5#
141 457.2 59.2 88.8#

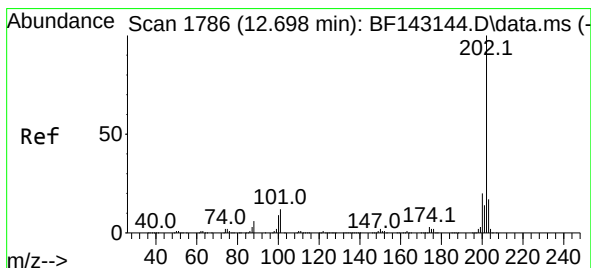
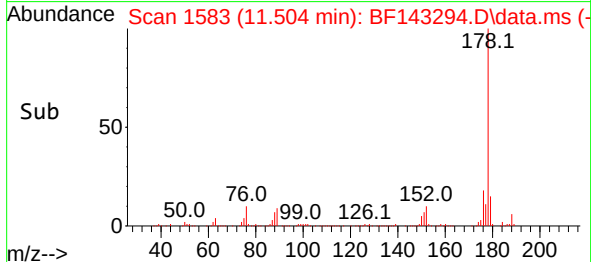
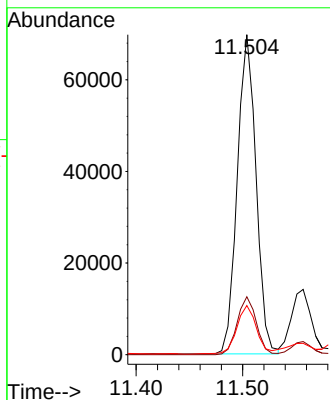
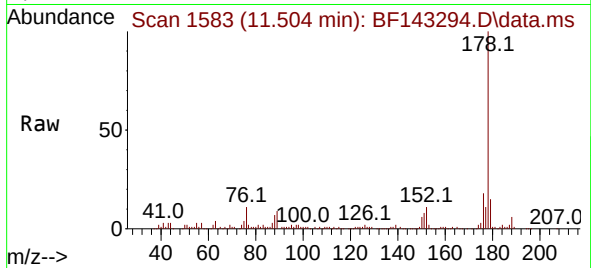




#71
Phenanthrene
Concen: 4.884 ng
RT: 11.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

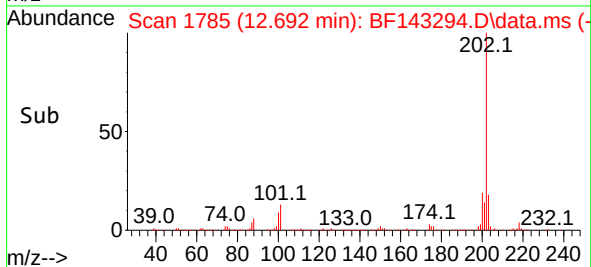
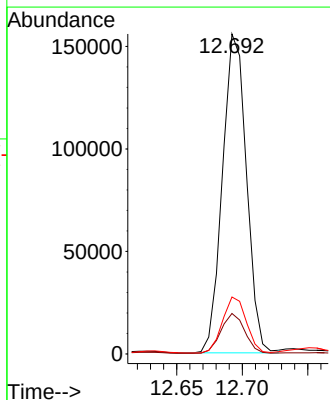
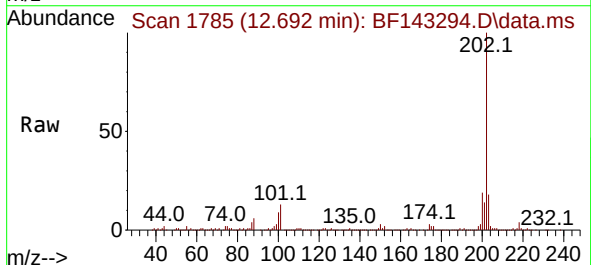
Instrument :
BNA_F
ClientSampleId :
WC1

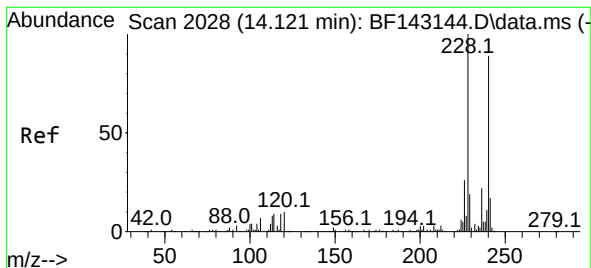
Tgt Ion:178 Resp: 85471
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 15.4 12.5 18.7



#75
Fluoranthene
Concen: 12.351 ng
RT: 12.692 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

Tgt Ion:202 Resp: 198382
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.7
203 17.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143294.D

Acq: 04 Aug 2025 14:10

Instrument :

BNA_F

ClientSampleId :

WC1

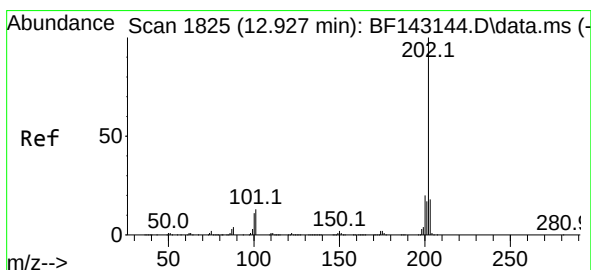
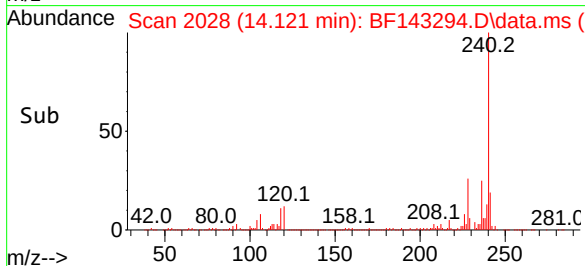
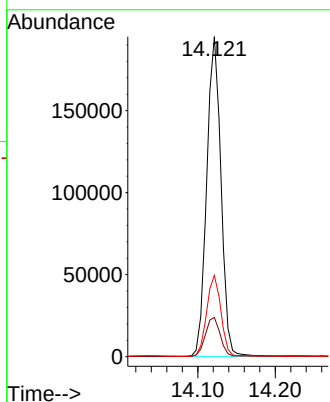
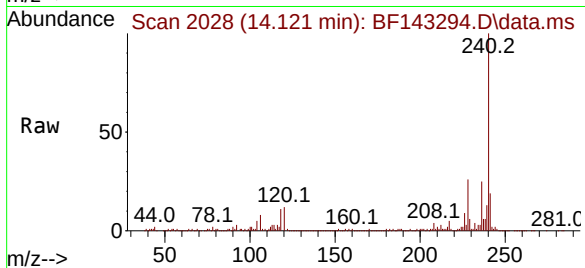
Tgt Ion:240 Resp: 248990

Ion Ratio Lower Upper

240 100

120 12.2 9.4 14.2

236 25.4 20.2 30.4



#78

Pyrene

Concen: 10.583 ng

RT: 12.921 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF143294.D

Acq: 04 Aug 2025 14:10

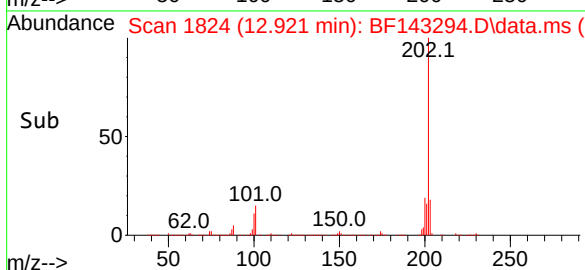
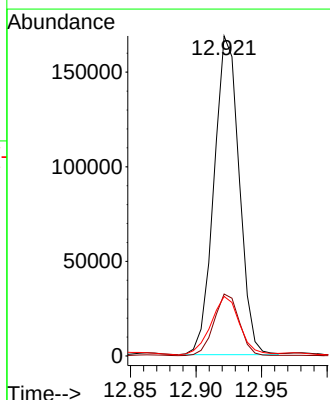
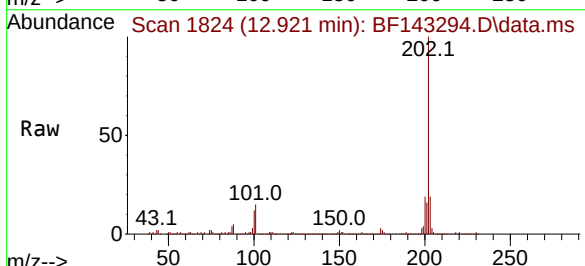
Tgt Ion:202 Resp: 224892

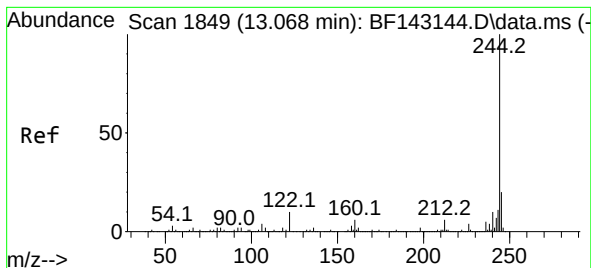
Ion Ratio Lower Upper

202 100

200 19.3 15.7 23.5

203 18.6 14.2 21.2





#79

Terphenyl-d14

Concen: 40.545 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143294.D

Acq: 04 Aug 2025 14:10

Instrument :

BNA_F

ClientSampleId :

WC1

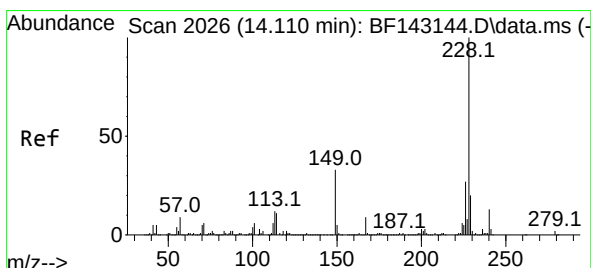
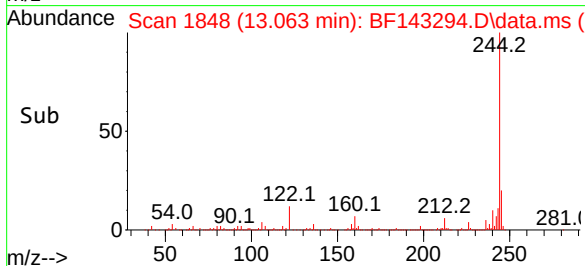
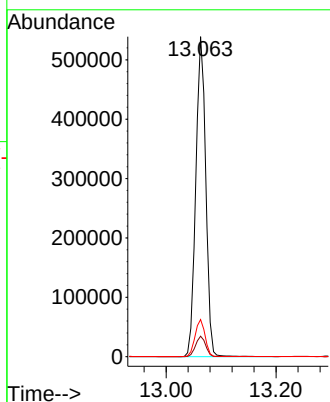
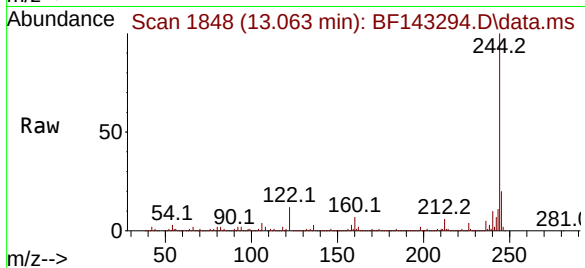
Tgt Ion:244 Resp: 678390

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 11.6 8.2 12.2



#81

Benzo(a)anthracene

Concen: 8.018 ng

RT: 14.110 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF143294.D

Acq: 04 Aug 2025 14:10

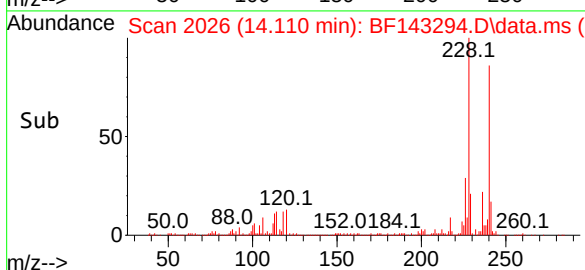
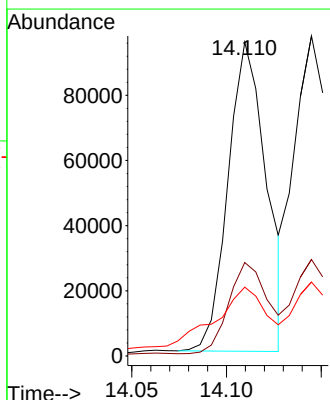
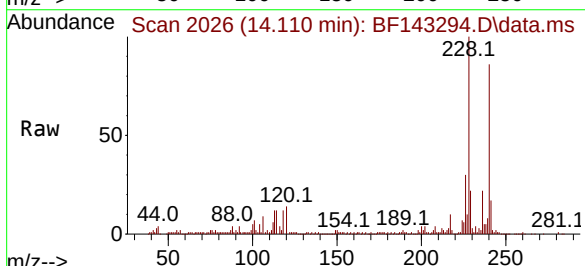
Tgt Ion:228 Resp: 133660

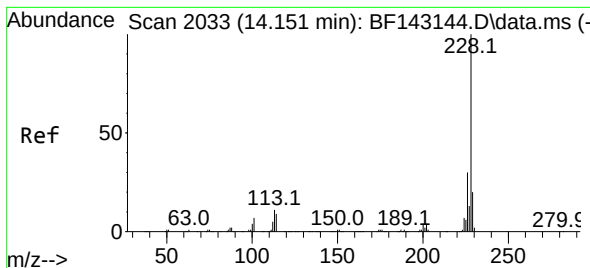
Ion Ratio Lower Upper

228 100

226 29.8 21.7 32.5

229 21.9 15.8 23.6





#83

Chrysene

Concen: 8.525 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143294.D

Acq: 04 Aug 2025 14:10

Instrument :

BNA_F

ClientSampleId :

WC1

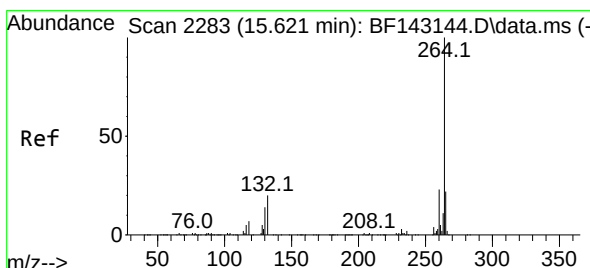
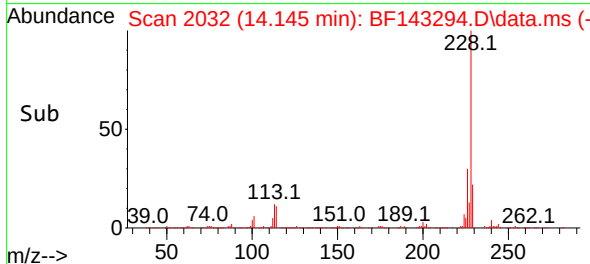
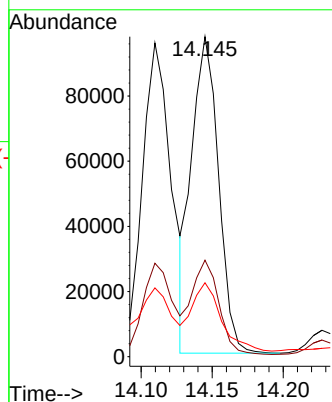
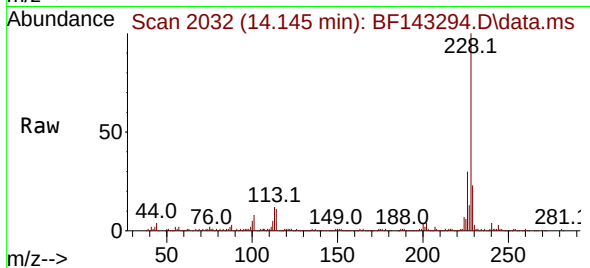
Tgt Ion:228 Resp: 127769

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

229 23.1 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF143294.D

Acq: 04 Aug 2025 14:10

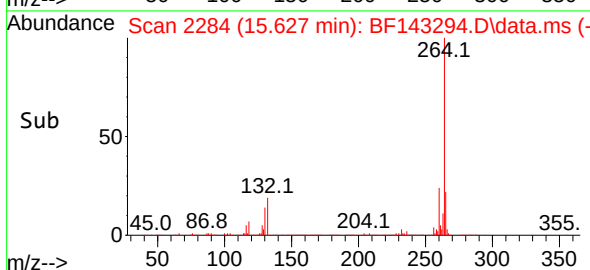
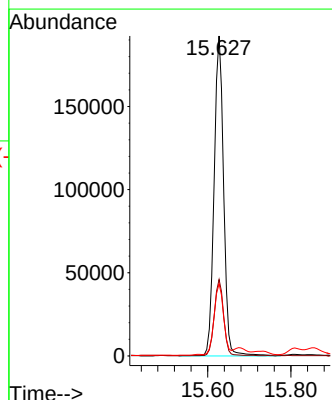
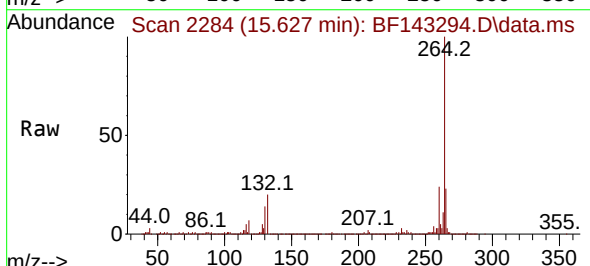
Tgt Ion:264 Resp: 305770

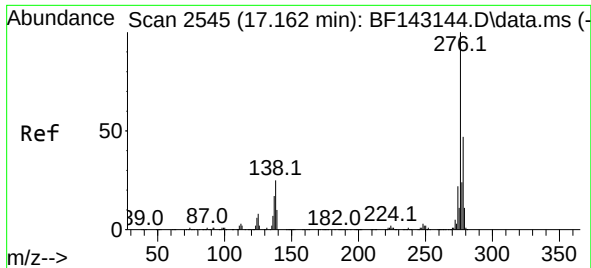
Ion Ratio Lower Upper

264 100

260 23.9 18.5 27.7

265 22.6 17.4 26.2

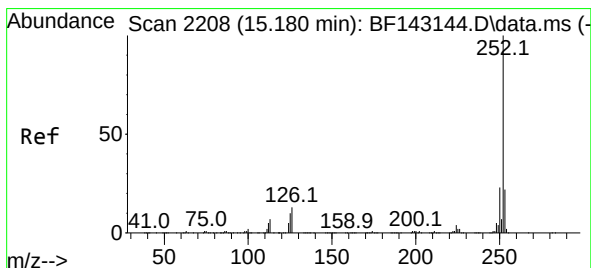
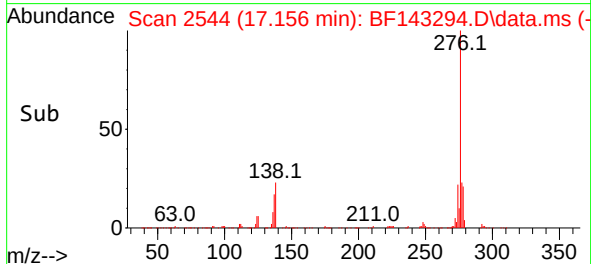
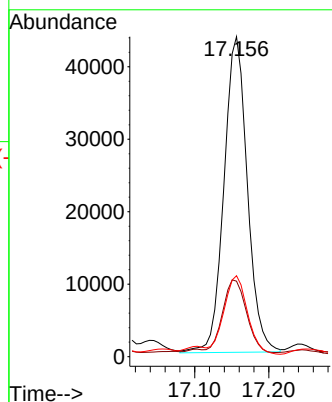
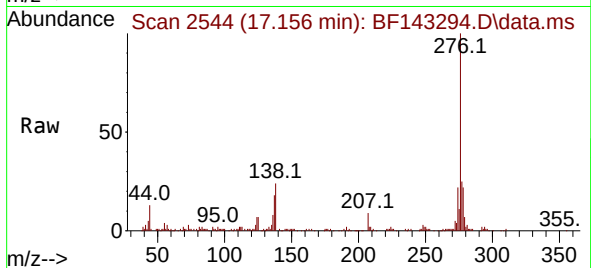




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.431 ng
RT: 17.156 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

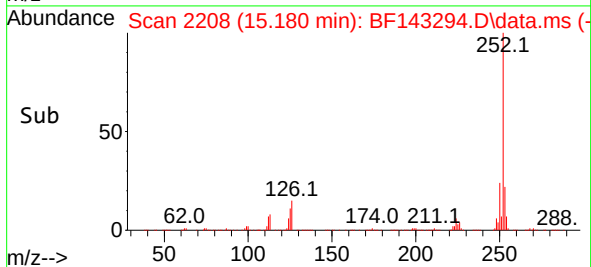
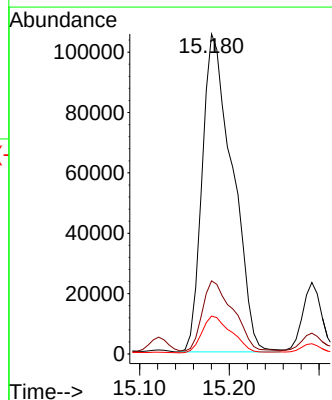
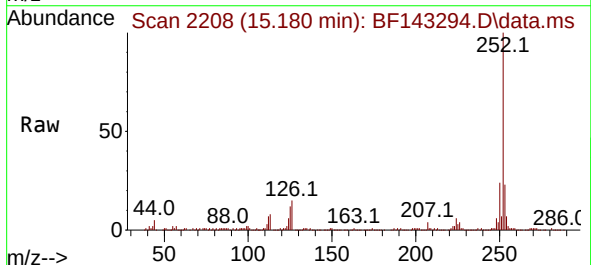
Instrument :
BNA_F
ClientSampleId :
WC1

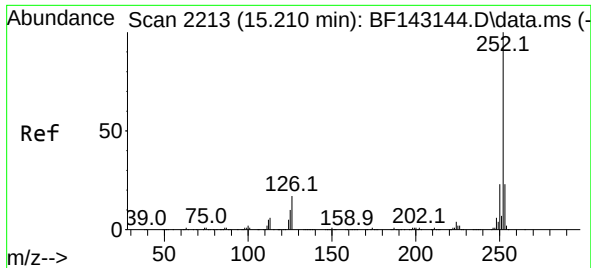
Tgt Ion:276 Resp: 95547
Ion Ratio Lower Upper
276 100
138 24.0 21.8 32.6
277 25.2 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 13.207 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

Tgt Ion:252 Resp: 246705
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.8 8.0 12.0

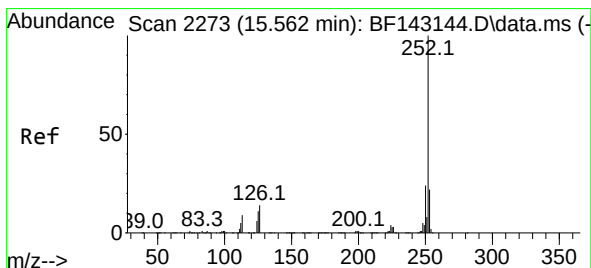
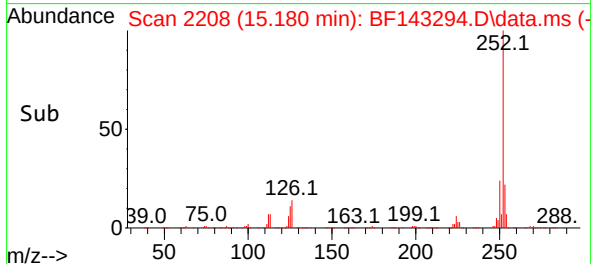
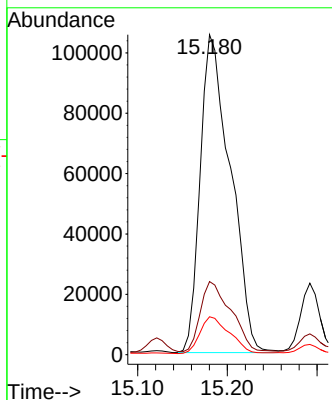
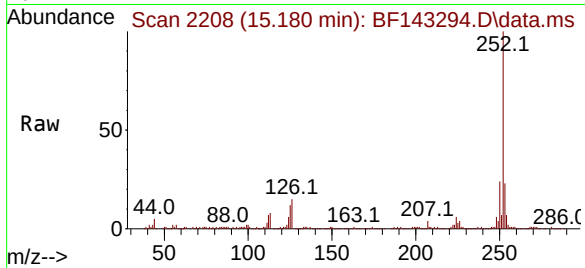




#89
Benzo(k)fluoranthene
Concen: 14.800 ng
RT: 15.180 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

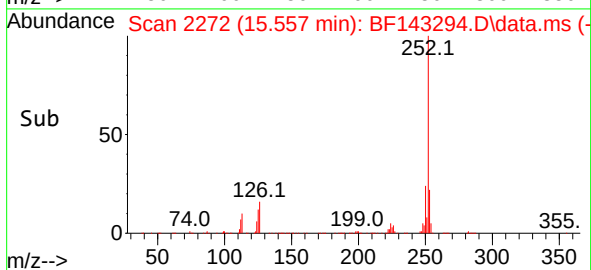
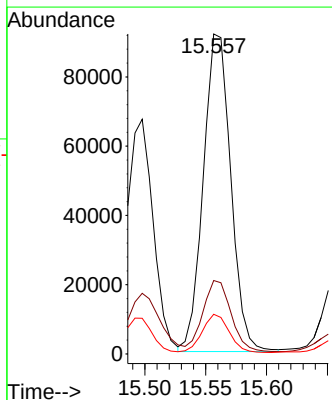
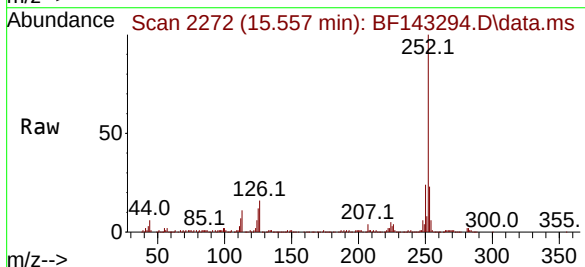
Instrument :
BNA_F
ClientSampleId :
WC1

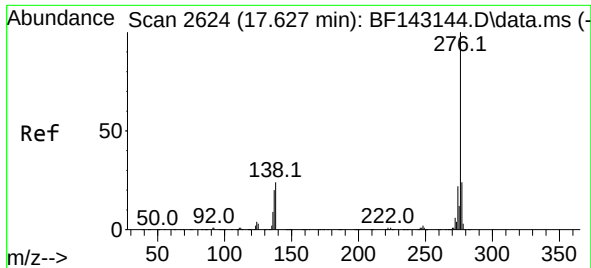
Tgt Ion:252 Resp: 246705
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 11.8 8.1 12.1



#90
Benzo(a)pyrene
Concen: 8.391 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

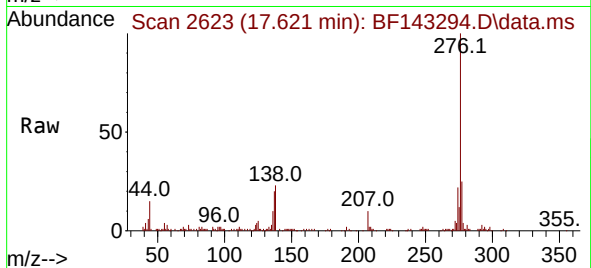
Tgt Ion:252 Resp: 144421
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 12.4 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 5.280 ng
 RT: 17.621 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF143294.D
 Acq: 04 Aug 2025 14:10

Instrument :
 BNA_F
 ClientSampleId :
 WC1



Tgt Ion:	276	Resp:	89630
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.1	28.7
138	23.1	18.9	28.3

