

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
 Data File : BF144299.D
 Acq On : 20 Nov 2025 17:27
 Operator : RC/JU
 Sample : Q3681-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-354

Quant Time: Nov 20 17:47:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

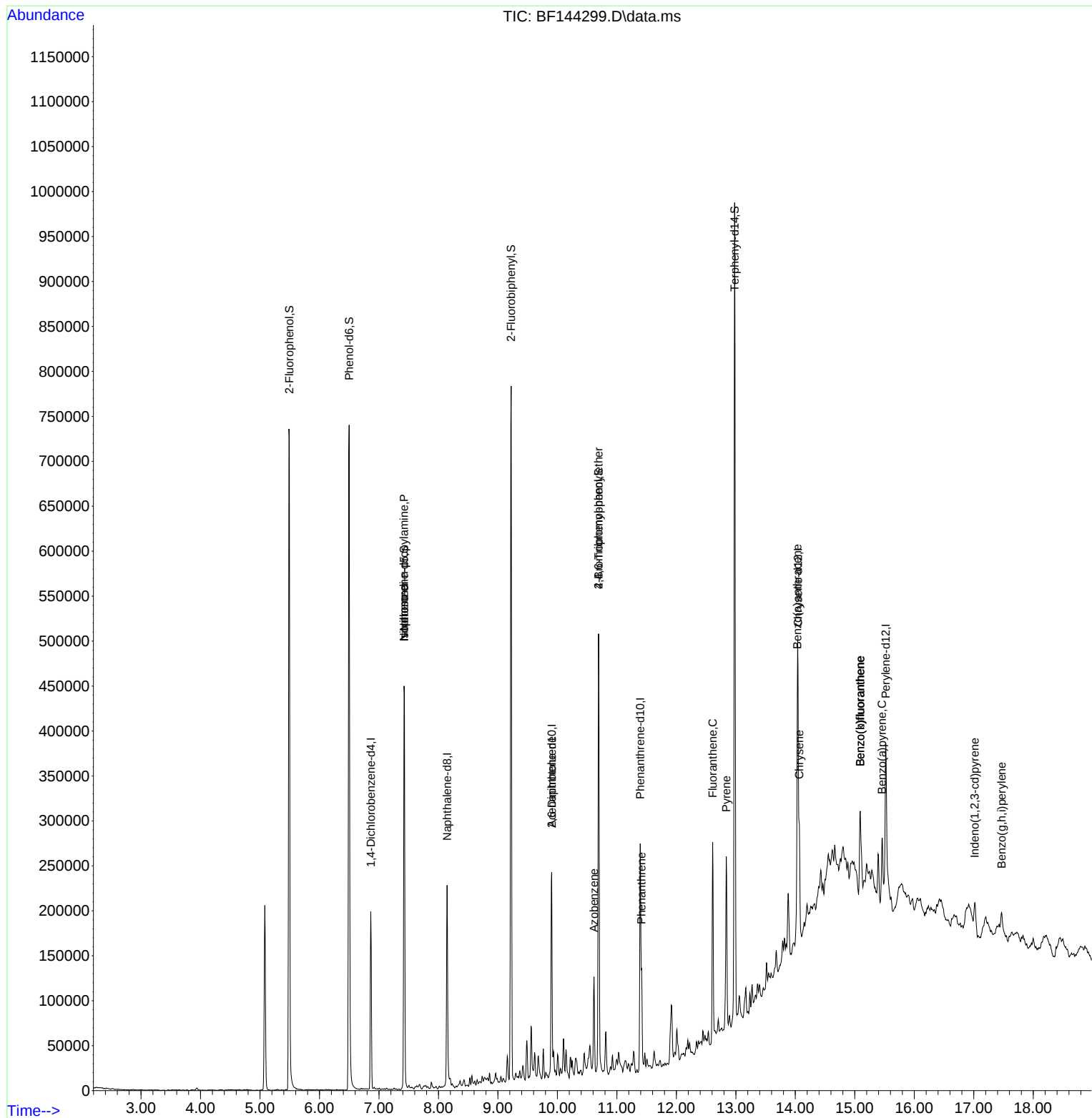
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	41168	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	140774	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	71893	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	132549	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	125491	20.000	ng	0.00
86) Perylene-d12	15.521	264	99006	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	308628	117.315	ng	0.00
7) Phenol-d6	6.498	99	326381	109.492	ng	0.00
23) Nitrobenzene-d5	7.422	82	193120	79.231	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	95012	105.315	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	363653	74.707	ng	0.00
79) Terphenyl-d14	12.980	244	476391	60.299	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	27955	14.246	ng	# 77
25) Isophorone	7.422	82	193119	41.887	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	10377	10.763	ng	# 27
63) Azobenzene	10.616	77	23516	5.755	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	5262	3.110	ng	# 1
71) Phenanthrene	11.416	178	58719	8.898	ng	99
75) Fluoranthene	12.610	202	125836	18.459	ng	98
78) Pyrene	12.839	202	116991	11.562	ng	99
81) Benzo(a)anthracene	14.033	228	82635	9.501	ng	95
83) Chrysene	14.068	228	67201	8.370	ng	95
87) Indeno(1,2,3-cd)pyrene	17.015	276	24381	3.431	ng	97
88) Benzo(b)fluoranthene	15.092	252	98719	17.539	ng	# 92
89) Benzo(k)fluoranthene	15.092	252	98719	18.738	ng	# 94
90) Benzo(a)pyrene	15.457	252	44632	8.595	ng	# 89
92) Benzo(g,h,i)perylene	17.468	276	20294	3.600	ng	# 90

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

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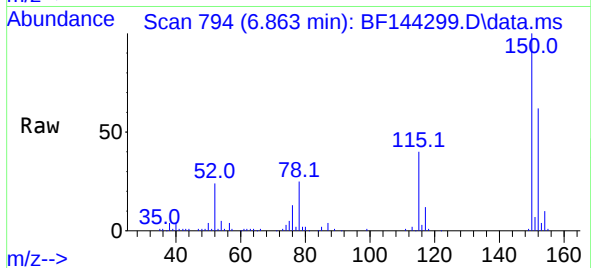
Quant Time: Nov 20 17:47:20 2025
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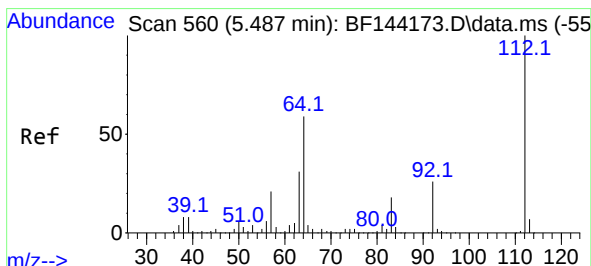
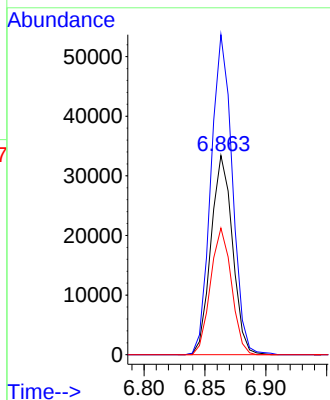
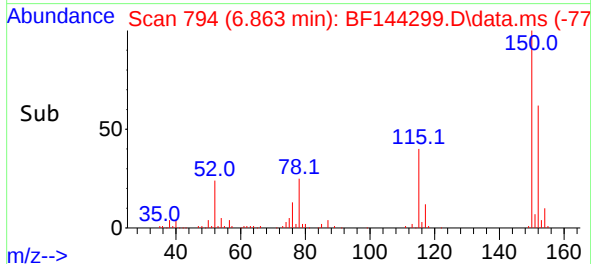


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

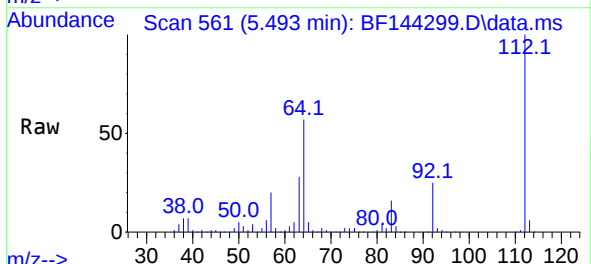
Instrument :
BNA_F
ClientSampleId :
ETGI-354



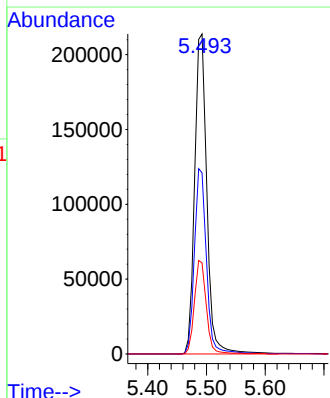
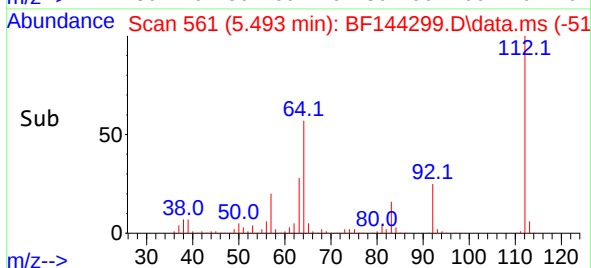
Tgt Ion:152 Resp: 41168
Ion Ratio Lower Upper
152 100
150 160.7 127.4 191.0
115 63.5 49.5 74.3



#5
2-Fluorophenol
Concen: 117.315 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27



Tgt Ion:112 Resp: 308628
Ion Ratio Lower Upper
112 100
64 56.6 47.2 70.8
63 28.4 24.4 36.6

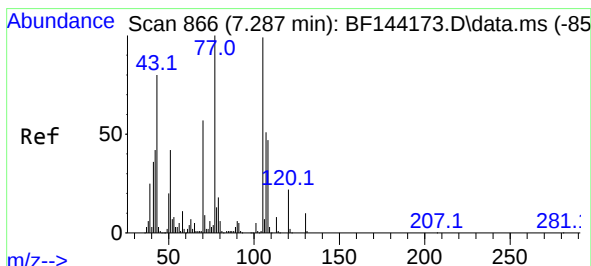
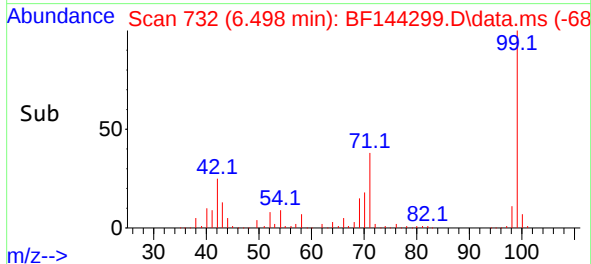
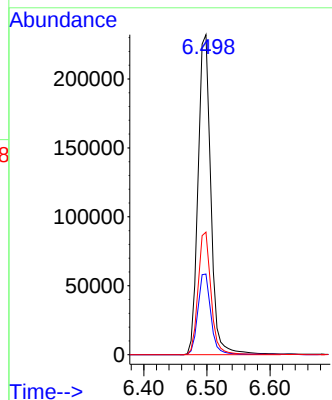
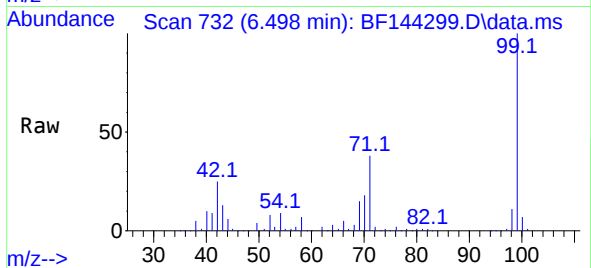




#7
Phenol-d6
Concen: 109.492 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

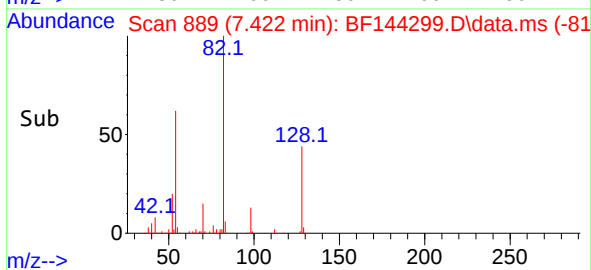
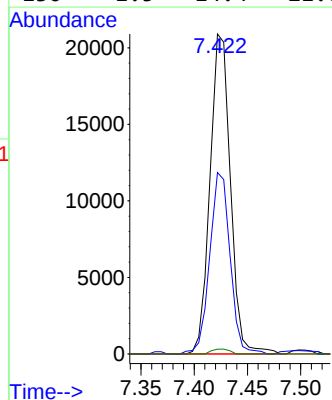
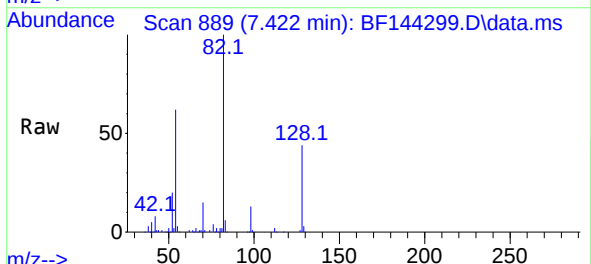
Instrument :
BNA_F
ClientSampleId :
ETGI-354

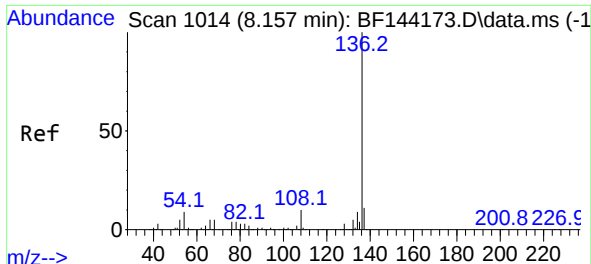
Tgt Ion: 99 Resp: 326381
Ion Ratio Lower Upper
99 100
42 25.2 20.9 31.3
71 38.3 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.246 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 70 Resp: 27955
Ion Ratio Lower Upper
70 100
42 56.7 58.3 87.5#
101 0.0 7.0 10.6#
130 1.5 14.4 21.6#



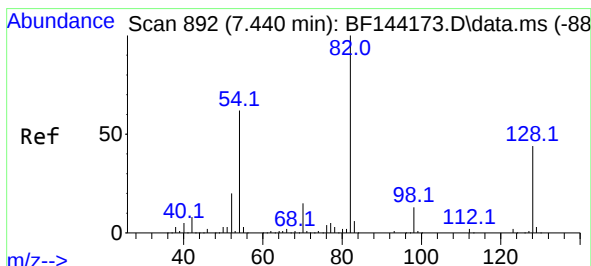
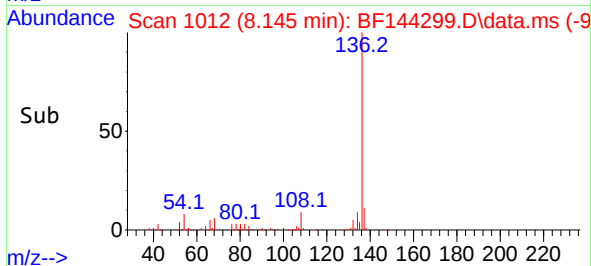
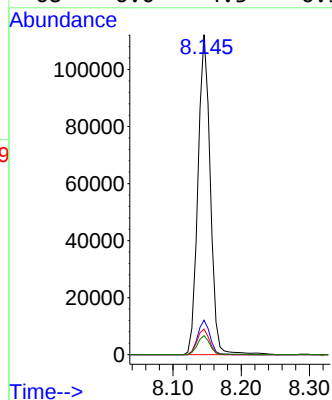
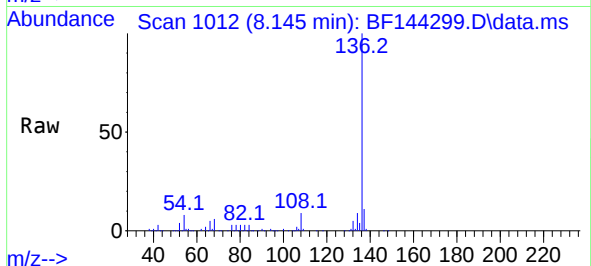


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ETGI-354

Tgt Ion:136 Resp: 140774

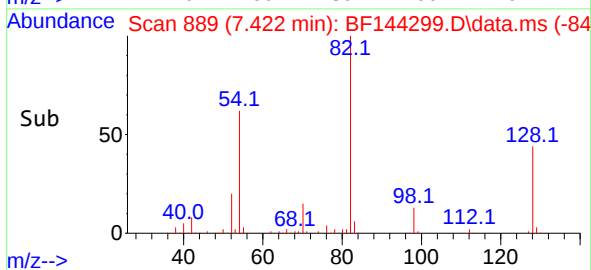
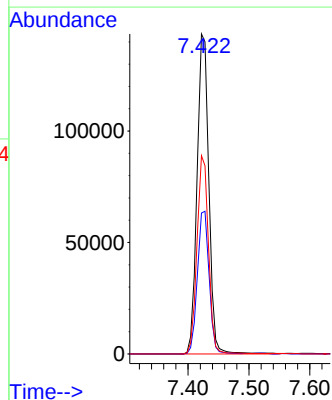
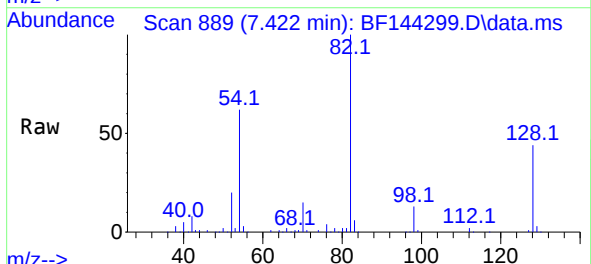
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.0	7.0	10.6
68	6.0	4.3	6.5

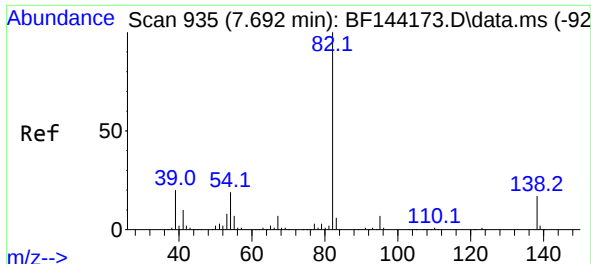


#23
Nitrobenzene-d5
Concen: 79.231 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 82 Resp: 193120

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.7	52.1
54	62.0	49.5	74.3

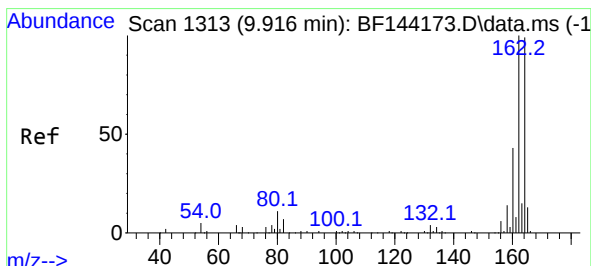
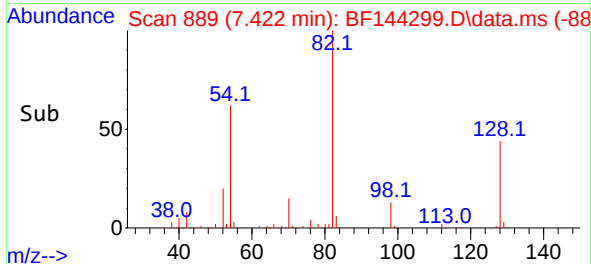
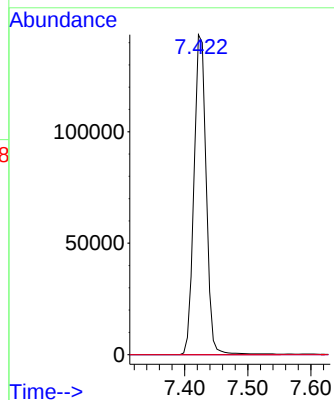
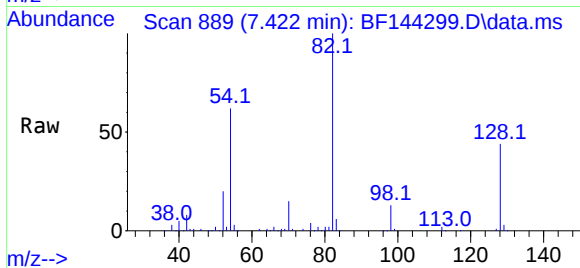




#25
Isophorone
Concen: 41.887 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

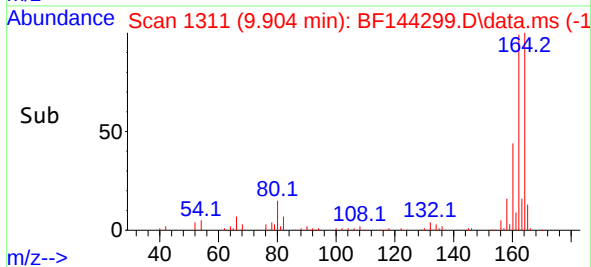
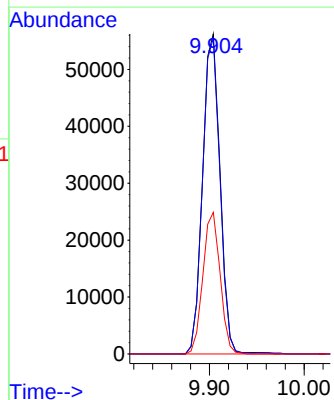
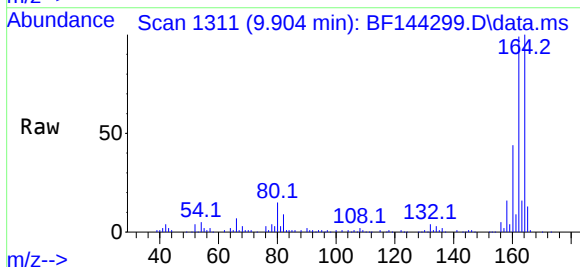
Instrument :
BNA_F
ClientSampleId :
ETGI-354

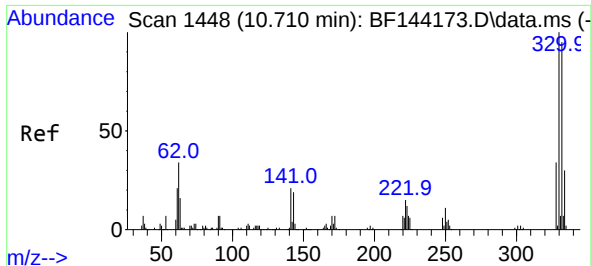
Tgt Ion: 82 Resp: 193119
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Tgt Ion:164 Resp: 71893
Ion Ratio Lower Upper
164 100
162 98.6 81.1 121.7
160 44.3 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 105.315 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF144299.D

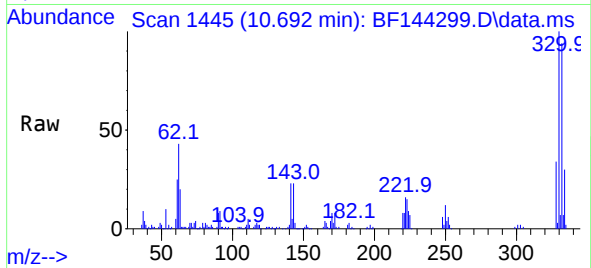
Acq: 20 Nov 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ETGI-354



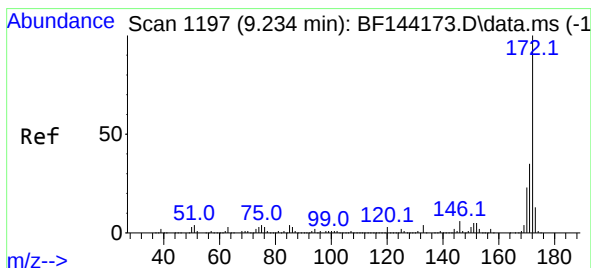
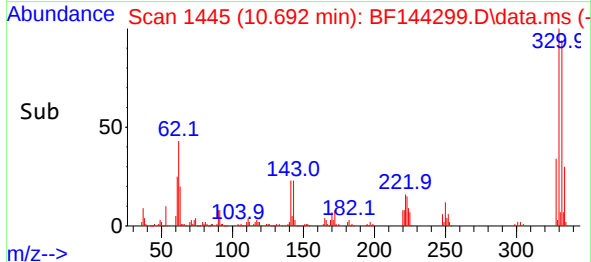
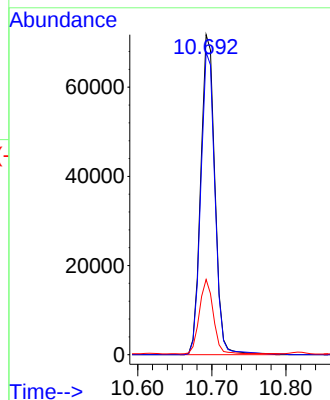
Tgt Ion:330 Resp: 95012

Ion Ratio Lower Upper

330 100

332 94.9 76.7 115.1

141 22.9 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 74.707 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF144299.D

Acq: 20 Nov 2025 17:27

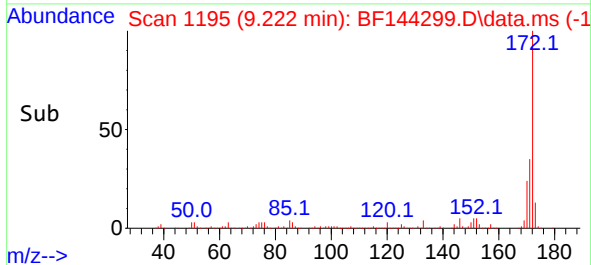
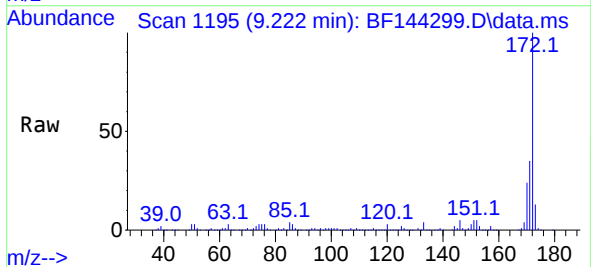
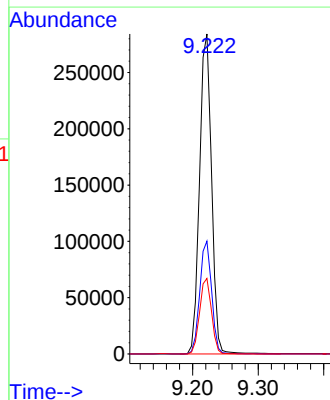
Tgt Ion:172 Resp: 363653

Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.6 18.6 28.0

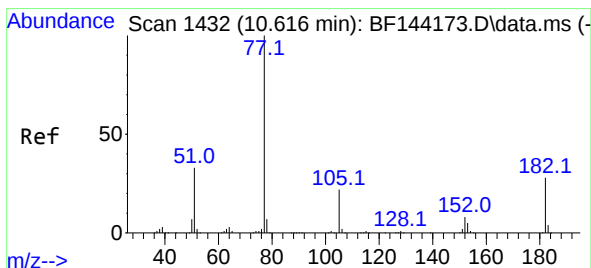
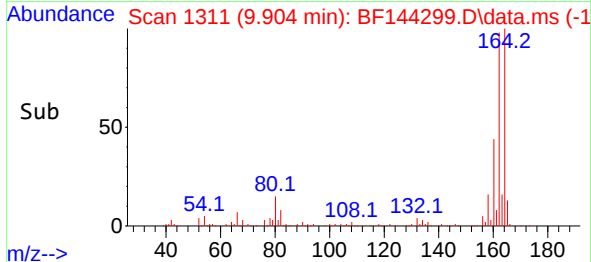
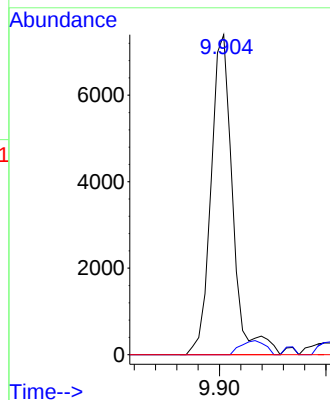
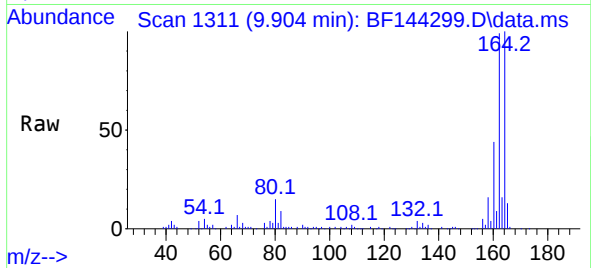




#51
2,6-Dinitrotoluene
Concen: 10.763 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

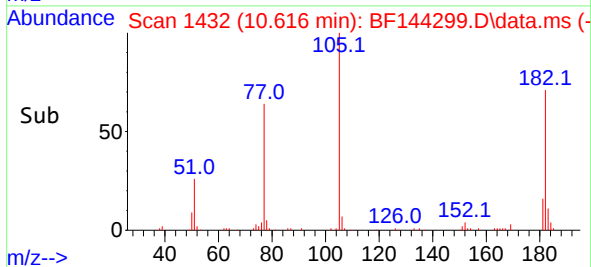
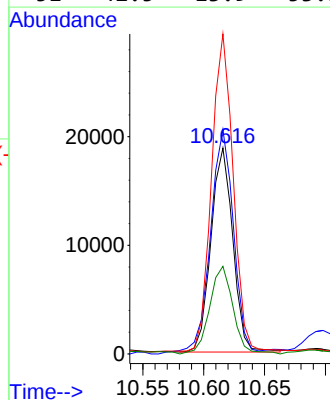
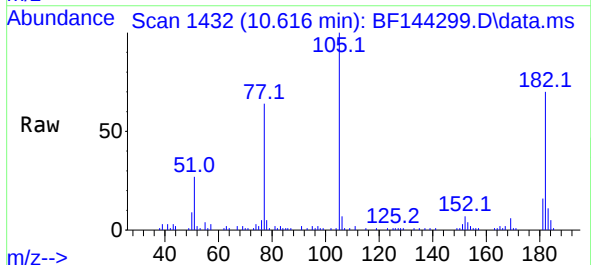
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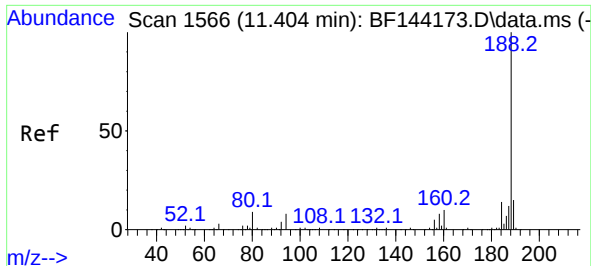
Tgt Ion:165 Resp: 10377
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#63
Azobenzene
Concen: 5.755 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

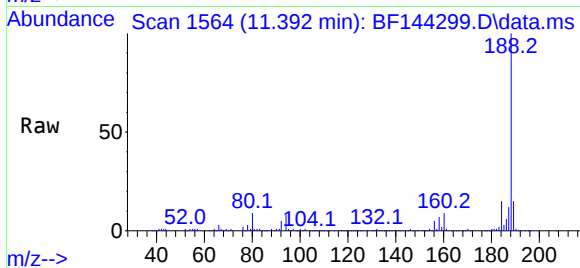
Tgt Ion: 77 Resp: 23516
Ion Ratio Lower Upper
77 100
182 109.0 8.1 48.1#
105 155.4 2.0 42.0#
51 42.5 13.9 53.9



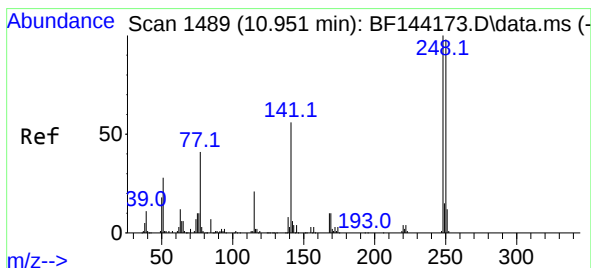
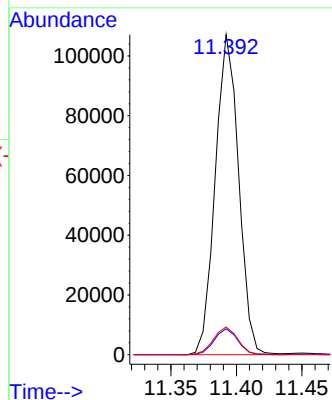
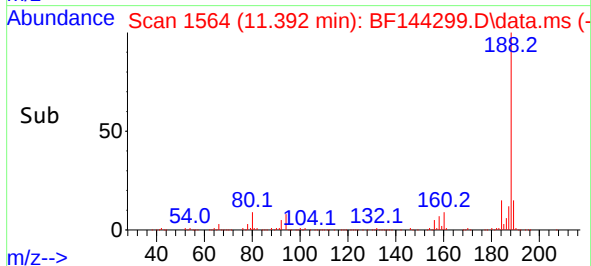


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ETGI-354

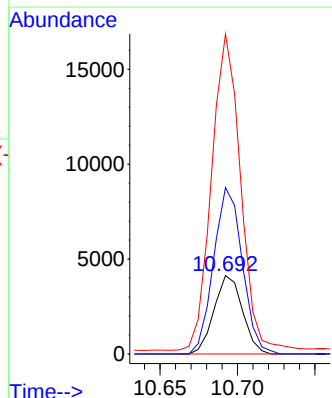
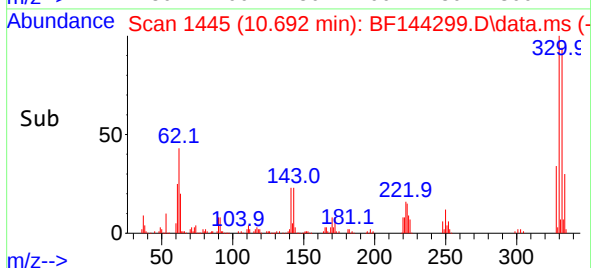
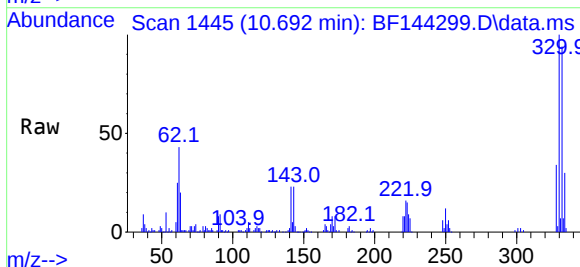


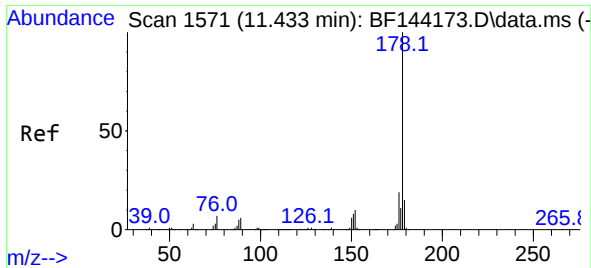
Tgt Ion:188 Resp: 132549
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.2
80 8.6 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 3.110 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.253 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Tgt Ion:248 Resp: 5262
Ion Ratio Lower Upper
248 100
250 212.1 78.4 117.6#
141 408.0 45.1 67.7#

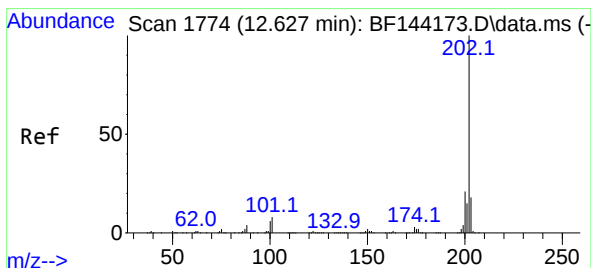
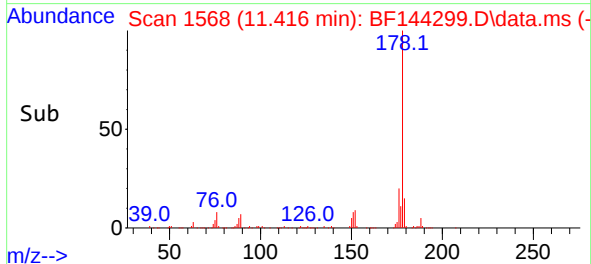
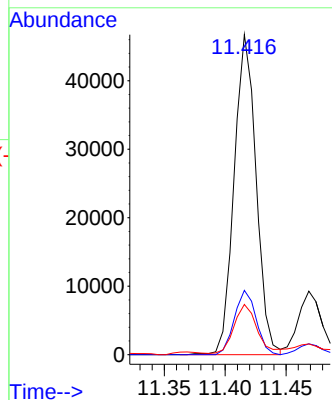
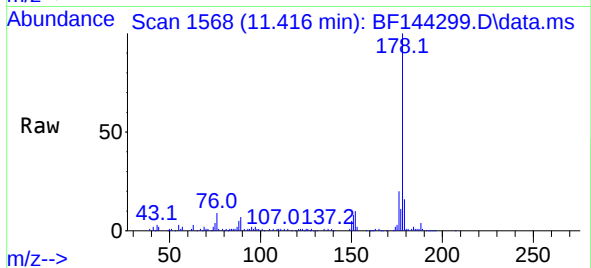




#71
Phenanthrene
Concen: 8.898 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

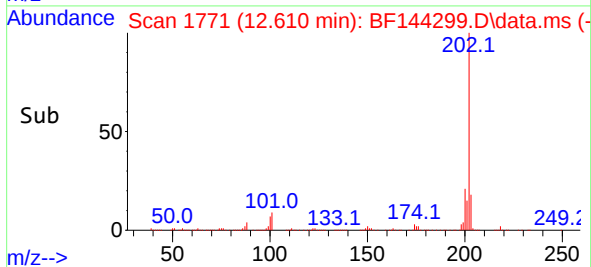
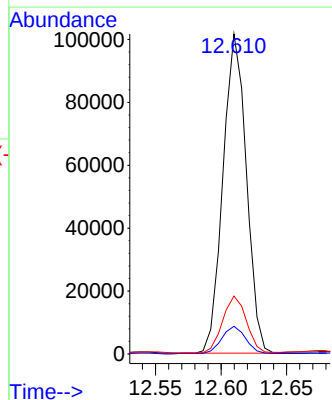
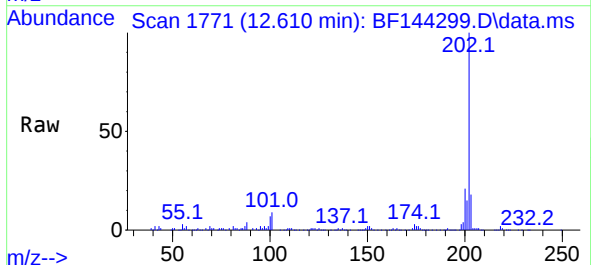
Instrument :
BNA_F
ClientSampleId :
ETGI-354

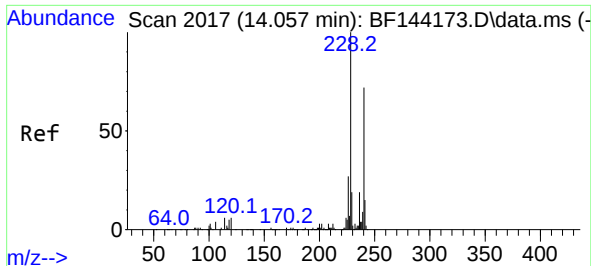
Tgt Ion:178 Resp: 58719
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.7 12.2 18.4



#75
Fluoranthene
Concen: 18.459 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Tgt Ion:202 Resp: 125836
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.9
203 18.1 0.0 37.5

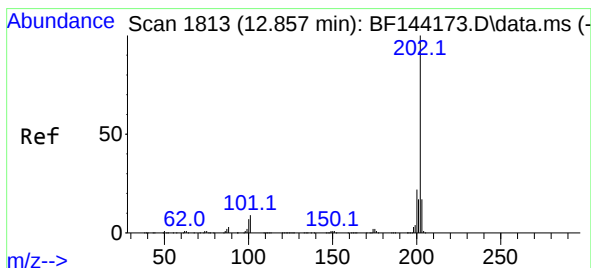
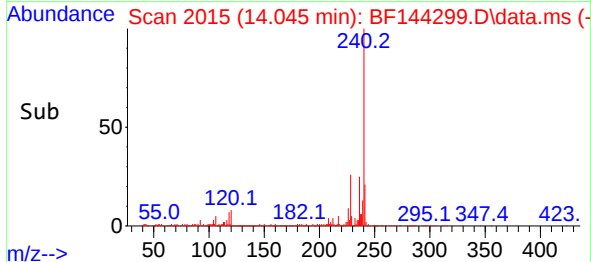
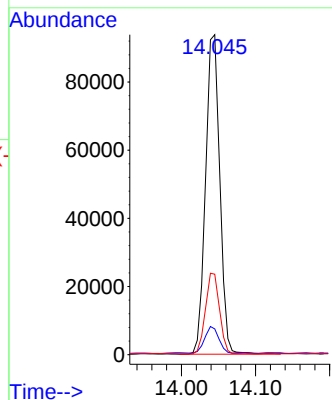
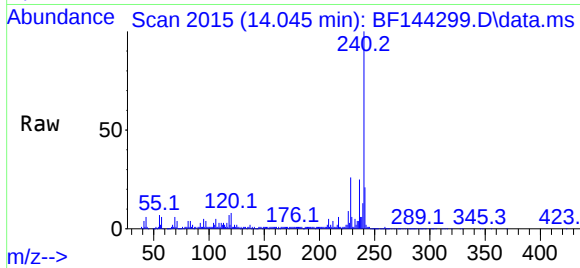




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

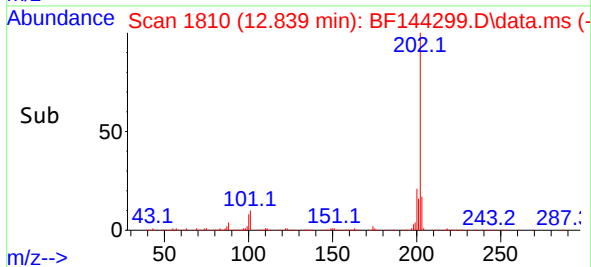
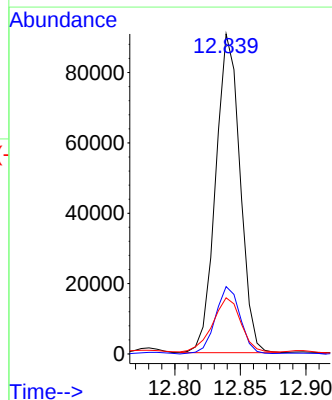
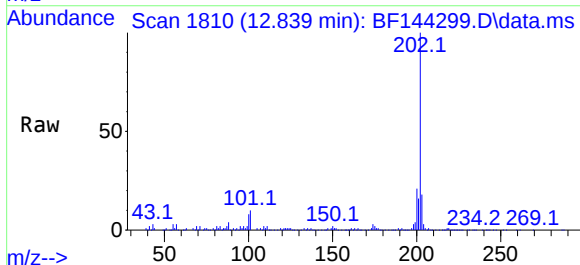
Instrument :
BNA_F
ClientSampleId :
ETGI-354

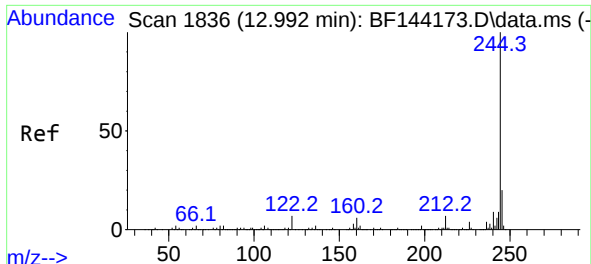
Tgt Ion:240 Resp: 125491
Ion Ratio Lower Upper
240 100
120 8.0 6.6 10.0
236 25.2 21.4 32.2



#78
Pyrene
Concen: 11.562 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Tgt Ion:202 Resp: 116991
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.6 13.7 20.5

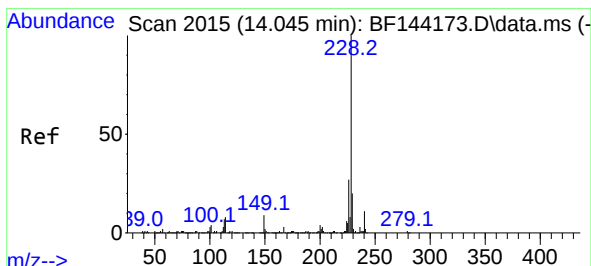
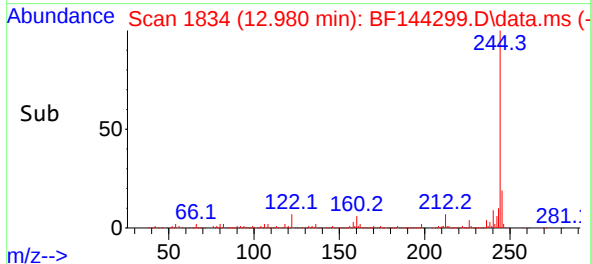
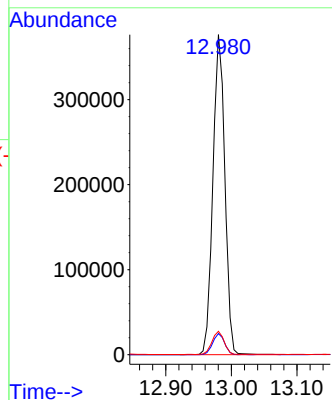
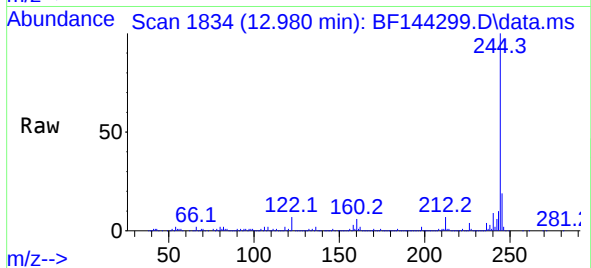




#79
 Terphenyl-d14
 Concen: 60.299 ng
 RT: 12.980 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF144299.D
 Acq: 20 Nov 2025 17:27

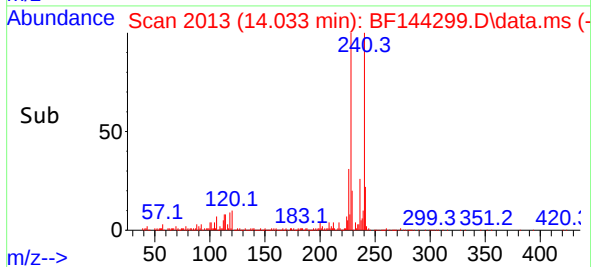
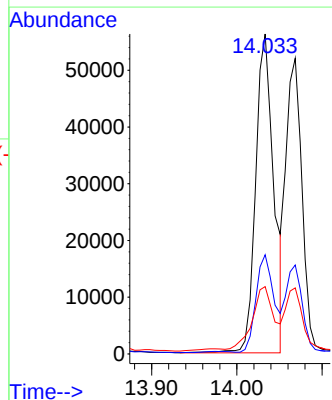
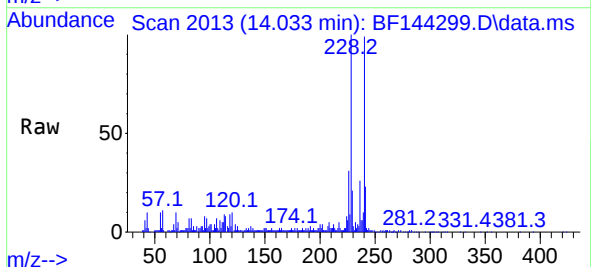
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-354

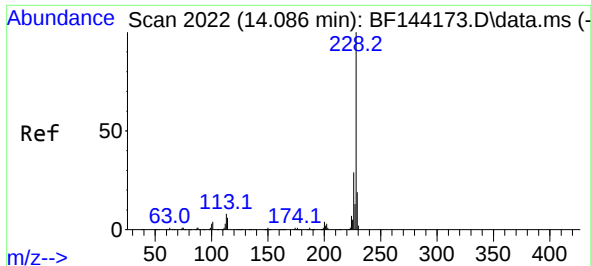
Tgt Ion:244 Resp: 476391
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 7.3 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 9.501 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144299.D
 Acq: 20 Nov 2025 17:27

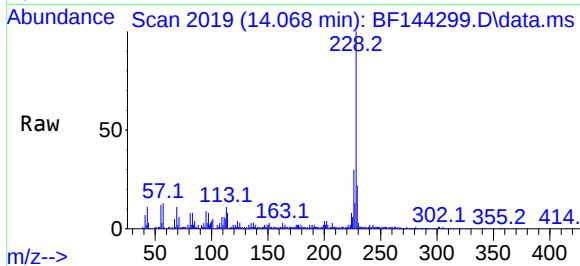
Tgt Ion:228 Resp: 82635
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.8 32.8
 229 21.0 15.8 23.6



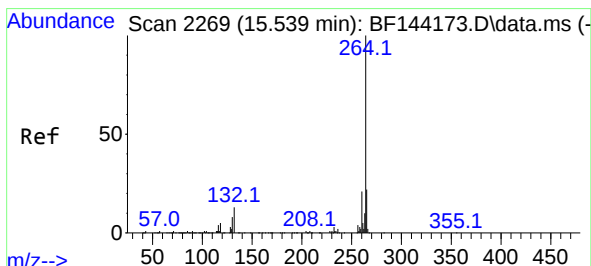
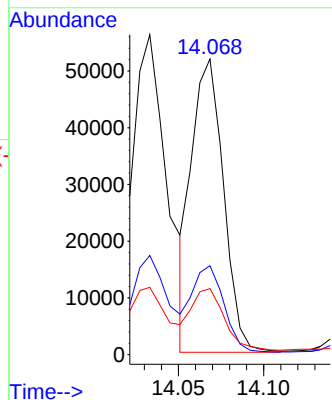
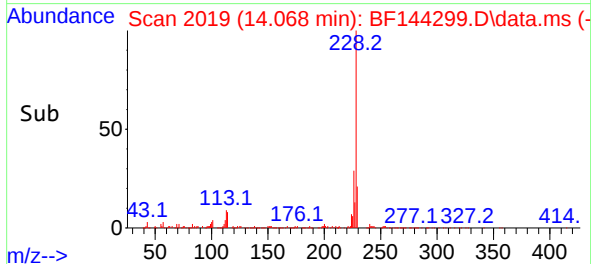


#83
Chrysene
Concen: 8.370 ng
RT: 14.068 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ETGI-354

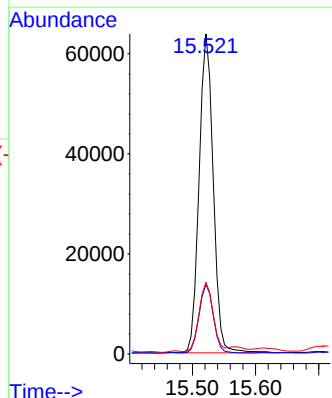
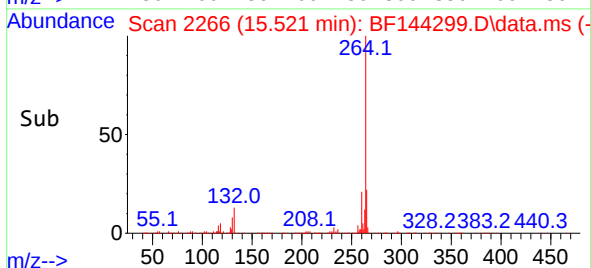
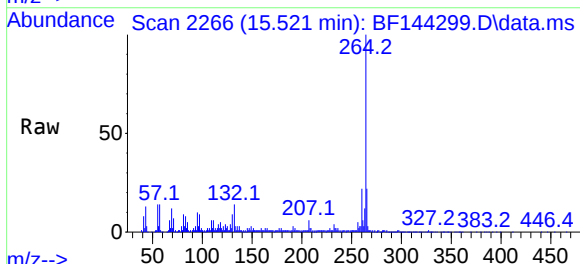


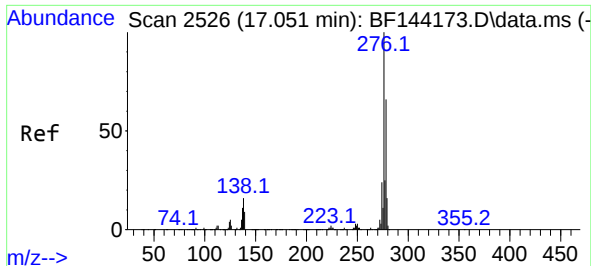
Tgt Ion:	228	Resp:	67201
Ion Ratio	Lower	Upper	
228	100		
226	30.1	22.9	34.3
229	22.4	15.0	22.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Tgt Ion:	264	Resp:	99006
Ion Ratio	Lower	Upper	
264	100		
260	21.7	17.1	25.7
265	22.3	17.4	26.0

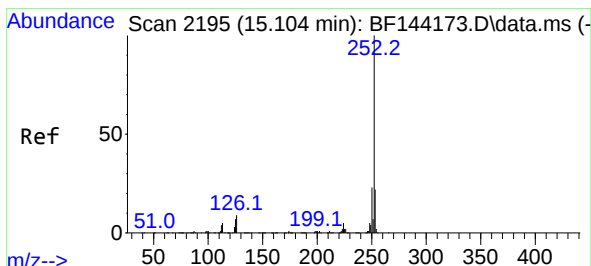
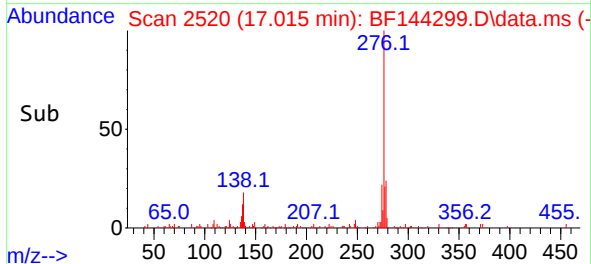
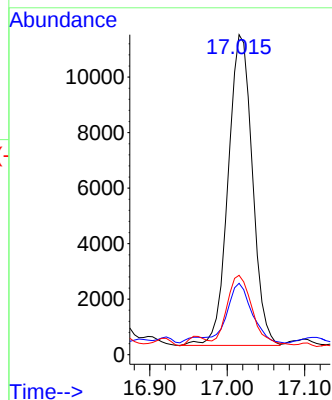
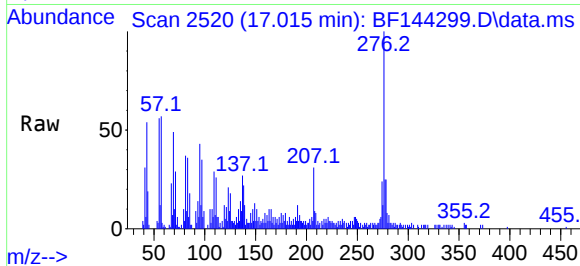




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.431 ng
RT: 17.015 min Scan# 2193
Delta R.T. -0.018 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

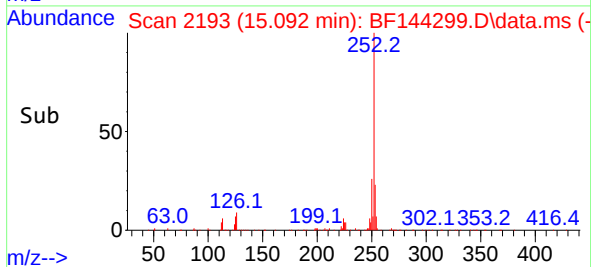
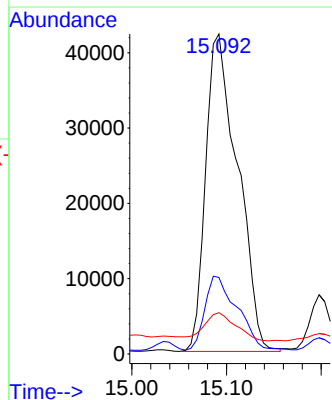
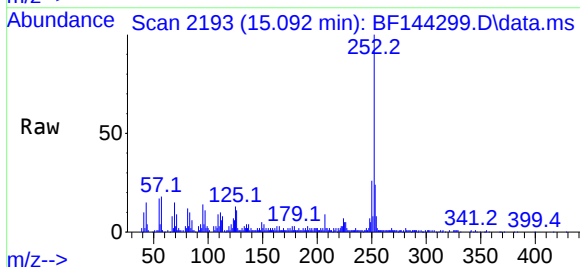
Instrument :
BNA_F
ClientSampleId :
ETGI-354

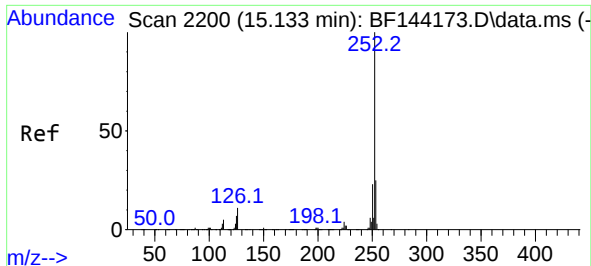
Tgt Ion:	276	Resp:	24381
Ion Ratio	Lower	Upper	
276	100		
138	19.5	13.9	20.9
277	24.2	19.8	29.6



#88
Benzo(b)fluoranthene
Concen: 17.539 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Tgt Ion:	252	Resp:	98719
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.4	26.2
125	12.9	5.3	7.9#





#89

Benzo(k)fluoranthene

Concen: 18.738 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF144299.D

Acq: 20 Nov 2025 17:27

Instrument :

BNA_F

ClientSampleId :

ETGI-354

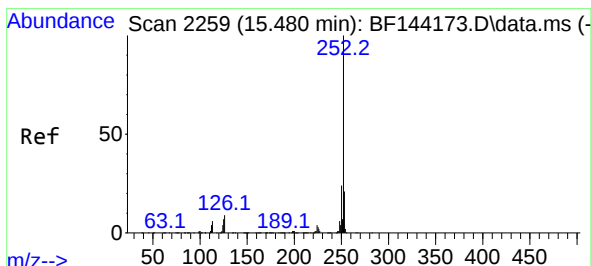
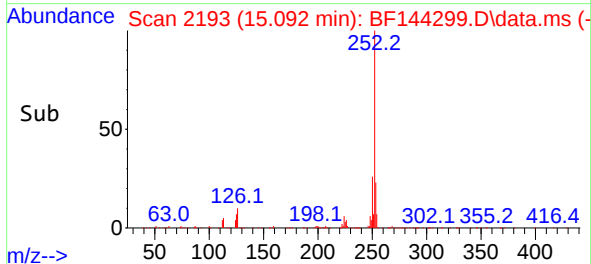
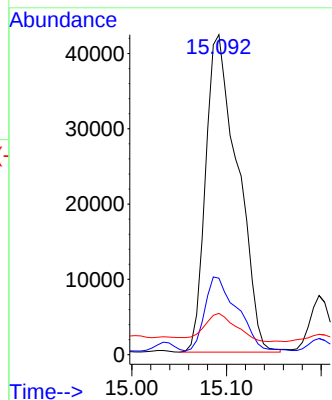
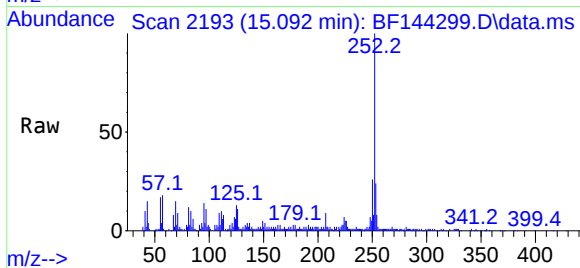
Tgt Ion:252 Resp: 98719

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

125 12.9 5.4 8.2#



#90

Benzo(a)pyrene

Concen: 8.595 ng

RT: 15.457 min Scan# 2255

Delta R.T. -0.018 min

Lab File: BF144299.D

Acq: 20 Nov 2025 17:27

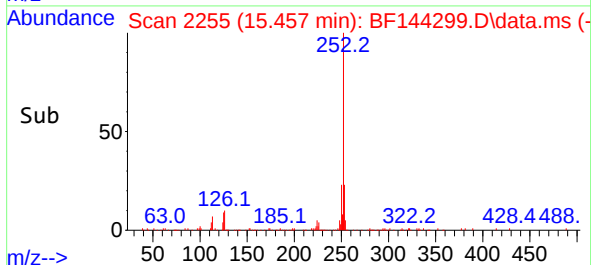
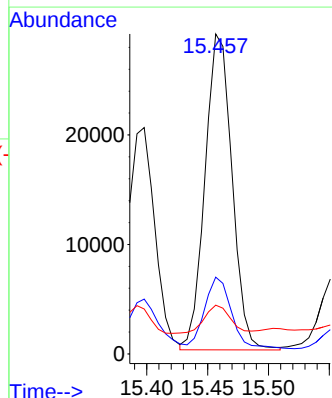
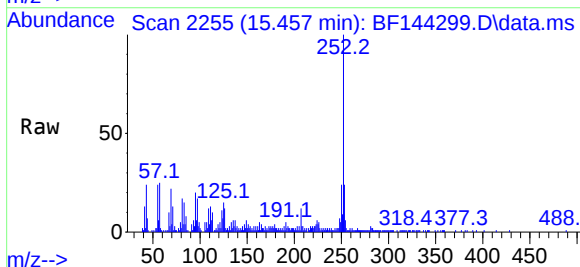
Tgt Ion:252 Resp: 44632

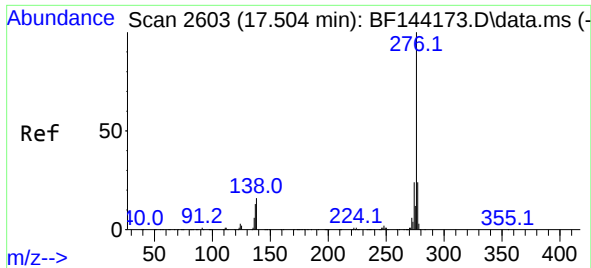
Ion Ratio Lower Upper

252 100

253 24.0 16.7 25.1

125 15.3 5.7 8.5#





#92
Benzo(g,h,i)perylene
Concen: 3.600 ng
RT: 17.468 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF144299.D
Acq: 20 Nov 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ETGI-354

Tgt Ion:276 Resp: 20294
Ion Ratio Lower Upper
276 100
277 27.7 19.0 28.4
138 21.8 12.9 19.3#

