

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
 Data File : BF139405.D
 Acq On : 17 Sep 2024 16:38
 Operator : RC/JU
 Sample : P3989-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

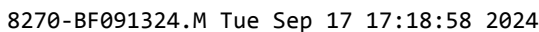
Quant Time: Sep 17 17:17:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	60562	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	216558	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	94517	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	145147	20.000	ng	0.00
76) Chrysene-d12	14.027	240	100931	20.000	ng	0.00
86) Perylene-d12	15.498	264	66817	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	316895	85.361	ng	0.00
7) Phenol-d6	6.504	99	416465	85.468	ng	0.00
23) Nitrobenzene-d5	7.439	82	295818	64.218	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	74197	73.736	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	460911	68.394	ng	0.00
79) Terphenyl-d14	12.980	244	351387	57.144	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	42680	14.781	ng	# 76
25) Isophorone	7.439	82	294846	40.472	ng	# 67
31) Naphthalene	8.181	128	31434	2.780	ng	99
37) 2-Methylnaphthalene	8.869	142	24312	3.388	ng	97
38) 1-Methylnaphthalene	8.969	142	17860	2.535	ng	96
57) 2,4-Dinitrotoluene	9.910	165	13326	7.182	ng	# 17
63) Azobenzene	10.622	77	14246	2.263	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	5044	3.507	ng	# 1
71) Phenanthrene	11.416	178	32520	4.644	ng	99
75) Fluoranthene	12.604	202	43469	5.813	ng	98
77) Benzidine	12.980	184	5896	4.077	ng	# 93
78) Pyrene	12.833	202	45390	5.238	ng	98
81) Benzo(a)anthracene	14.021	228	25183	3.767	ng	# 87
83) Chrysene	14.057	228	20597	3.349	ng	# 94
88) Benzo(b)fluoranthene	15.068	252	27854	6.759	ng	# 94
89) Benzo(k)fluoranthene	15.068	252	27854	7.331	ng	# 93
90) Benzo(a)pyrene	15.433	252	13244	3.875	ng	# 94
92) Benzo(g,h,i)perylene	17.403	276	8171	2.514	ng	# 96

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

Quant Time: Sep 17 17:17:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
Response via : Initial Calibration

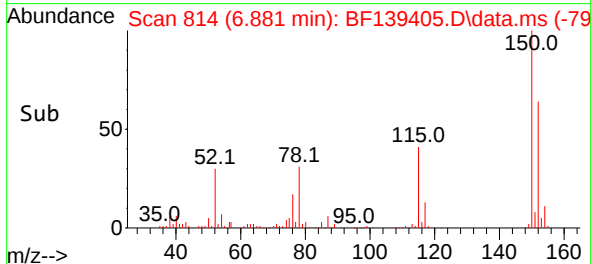
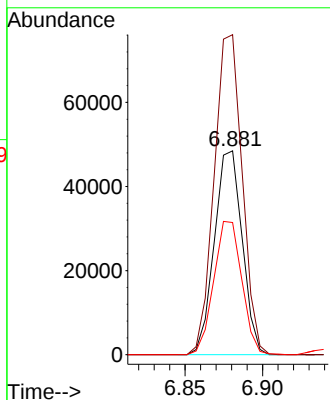
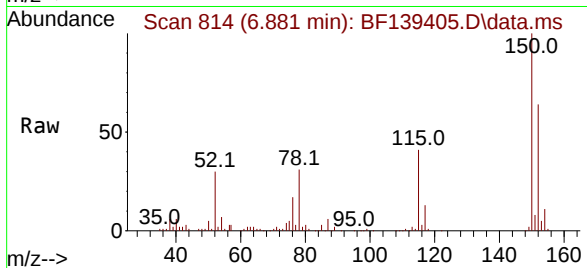




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

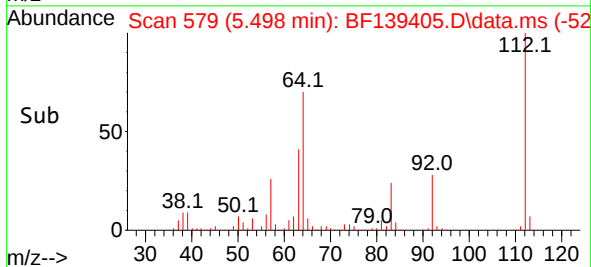
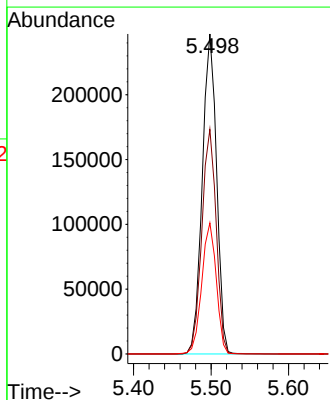
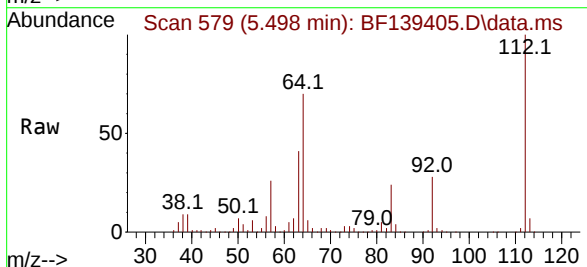
Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:152 Resp: 60562
Ion Ratio Lower Upper
152 100
150 157.0 124.1 186.1
115 64.9 48.1 72.1



#5
2-Fluorophenol
Concen: 85.361 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

Tgt Ion:112 Resp: 316895
Ion Ratio Lower Upper
112 100
64 70.2 54.8 82.2
63 41.0 33.0 49.4

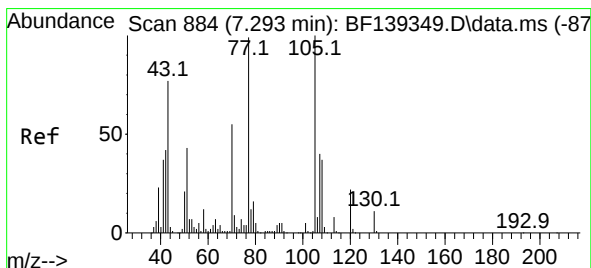
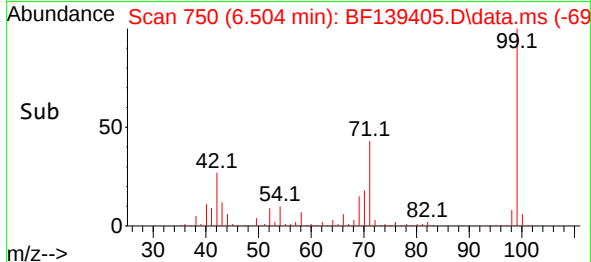
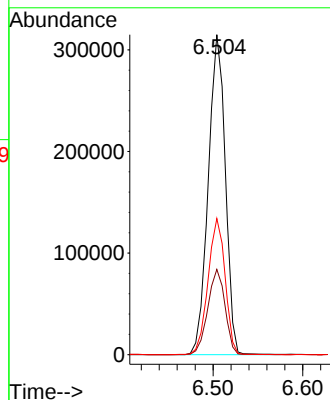
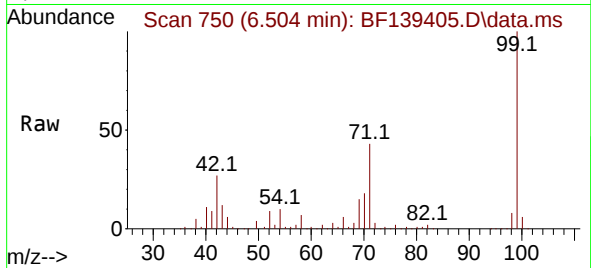




#7
Phenol-d6
Concen: 85.468 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

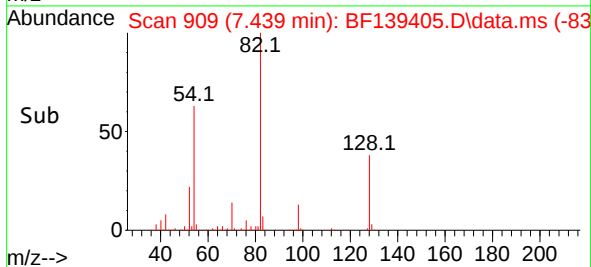
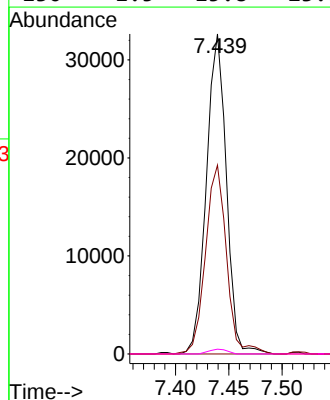
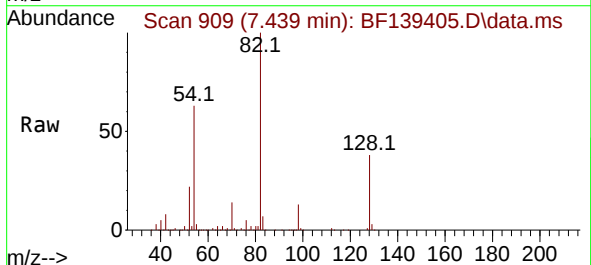
Instrument :
BNA_F
ClientSampleId :
TP-3

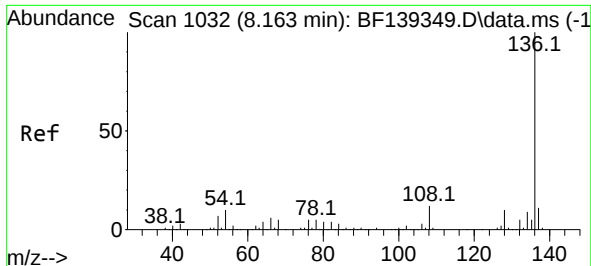
Tgt Ion: 99 Resp: 416465
Ion Ratio Lower Upper
99 100
42 26.7 21.9 32.9
71 42.6 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.781 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

Tgt Ion: 70 Resp: 42680
Ion Ratio Lower Upper
70 100
42 59.0 61.2 91.8#
101 0.0 7.5 11.3#
130 1.5 15.8 23.8#

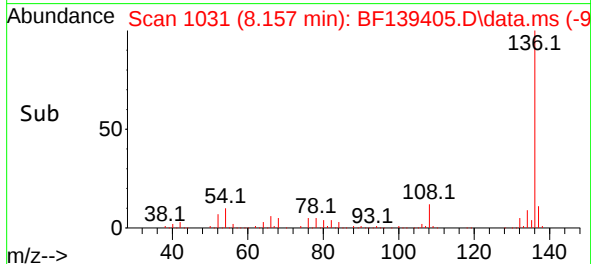
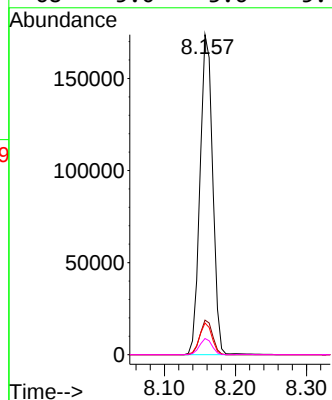
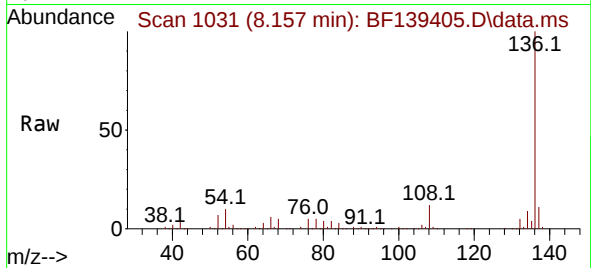




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

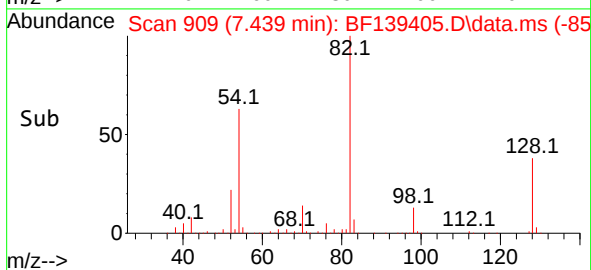
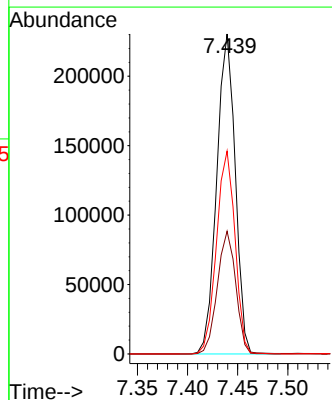
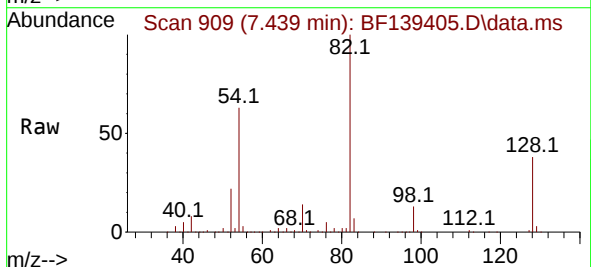
Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:136	Resp: 216558
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 12.8
54 9.9	7.8 11.8
68 5.0	3.6 5.4



#23
Nitrobenzene-d5
Concen: 64.218 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

Tgt Ion: 82	Resp: 295818
Ion Ratio	Lower Upper
82 100	
128 38.4	31.8 47.6
54 63.4	50.6 75.8

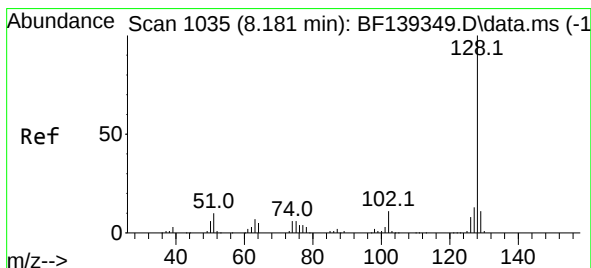
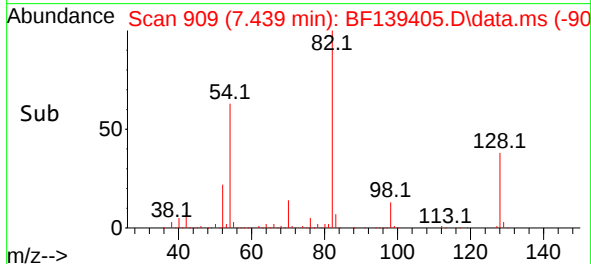
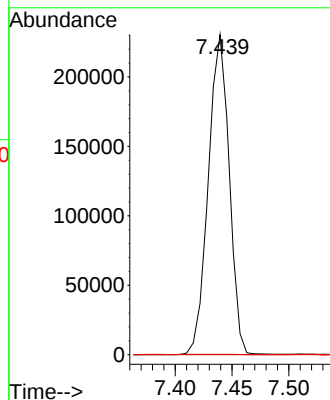
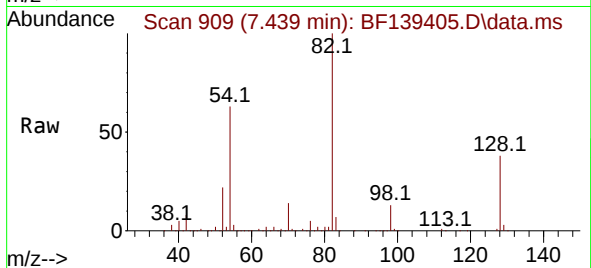




#25
Isophorone
Concen: 40.472 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.259 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

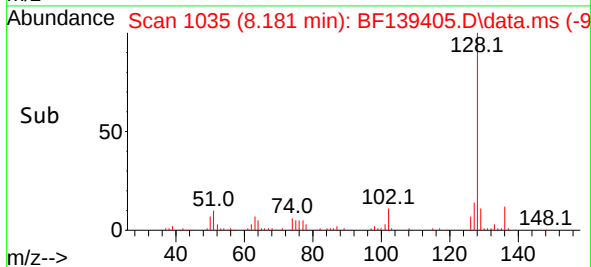
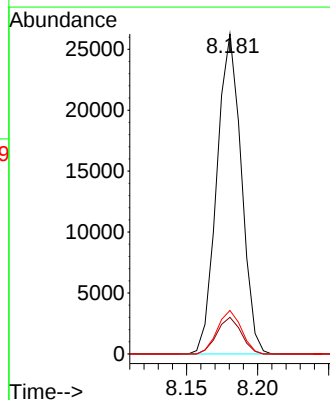
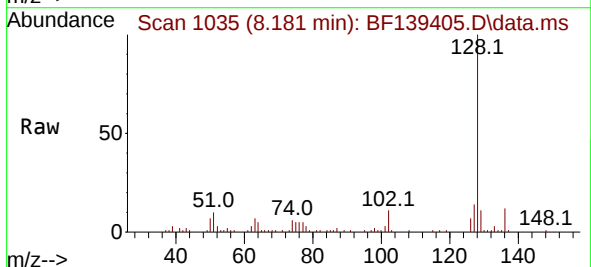
Instrument :
BNA_F
ClientSampleId :
TP-3

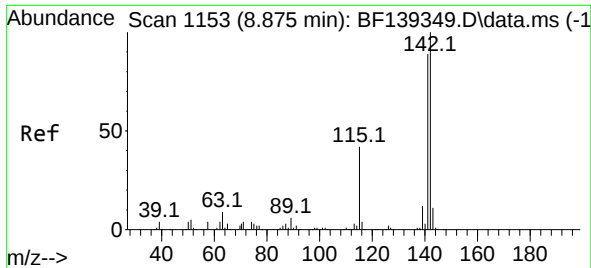
Tgt Ion: 82 Resp: 294846
Ion Ratio Lower Upper
82 100
95 0.1 6.7 10.1#
138 0.0 13.3 19.9#



#31
Naphthalene
Concen: 2.780 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

Tgt Ion: 128 Resp: 31434
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.6 10.6 16.0





#37

2-Methylnaphthalene

Concen: 3.388 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

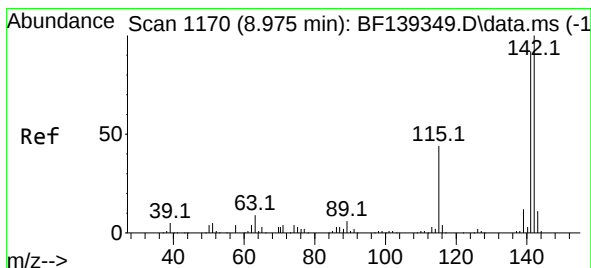
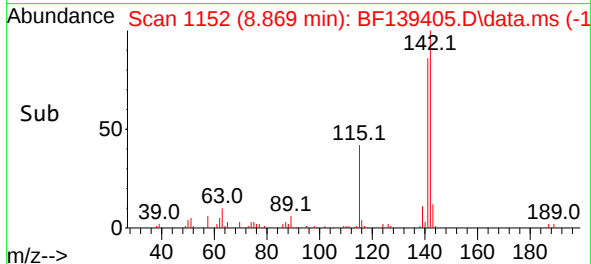
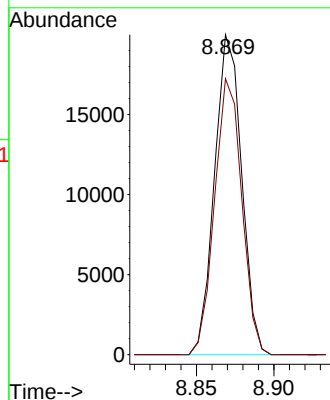
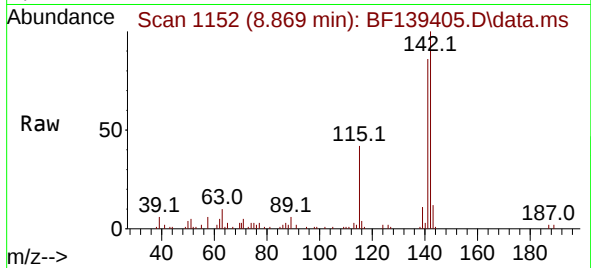
TP-3

Tgt Ion:142 Resp: 24312

Ion Ratio Lower Upper

142 100

141 86.2 71.6 107.4



#38

1-Methylnaphthalene

Concen: 2.535 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF139405.D

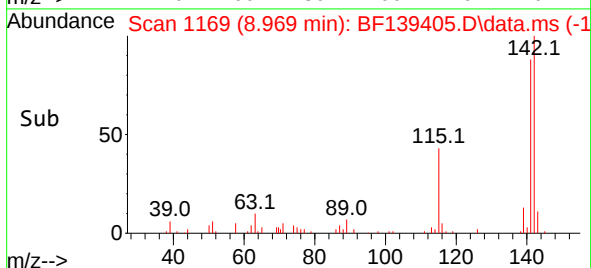
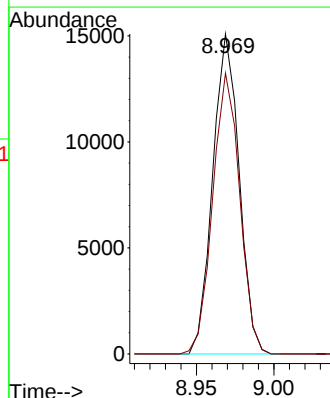
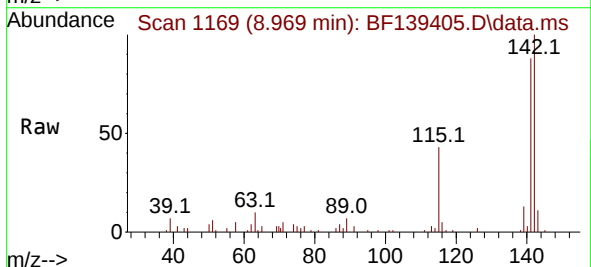
Acq: 17 Sep 2024 16:38

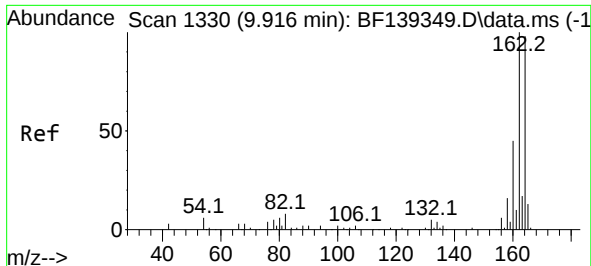
Tgt Ion:142 Resp: 17860

Ion Ratio Lower Upper

142 100

141 87.8 73.2 109.8

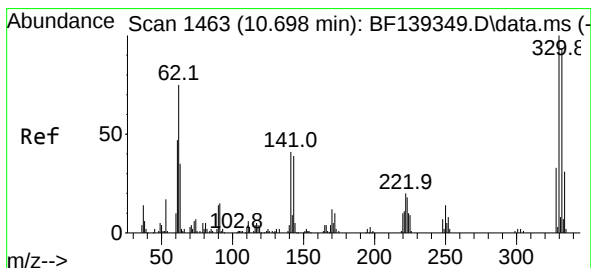
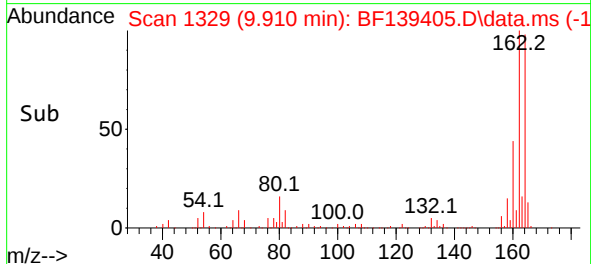
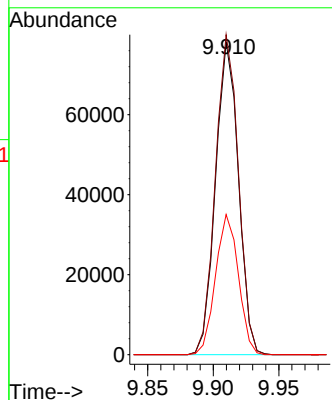
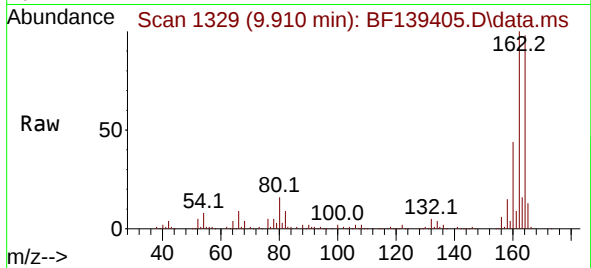




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

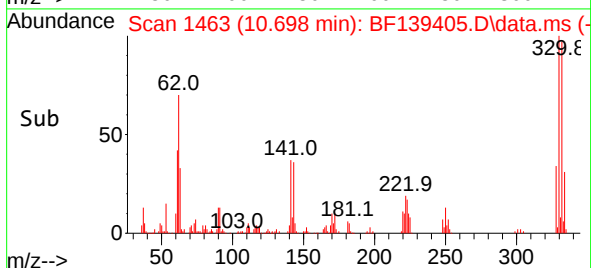
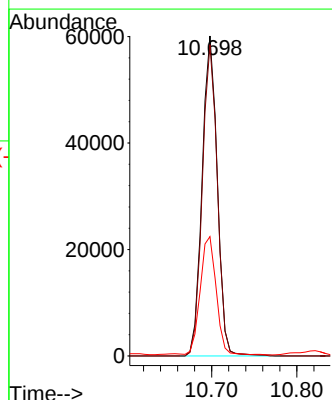
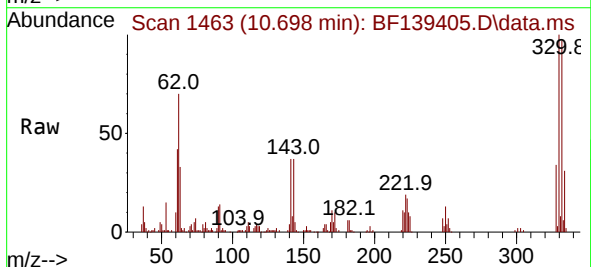
Instrument :
BNA_F
ClientSampleId :
TP-3

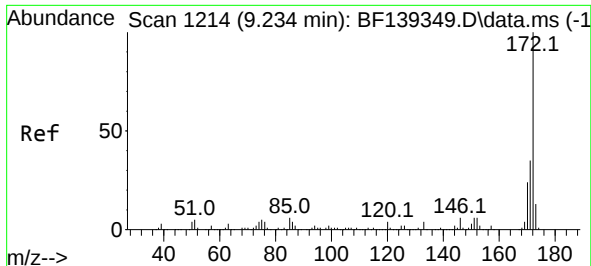
Tgt Ion:164 Resp: 94517
Ion Ratio Lower Upper
164 100
162 102.4 81.3 121.9
160 44.9 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 73.736 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

Tgt Ion:330 Resp: 74197
Ion Ratio Lower Upper
330 100
332 96.4 75.2 112.8
141 39.6 31.2 46.8

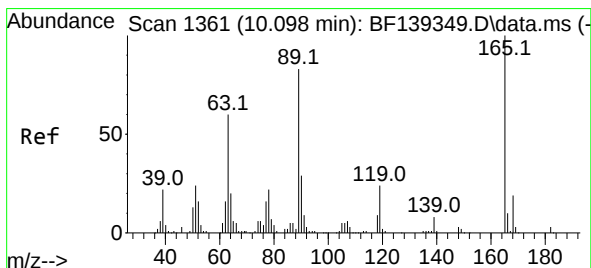
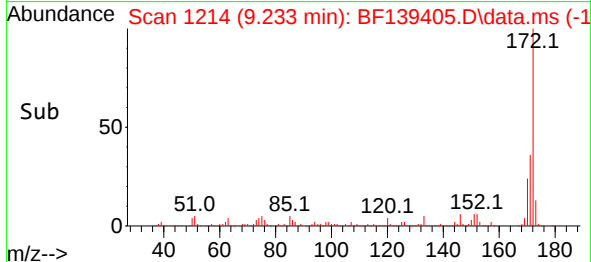
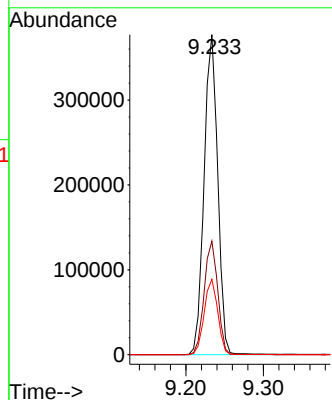
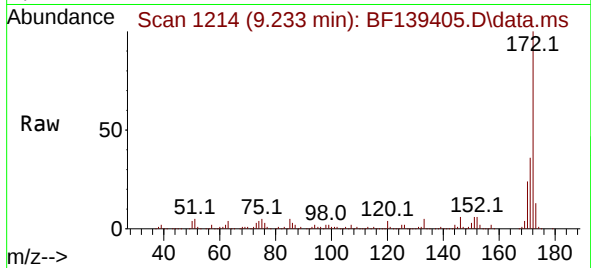




#45
2-Fluorobiphenyl
Concen: 68.394 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

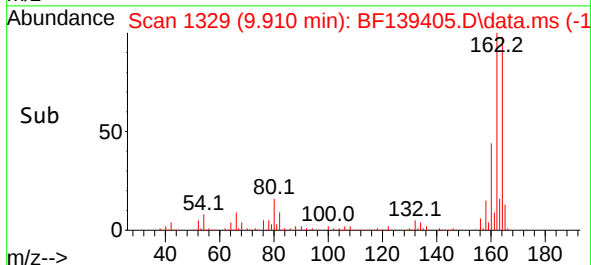
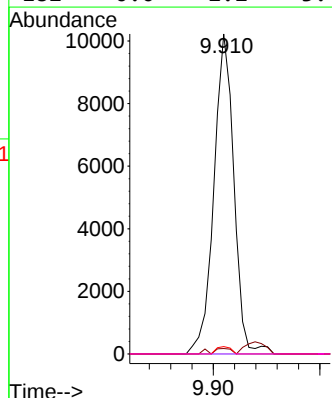
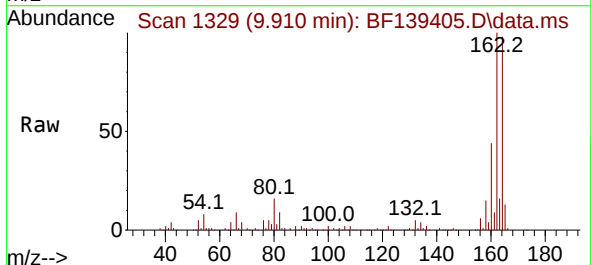
Instrument :
BNA_F
ClientSampleId :
TP-3

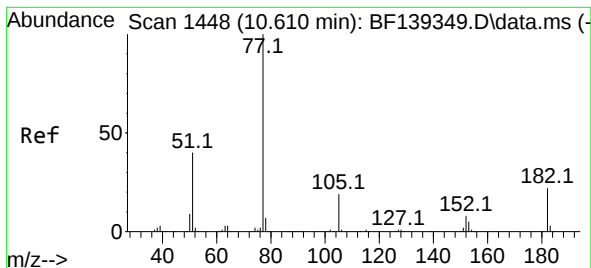
Tgt Ion:172 Resp: 460911
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.6 19.0 28.6



#57
2,4-Dinitrotoluene
Concen: 7.182 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

Tgt Ion:165 Resp: 13326
Ion Ratio Lower Upper
165 100
63 1.7 47.8 71.6#
89 2.3 66.7 100.1#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.263 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion: 77 Resp: 14246

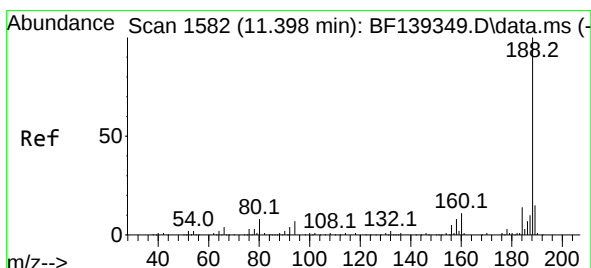
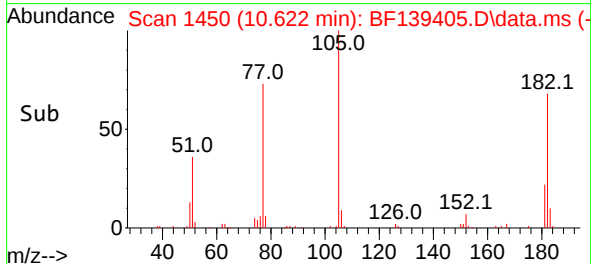
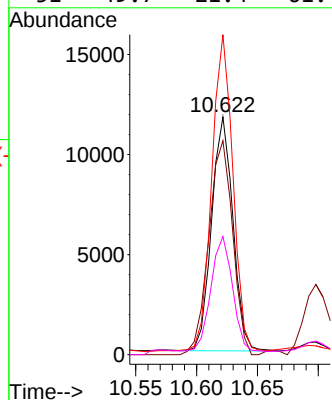
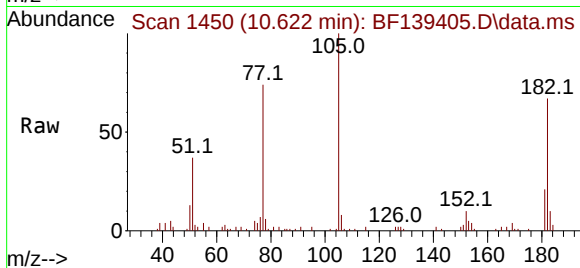
Ion Ratio Lower Upper

77 100

182 89.9 1.8 41.8#

105 134.5 0.0 38.6#

51 49.7 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

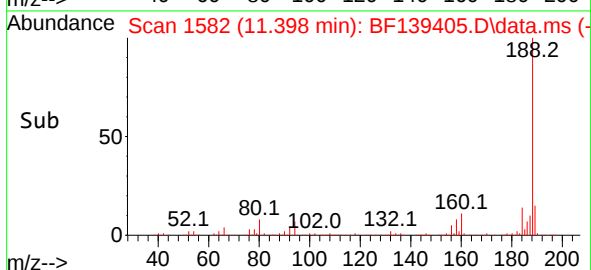
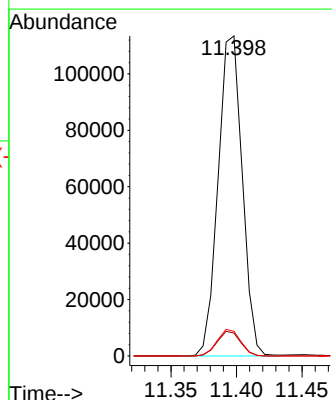
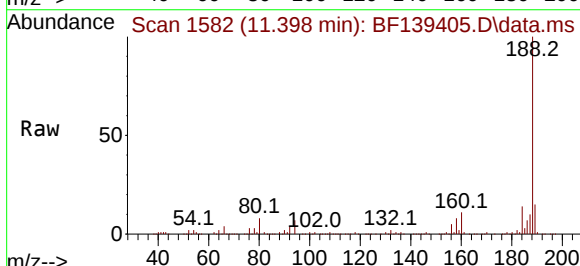
Tgt Ion:188 Resp: 145147

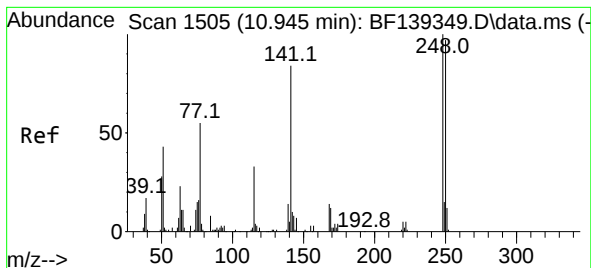
Ion Ratio Lower Upper

188 100

94 7.2 5.5 8.3

80 7.7 6.6 9.8

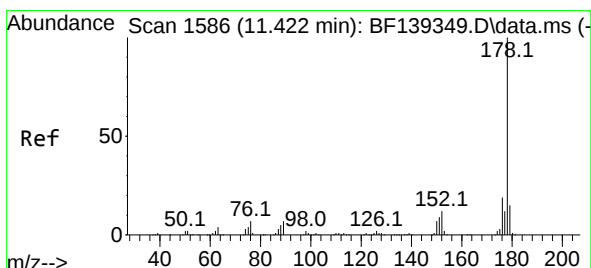
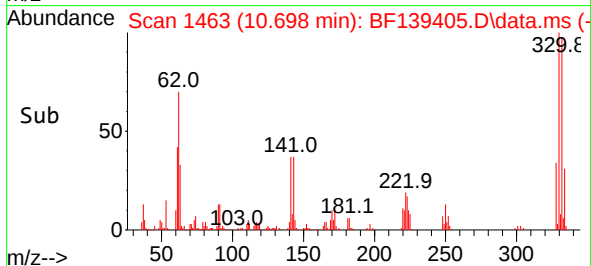
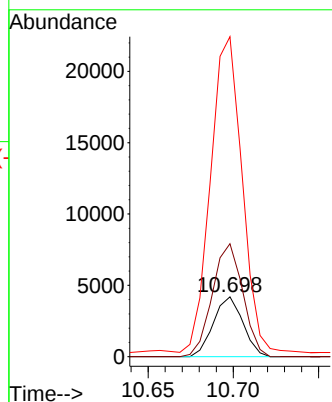
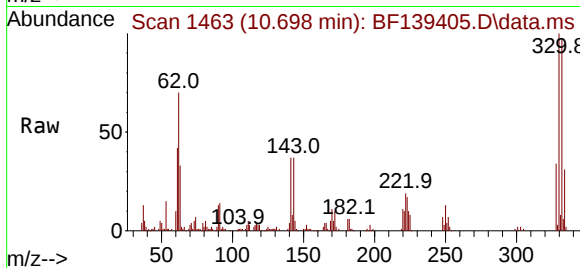




#67
4-Bromophenyl-phenylether
Concen: 3.507 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

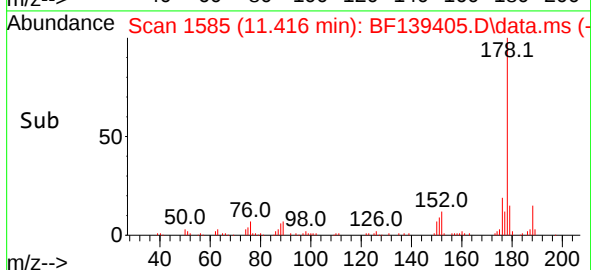
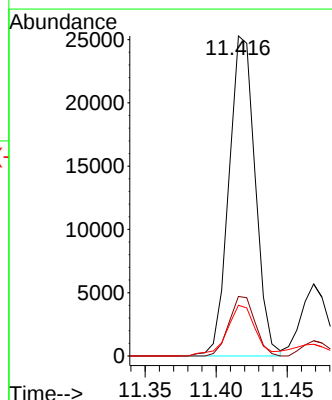
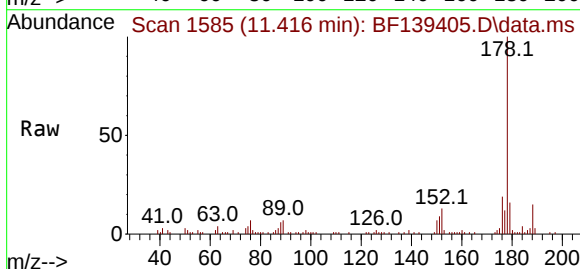
Instrument :
BNA_F
ClientSampleId :
TP-3

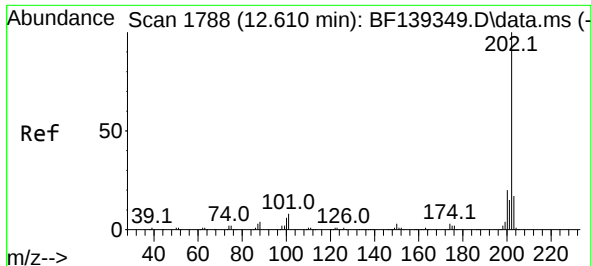
Tgt Ion:248 Resp: 5044
Ion Ratio Lower Upper
248 100
250 189.0 77.6 116.4#
141 535.1 66.9 100.3#



#71
Phenanthrene
Concen: 4.644 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

Tgt Ion:178 Resp: 32520
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 15.8 12.2 18.4

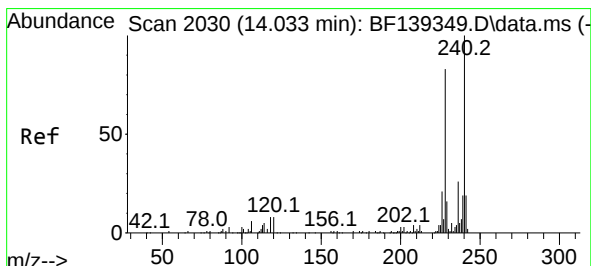
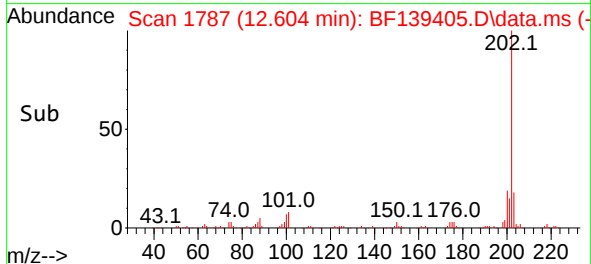
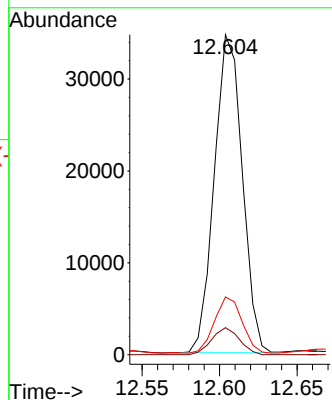
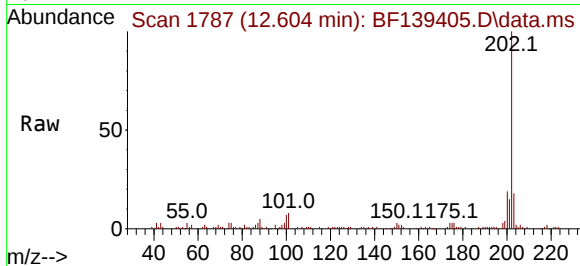




#75
Fluoranthene
Concen: 5.813 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

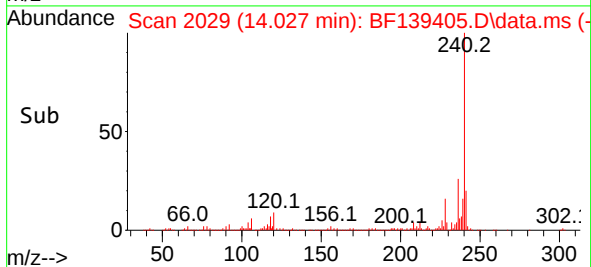
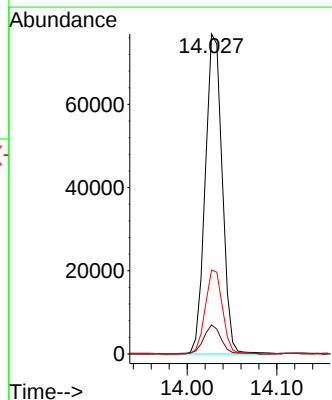
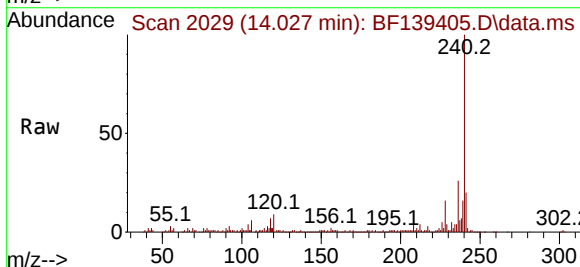
Instrument :
BNA_F
ClientSampleId :
TP-3

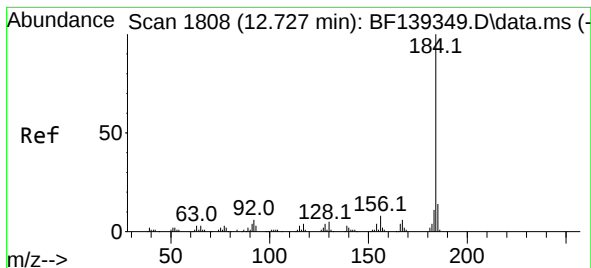
Tgt Ion:202 Resp: 43469
Ion Ratio Lower Upper
202 100
101 8.4 0.0 27.7
203 18.0 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

Tgt Ion:240 Resp: 100931
Ion Ratio Lower Upper
240 100
120 9.1 6.2 9.2
236 26.3 20.9 31.3





#77

Benzidine

Concen: 4.077 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.253 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-3

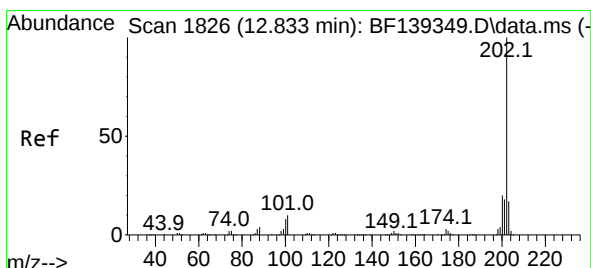
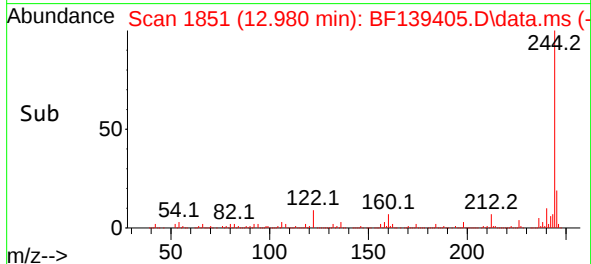
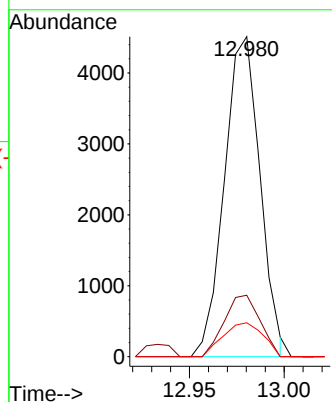
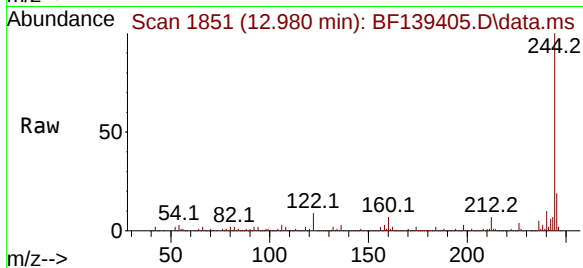
Tgt Ion:184 Resp: 5896

Ion Ratio Lower Upper

184 100

185 19.2 11.5 17.3#

183 10.6 8.9 13.3



#78

Pyrene

Concen: 5.238 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

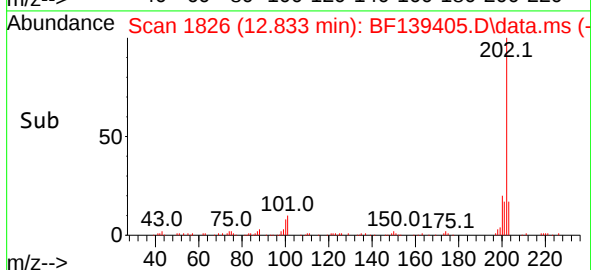
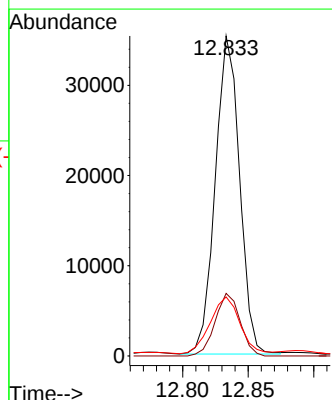
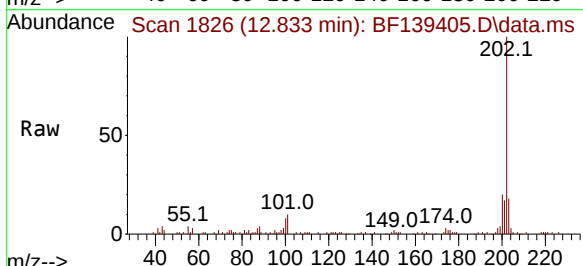
Tgt Ion:202 Resp: 45390

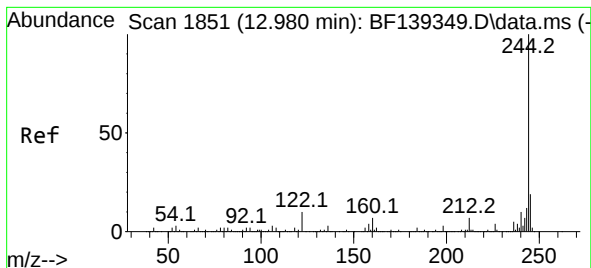
Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

203 18.5 13.9 20.9





#79

Terphenyl-d14

Concen: 57.144 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139405.D

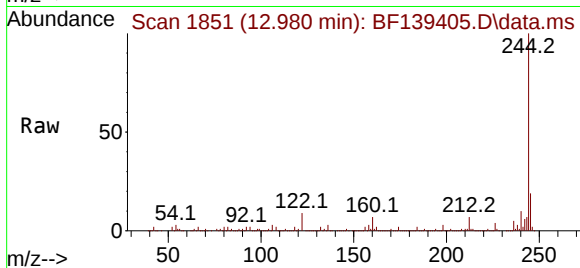
Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-3



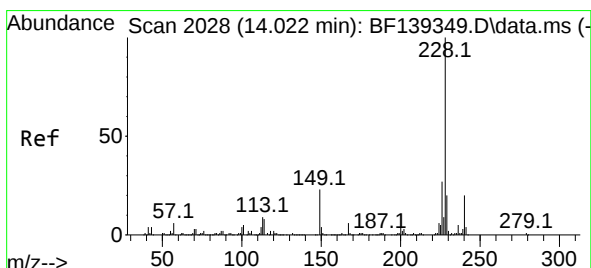
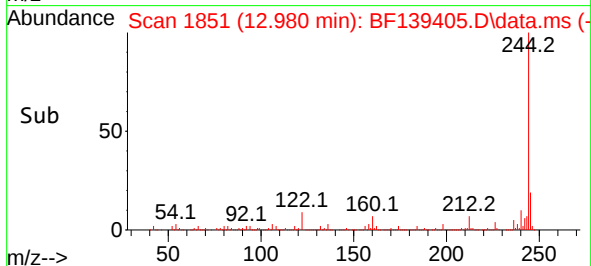
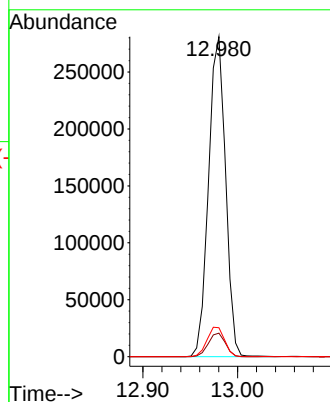
Tgt Ion:244 Resp: 351387

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 9.1 7.6 11.4



#81

Benzo(a)anthracene

Concen: 3.767 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

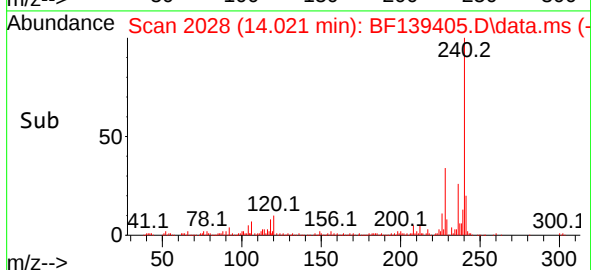
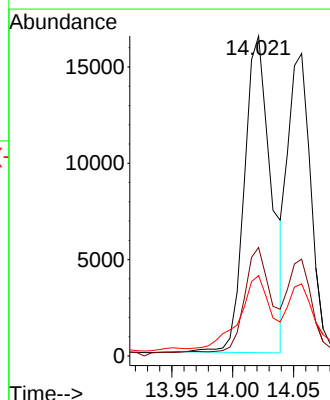
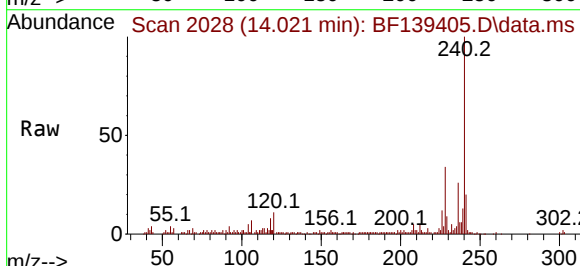
Tgt Ion:228 Resp: 25183

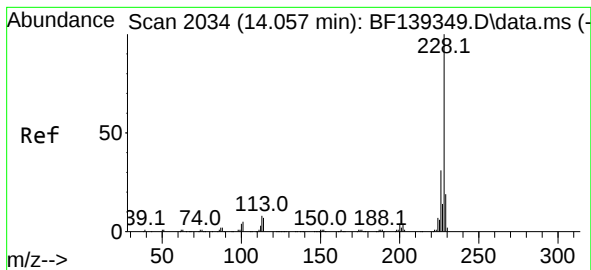
Ion Ratio Lower Upper

228 100

226 33.9 21.6 32.4#

229 25.1 15.7 23.5#





#83

Chrysene

Concen: 3.349 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-3

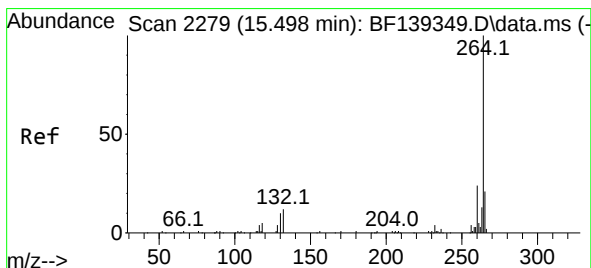
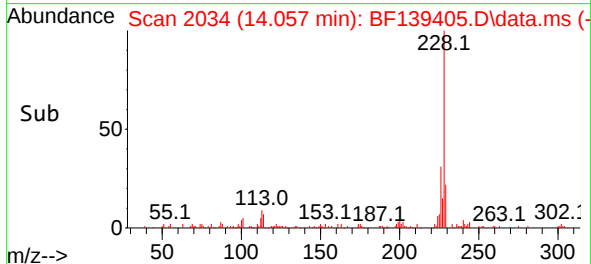
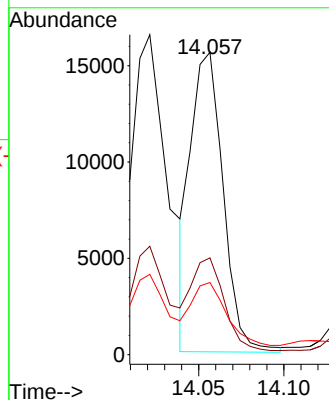
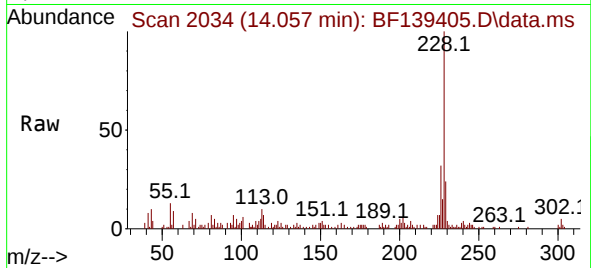
Tgt Ion:228 Resp: 20597

Ion Ratio Lower Upper

228 100

226 32.0 24.1 36.1

229 23.9 15.4 23.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2279

Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

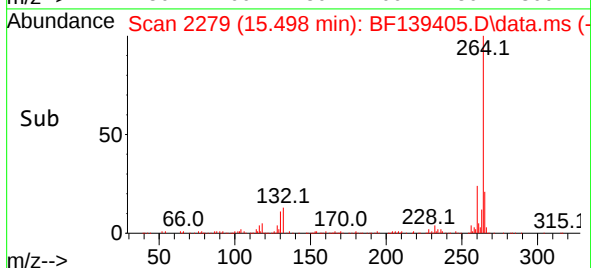
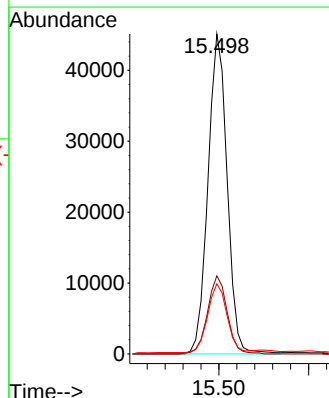
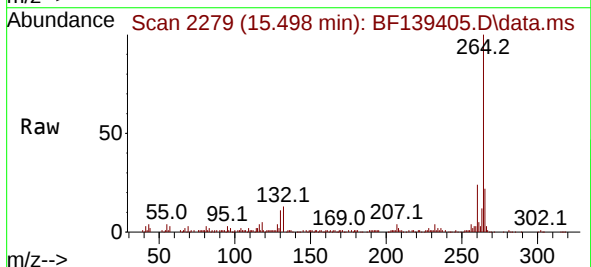
Tgt Ion:264 Resp: 66817

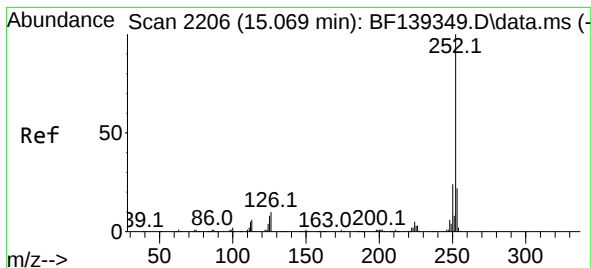
Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 21.9 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 6.759 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-3

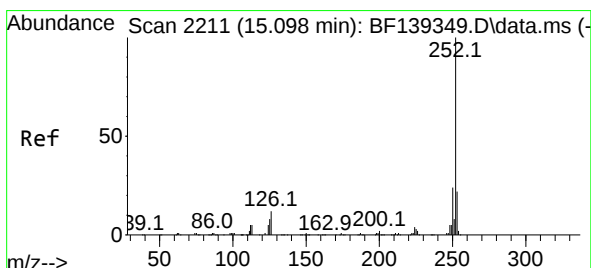
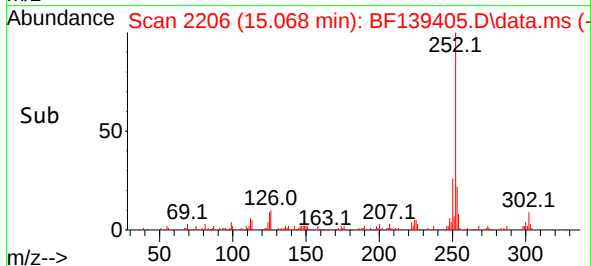
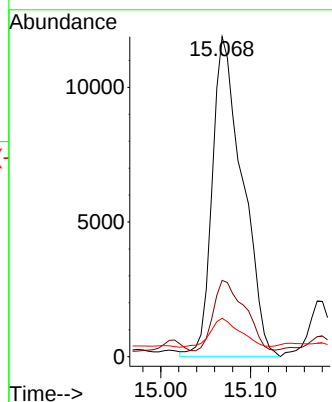
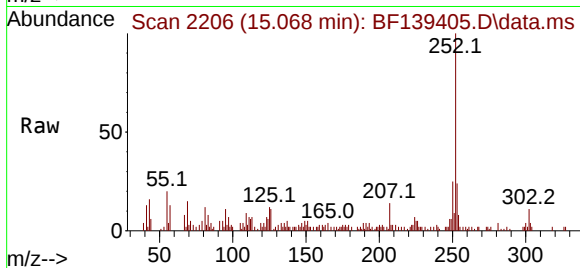
Tgt Ion:252 Resp: 27854

Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 12.0 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 7.331 ng

RT: 15.068 min Scan# 2206

Delta R.T. -0.030 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

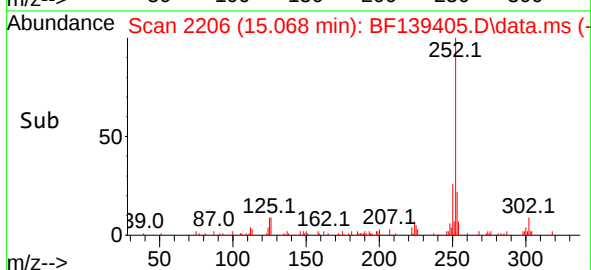
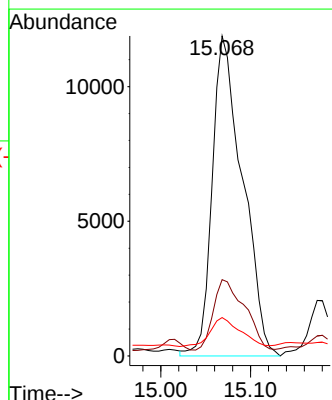
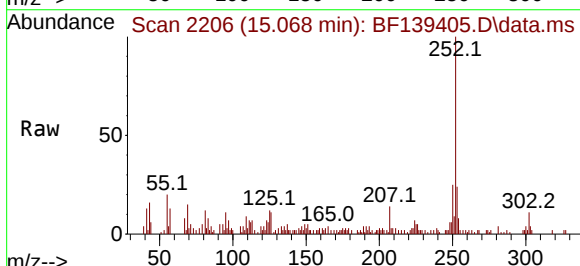
Tgt Ion:252 Resp: 27854

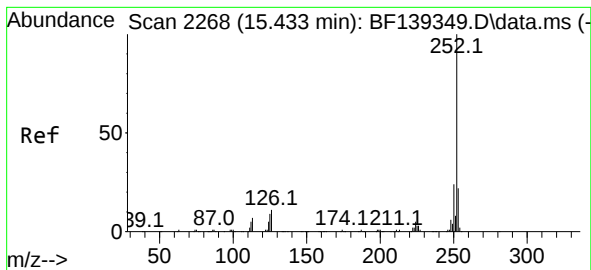
Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 12.0 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 3.875 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

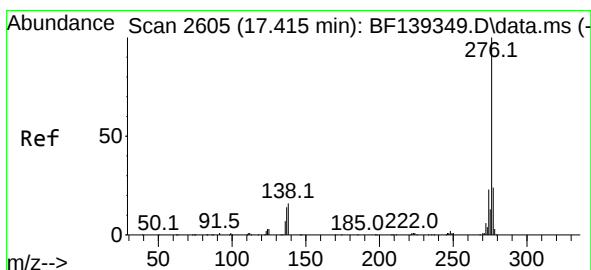
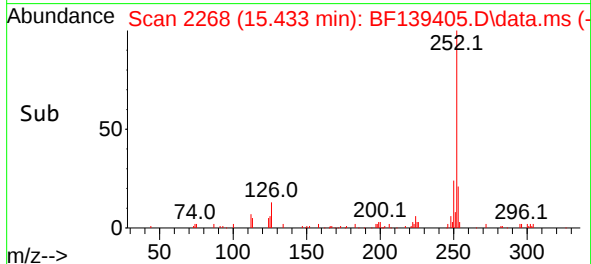
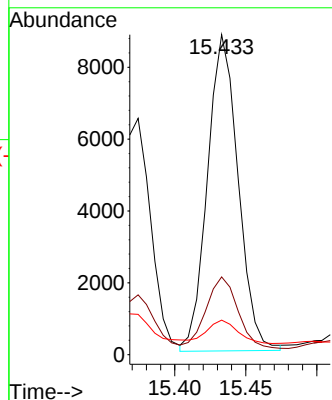
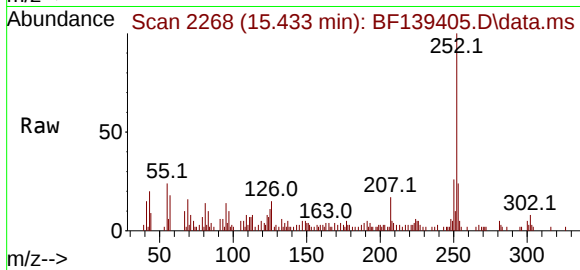
Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:	252	Resp:	13244
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.3	25.9
125	10.8	6.8	10.2#



#92

Benzo(g,h,i)perylene

Concen: 2.514 ng

RT: 17.403 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Tgt Ion:	276	Resp:	8171
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.9	28.3
138	19.8	13.0	19.6#

