

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139905.D
 Acq On : 21 Oct 2024 16:12
 Operator : RC/JU
 Sample : P4410-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-101524RE

Quant Time: Oct 21 16:35:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

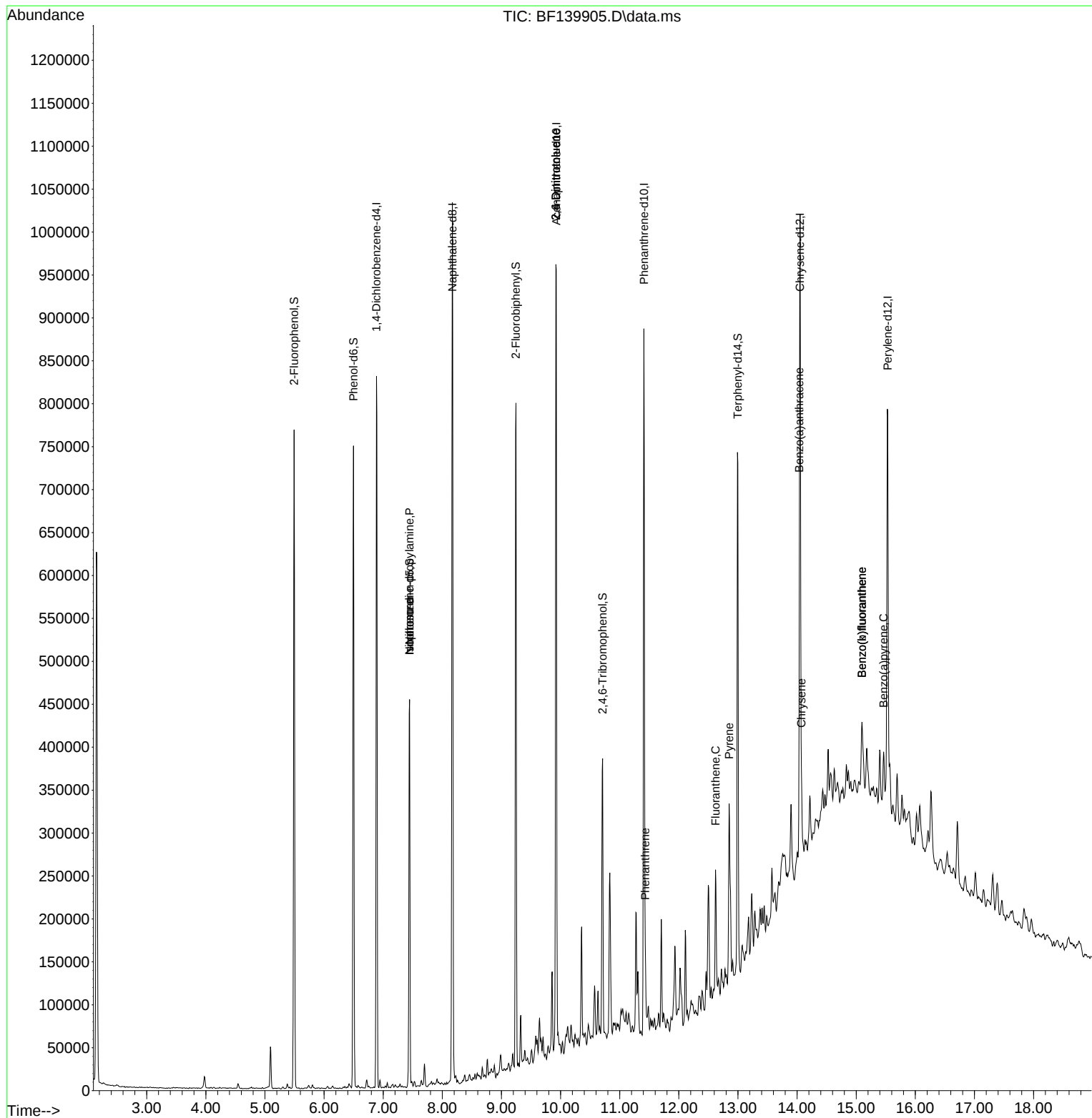
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	168660	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	603283	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	275624	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	421175	20.000	ng	0.00
76) Chrysene-d12	14.051	240	327188	20.000	ng	0.00
86) Perylene-d12	15.533	264	286832	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	261899	24.309	ng	0.00
7) Phenol-d6	6.498	99	321132	23.014	ng	-0.01
23) Nitrobenzene-d5	7.445	82	189794	17.436	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	51830	20.104	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	341057	20.450	ng	0.00
79) Terphenyl-d14	12.998	244	300484	14.965	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	24695	2.918	ng	# 80
25) Isophorone	7.445	82	188616	9.130	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	36388	9.789	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	36388	7.960	ng	# 21
71) Phenanthrene	11.433	178	45061	2.265	ng	100
75) Fluoranthene	12.621	202	78918	3.924	ng	99
78) Pyrene	12.851	202	113084	3.948	ng	97
81) Benzo(a)anthracene	14.039	228	54553	2.561	ng	# 89
83) Chrysene	14.074	228	50940	2.608	ng	# 95
88) Benzo(b)fluoranthene	15.098	252	62599	3.583	ng	# 86
89) Benzo(k)fluoranthene	15.098	252	62599	4.154	ng	# 86
90) Benzo(a)pyrene	15.462	252	37222	2.589	ng	# 85

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

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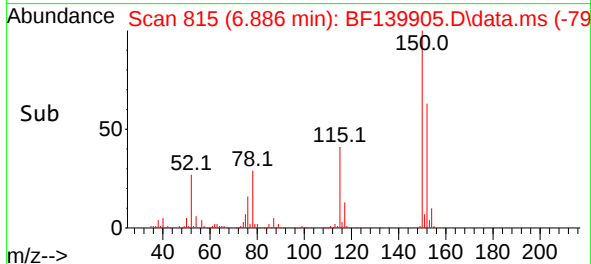
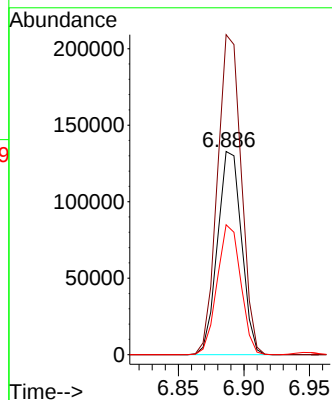
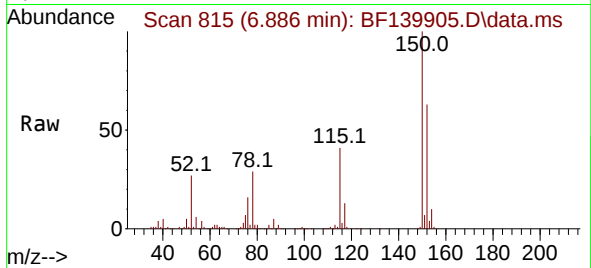




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

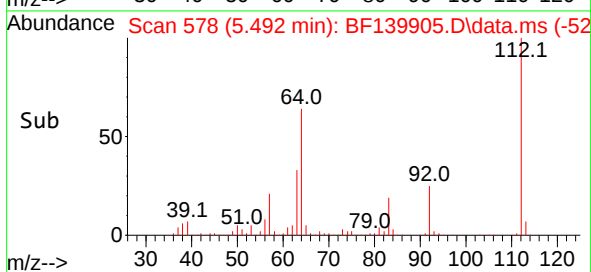
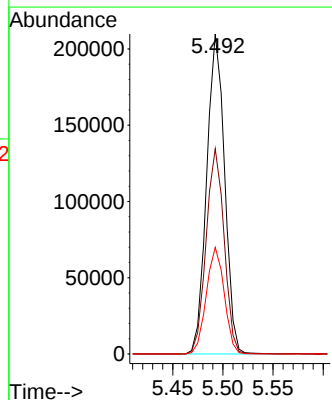
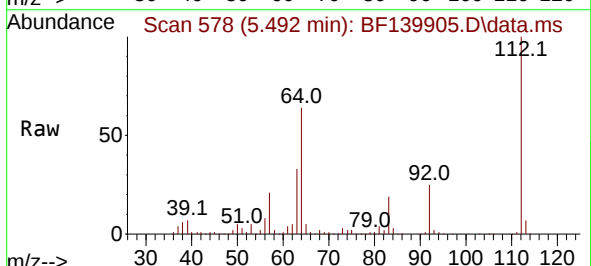
Instrument :
BNA_F
ClientSampleId :
TR-04-101524RE

Tgt Ion:152 Resp: 168660
Ion Ratio Lower Upper
152 100
150 157.5 130.2 195.2
115 64.0 51.4 77.2



#5
2-Fluorophenol
Concen: 24.309 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

Tgt Ion:112 Resp: 261899
Ion Ratio Lower Upper
112 100
64 64.2 53.0 79.6
63 33.3 27.0 40.4

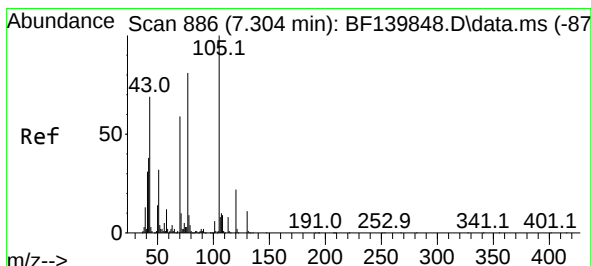
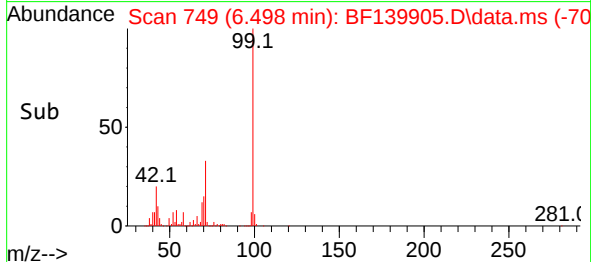
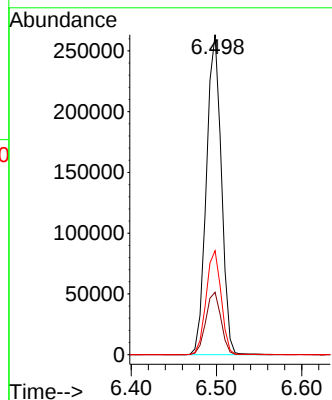
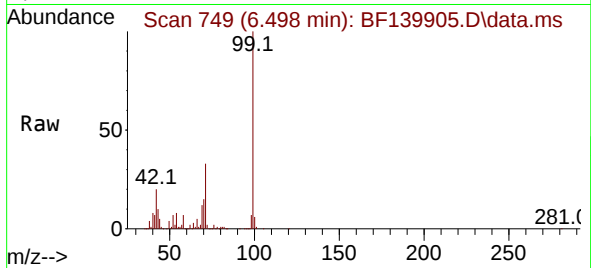




#7
Phenol-d6
Concen: 23.014 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

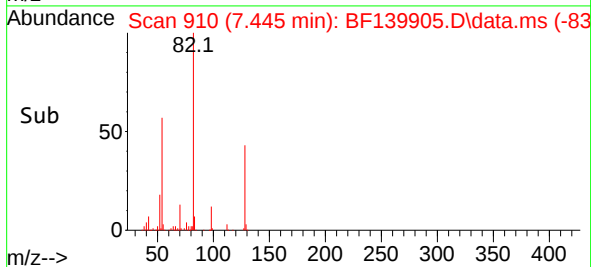
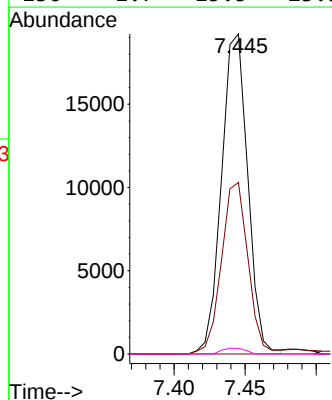
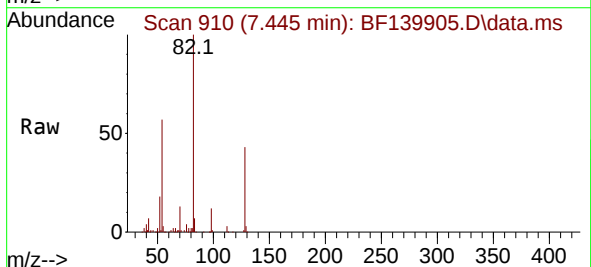
Instrument :
BNA_F
ClientSampleId :
TR-04-101524RE

Tgt Ion: 99 Resp: 321132
Ion Ratio Lower Upper
99 100
42 19.5 16.7 25.1
71 32.5 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.918 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

Tgt Ion: 70 Resp: 24695
Ion Ratio Lower Upper
70 100
42 53.6 51.5 77.3
101 0.0 7.5 11.3#
130 1.7 15.5 23.3#



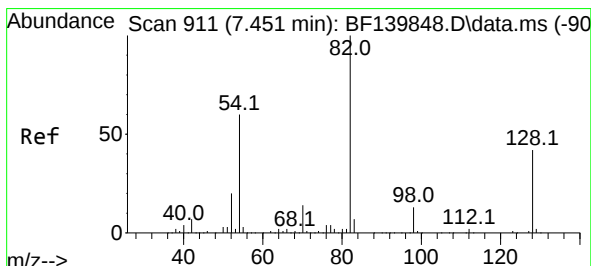
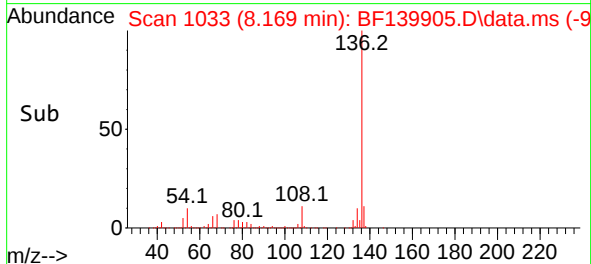
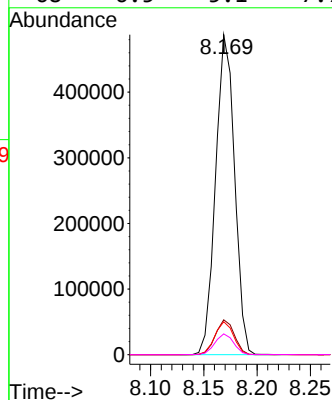
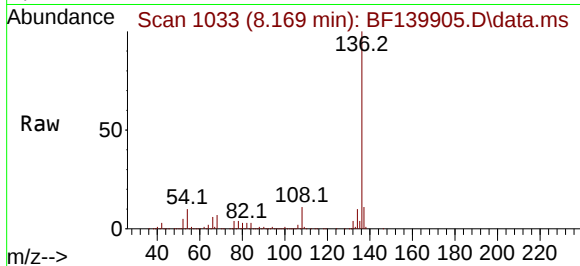


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

Instrument :
BNA_F
ClientSampleId :
TR-04-101524RE

Tgt Ion:136 Resp: 603283

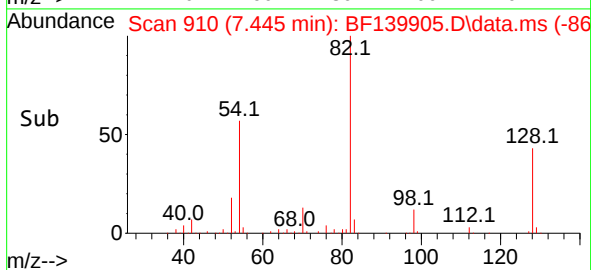
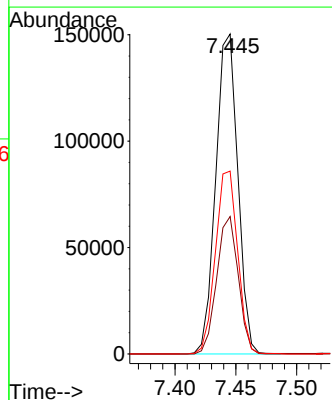
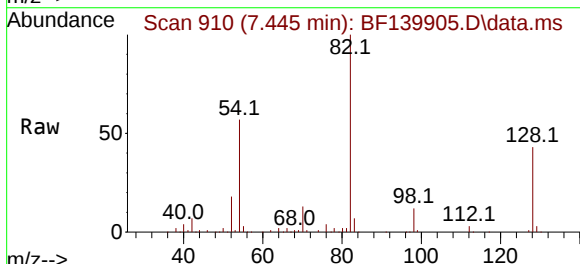
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.3	8.4	12.6
68	6.5	5.1	7.7

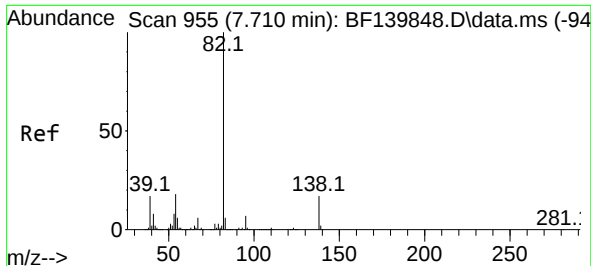


#23
Nitrobenzene-d5
Concen: 17.436 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

Tgt Ion: 82 Resp: 189794

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.4	50.0
54	57.2	47.8	71.8

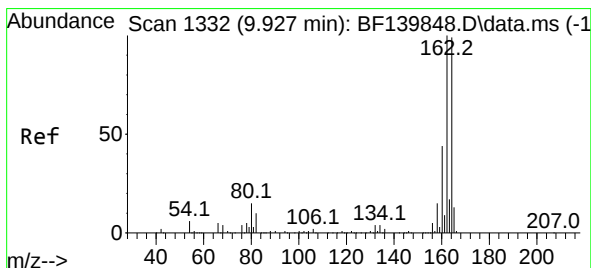
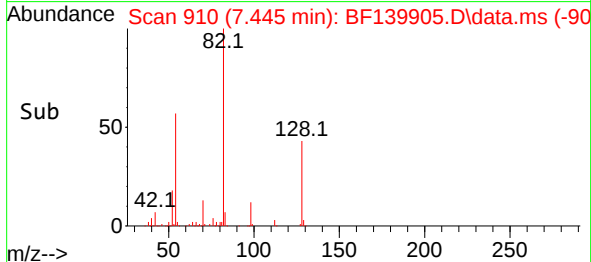
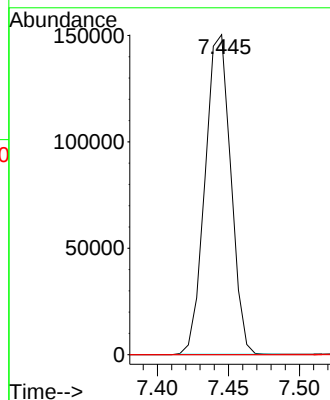
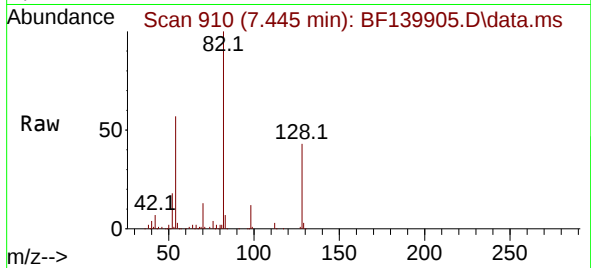




#25
Isophorone
Concen: 9.130 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

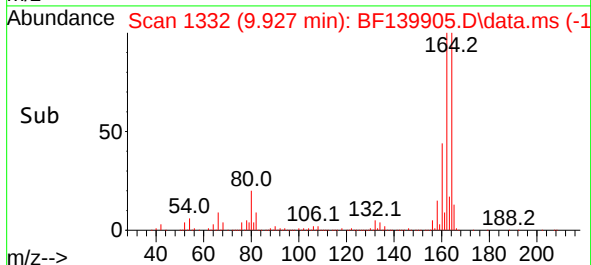
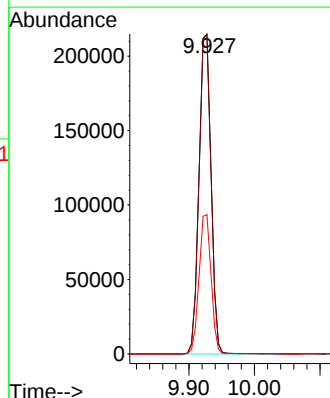
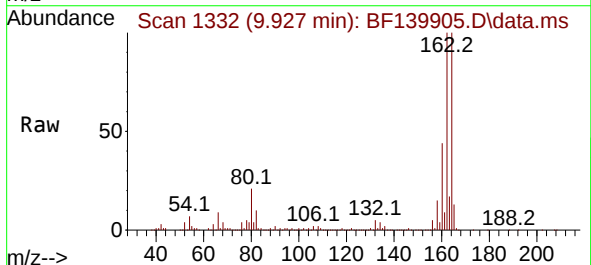
Instrument :
BNA_F
ClientSampleId :
TR-04-101524RE

Tgt Ion: 82 Resp: 188616
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

Tgt Ion: 164 Resp: 275624
Ion Ratio Lower Upper
164 100
162 99.7 81.0 121.4
160 43.5 35.4 53.0

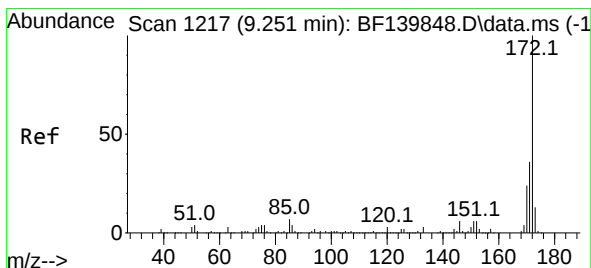
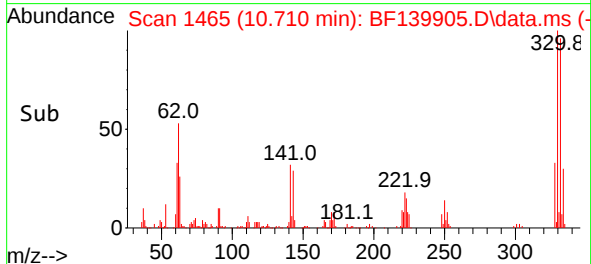
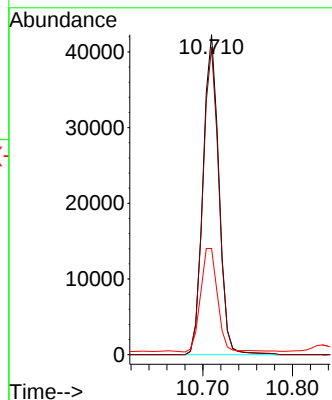
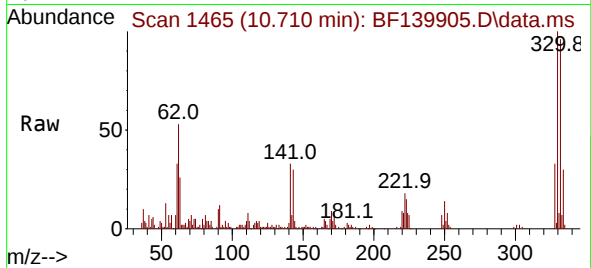




#42
2,4,6-Tribromophenol
Concen: 20.104 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

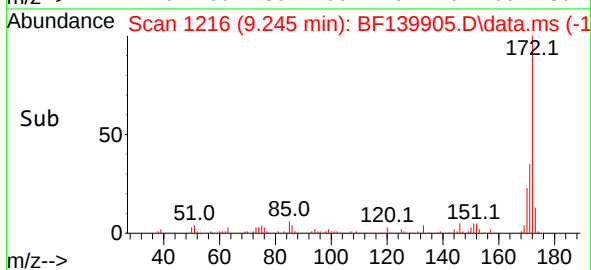
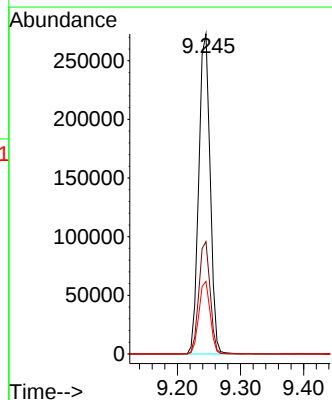
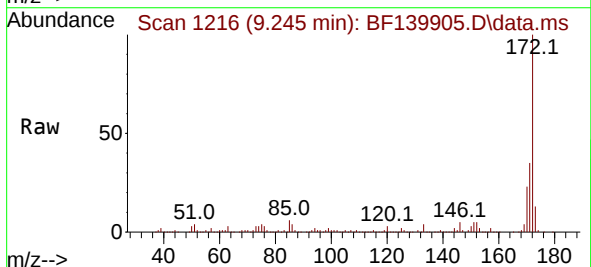
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BNA_F
ClientSampleId :
TR-04-101524RE

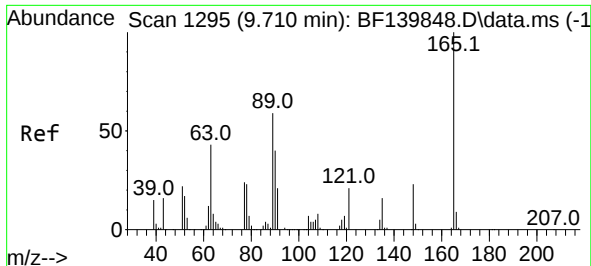
Tgt Ion: 330 Resp: 51830
Ion Ratio Lower Upper
330 100
332 96.6 78.1 117.1
141 34.3 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 20.450 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

Tgt Ion: 172 Resp: 341057
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 22.6 19.1 28.7

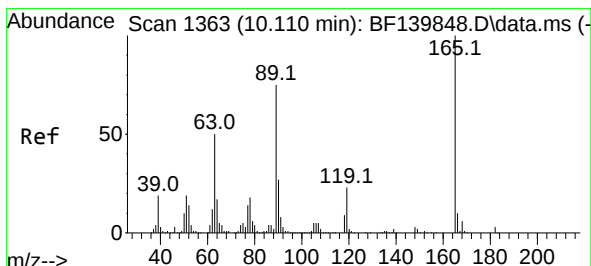
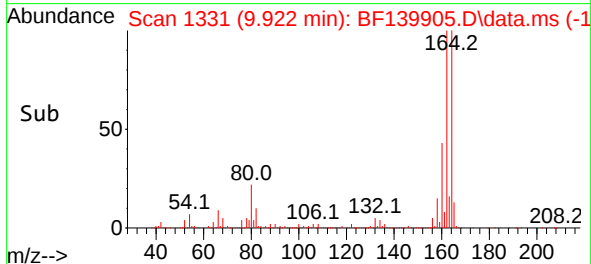
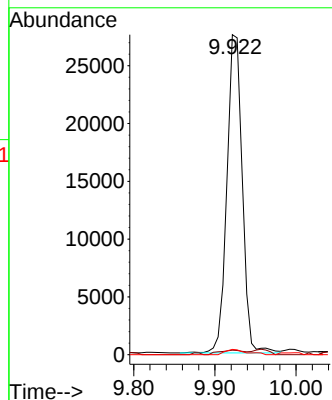
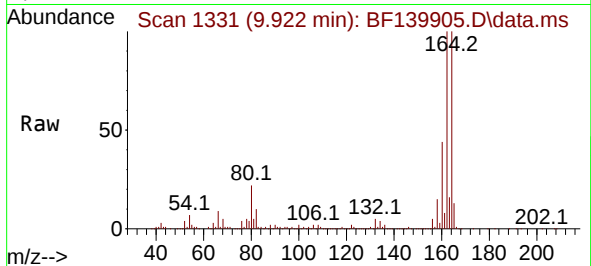




#51
2,6-Dinitrotoluene
Concen: 9.789 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

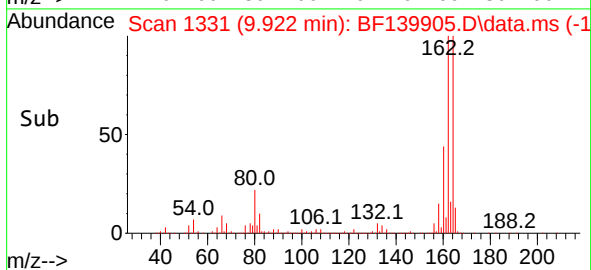
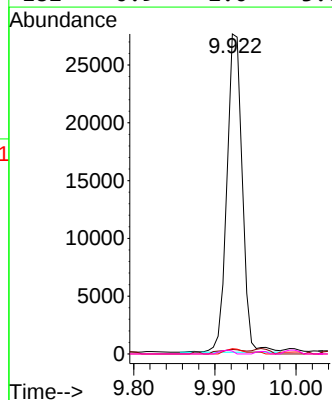
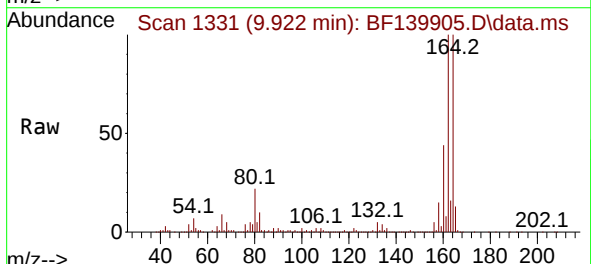
Instrument :
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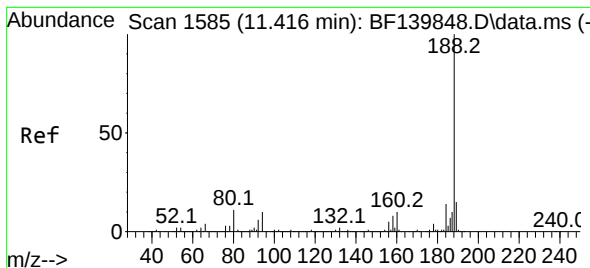
Tgt Ion:165 Resp: 36388
Ion Ratio Lower Upper
165 100
63 1.4 50.6 75.8#
89 1.7 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.960 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

Tgt Ion:165 Resp: 36388
Ion Ratio Lower Upper
165 100
63 1.4 40.1 60.1#
89 1.7 60.4 90.6#
182 0.9 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF139905.D

Acq: 21 Oct 2024 16:12

Instrument :

BNA_F

ClientSampleId :

TR-04-101524RE

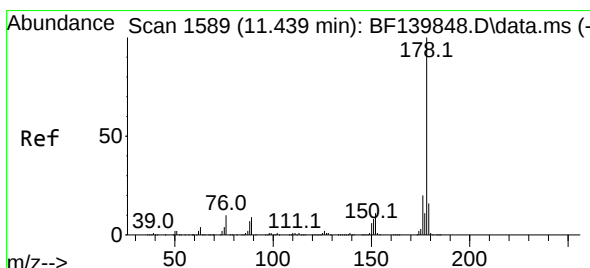
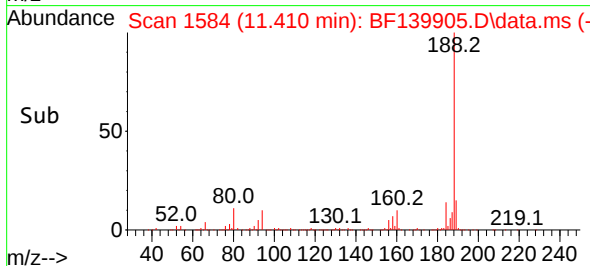
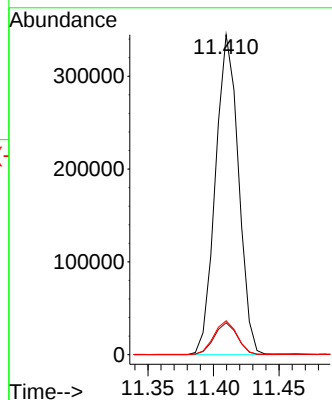
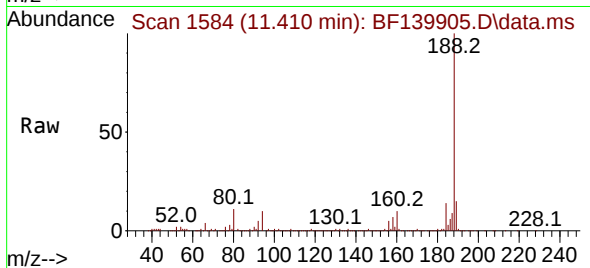
Tgt Ion:188 Resp: 421175

Ion Ratio Lower Upper

188 100

94 10.0 7.9 11.9

80 10.6 9.0 13.4



#71

Phenanthrene

Concen: 2.265 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139905.D

Acq: 21 Oct 2024 16:12

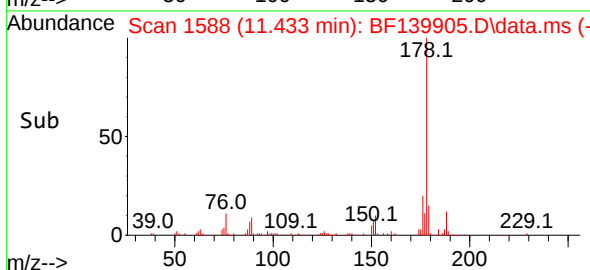
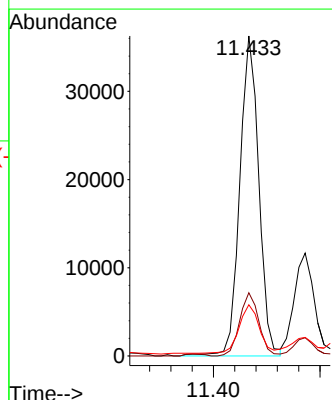
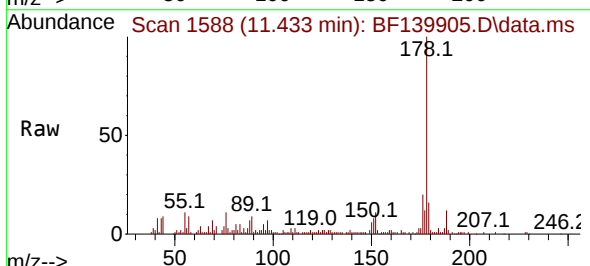
Tgt Ion:178 Resp: 45061

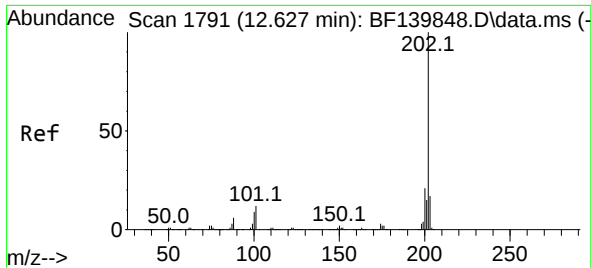
Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

179 16.0 12.6 18.8

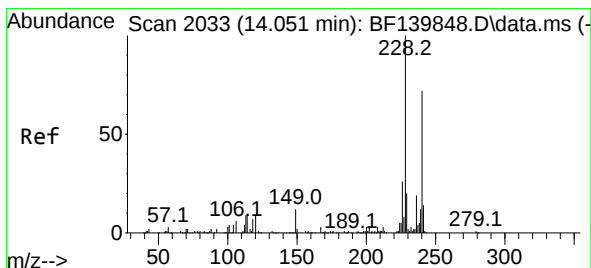
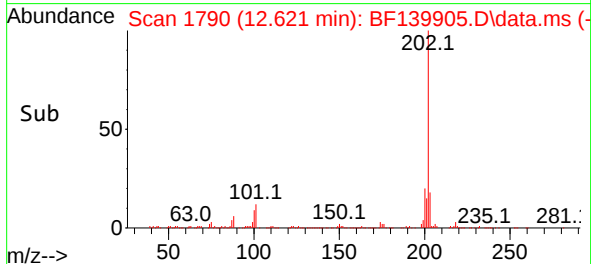
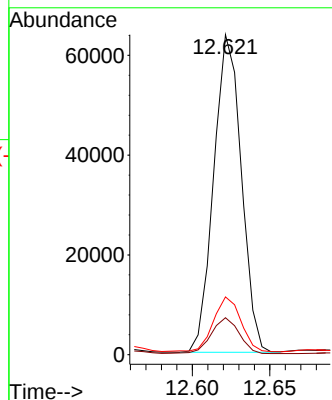
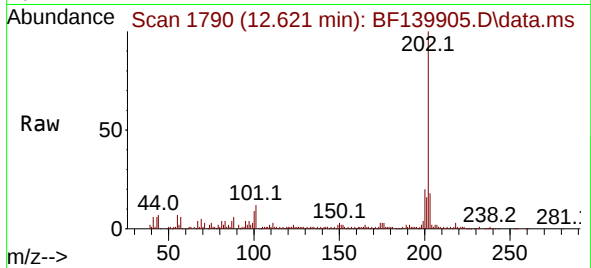




#75
Fluoranthene
Concen: 3.924 ng
RT: 12.621 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

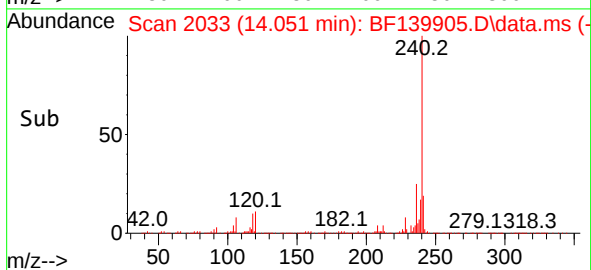
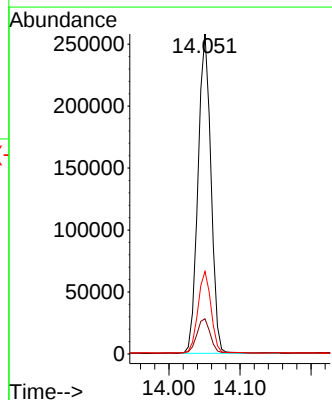
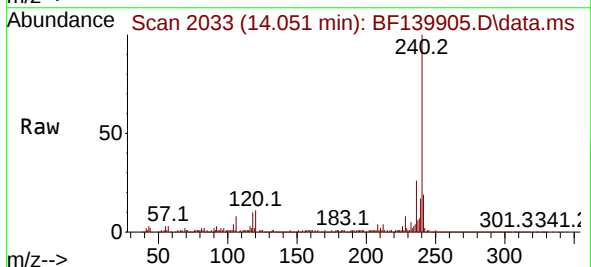
Instrument :
BNA_F
ClientSampleId :
TR-04-101524RE

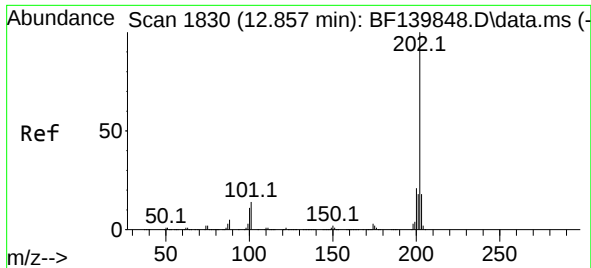
Tgt Ion:202 Resp: 78918
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.9
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

Tgt Ion:240 Resp: 327188
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 25.8 20.9 31.3

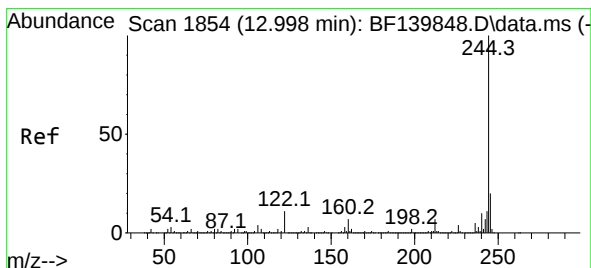
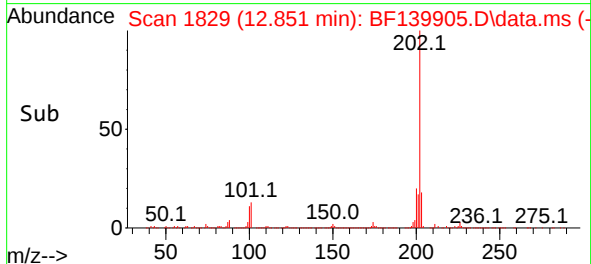
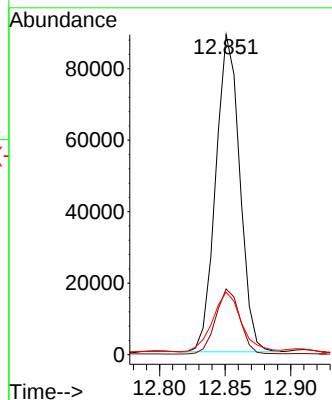
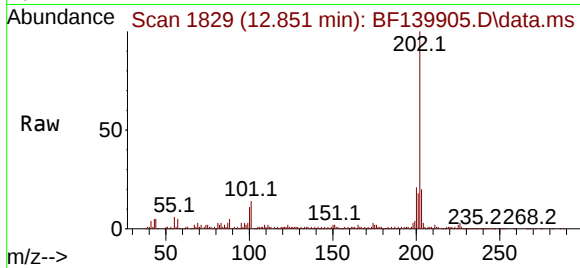




#78
Pyrene
Concen: 3.948 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

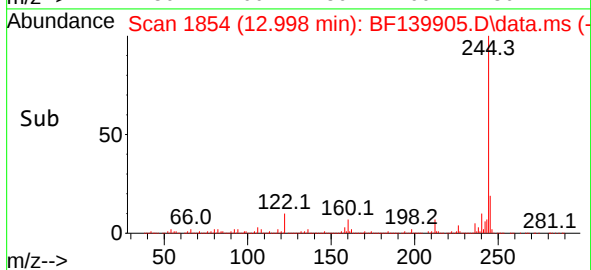
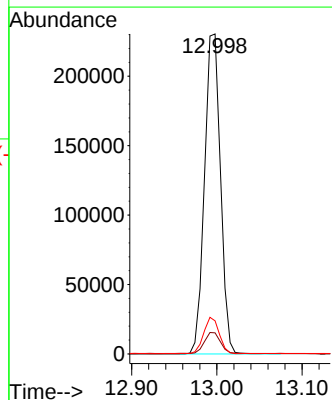
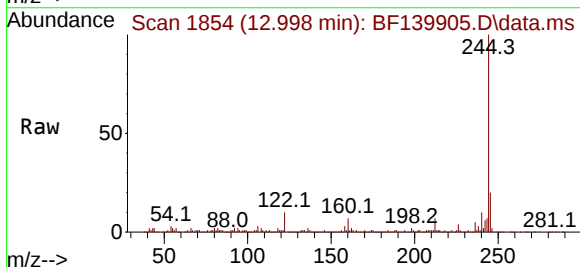
Instrument :
BNA_F
ClientSampleId :
TR-04-101524RE

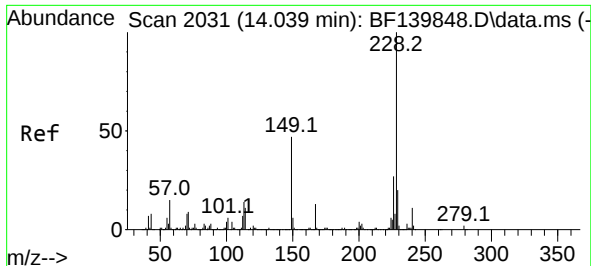
Tgt Ion:202 Resp: 113084
Ion Ratio Lower Upper
202 100
200 20.5 17.2 25.8
203 19.5 14.2 21.4



#79
Terphenyl-d14
Concen: 14.965 ng
RT: 12.998 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

Tgt Ion:244 Resp: 300484
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 10.3 8.6 13.0

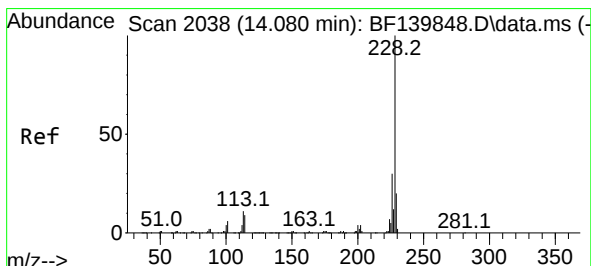
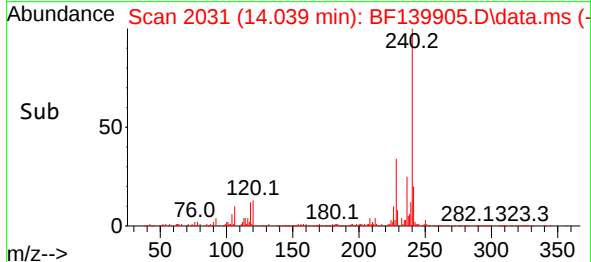
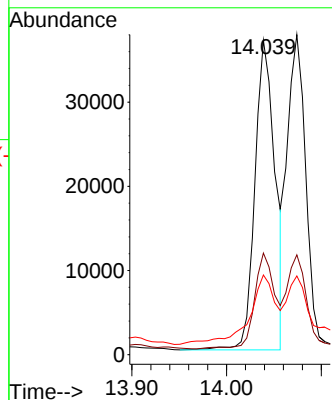
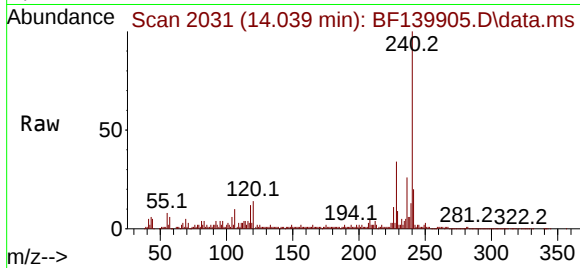




#81
Benzo(a)anthracene
Concen: 2.561 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

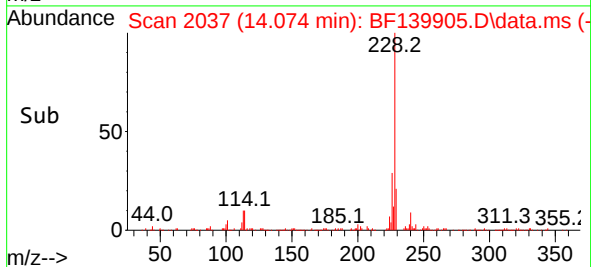
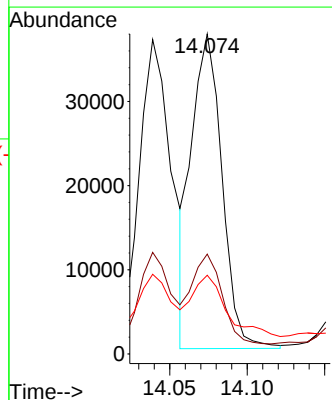
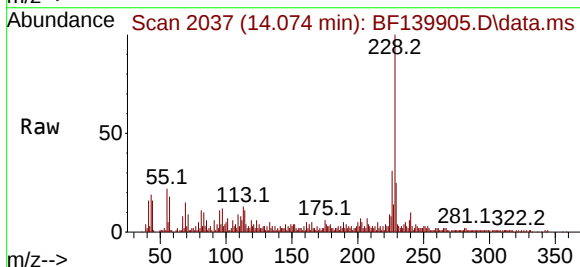
Instrument :
BNA_F
ClientSampleId :
TR-04-101524RE

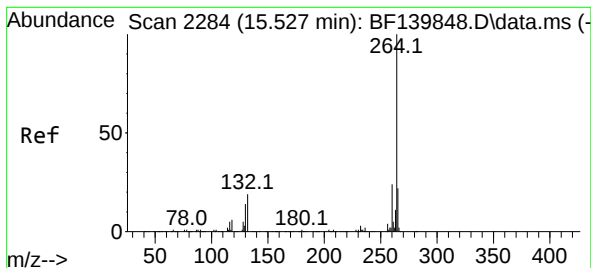
Tgt Ion:228 Resp: 54553
Ion Ratio Lower Upper
228 100
226 32.3 21.6 32.4
229 25.3 16.1 24.1#



#83
Chrysene
Concen: 2.608 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

Tgt Ion:228 Resp: 50940
Ion Ratio Lower Upper
228 100
226 31.2 24.1 36.1
229 24.6 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139905.D

Acq: 21 Oct 2024 16:12

Instrument :

BNA_F

ClientSampleId :

TR-04-101524RE

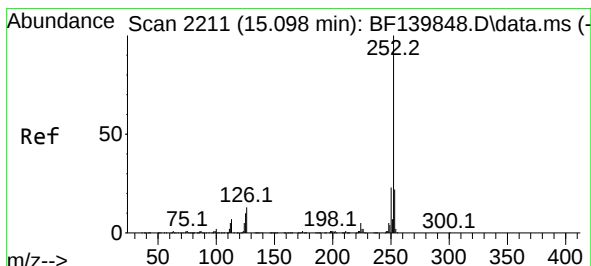
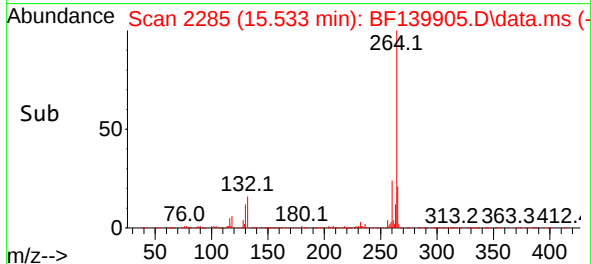
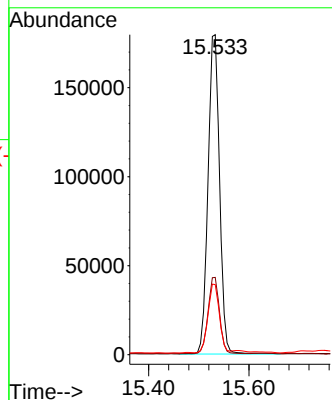
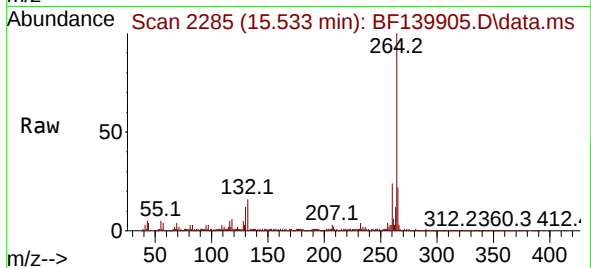
Tgt Ion:264 Resp: 286832

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.9 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 3.583 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF139905.D

Acq: 21 Oct 2024 16:12

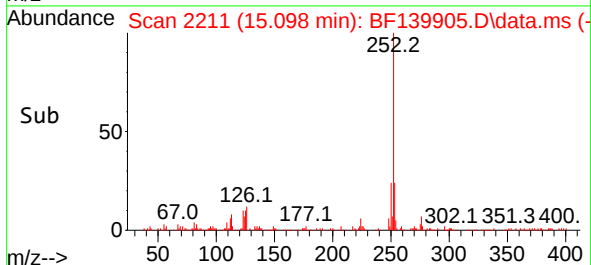
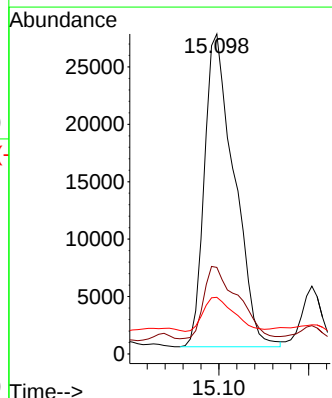
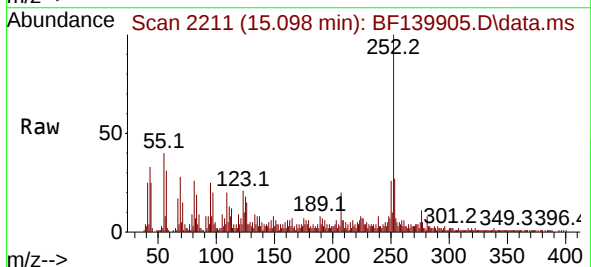
Tgt Ion:252 Resp: 62599

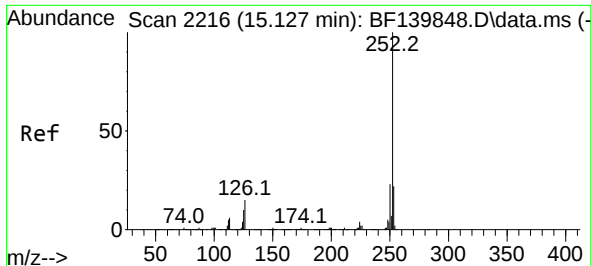
Ion Ratio Lower Upper

252 100

253 27.0 17.6 26.4#

125 17.7 7.9 11.9#

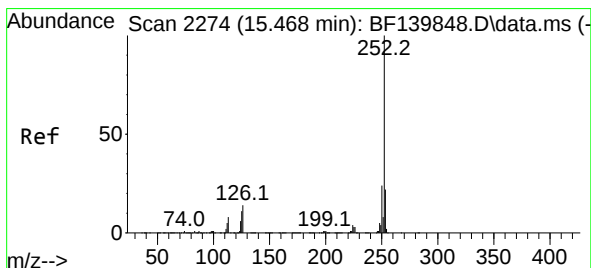
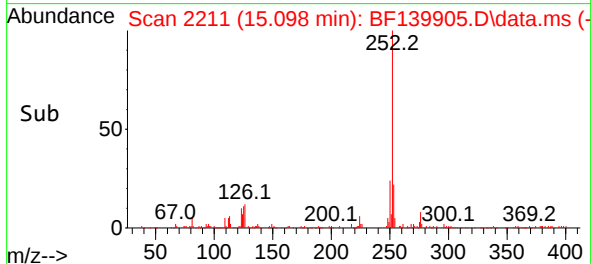
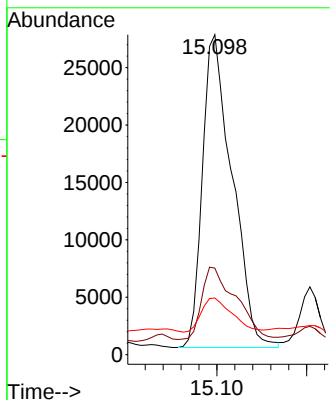
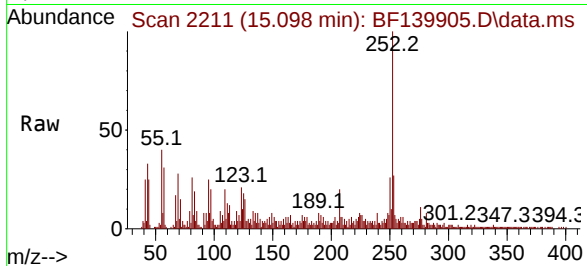




#89
Benzo(k)fluoranthene
Concen: 4.154 ng
RT: 15.098 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

Instrument :
BNA_F
ClientSampleId :
TR-04-101524RE

Tgt Ion:252 Resp: 62599
Ion Ratio Lower Upper
252 100
253 27.0 17.6 26.4#
125 17.7 7.9 11.9#



#90
Benzo(a)pyrene
Concen: 2.589 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF139905.D
Acq: 21 Oct 2024 16:12

Tgt Ion:252 Resp: 37222
Ion Ratio Lower Upper
252 100
253 27.0 17.3 25.9#
125 19.1 8.7 13.1#

