

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140164.D
 Acq On : 30 Oct 2024 18:13
 Operator : RC/JU
 Sample : P4611-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Nov 01 02:17:47 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)

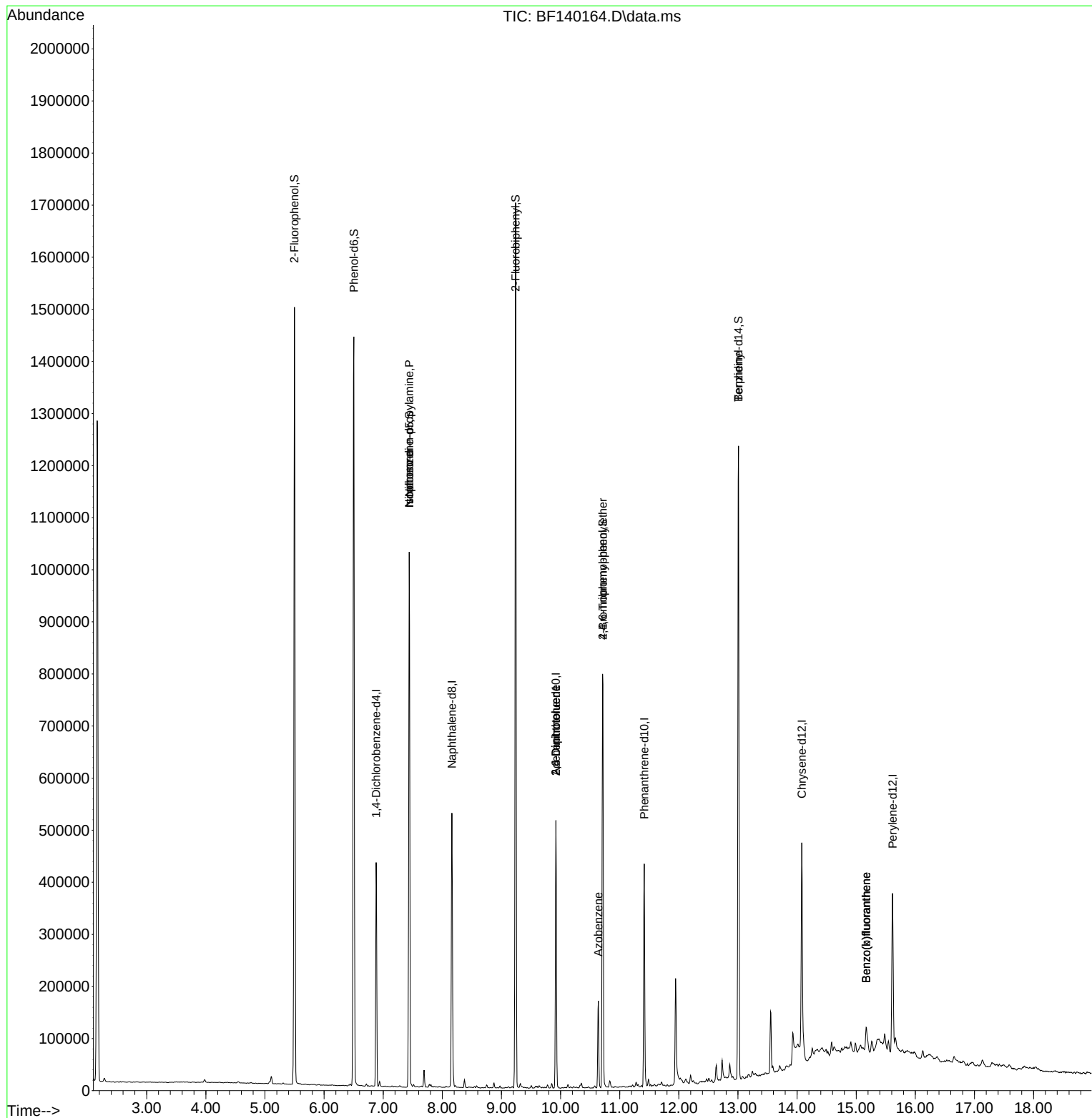
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83292	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	304057	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	145233	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	218616	20.000	ng	0.00
76) Chrysene-d12	14.080	240	180073	20.000	ng	0.03
86) Perylene-d12	15.615	264	183509	20.000	ng	0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	512296	96.287	ng	0.00
7) Phenol-d6	6.504	99	642204	93.196	ng	0.00
23) Nitrobenzene-d5	7.439	82	436683	79.599	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	126390	93.039	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	714243	81.278	ng	-0.01
79) Terphenyl-d14	13.010	244	594150	53.765	ng	0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	60074	14.374	ng	# 78
25) Isophorone	7.439	82	434348	41.714	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	18928	9.664	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	18928	7.858	ng	# 21
63) Azobenzene	10.639	77	41898	4.449	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	8171	3.628	ng	# 1
77) Benzidine	13.010	184	7840	2.648	ng	# 95
88) Benzo(b)fluoranthene	15.168	252	36749	3.287	ng	# 92
89) Benzo(k)fluoranthene	15.168	252	36749	3.812	ng	# 92

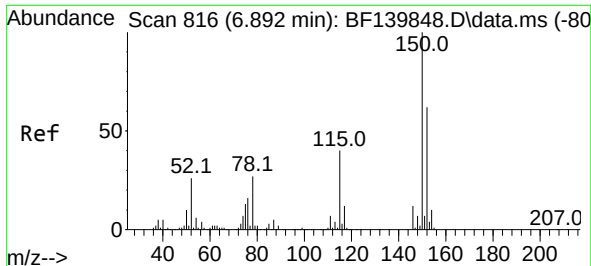
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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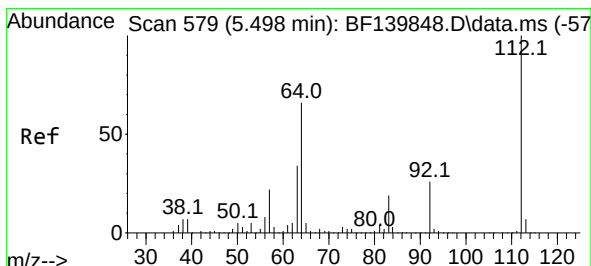
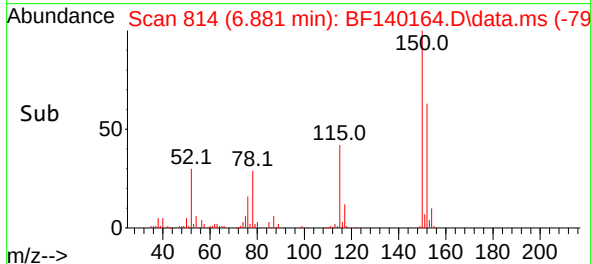
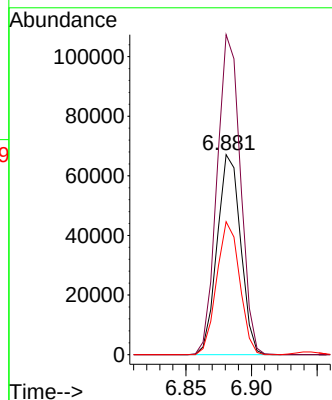
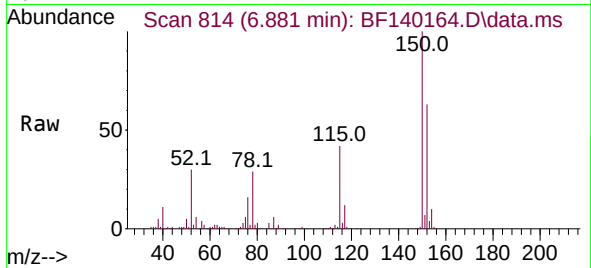




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

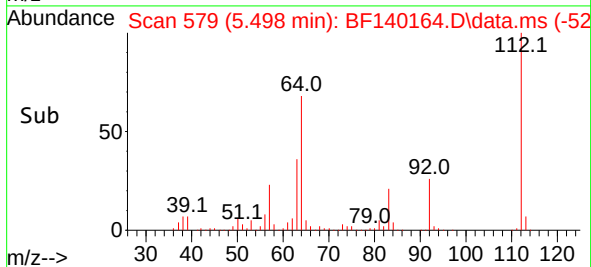
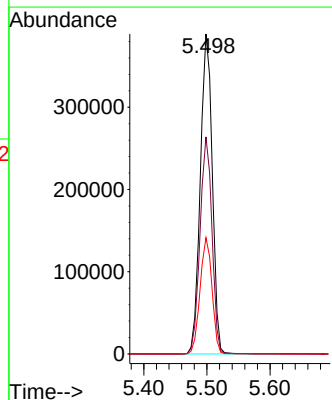
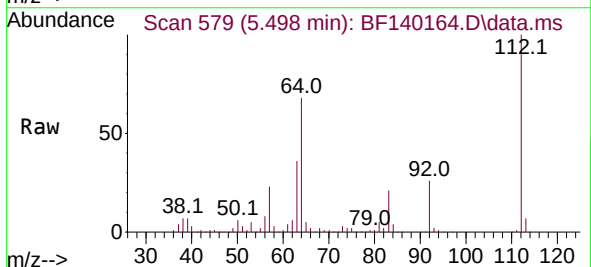
Instrument :
BNA_F
ClientSampleId :
TP-2

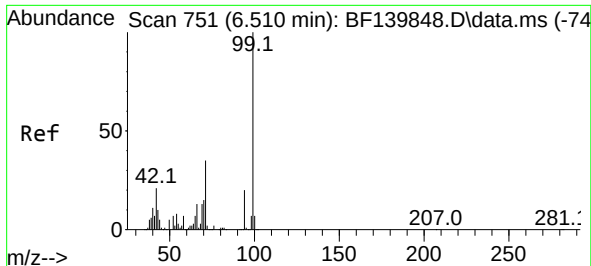
Tgt Ion:152 Resp: 83292
Ion Ratio Lower Upper
152 100
150 160.0 130.2 195.2
115 66.5 51.4 77.2



#5
2-Fluorophenol
Concen: 96.287 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

Tgt Ion:112 Resp: 512296
Ion Ratio Lower Upper
112 100
64 67.8 53.0 79.6
63 36.3 27.0 40.4

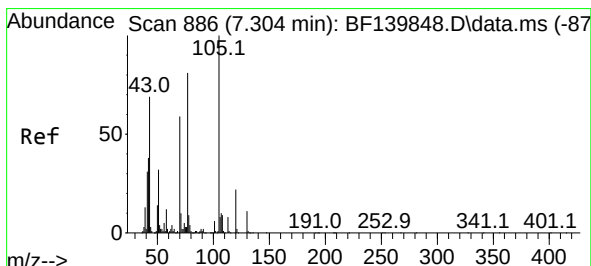
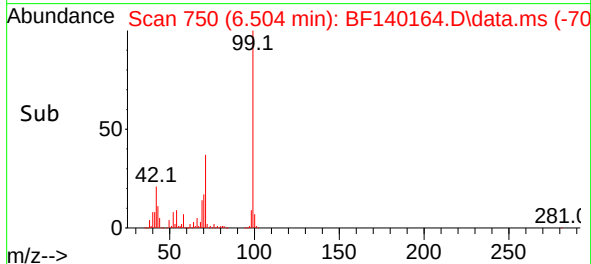
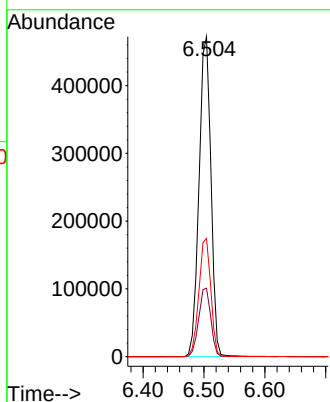
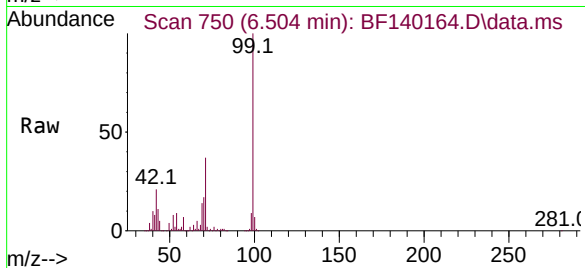




#7
Phenol-d6
Concen: 93.196 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

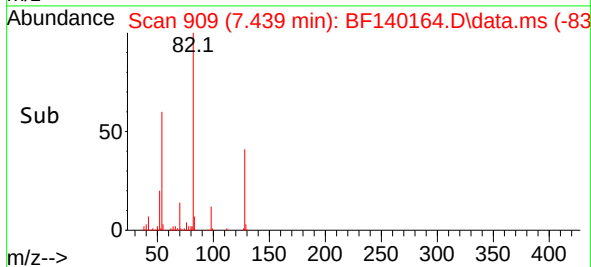
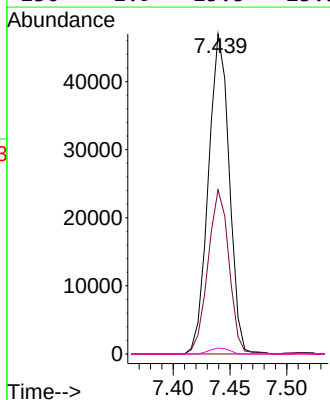
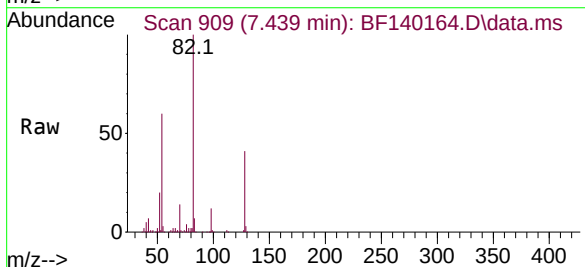
Instrument :
BNA_F
ClientSampleId :
TP-2

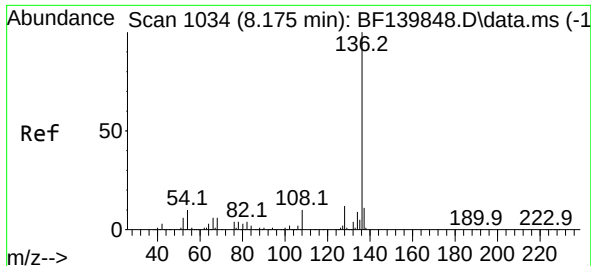
Tgt Ion:	99	Resp:	642204
Ion	Ratio	Lower	Upper
99	100		
42	21.4	16.7	25.1
71	37.0	27.7	41.5



#19
n-Nitroso-di-n-propylamine
Concen: 14.374 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

Tgt Ion:	70	Resp:	60074
Ion	Ratio	Lower	Upper
70	100		
42	51.3	51.5	77.3#
101	0.0	7.5	11.3#
130	1.9	15.5	23.3#

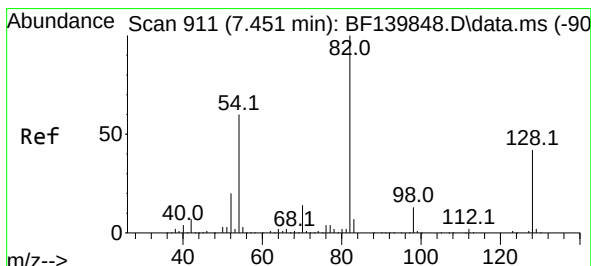
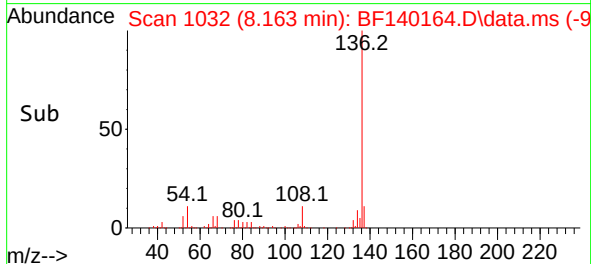
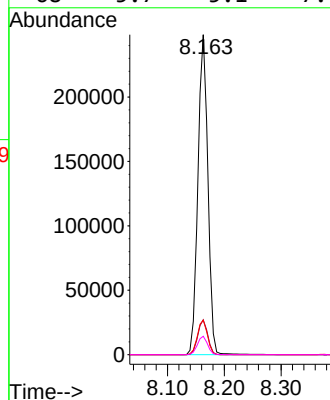
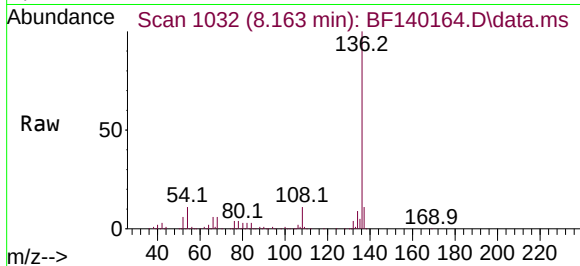




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

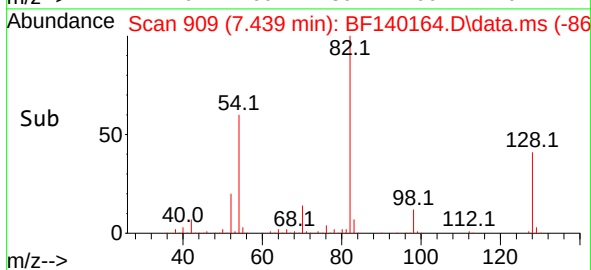
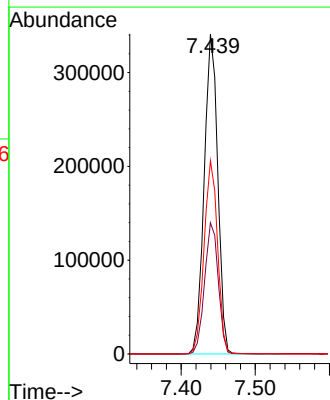
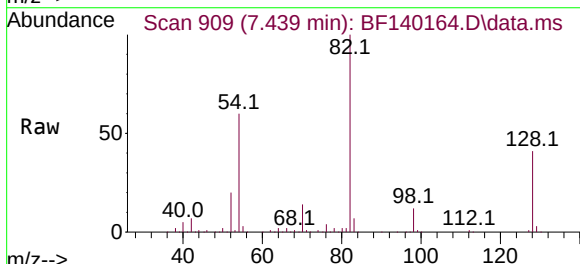
Instrument :
BNA_F
ClientSampleId :
TP-2

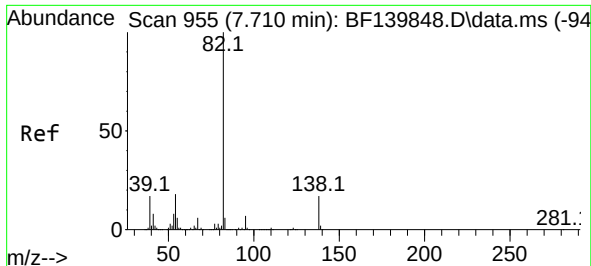
Tgt Ion:136	Resp: 304057
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 12.8
54 10.8	8.4 12.6
68 5.7	5.1 7.7



#23
Nitrobenzene-d5
Concen: 79.599 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

Tgt Ion: 82	Resp: 436683
Ion Ratio	Lower Upper
82 100	
128 41.0	33.4 50.0
54 60.4	47.8 71.8

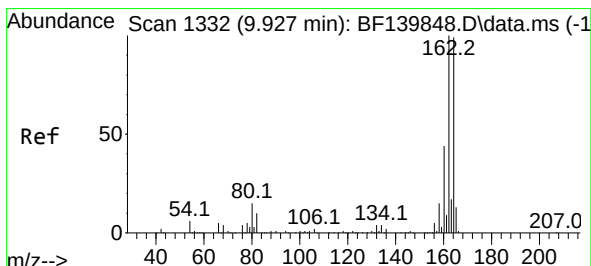
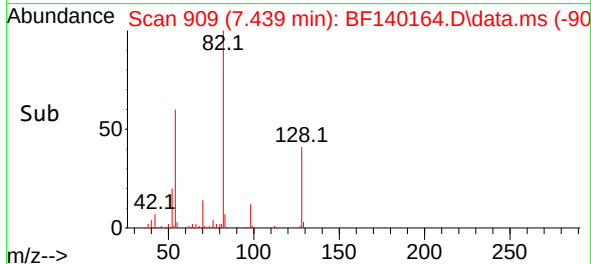
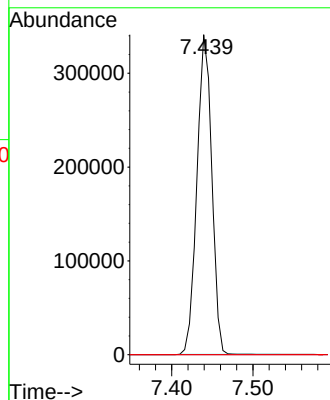
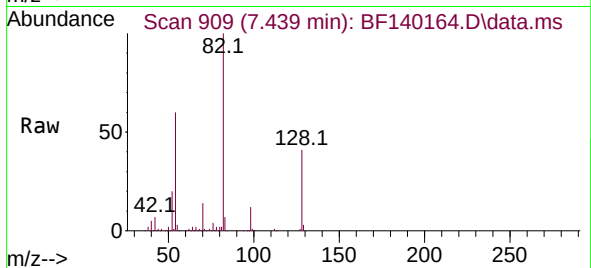




#25
Isophorone
Concen: 41.714 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

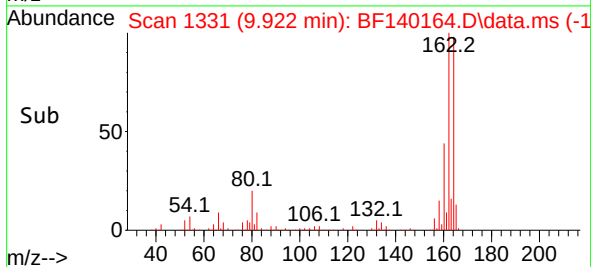
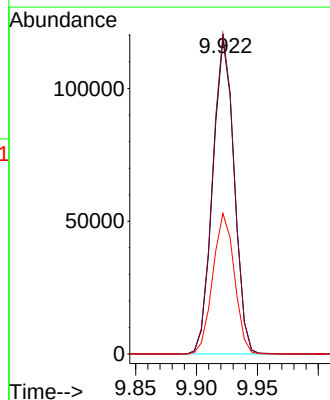
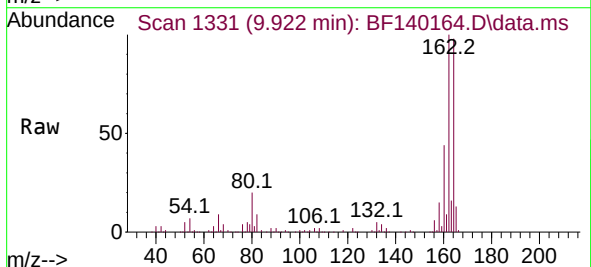
Instrument :
BNA_F
ClientSampleId :
TP-2

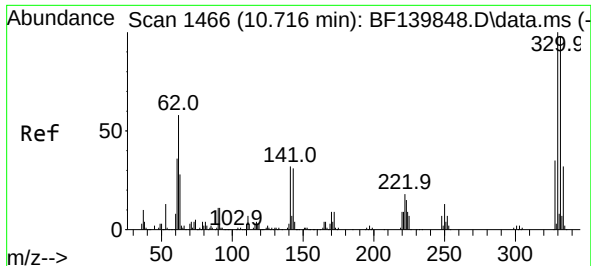
Tgt Ion: 82 Resp: 434348
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

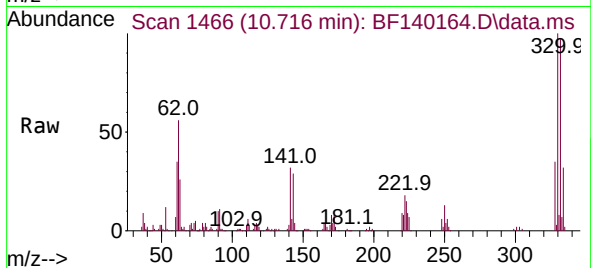
Tgt Ion:164 Resp: 145233
Ion Ratio Lower Upper
164 100
162 101.6 81.0 121.4
160 44.6 35.4 53.0



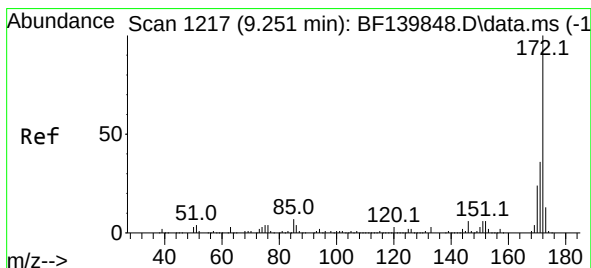
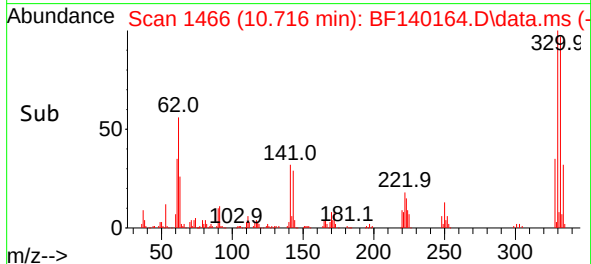
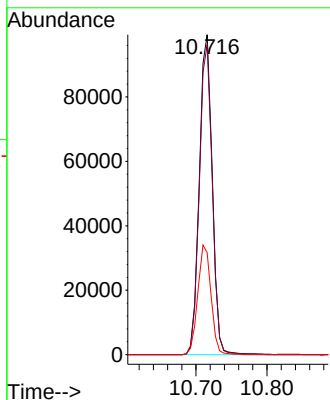


#42
2,4,6-Tribromophenol
Concen: 93.039 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

Instrument :
BNA_F
ClientSampleId :
TP-2

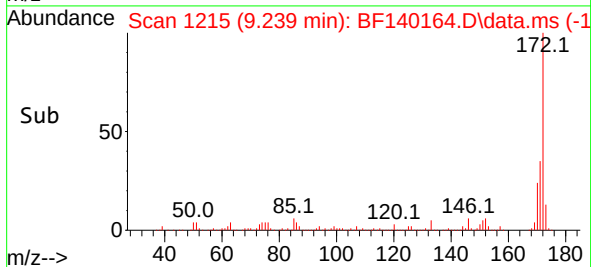
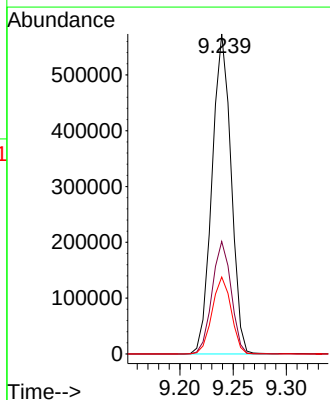
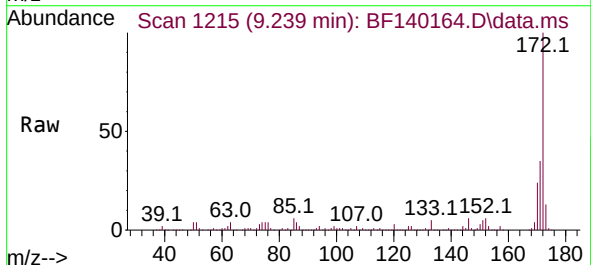


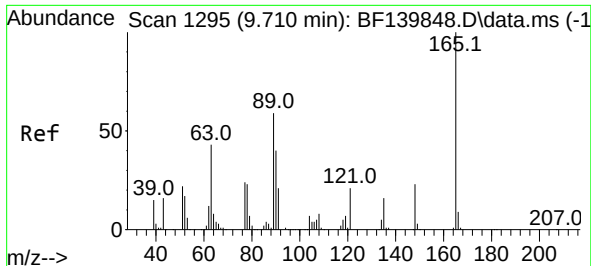
Tgt Ion:330 Resp: 126390
Ion Ratio Lower Upper
330 100
332 96.5 78.1 117.1
141 35.0 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 81.278 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

Tgt Ion:172 Resp: 714243
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 24.1 19.1 28.7

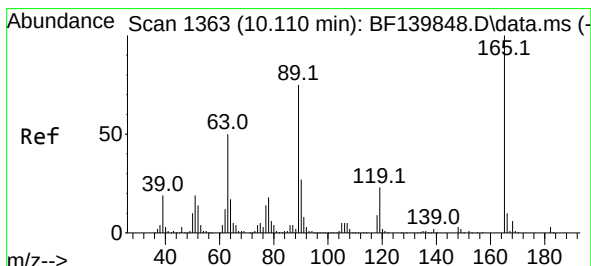
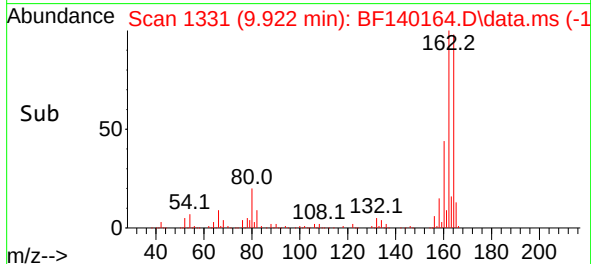
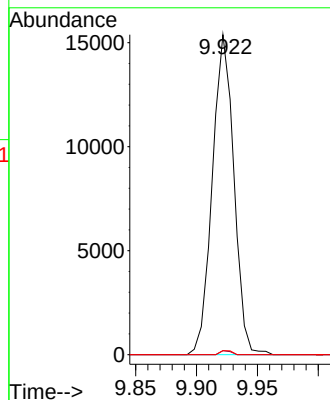
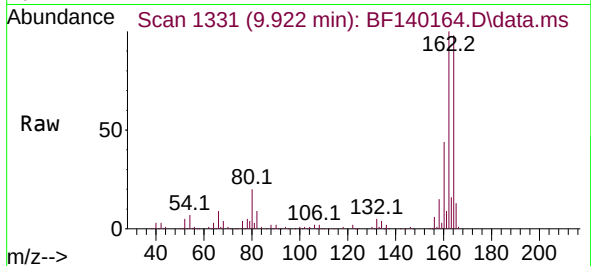




#51
2,6-Dinitrotoluene
Concen: 9.664 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

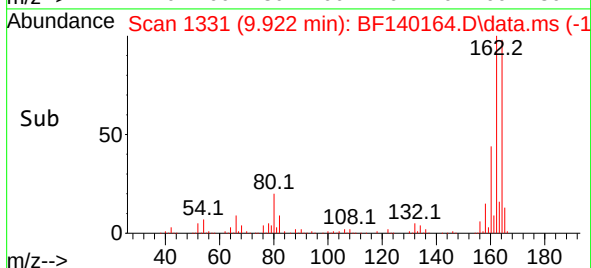
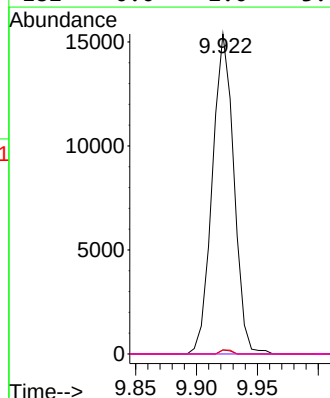
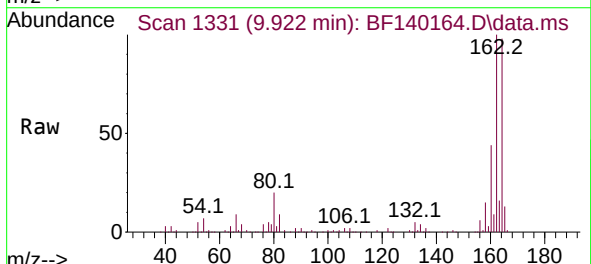
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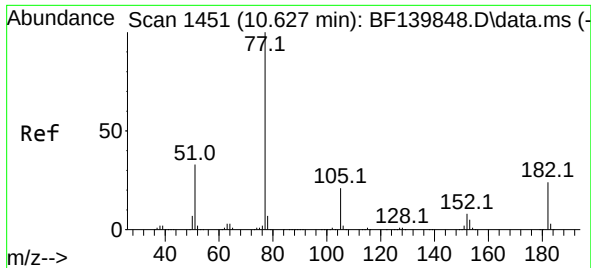
Tgt Ion:165 Resp: 18928
Ion Ratio Lower Upper
165 100
63 1.2 50.6 75.8#
89 1.3 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.858 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

Tgt Ion:165 Resp: 18928
Ion Ratio Lower Upper
165 100
63 1.2 40.1 60.1#
89 1.3 60.4 90.6#
182 0.0 2.0 3.0#

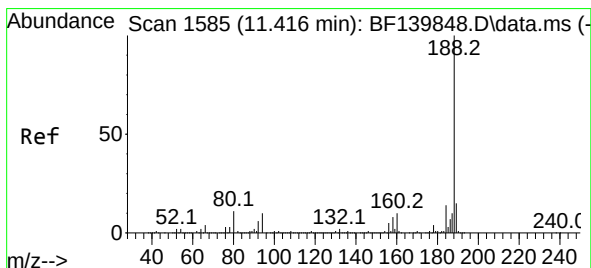
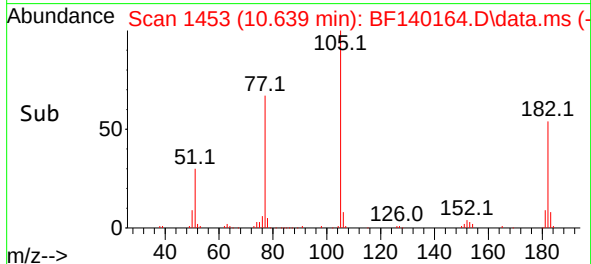
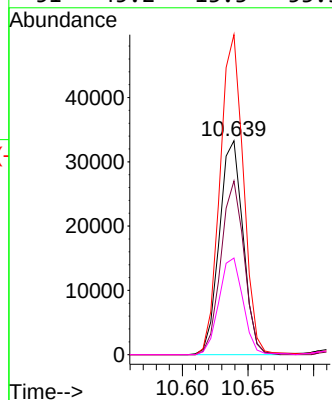
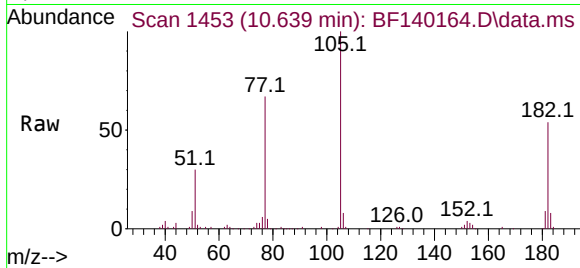




#63
Azobenzene
Concen: 4.449 ng
RT: 10.639 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

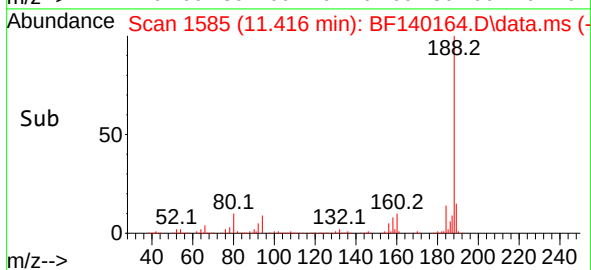
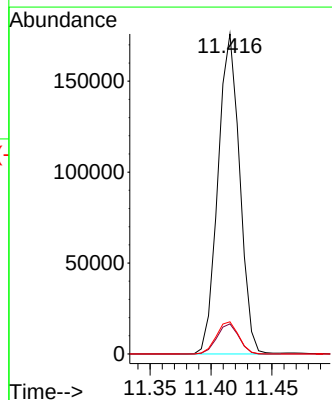
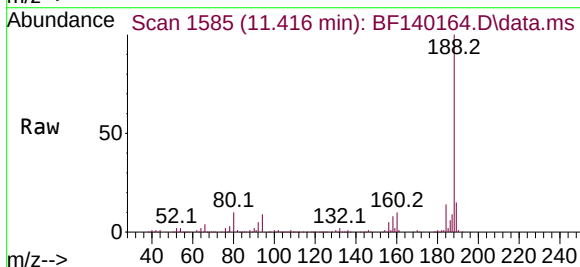
Instrument :
BNA_F
ClientSampleId :
TP-2

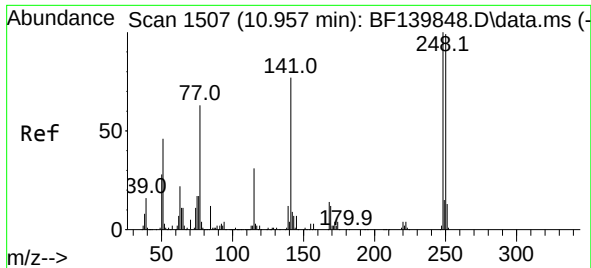
Tgt Ion: 77 Resp: 41898
Ion Ratio Lower Upper
77 100
182 81.3 3.3 43.3#
105 149.6 1.2 41.2#
51 45.2 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

Tgt Ion:188 Resp: 218616
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.1 9.0 13.4

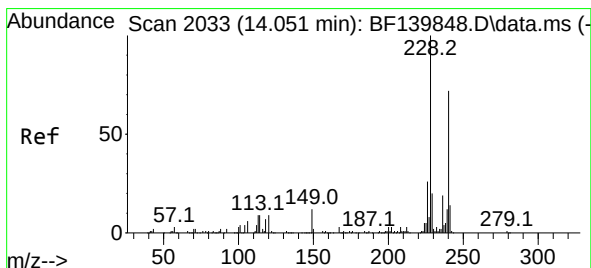
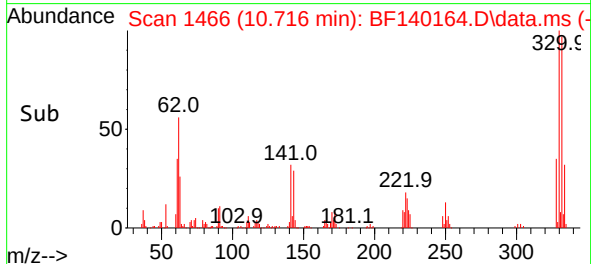
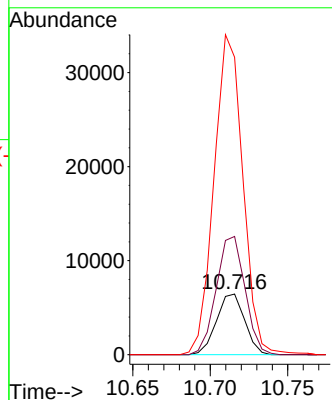
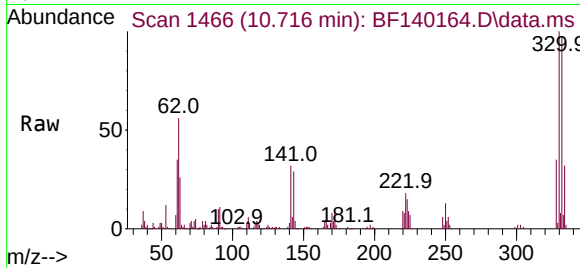




#67
4-Bromophenyl-phenylether
Concen: 3.628 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.241 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

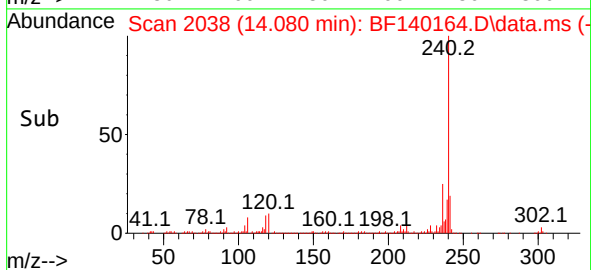
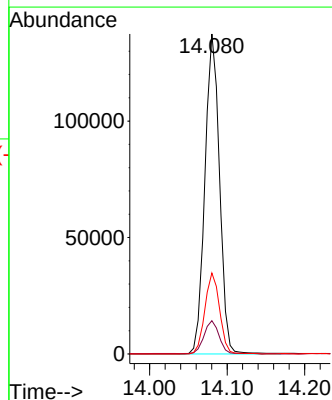
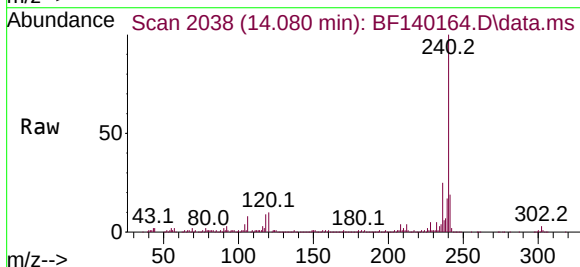
Instrument :
BNA_F
ClientSampleId :
TP-2

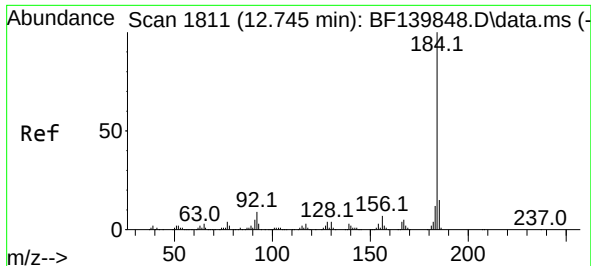
Tgt Ion:248 Resp: 8171
Ion Ratio Lower Upper
248 100
250 194.9 79.0 118.6#
141 490.3 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.029 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

Tgt Ion:240 Resp: 180073
Ion Ratio Lower Upper
240 100
120 10.4 9.4 14.2
236 25.3 20.9 31.3

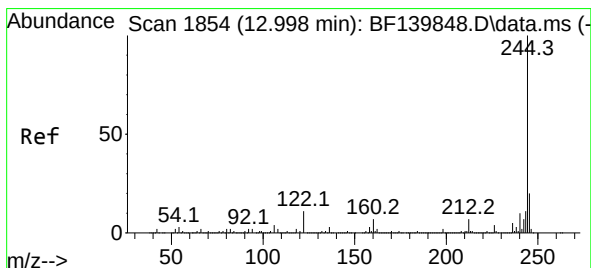
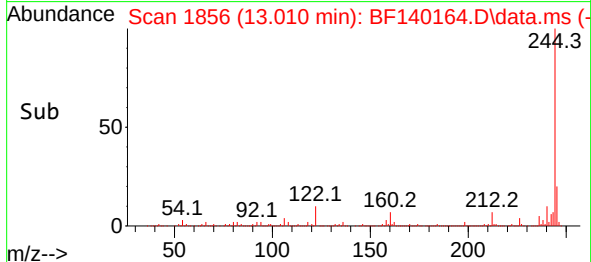
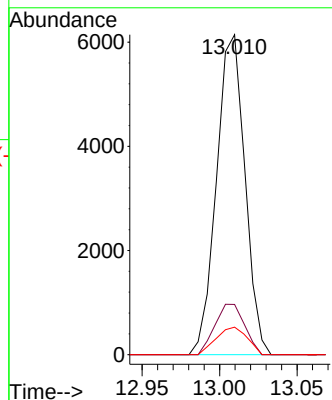
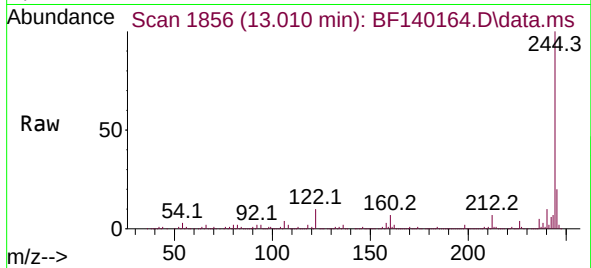




#77
Benzidine
Concen: 2.648 ng
RT: 13.010 min Scan# 1856
Delta R.T. 0.265 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

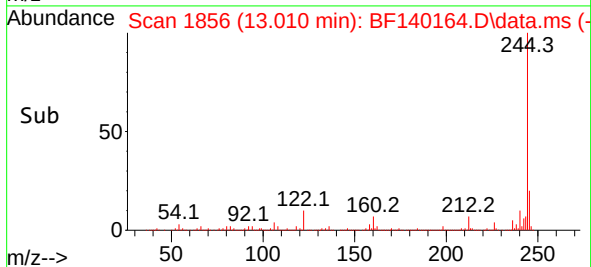
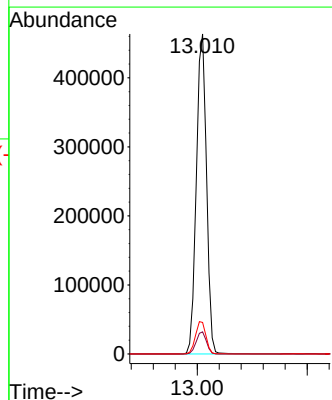
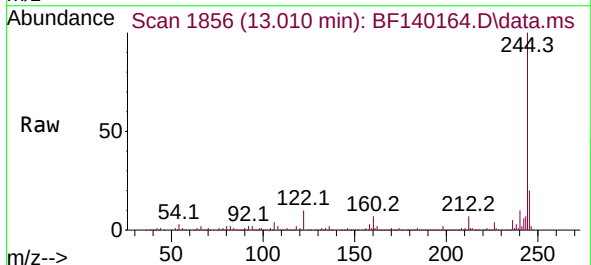
Instrument :
BNA_F
ClientSampleId :
TP-2

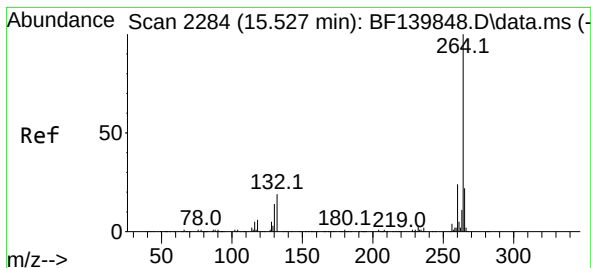
Tgt Ion:184 Resp: 7840
Ion Ratio Lower Upper
184 100
185 15.7 12.0 18.0
183 8.6 9.4 14.2#



#79
Terphenyl-d14
Concen: 53.765 ng
RT: 13.010 min Scan# 1856
Delta R.T. 0.012 min
Lab File: BF140164.D
Acq: 30 Oct 2024 18:13

Tgt Ion:244 Resp: 594150
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 9.9 8.6 13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.615 min Scan# 21

Delta R.T. 0.088 min

Lab File: BF140164.D

Acq: 30 Oct 2024 18:13

Instrument :

BNA_F

ClientSampleId :

TP-2

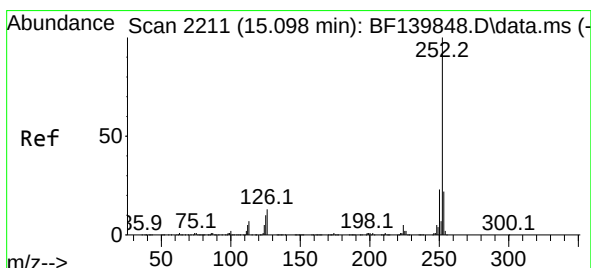
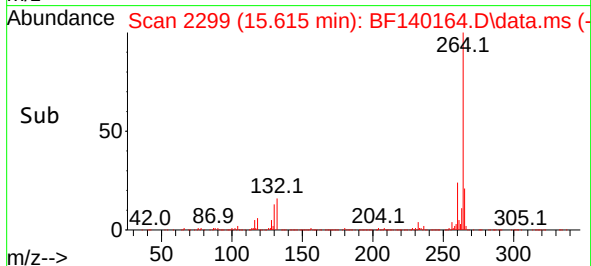
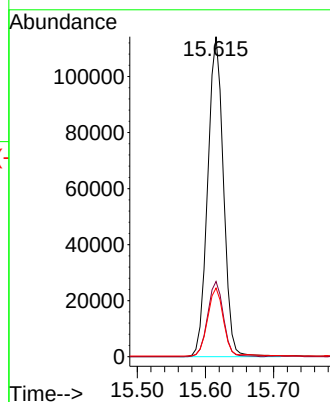
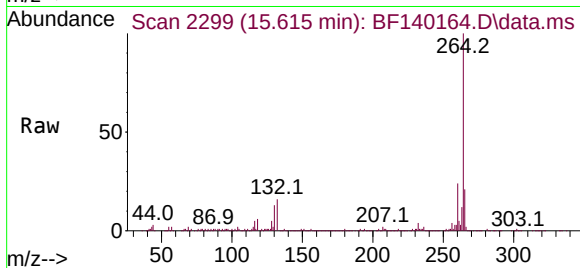
Tgt Ion:264 Resp: 183509

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 21.5 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 3.287 ng

RT: 15.168 min Scan# 2223

Delta R.T. 0.071 min

Lab File: BF140164.D

Acq: 30 Oct 2024 18:13

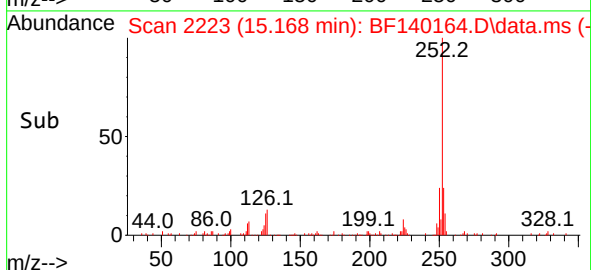
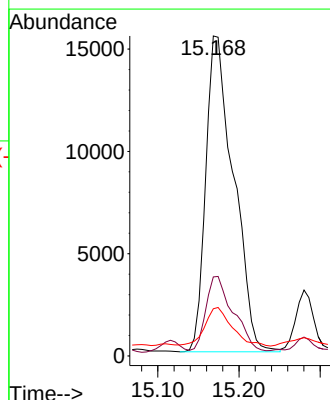
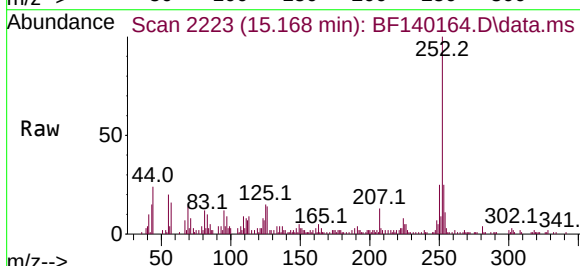
Tgt Ion:252 Resp: 36749

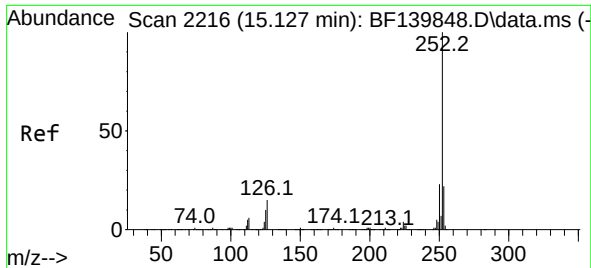
Ion Ratio Lower Upper

252 100

253 24.7 17.6 26.4

125 14.8 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 3.812 ng

RT: 15.168 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF140164.D

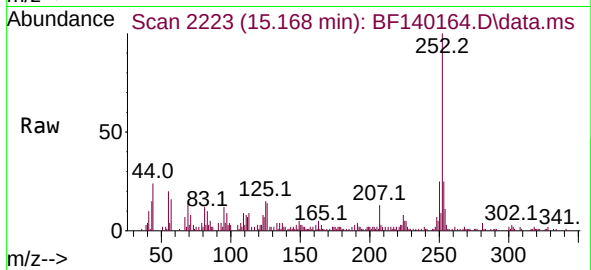
Acq: 30 Oct 2024 18:13

Instrument :

BNA_F

ClientSampleId :

TP-2



Tgt Ion:252 Resp: 36749

Ion Ratio Lower Upper

252 100

253 24.7 17.6 26.4

125 14.8 7.9 11.9#

