

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140511.D
 Acq On : 20 Nov 2024 20:28
 Operator : RC/JU
 Sample : P4909-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-111824

Quant Time: Nov 21 00:08:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

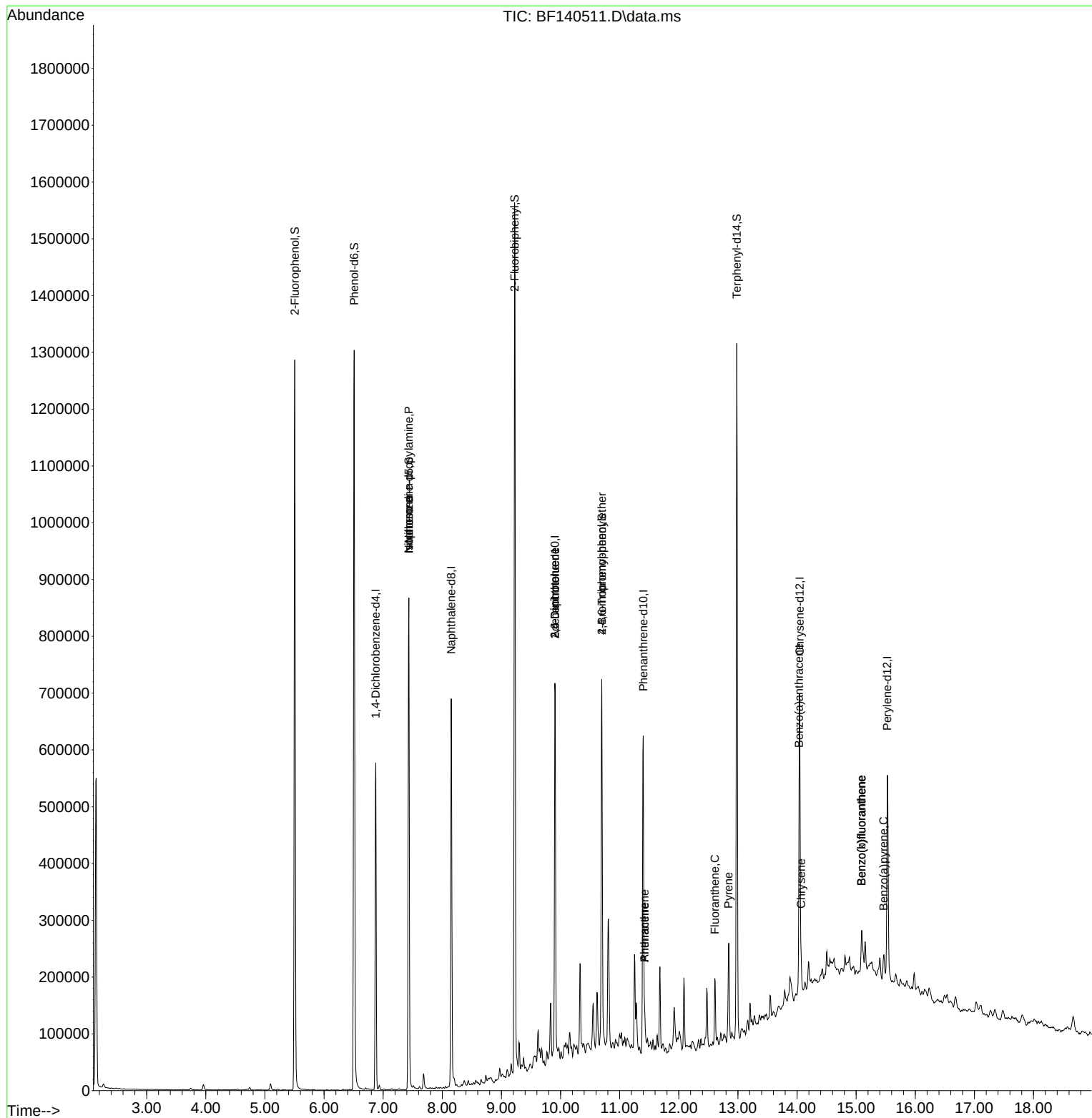
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	122993	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	442750	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	208473	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	311174	20.000	ng	0.00
76) Chrysene-d12	14.045	240	243298	20.000	ng	0.00
86) Perylene-d12	15.527	264	202545	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	485573	67.407	ng	0.01
7) Phenol-d6	6.510	99	621125	63.642	ng	0.00
23) Nitrobenzene-d5	7.434	82	405944	47.771	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	114952	55.449	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	720842	55.585	ng	-0.01
79) Terphenyl-d14	12.980	244	594188	42.392	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.434	70	53393	9.058	ng	# 77
25) Isophorone	7.434	82	401257	26.643	ng	# 67
51) 2,6-Dinitrotoluene	9.904	165	27293	8.810	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	27293	6.694	ng	# 21
67) 4-Bromophenyl-phenylether	10.698	248	7251	2.331	ng	# 1
71) Phenanthrene	11.422	178	29735	2.034	ng	99
72) Anthracene	11.422	178	29735	2.076	ng	100
75) Fluoranthene	12.610	202	71065	4.333	ng	99
78) Pyrene	12.839	202	71768	3.449	ng	98
81) Benzo(a)anthracene	14.033	228	38395	2.401	ng	# 92
83) Chrysene	14.069	228	35901	2.461	ng	96
88) Benzo(b)fluoranthene	15.092	252	61310	4.627	ng	# 91
89) Benzo(k)fluoranthene	15.092	252	61310	5.664	ng	# 90
90) Benzo(a)pyrene	15.463	252	24733	2.404	ng	# 87

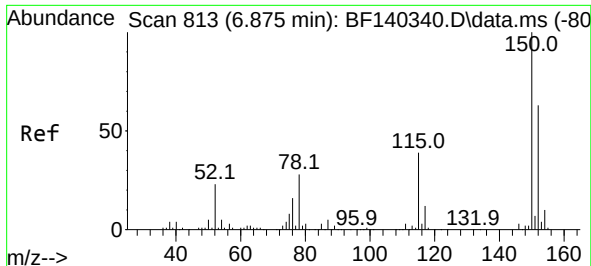
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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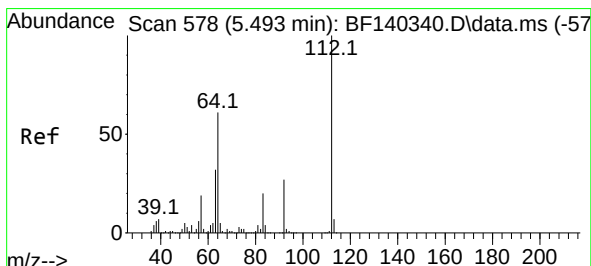
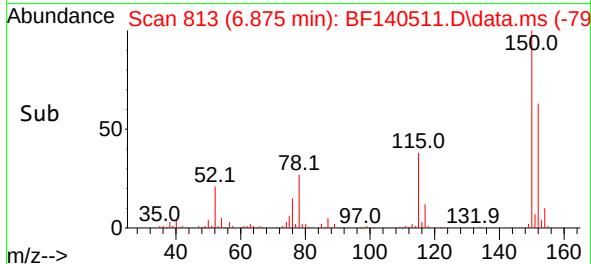
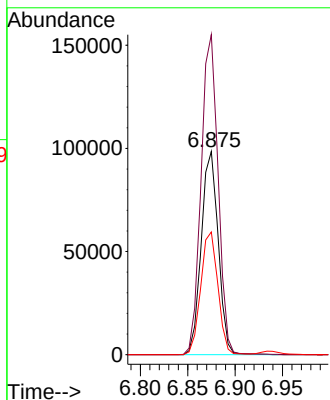
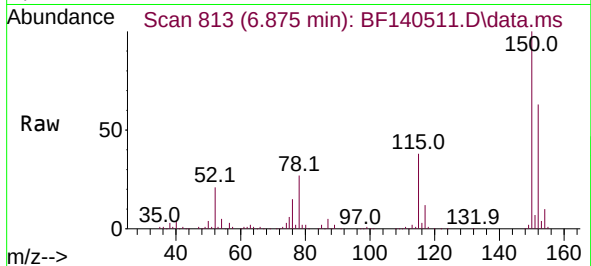




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

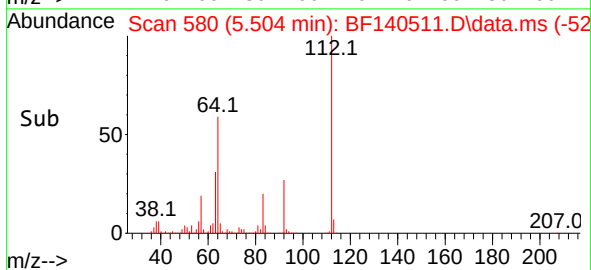
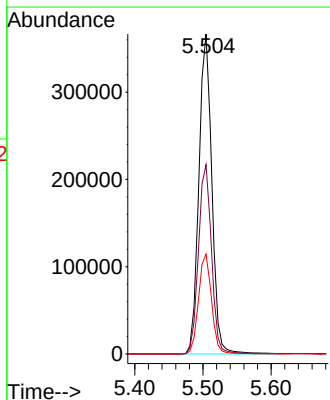
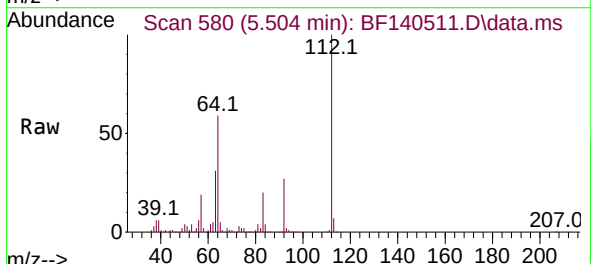
Instrument :
BNA_F
ClientSampleId :
BU-02-111824

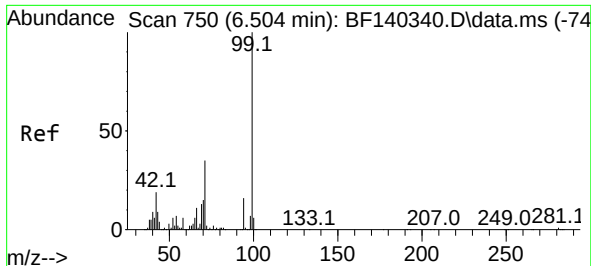
Tgt Ion:152 Resp: 122993
Ion Ratio Lower Upper
152 100
150 157.5 127.4 191.0
115 60.5 47.4 71.2



#5
2-Fluorophenol
Concen: 67.407 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

Tgt Ion:112 Resp: 485573
Ion Ratio Lower Upper
112 100
64 59.1 49.2 73.8
63 31.2 25.6 38.4

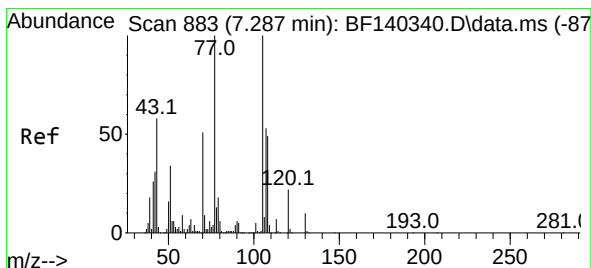
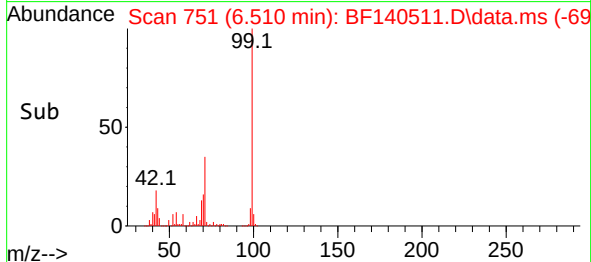
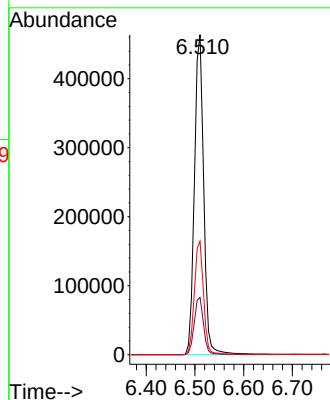
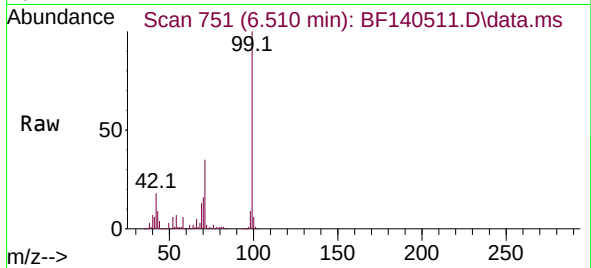




#7
Phenol-d6
Concen: 63.642 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

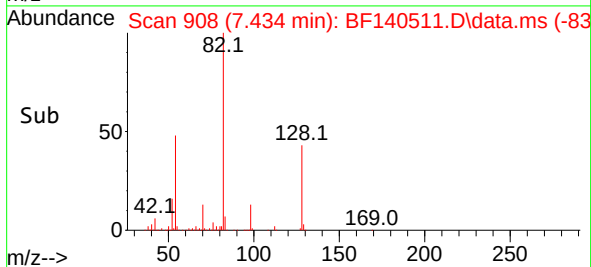
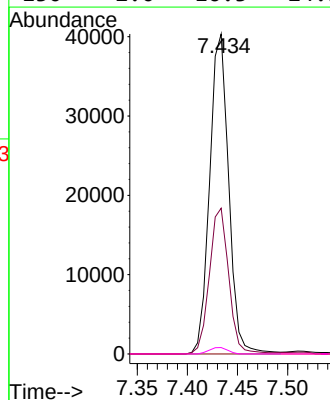
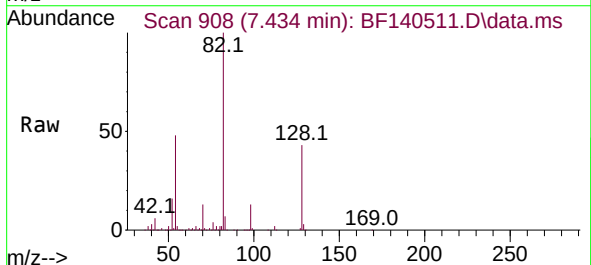
Instrument :
BNA_F
ClientSampleId :
BU-02-111824

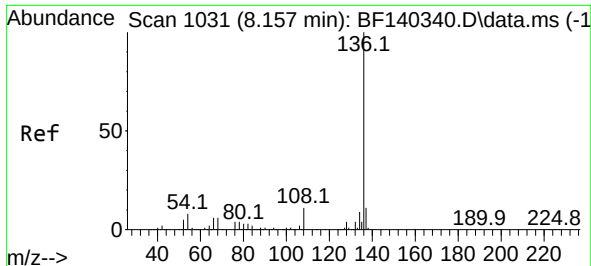
Tgt Ion: 99 Resp: 621125
Ion Ratio Lower Upper
99 100
42 17.9 15.1 22.7
71 35.5 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.058 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

Tgt Ion: 70 Resp: 53393
Ion Ratio Lower Upper
70 100
42 45.5 46.8 70.2#
101 0.0 7.5 11.3#
130 2.0 16.3 24.5#

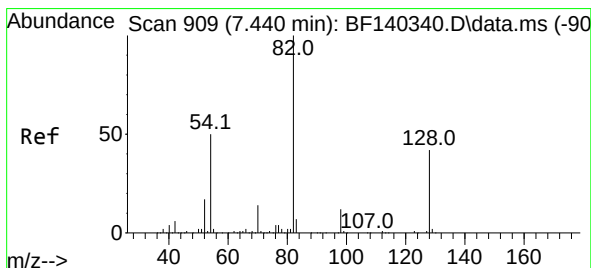
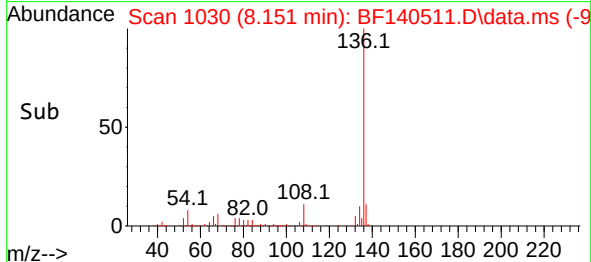
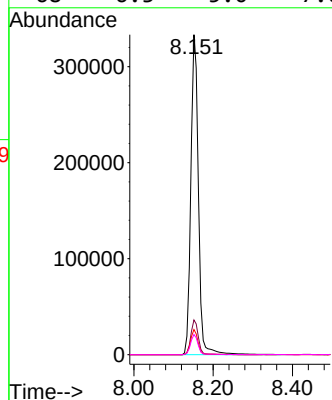
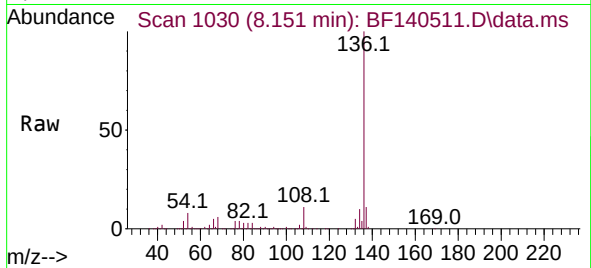




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

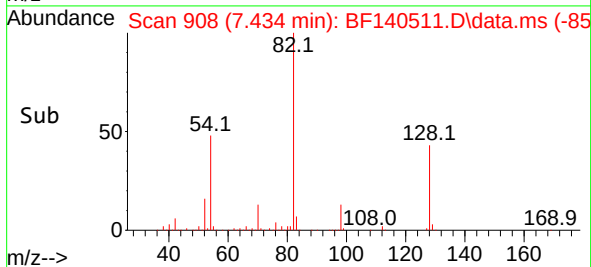
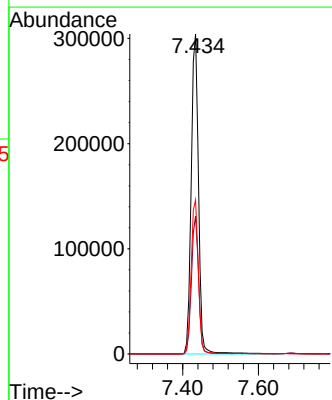
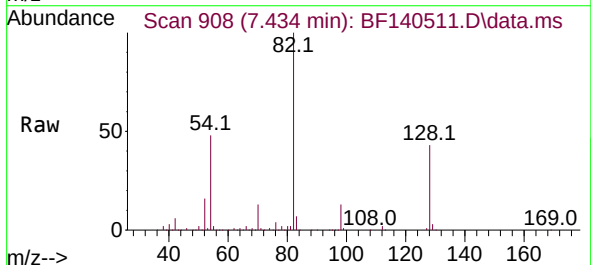
Instrument :
BNA_F
ClientSampleId :
BU-02-111824

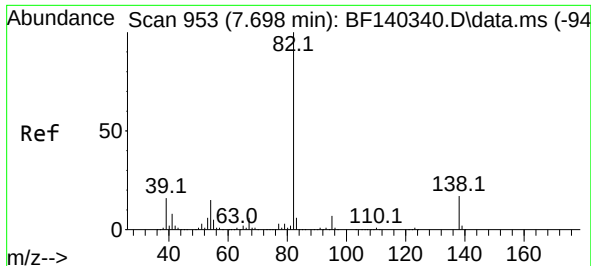
Tgt Ion:136 Resp: 442750
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.9 6.5 9.7
68 6.3 5.0 7.6



#23
Nitrobenzene-d5
Concen: 47.771 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

Tgt Ion: 82 Resp: 405944
Ion Ratio Lower Upper
82 100
128 43.1 33.3 49.9
54 48.1 39.8 59.8

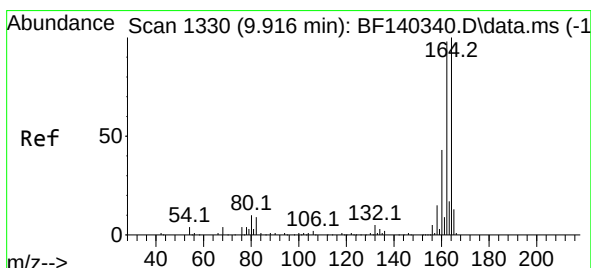
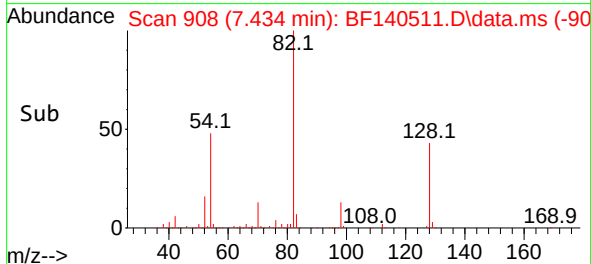
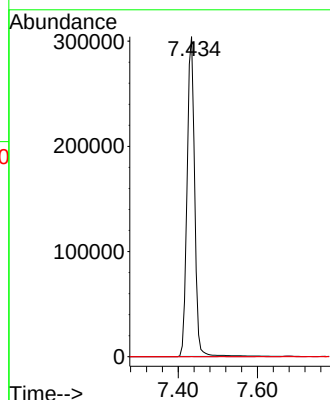
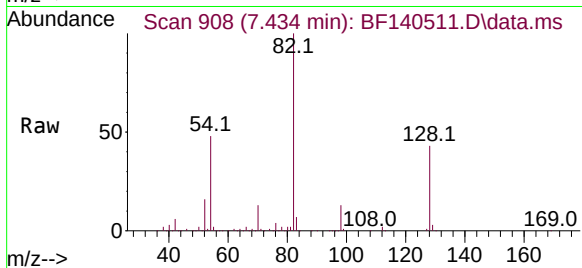




#25
Isophorone
Concen: 26.643 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

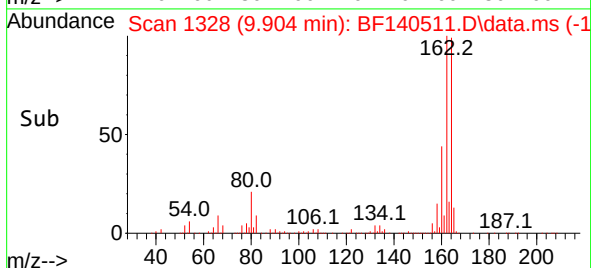
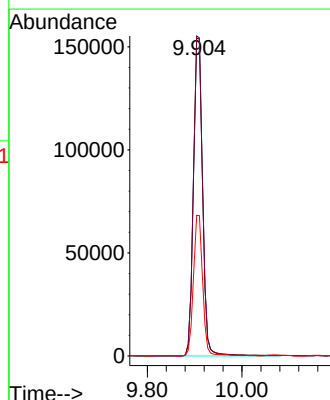
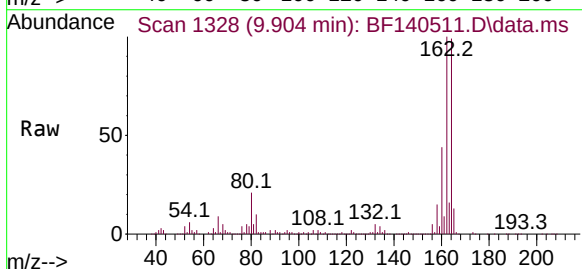
Instrument :
BNA_F
ClientSampleId :
BU-02-111824

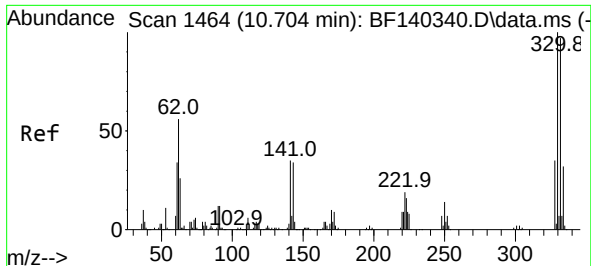
Tgt Ion: 82 Resp: 401257
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

Tgt Ion:164 Resp: 208473
Ion Ratio Lower Upper
164 100
162 100.6 79.8 119.8
160 44.2 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 55.449 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140511.D

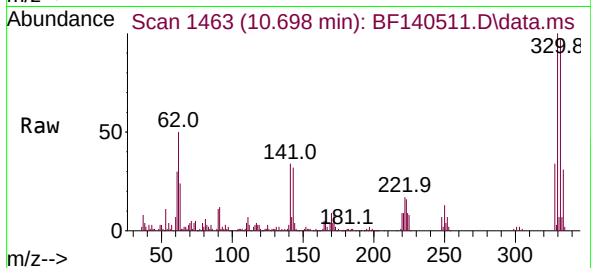
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Instrument :

BNA_F

ClientSampleId :

BU-02-111824



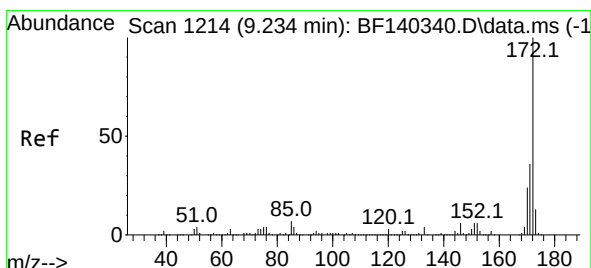
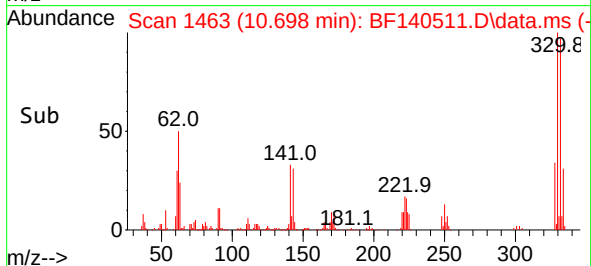
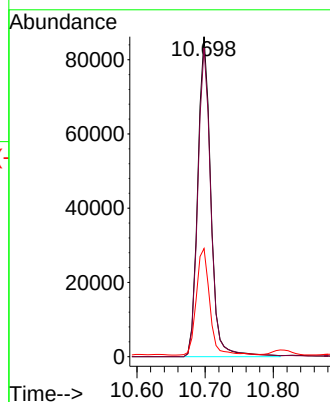
Tgt Ion:330 Resp: 114952

Ion Ratio Lower Upper

330 100

332 96.4 75.9 113.9

141 34.2 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 55.585 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140511.D

Acq: 20 Nov 2024 20:28

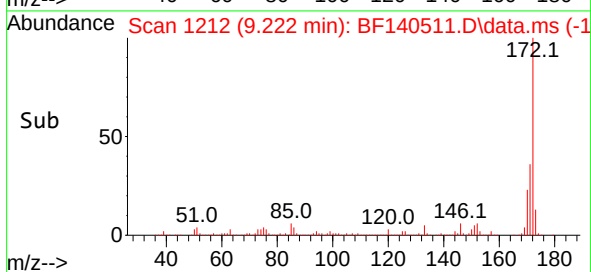
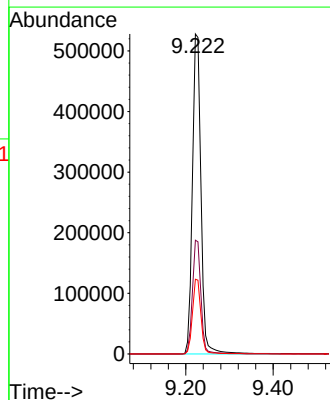
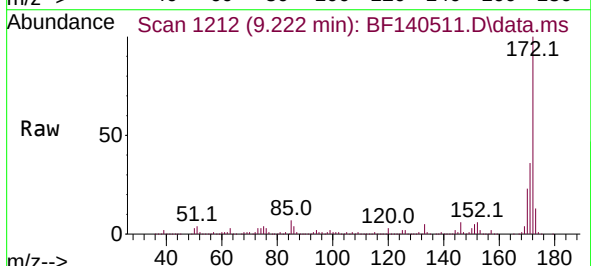
Tgt Ion:172 Resp: 720842

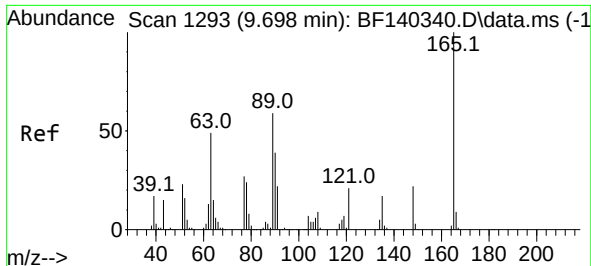
Ion Ratio Lower Upper

172 100

171 35.6 28.5 42.7

170 23.3 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.810 ng

RT: 9.904 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF140511.D

Acq: 20 Nov 2024 20:28

Instrument :

BNA_F

ClientSampleId :

BU-02-111824

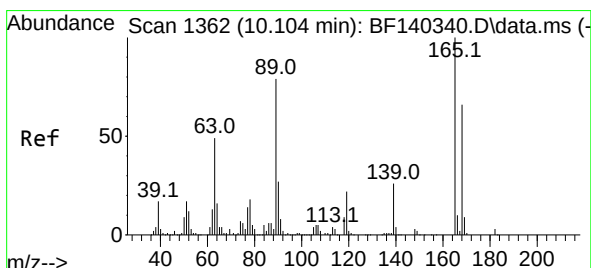
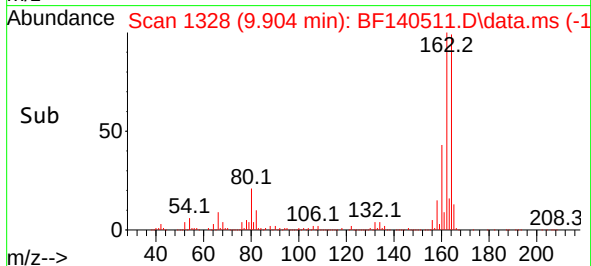
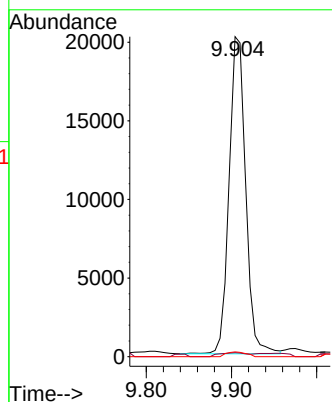
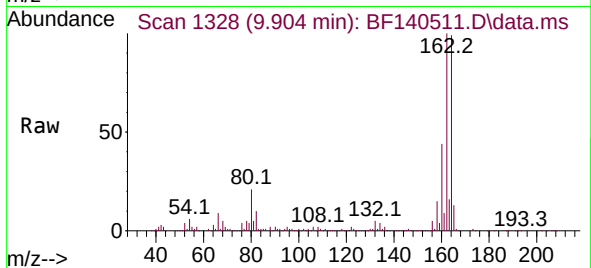
Tgt Ion:165 Resp: 27293

Ion Ratio Lower Upper

165 100

63 1.3 47.6 71.4#

89 1.5 48.1 72.1#



#57

2,4-Dinitrotoluene

Concen: 6.694 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.200 min

Lab File: BF140511.D

Acq: 20 Nov 2024 20:28

Tgt Ion:165 Resp: 27293

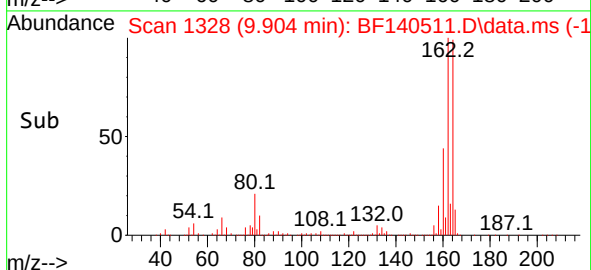
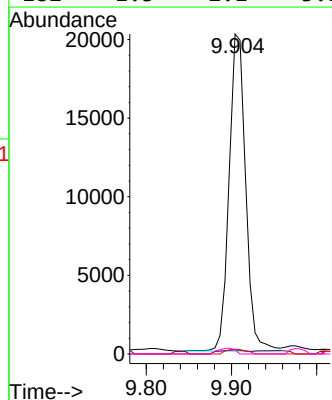
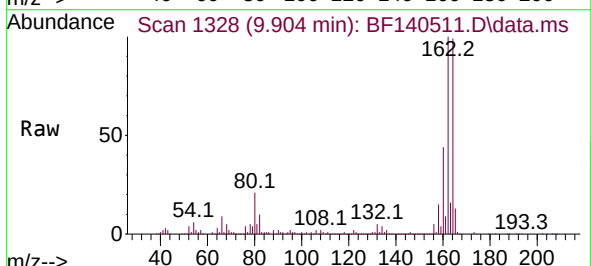
Ion Ratio Lower Upper

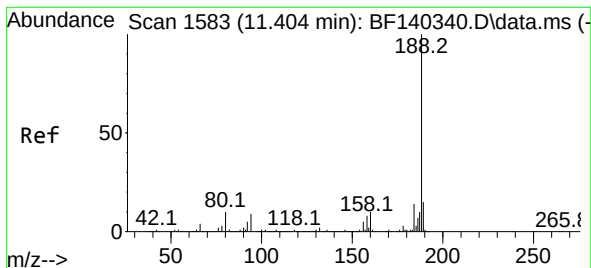
165 100

63 1.3 39.4 59.0#

89 1.5 62.4 93.6#

182 1.3 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140511.D

Acq: 20 Nov 2024 20:28

Instrument :

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BU-02-111824

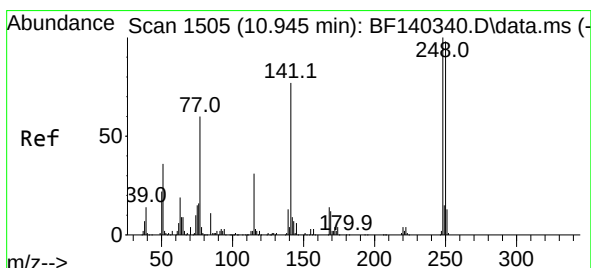
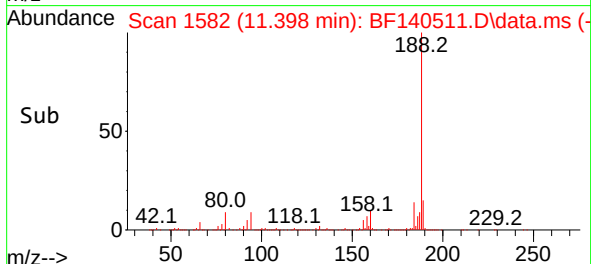
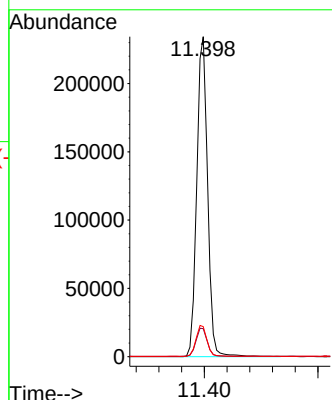
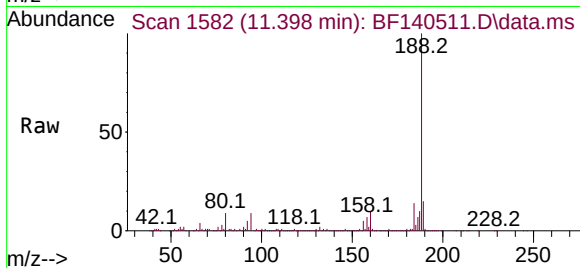
Tgt Ion:188 Resp: 311174

Ion Ratio Lower Upper

188 100

94 8.8 7.6 11.4

80 9.4 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 2.331 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF140511.D

Acq: 20 Nov 2024 20:28

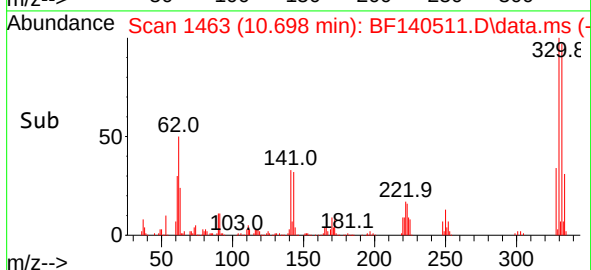
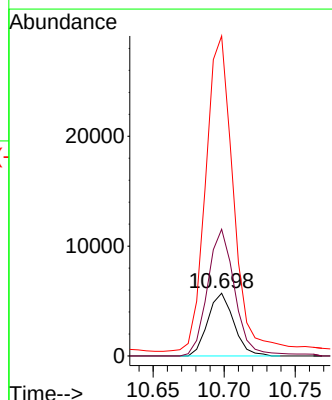
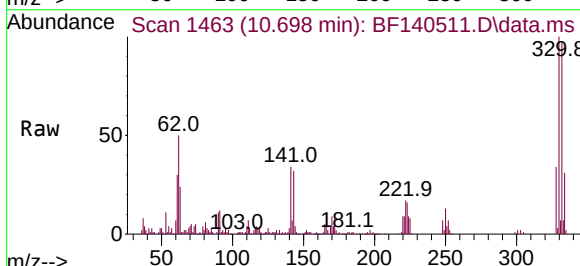
Tgt Ion:248 Resp: 7251

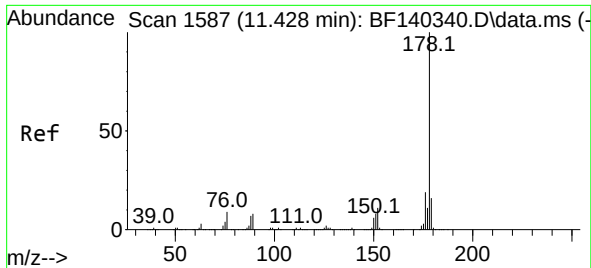
Ion Ratio Lower Upper

248 100

250 202.2 77.9 116.9#

141 510.4 61.8 92.6#

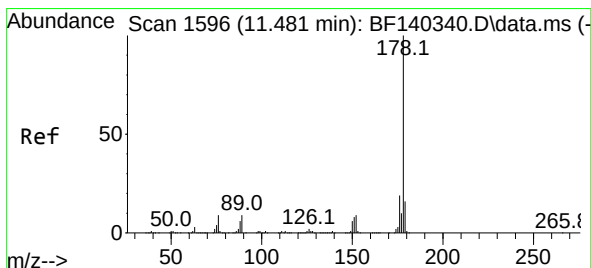
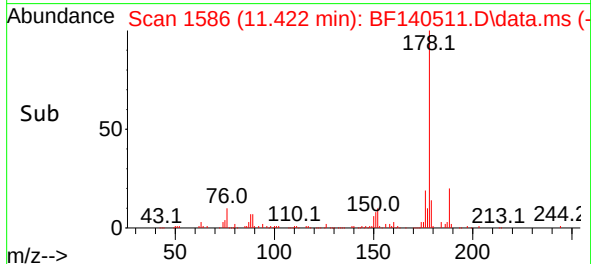
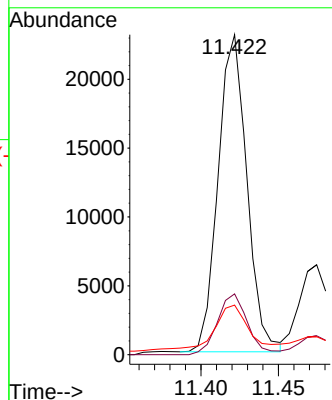
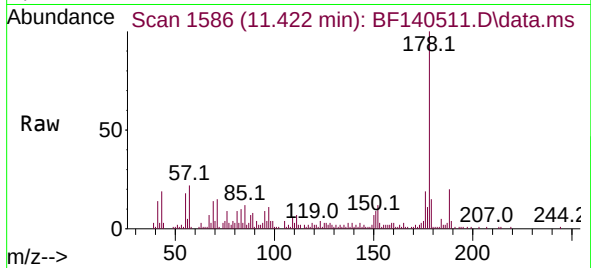




#71
Phenanthrene
Concen: 2.034 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

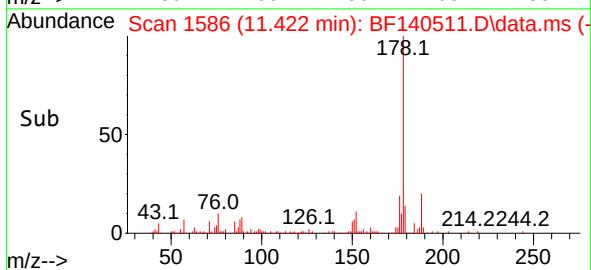
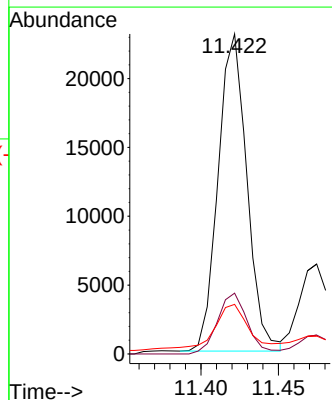
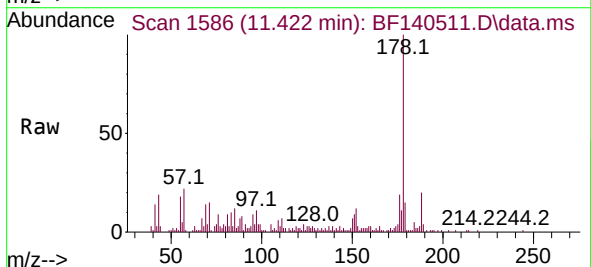
Instrument :
BNA_F
ClientSampleId :
BU-02-111824

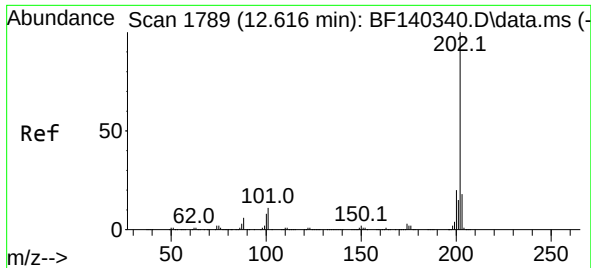
Tgt Ion:178	Resp:	29735
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.5 23.3
179	15.5	12.4 18.6



#72
Anthracene
Concen: 2.076 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.059 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

Tgt Ion:178	Resp:	29735
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.4 23.0
179	15.5	12.6 18.8

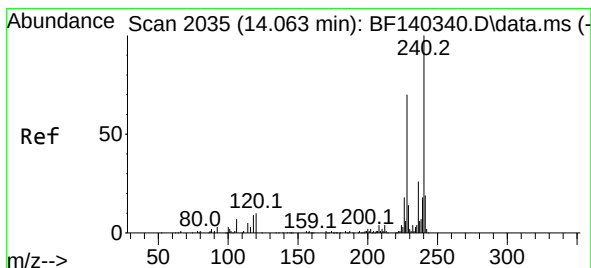
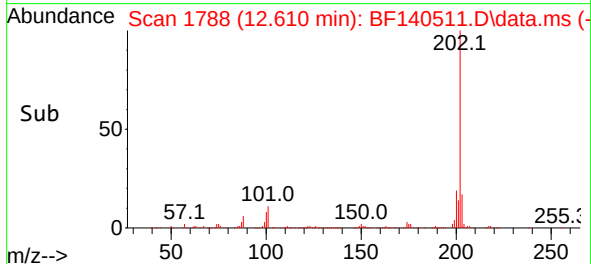
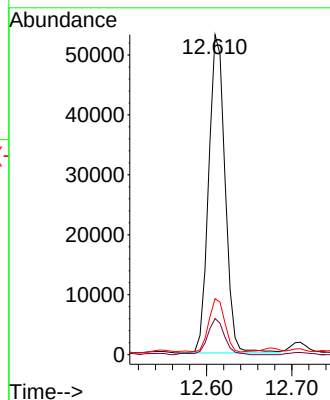
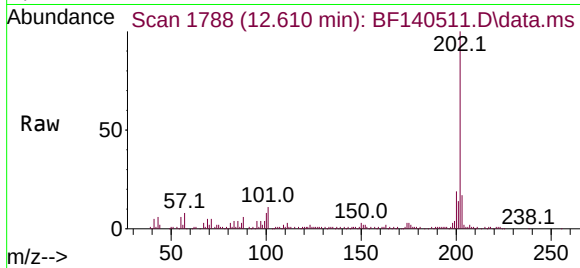




#75
Fluoranthene
Concen: 4.333 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

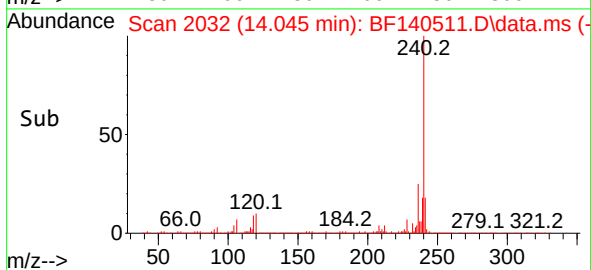
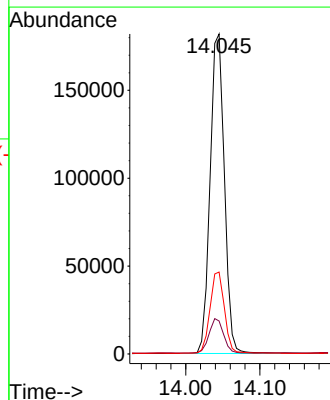
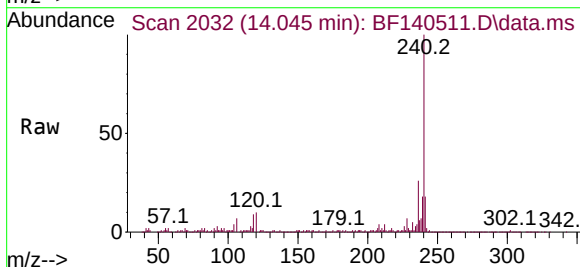
Instrument :
BNA_F
ClientSampleId :
BU-02-111824

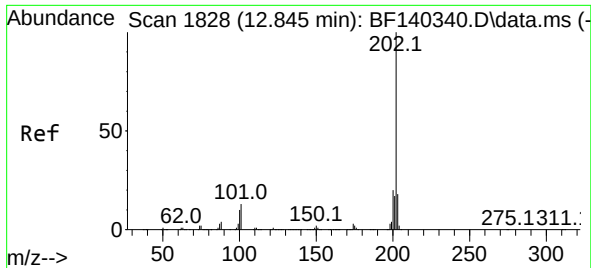
Tgt Ion:202	Resp:	71065
Ion Ratio	Lower	Upper
202	100	
101	11.3	0.0 30.7
203	17.5	0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

Tgt Ion:240	Resp:	243298
Ion Ratio	Lower	Upper
240	100	
120	10.3	8.8 13.2
236	25.6	20.9 31.3

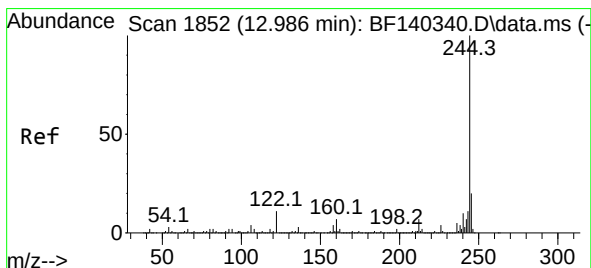
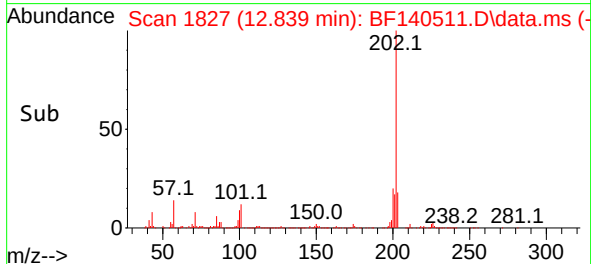
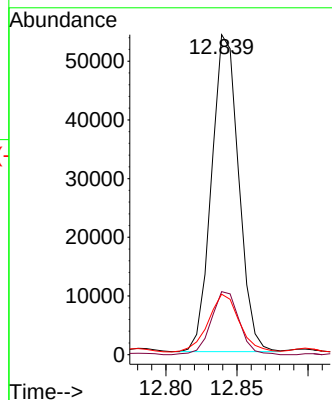
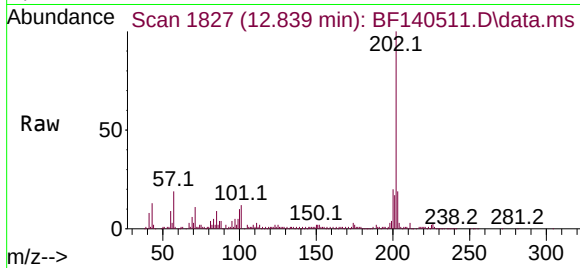




#78
Pyrene
Concen: 3.449 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

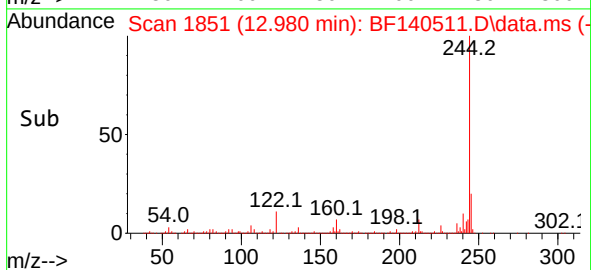
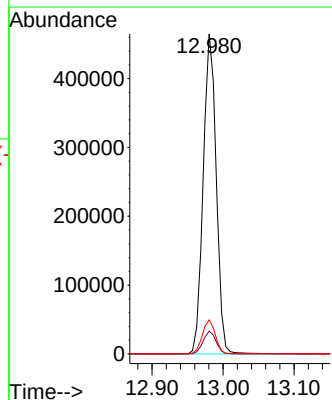
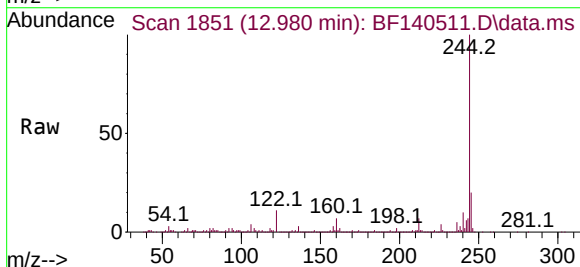
Instrument :
BNA_F
ClientSampleId :
BU-02-111824

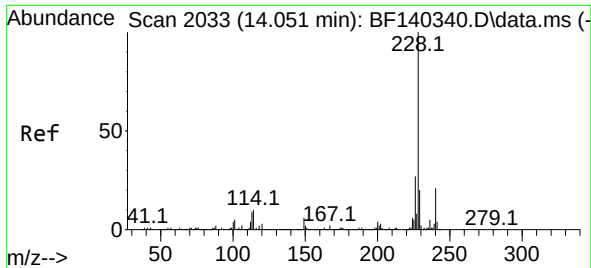
Tgt Ion:	202	Resp:	71768
Ion Ratio	Lower	Upper	
202	100		
200	19.7	16.2	24.2
203	18.9	14.2	21.4



#79
Terphenyl-d14
Concen: 42.392 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

Tgt Ion:	244	Resp:	594188
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.8	8.8
122	10.6	8.8	13.2

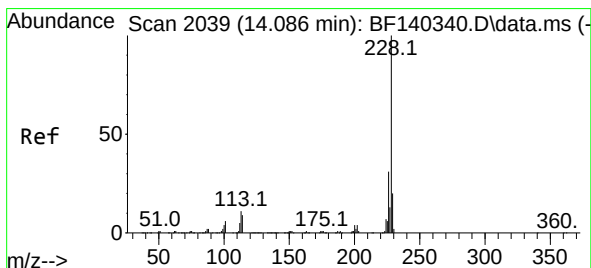
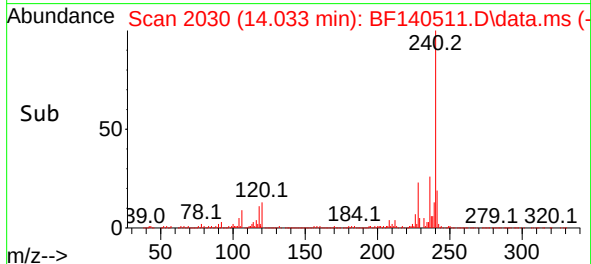
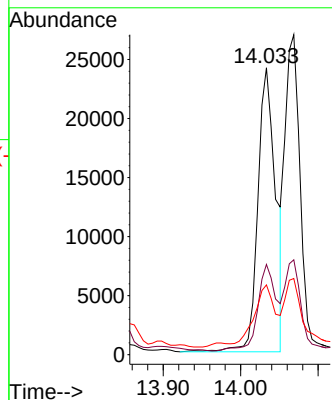
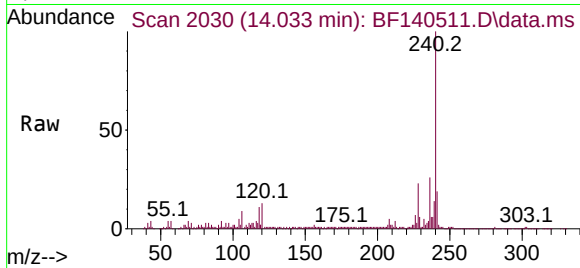




#81
Benzo(a)anthracene
Concen: 2.401 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

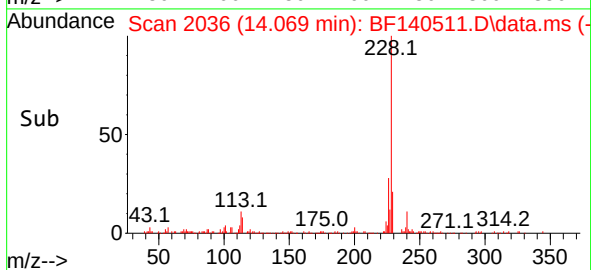
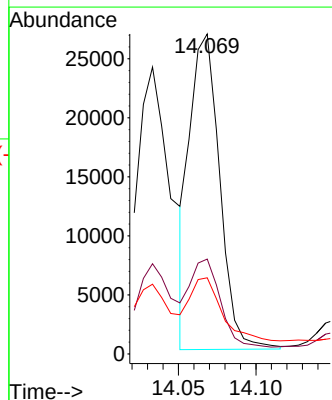
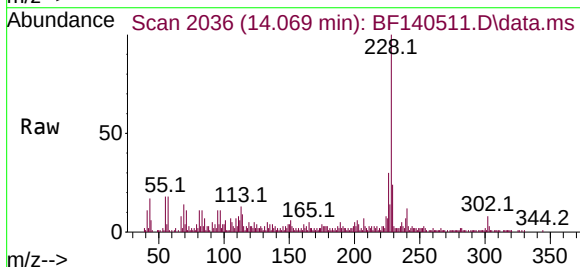
Instrument :
BNA_F
ClientSampleId :
BU-02-111824

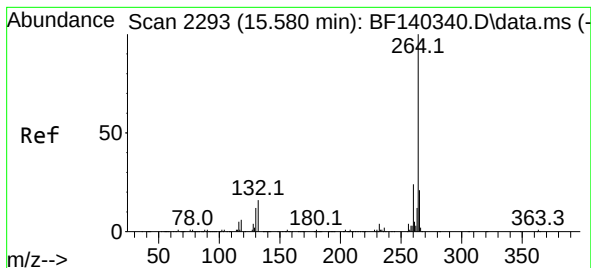
Tgt Ion:228 Resp: 38395
Ion Ratio Lower Upper
228 100
226 31.5 22.2 33.4
229 24.3 15.8 23.6#



#83
Chrysene
Concen: 2.461 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140511.D
Acq: 20 Nov 2024 20:28

Tgt Ion:228 Resp: 35901
Ion Ratio Lower Upper
228 100
226 29.6 24.5 36.7
229 23.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2110

Delta R.T. -0.029 min

Lab File: BF140511.D

Acq: 20 Nov 2024 20:28

Instrument :

BNA_F

ClientSampleId :

BU-02-111824

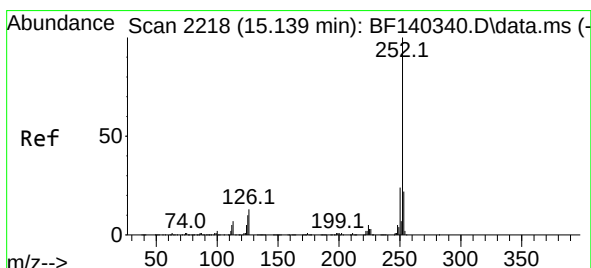
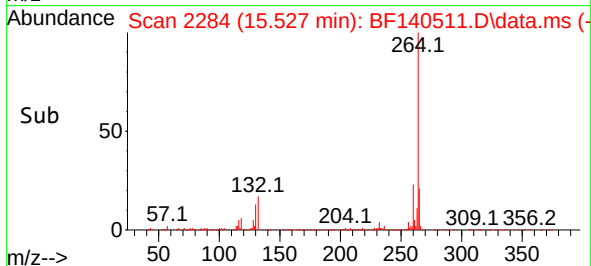
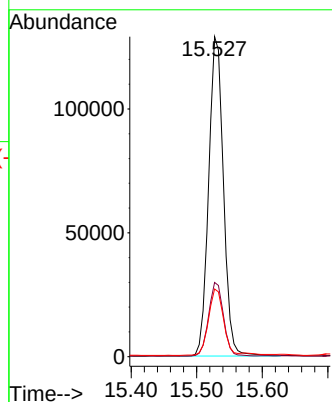
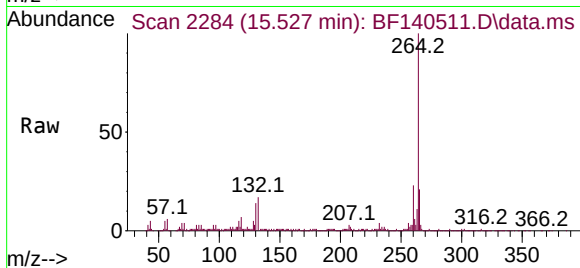
Tgt Ion:264 Resp: 202545

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.1 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 4.627 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.024 min

Lab File: BF140511.D

Acq: 20 Nov 2024 20:28

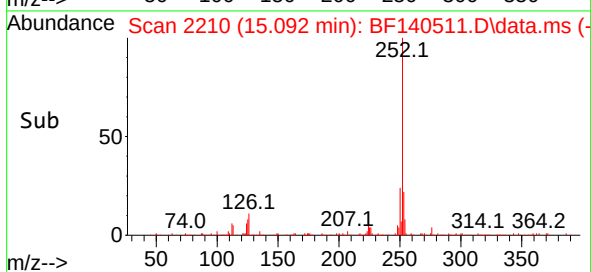
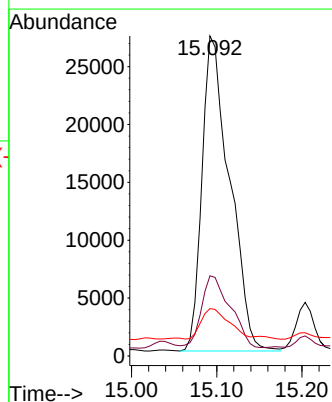
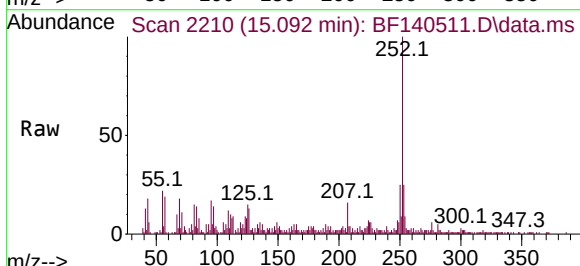
Tgt Ion:252 Resp: 61310

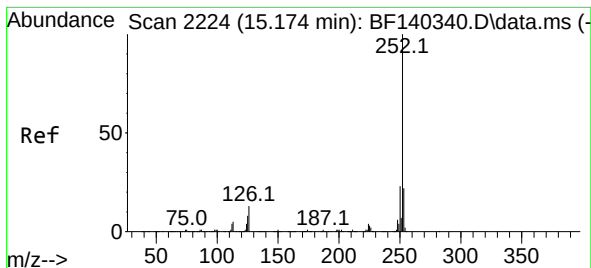
Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

125 14.8 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 5.664 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.059 min

Lab File: BF140511.D

Acq: 20 Nov 2024 20:28

Instrument :

BNA_F

ClientSampleId :

BU-02-111824

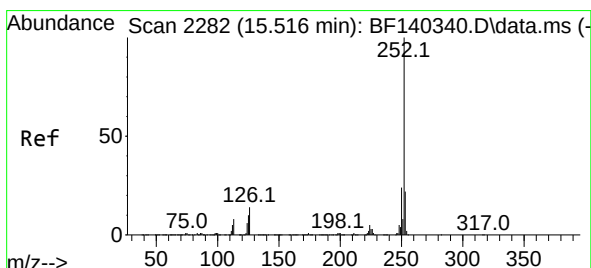
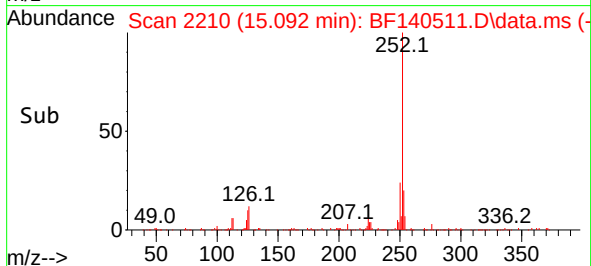
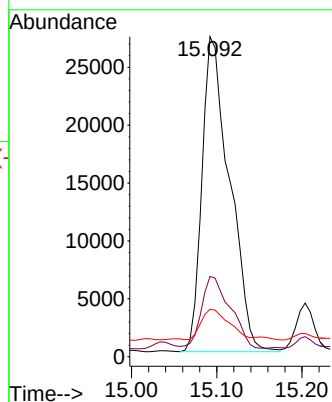
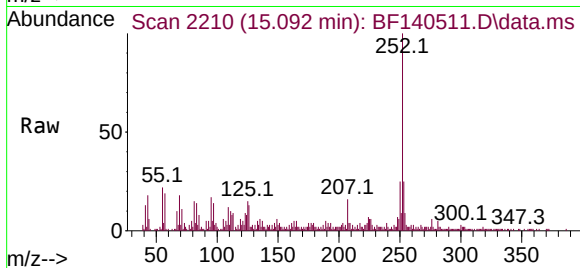
Tgt Ion:252 Resp: 61310

Ion Ratio Lower Upper

252 100

253 25.0 17.3 25.9

125 14.8 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 2.404 ng

RT: 15.463 min Scan# 2273

Delta R.T. -0.029 min

Lab File: BF140511.D

Acq: 20 Nov 2024 20:28

Tgt Ion:252 Resp: 24733

Ion Ratio Lower Upper

252 100

253 26.5 17.8 26.6

125 17.9 8.4 12.6#

