

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100924\
 Data File : BF139732.D
 Acq On : 09 Oct 2024 19:54
 Operator : RC/JU
 Sample : P4359-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-SOIL

Quant Time: Oct 10 01:12:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

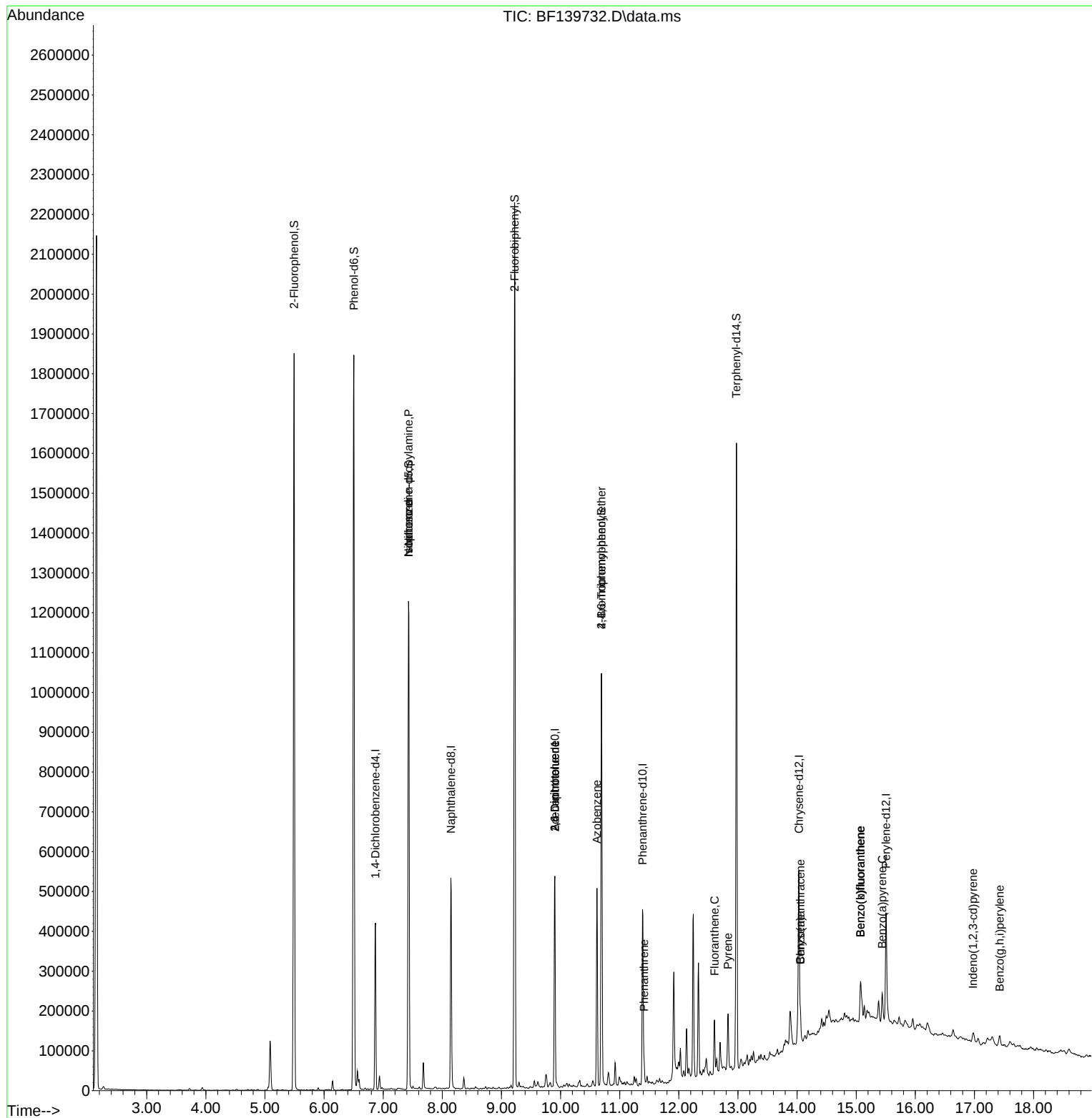
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	88348	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	321088	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	158717	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	235947	20.000	ng	0.00
76) Chrysene-d12	14.033	240	178507	20.000	ng	0.00
86) Perylene-d12	15.504	264	153519	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	650262	127.571	ng	0.00
7) Phenol-d6	6.504	99	862634	125.845	ng	0.00
23) Nitrobenzene-d5	7.428	82	549817	86.697	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	157608	102.867	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	961280	92.979	ng	0.00
79) Terphenyl-d14	12.974	244	749932	68.934	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	75067	17.034	ng	# 75
25) Isophorone	7.428	82	546604	48.527	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	19767	8.422	ng	# 17
57) 2,4-Dinitrotoluene	9.904	165	19767	6.443	ng	# 17
63) Azobenzene	10.616	77	123633	11.456	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	10602	4.382	ng	# 1
71) Phenanthrene	11.410	178	28802	2.589	ng	99
75) Fluoranthene	12.604	202	74920	6.160	ng	99
78) Pyrene	12.833	202	80882	5.066	ng	99
81) Benzo(a)anthracene	14.057	228	43424	3.700	ng	94
83) Chrysene	14.057	228	43424	4.047	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	20376	2.255	ng	96
88) Benzo(b)fluoranthene	15.074	252	80162	8.076	ng	# 93
89) Benzo(k)fluoranthene	15.074	252	80162	9.520	ng	# 94
90) Benzo(a)pyrene	15.439	252	39786	5.083	ng	# 90
92) Benzo(g,h,i)perylene	17.427	276	20034	2.665	ng	98

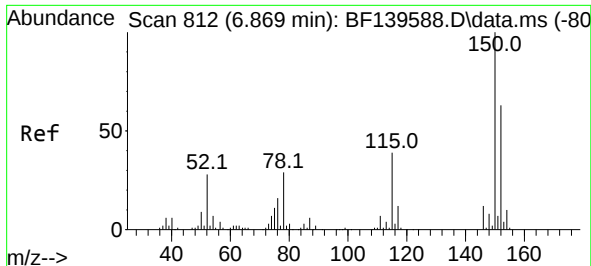
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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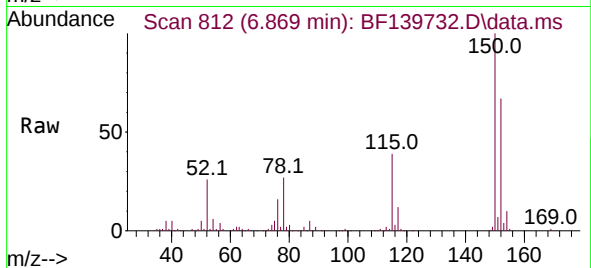
Quant Time: Oct 10 01:12:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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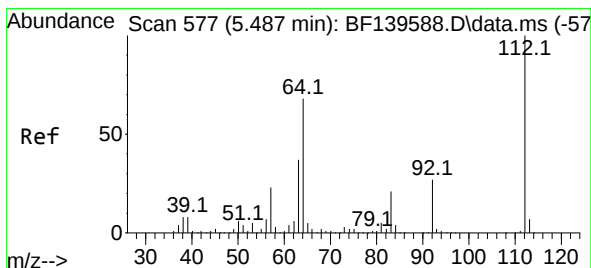
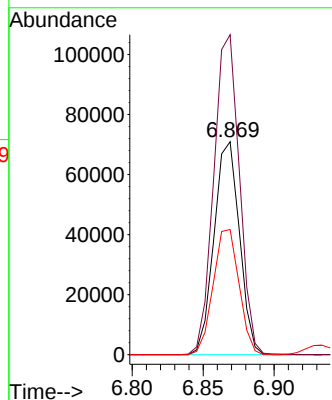
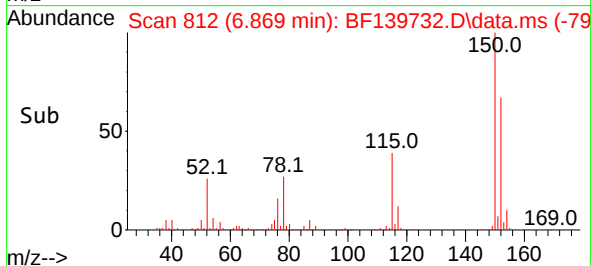


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL

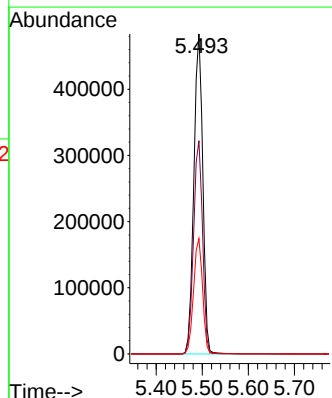
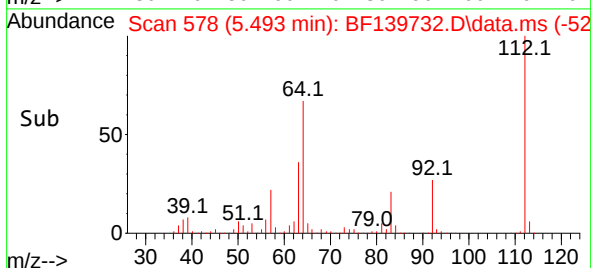
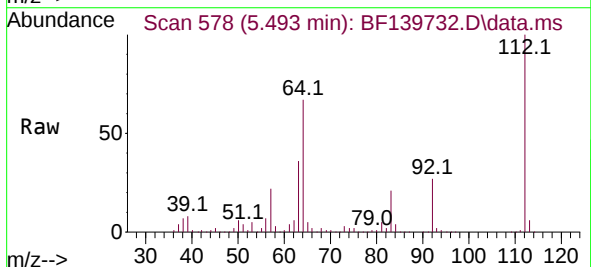


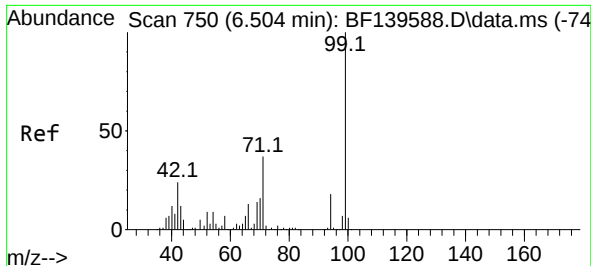
Tgt Ion:152 Resp: 88348
Ion Ratio Lower Upper
152 100
150 150.3 127.2 190.8
115 58.8 49.0 73.4



#5
2-Fluorophenol
Concen: 127.571 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

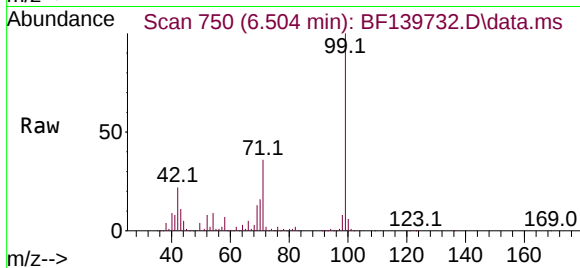
Tgt Ion:112 Resp: 650262
Ion Ratio Lower Upper
112 100
64 66.6 54.2 81.4
63 36.1 29.4 44.2



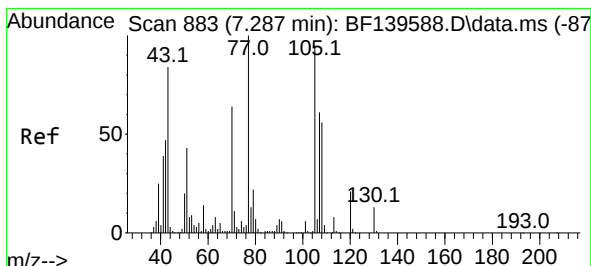
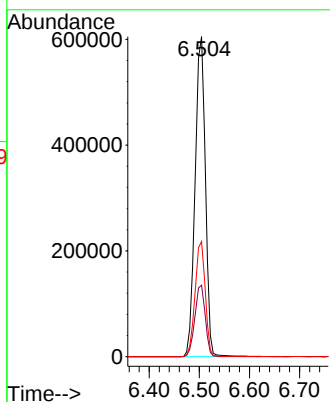
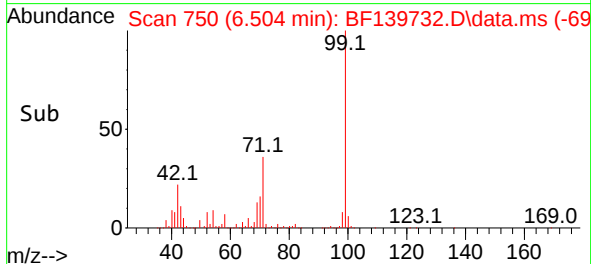


#7
Phenol-d6
Concen: 125.845 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

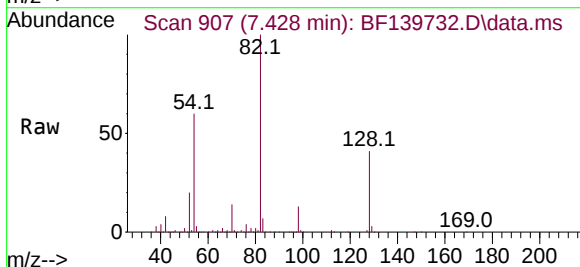
Instrument :
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ClientSampleId :
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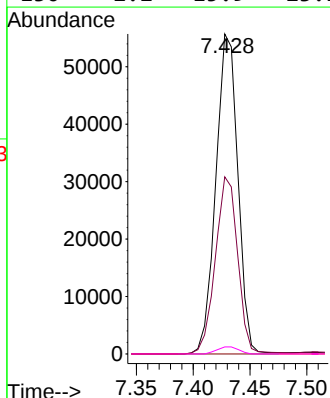
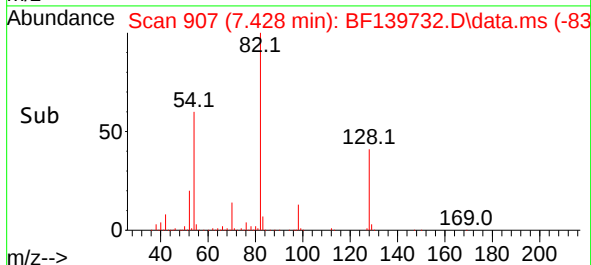
Tgt Ion: 99 Resp: 862634
Ion Ratio Lower Upper
99 100
42 22.4 19.1 28.7
71 36.0 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.034 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54



Tgt Ion: 70 Resp: 75067
Ion Ratio Lower Upper
70 100
42 55.3 58.0 87.0#
101 0.0 7.8 11.8#
130 2.2 15.9 23.9#

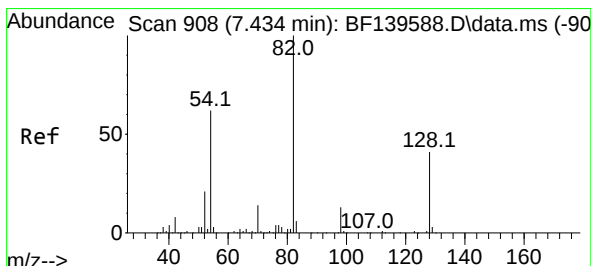
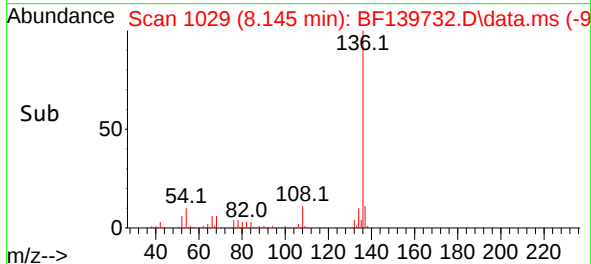
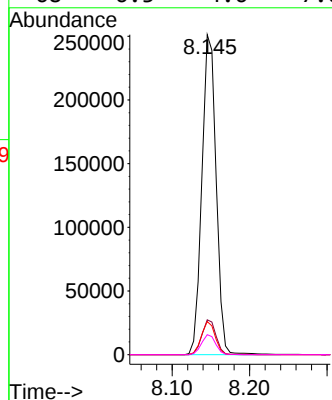
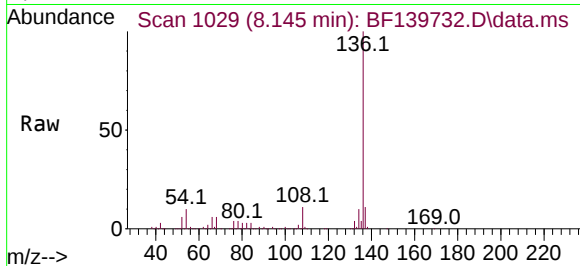




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

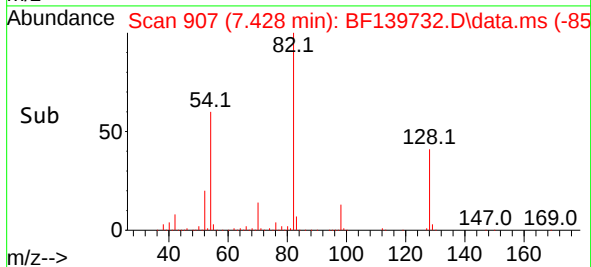
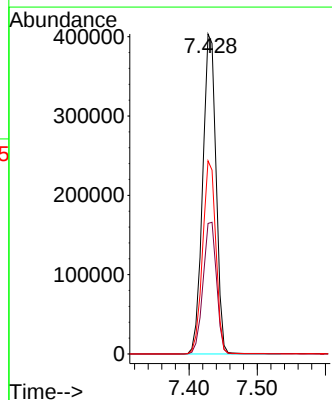
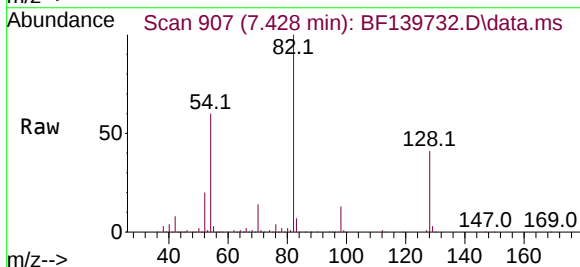
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL

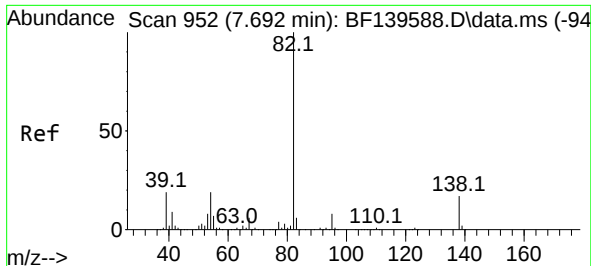
Tgt Ion:	136	Resp:	321088
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.3	8.3	12.5
68	6.3	4.6	7.0



#23
Nitrobenzene-d5
Concen: 86.697 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

Tgt Ion:	82	Resp:	549817
Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.4	48.6
54	60.4	49.1	73.7

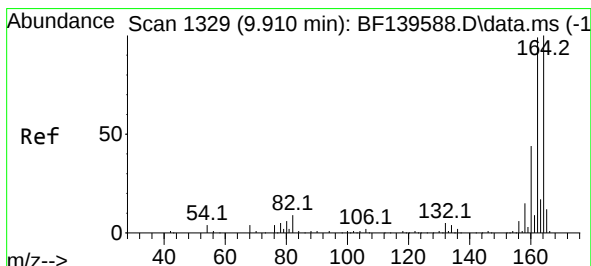
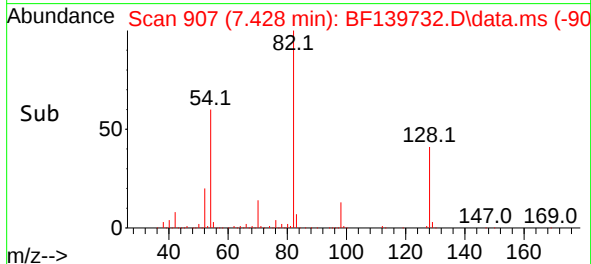
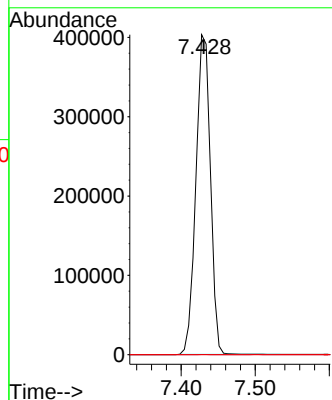
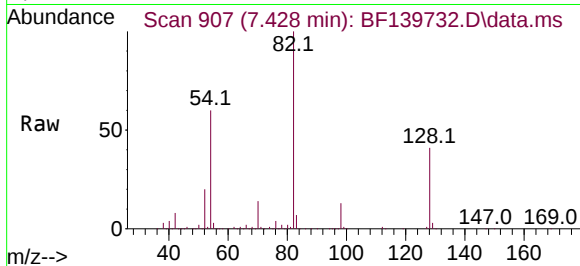




#25
Isophorone
Concen: 48.527 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

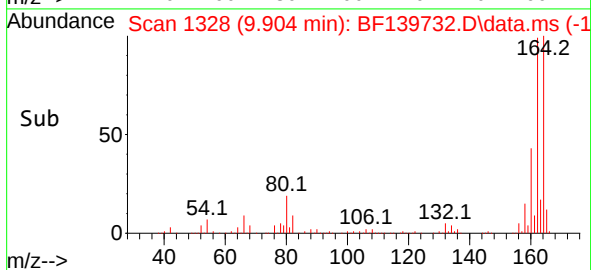
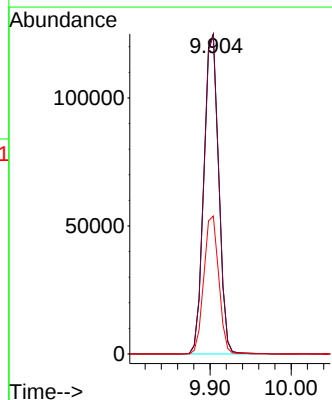
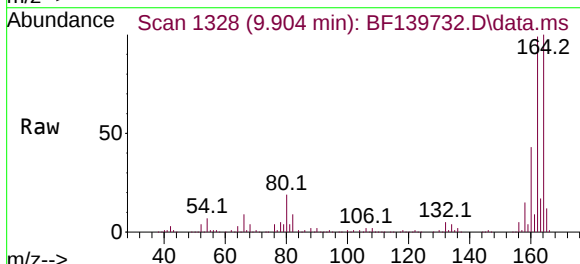
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL

Tgt Ion: 82 Resp: 546604
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

Tgt Ion: 164 Resp: 158717
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.0
160 43.1 35.1 52.7

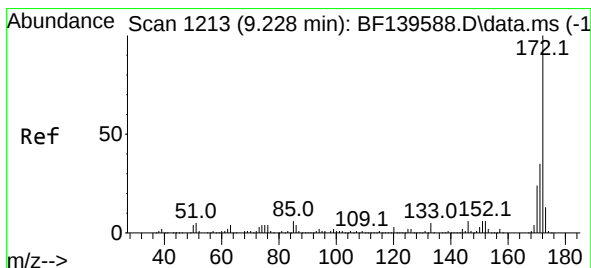
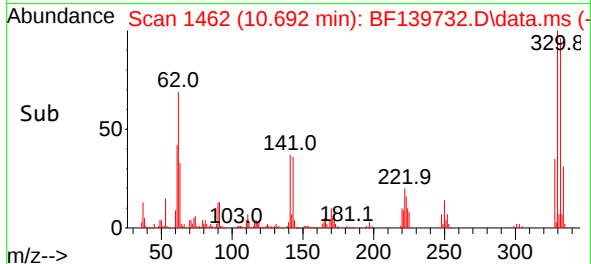
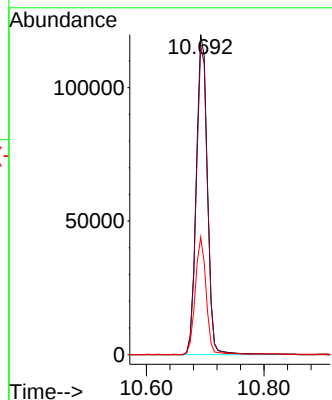
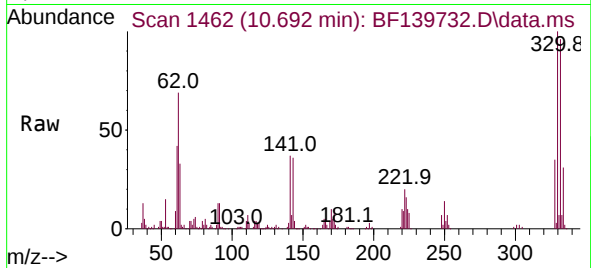




#42
2,4,6-Tribromophenol
Concen: 102.867 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

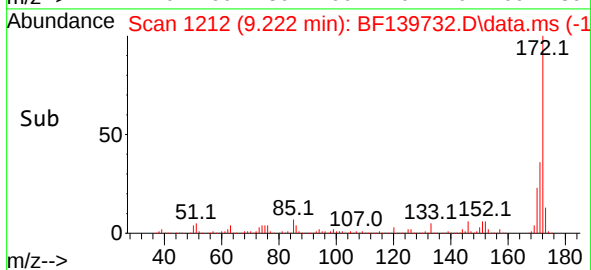
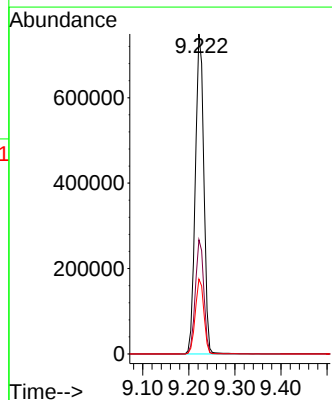
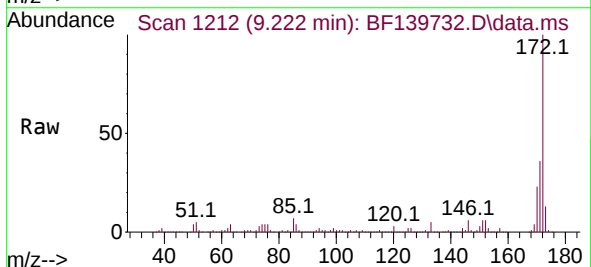
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL

Tgt Ion:330 Resp: 157608
Ion Ratio Lower Upper
330 100
332 96.6 76.5 114.7
141 36.1 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 92.979 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

Tgt Ion:172 Resp: 961280
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.4
170 23.4 18.8 28.2

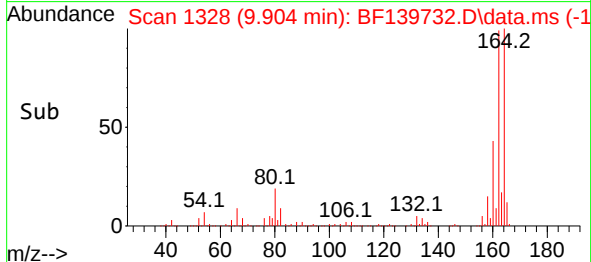
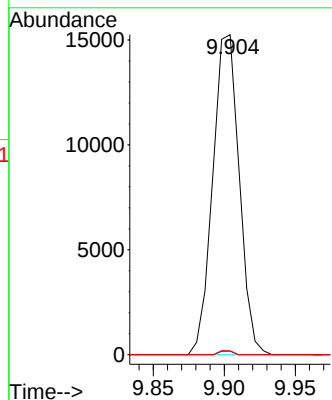
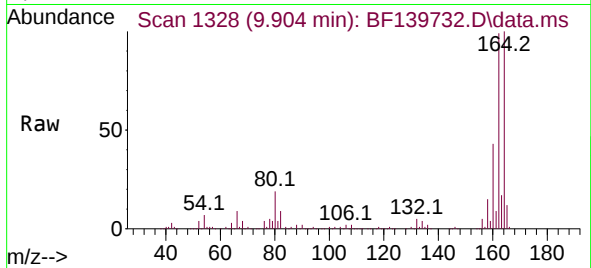




#51
2,6-Dinitrotoluene
Concen: 8.422 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

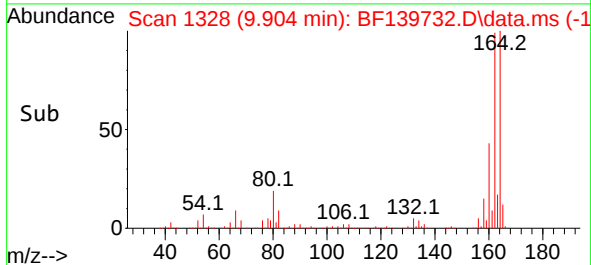
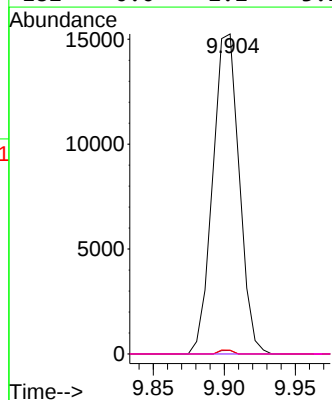
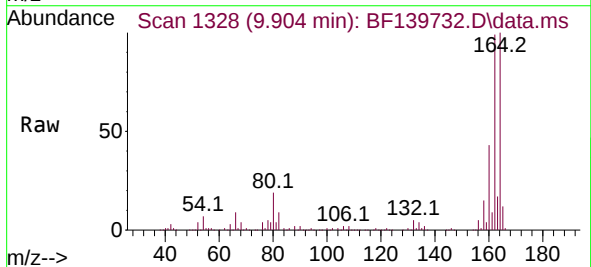
Instrument :
BNA_F
ClientSampleId :
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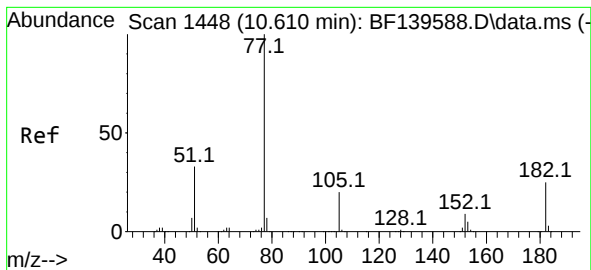
Tgt Ion:165 Resp: 19767
Ion Ratio Lower Upper
165 100
63 1.1 56.7 85.1#
89 1.2 51.6 77.4#



#57
2,4-Dinitrotoluene
Concen: 6.443 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

Tgt Ion:165 Resp: 19767
Ion Ratio Lower Upper
165 100
63 1.1 46.9 70.3#
89 1.2 64.4 96.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 11.456 ng

RT: 10.616 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL

Tgt Ion: 77 Resp: 123633

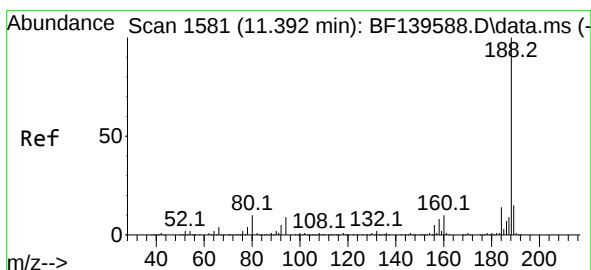
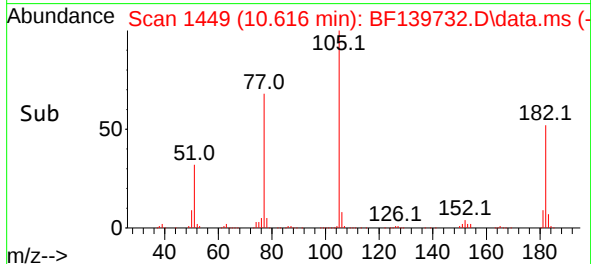
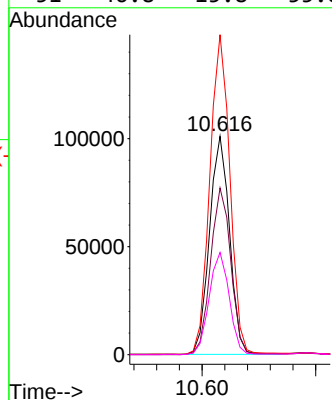
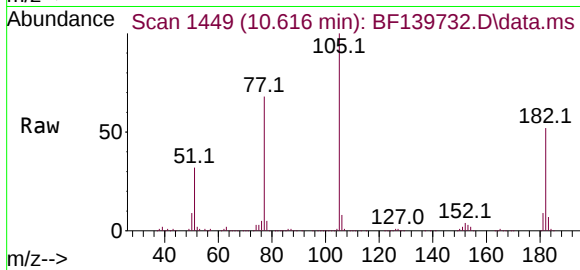
Ion Ratio Lower Upper

77 100

182 76.3 4.2 44.2#

105 146.5 0.0 39.6#

51 46.8 15.8 55.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

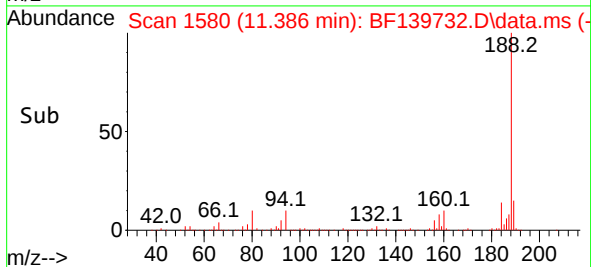
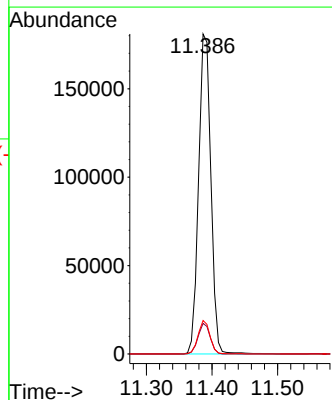
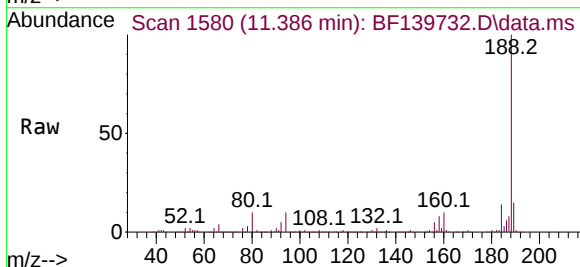
Tgt Ion:188 Resp: 235947

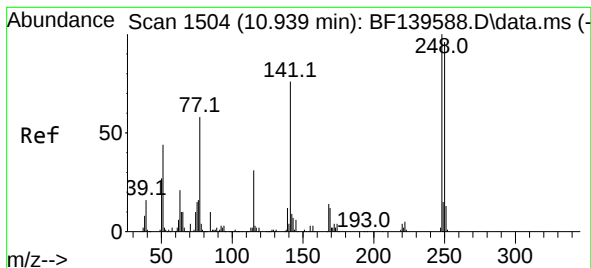
Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.2

80 10.4 8.2 12.2

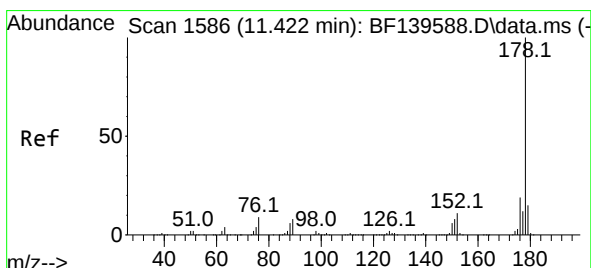
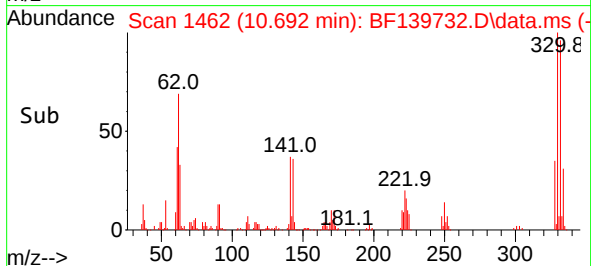
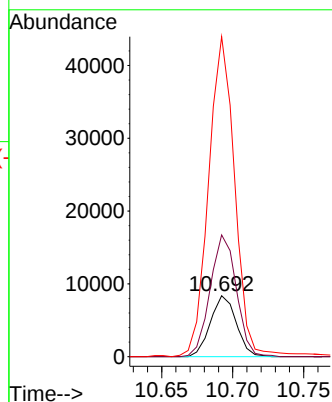
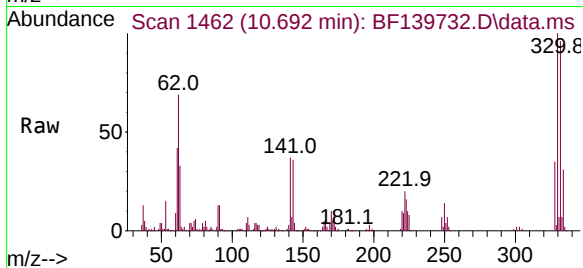




#67
4-Bromophenyl-phenylether
Concen: 4.382 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

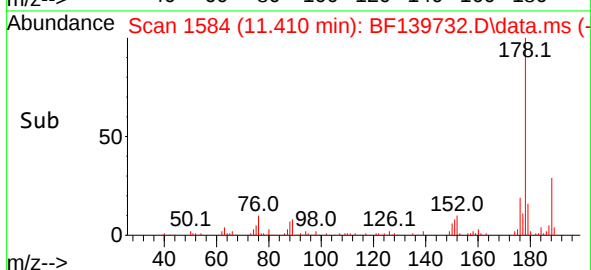
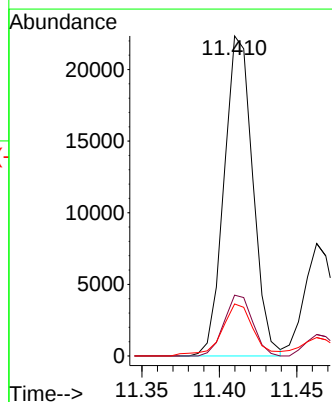
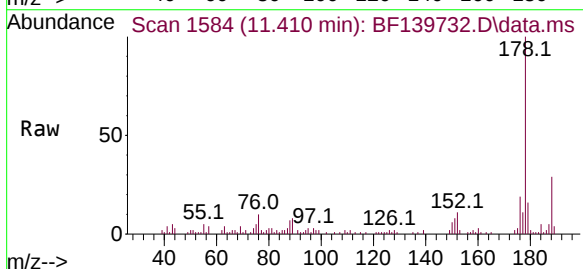
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL

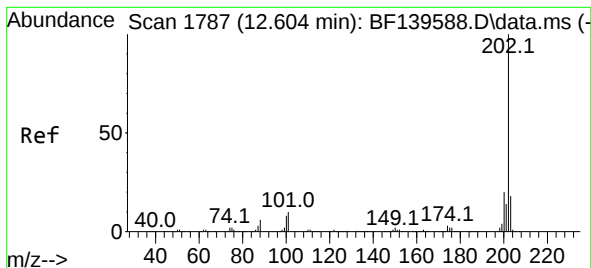
Tgt Ion:248 Resp: 10602
Ion Ratio Lower Upper
248 100
250 199.7 77.1 115.7#
141 525.1 60.4 90.6#



#71
Phenanthrene
Concen: 2.589 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF139732.D
Acq: 09 Oct 2024 19:54

Tgt Ion:178 Resp: 28802
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 16.3 12.3 18.5





#75

Fluoranthene

Concen: 6.160 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL

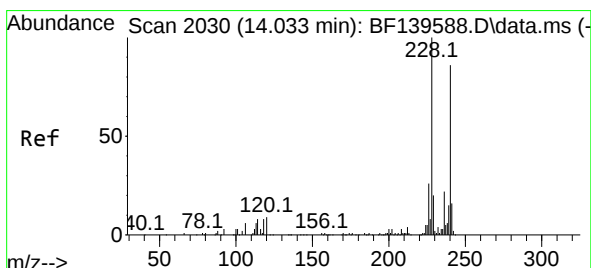
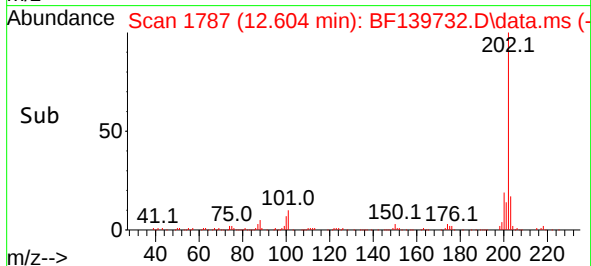
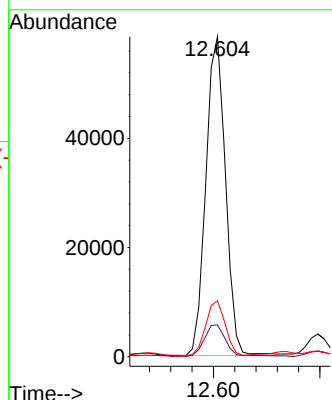
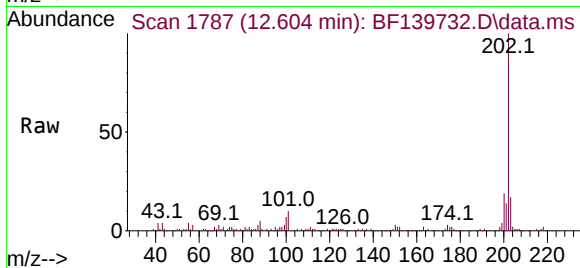
Tgt Ion:202 Resp: 74920

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.2

203 17.5 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

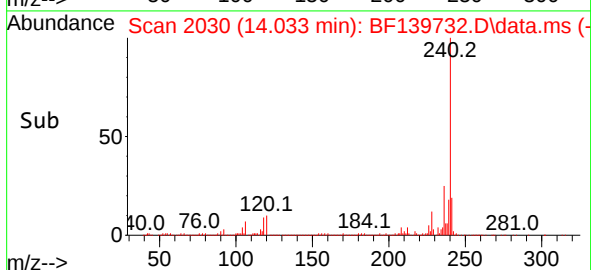
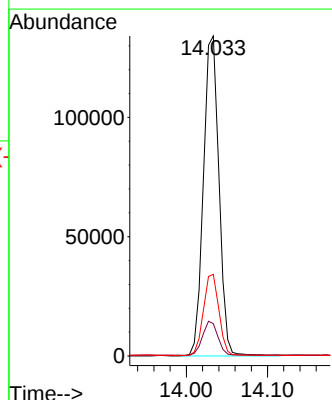
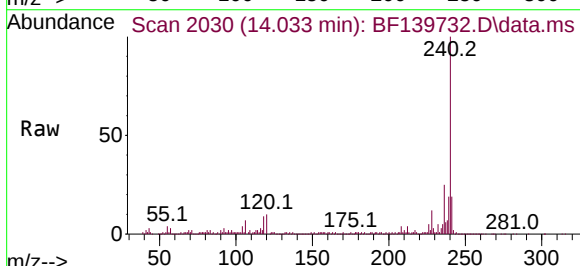
Tgt Ion:240 Resp: 178507

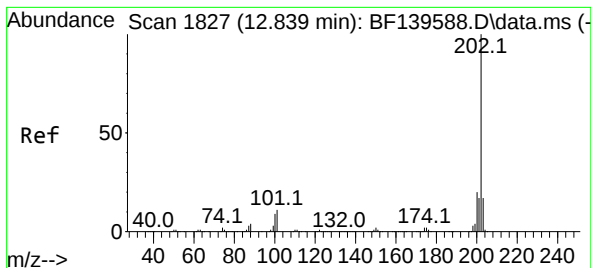
Ion Ratio Lower Upper

240 100

120 10.1 8.4 12.6

236 25.5 20.3 30.5





#78

Pyrene

Concen: 5.066 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL

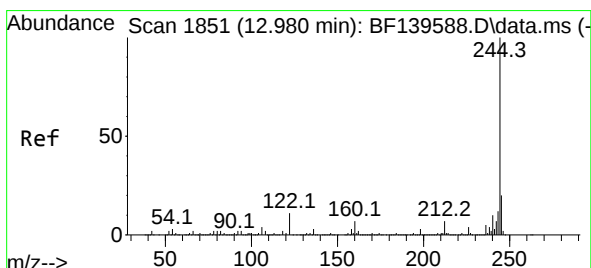
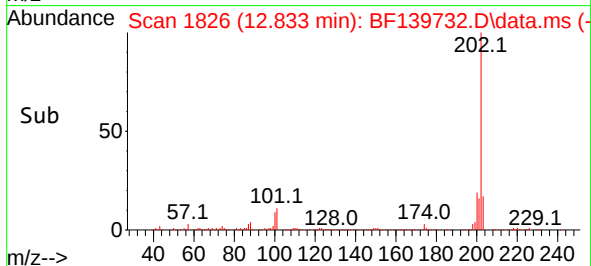
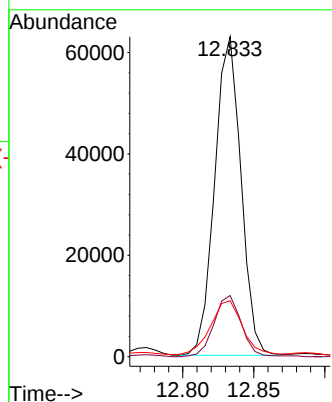
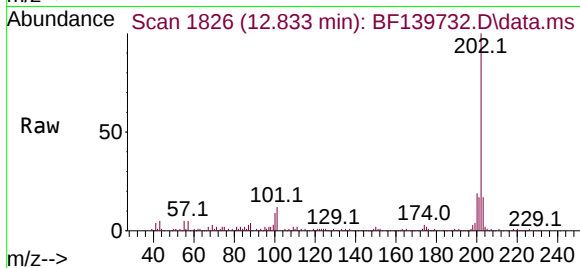
Tgt Ion:202 Resp: 80882

Ion Ratio Lower Upper

202 100

200 19.1 15.8 23.6

203 17.5 13.8 20.8



#79

Terphenyl-d14

Concen: 68.934 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

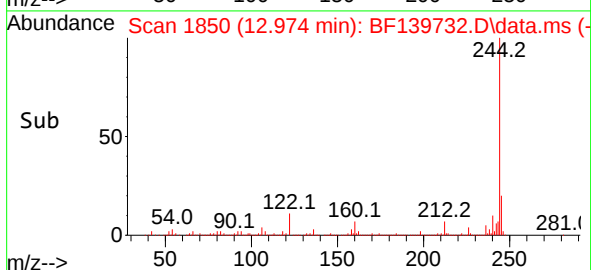
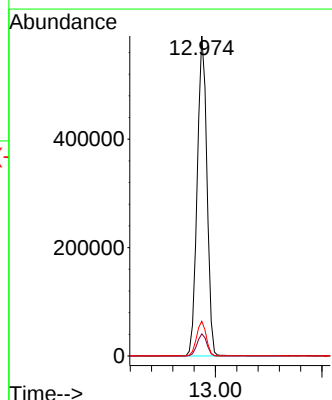
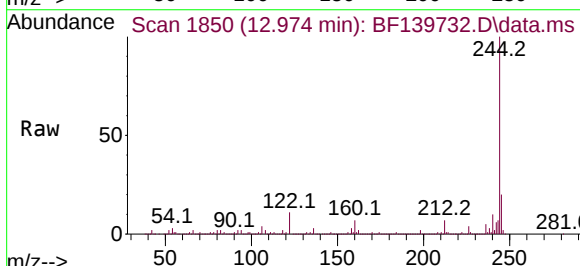
Tgt Ion:244 Resp: 749932

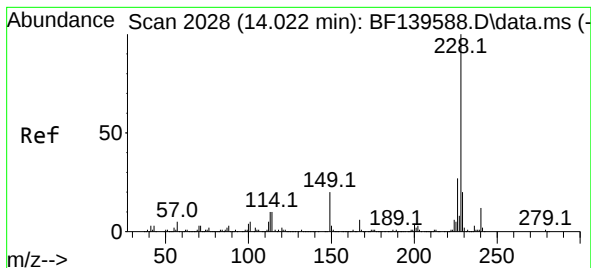
Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 10.8 8.6 12.8





#81

Benzo(a)anthracene

Concen: 3.700 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.035 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL

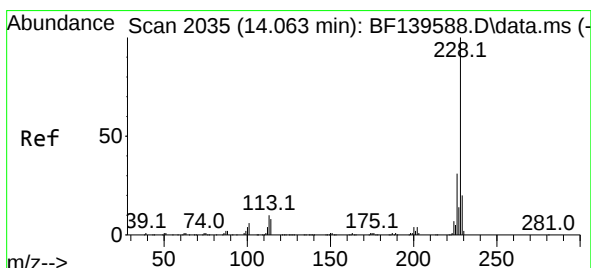
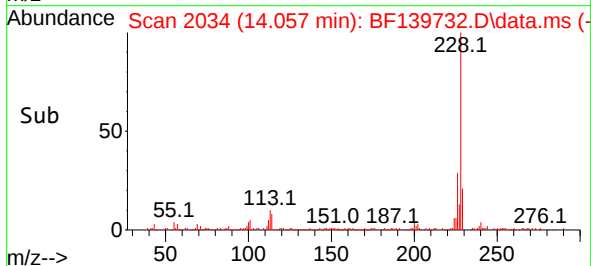
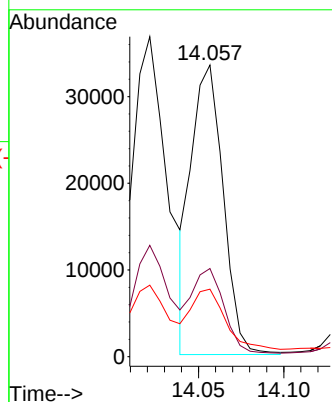
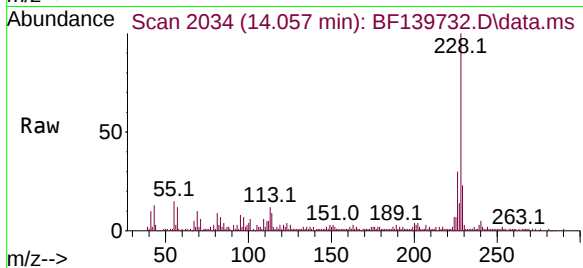
Tgt Ion:228 Resp: 43424

Ion Ratio Lower Upper

228 100

226 30.2 21.8 32.8

229 23.2 15.8 23.8



#83

Chrysene

Concen: 4.047 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

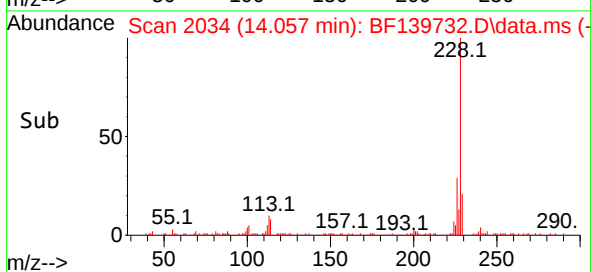
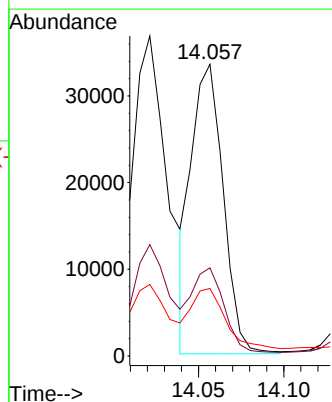
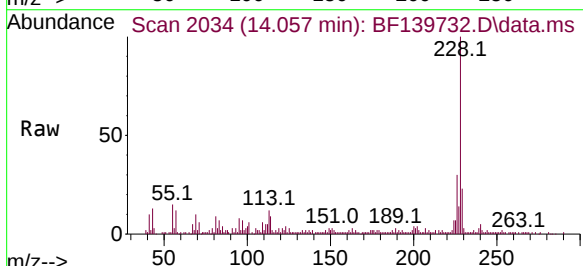
Tgt Ion:228 Resp: 43424

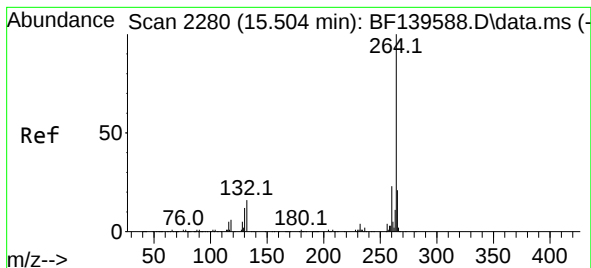
Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 23.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL

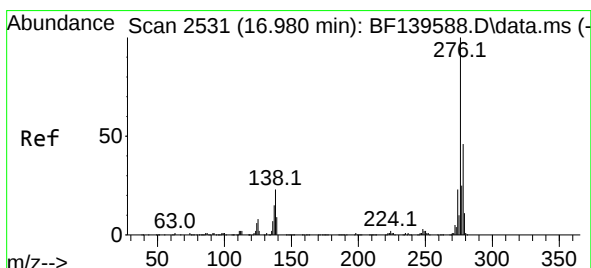
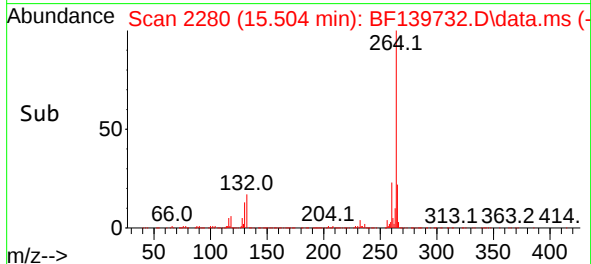
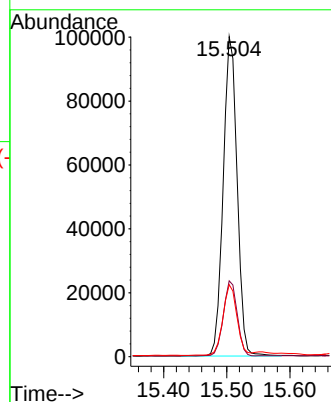
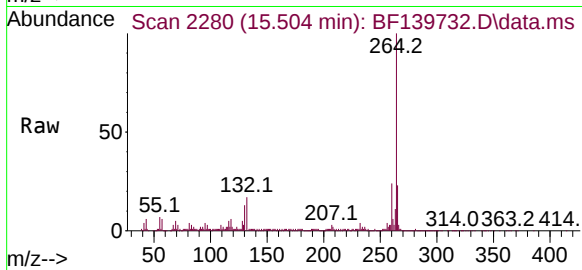
Tgt Ion:264 Resp: 153519

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 22.5 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.255 ng

RT: 16.974 min Scan# 2530

Delta R.T. -0.006 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

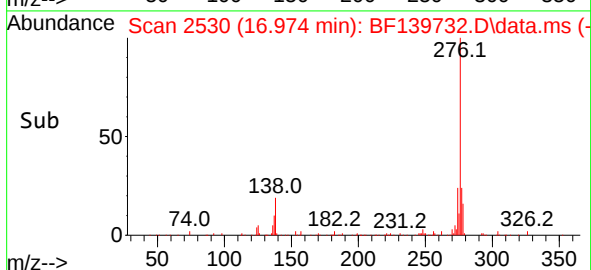
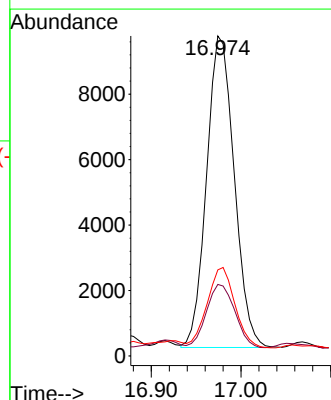
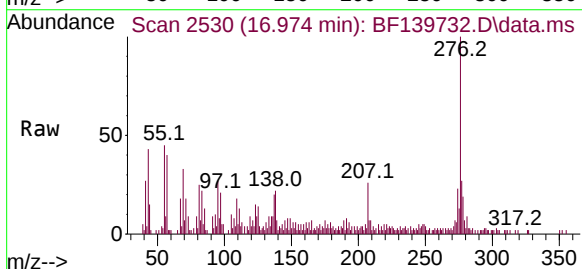
Tgt Ion:276 Resp: 20376

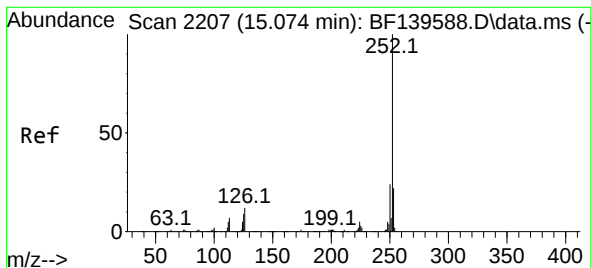
Ion Ratio Lower Upper

276 100

138 20.7 19.4 29.0

277 25.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 8.076 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.000 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL

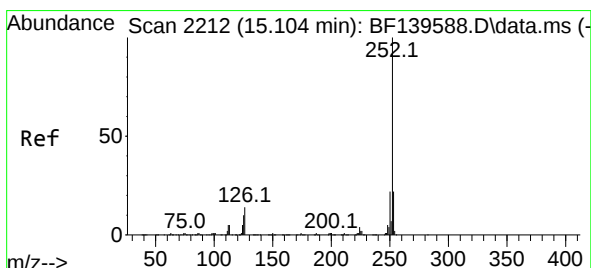
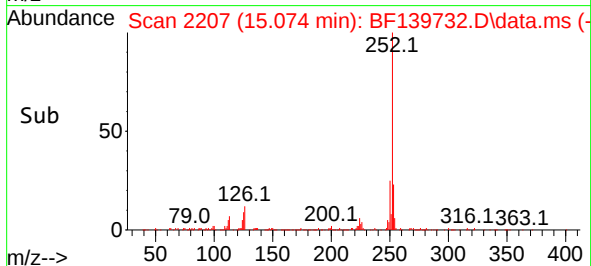
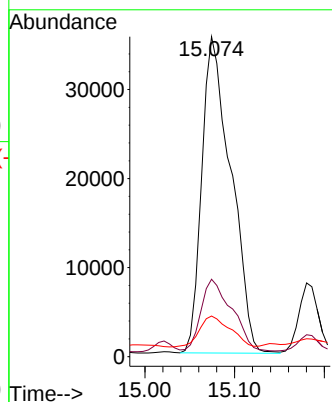
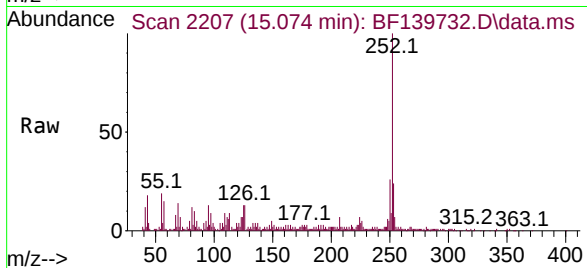
Tgt Ion:252 Resp: 80162

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

125 12.7 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 9.520 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.029 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

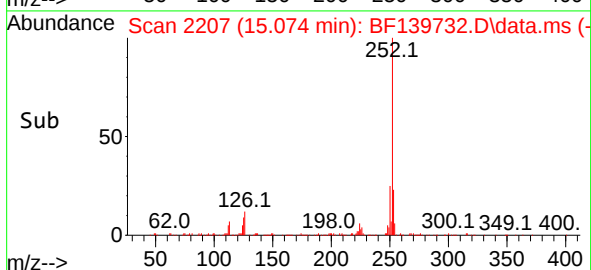
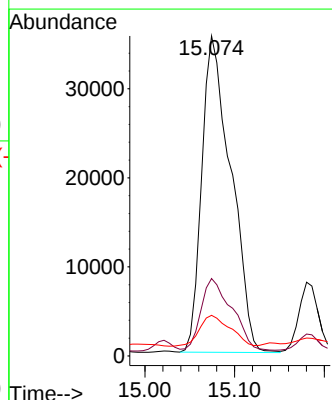
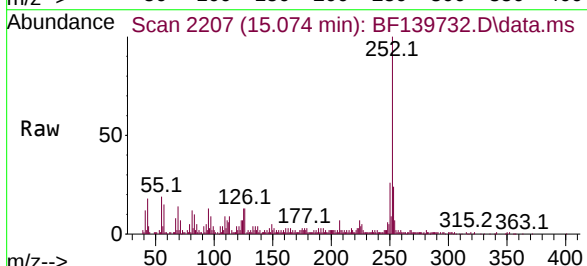
Tgt Ion:252 Resp: 80162

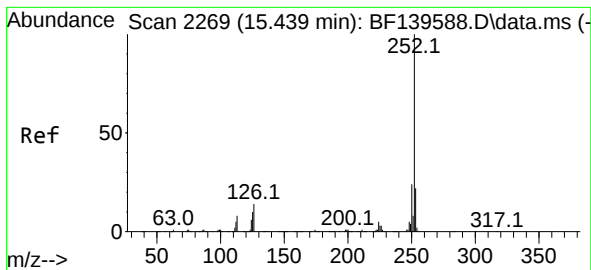
Ion Ratio Lower Upper

252 100

253 24.2 17.5 26.3

125 12.7 7.6 11.4#





#90

Benzo(a)pyrene

Concen: 5.083 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL

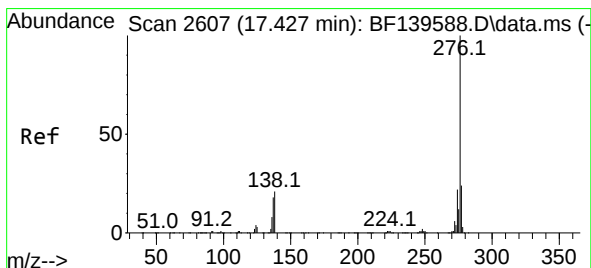
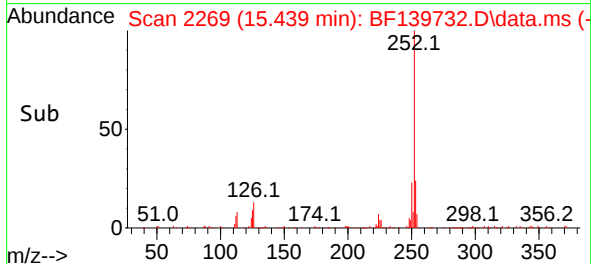
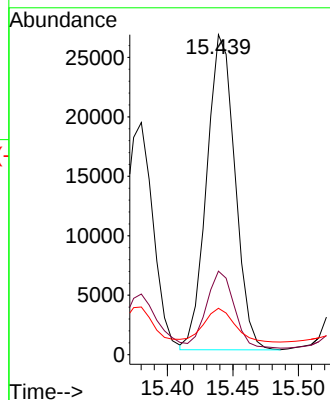
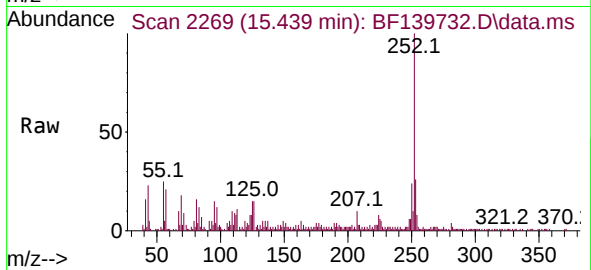
Tgt Ion:252 Resp: 39786

Ion Ratio Lower Upper

252 100

253 26.1 17.3 25.9#

125 14.5 8.3 12.5#



#92

Benzo(g,h,i)perylene

Concen: 2.665 ng

RT: 17.427 min Scan# 2607

Delta R.T. -0.000 min

Lab File: BF139732.D

Acq: 09 Oct 2024 19:54

Tgt Ion:276 Resp: 20034

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.6

138 23.0 17.0 25.6

