

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
 Data File : BF140932.D
 Acq On : 19 Dec 2024 17:49
 Operator : RC/JU
 Sample : P5343-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ281

Quant Time: Dec 20 00:08:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

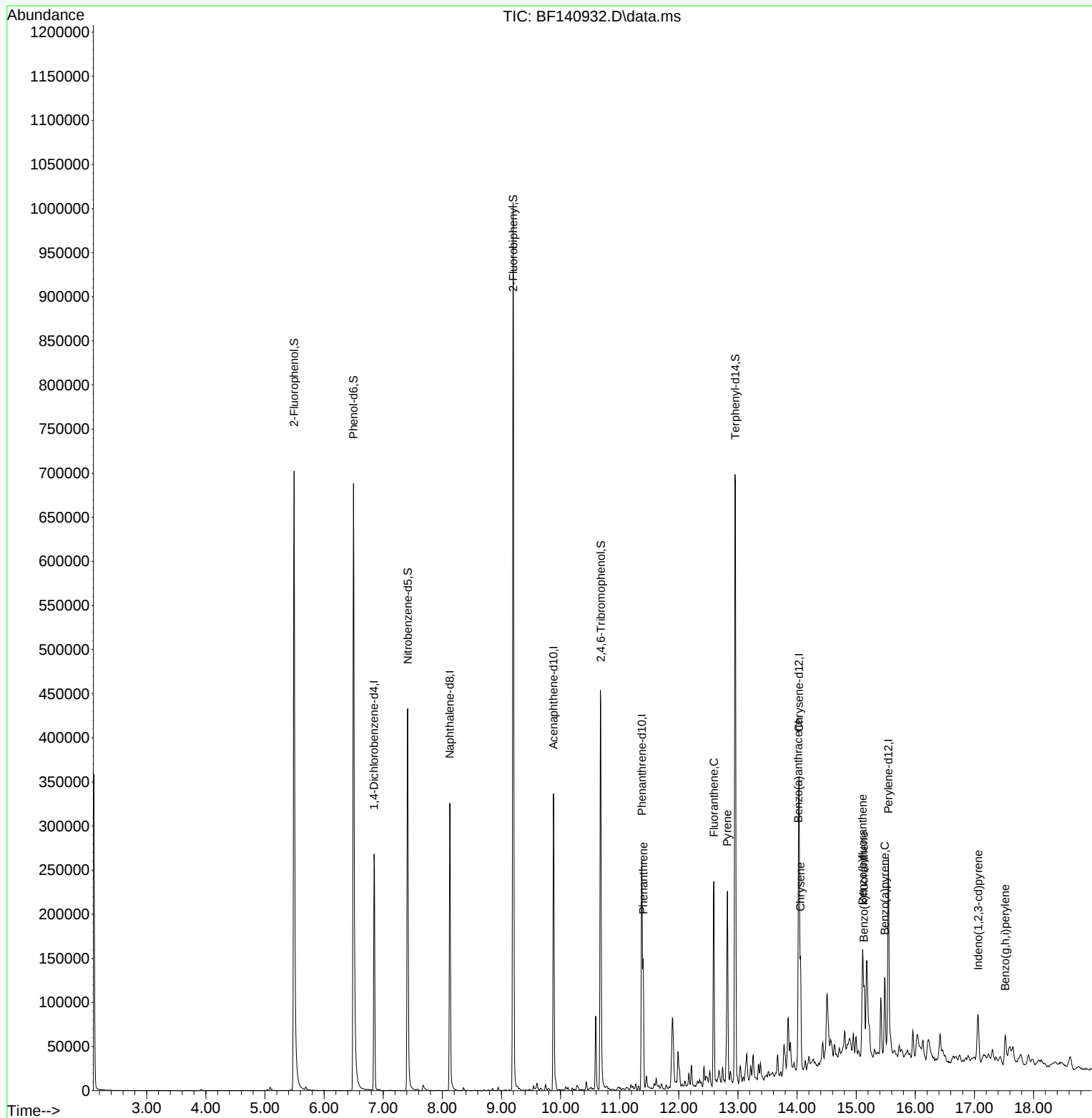
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	61957	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	218114	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	103558	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	137310	20.000	ng	0.00
76) Chrysene-d12	14.033	240	131870	20.000	ng	0.00
86) Perylene-d12	15.545	264	133263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	334118	88.774	ng	0.00
7) Phenol-d6	6.498	99	394103	79.057	ng	0.00
23) Nitrobenzene-d5	7.416	82	220056	50.477	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	89311	72.919	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	462250	61.369	ng	0.00
79) Terphenyl-d14	12.957	244	352111	42.105	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	77925	11.036	ng	99
75) Fluoranthene	12.592	202	135426	16.654	ng	99
78) Pyrene	12.822	202	128106	10.924	ng	99
81) Benzo(a)anthracene	14.021	228	60941	6.520	ng	96
83) Chrysene	14.057	228	64383	7.576	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	32846	3.950	ng	97
88) Benzo(b)fluoranthene	15.110	252	84419m	9.126	ng	
89) Benzo(k)fluoranthene	15.127	252	26189m	3.300	ng	
90) Benzo(a)pyrene	15.486	252	53987	7.453	ng	99
92) Benzo(g,h,i)perylene	17.521	276	32328	4.610	ng	99

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

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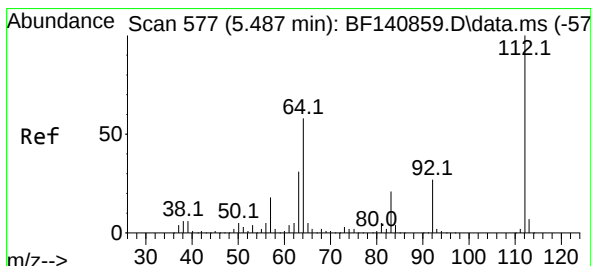
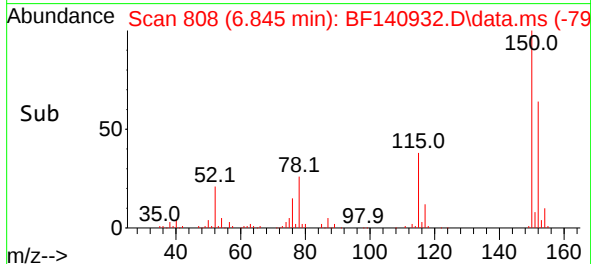
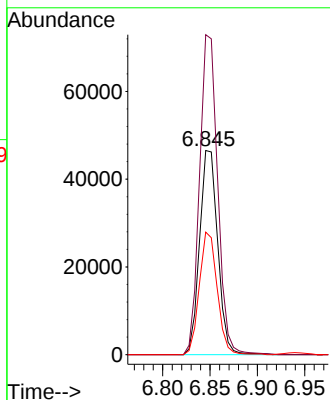
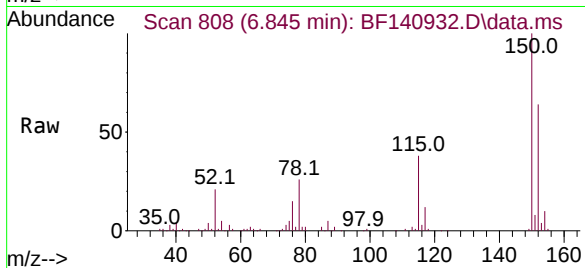




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF140932.D
Acq: 19 Dec 2024 17:49

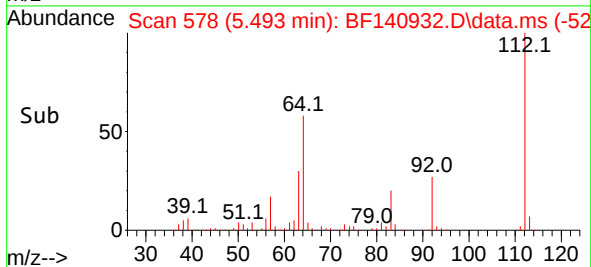
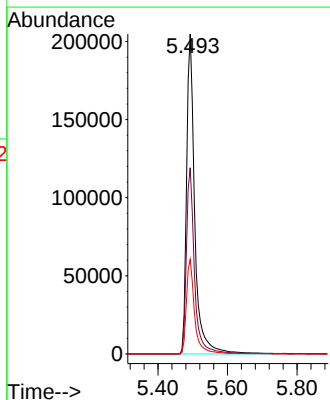
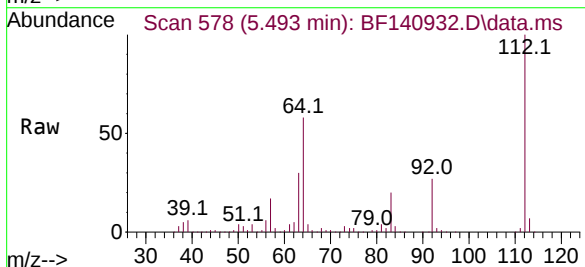
Instrument :
BNA_F
ClientSampleId :
VNJ281

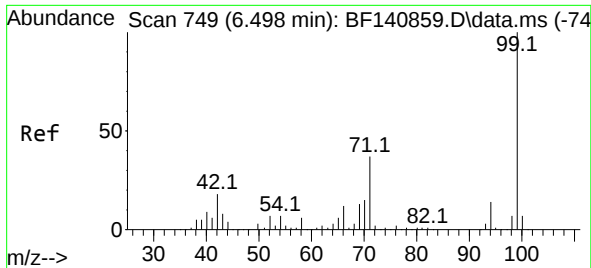
Tgt Ion:152 Resp: 61957
Ion Ratio Lower Upper
152 100
150 156.7 127.9 191.9
115 60.0 48.0 72.0



#5
2-Fluorophenol
Concen: 88.774 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140932.D
Acq: 19 Dec 2024 17:49

Tgt Ion:112 Resp: 334118
Ion Ratio Lower Upper
112 100
64 58.2 46.1 69.1
63 29.6 24.9 37.3

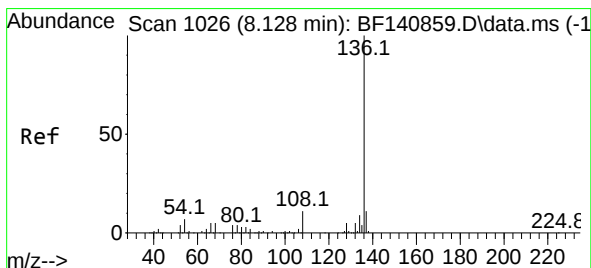
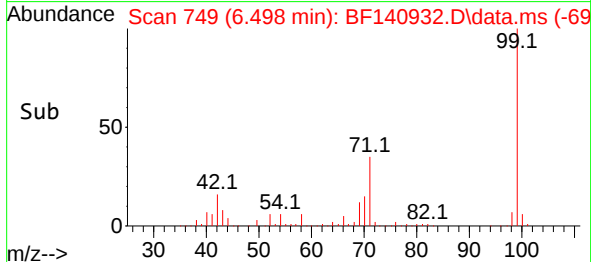
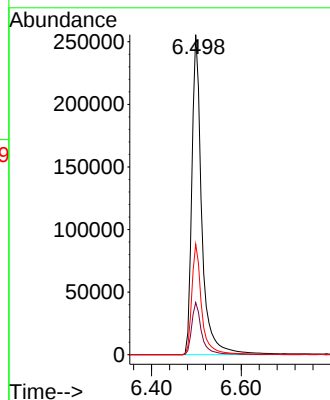
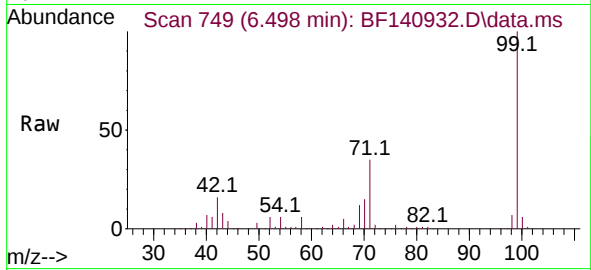




#7
Phenol-d6
Concen: 79.057 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF140932.D
Acq: 19 Dec 2024 17:49

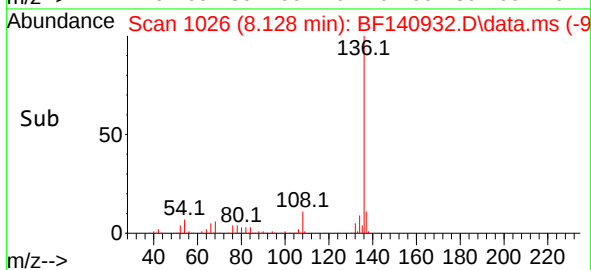
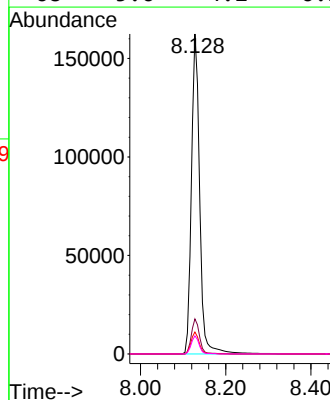
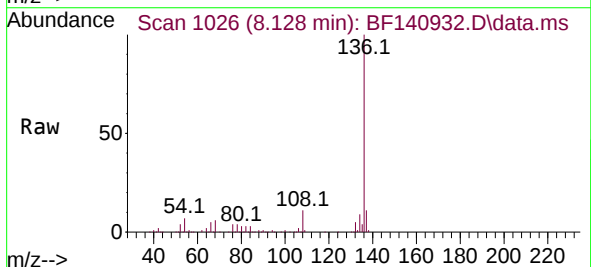
Instrument :
BNA_F
ClientSampleId :
VNJ281

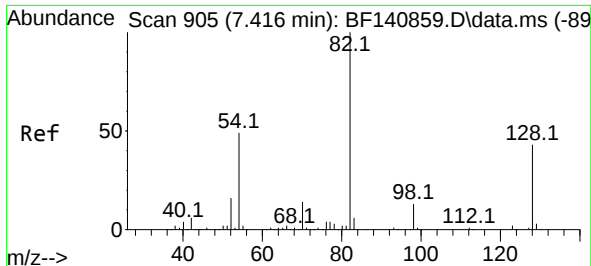
Tgt Ion:	99	Resp:	394103
Ion	Ratio	Lower	Upper
99	100		
42	16.3	14.3	21.5
71	34.6	29.9	44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140932.D
Acq: 19 Dec 2024 17:49

Tgt Ion:	136	Resp:	218114
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.9	5.6	8.4
68	5.6	4.2	6.2





#23

Nitrobenzene-d5

Concen: 50.477 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140932.D

Acq: 19 Dec 2024 17:49

Instrument :

BNA_F

ClientSampleId :

VNJ281

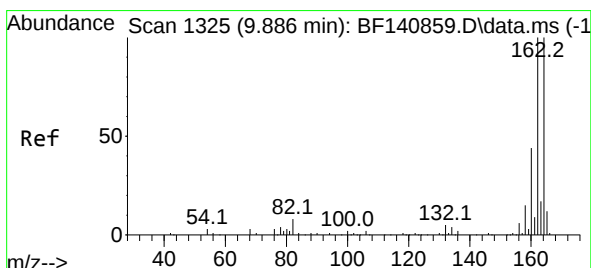
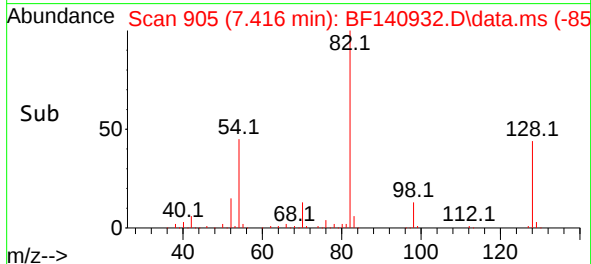
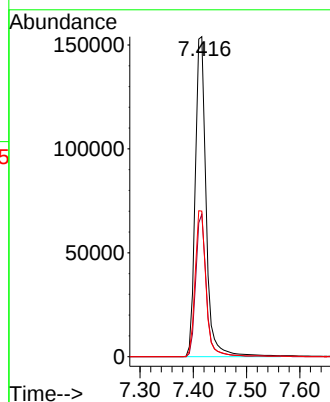
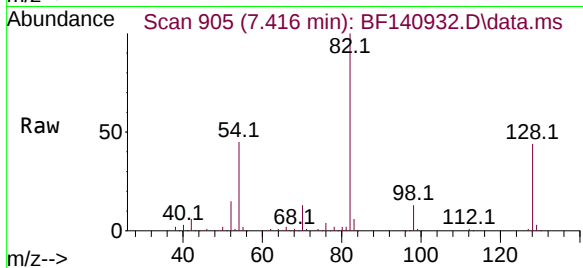
Tgt Ion: 82 Resp: 220056

Ion Ratio Lower Upper

82 100

128 44.5 34.4 51.6

54 45.5 38.8 58.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF140932.D

Acq: 19 Dec 2024 17:49

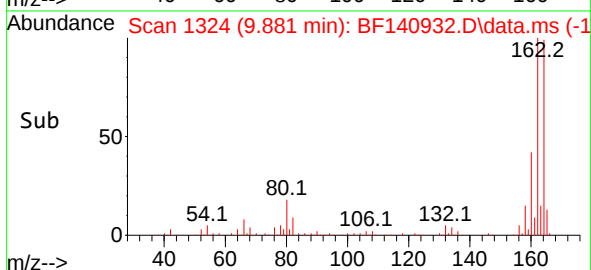
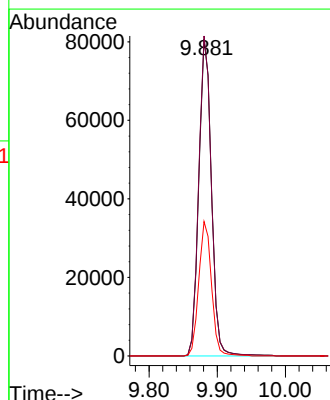
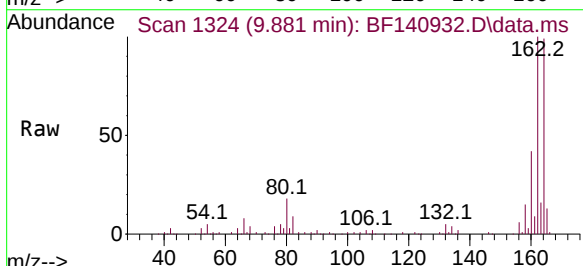
Tgt Ion:164 Resp: 103558

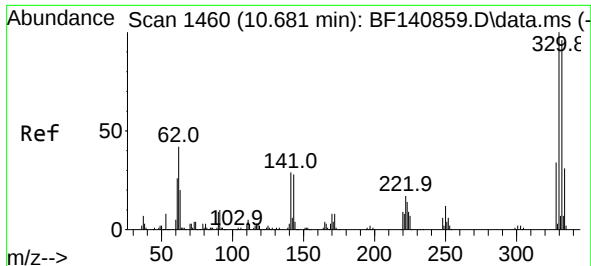
Ion Ratio Lower Upper

164 100

162 101.0 79.9 119.9

160 42.4 35.2 52.8

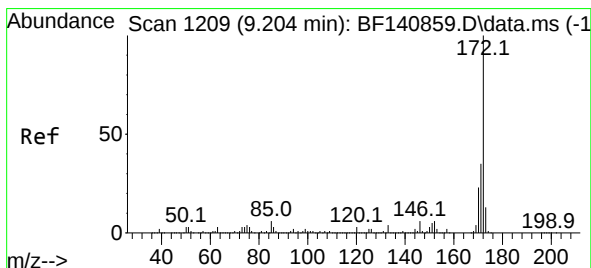
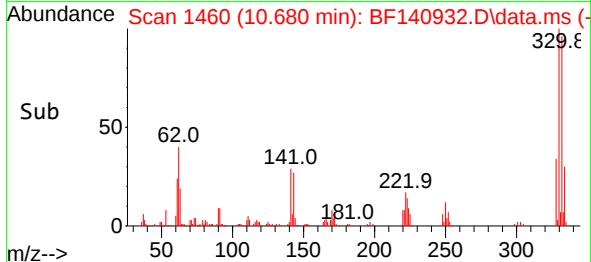
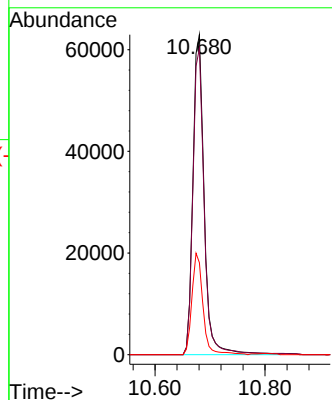
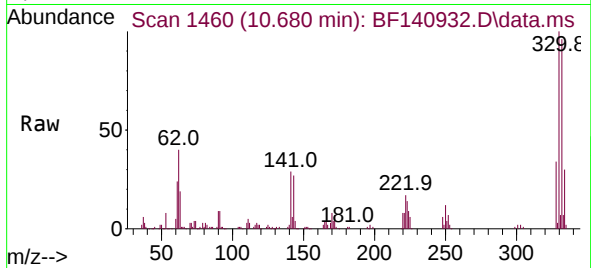




#42
 2,4,6-Tribromophenol
 Concen: 72.919 ng
 RT: 10.680 min Scan# 1460
 Delta R.T. -0.000 min
 Lab File: BF140932.D
 Acq: 19 Dec 2024 17:49

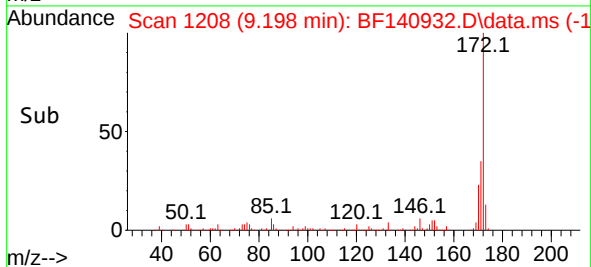
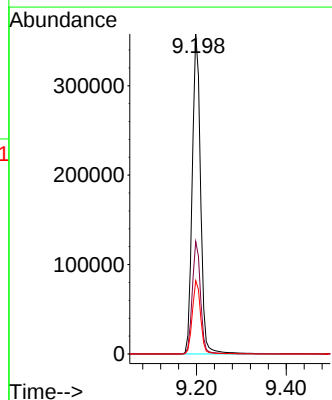
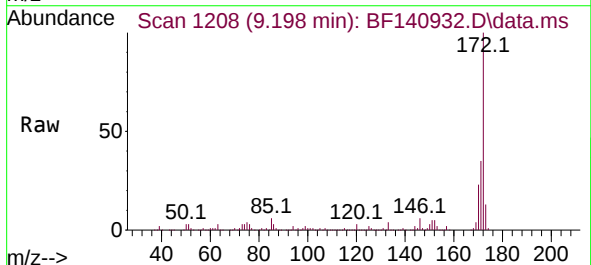
Instrument :
 BNA_F
 ClientSampleId :
 VNJ281

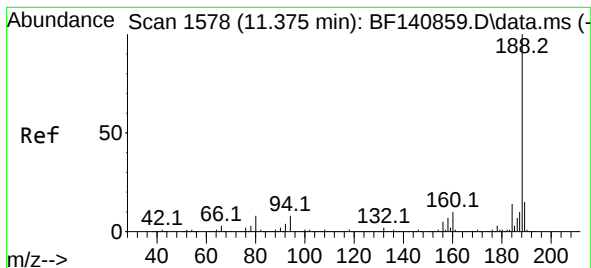
Tgt Ion:330 Resp: 89311
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.2 114.4
 141 31.2 24.9 37.3



#45
 2-Fluorobiphenyl
 Concen: 61.369 ng
 RT: 9.198 min Scan# 1208
 Delta R.T. -0.006 min
 Lab File: BF140932.D
 Acq: 19 Dec 2024 17:49

Tgt Ion:172 Resp: 462250
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.4 42.6
 170 22.9 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140932.D

Acq: 19 Dec 2024 17:49

Instrument :

BNA_F

ClientSampleId :

VNJ281

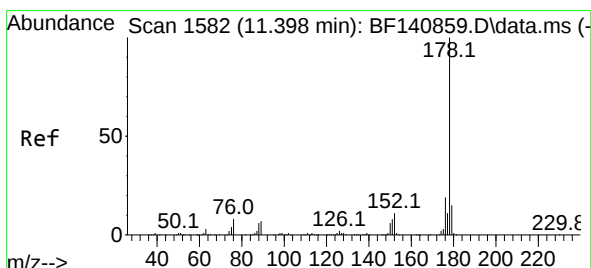
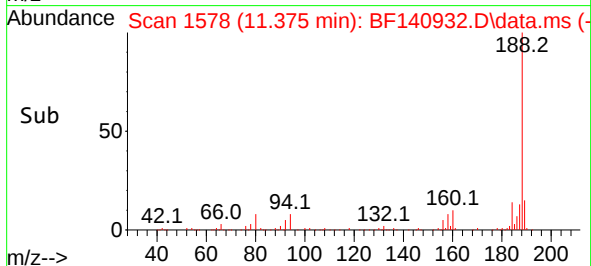
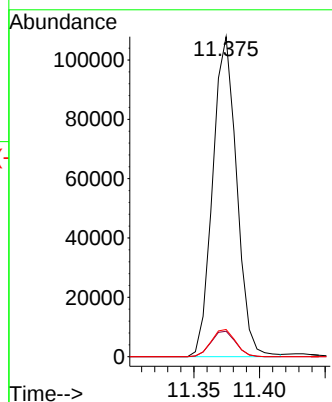
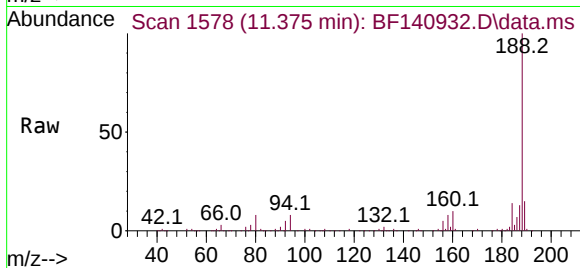
Tgt Ion:188 Resp: 137310

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 8.5 6.8 10.2



#71

Phenanthrene

Concen: 11.036 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF140932.D

Acq: 19 Dec 2024 17:49

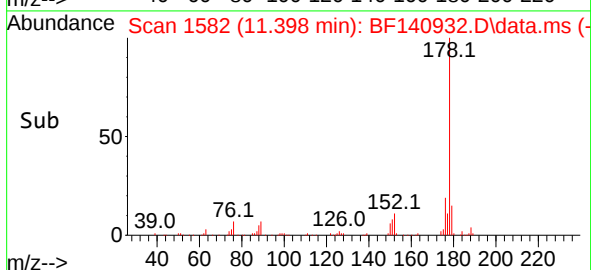
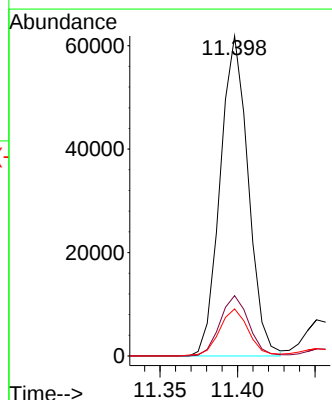
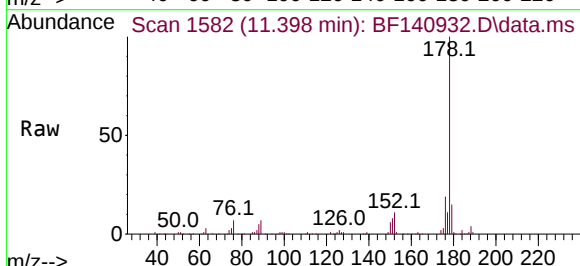
Tgt Ion:178 Resp: 77925

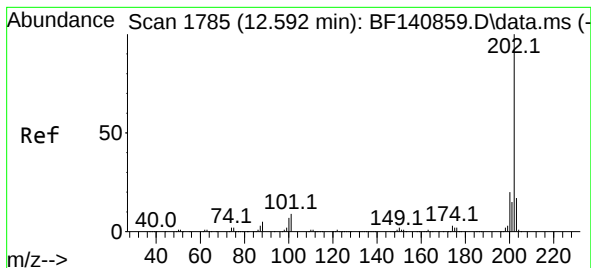
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 14.7 12.1 18.1





#75

Fluoranthene

Concen: 16.654 ng

RT: 12.592 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140932.D

Acq: 19 Dec 2024 17:49

Instrument :

BNA_F

ClientSampleId :

VNJ281

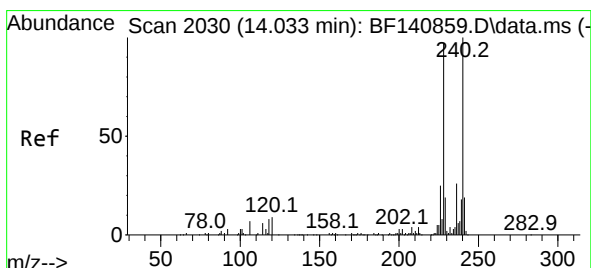
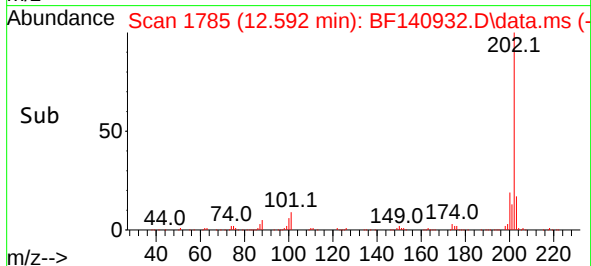
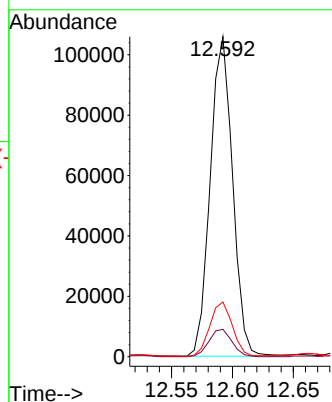
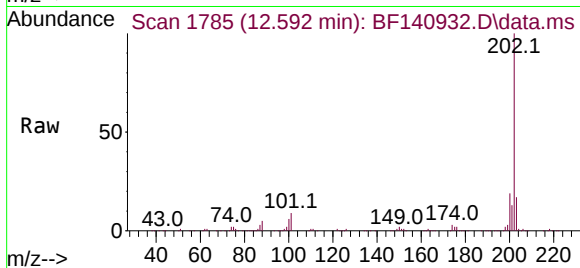
Tgt Ion:202 Resp: 135426

Ion Ratio Lower Upper

202 100

101 8.6 0.0 29.3

203 17.1 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF140932.D

Acq: 19 Dec 2024 17:49

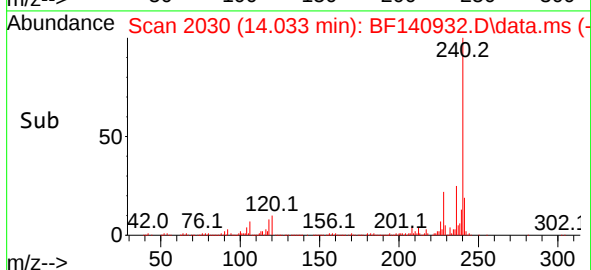
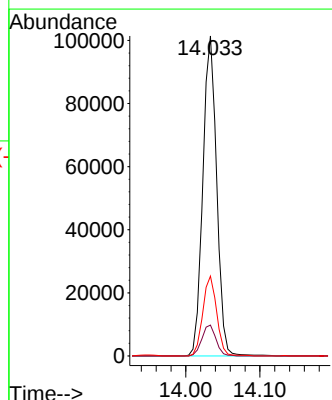
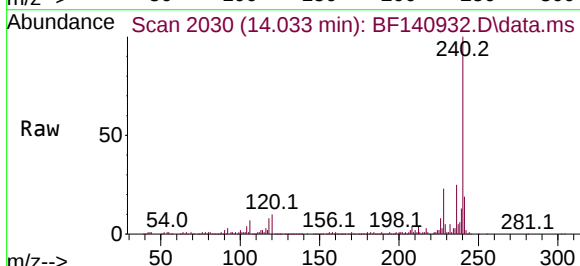
Tgt Ion:240 Resp: 131870

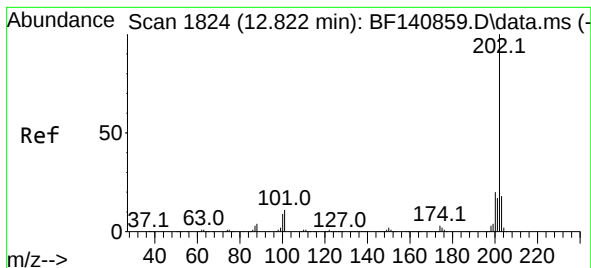
Ion Ratio Lower Upper

240 100

120 9.6 7.6 11.4

236 25.0 20.5 30.7





#78

Pyrene

Concen: 10.924 ng

RT: 12.822 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF140932.D

Acq: 19 Dec 2024 17:49

Instrument :

BNA_F

ClientSampleId :

VNJ281

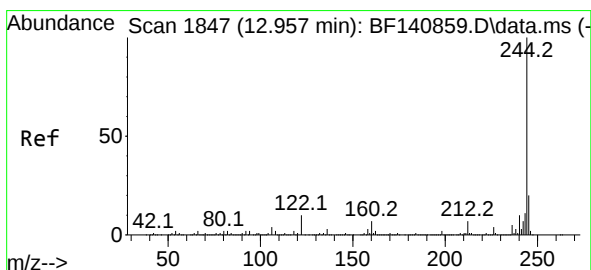
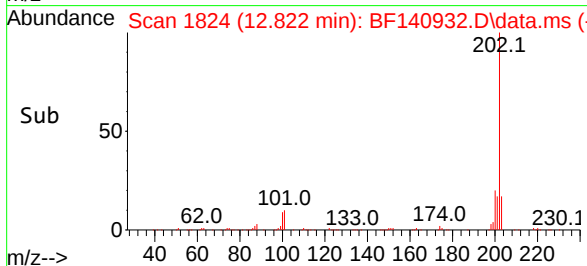
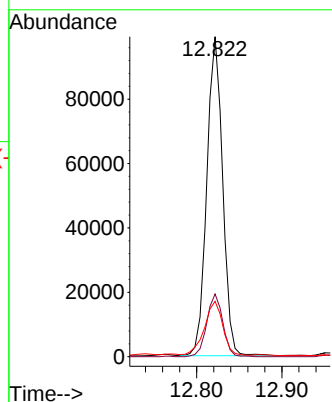
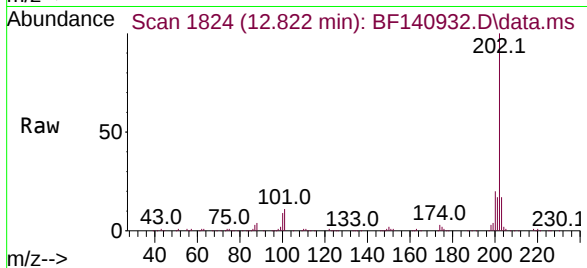
Tgt Ion:202 Resp: 128106

Ion Ratio Lower Upper

202 100

200 19.6 16.1 24.1

203 17.3 14.2 21.4



#79

Terphenyl-d14

Concen: 42.105 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF140932.D

Acq: 19 Dec 2024 17:49

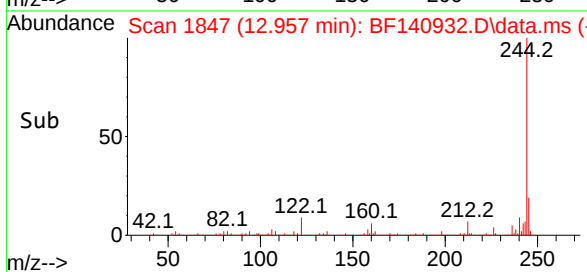
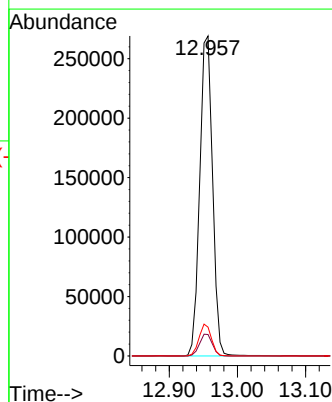
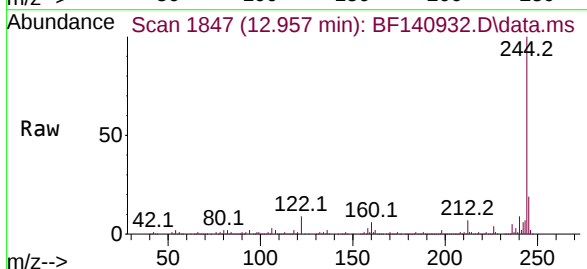
Tgt Ion:244 Resp: 352111

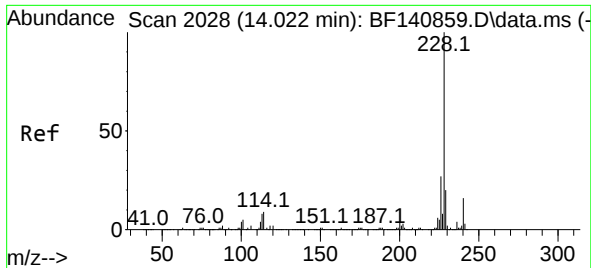
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 9.0 8.2 12.2

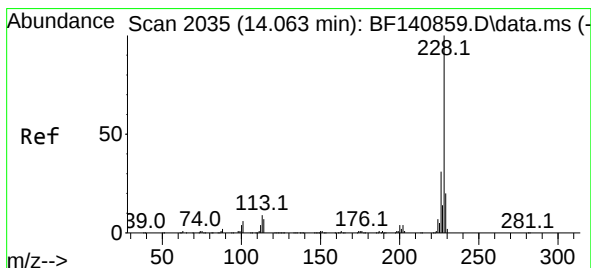
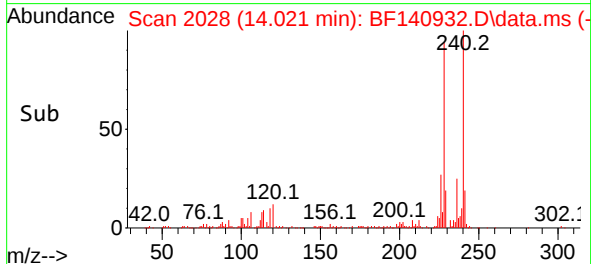
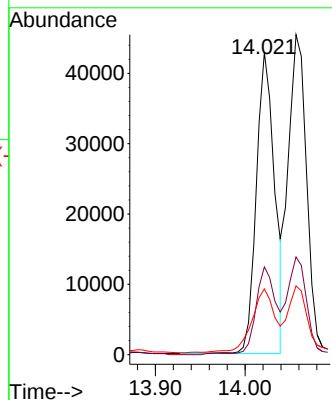
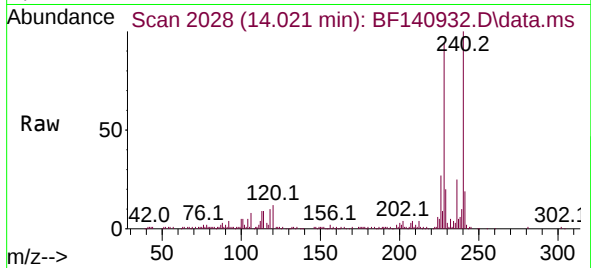




#81
Benzo(a)anthracene
Concen: 6.520 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF140932.D
Acq: 19 Dec 2024 17:49

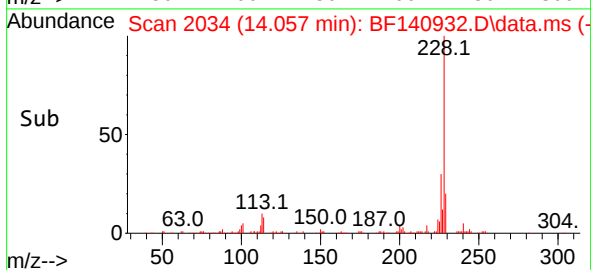
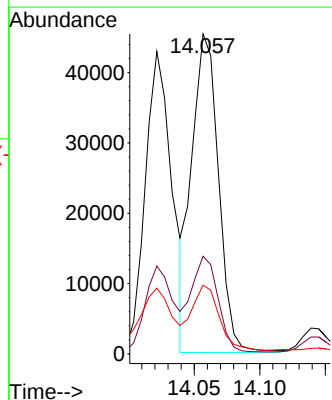
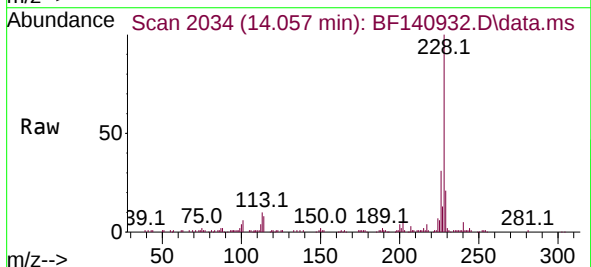
Instrument :
BNA_F
ClientSampleId :
VNJ281

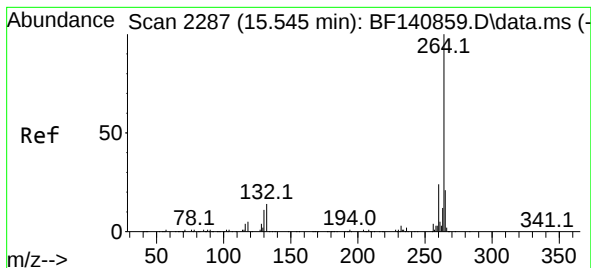
Tgt Ion:228 Resp: 60941
Ion Ratio Lower Upper
228 100
226 29.0 21.8 32.8
229 21.8 15.8 23.8



#83
Chrysene
Concen: 7.576 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF140932.D
Acq: 19 Dec 2024 17:49

Tgt Ion:228 Resp: 64383
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.5 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140932.D

Acq: 19 Dec 2024 17:49

Instrument :

BNA_F

ClientSampleId :

VNJ281

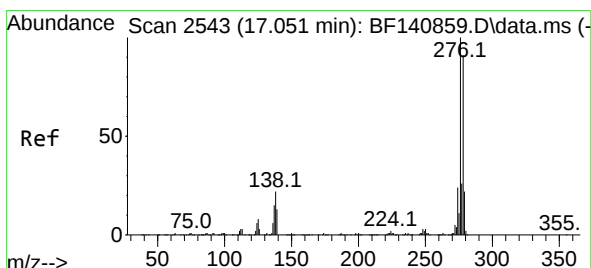
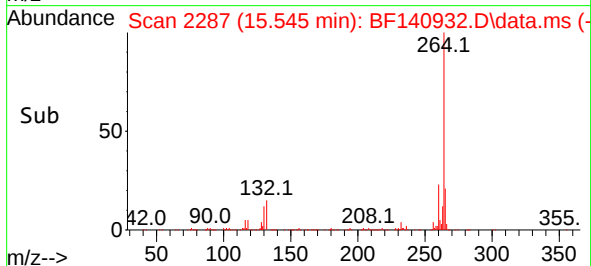
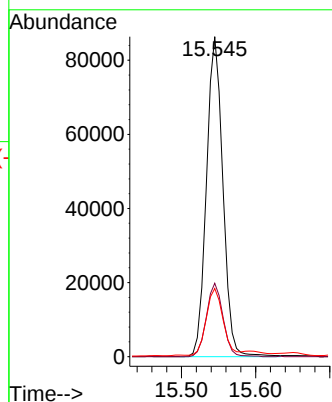
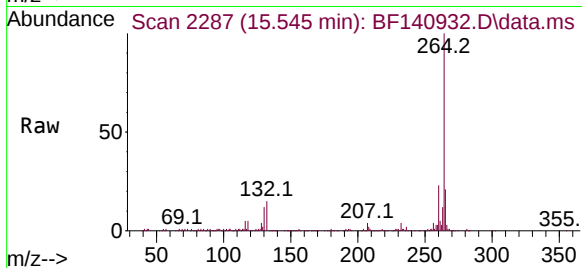
Tgt Ion:264 Resp: 133263

Ion Ratio Lower Upper

264 100

260 22.9 19.1 28.7

265 21.3 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.950 ng

RT: 17.062 min Scan# 2545

Delta R.T. 0.012 min

Lab File: BF140932.D

Acq: 19 Dec 2024 17:49

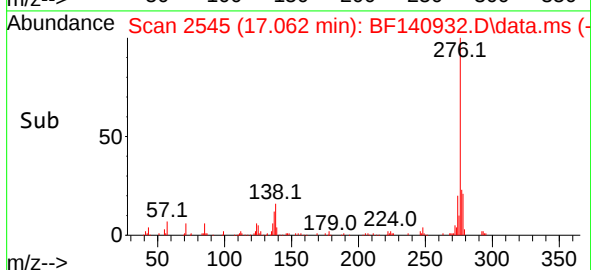
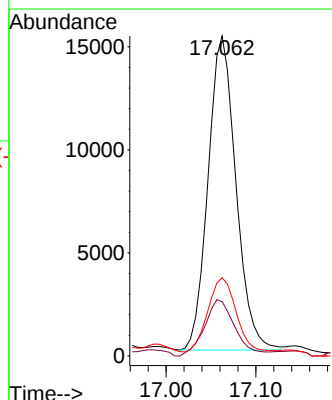
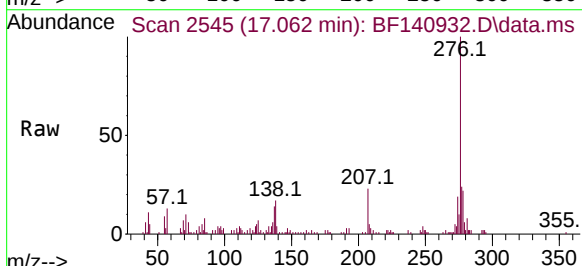
Tgt Ion:276 Resp: 32846

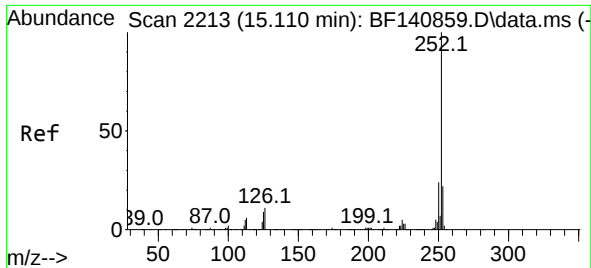
Ion Ratio Lower Upper

276 100

138 19.5 16.9 25.3

277 23.8 20.2 30.4

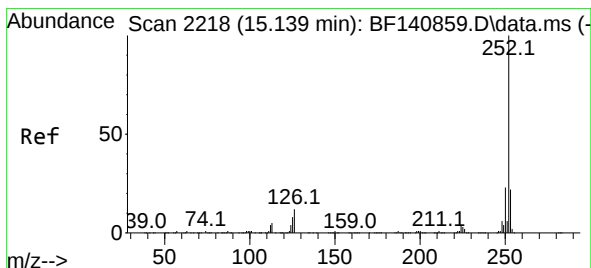
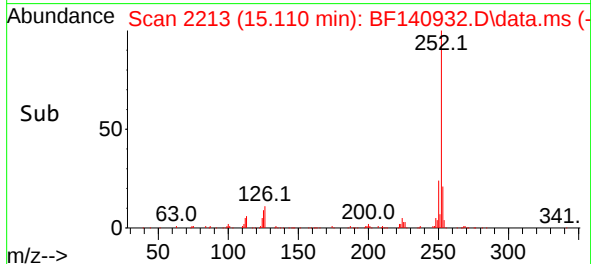
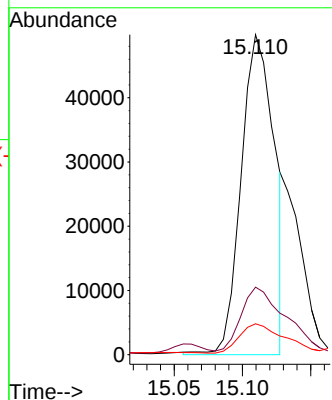
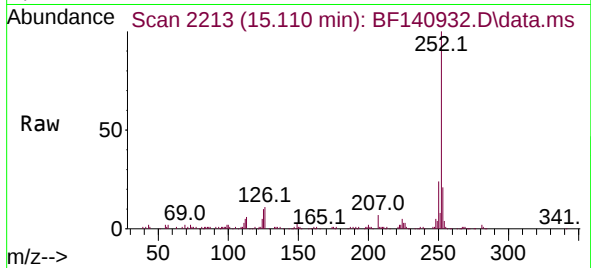




#88
Benzo(b)fluoranthene
Concen: 9.126 ng m
RT: 15.110 min Scan# 2116
Delta R.T. -0.000 min
Lab File: BF140932.D
Acq: 19 Dec 2024 17:49

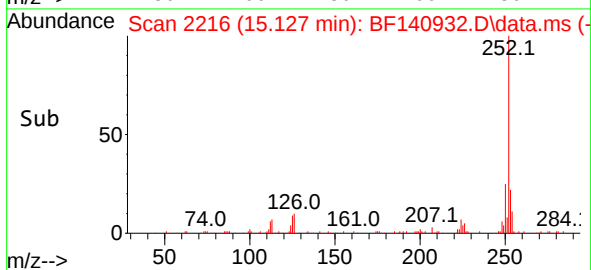
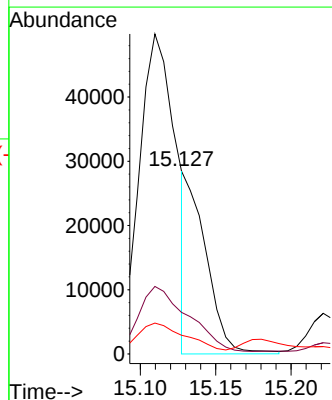
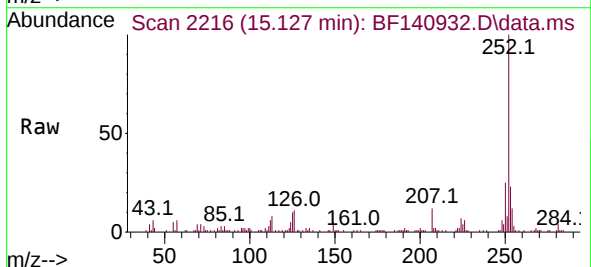
Instrument :
BNA_F
ClientSampleId :
VNJ281

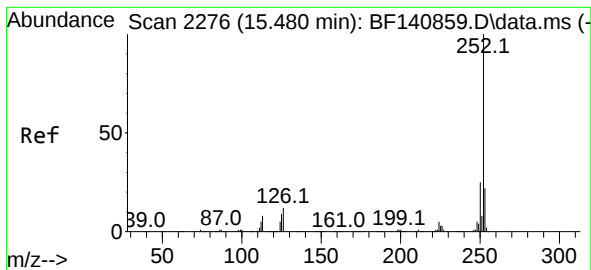
Tgt Ion:252 Resp: 84419
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.6
125 9.7 7.0 10.4



#89
Benzo(k)fluoranthene
Concen: 3.300 ng m
RT: 15.127 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF140932.D
Acq: 19 Dec 2024 17:49

Tgt Ion:252 Resp: 26189
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.3 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 7.453 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140932.D

Acq: 19 Dec 2024 17:49

Instrument :

BNA_F

ClientSampleId :

VNJ281

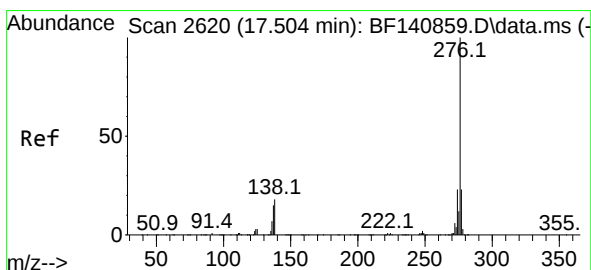
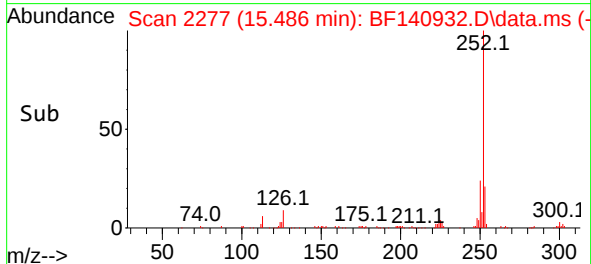
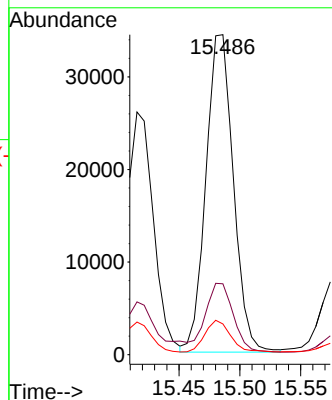
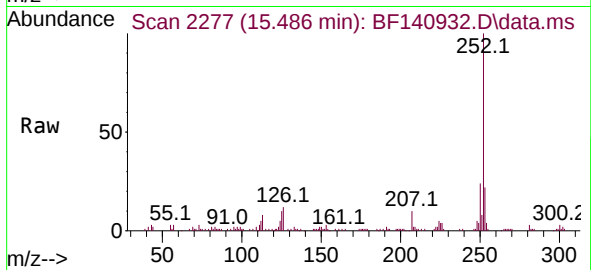
Tgt Ion:252 Resp: 53987

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.6 7.5 11.3



#92

Benzo(g,h,i)perylene

Concen: 4.610 ng

RT: 17.521 min Scan# 2623

Delta R.T. 0.018 min

Lab File: BF140932.D

Acq: 19 Dec 2024 17:49

Tgt Ion:276 Resp: 32328

Ion Ratio Lower Upper

276 100

277 24.1 18.7 28.1

138 17.8 14.2 21.2

