

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
 Data File : BF141206.D
 Acq On : 17 Jan 2025 21:11
 Operator : RC/JU
 Sample : Q1115-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Quant Time: Jan 17 23:12:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

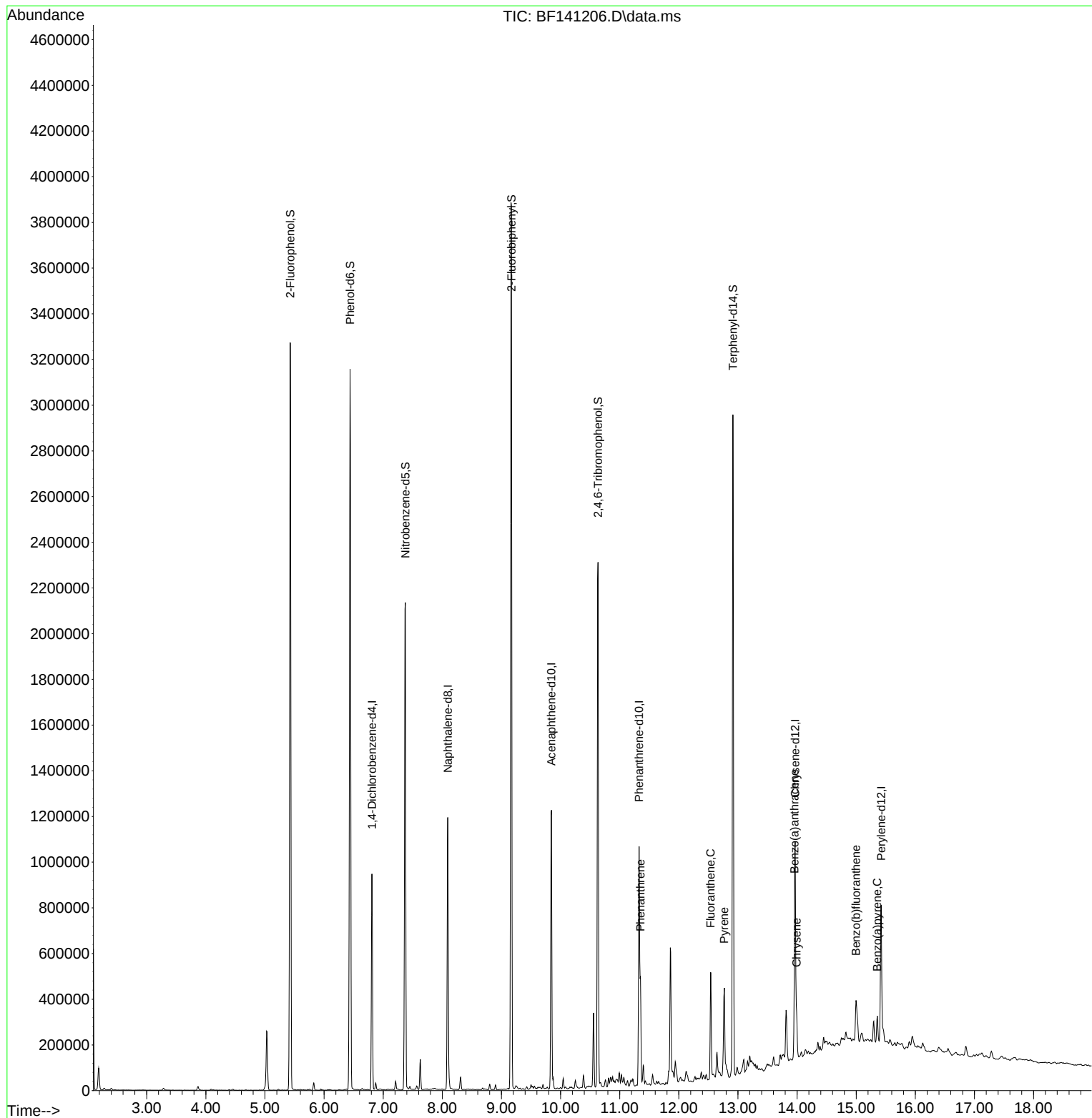
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	192388	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	744557	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	369628	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	510283	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	398272	20.000	ng	-0.02
86) Perylene-d12	15.421	264	352190	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1302296	104.569	ng	0.00
7) Phenol-d6	6.439	99	1621778	102.804	ng	0.00
23) Nitrobenzene-d5	7.375	82	1042539	74.223	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	432101	102.596	ng	-0.02
45) 2-Fluorobiphenyl	9.169	172	1785466	73.763	ng	-0.01
79) Terphenyl-d14	12.916	244	1407017	52.508	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	11.351	178	244688	8.932	ng	99
75) Fluoranthene	12.539	202	251530	9.201	ng	99
78) Pyrene	12.769	202	219651	5.774	ng	99
81) Benzo(a)anthracene	13.957	228	122734	4.528	ng	97
83) Chrysene	13.992	228	100789	3.974	ng	98
88) Benzo(b)fluoranthene	14.998	252	115299m	5.077	ng	
90) Benzo(a)pyrene	15.357	252	71854	3.835	ng	96

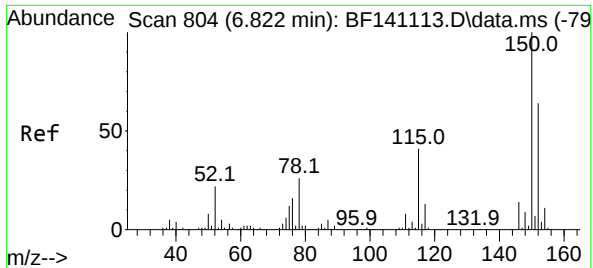
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
Data File : BF141206.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Time: Jan 17 23:12:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
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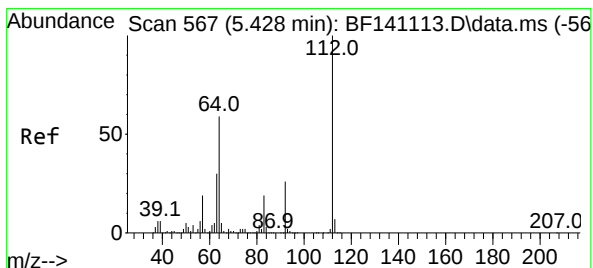
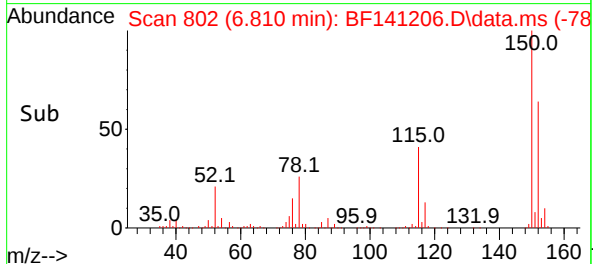
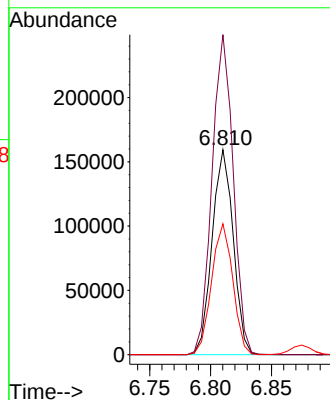
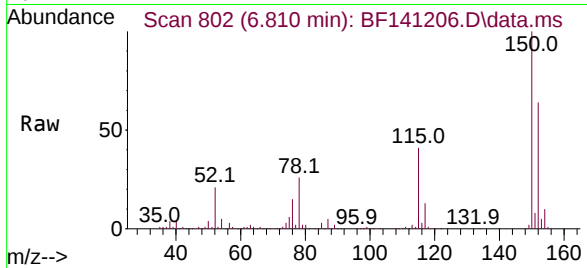




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.012 min
Lab File: BF141206.D
Acq: 17 Jan 2025 21:11

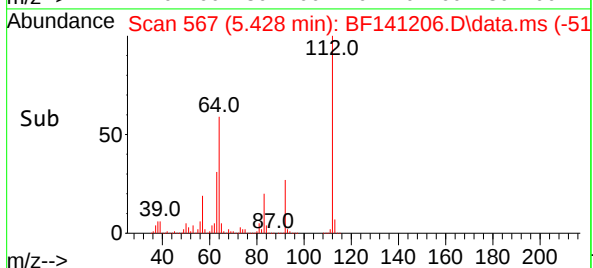
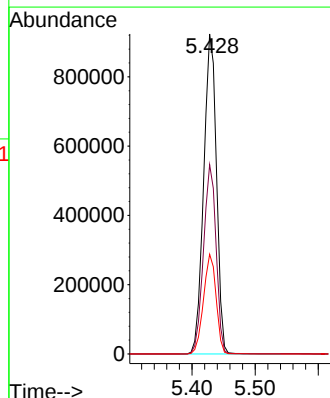
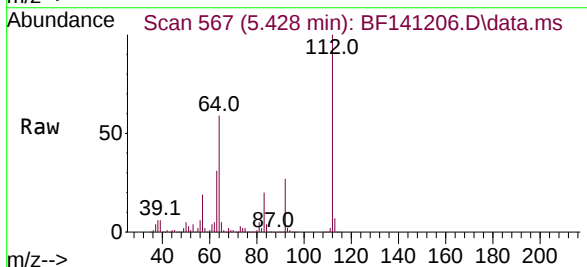
Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:152 Resp: 192388
Ion Ratio Lower Upper
152 100
150 156.1 125.8 188.8
115 63.9 51.4 77.2



#5
2-Fluorophenol
Concen: 104.569 ng
RT: 5.428 min Scan# 567
Delta R.T. -0.000 min
Lab File: BF141206.D
Acq: 17 Jan 2025 21:11

Tgt Ion:112 Resp: 1302296
Ion Ratio Lower Upper
112 100
64 59.2 47.3 70.9
63 31.2 24.2 36.2

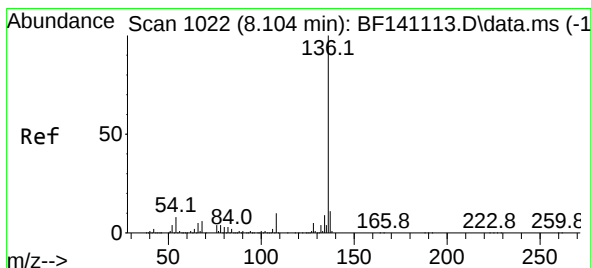
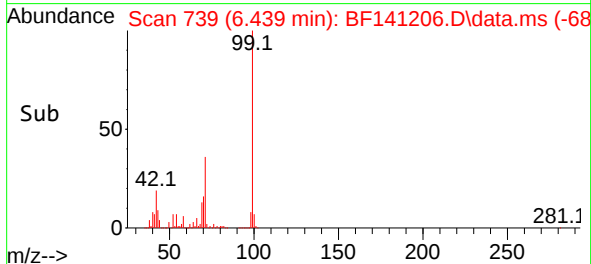
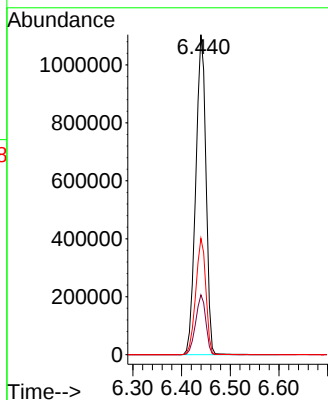
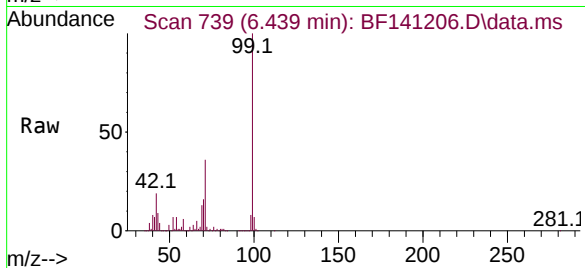




#7
Phenol-d6
Concen: 102.804 ng
RT: 6.439 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141206.D
Acq: 17 Jan 2025 21:11

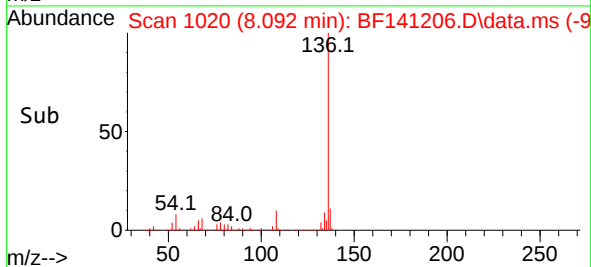
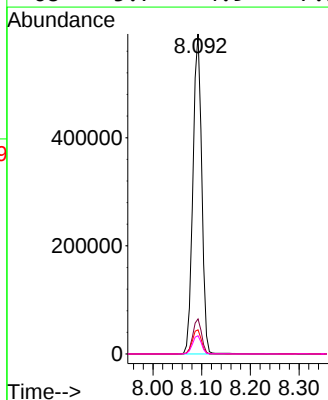
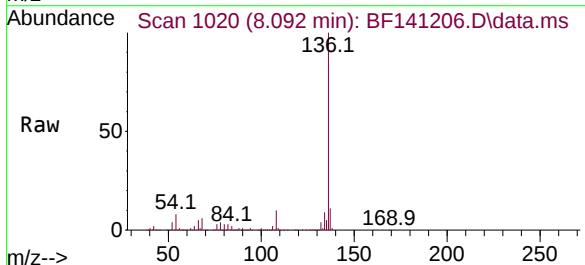
Instrument :
BNA_F
ClientSampleId :
VNJ-214

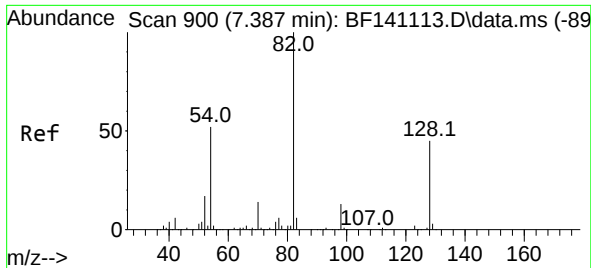
Tgt Ion: 99 Resp: 1621778
Ion Ratio Lower Upper
99 100
42 18.7 15.0 22.4
71 36.4 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141206.D
Acq: 17 Jan 2025 21:11

Tgt Ion:136 Resp: 744557
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.6 6.3 9.5
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 74.223 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141206.D

Acq: 17 Jan 2025 21:11

Instrument :

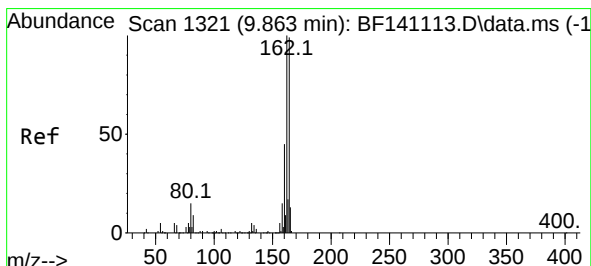
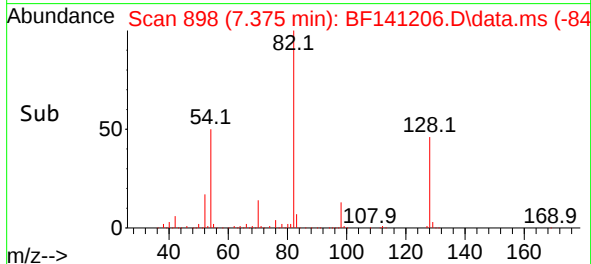
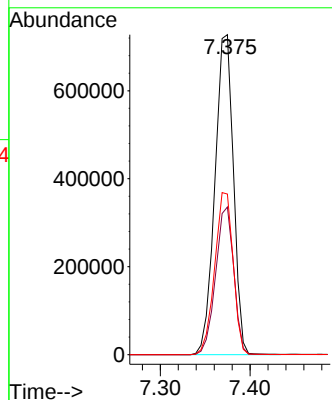
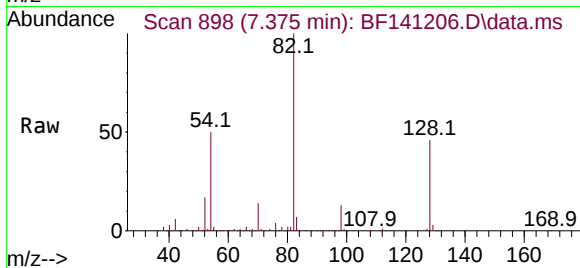
BNA_F

ClientSampleId :

VNJ-214

Tgt Ion: 82 Resp: 1042539

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	50.2	41.0	61.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1318

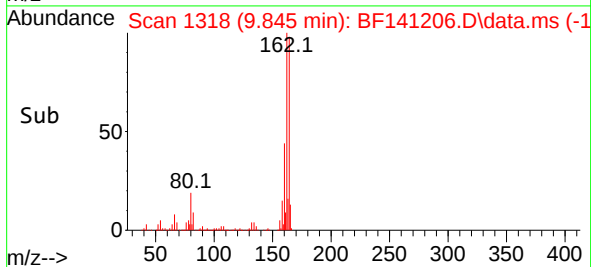
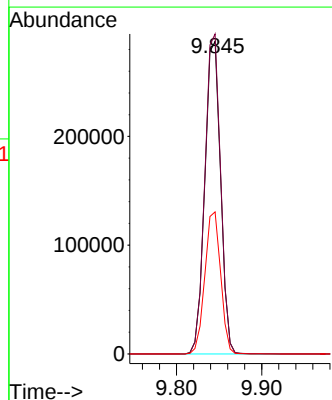
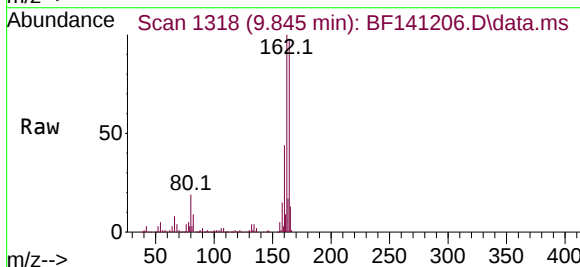
Delta R.T. -0.018 min

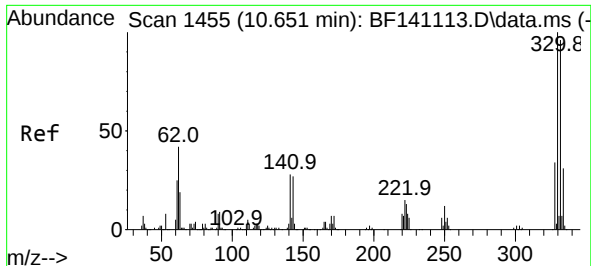
Lab File: BF141206.D

Acq: 17 Jan 2025 21:11

Tgt Ion:164 Resp: 369628

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.0	121.4
160	45.4	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 102.596 ng

RT: 10.633 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF141206.D

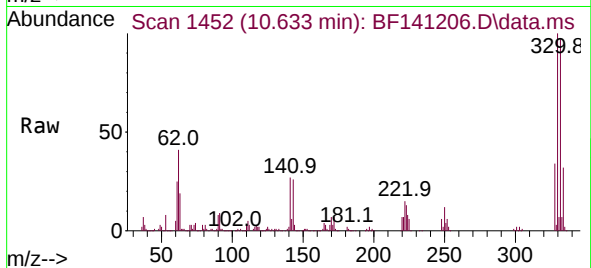
Acq: 17 Jan 2025 21:11

Instrument :

BNA_F

ClientSampleId :

VNJ-214



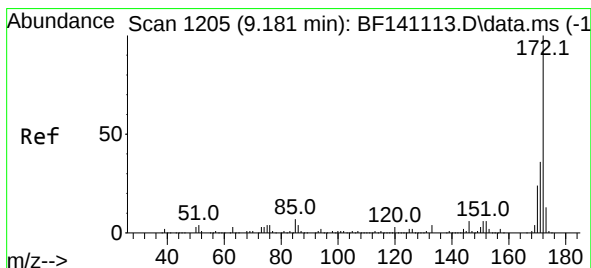
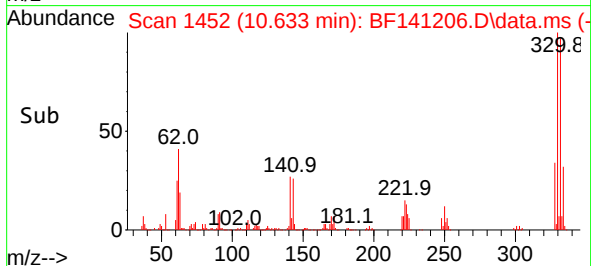
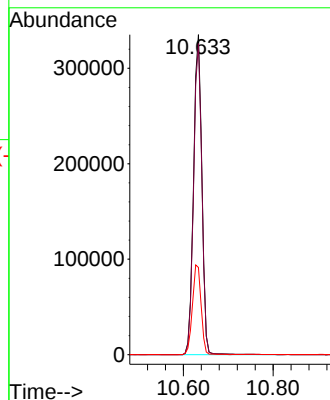
Tgt Ion:330 Resp: 432101

Ion Ratio Lower Upper

330 100

332 96.7 76.9 115.3

141 29.3 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 73.763 ng

RT: 9.169 min Scan# 1203

Delta R.T. -0.012 min

Lab File: BF141206.D

Acq: 17 Jan 2025 21:11

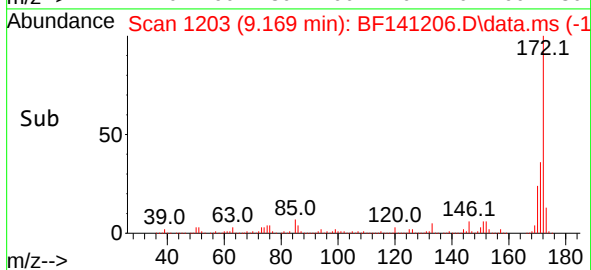
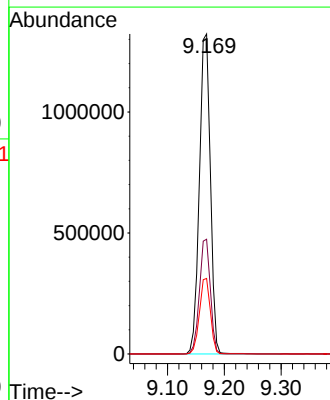
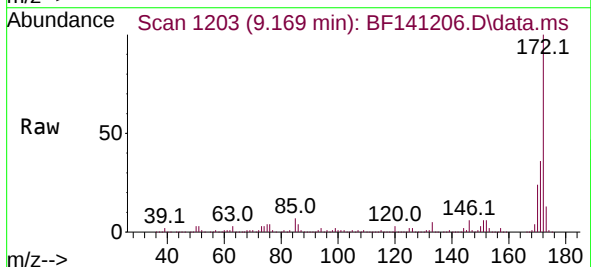
Tgt Ion:172 Resp: 1785466

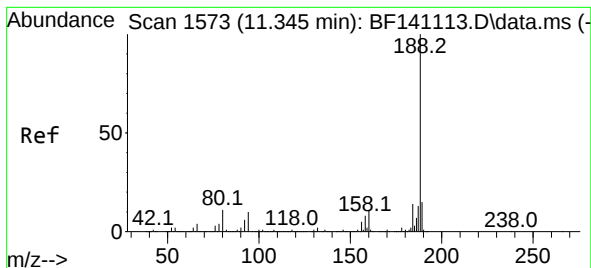
Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.6 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141206.D

Acq: 17 Jan 2025 21:11

Instrument :

BNA_F

ClientSampleId :

VNJ-214

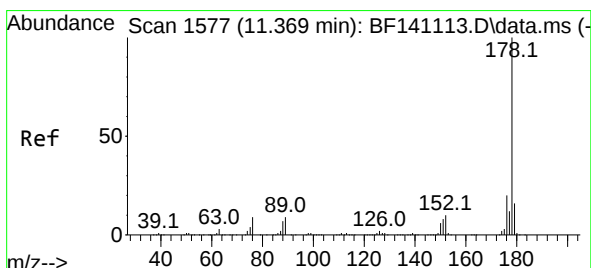
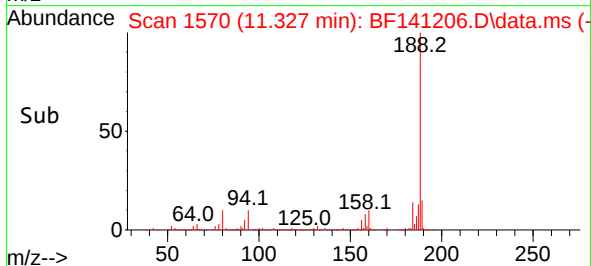
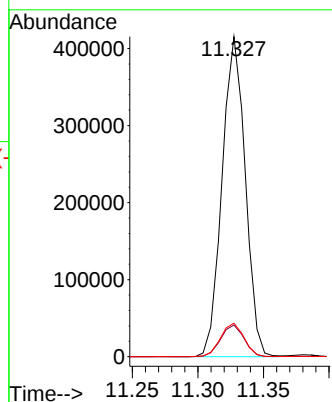
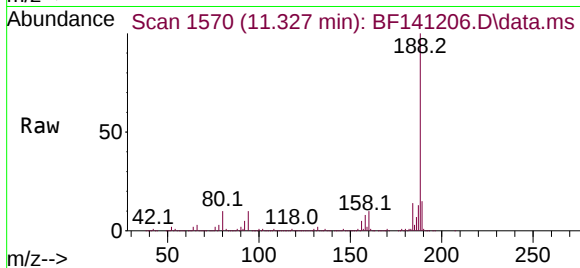
Tgt Ion:188 Resp: 510283

Ion Ratio Lower Upper

188 100

94 9.9 8.3 12.5

80 10.5 9.0 13.4



#71

Phenanthrene

Concen: 8.932 ng

RT: 11.351 min Scan# 1574

Delta R.T. -0.018 min

Lab File: BF141206.D

Acq: 17 Jan 2025 21:11

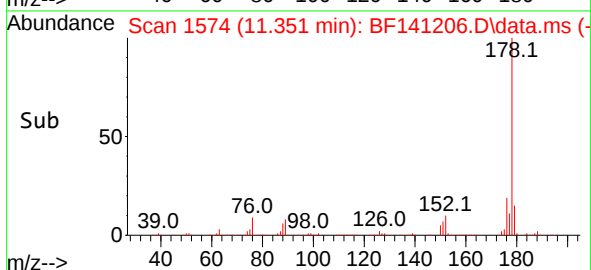
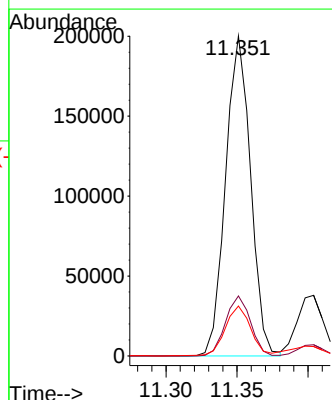
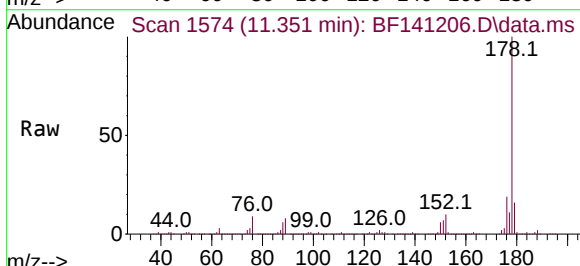
Tgt Ion:178 Resp: 244688

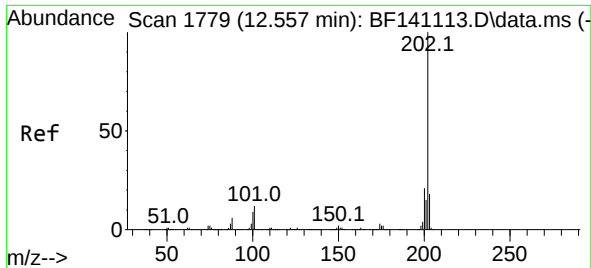
Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

179 15.6 12.6 19.0

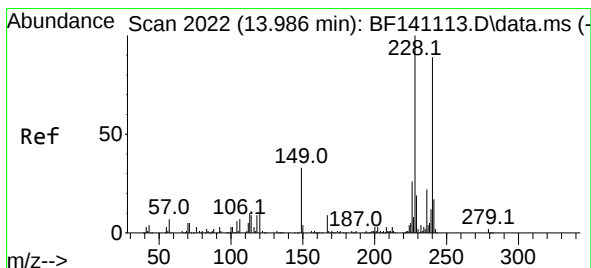
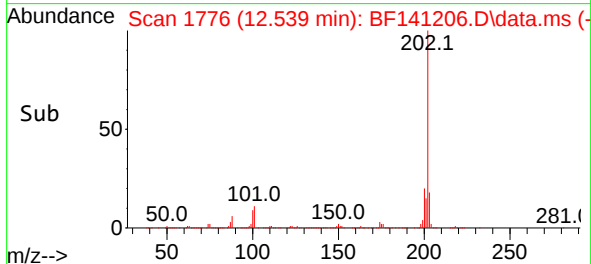
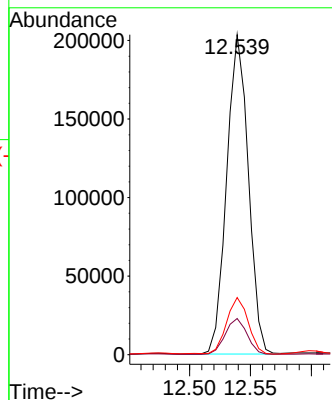
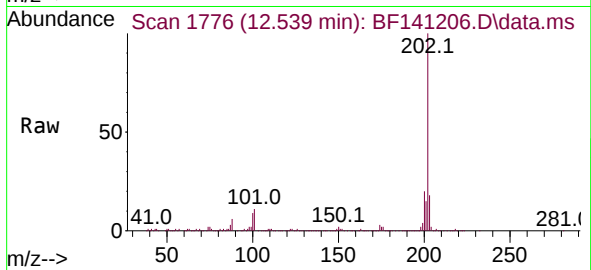




#75
Fluoranthene
Concen: 9.201 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141206.D
Acq: 17 Jan 2025 21:11

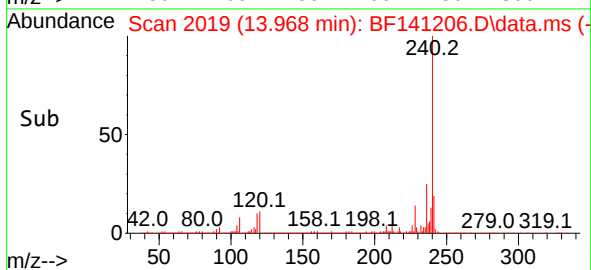
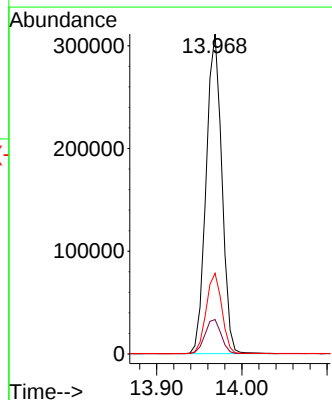
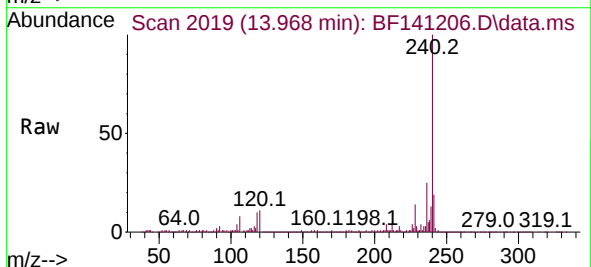
Instrument :
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VNJ-214

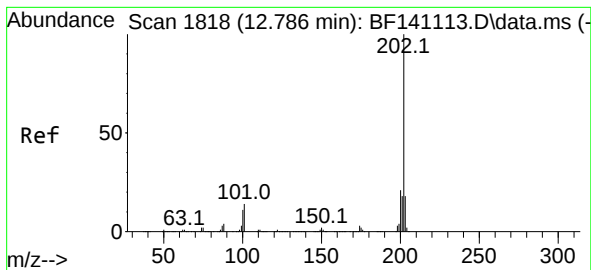
Tgt Ion:202 Resp: 251530
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.3
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141206.D
Acq: 17 Jan 2025 21:11

Tgt Ion:240 Resp: 398272
Ion Ratio Lower Upper
240 100
120 10.8 9.1 13.7
236 25.2 19.8 29.6





#78

Pyrene

Concen: 5.774 ng

RT: 12.769 min Scan# 1815

Delta R.T. -0.018 min

Lab File: BF141206.D

Acq: 17 Jan 2025 21:11

Instrument :

BNA_F

ClientSampleId :

VNJ-214

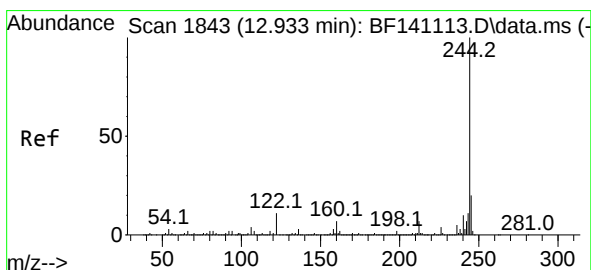
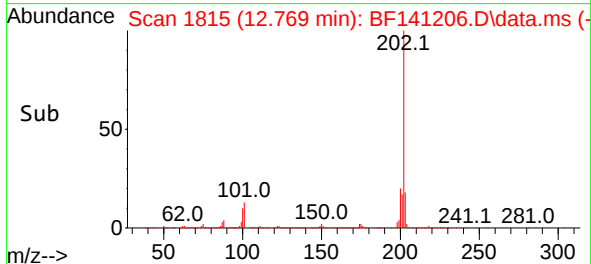
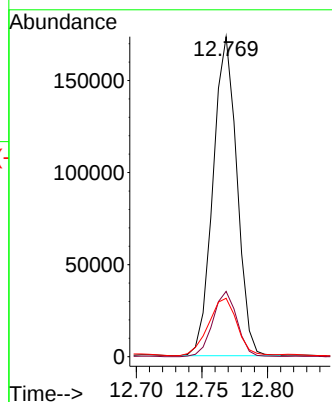
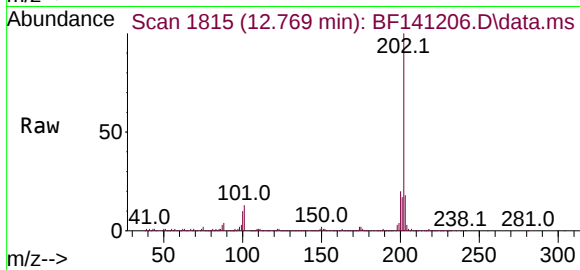
Tgt Ion:202 Resp: 219651

Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

203 18.3 14.3 21.5



#79

Terphenyl-d14

Concen: 52.508 ng

RT: 12.916 min Scan# 1840

Delta R.T. -0.018 min

Lab File: BF141206.D

Acq: 17 Jan 2025 21:11

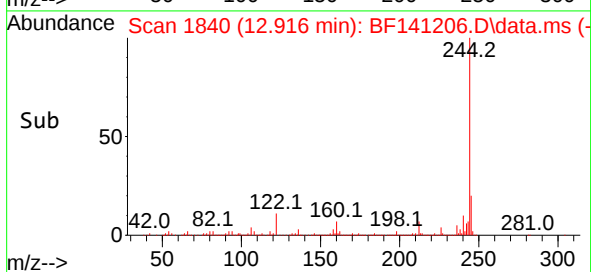
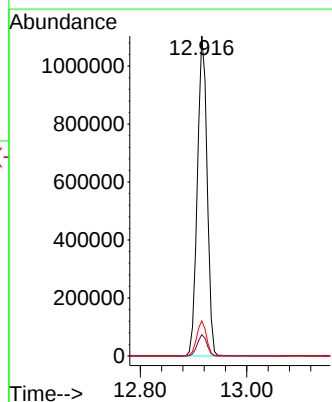
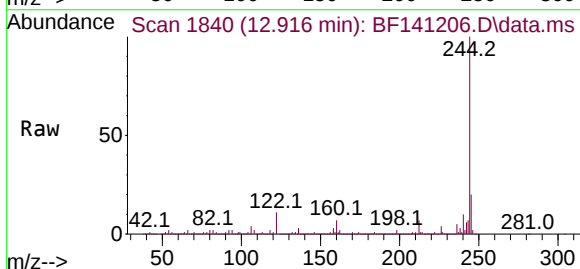
Tgt Ion:244 Resp: 1407017

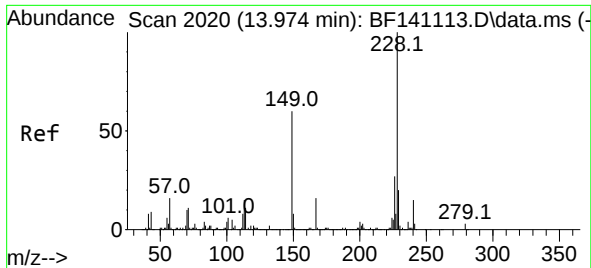
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.9 8.8 13.2

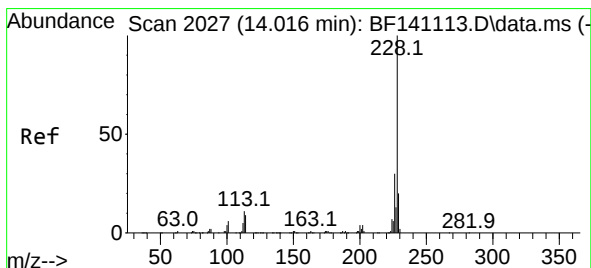
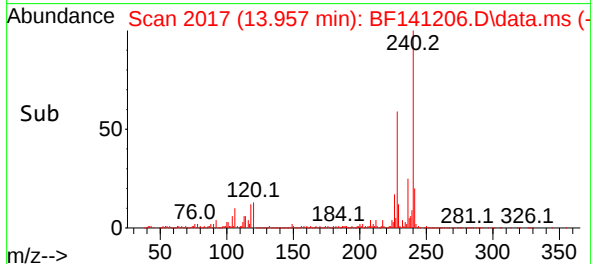
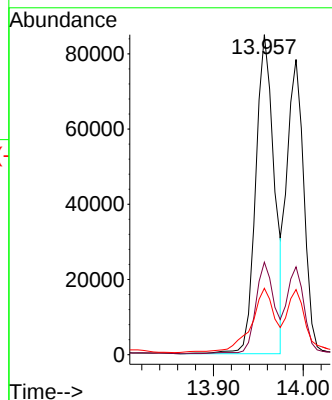
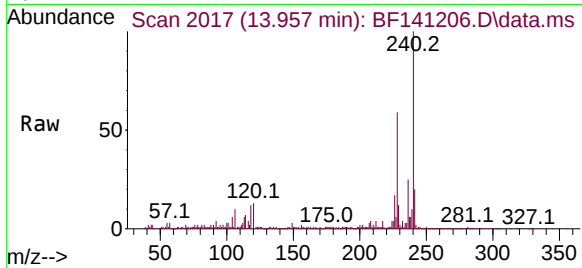




#81
Benzo(a)anthracene
Concen: 4.528 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF141206.D
Acq: 17 Jan 2025 21:11

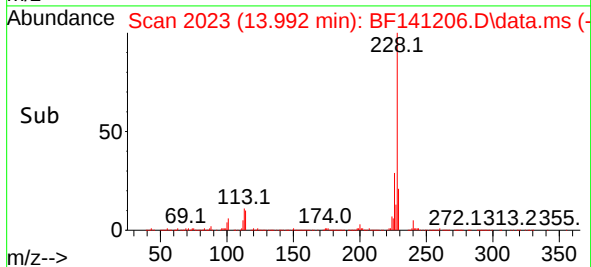
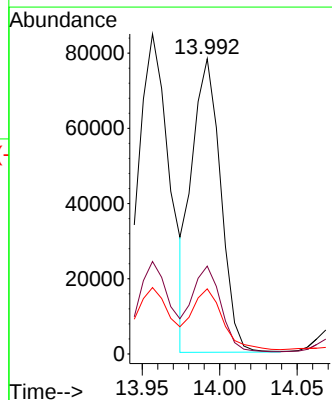
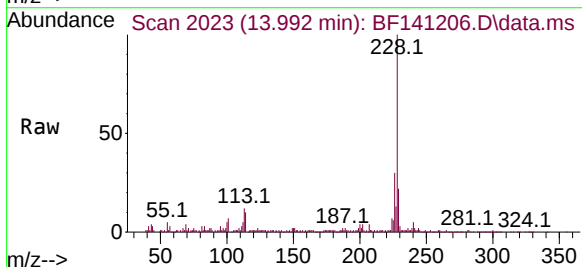
Instrument :
BNA_F
ClientSampleId :
VNJ-214

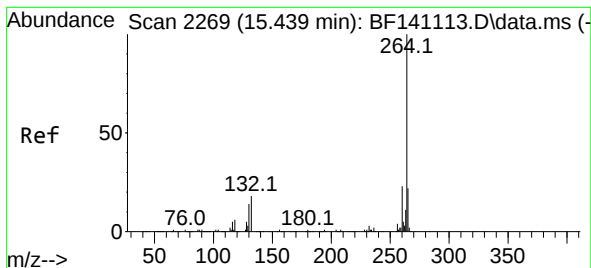
Tgt Ion:228 Resp: 122734
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 20.8 15.7 23.5



#83
Chrysene
Concen: 3.974 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.024 min
Lab File: BF141206.D
Acq: 17 Jan 2025 21:11

Tgt Ion:228 Resp: 100789
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.8
229 22.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2194

Delta R.T. -0.018 min

Lab File: BF141206.D

Acq: 17 Jan 2025 21:11

Instrument :

BNA_F

ClientSampleId :

VNJ-214

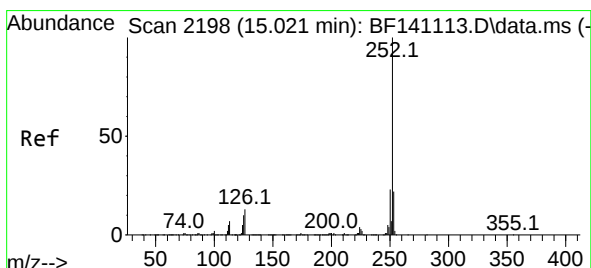
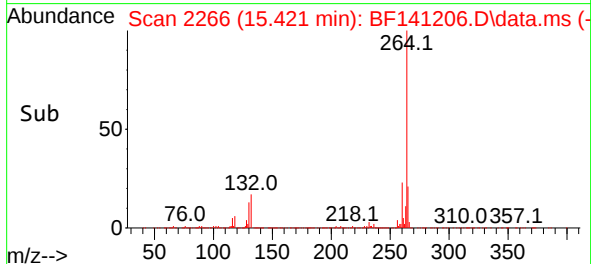
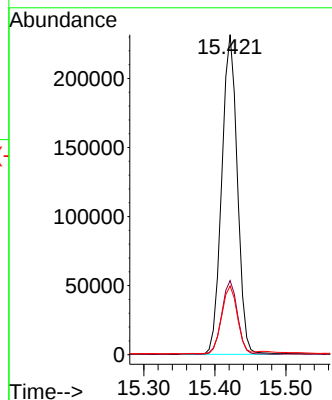
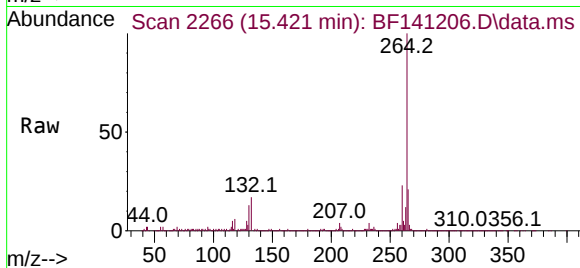
Tgt Ion:264 Resp: 352190

Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 21.4 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 5.077 ng m

RT: 14.998 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF141206.D

Acq: 17 Jan 2025 21:11

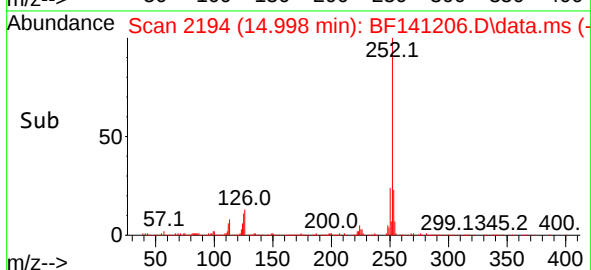
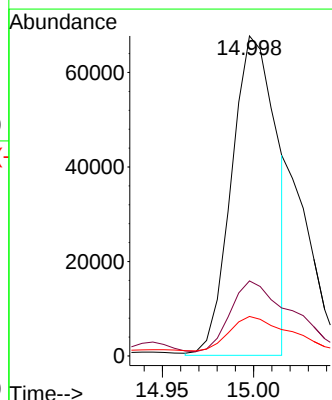
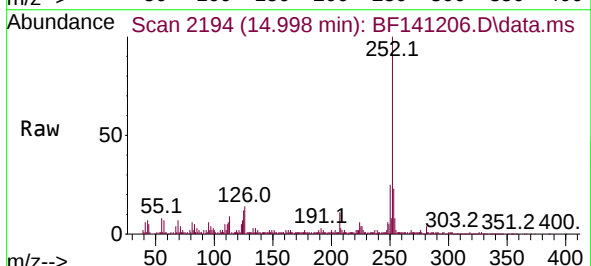
Tgt Ion:252 Resp: 115299

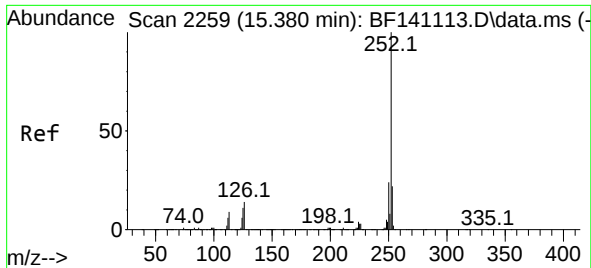
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

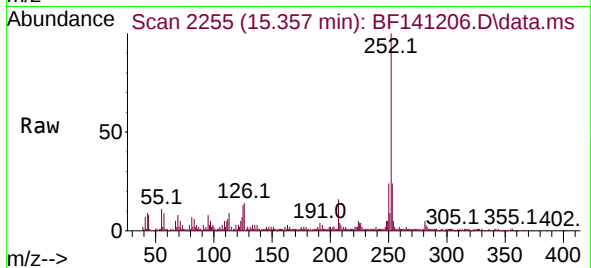
125 12.4 8.1 12.1#





#90
Benzo(a)pyrene
Concen: 3.835 ng
RT: 15.357 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141206.D
Acq: 17 Jan 2025 21:11

Instrument :
BNA_F
ClientSampleId :
VNJ-214



Tgt Ion:252 Resp: 71854
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 12.9 9.1 13.7

