

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
 Data File : BF143934.D
 Acq On : 13 Oct 2025 16:05
 Operator : RC/JU
 Sample : Q3323-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED-04-0-2

Quant Time: Oct 13 17:20:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

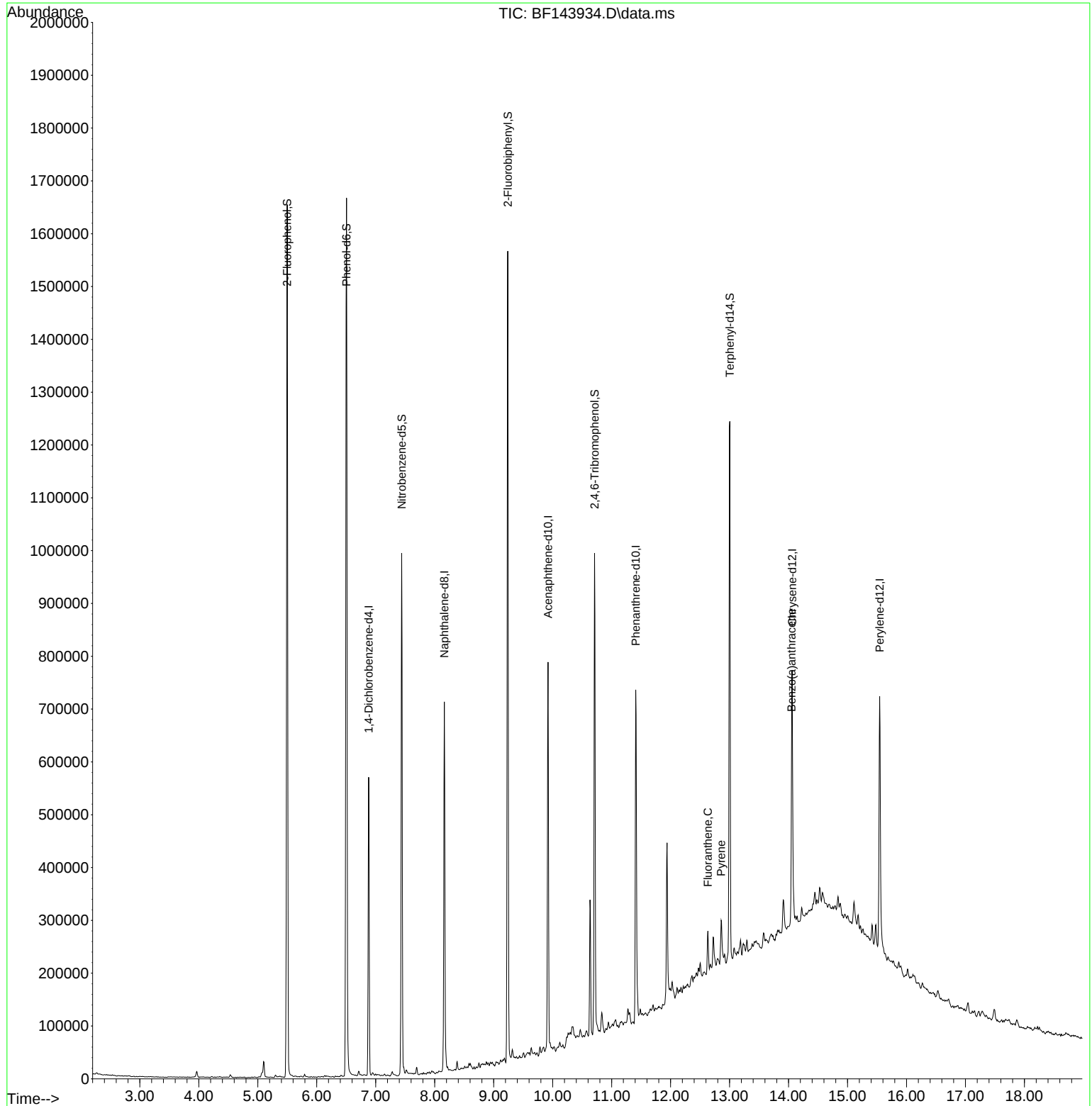
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	113226	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	427226	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	219740	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	335261	20.000	ng	0.00
76) Chrysene-d12	14.063	240	243631	20.000	ng	0.00
86) Perylene-d12	15.545	264	311711	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	626359	87.846	ng	0.00
7) Phenol-d6	6.504	99	752882	88.586	ng	-0.01
23) Nitrobenzene-d5	7.440	82	409132	58.182	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	174794	79.864	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	720409	52.021	ng	-0.01
79) Terphenyl-d14	13.004	244	555513	38.969	ng	0.00
Target Compounds						
75) Fluoranthene	12.633	202	39857	2.374	ng	Qvalue 97
78) Pyrene	12.857	202	48664	2.396	ng	97
81) Benzo(a)anthracene	14.051	228	34031	2.134	ng	# 80

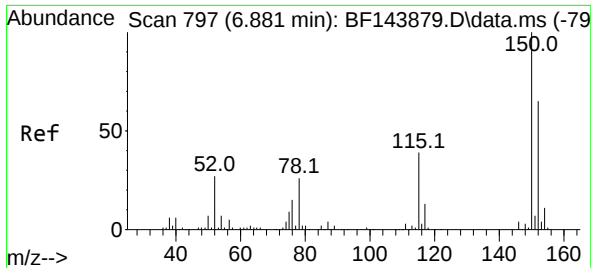
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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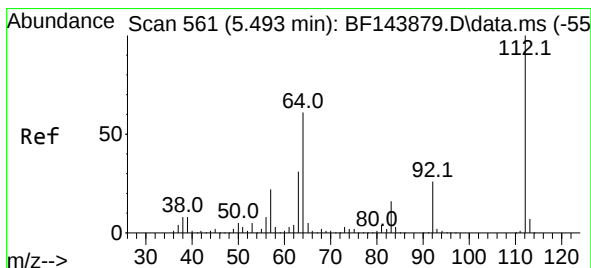
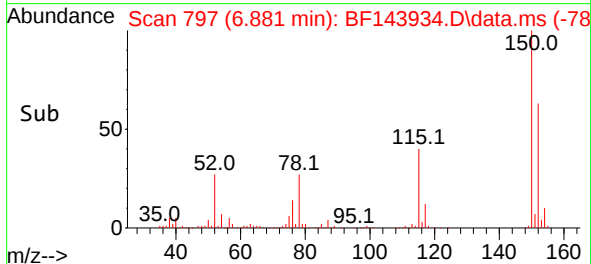
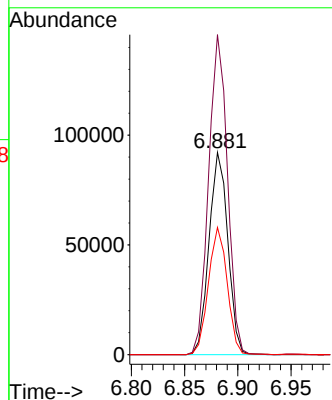
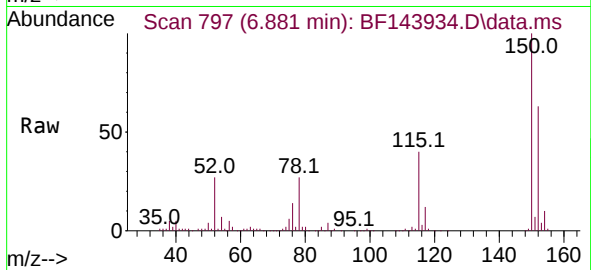




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

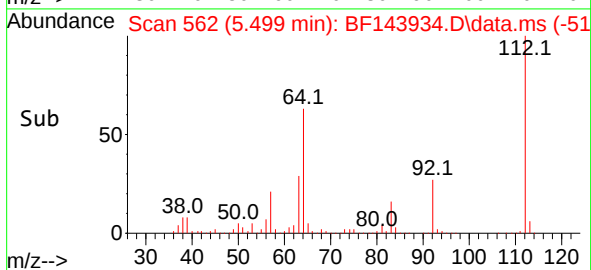
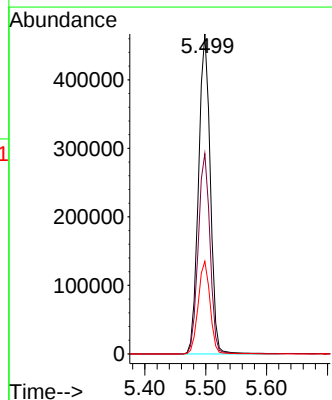
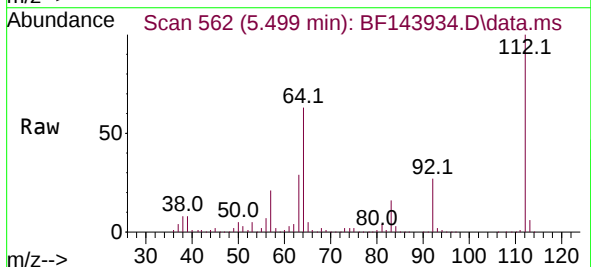
Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion:152 Resp: 113226
Ion Ratio Lower Upper
152 100
150 158.3 124.4 186.6
115 62.8 48.1 72.1



#5
2-Fluorophenol
Concen: 87.846 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:112 Resp: 626359
Ion Ratio Lower Upper
112 100
64 62.6 49.1 73.7
63 28.9 24.5 36.7

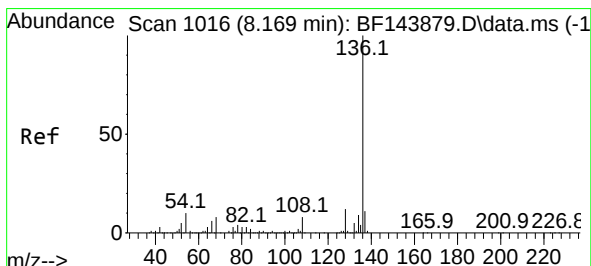
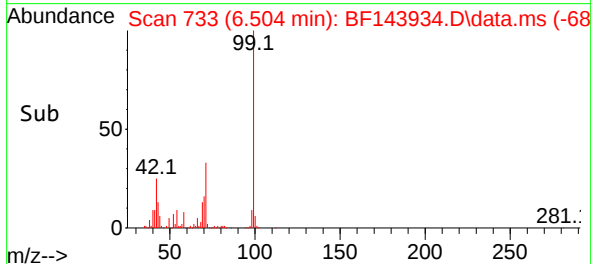
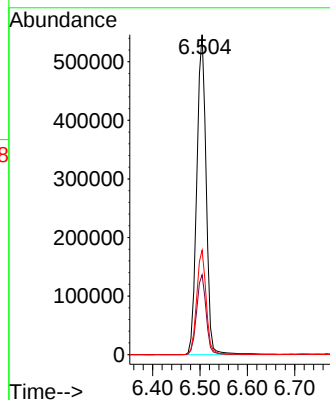
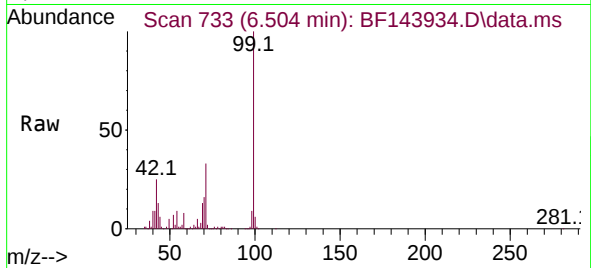




#7
Phenol-d6
Concen: 88.586 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

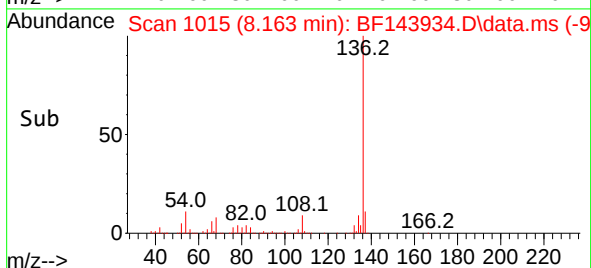
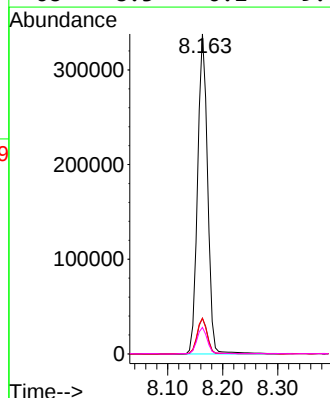
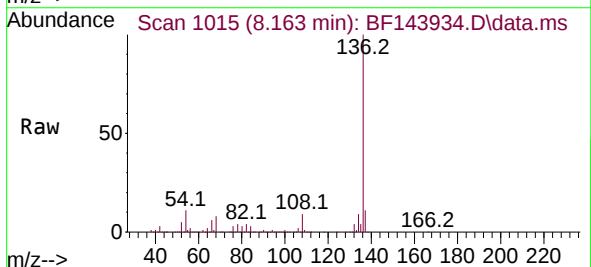
Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion:	99	Resp:	752882
Ion	Ratio	Lower	Upper
99	100		
42	24.9	21.0	31.4
71	32.6	27.8	41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:	136	Resp:	427226
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.1	8.2	12.4
68	8.3	6.2	9.4





#23

Nitrobenzene-d5

Concen: 58.182 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.017 min

Lab File: BF143934.D

Acq: 13 Oct 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SED-04-0-2

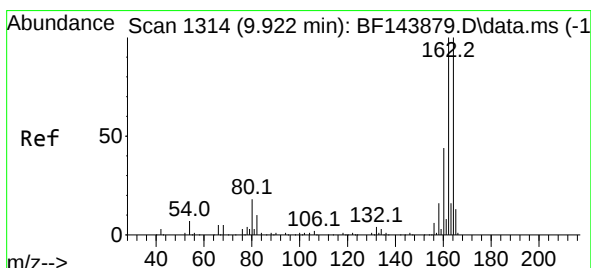
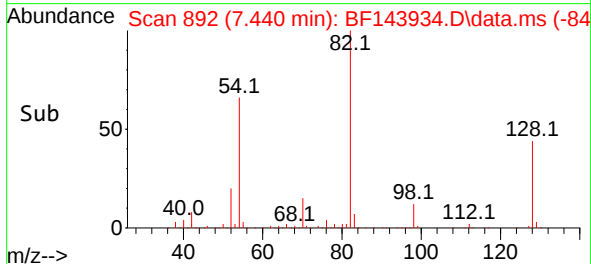
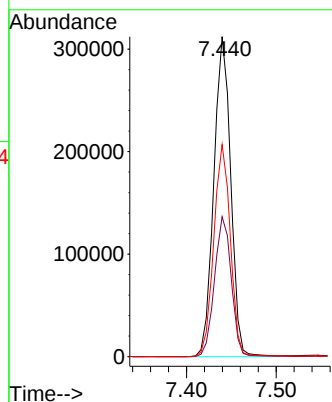
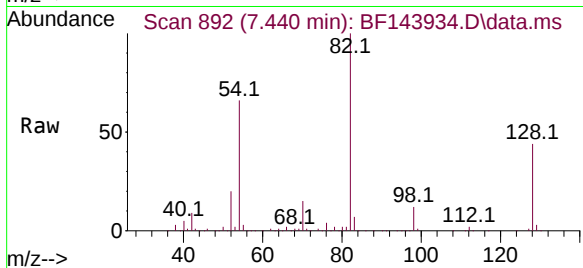
Tgt Ion: 82 Resp: 409132

Ion Ratio Lower Upper

82 100

128 43.7 34.0 51.0

54 66.3 53.2 79.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143934.D

Acq: 13 Oct 2025 16:05

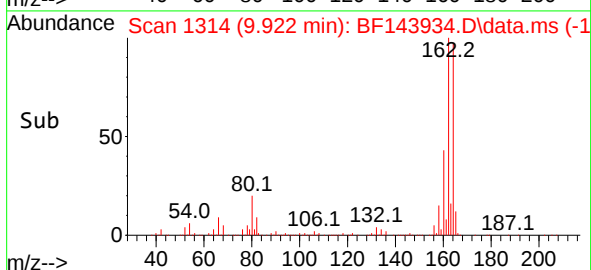
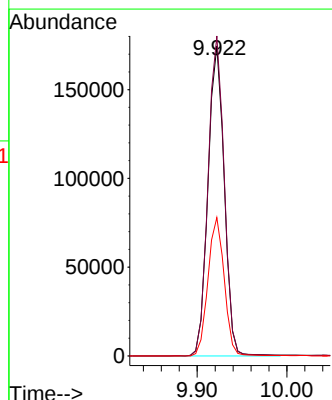
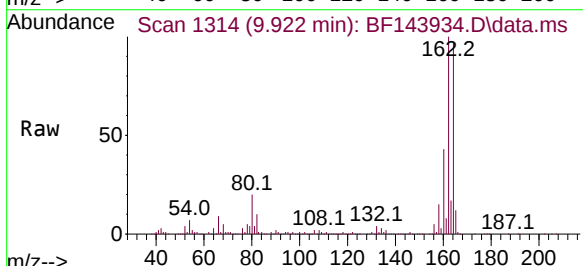
Tgt Ion: 164 Resp: 219740

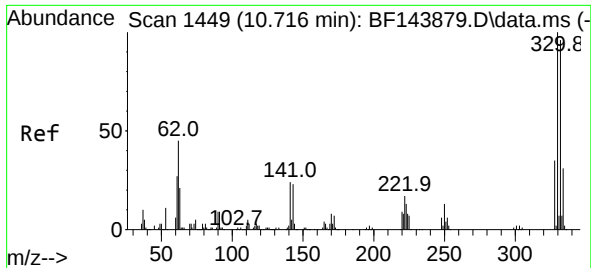
Ion Ratio Lower Upper

164 100

162 103.2 80.2 120.2

160 44.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 79.864 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF143934.D

Acq: 13 Oct 2025 16:05

Instrument :

BNA_F

ClientSampleId :

SED-04-0-2

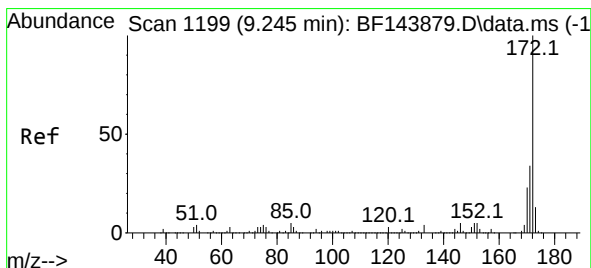
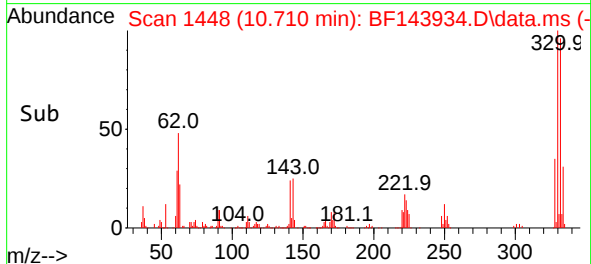
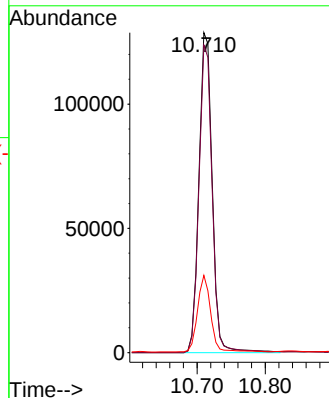
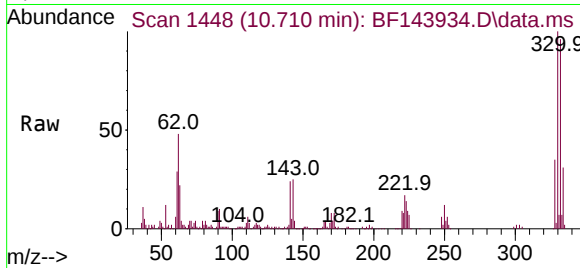
Tgt Ion:330 Resp: 174794

Ion Ratio Lower Upper

330 100

332 95.5 76.9 115.3

141 23.7 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 52.021 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143934.D

Acq: 13 Oct 2025 16:05

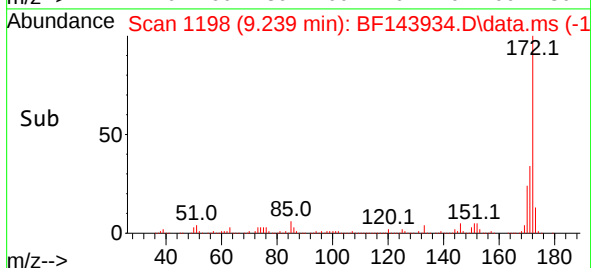
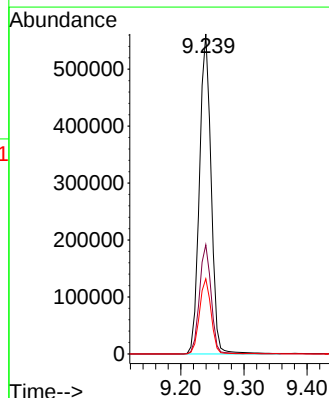
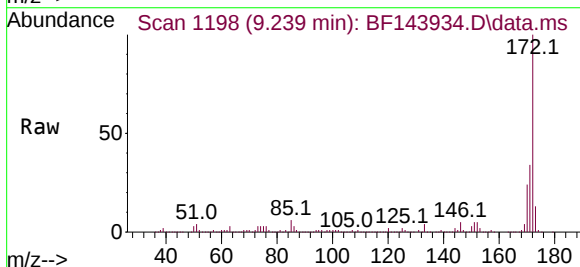
Tgt Ion:172 Resp: 720409

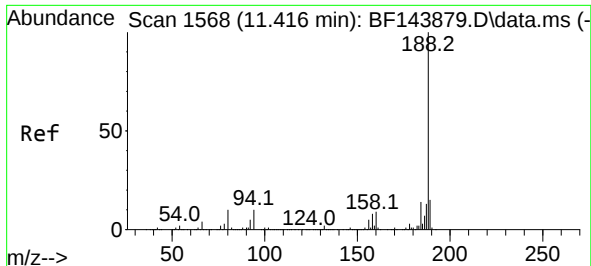
Ion Ratio Lower Upper

172 100

171 34.1 27.4 41.0

170 23.5 18.6 28.0

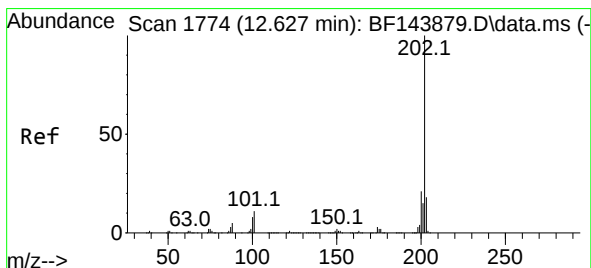
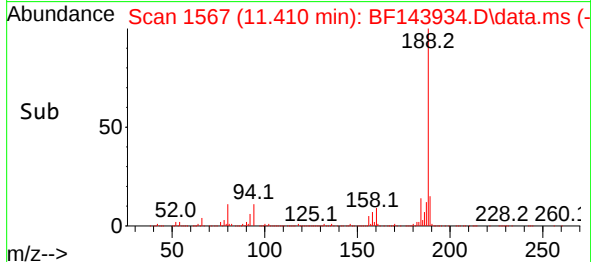
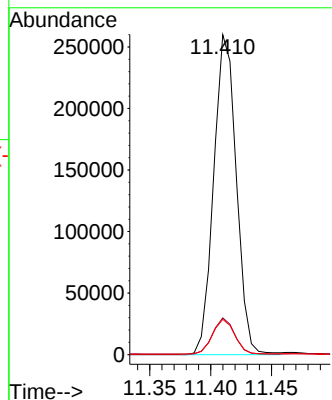
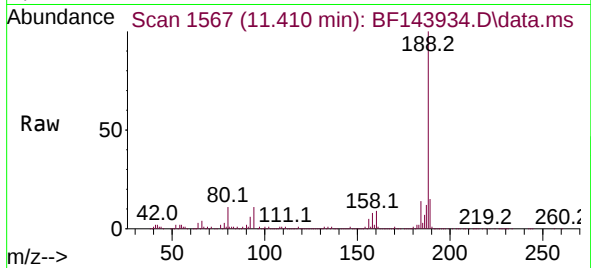




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

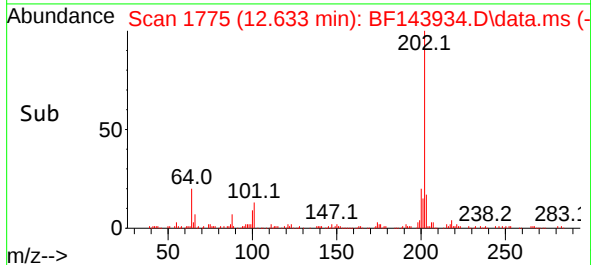
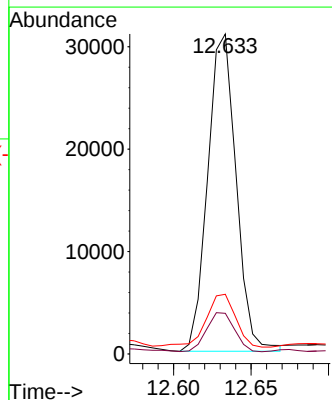
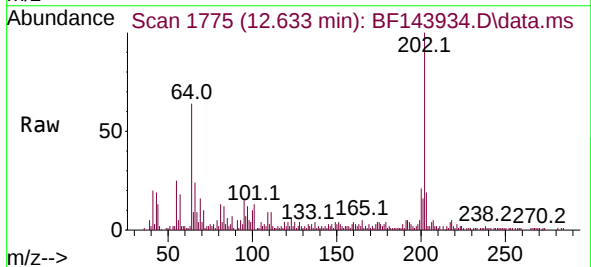
Instrument :
BNA_F
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SED-04-0-2

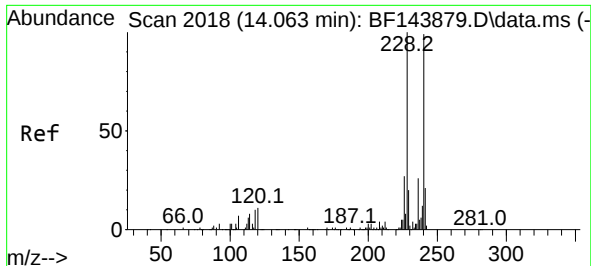
Tgt Ion:188 Resp: 335261
Ion Ratio Lower Upper
188 100
94 11.5 7.8 11.6
80 11.0 7.9 11.9



#75
Fluoranthene
Concen: 2.374 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:202 Resp: 39857
Ion Ratio Lower Upper
202 100
101 12.7 0.0 30.7
203 18.6 0.0 37.8

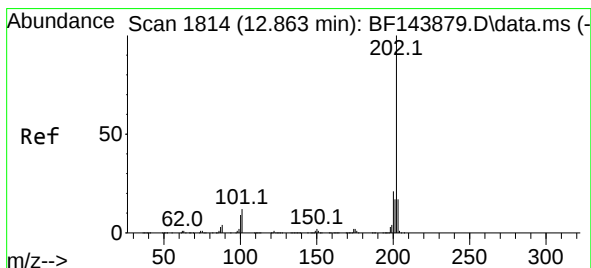
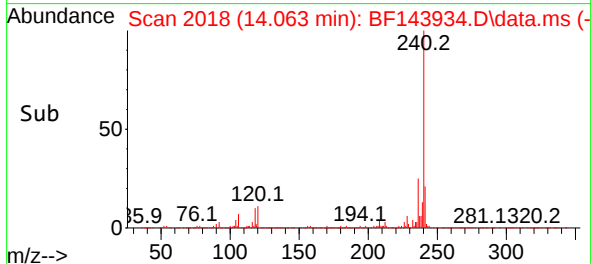
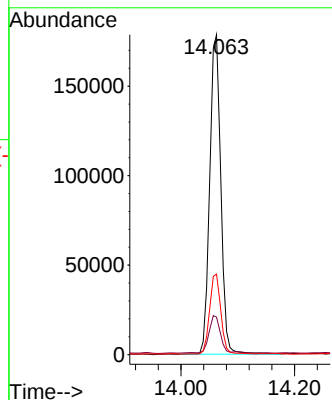
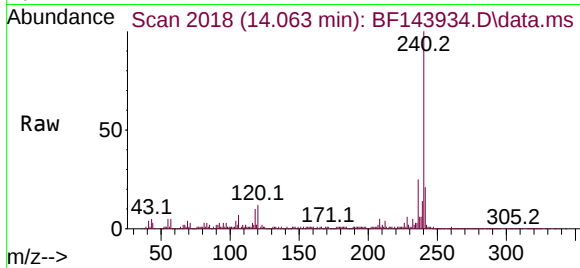




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.005 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

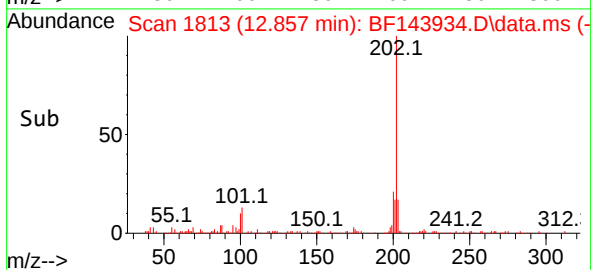
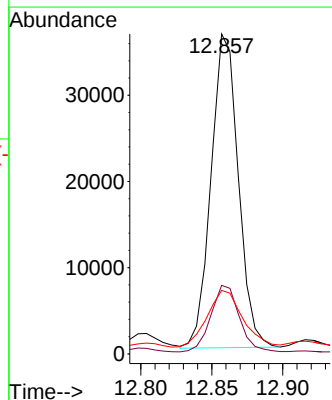
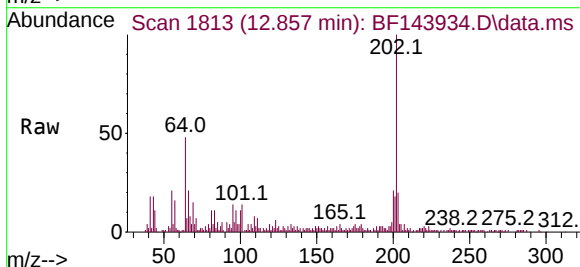
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BNA_F
ClientSampleId :
SED-04-0-2

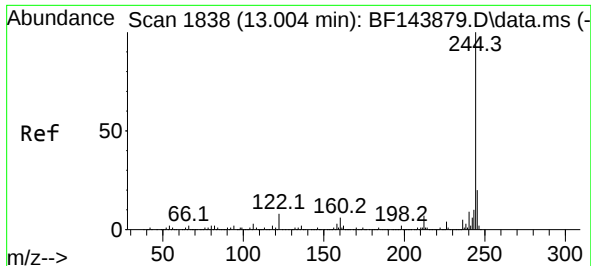
Tgt Ion:240 Resp: 243631
Ion Ratio Lower Upper
240 100
120 11.7 8.6 13.0
236 25.2 21.1 31.7



#78
Pyrene
Concen: 2.396 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:202 Resp: 48664
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 19.8 13.8 20.6

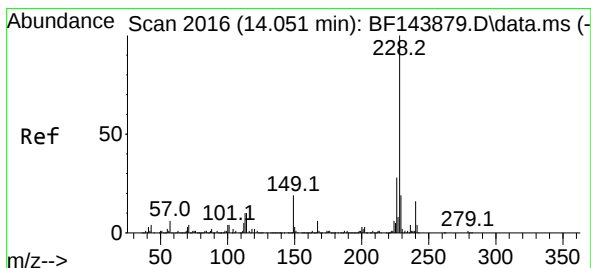
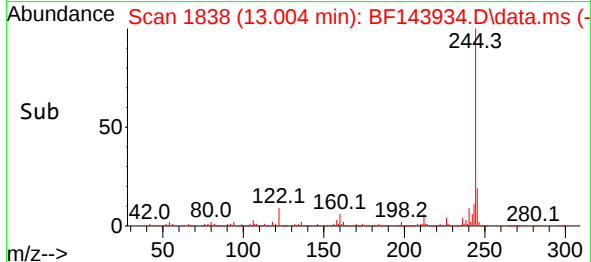
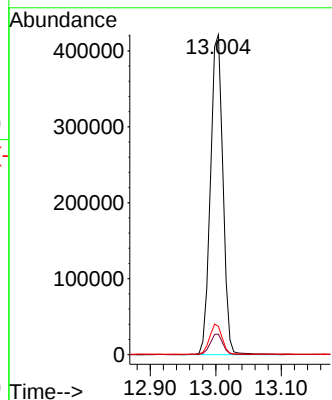
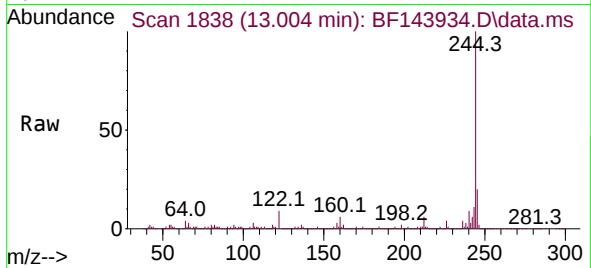




#79
 Terphenyl-d14
 Concen: 38.969 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF143934.D
 Acq: 13 Oct 2025 16:05

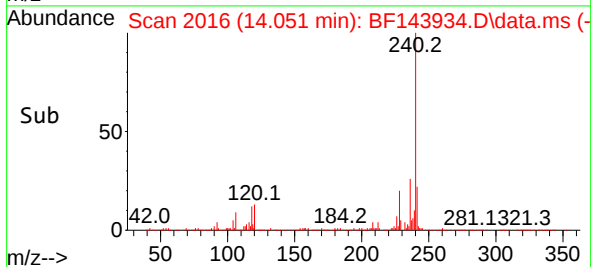
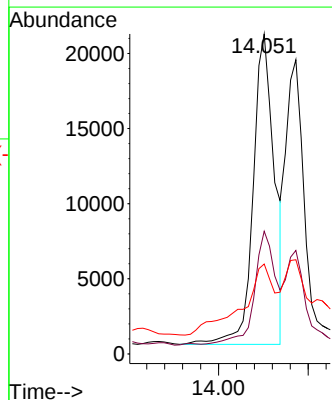
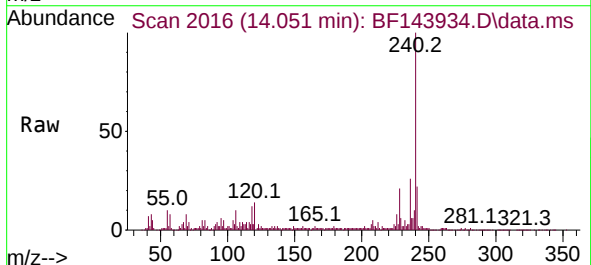
Instrument :
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 ClientSampleId :
 SED-04-0-2

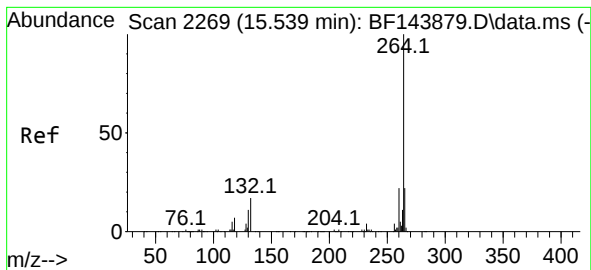
Tgt Ion:244 Resp: 555513
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 8.8 6.4 9.6



#81
 Benzo(a)anthracene
 Concen: 2.134 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF143934.D
 Acq: 13 Oct 2025 16:05

Tgt Ion:228 Resp: 34031
 Ion Ratio Lower Upper
 228 100
 226 38.3 22.2 33.2#
 229 28.1 15.6 23.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion:264 Resp: 311711
Ion Ratio Lower Upper
264 100
260 22.5 17.8 26.8
265 22.9 17.5 26.3

