

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031925\
 Data File : BF141999.D
 Acq On : 19 Mar 2025 11:47
 Operator : RC/JU
 Sample : Q1590-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20071

Quant Time: Mar 19 12:10:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

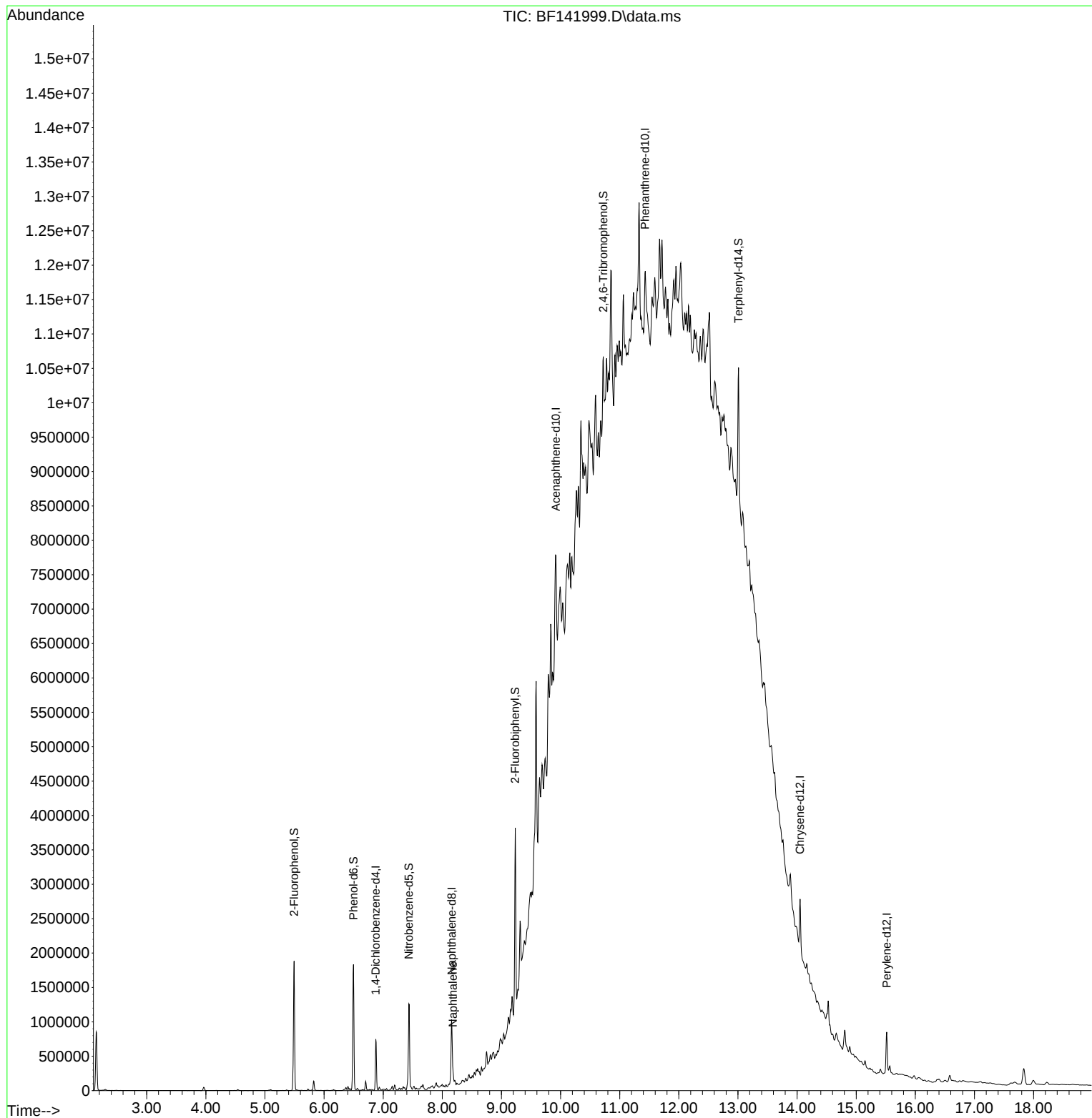
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	159391	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	603378	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	277983	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	396447	20.000	ng	# 0.02
76) Chrysene-d12	14.051	240	323444	20.000	ng	0.01
86) Perylene-d12	15.515	264	374135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	713302	74.689	ng	0.00
7) Phenol-d6	6.498	99	893138	73.451	ng	0.00
23) Nitrobenzene-d5	7.434	82	583195	54.393	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	312191	88.525	ng	0.02
45) 2-Fluorobiphenyl	9.233	172	1147107	62.757	ng	0.00
79) Terphenyl-d14	13.010	244	1060168	48.460	ng	0.02
Target Compounds						
31) Naphthalene	8.181	128	83311	2.688	ng	Qvalue 99

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

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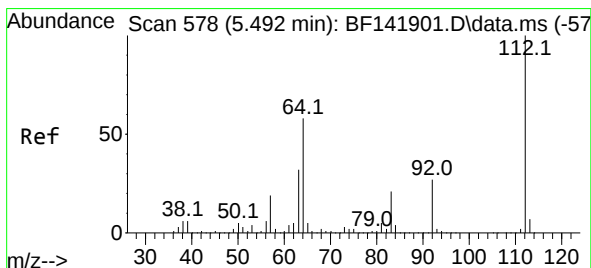
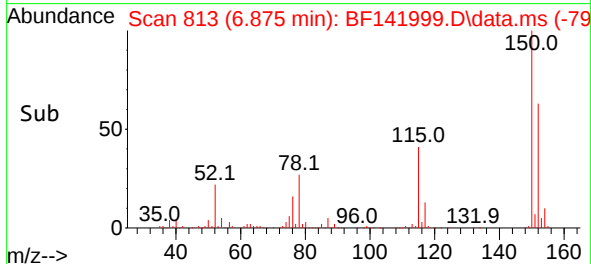
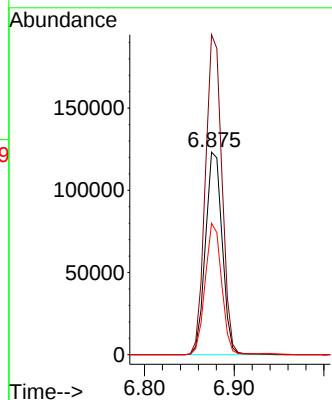
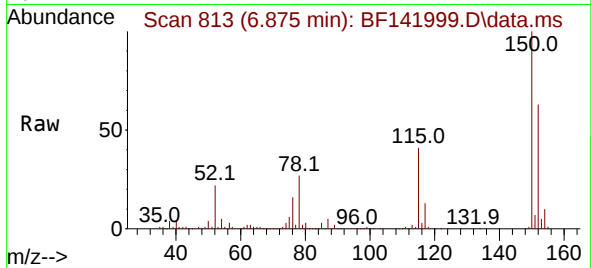




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

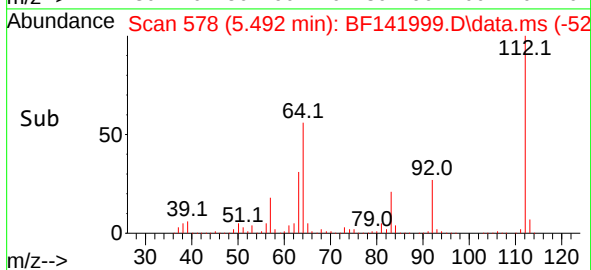
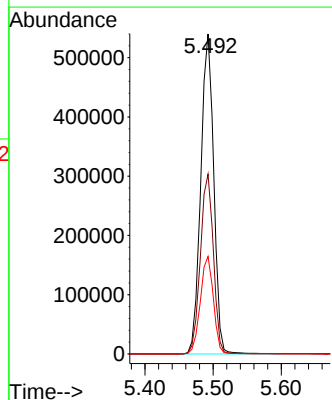
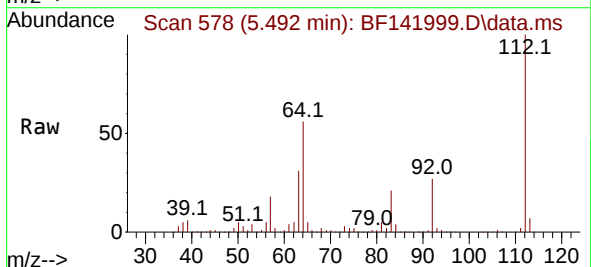
Instrument :
BNA_F
ClientSampleId :
20071

Tgt Ion:152 Resp: 159391
Ion Ratio Lower Upper
152 100
150 158.0 127.4 191.2
115 64.8 51.9 77.9



#5
2-Fluorophenol
Concen: 74.689 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Tgt Ion:112 Resp: 713302
Ion Ratio Lower Upper
112 100
64 56.2 46.5 69.7
63 30.5 25.4 38.2

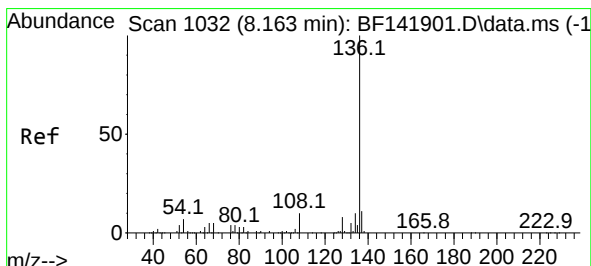
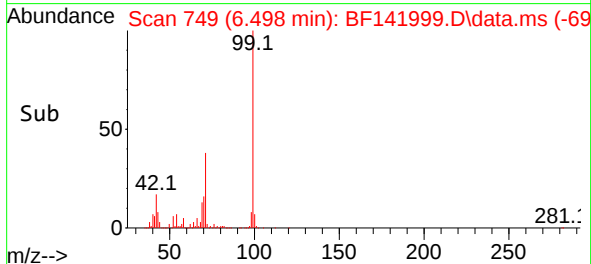
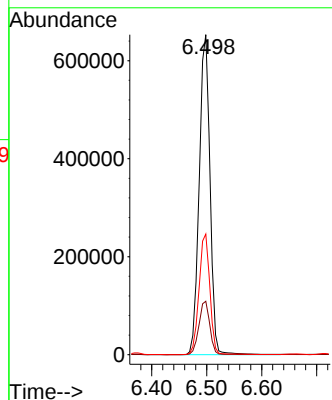
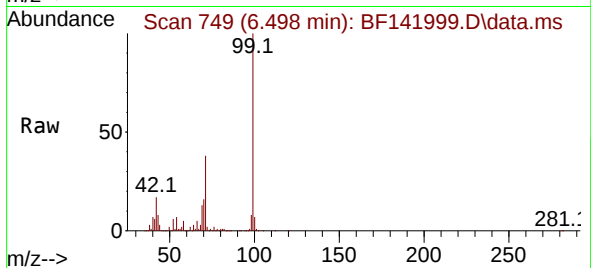




#7
Phenol-d6
Concen: 73.451 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

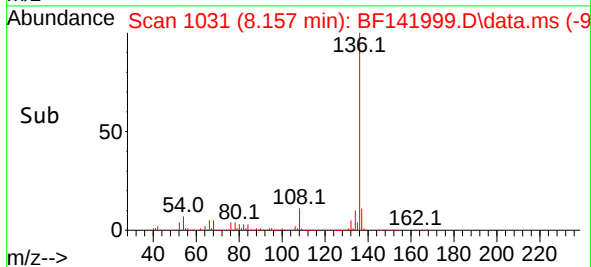
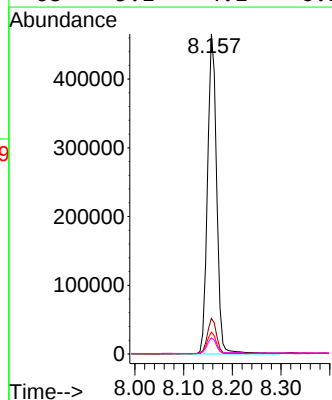
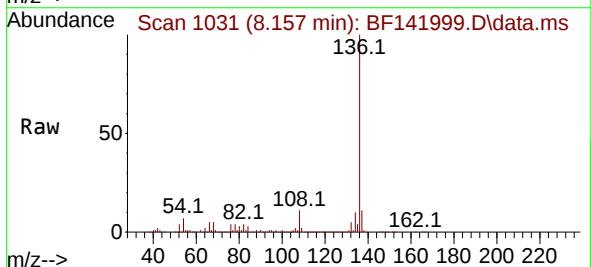
Instrument :
BNA_F
ClientSampleId :
20071

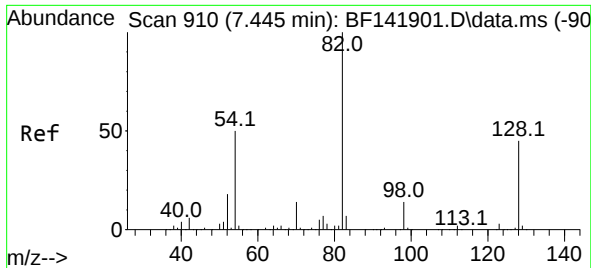
Tgt Ion: 99 Resp: 893138
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 37.7 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Tgt Ion:136 Resp: 603378
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.8 5.8 8.8
68 5.1 4.1 6.1

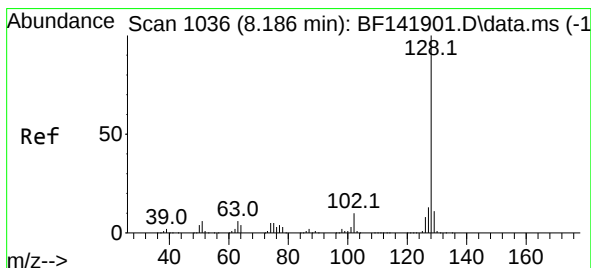
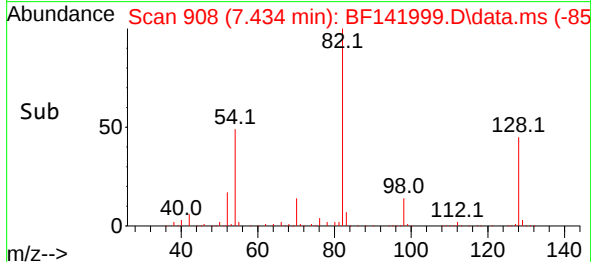
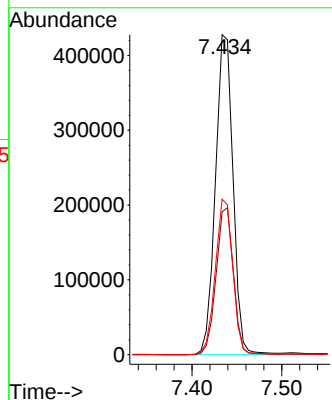
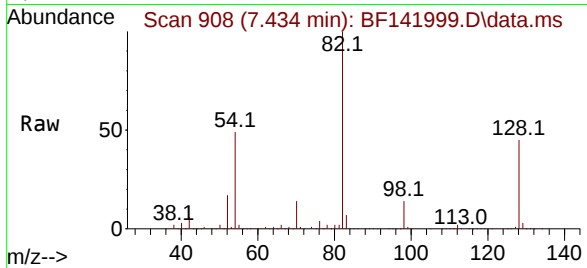




#23
Nitrobenzene-d5
Concen: 54.393 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

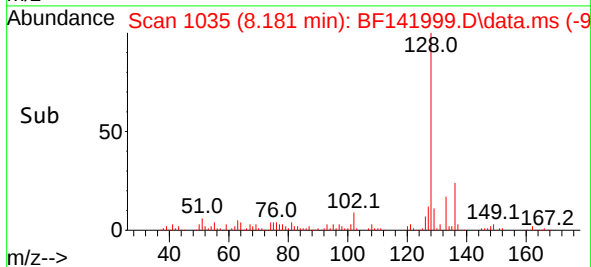
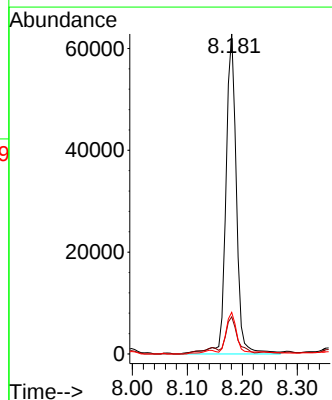
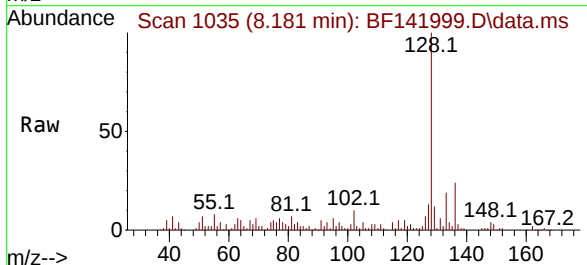
Instrument :
BNA_F
ClientSampleId :
20071

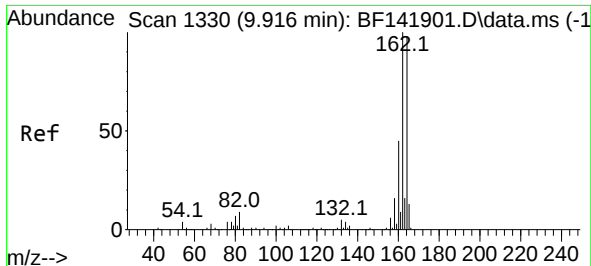
Tgt Ion: 82 Resp: 583195
Ion Ratio Lower Upper
82 100
128 44.6 36.0 54.0
54 48.6 39.6 59.4



#31
Naphthalene
Concen: 2.688 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Tgt Ion:128 Resp: 83311
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 13.0 10.8 16.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141999.D

Acq: 19 Mar 2025 11:47

Instrument :

BNA_F

ClientSampleId :

20071

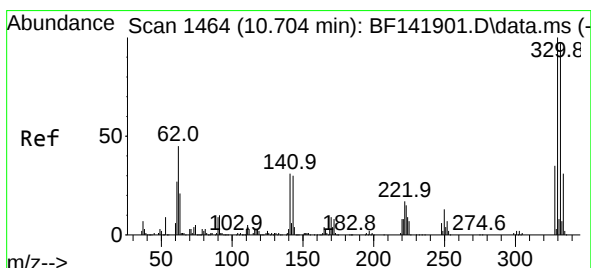
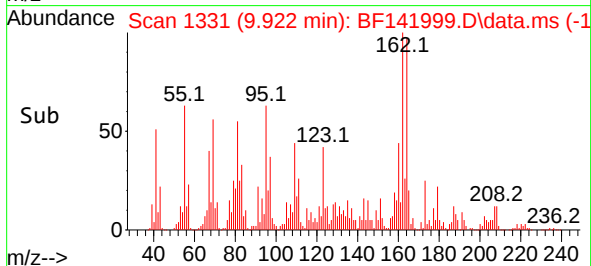
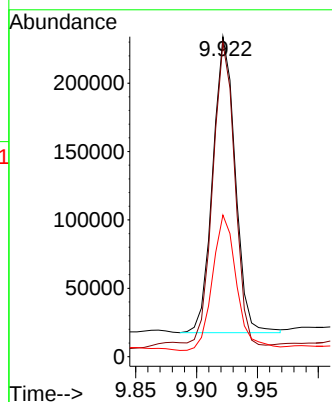
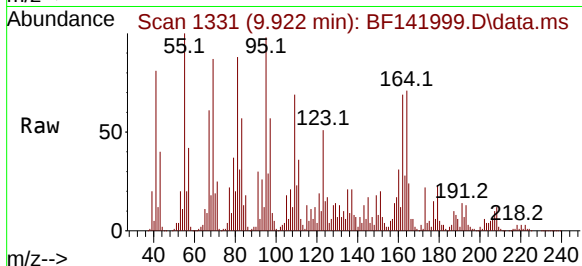
Tgt Ion:164 Resp: 277983

Ion Ratio Lower Upper

164 100

162 98.1 81.8 122.6

160 44.3 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 88.525 ng

RT: 10.722 min Scan# 1467

Delta R.T. 0.018 min

Lab File: BF141999.D

Acq: 19 Mar 2025 11:47

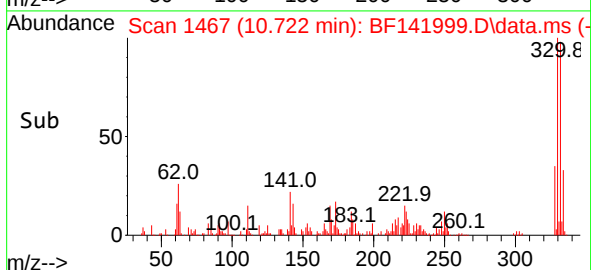
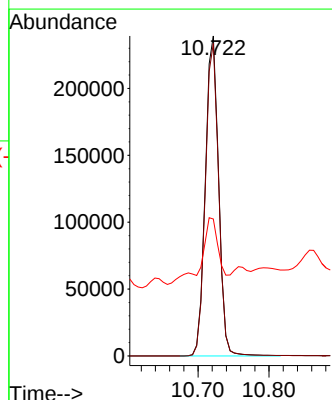
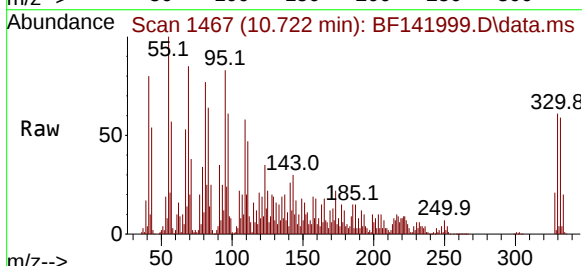
Tgt Ion:330 Resp: 312191

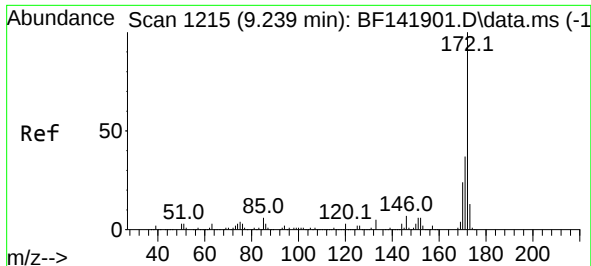
Ion Ratio Lower Upper

330 100

332 97.8 77.6 116.4

141 27.4 24.7 37.1

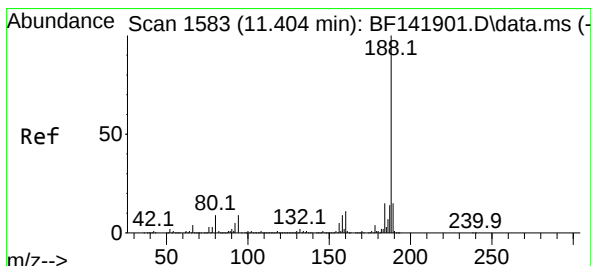
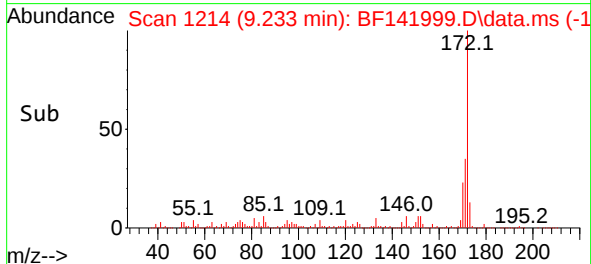
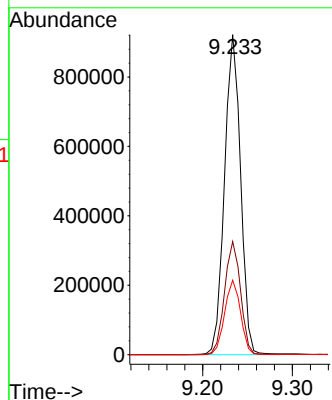
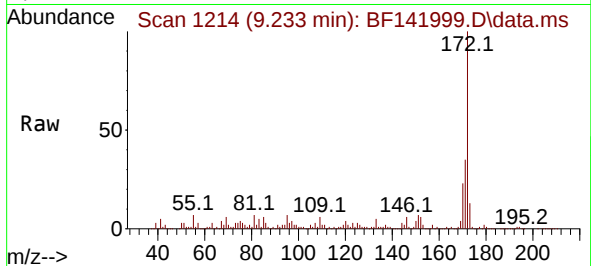




#45
2-Fluorobiphenyl
Concen: 62.757 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

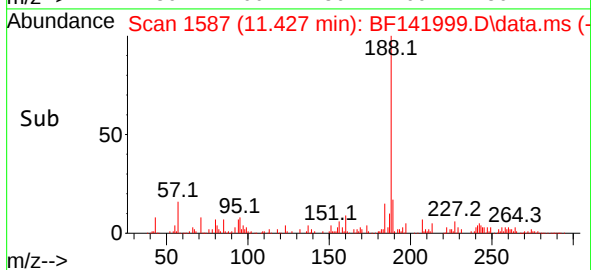
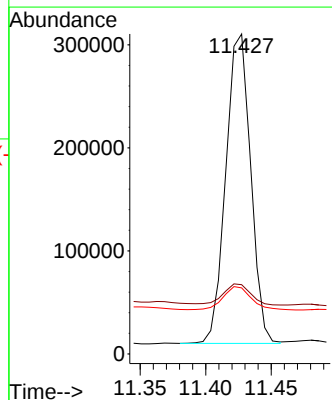
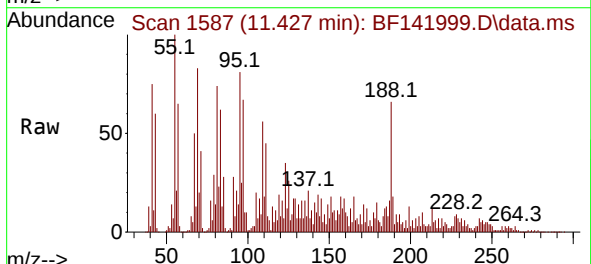
Instrument :
BNA_F
ClientSampleId :
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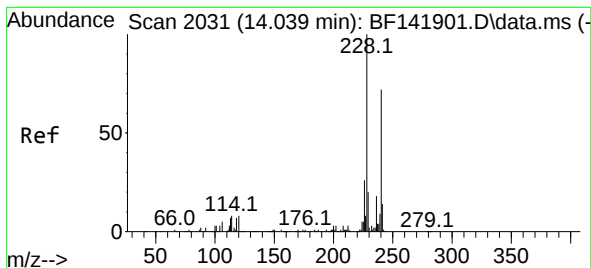
Tgt Ion:172 Resp: 1147107
Ion Ratio Lower Upper
172 100
171 35.3 29.3 43.9
170 23.3 19.4 29.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.023 min
Lab File: BF141999.D
Acq: 19 Mar 2025 11:47

Tgt Ion:188 Resp: 396447
Ion Ratio Lower Upper
188 100
94 21.7 6.8 10.2#
80 20.6 7.6 11.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2031

Delta R.T. 0.012 min

Lab File: BF141999.D

Acq: 19 Mar 2025 11:47

Instrument :

BNA_F

ClientSampleId :

20071

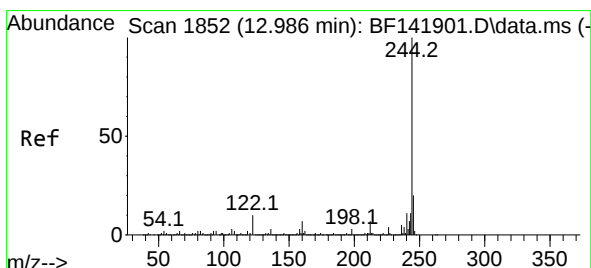
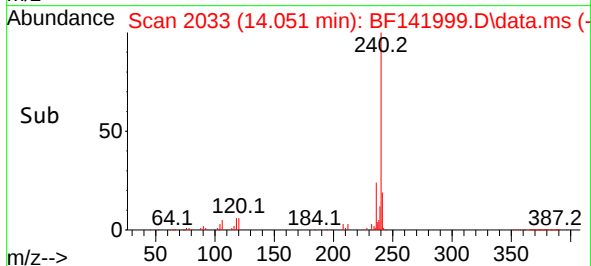
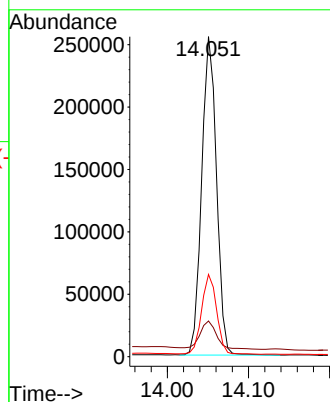
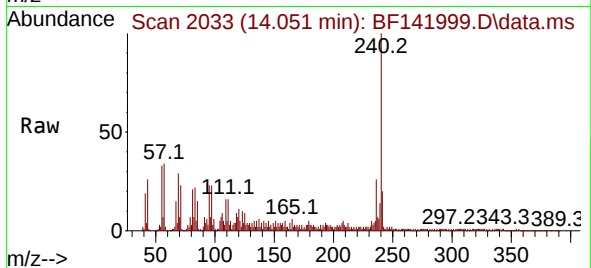
Tgt Ion:240 Resp: 323444

Ion Ratio Lower Upper

240 100

120 11.2 8.4 12.6

236 25.7 20.5 30.7



#79

Terphenyl-d14

Concen: 48.460 ng

RT: 13.010 min Scan# 1856

Delta R.T. 0.024 min

Lab File: BF141999.D

Acq: 19 Mar 2025 11:47

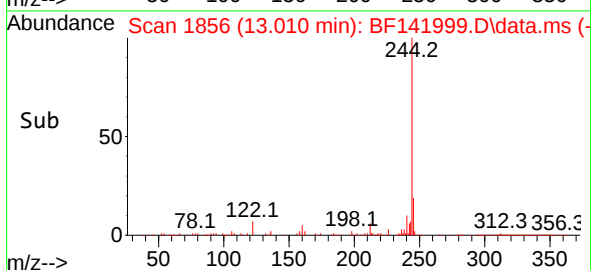
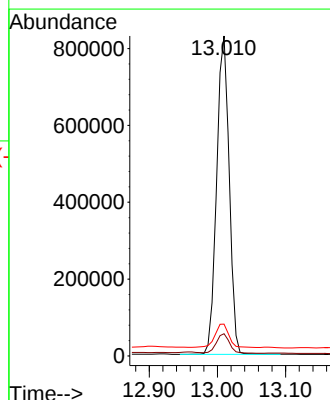
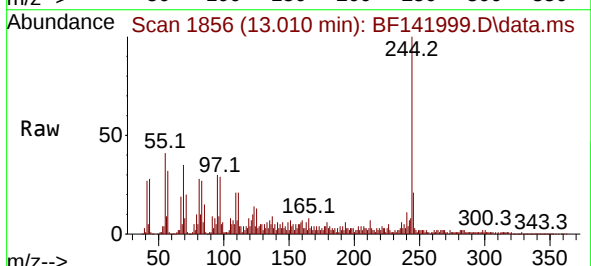
Tgt Ion:244 Resp: 1060168

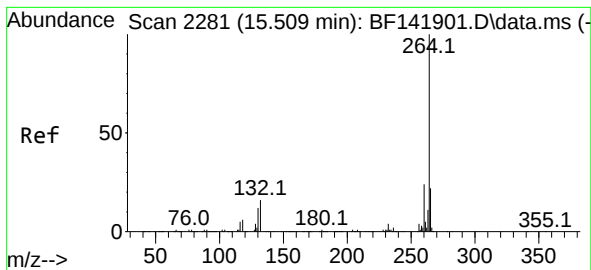
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 10.0 7.7 11.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141999.D

Acq: 19 Mar 2025 11:47

Instrument :

BNA_F

ClientSampleId :

20071

Tgt Ion:264 Resp: 374135

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 21.8 17.5 26.3

