

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141749.D
 Acq On : 24 Feb 2025 17:38
 Operator : RC/JU
 Sample : Q1411-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-02212025

Quant Time: Feb 25 00:10:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

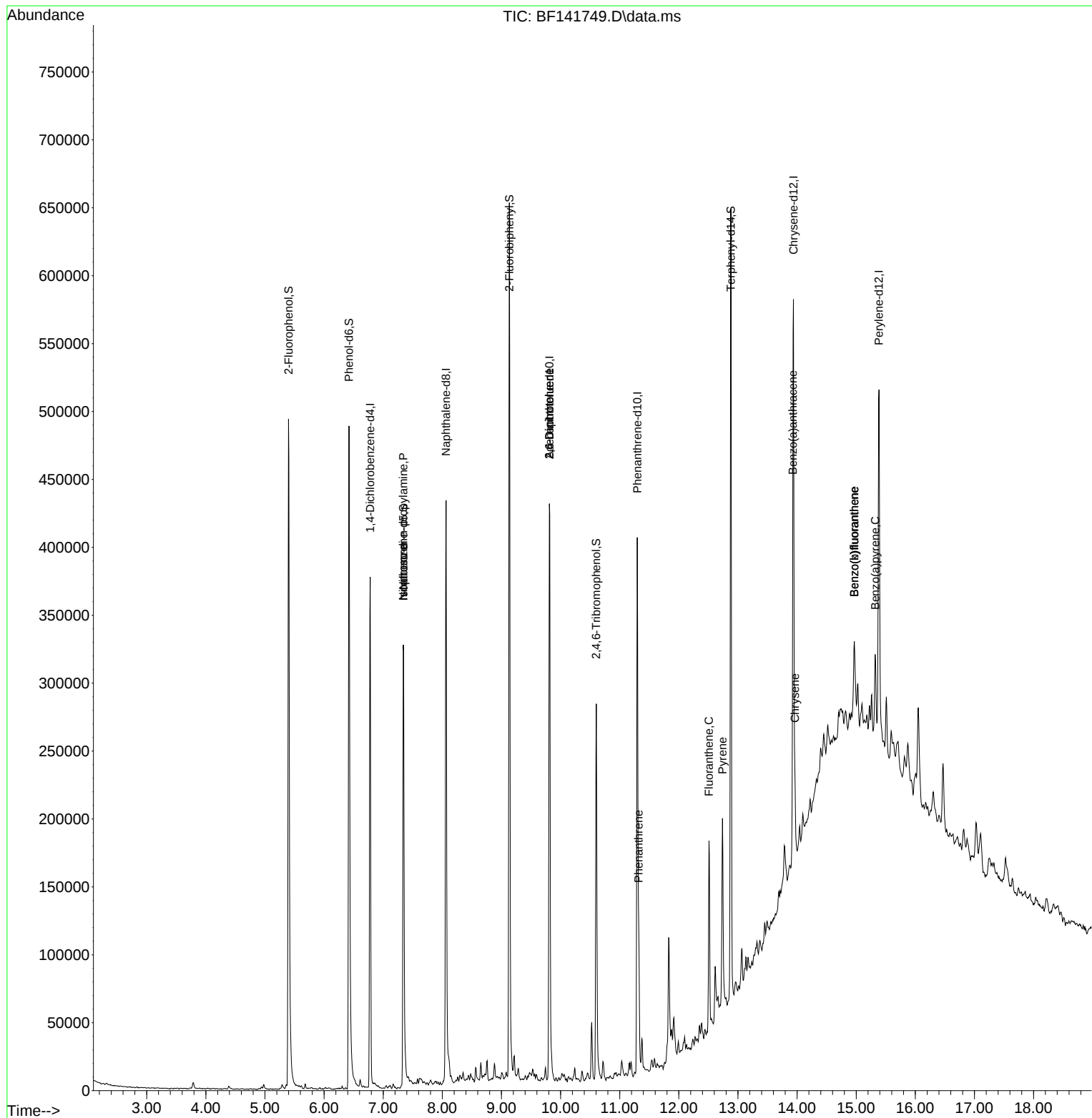
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	82360	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	306600	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	140230	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	210650	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	190511	20.000	ng	-0.02
86) Perylene-d12	15.386	264	148532	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	230792	43.932	ng	-0.01
7) Phenol-d6	6.422	99	272427	41.029	ng	-0.02
23) Nitrobenzene-d5	7.339	82	174422	29.672	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	49668	35.259	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	305057	33.515	ng	-0.02
79) Terphenyl-d14	12.880	244	282323	25.017	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.339	70	23900	6.018	ng	# 74
25) Isophorone	7.339	82	168273	17.953	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	18029	8.663	ng	# 23
57) 2,4-Dinitrotoluene	9.810	165	18145	6.549	ng	# 19
71) Phenanthrene	11.322	178	48373	4.172	ng	98
75) Fluoranthene	12.510	202	84765	6.895	ng	99
78) Pyrene	12.739	202	84558	5.214	ng	98
81) Benzo(a)anthracene	13.927	228	39282	3.102	ng	# 94
83) Chrysene	13.963	228	31845	2.723	ng	# 93
88) Benzo(b)fluoranthene	14.968	252	44333	4.445	ng	# 81
89) Benzo(k)fluoranthene	14.968	252	44333	5.206	ng	# 83
90) Benzo(a)pyrene	15.321	252	23780	2.947	ng	# 81

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

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Instrument :
BNA_F
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HR-03-02212025

Quant Time: Feb 25 00:10:08 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

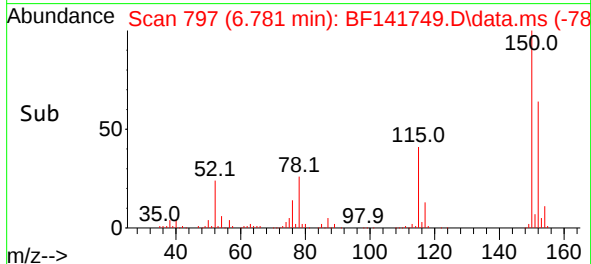
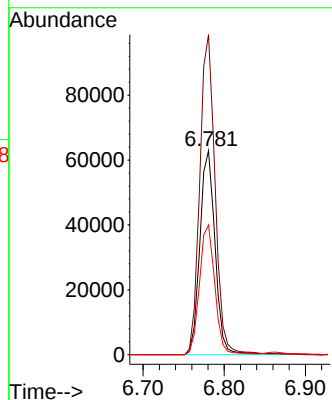
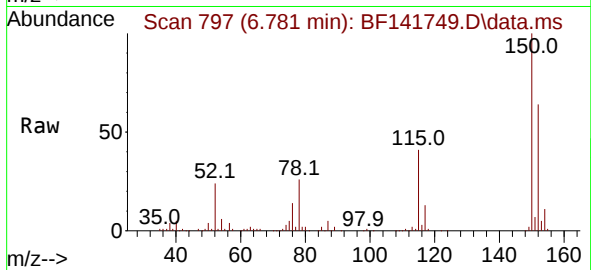




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

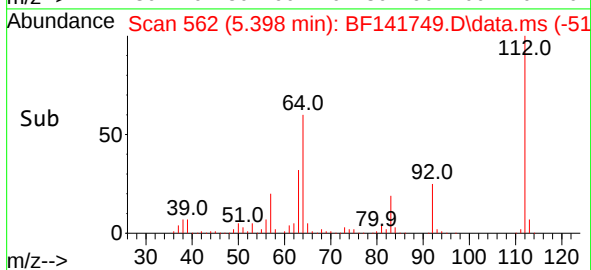
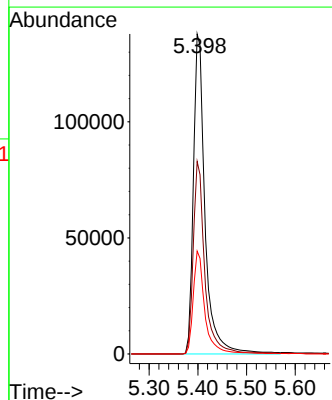
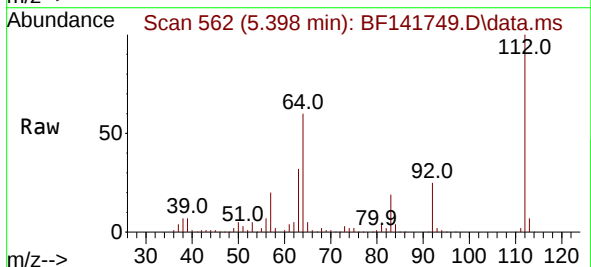
Instrument :
BNA_F
ClientSampleId :
HR-03-02212025

Tgt Ion:152 Resp: 82360
Ion Ratio Lower Upper
152 100
150 156.9 125.0 187.4
115 63.7 53.6 80.4



#5
2-Fluorophenol
Concen: 43.932 ng
RT: 5.398 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

Tgt Ion:112 Resp: 230792
Ion Ratio Lower Upper
112 100
64 60.1 51.1 76.7
63 32.2 28.4 42.6





#7
Phenol-d6
Concen: 41.029 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

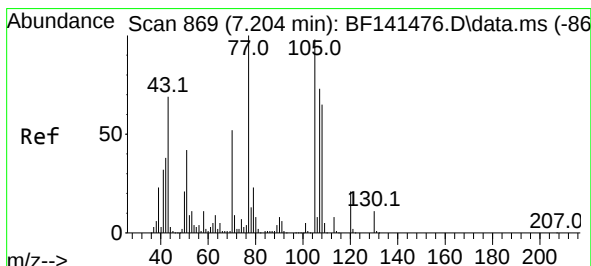
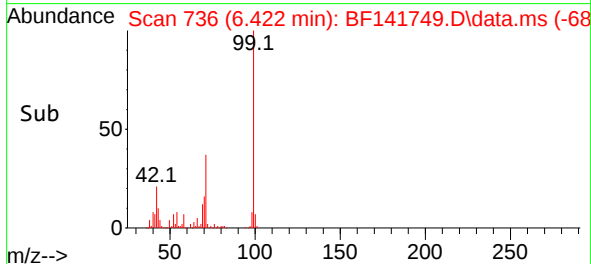
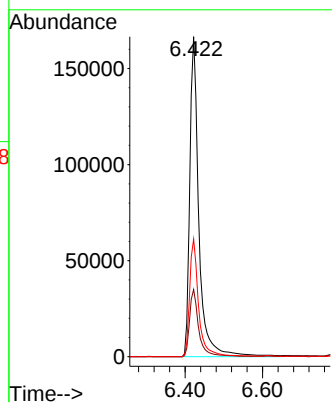
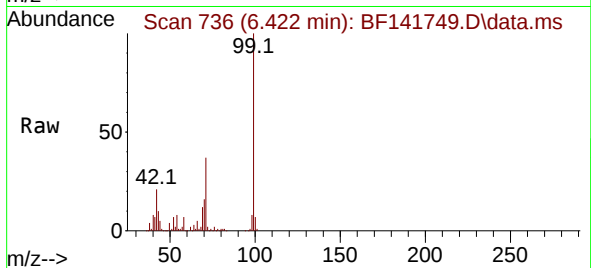
Instrument :

BNA_F

ClientSampleId :

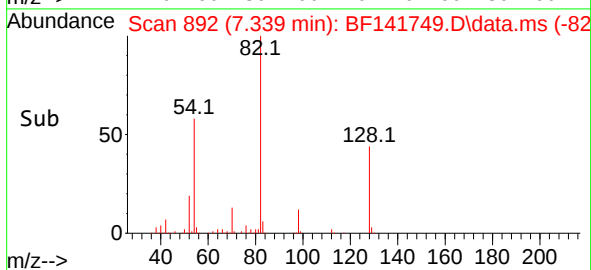
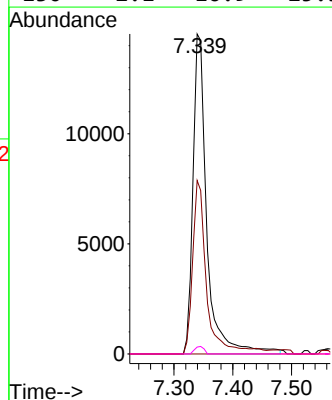
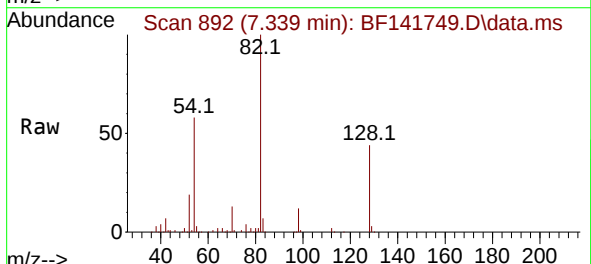
HR-03-02212025

Tgt Ion: 99 Resp: 272427
Ion Ratio Lower Upper
99 100
42 21.0 19.1 28.7
71 36.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.018 ng
RT: 7.339 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

Tgt Ion: 70 Resp: 23900
Ion Ratio Lower Upper
70 100
42 54.2 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

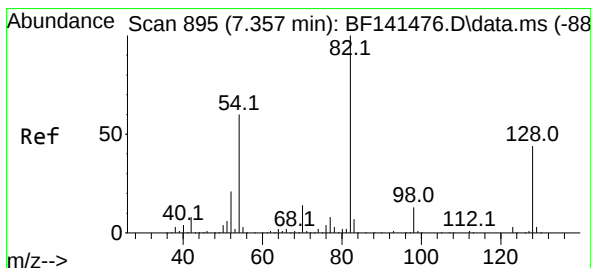
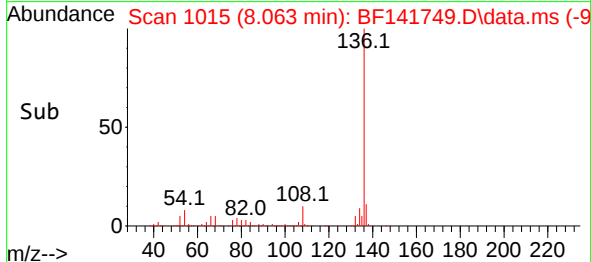
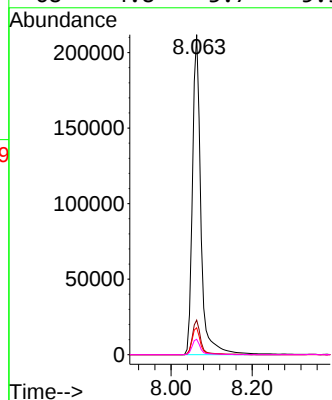
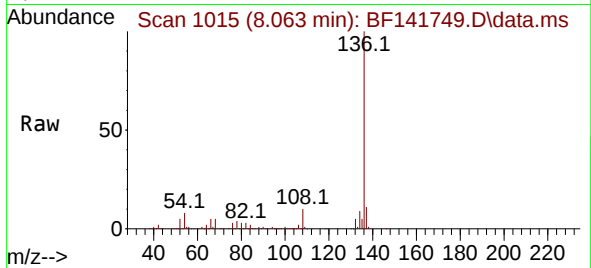




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

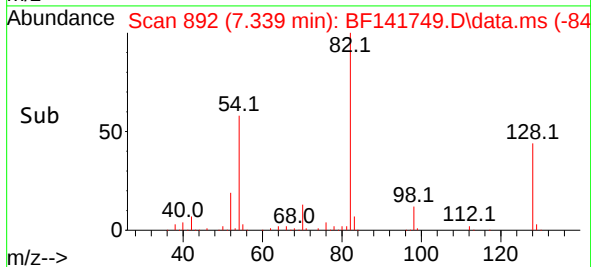
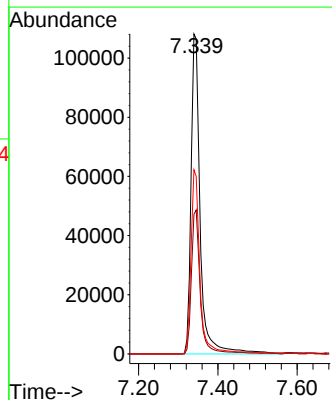
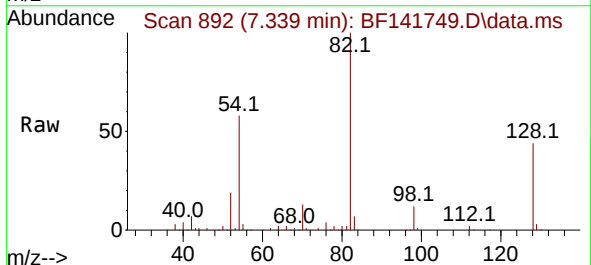
Instrument :
BNA_F
ClientSampleId :
HR-03-02212025

Tgt Ion:136	Resp: 306600
Ion Ratio	Lower Upper
136	100
137	10.8 8.6 13.0
54	8.4 7.2 10.8
68	4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 29.672 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.023 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

Tgt Ion: 82	Resp: 174422
Ion Ratio	Lower Upper
82	100
128	43.6 34.8 52.2
54	57.6 48.2 72.4

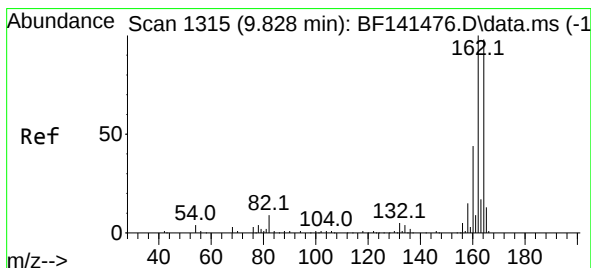
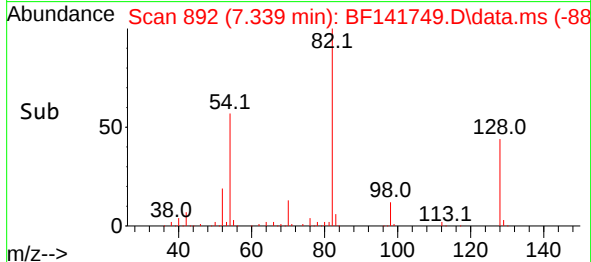
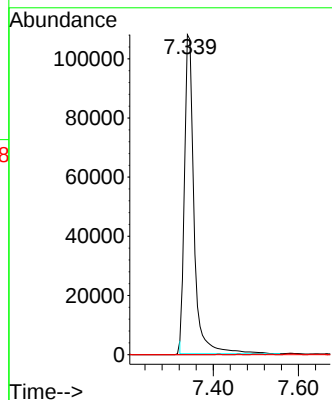
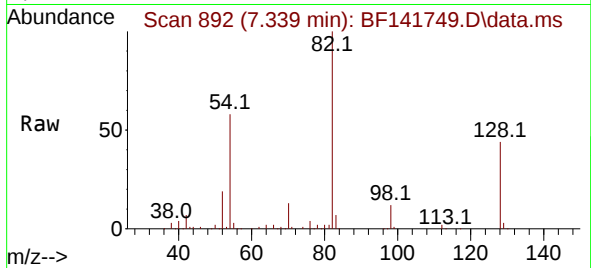




#25
Isophorone
Concen: 17.953 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

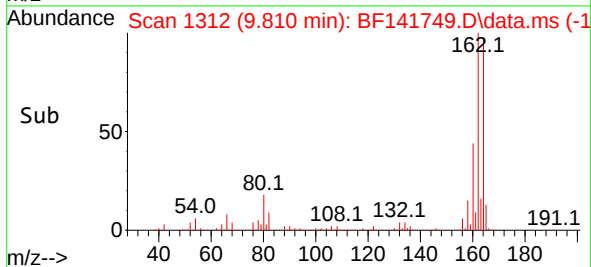
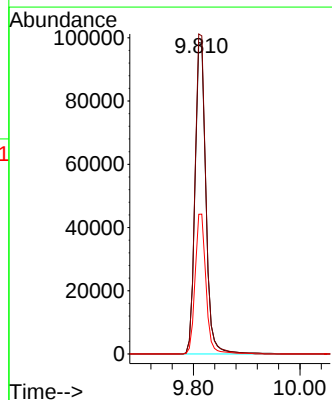
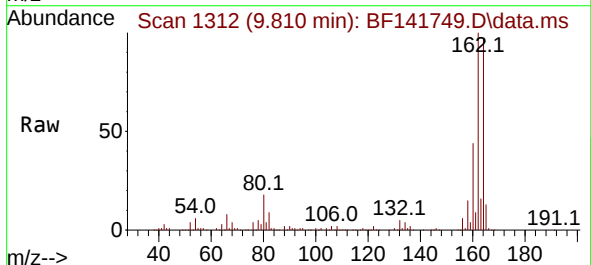
Instrument :
BNA_F
ClientSampleId :
HR-03-02212025

Tgt Ion: 82 Resp: 168273
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

Tgt Ion:164 Resp: 140230
Ion Ratio Lower Upper
164 100
162 102.8 81.3 121.9
160 44.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 35.259 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141749.D

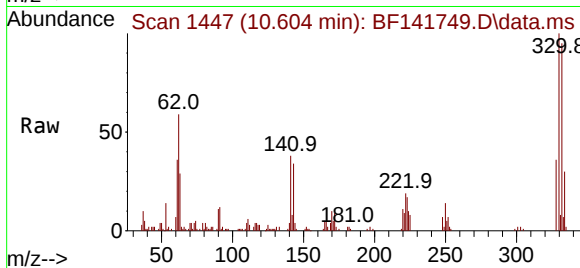
Acq: 24 Feb 2025 17:38

Instrument :

BNA_F

ClientSampleId :

HR-03-02212025



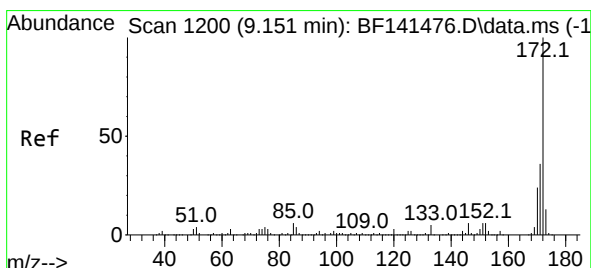
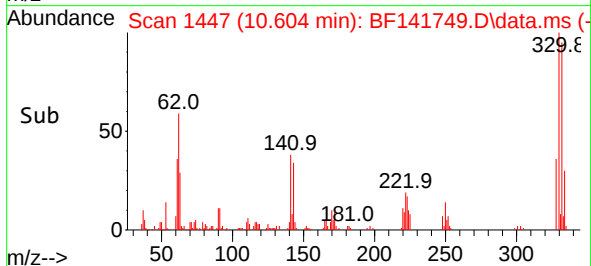
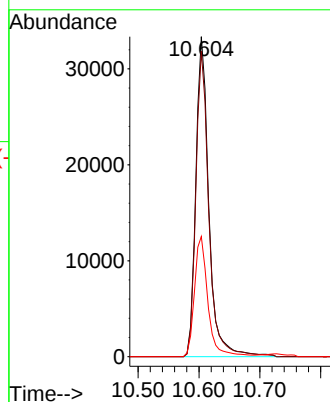
Tgt Ion:330 Resp: 49668

Ion Ratio Lower Upper

330 100

332 95.2 78.5 117.7

141 38.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 33.515 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

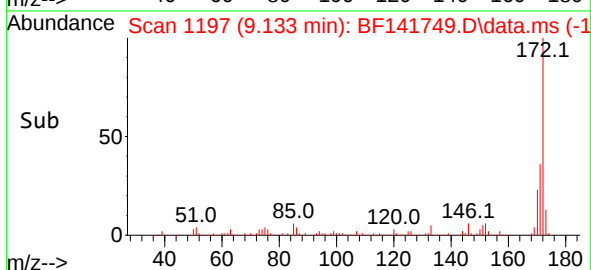
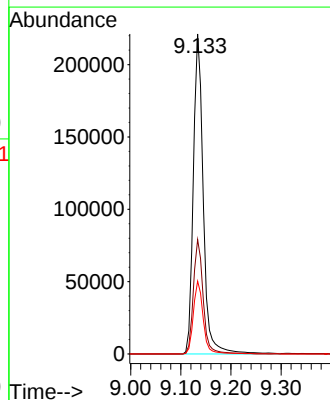
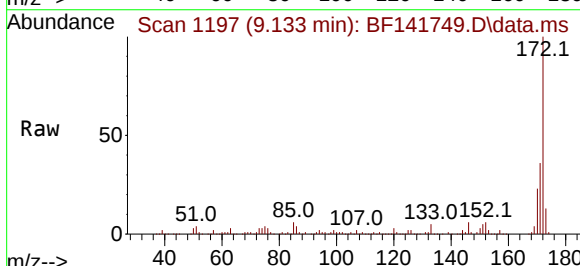
Tgt Ion:172 Resp: 305057

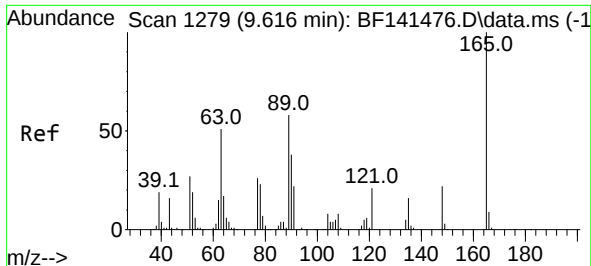
Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 22.8 18.9 28.3

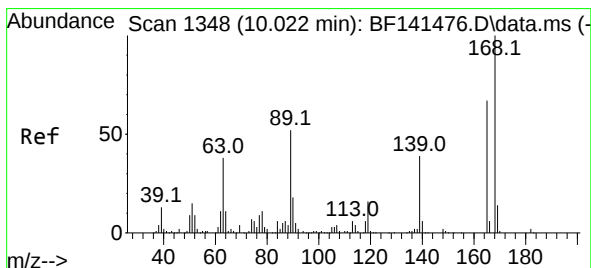
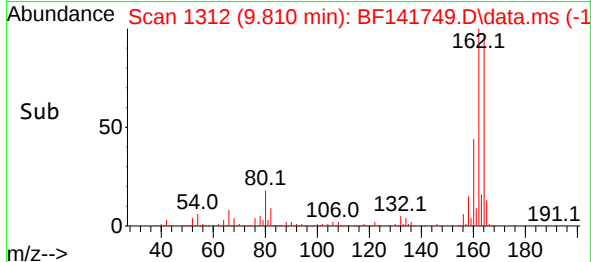
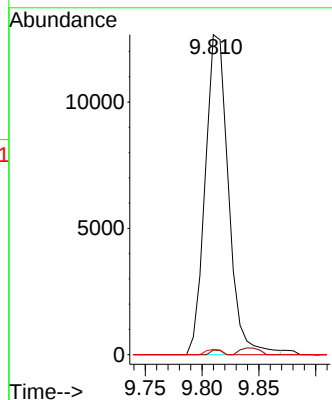
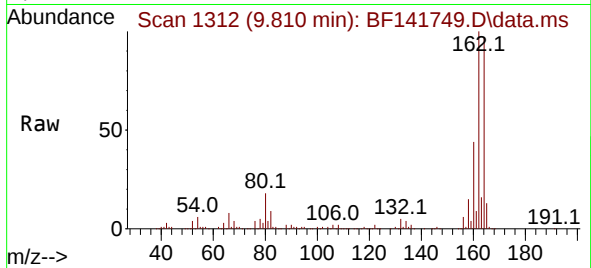




#51
2,6-Dinitrotoluene
Concen: 8.663 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.188 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

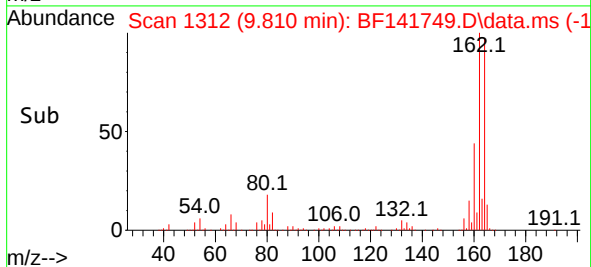
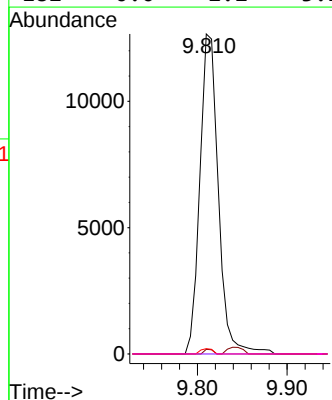
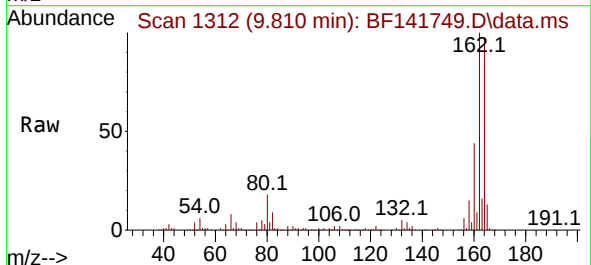
Instrument :
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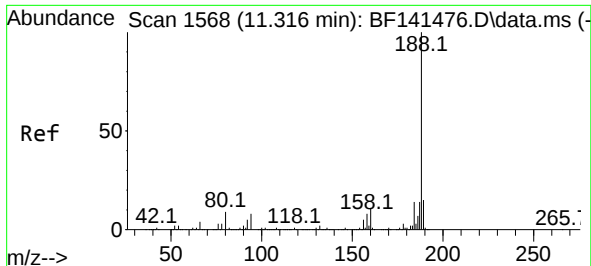
Tgt Ion:165 Resp: 18029
Ion Ratio Lower Upper
165 100
63 1.4 49.4 74.0#
89 1.7 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.549 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.218 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

Tgt Ion:165 Resp: 18145
Ion Ratio Lower Upper
165 100
63 1.4 46.4 69.6#
89 1.7 61.8 92.6#
182 0.0 2.2 3.2#

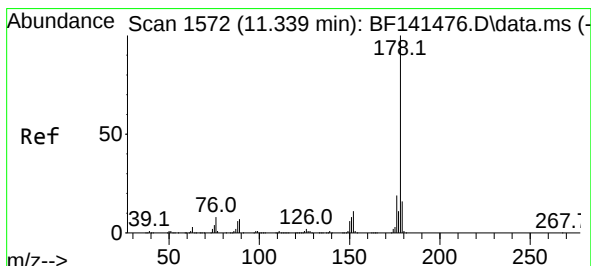
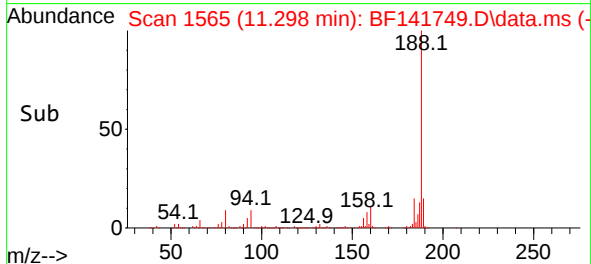
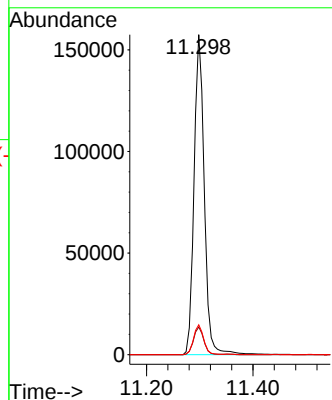
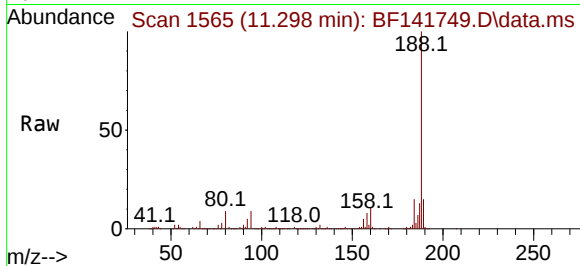




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

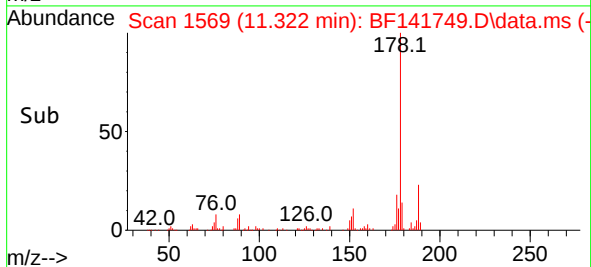
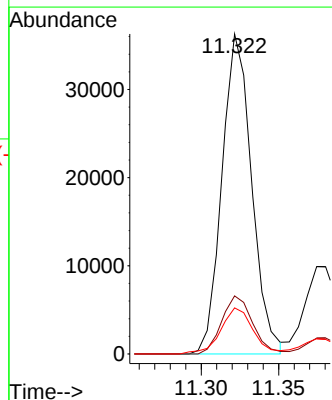
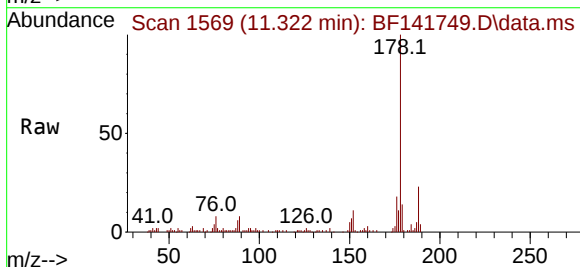
Instrument :
BNA_F
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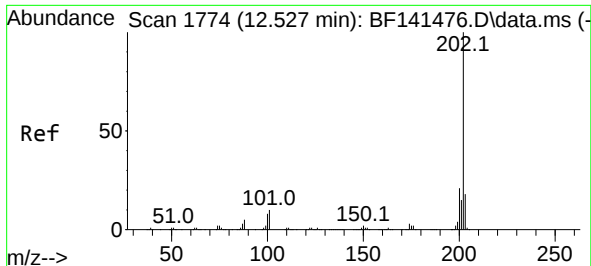
Tgt Ion:188 Resp: 210650
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.3 7.3 10.9



#71
Phenanthrene
Concen: 4.172 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

Tgt Ion:178 Resp: 48373
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 14.4 12.4 18.6

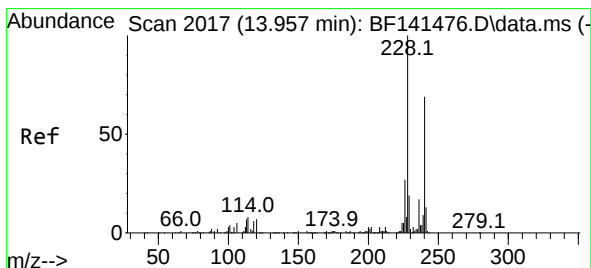
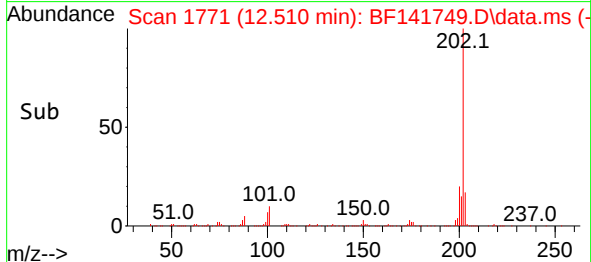
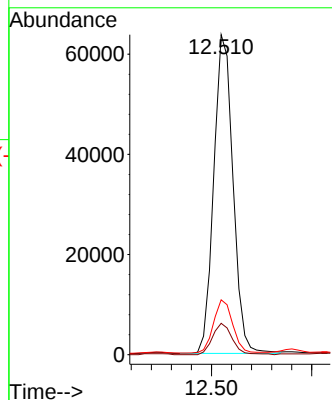
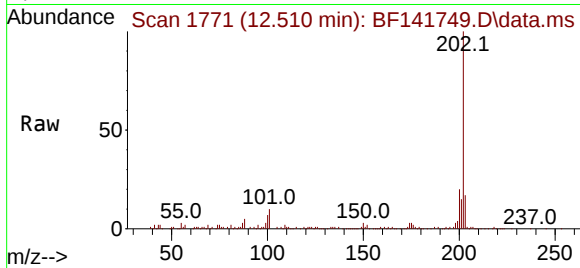




#75
Fluoranthene
Concen: 6.895 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

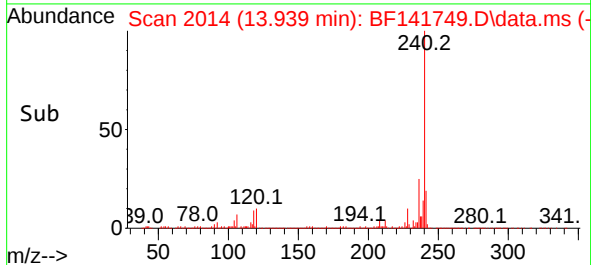
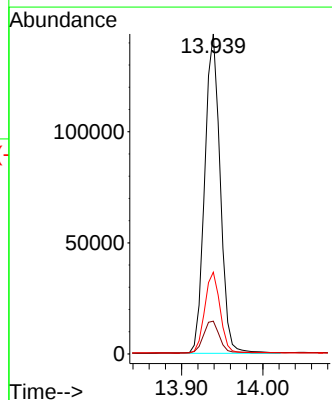
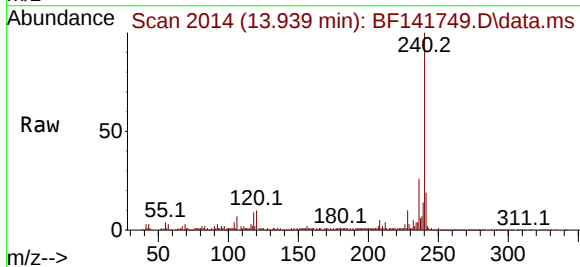
Instrument :
BNA_F
ClientSampleId :
HR-03-02212025

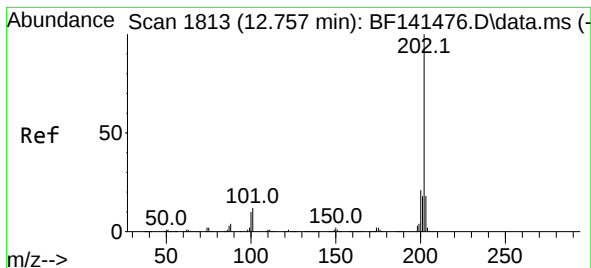
Tgt Ion:202 Resp: 84765
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.1 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

Tgt Ion:240 Resp: 190511
Ion Ratio Lower Upper
240 100
120 10.2 8.0 12.0
236 25.5 19.8 29.8





#78

Pyrene

Concen: 5.214 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.023 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

Instrument :

BNA_F

ClientSampleId :

HR-03-02212025

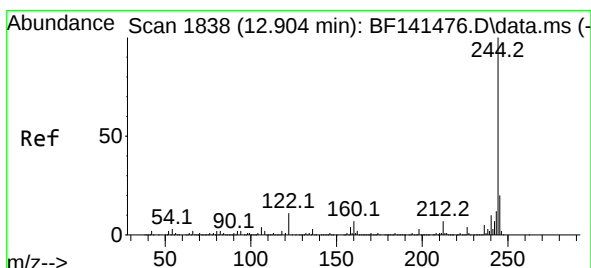
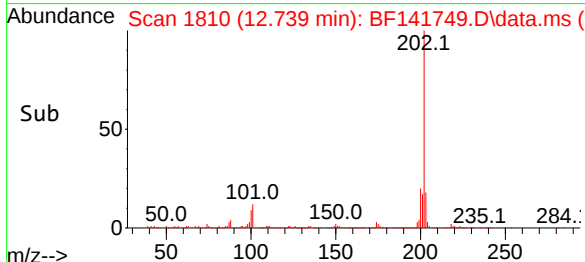
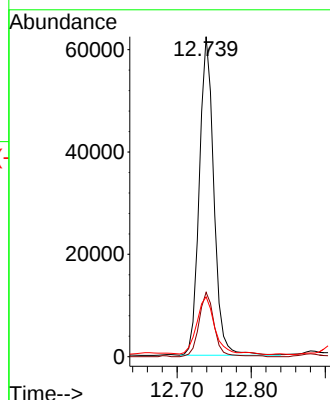
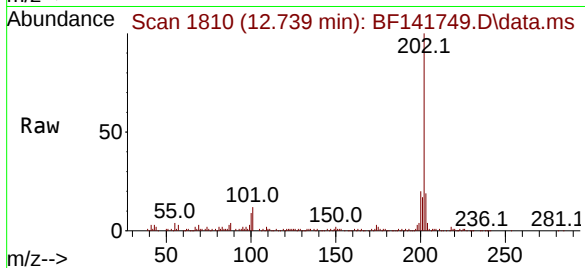
Tgt Ion:202 Resp: 84558

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.4

203 18.7 14.3 21.5



#79

Terphenyl-d14

Concen: 25.017 ng

RT: 12.880 min Scan# 1834

Delta R.T. -0.023 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

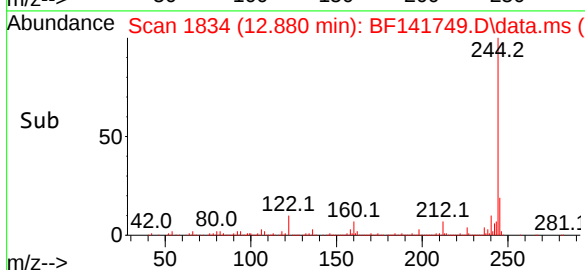
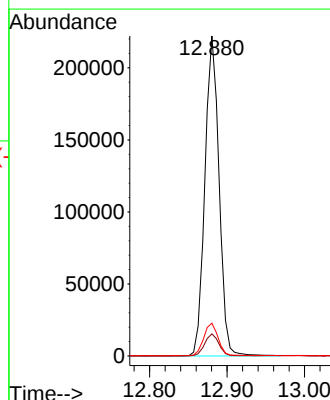
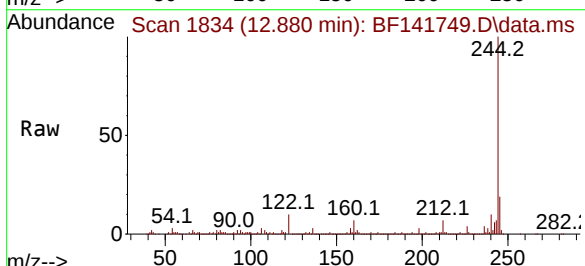
Tgt Ion:244 Resp: 282323

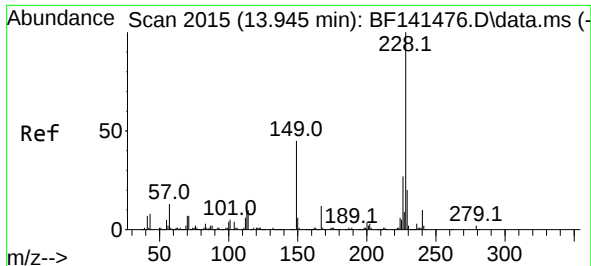
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.3 8.4 12.6

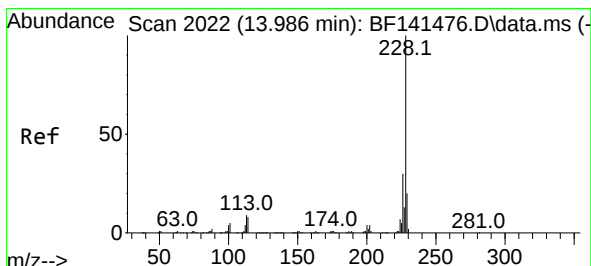
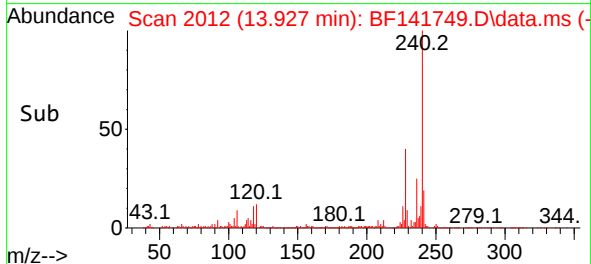
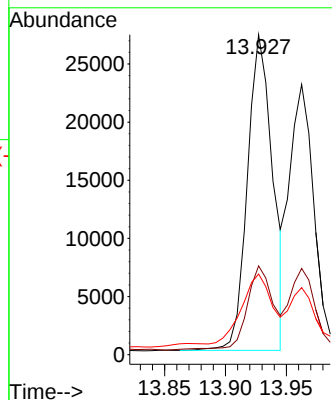
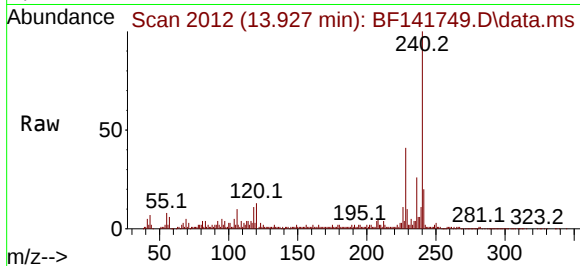




#81
Benzo(a)anthracene
Concen: 3.102 ng
RT: 13.927 min Scan# 2015
Delta R.T. -0.023 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

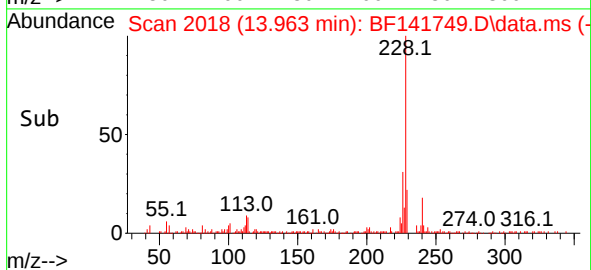
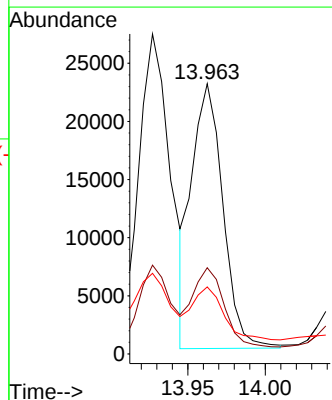
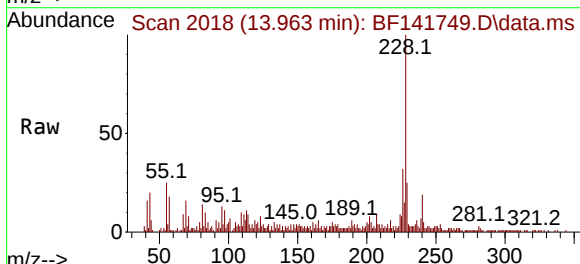
Instrument :
BNA_F
ClientSampleId :
HR-03-02212025

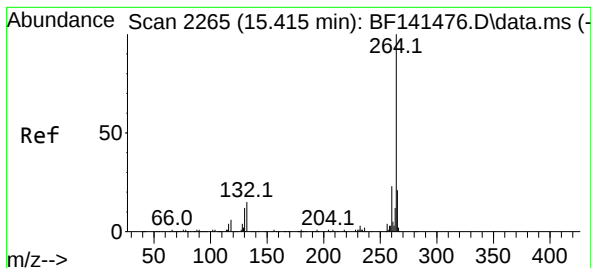
Tgt Ion:228 Resp: 39282
Ion Ratio Lower Upper
228 100
226 27.7 21.8 32.8
229 25.2 15.8 23.6#



#83
Chrysene
Concen: 2.723 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.029 min
Lab File: BF141749.D
Acq: 24 Feb 2025 17:38

Tgt Ion:228 Resp: 31845
Ion Ratio Lower Upper
228 100
226 31.9 24.0 36.0
229 24.8 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 2189

Delta R.T. -0.029 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

Instrument :

BNA_F

ClientSampleId :

HR-03-02212025

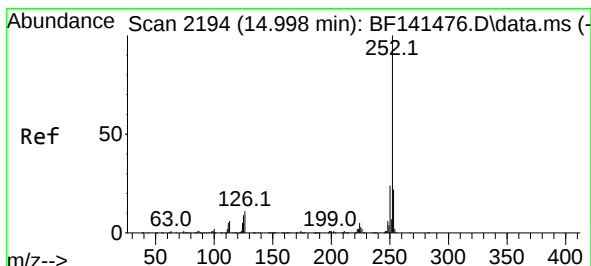
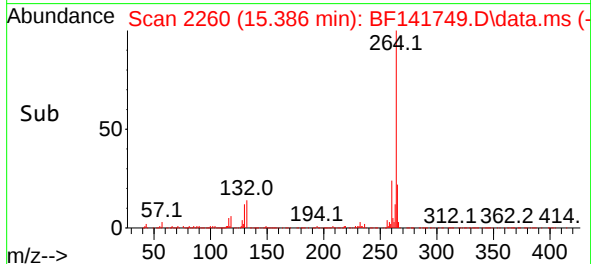
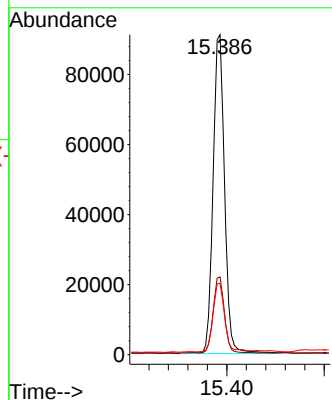
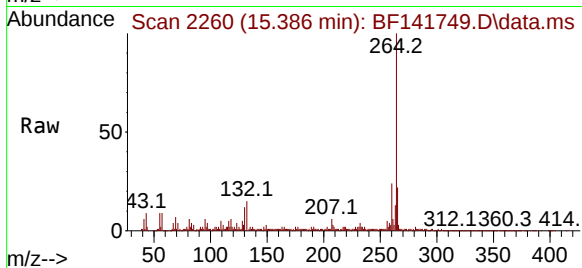
Tgt Ion:264 Resp: 148532

Ion Ratio Lower Upper

264 100

260 24.3 18.6 28.0

265 22.3 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 4.445 ng

RT: 14.968 min Scan# 2189

Delta R.T. -0.035 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

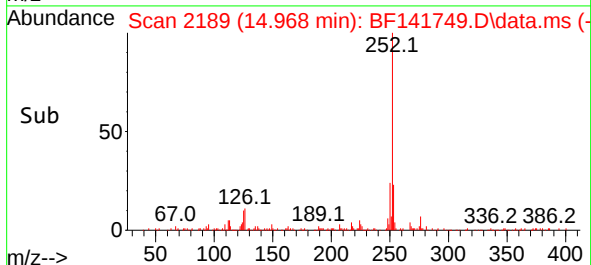
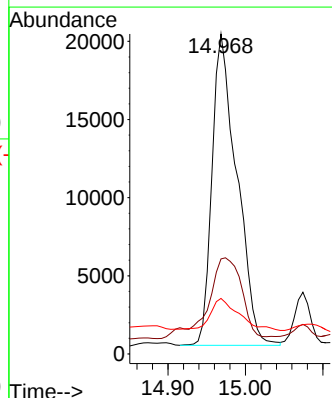
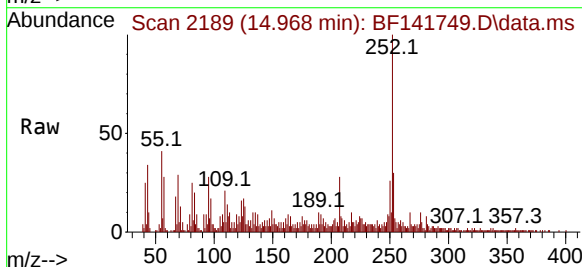
Tgt Ion:252 Resp: 44333

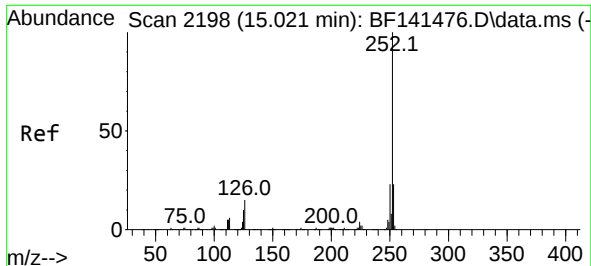
Ion Ratio Lower Upper

252 100

253 29.7 17.5 26.3#

125 17.4 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 5.206 ng

RT: 14.968 min Scan# 21

Delta R.T. -0.065 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

Instrument :

BNA_F

ClientSampleId :

HR-03-02212025

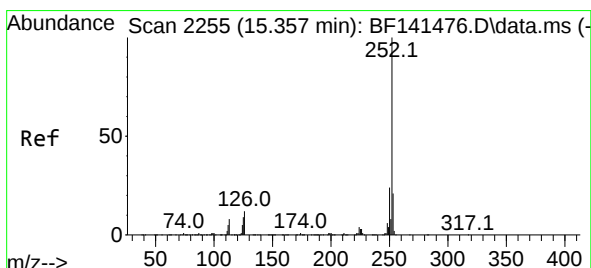
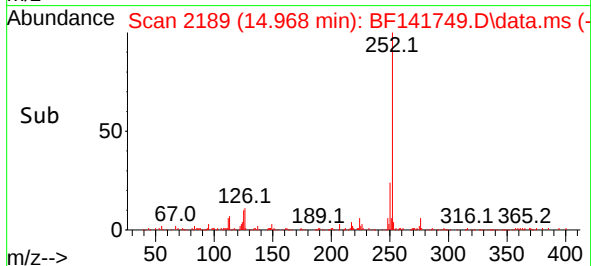
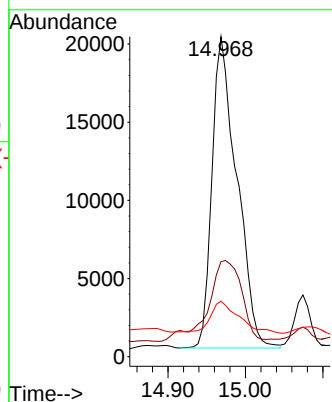
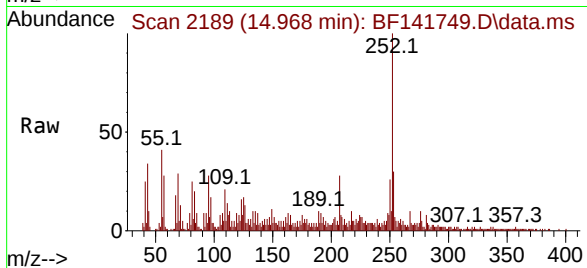
Tgt Ion:252 Resp: 44333

Ion Ratio Lower Upper

252 100

253 29.7 18.0 27.0#

125 17.4 7.4 11.0#



#90

Benzo(a)pyrene

Concen: 2.947 ng

RT: 15.321 min Scan# 2249

Delta R.T. -0.041 min

Lab File: BF141749.D

Acq: 24 Feb 2025 17:38

Tgt Ion:252 Resp: 23780

Ion Ratio Lower Upper

252 100

253 27.9 17.1 25.7#

125 21.0 7.4 11.2#

