

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141511.D
 Acq On : 07 Feb 2025 16:50
 Operator : RC/JU
 Sample : Q1299-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Feb 07 17:16:35 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

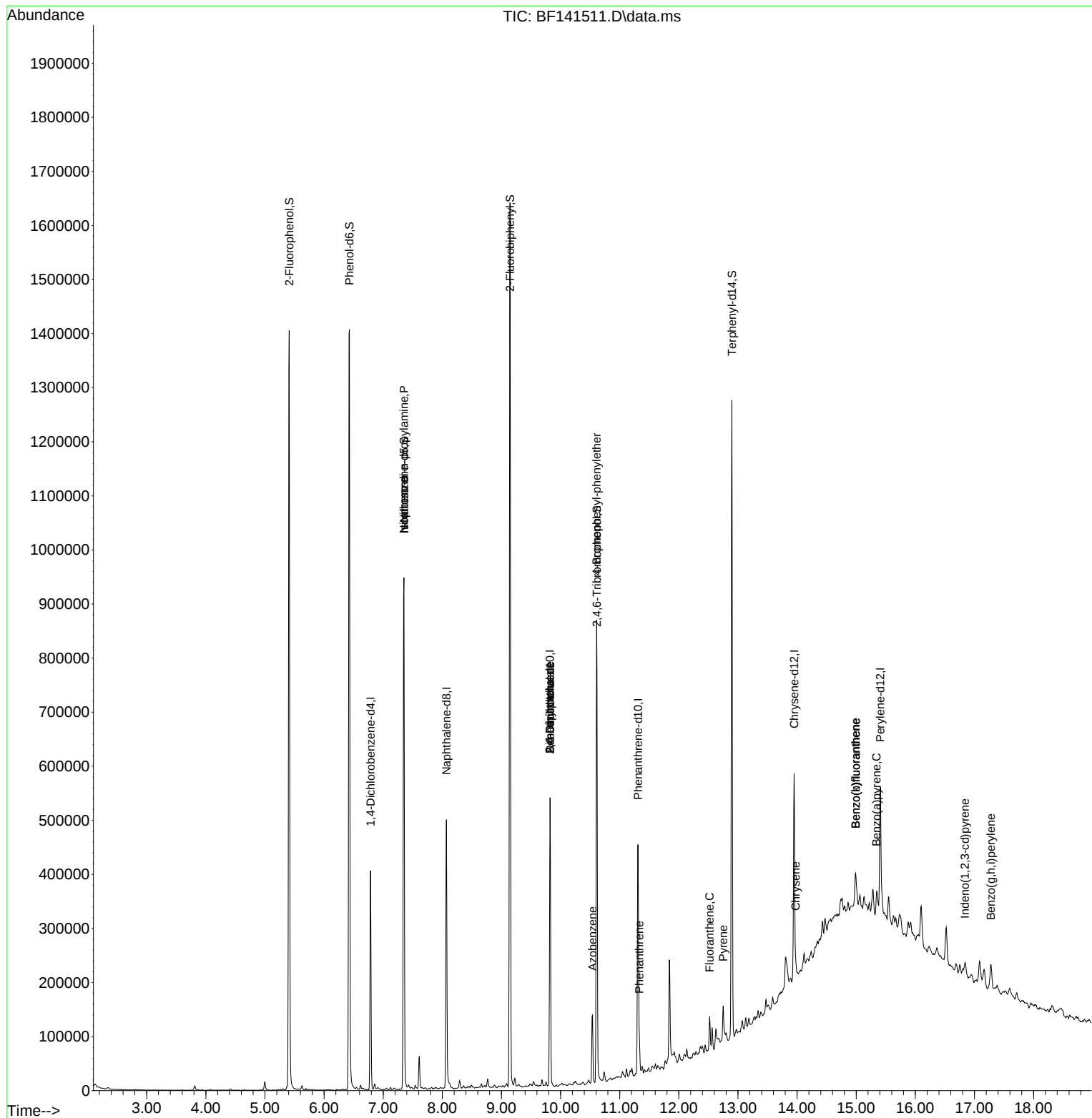
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	80315	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	311407	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	153811	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	215425	20.000	ng	0.00
76) Chrysene-d12	13.951	240	174139	20.000	ng	-0.01
86) Perylene-d12	15.409	264	137838	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	516649	100.850	ng	0.00
7) Phenol-d6	6.428	99	634047	97.922	ng	-0.01
23) Nitrobenzene-d5	7.351	82	424068	71.028	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	132142	85.523	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	709067	71.023	ng	0.00
79) Terphenyl-d14	12.898	244	568395	55.102	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.351	70	57952	14.963	ng	# 75
25) Isophorone	7.351	82	412330	43.313	ng	# 66
50) Dimethylphthalate	9.822	163	22508	2.156	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	20612	9.030	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	20612	6.783	ng	# 19
63) Azobenzene	10.539	77	31329	3.067	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	9144	3.798	ng	# 1
71) Phenanthrene	11.333	178	31037	2.617	ng	98
75) Fluoranthene	12.521	202	35503	2.824	ng	99
78) Pyrene	12.751	202	37861	2.554	ng	99
83) Chrysene	13.974	228	24382	2.281	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.839	276	22132	2.599	ng	95
88) Benzo(b)fluoranthene	14.992	252	35970	3.886	ng	# 68
89) Benzo(k)fluoranthene	14.992	252	35970	4.551	ng	# 70
90) Benzo(a)pyrene	15.345	252	19126	2.554	ng	# 74
92) Benzo(g,h,i)perylene	17.280	276	38506	5.332	ng	93

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

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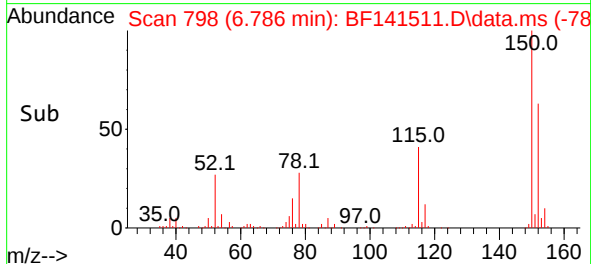
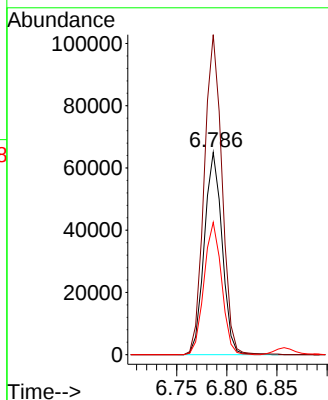
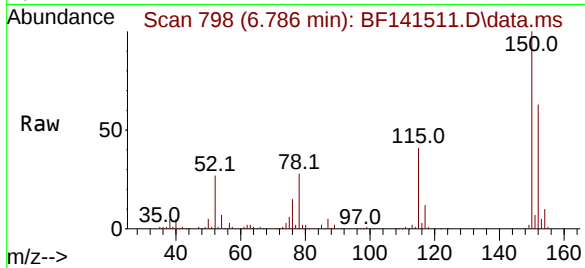




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

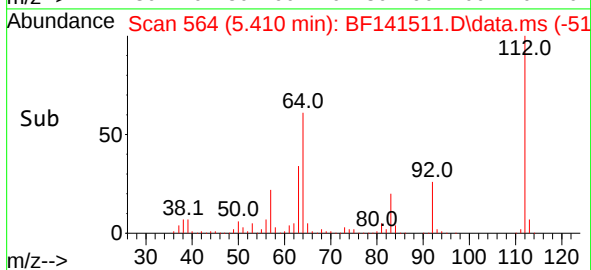
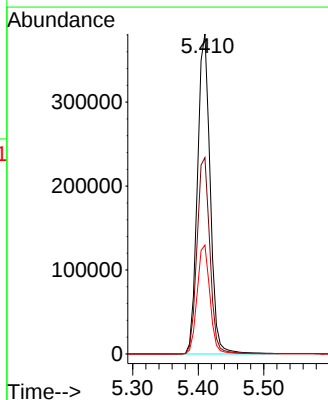
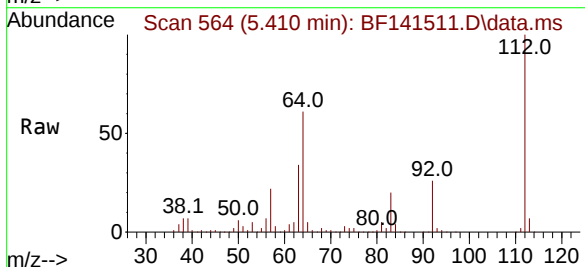
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:152 Resp: 80315
Ion Ratio Lower Upper
152 100
150 158.2 125.0 187.4
115 65.4 53.6 80.4



#5
2-Fluorophenol
Concen: 100.850 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

Tgt Ion:112 Resp: 516649
Ion Ratio Lower Upper
112 100
64 61.3 51.1 76.7
63 34.0 28.4 42.6

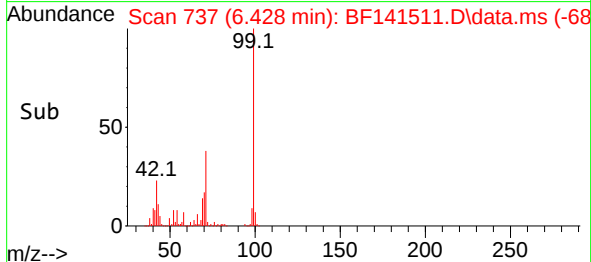
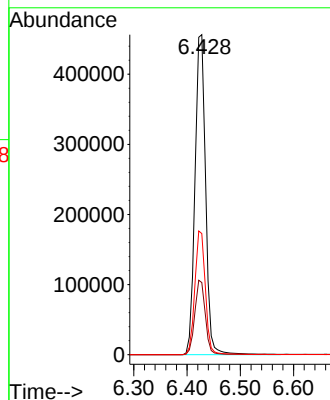
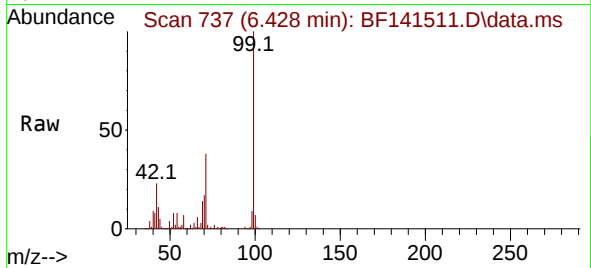




#7
Phenol-d6
Concen: 97.922 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

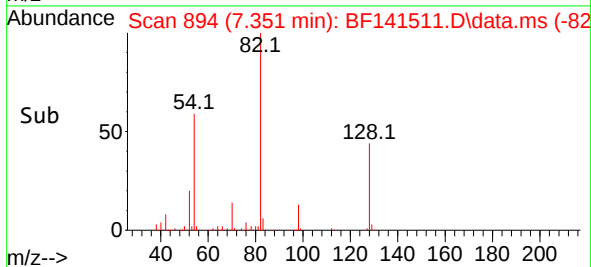
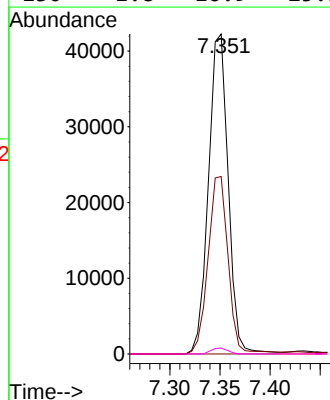
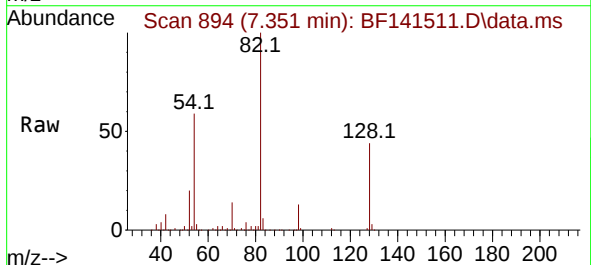
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion: 99 Resp: 634047
Ion Ratio Lower Upper
99 100
42 22.6 19.1 28.7
71 37.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.963 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

Tgt Ion: 70 Resp: 57952
Ion Ratio Lower Upper
70 100
42 55.4 57.4 86.2#
101 0.0 8.0 12.0#
130 1.8 16.9 25.3#

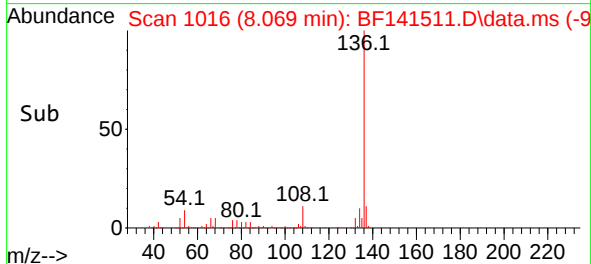
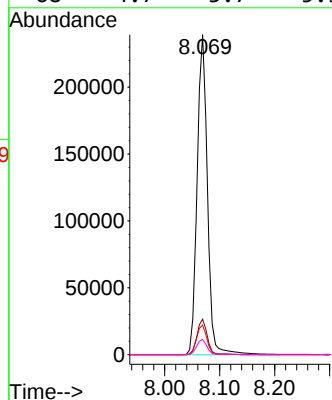
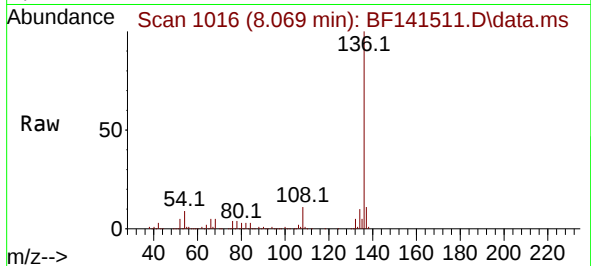




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

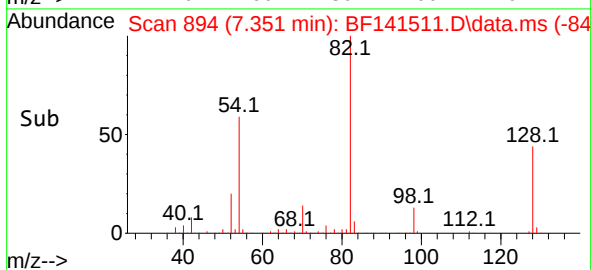
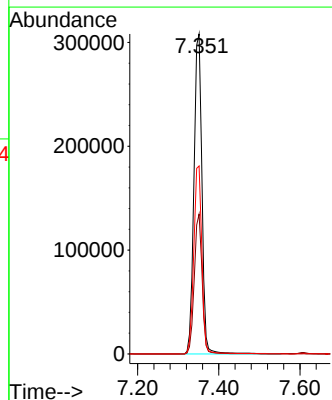
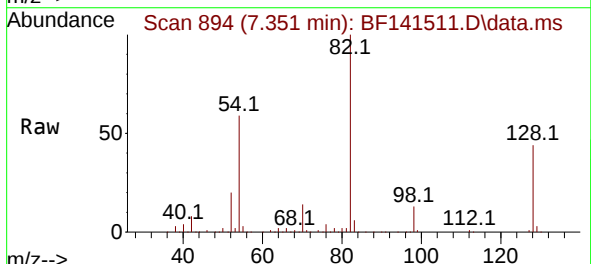
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:	136	Resp:	311407
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.2	7.2	10.8
68	4.7	3.7	5.5



#23
Nitrobenzene-d5
Concen: 71.028 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

Tgt Ion:	82	Resp:	424068
Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.8	52.2
54	58.8	48.2	72.4

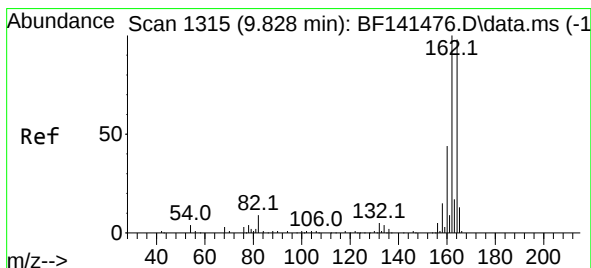
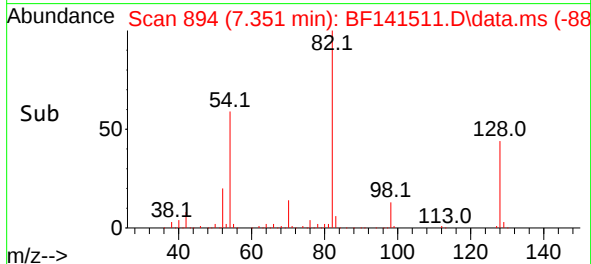
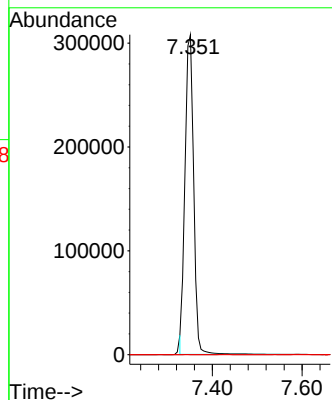
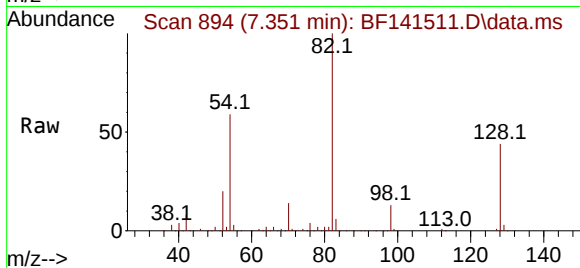




#25
Isophorone
Concen: 43.313 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

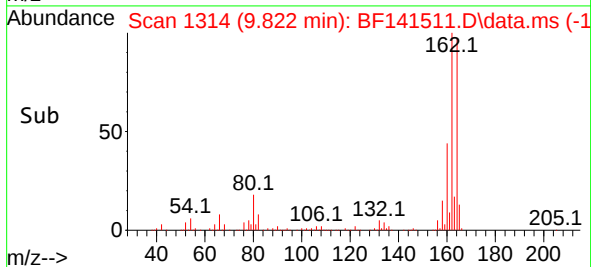
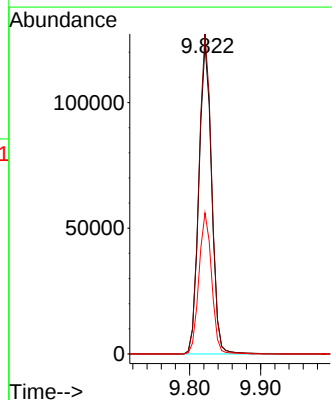
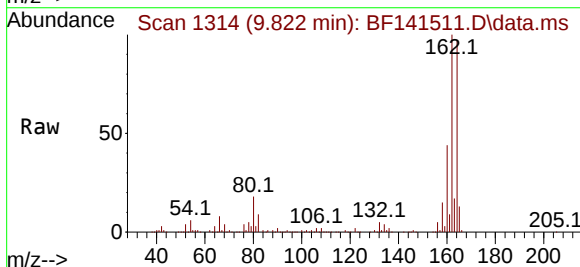
Instrument :
BNA_F
ClientSampleId :
WC-2

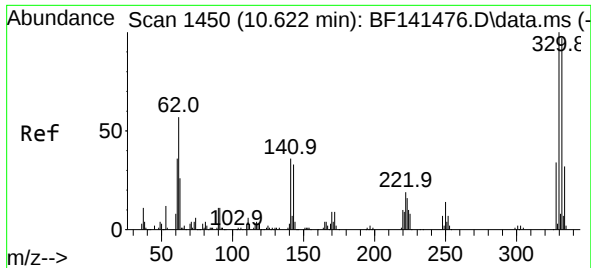
Tgt Ion: 82 Resp: 412330
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

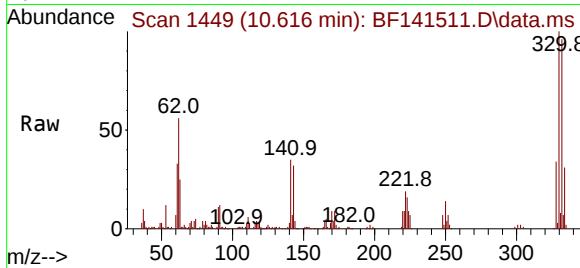
Tgt Ion:164 Resp: 153811
Ion Ratio Lower Upper
164 100
162 103.4 81.3 121.9
160 45.6 35.9 53.9



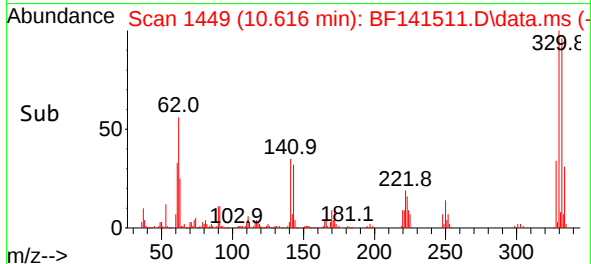
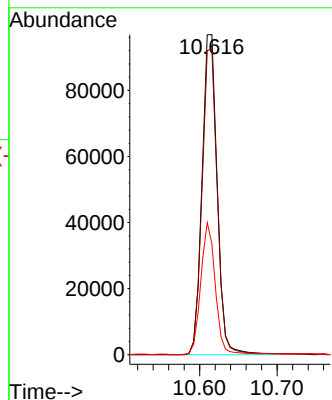


#42
2,4,6-Tribromophenol
Concen: 85.523 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

Instrument :
BNA_F
ClientSampleId :
WC-2

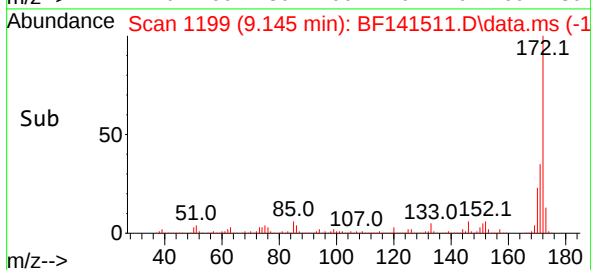
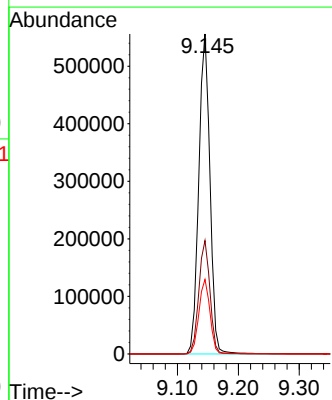
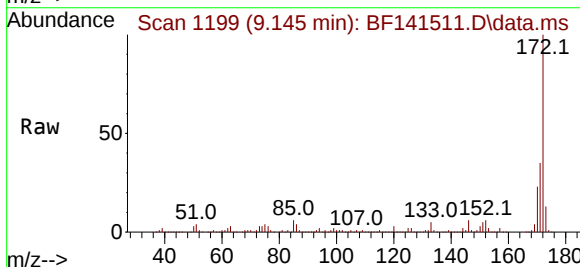


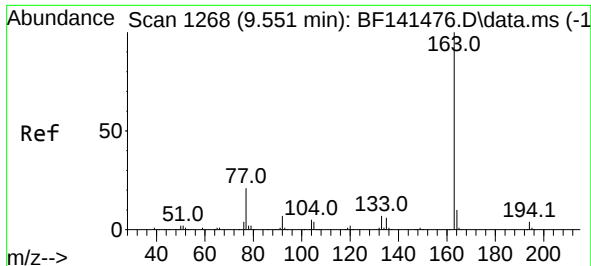
Tgt Ion:330 Resp: 132142
Ion Ratio Lower Upper
330 100
332 95.6 78.5 117.7
141 39.6 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 71.023 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

Tgt Ion:172 Resp: 709067
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.3 18.9 28.3

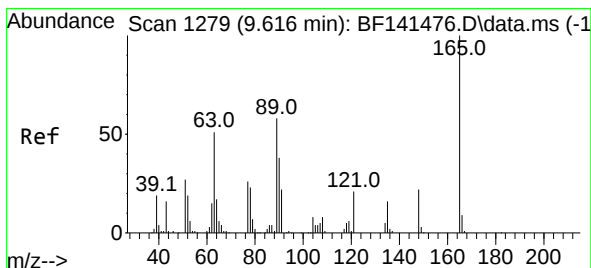
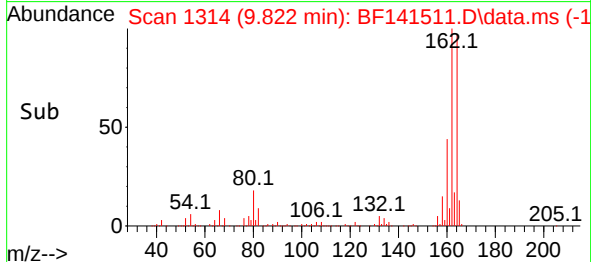
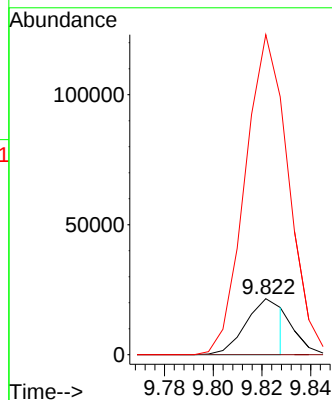
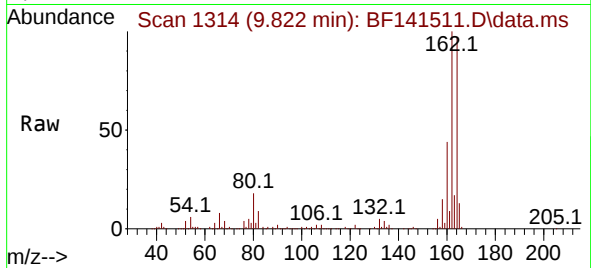




#50
Dimethylphthalate
Concen: 2.156 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

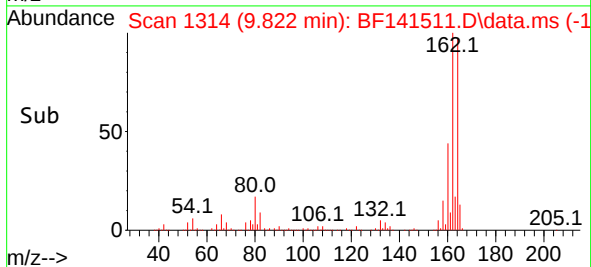
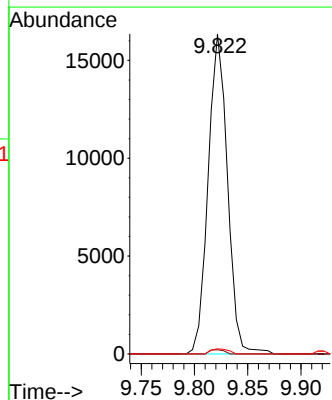
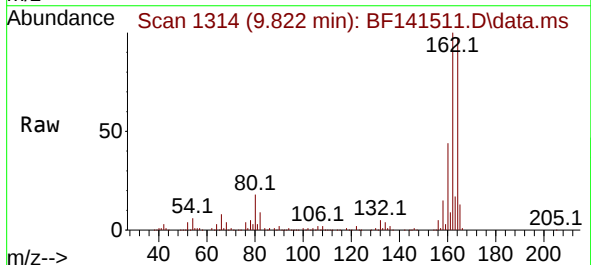
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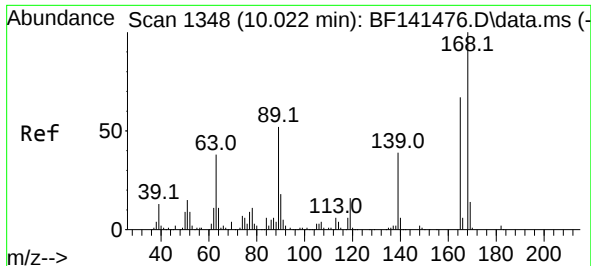
Tgt Ion:163 Resp: 22508
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 571.3 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 9.030 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

Tgt Ion:165 Resp: 20612
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.0#
89 1.6 46.5 69.7#

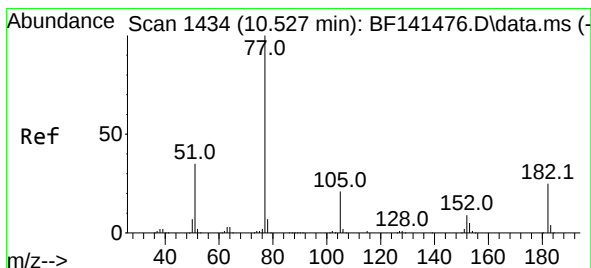
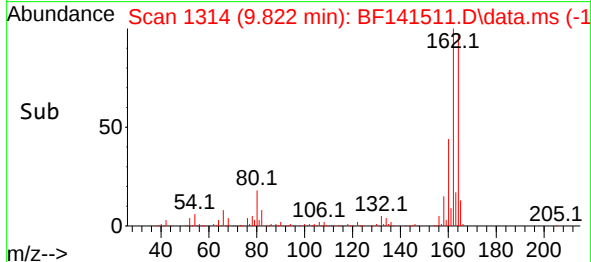
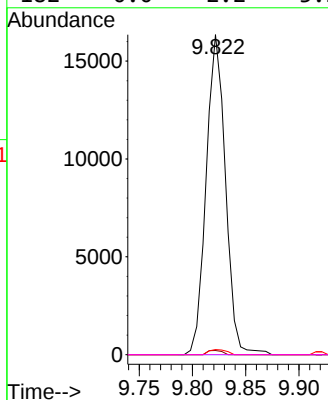
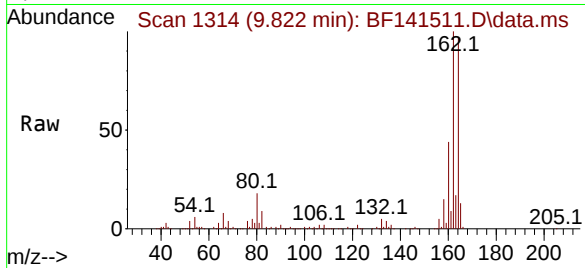




#57
2,4-Dinitrotoluene
Concen: 6.783 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

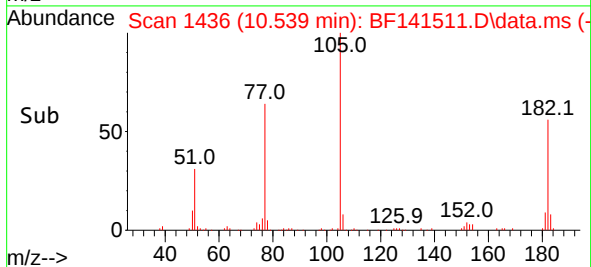
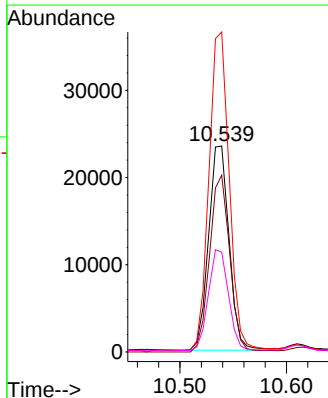
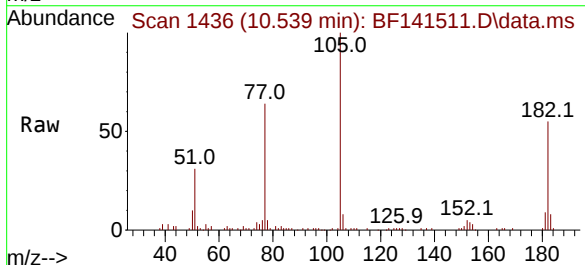
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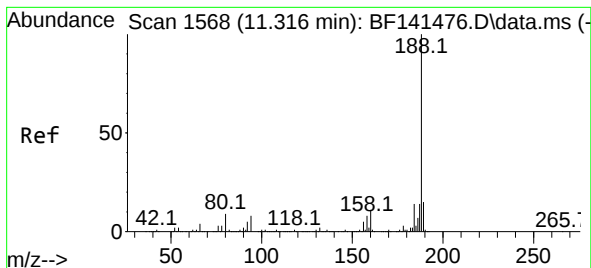
Tgt Ion:165 Resp: 20612
Ion Ratio Lower Upper
165 100
63 1.3 46.4 69.6#
89 1.6 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.067 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

Tgt Ion: 77 Resp: 31329
Ion Ratio Lower Upper
77 100
182 85.8 4.7 44.7#
105 155.4 0.4 40.4#
51 48.5 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Instrument :

BNA_F

ClientSampleId :

WC-2

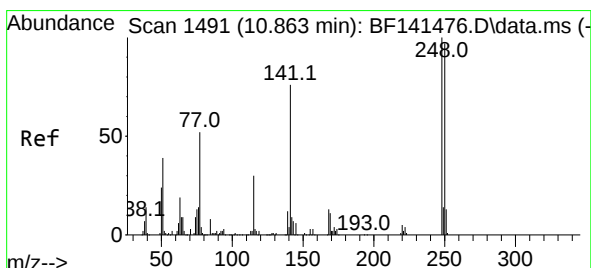
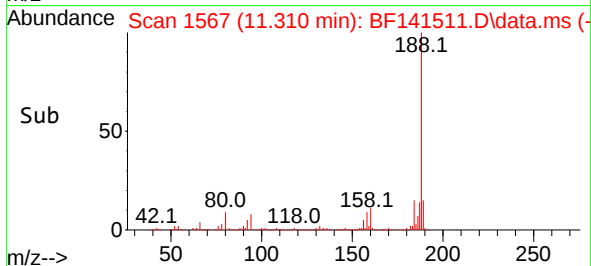
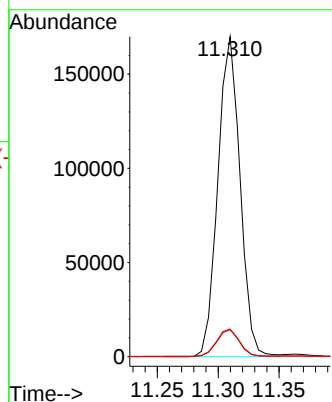
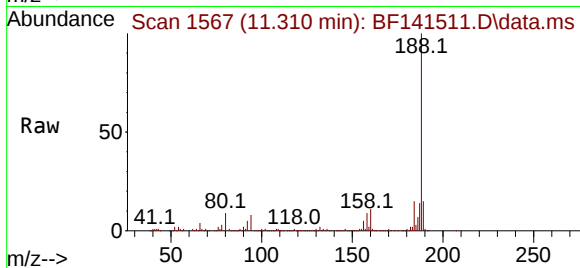
Tgt Ion:188 Resp: 215425

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 8.7 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.798 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

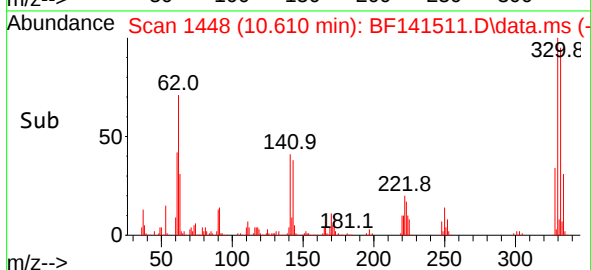
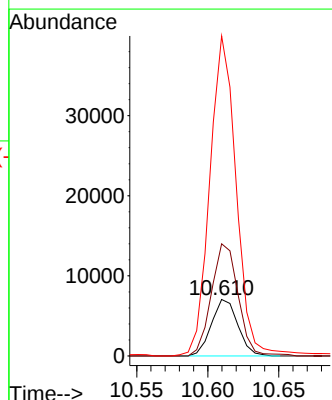
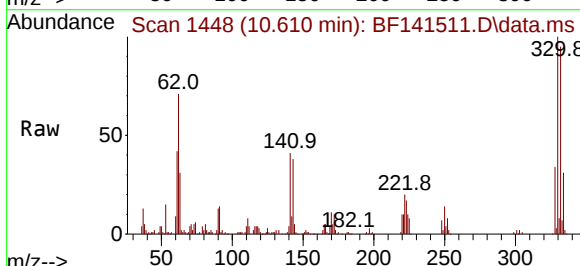
Tgt Ion:248 Resp: 9144

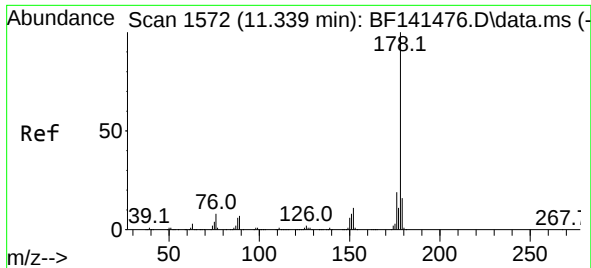
Ion Ratio Lower Upper

248 100

250 198.6 77.8 116.6#

141 566.5 60.6 90.8#

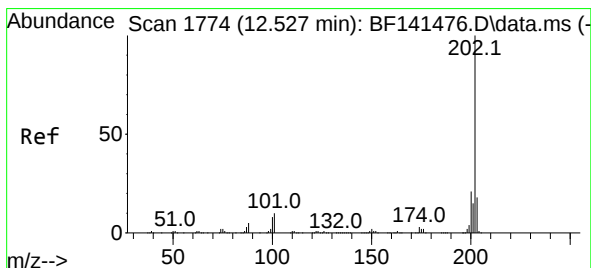
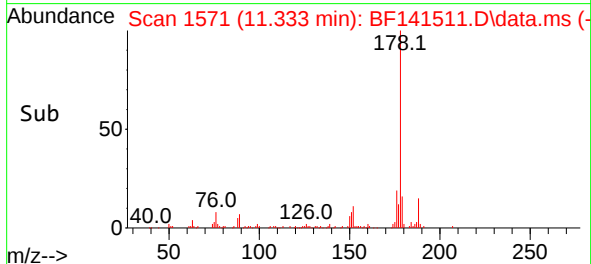
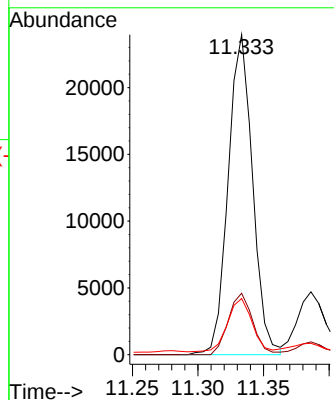
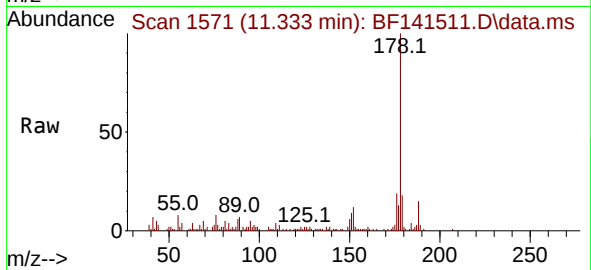




#71
Phenanthrene
Concen: 2.617 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

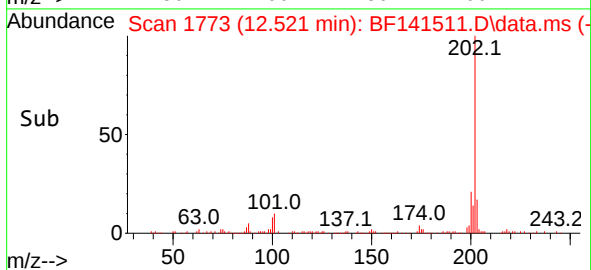
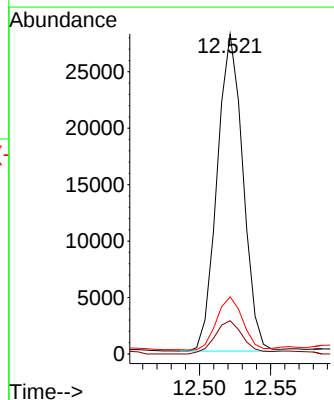
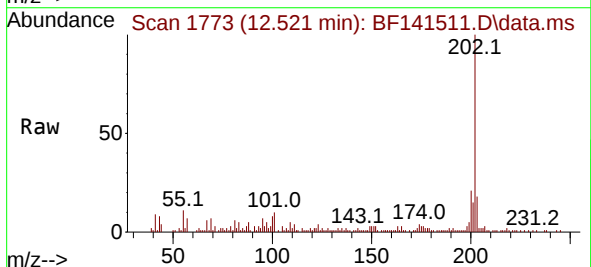
Instrument :
BNA_F
ClientSampleId :
WC-2

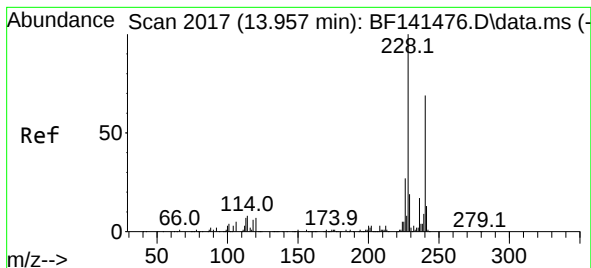
Tgt Ion:178 Resp: 31037
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 17.5 12.4 18.6



#75
Fluoranthene
Concen: 2.824 ng
RT: 12.521 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

Tgt Ion:202 Resp: 35503
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.2
203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Instrument :

BNA_F

ClientSampleId :

WC-2

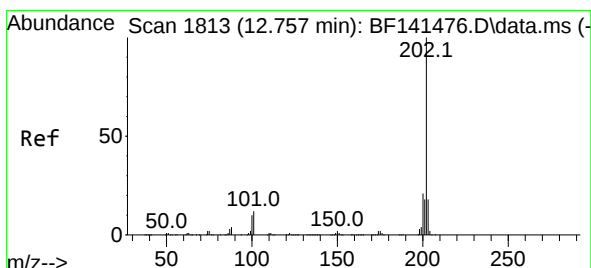
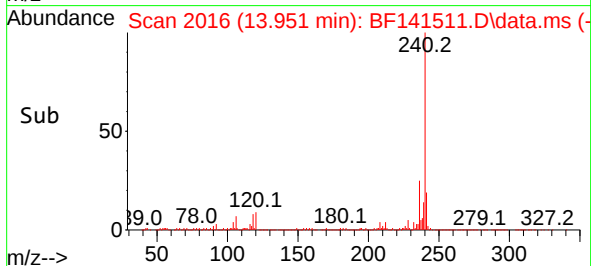
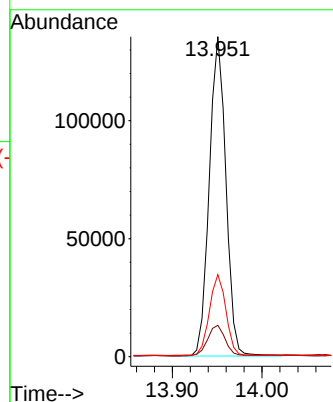
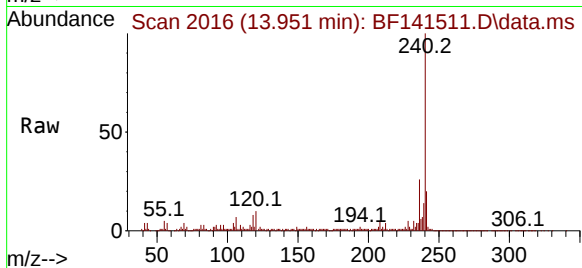
Tgt Ion:240 Resp: 174139

Ion Ratio Lower Upper

240 100

120 9.8 8.0 12.0

236 25.6 19.8 29.8



#78

Pyrene

Concen: 2.554 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

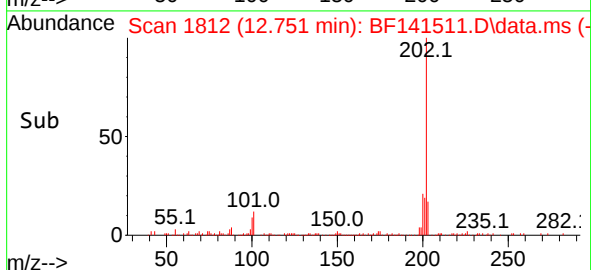
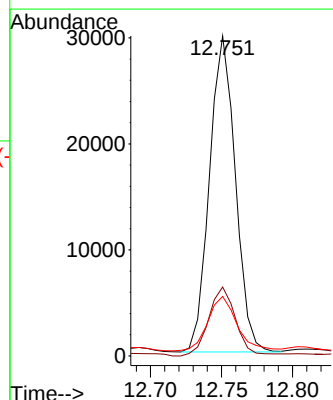
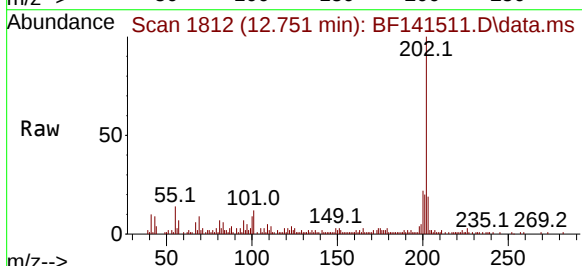
Tgt Ion:202 Resp: 37861

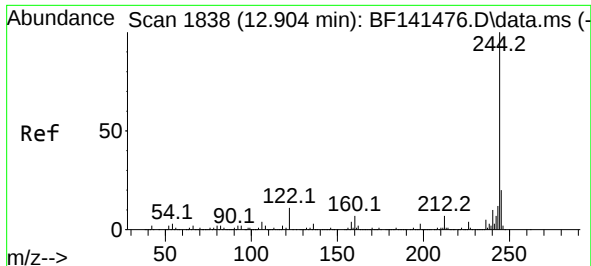
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

203 18.6 14.3 21.5

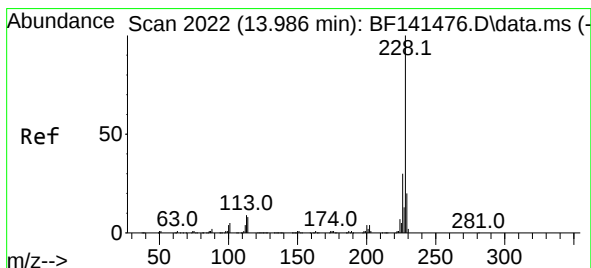
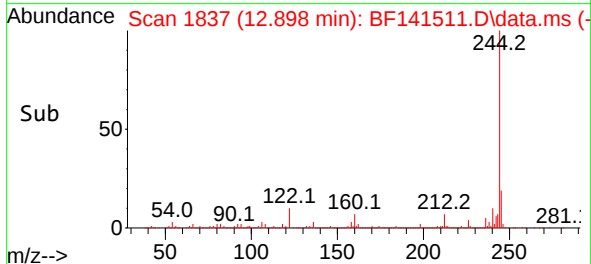
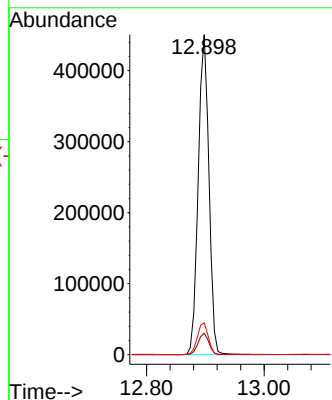
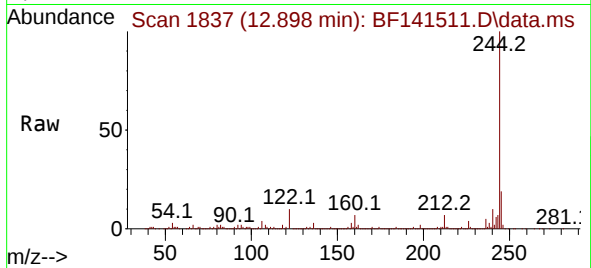




#79
 Terphenyl-d14
 Concen: 55.102 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141511.D
 Acq: 07 Feb 2025 16:50

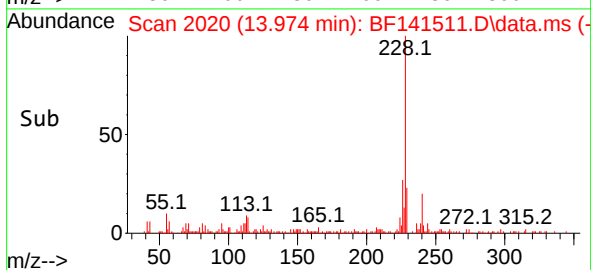
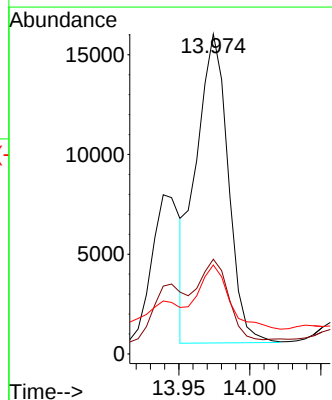
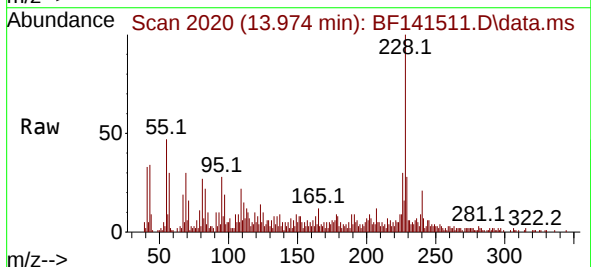
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

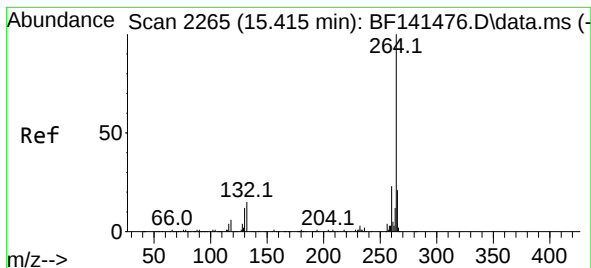
Tgt Ion:244 Resp: 568395
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 9.9 8.4 12.6



#83
 Chrysene
 Concen: 2.281 ng
 RT: 13.974 min Scan# 2020
 Delta R.T. -0.018 min
 Lab File: BF141511.D
 Acq: 07 Feb 2025 16:50

Tgt Ion:228 Resp: 24382
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.0 36.0
 229 27.8 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Instrument :

BNA_F

ClientSampleId :

WC-2

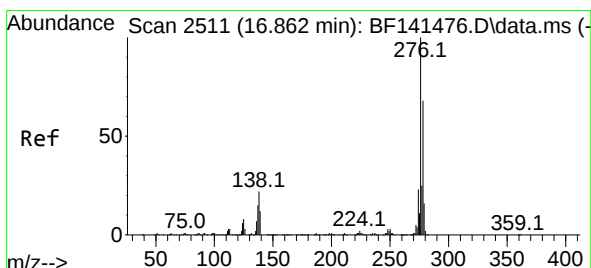
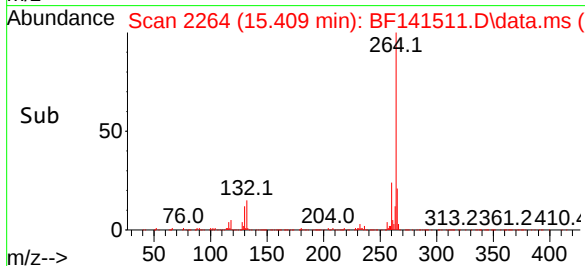
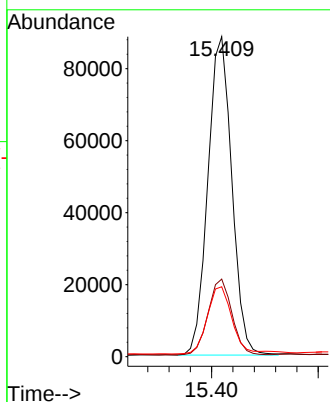
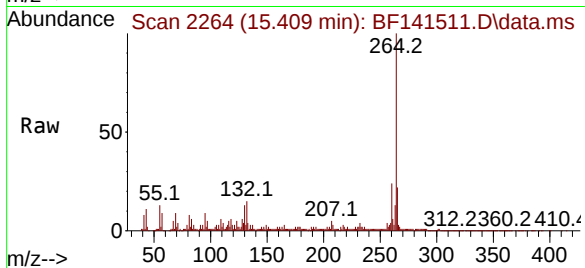
Tgt Ion:264 Resp: 137838

Ion Ratio Lower Upper

264 100

260 24.2 18.6 28.0

265 21.8 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.599 ng

RT: 16.839 min Scan# 2507

Delta R.T. -0.035 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

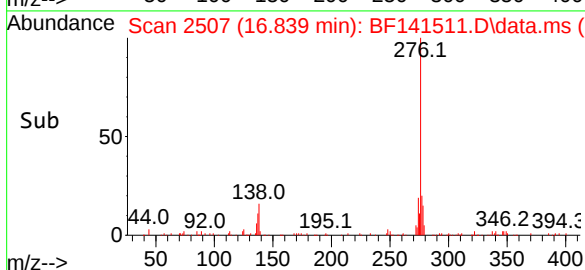
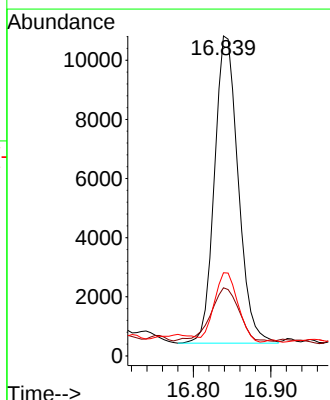
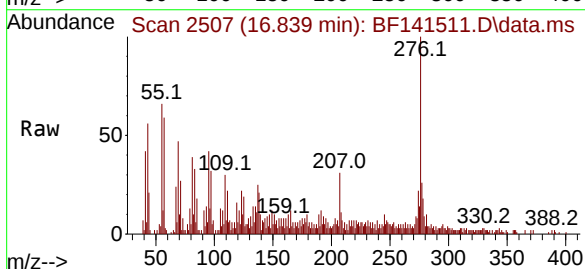
Tgt Ion:276 Resp: 22132

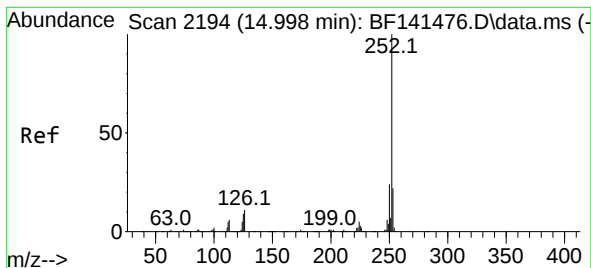
Ion Ratio Lower Upper

276 100

138 20.6 18.0 27.0

277 22.7 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 3.886 ng

RT: 14.992 min Scan# 2193

Delta R.T. -0.012 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Instrument :

BNA_F

ClientSampleId :

WC-2

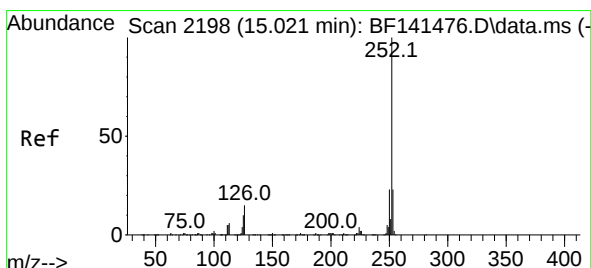
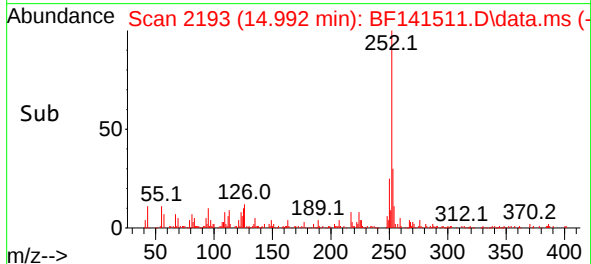
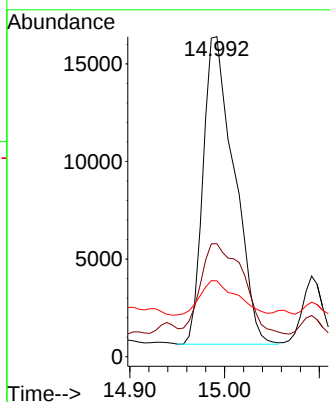
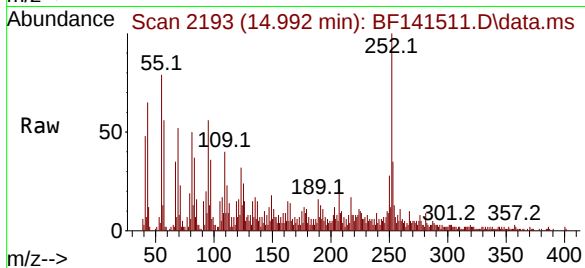
Tgt Ion:252 Resp: 35970

Ion Ratio Lower Upper

252 100

253 35.3 17.5 26.3#

125 23.7 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 4.551 ng

RT: 14.992 min Scan# 2193

Delta R.T. -0.041 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

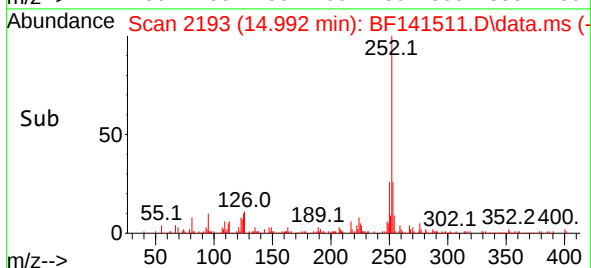
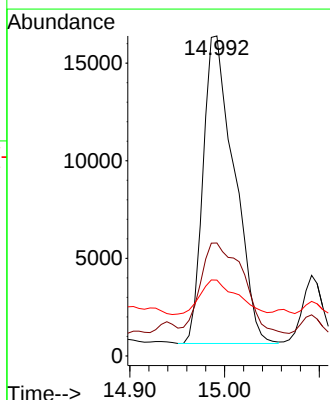
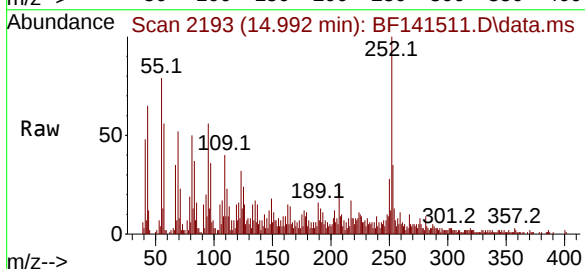
Tgt Ion:252 Resp: 35970

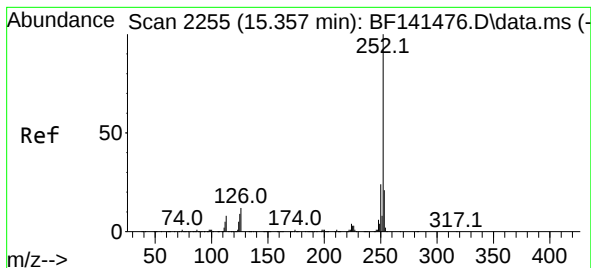
Ion Ratio Lower Upper

252 100

253 35.3 18.0 27.0#

125 23.7 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 2.554 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Instrument :

BNA_F

ClientSampleId :

WC-2

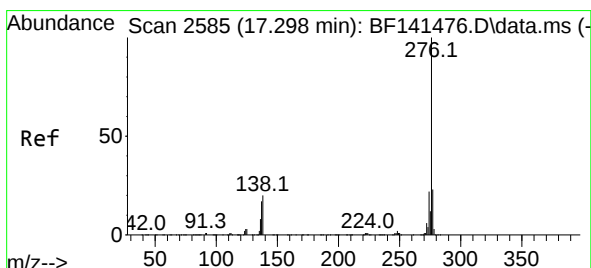
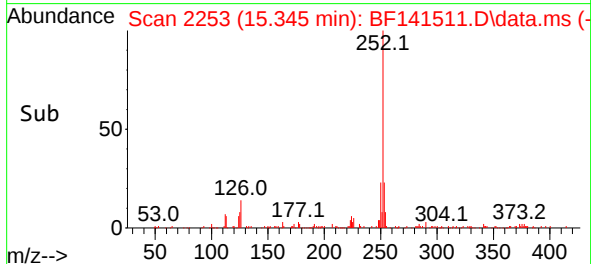
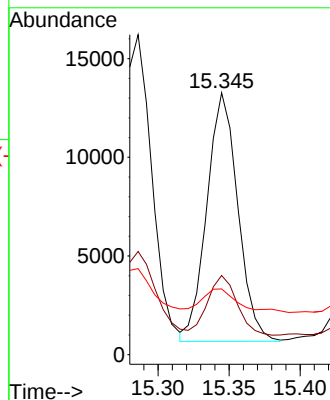
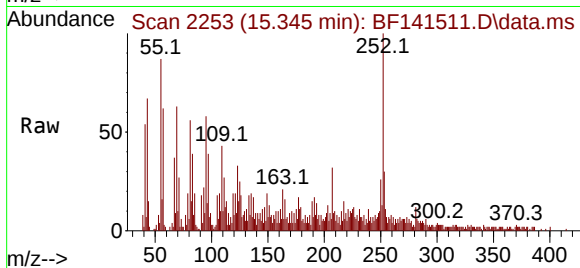
Tgt Ion:252 Resp: 19126

Ion Ratio Lower Upper

252 100

253 30.3 17.1 25.7#

125 25.1 7.4 11.2#



#92

Benzo(g,h,i)perylene

Concen: 5.332 ng

RT: 17.280 min Scan# 2582

Delta R.T. -0.035 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Tgt Ion:276 Resp: 38506

Ion Ratio Lower Upper

276 100

277 26.7 18.6 28.0

138 22.9 15.9 23.9

