

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
 Data File : BF142432.D
 Acq On : 16 May 2025 17:43
 Operator : RC/JU
 Sample : Q2034-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L3-WC-5

Quant Time: May 16 18:41:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

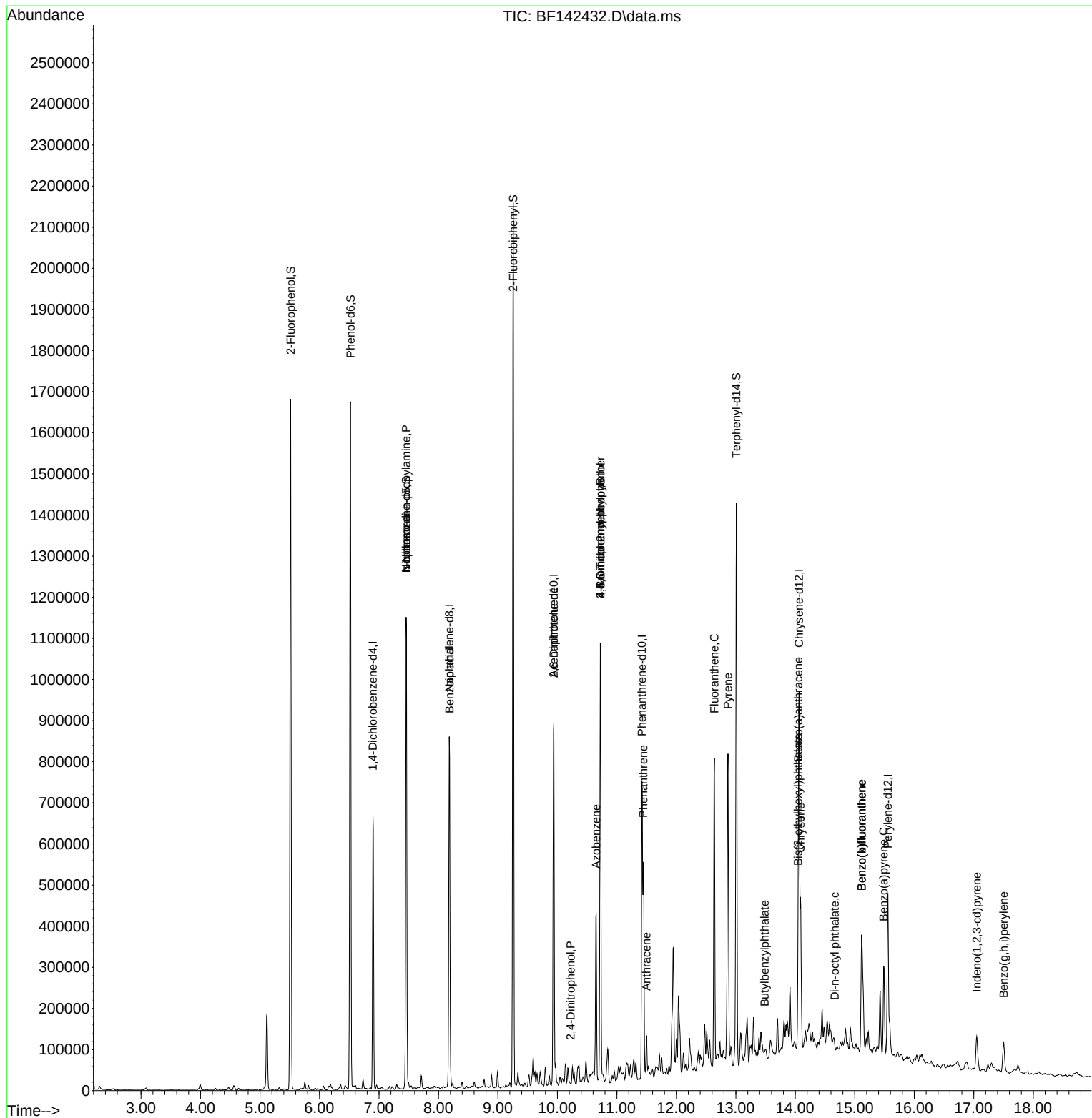
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	144656	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	546027	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	273883	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	381184	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	291502	20.000	ng	0.00
86) Perylene-d12	15.557	264	237298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	659986	77.885	ng	0.00
7) Phenol-d6	6.522	99	809821	77.701	ng	0.00
23) Nitrobenzene-d5	7.457	82	484093	54.070	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	182449	68.997	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	949666	49.441	ng	0.00
79) Terphenyl-d14	13.010	244	659704	33.497	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	64985	10.080	ng	# 78
25) Isophorone	7.457	82	479641	28.291	ng	# 62
32) Benzoic acid	8.186	122	135	6.045	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	36996	11.238	ng	# 23
54) 2,4-Dinitrophenol	10.222	184	58	7.693	ng	# 1
63) Azobenzene	10.651	77	94463	5.628	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	222	7.291	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	11655	2.698	ng	# 1
71) Phenanthrene	11.445	178	272666	13.646	ng	99
72) Anthracene	11.498	178	56718	2.763	ng	97
75) Fluoranthene	12.639	202	430526	21.555	ng	98
78) Pyrene	12.868	202	443834	17.106	ng	100
80) Butylbenzylphthalate	13.486	149	523	3.723	ng	# 35
81) Benzo(a)anthracene	14.051	228	220397	11.675	ng	97
83) Chrysene	14.086	228	199995	11.380	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	16487	5.761	ng	100
85) Di-n-octyl phthalate	14.662	149	517	7.864	ng	# 73
87) Indeno(1,2,3-cd)pyrene	17.051	276	63137	3.825	ng	94
88) Benzo(b)fluoranthene	15.115	252	256922	17.876	ng	100
89) Benzo(k)fluoranthene	15.115	252	256922	19.534	ng	99
90) Benzo(a)pyrene	15.486	252	138688	10.769	ng	99
92) Benzo(g,h,i)perylene	17.503	276	61856	4.570	ng	97

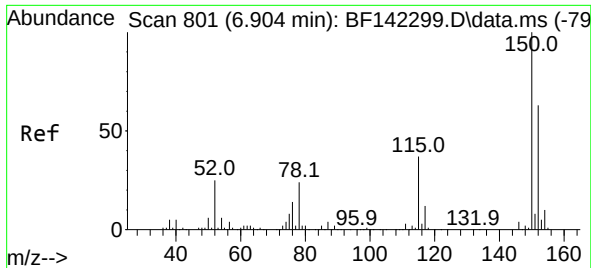
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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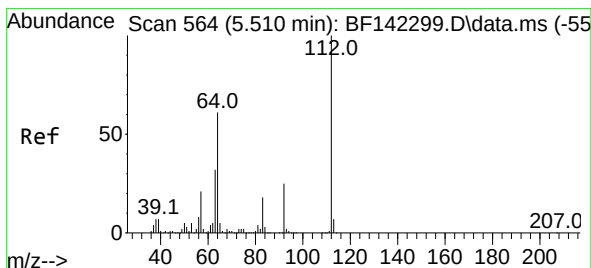
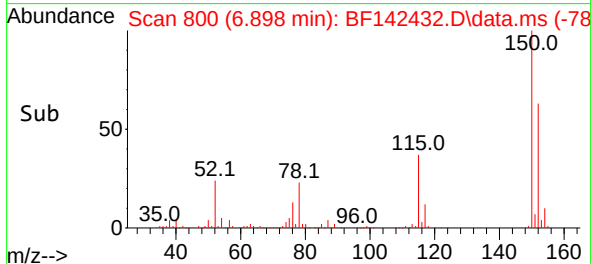
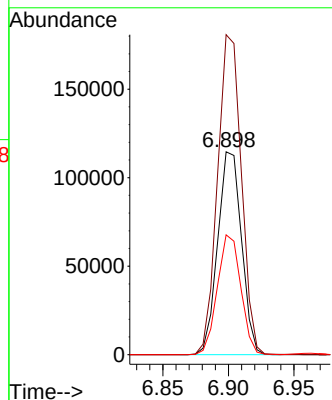
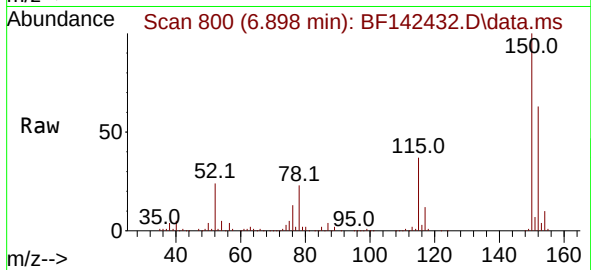




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

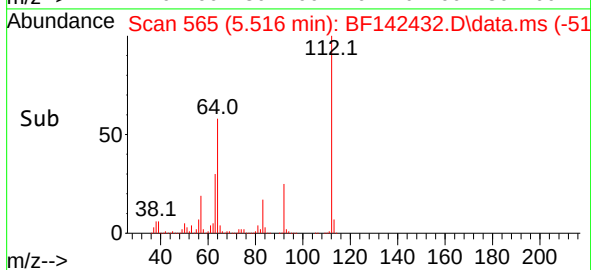
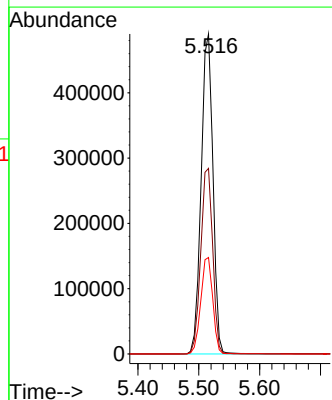
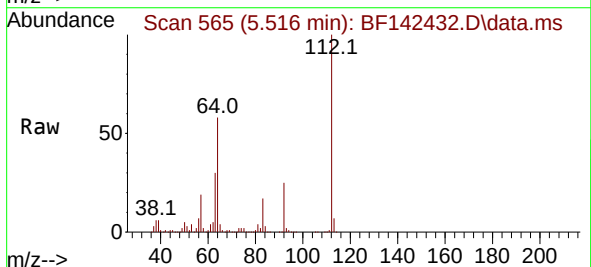
Instrument :
BNA_F
ClientSampleId :
L3-WC-5

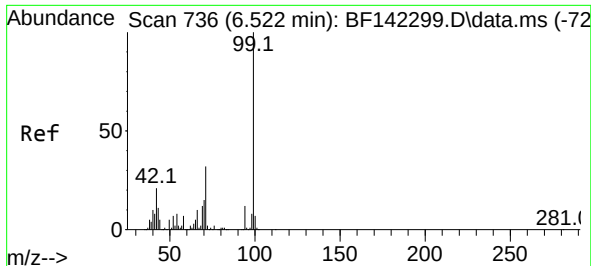
Tgt Ion:152 Resp: 144656
Ion Ratio Lower Upper
152 100
150 157.8 126.6 190.0
115 59.1 47.3 70.9



#5
2-Fluorophenol
Concen: 77.885 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

Tgt Ion:112 Resp: 659986
Ion Ratio Lower Upper
112 100
64 58.0 48.9 73.3
63 30.1 25.6 38.4

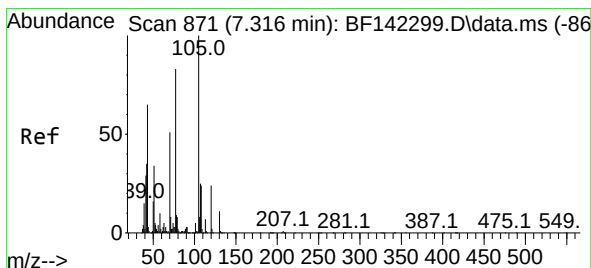
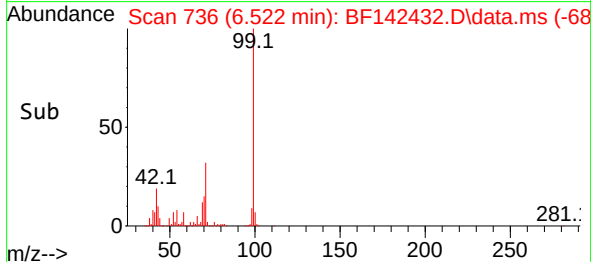
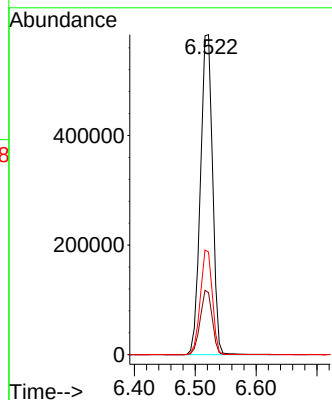
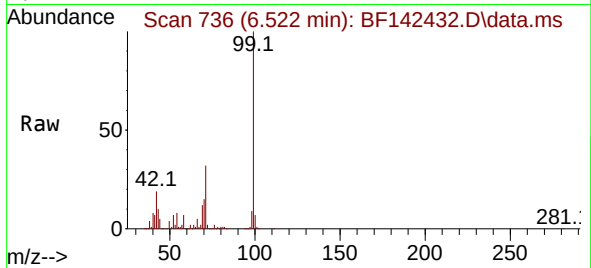




#7
Phenol-d6
Concen: 77.701 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

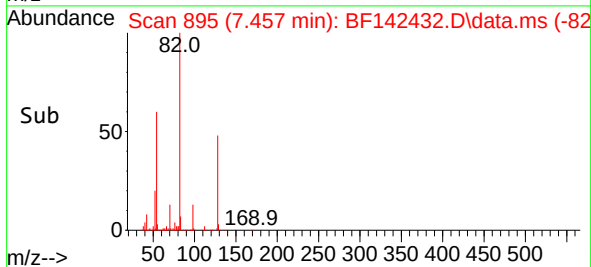
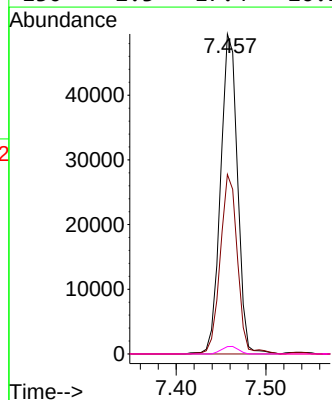
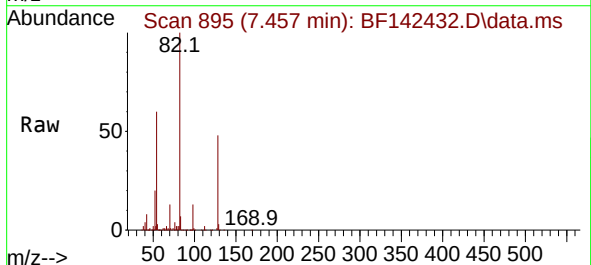
Instrument :
BNA_F
ClientSampleId :
L3-WC-5

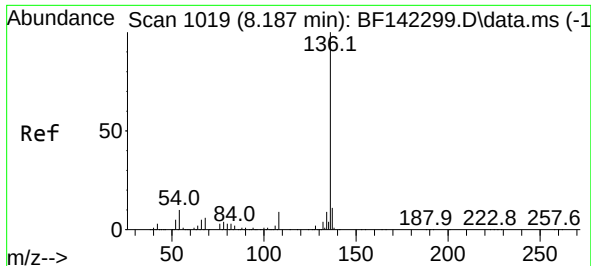
Tgt Ion: 99 Resp: 809821
Ion Ratio Lower Upper
99 100
42 19.4 17.0 25.4
71 32.1 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.080 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

Tgt Ion: 70 Resp: 64985
Ion Ratio Lower Upper
70 100
42 56.1 54.8 82.2
101 0.0 7.7 11.5#
130 2.3 17.4 26.2#

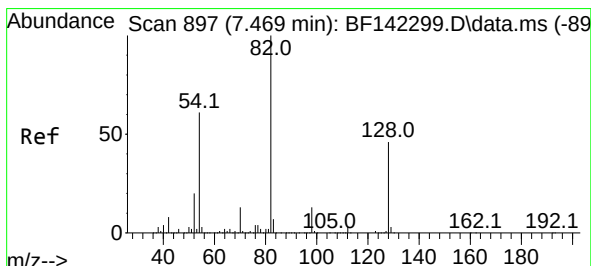
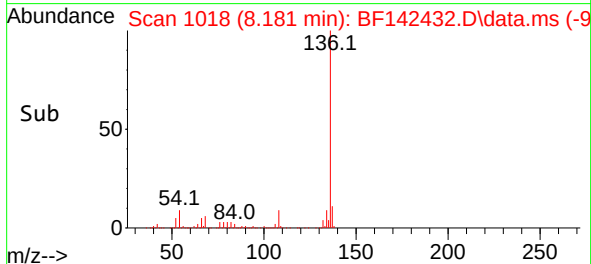
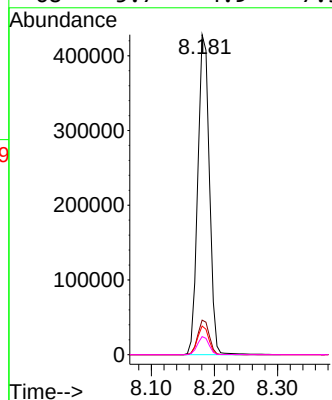
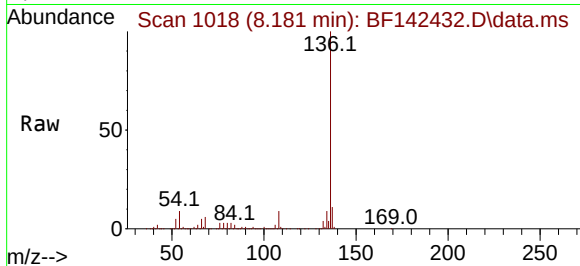




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

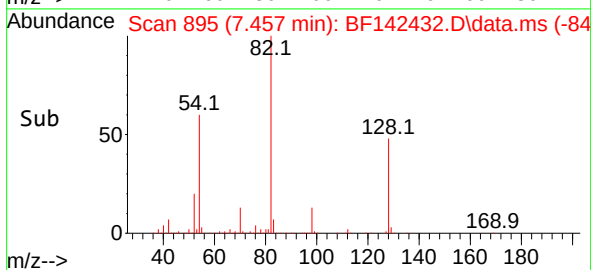
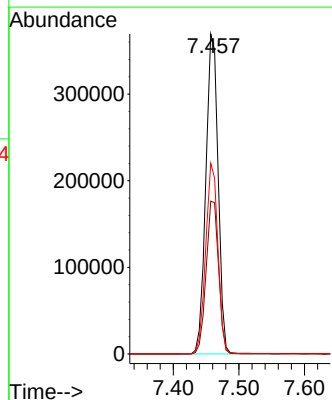
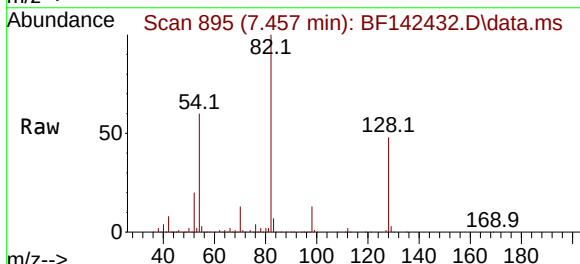
Instrument :
BNA_F
ClientSampleId :
L3-WC-5

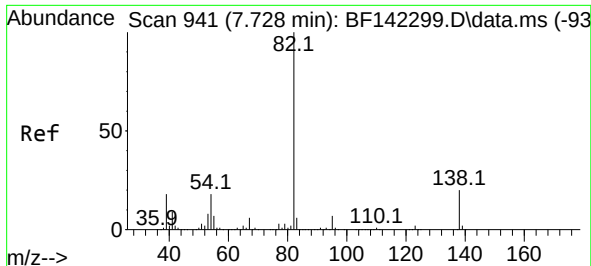
Tgt Ion:	136	Resp:	546027
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.0	7.7	11.5
68	5.7	4.9	7.3



#23
Nitrobenzene-d5
Concen: 54.070 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

Tgt Ion:	82	Resp:	484093
Ion	Ratio	Lower	Upper
82	100		
128	47.7	37.0	55.6
54	59.6	48.6	73.0

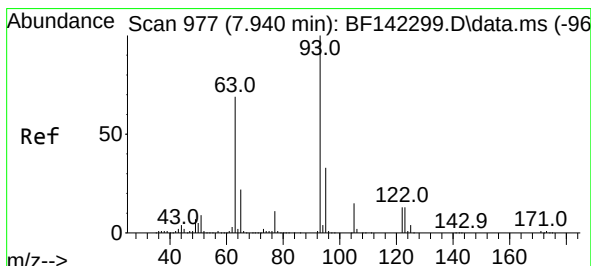
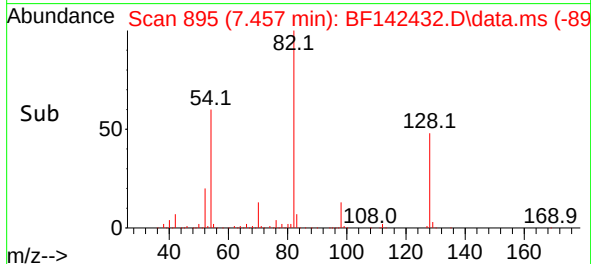
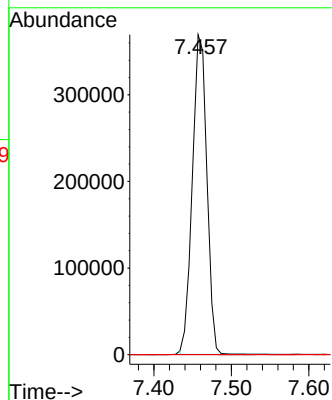
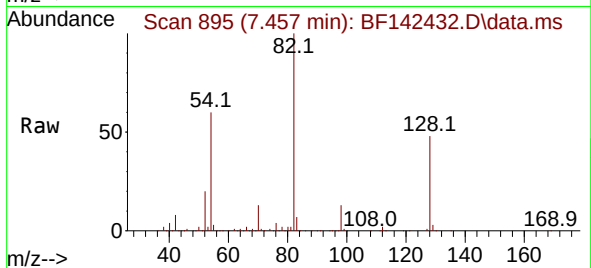




#25
Isophorone
Concen: 28.291 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

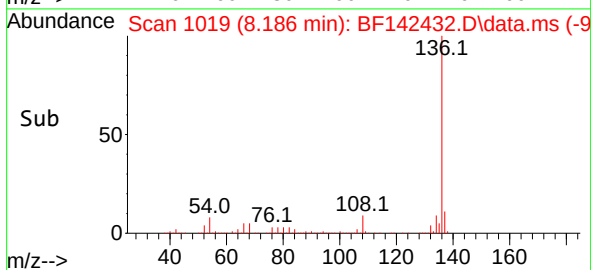
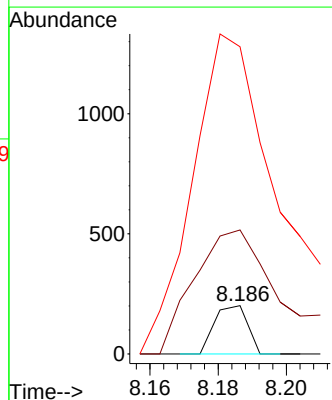
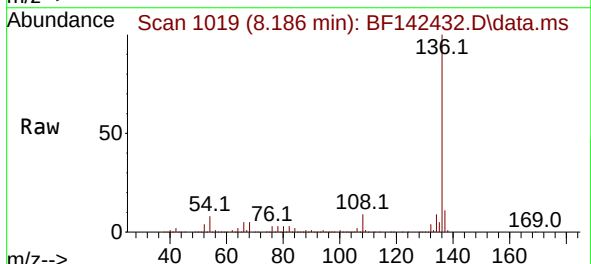
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ClientSampleId :
L3-WC-5

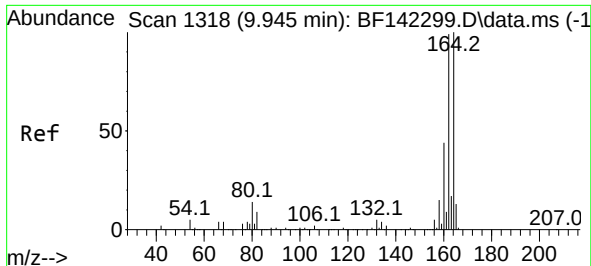
Tgt Ion: 82 Resp: 479641
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.045 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.246 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

Tgt Ion:122 Resp: 135
Ion Ratio Lower Upper
122 100
105 256.7 97.9 137.9#
77 636.3 67.7 107.7#

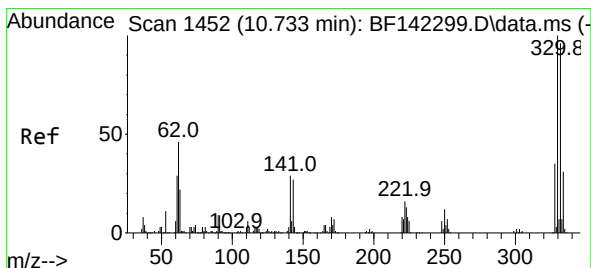
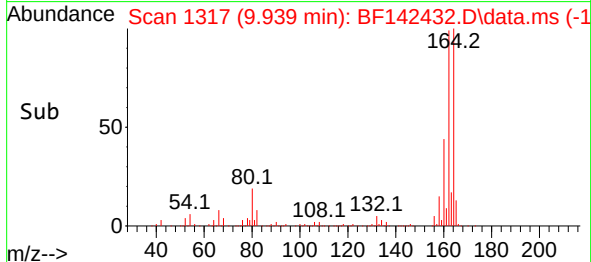
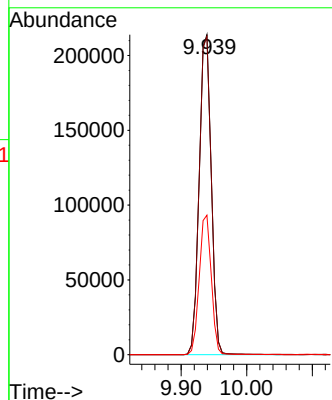
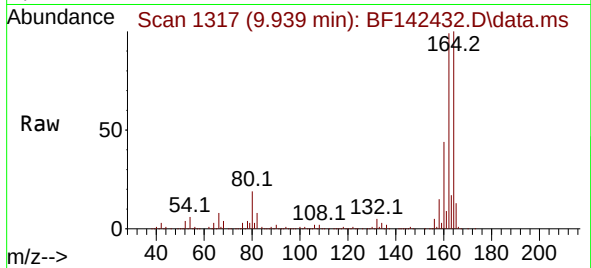




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

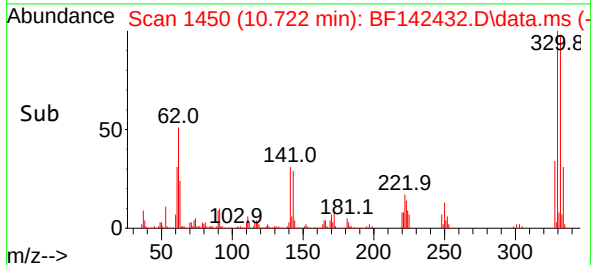
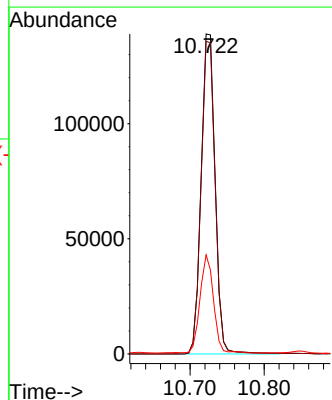
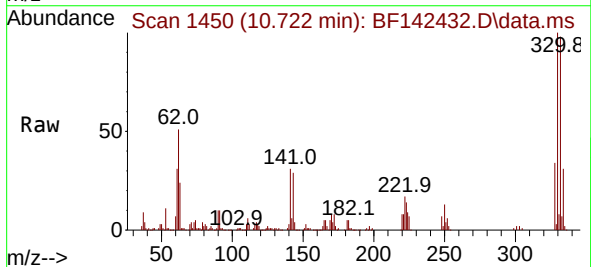
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ClientSampleId :
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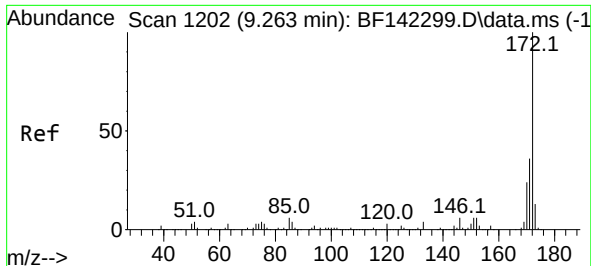
Tgt Ion:164 Resp: 273883
Ion Ratio Lower Upper
164 100
162 99.4 79.2 118.8
160 43.6 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 68.997 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

Tgt Ion:330 Resp: 182449
Ion Ratio Lower Upper
330 100
332 97.7 76.8 115.2
141 29.4 24.9 37.3

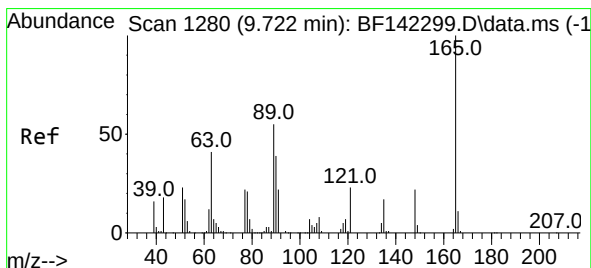
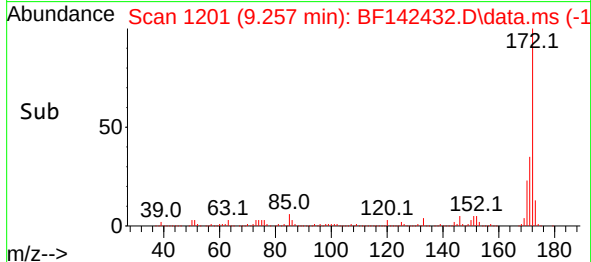
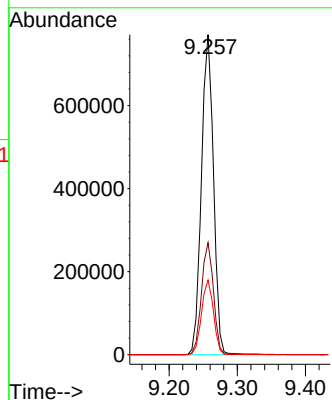
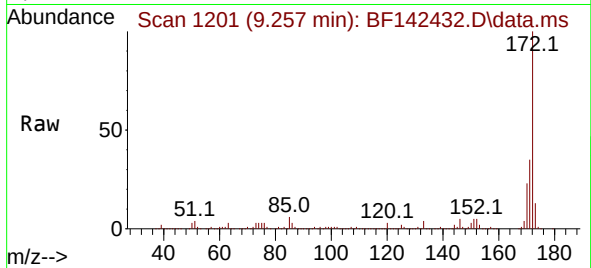




#45
2-Fluorobiphenyl
Concen: 49.441 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

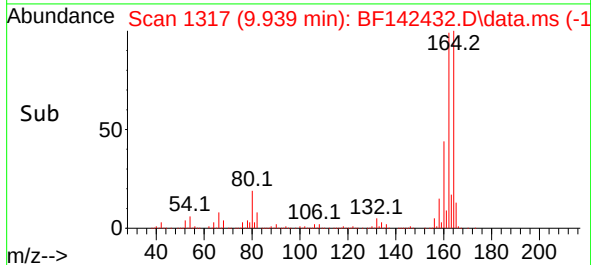
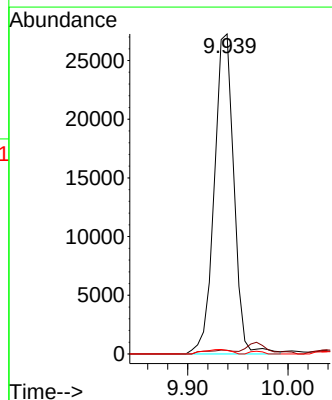
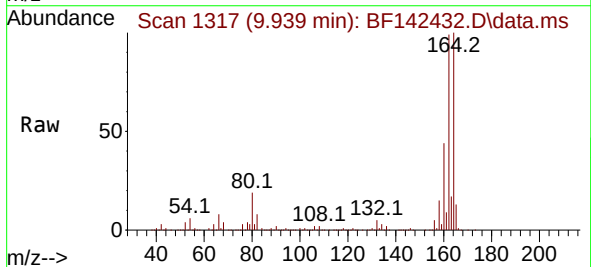
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L3-WC-5

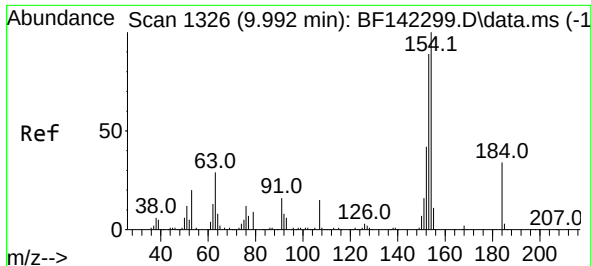
Tgt Ion:172 Resp: 949666
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.3 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 11.238 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.217 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

Tgt Ion:165 Resp: 36996
Ion Ratio Lower Upper
165 100
63 1.2 49.5 74.3#
89 1.1 44.6 66.8#

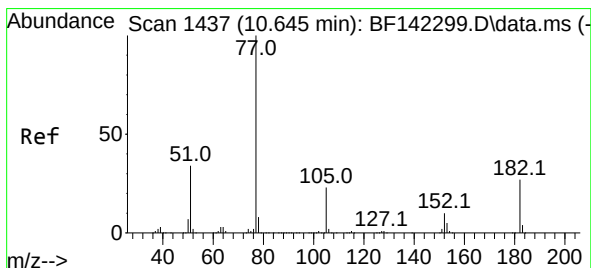
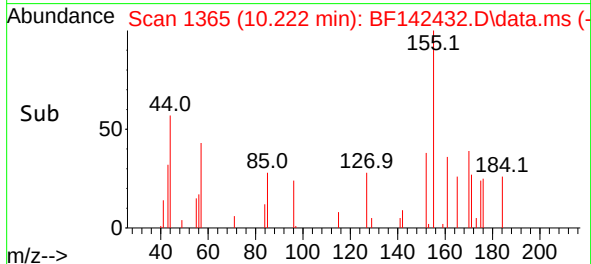
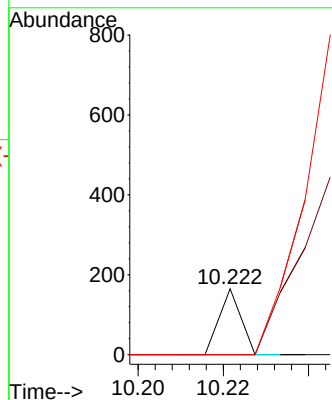
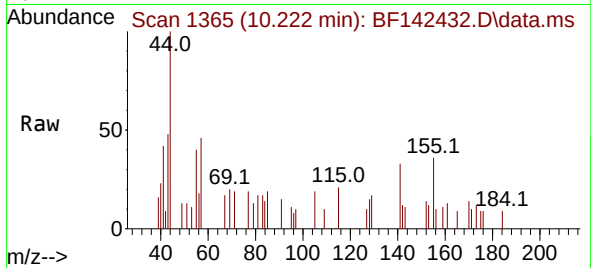




#54
2,4-Dinitrophenol
Concen: 7.693 ng
RT: 10.222 min Scan# 11
Delta R.T. 0.230 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

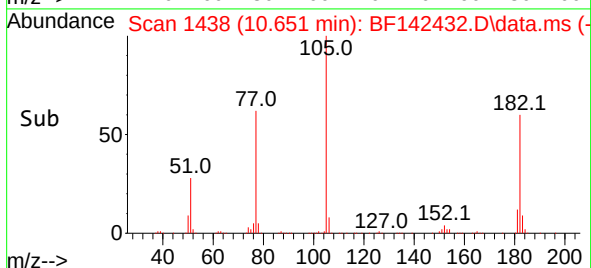
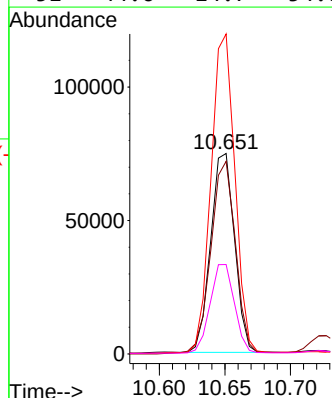
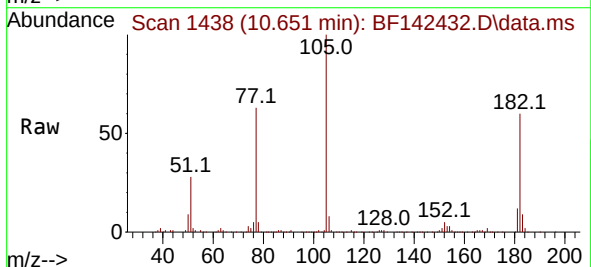
Instrument :
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L3-WC-5

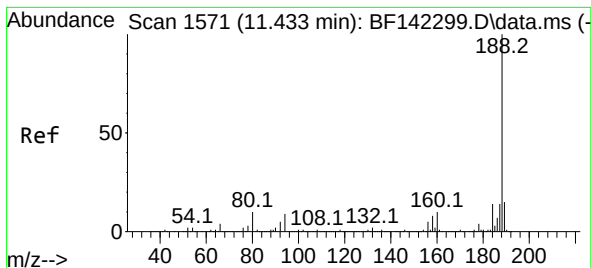
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 70.6 105.8#
154 0.0 257.2 385.8#



#63
Azobenzene
Concen: 5.628 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

Tgt Ion: 77 Resp: 94463
Ion Ratio Lower Upper
77 100
182 96.1 6.9 46.9#
105 159.6 2.7 42.7#
51 44.6 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142432.D

Acq: 16 May 2025 17:43

Instrument :

BNA_F

ClientSampleId :

L3-WC-5

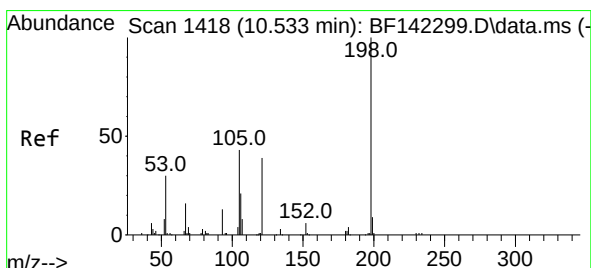
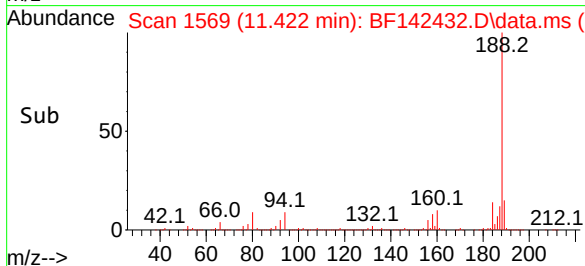
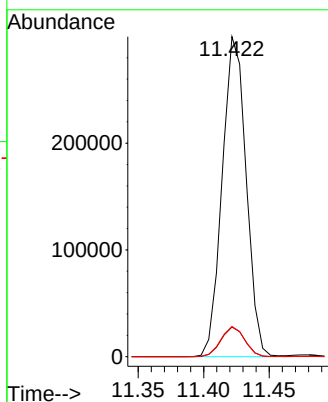
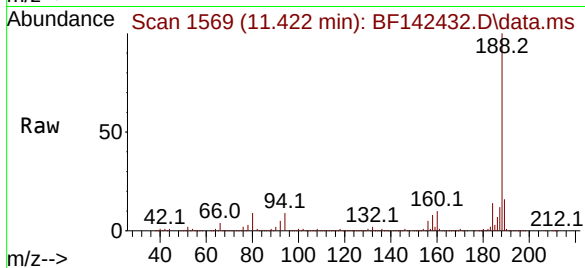
Tgt Ion:188 Resp: 381184

Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

80 9.4 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.291 ng

RT: 10.722 min Scan# 1450

Delta R.T. 0.189 min

Lab File: BF142432.D

Acq: 16 May 2025 17:43

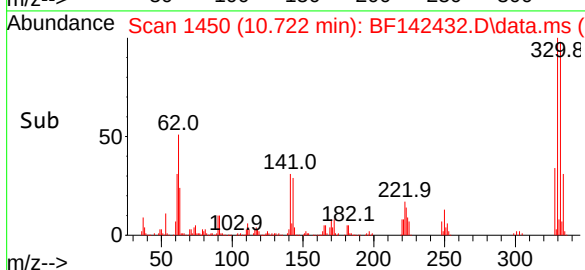
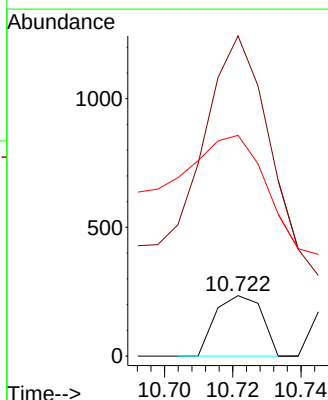
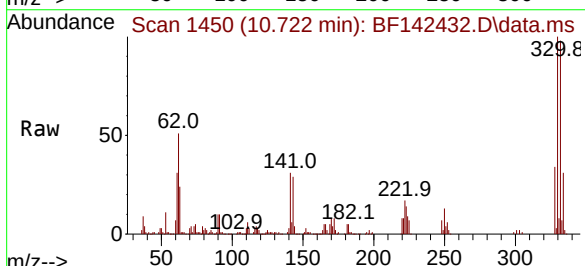
Tgt Ion:198 Resp: 222

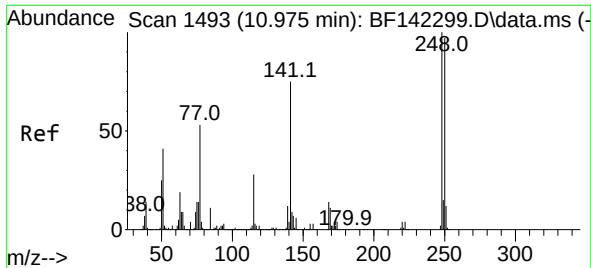
Ion Ratio Lower Upper

198 100

51 529.4 32.9 72.9#

105 365.1 23.7 63.7#

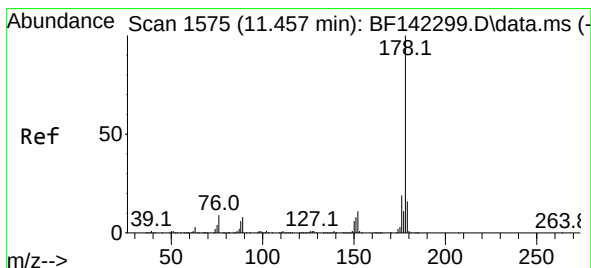
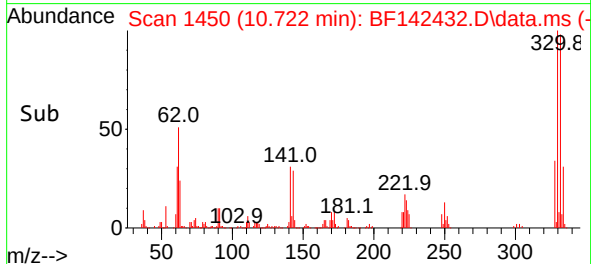
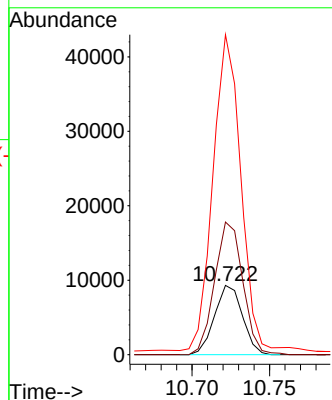
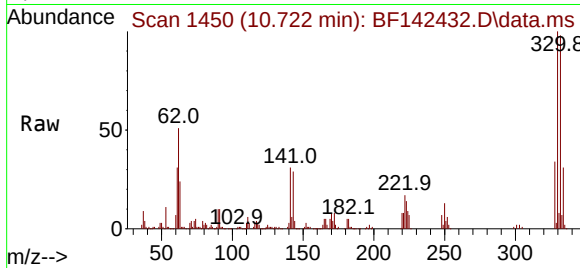




#67
4-Bromophenyl-phenylether
Concen: 2.698 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

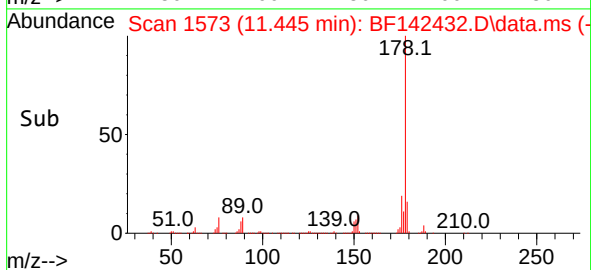
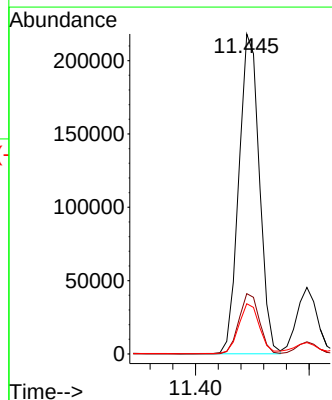
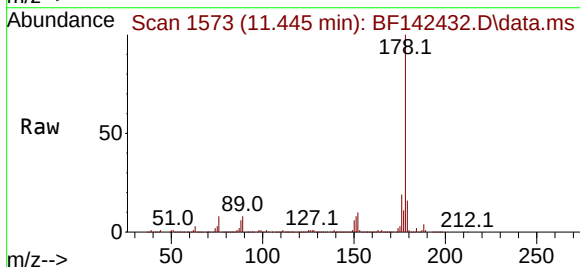
Instrument :
BNA_F
ClientSampleId :
L3-WC-5

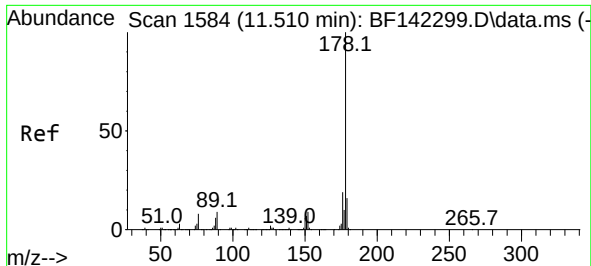
Tgt Ion:248 Resp: 11655
Ion Ratio Lower Upper
248 100
250 191.6 77.9 116.9#
141 462.4 59.8 89.8#



#71
Phenanthrene
Concen: 13.646 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

Tgt Ion:178 Resp: 272666
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.7 12.6 18.8

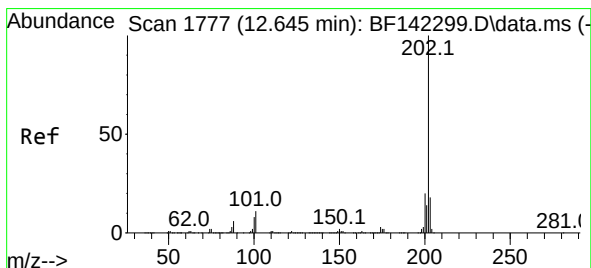
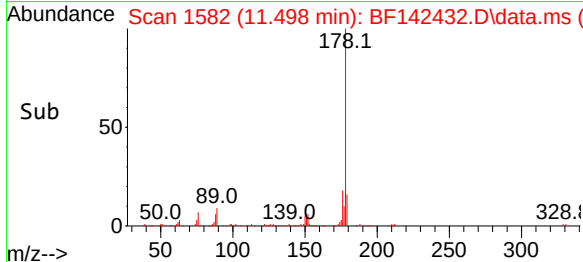
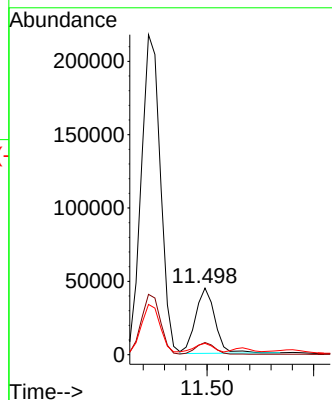
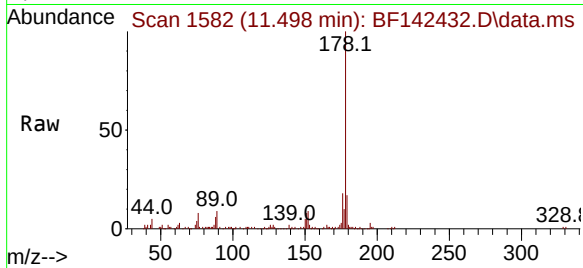




#72
 Anthracene
 Concen: 2.763 ng
 RT: 11.498 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142432.D
 Acq: 16 May 2025 17:43

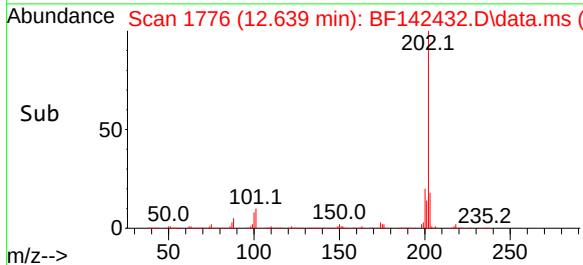
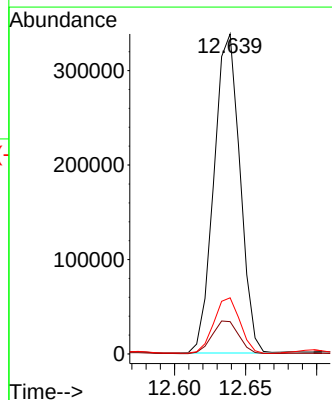
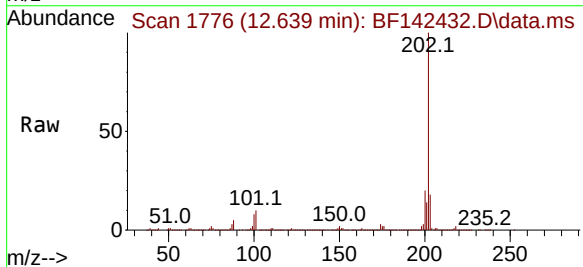
Instrument :
 BNA_F
 ClientSampleId :
 L3-WC-5

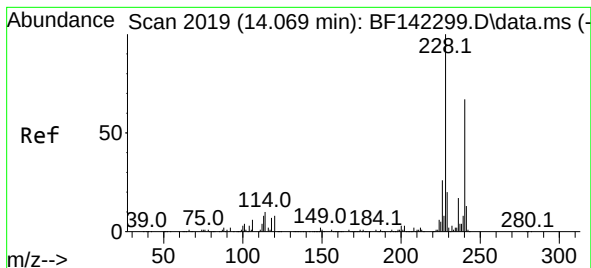
Tgt Ion:178 Resp: 56718
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.3 22.9
 179 17.1 12.6 18.8



#75
 Fluoranthene
 Concen: 21.555 ng
 RT: 12.639 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF142432.D
 Acq: 16 May 2025 17:43

Tgt Ion:202 Resp: 430526
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.4
 203 17.6 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142432.D

Acq: 16 May 2025 17:43

Instrument :

BNA_F

ClientSampleId :

L3-WC-5

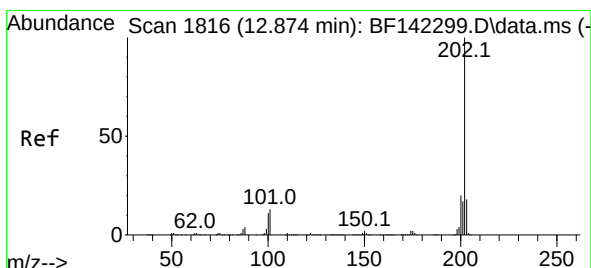
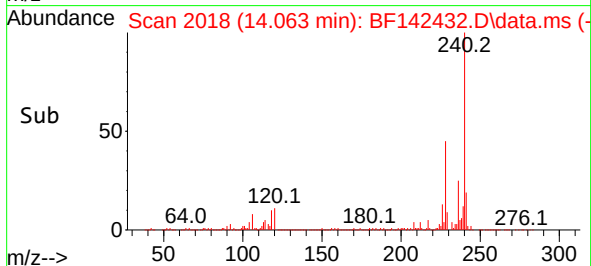
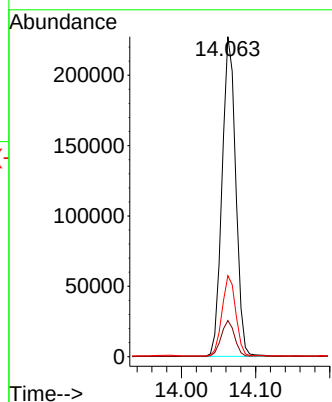
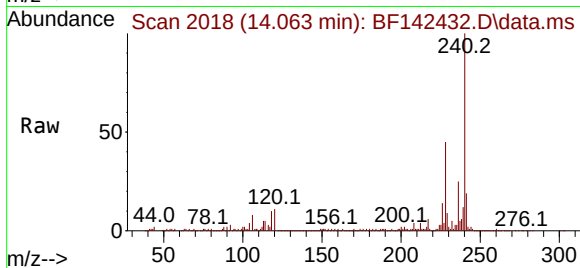
Tgt Ion:240 Resp: 291502

Ion Ratio Lower Upper

240 100

120 11.3 9.7 14.5

236 25.3 20.0 30.0



#78

Pyrene

Concen: 17.106 ng

RT: 12.868 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142432.D

Acq: 16 May 2025 17:43

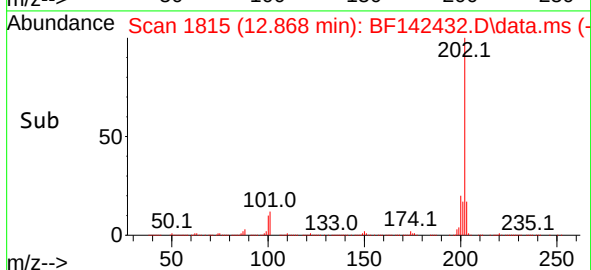
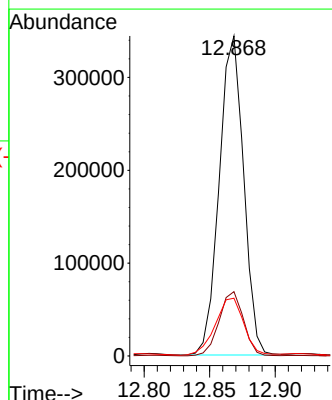
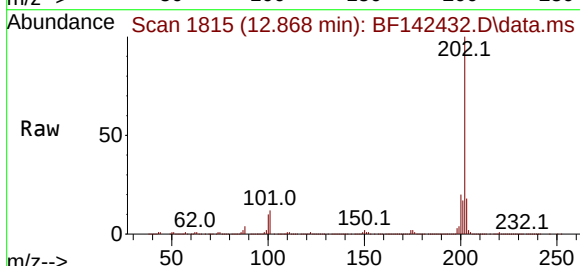
Tgt Ion:202 Resp: 443834

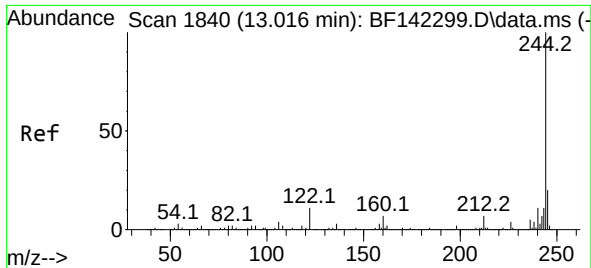
Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.4

203 18.0 14.3 21.5

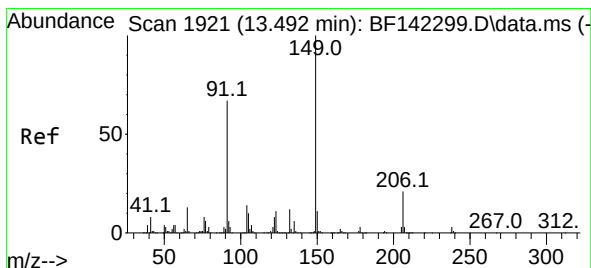
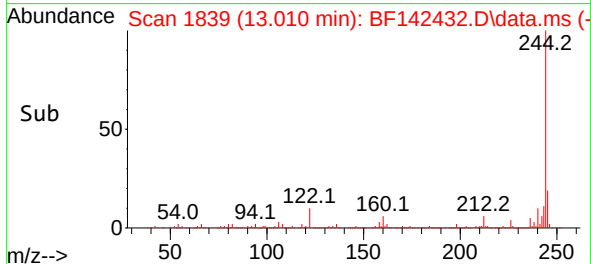
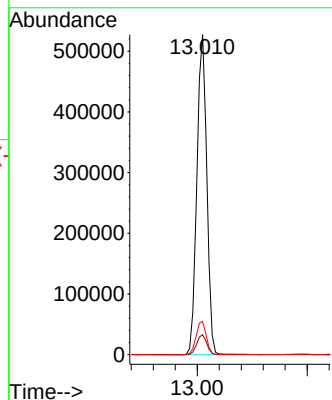
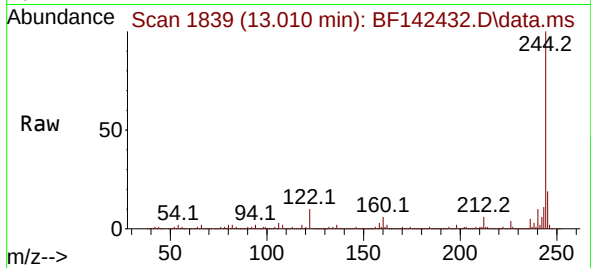




#79
 Terphenyl-d14
 Concen: 33.497 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142432.D
 Acq: 16 May 2025 17:43

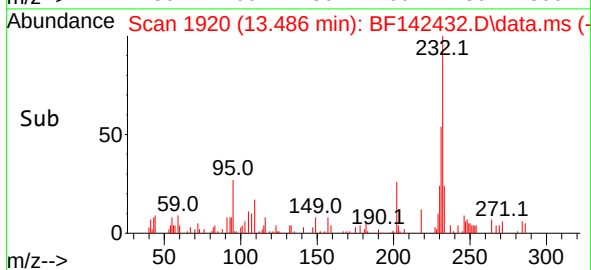
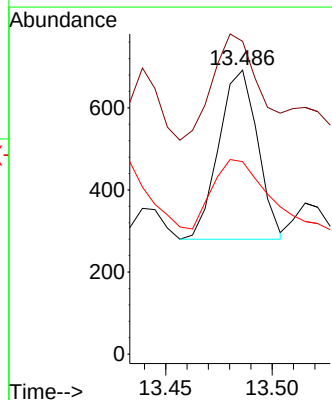
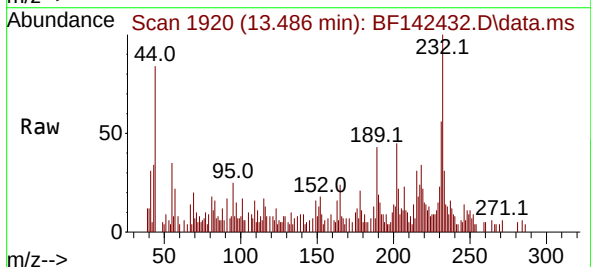
Instrument :
 BNA_F
 ClientSampleId :
 L3-WC-5

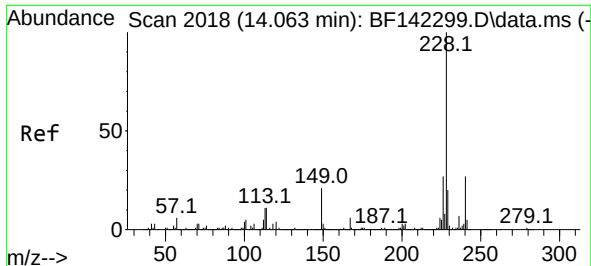
Tgt Ion:244 Resp: 659704
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.2
 122 10.3 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.723 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF142432.D
 Acq: 16 May 2025 17:43

Tgt Ion:149 Resp: 523
 Ion Ratio Lower Upper
 149 100
 91 110.1 53.8 80.6#
 206 67.8 16.6 24.8#

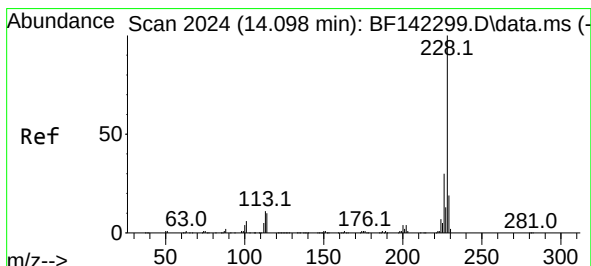
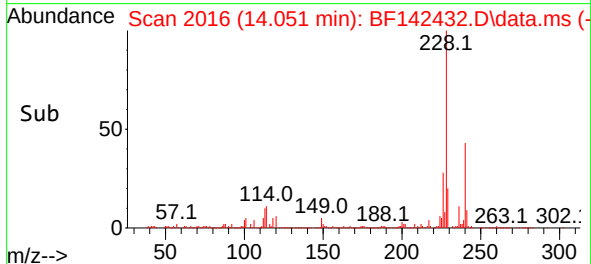
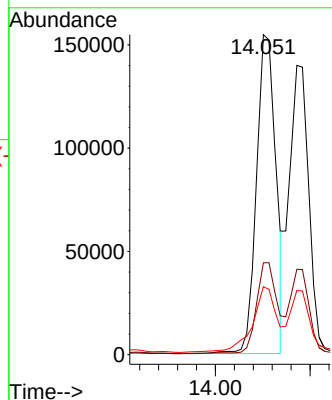
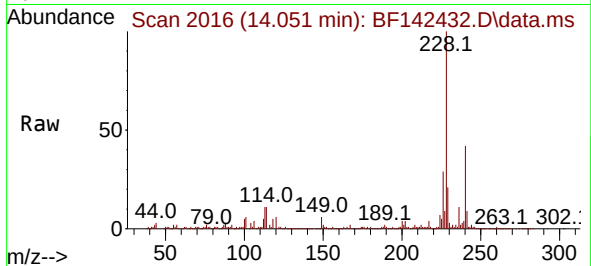




#81
Benzo(a)anthracene
Concen: 11.675 ng
RT: 14.051 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

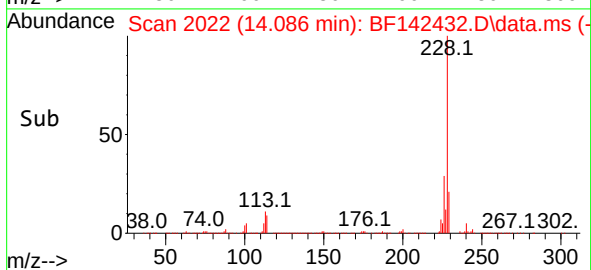
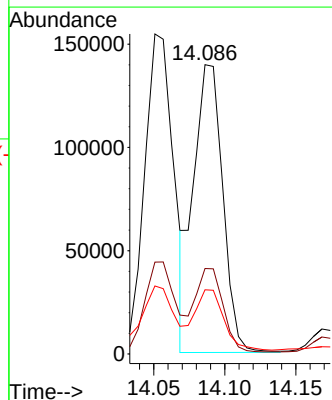
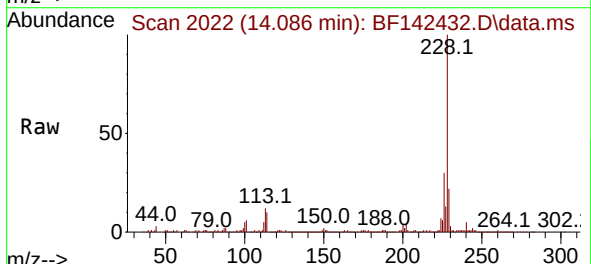
Instrument :
BNA_F
ClientSampleId :
L3-WC-5

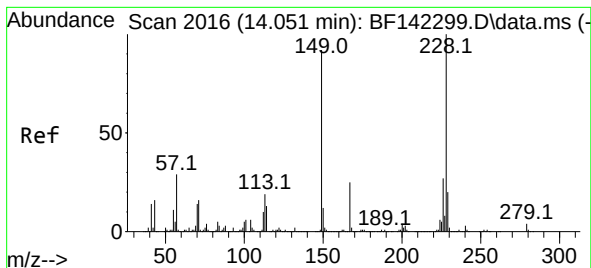
Tgt Ion:228 Resp: 220397
Ion Ratio Lower Upper
228 100
226 28.7 21.5 32.3
229 21.3 15.9 23.9



#83
Chrysene
Concen: 11.380 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

Tgt Ion:228 Resp: 199995
Ion Ratio Lower Upper
228 100
226 29.5 23.9 35.9
229 22.2 15.4 23.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.761 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142432.D

Acq: 16 May 2025 17:43

Instrument :

BNA_F

ClientSampleId :

L3-WC-5

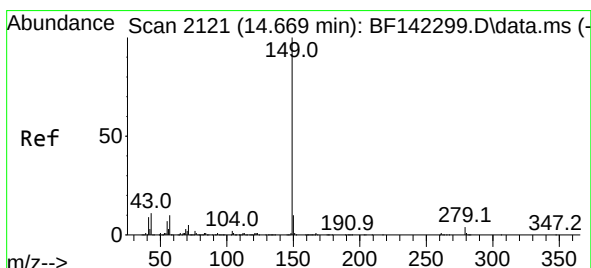
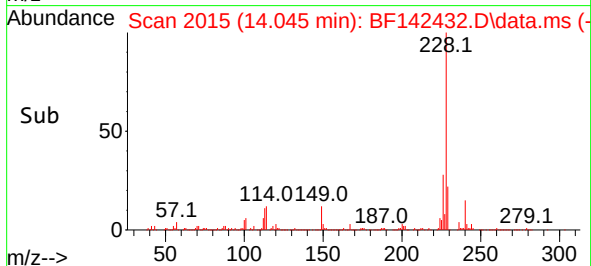
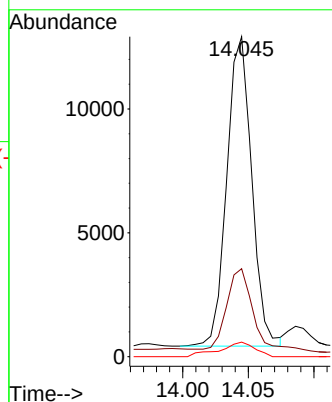
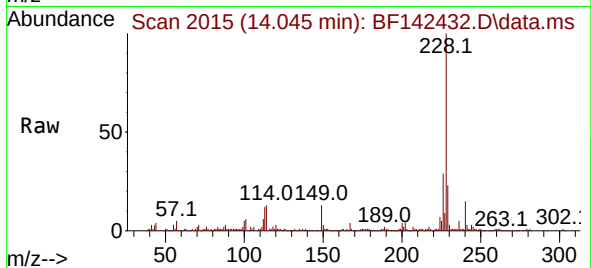
Tgt Ion:149 Resp: 16487

Ion Ratio Lower Upper

149 100

167 27.5 22.0 33.0

279 4.5 3.0 4.6



#85

Di-n-octyl phthalate

Concen: 7.864 ng

RT: 14.662 min Scan# 2120

Delta R.T. -0.007 min

Lab File: BF142432.D

Acq: 16 May 2025 17:43

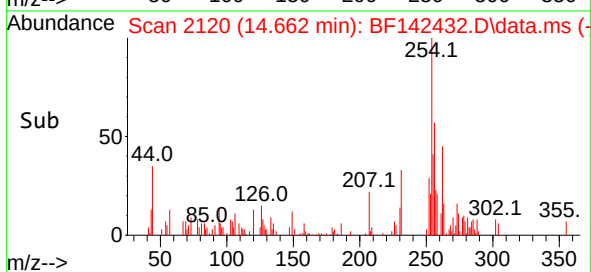
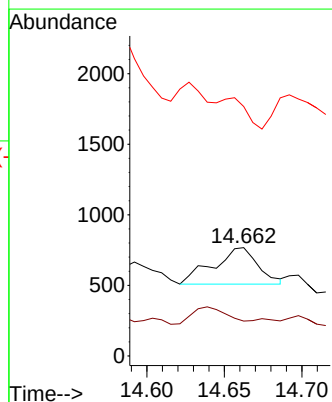
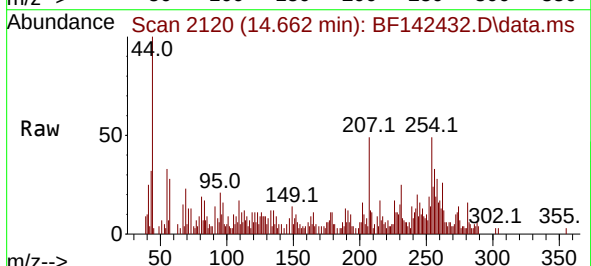
Tgt Ion:149 Resp: 517

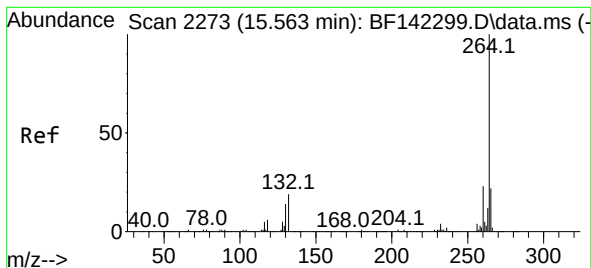
Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 0.0 9.2 13.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142432.D

Acq: 16 May 2025 17:43

Instrument :

BNA_F

ClientSampleId :

L3-WC-5

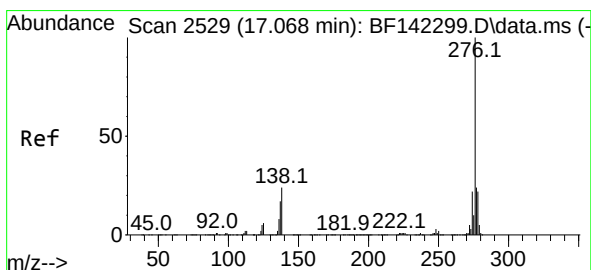
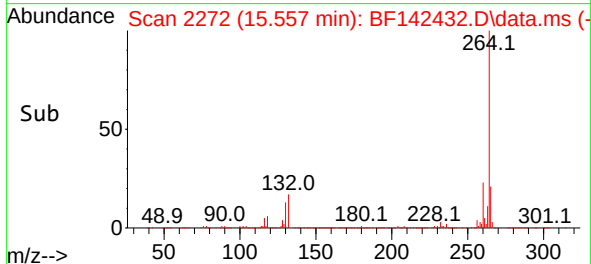
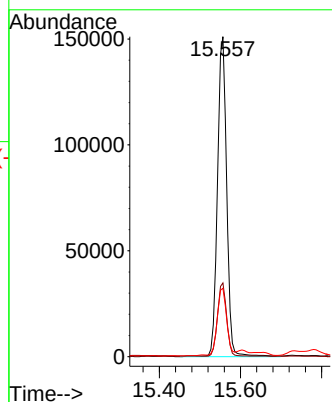
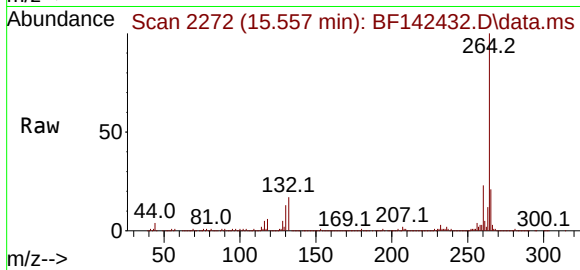
Tgt Ion:264 Resp: 237298

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.4 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.825 ng

RT: 17.051 min Scan# 2526

Delta R.T. -0.018 min

Lab File: BF142432.D

Acq: 16 May 2025 17:43

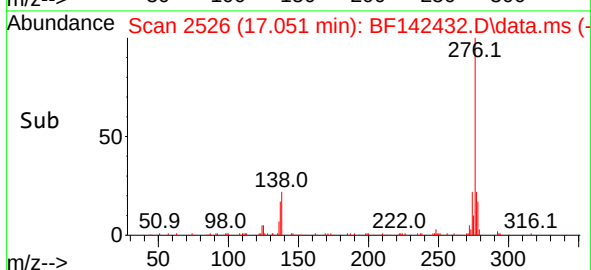
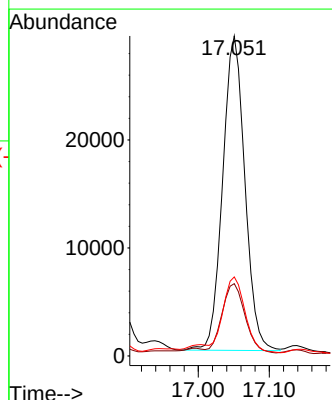
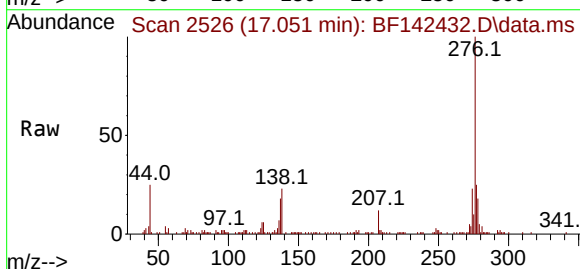
Tgt Ion:276 Resp: 63137

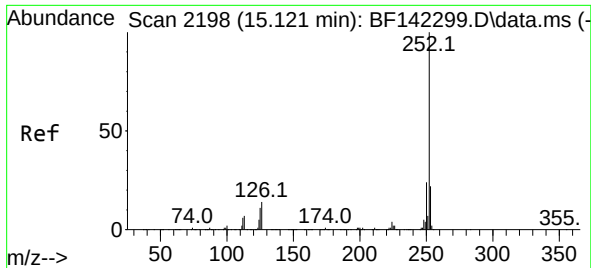
Ion Ratio Lower Upper

276 100

138 23.3 22.0 33.0

277 26.4 20.1 30.1

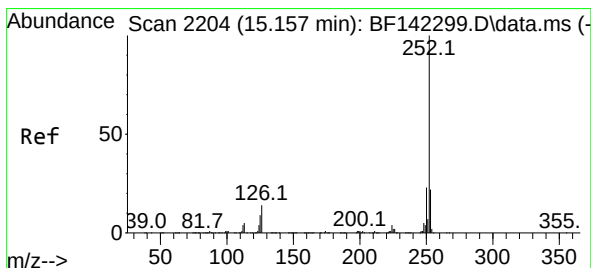
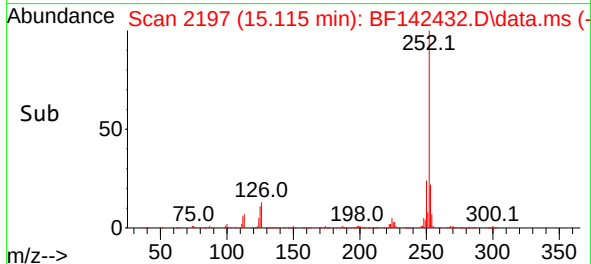
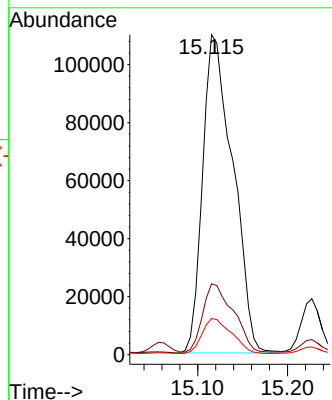
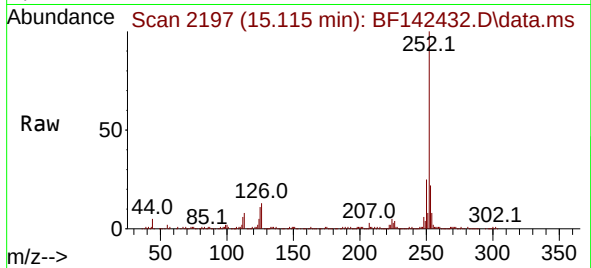




#88
Benzo(b)fluoranthene
Concen: 17.876 ng
RT: 15.115 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

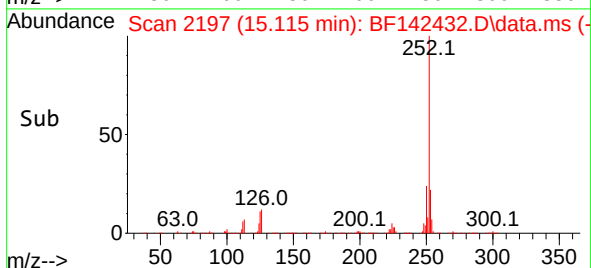
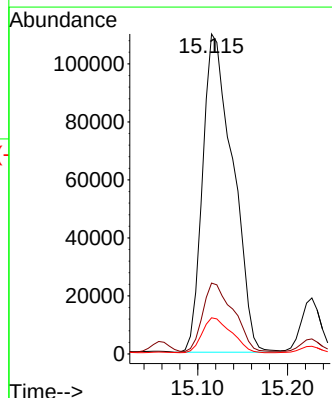
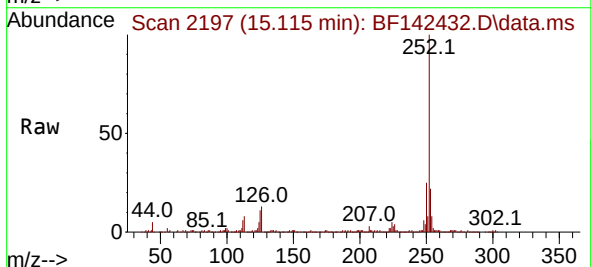
Instrument :
BNA_F
ClientSampleId :
L3-WC-5

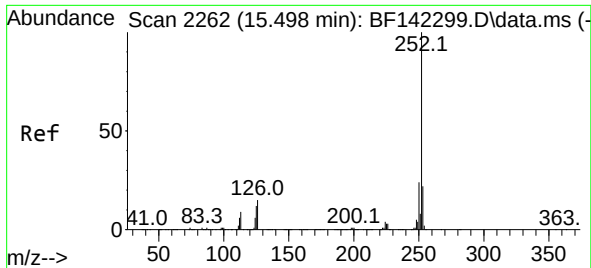
Tgt Ion:252 Resp: 256922
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.3 8.7 13.1



#89
Benzo(k)fluoranthene
Concen: 19.534 ng
RT: 15.115 min Scan# 2197
Delta R.T. -0.041 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

Tgt Ion:252 Resp: 256922
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 11.3 8.1 12.1

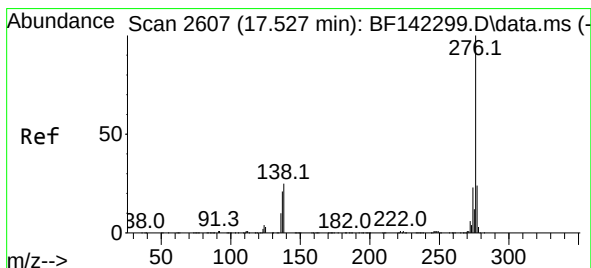
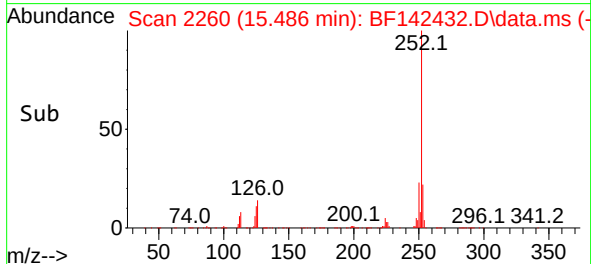
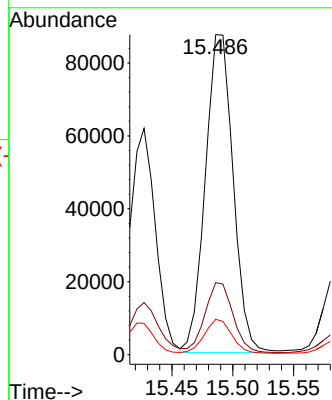
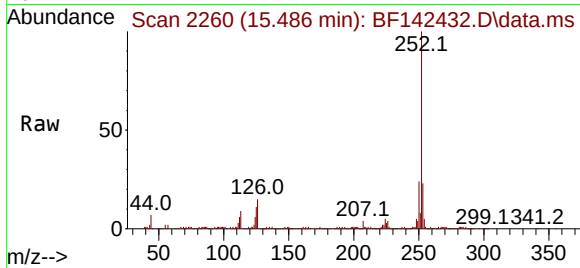




#90
Benzo(a)pyrene
Concen: 10.769 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

Instrument :
BNA_F
ClientSampleId :
L3-WC-5

Tgt Ion:252 Resp: 138688
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.1 9.4 14.0



#92
Benzo(g,h,i)perylene
Concen: 4.570 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.024 min
Lab File: BF142432.D
Acq: 16 May 2025 17:43

Tgt Ion:276 Resp: 61856
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 22.2 19.8 29.6

