

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143923.D
 Acq On : 10 Oct 2025 14:26
 Operator : RC/JU
 Sample : Q3310-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-1-2

Quant Time: Oct 10 14:53:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

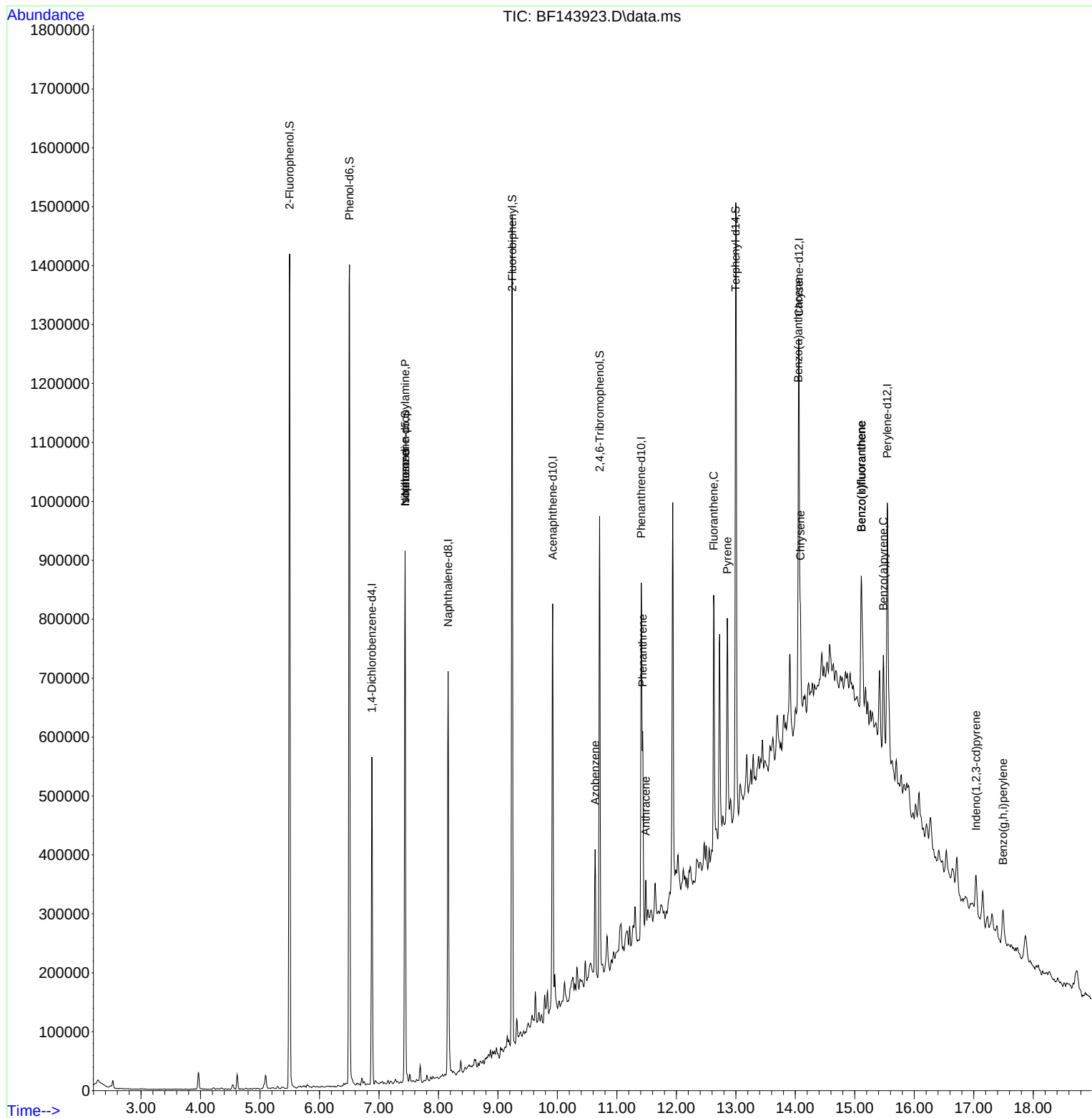
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	110739	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	410150	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	209594	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	320160	20.000	ng	0.00
76) Chrysene-d12	14.063	240	259025	20.000	ng	0.00
86) Perylene-d12	15.545	264	301506	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	546641	78.388	ng	0.00
7) Phenol-d6	6.504	99	629141	75.689	ng	-0.01
23) Nitrobenzene-d5	7.440	82	373550	55.333	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	143882	68.922	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	664539	50.309	ng	-0.01
79) Terphenyl-d14	12.998	244	571567	37.713	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	52856	9.290	ng	# 78
25) Isophorone	7.440	82	305043	21.430	ng	# 68
63) Azobenzene	10.633	77	55076	4.262	ng	# 1
71) Phenanthrene	11.433	178	186761	12.032	ng	98
72) Anthracene	11.486	178	50240	3.204	ng	96
75) Fluoranthene	12.627	202	260534	16.250	ng	98
78) Pyrene	12.857	202	219683	10.173	ng	97
81) Benzo(a)anthracene	14.051	228	138868	8.192	ng	# 93
83) Chrysene	14.086	228	104158	6.639	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.039	276	56014	3.032	ng	96
88) Benzo(b)fluoranthene	15.110	252	194282	11.218	ng	# 91
89) Benzo(k)fluoranthene	15.110	252	194282	12.123	ng	# 92
90) Benzo(a)pyrene	15.480	252	104350	6.948	ng	# 92
92) Benzo(g,h,i)perylene	17.492	276	53843	3.624	ng	# 91

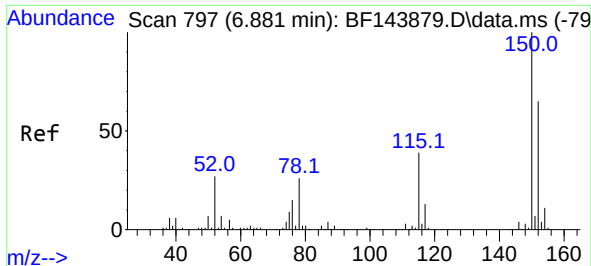
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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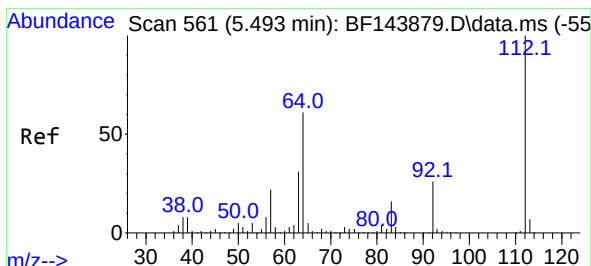
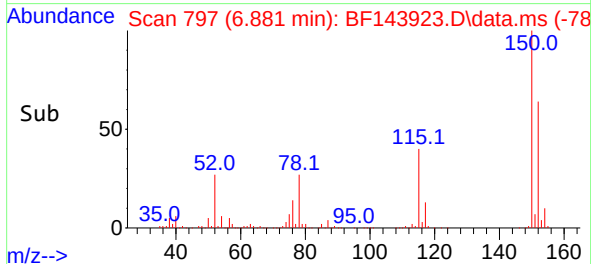
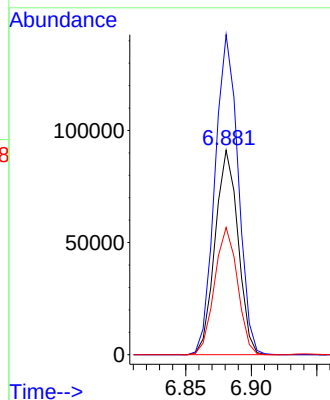
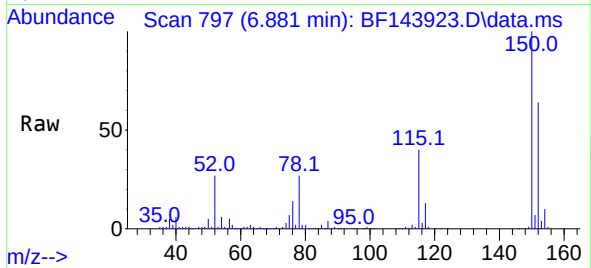




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

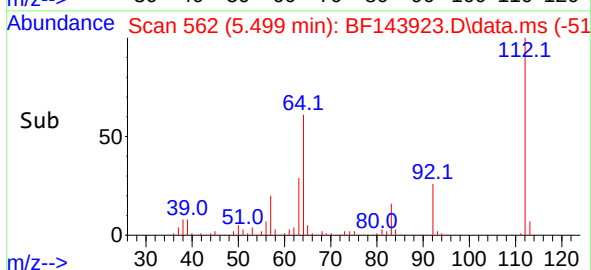
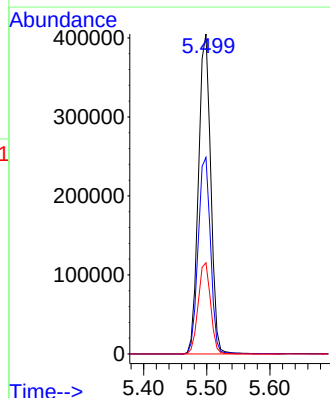
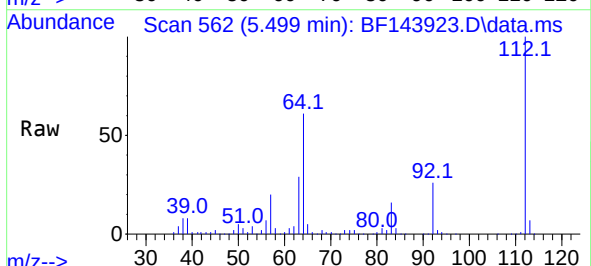
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

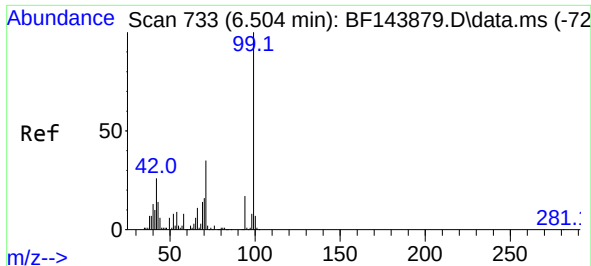
Tgt Ion:152 Resp: 110739
Ion Ratio Lower Upper
152 100
150 156.5 124.4 186.6
115 62.2 48.1 72.1



#5
2-Fluorophenol
Concen: 78.388 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion:112 Resp: 546641
Ion Ratio Lower Upper
112 100
64 61.4 49.1 73.7
63 28.5 24.5 36.7

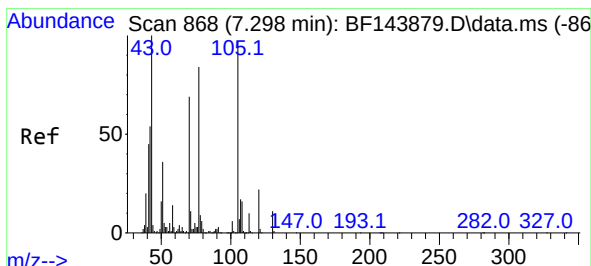
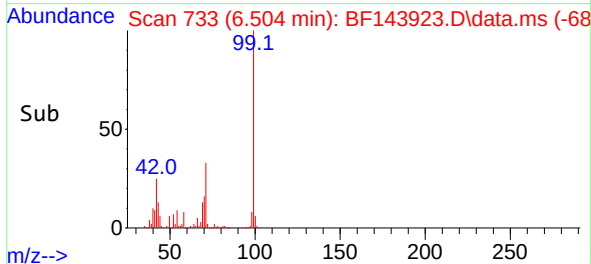
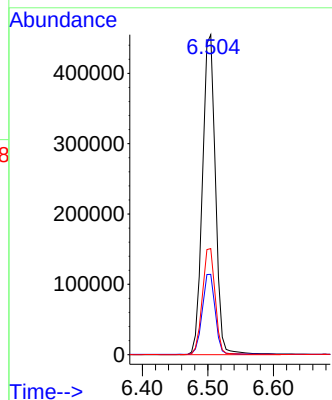
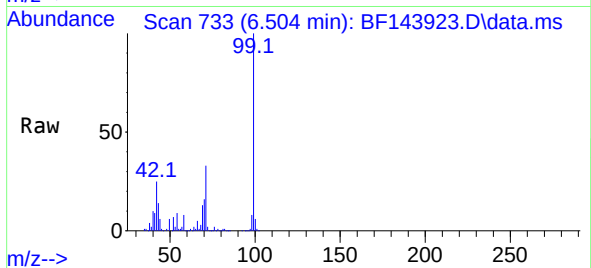




#7
Phenol-d6
Concen: 75.689 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

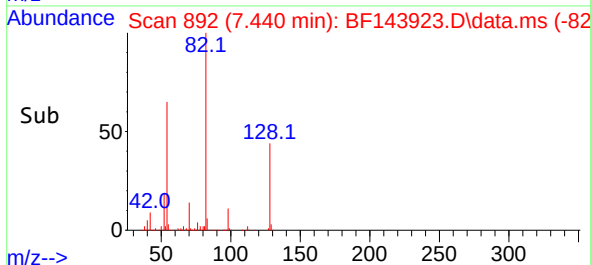
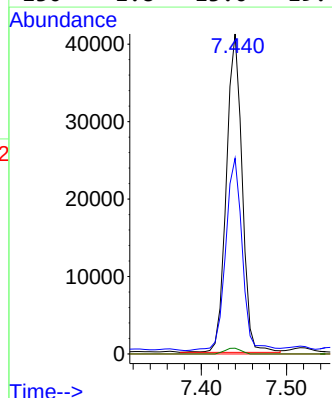
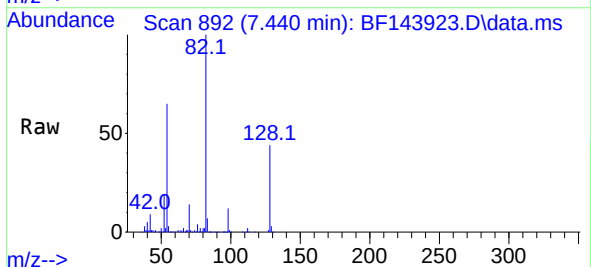
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

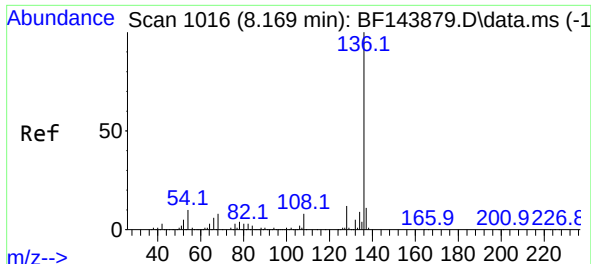
Tgt Ion: 99 Resp: 629141
Ion Ratio Lower Upper
99 100
42 25.1 21.0 31.4
71 33.2 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.290 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion: 70 Resp: 52856
Ion Ratio Lower Upper
70 100
42 61.2 62.8 94.2#
101 0.0 6.7 10.1#
130 1.8 13.0 19.4#



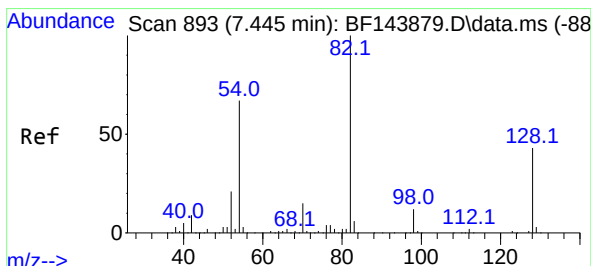
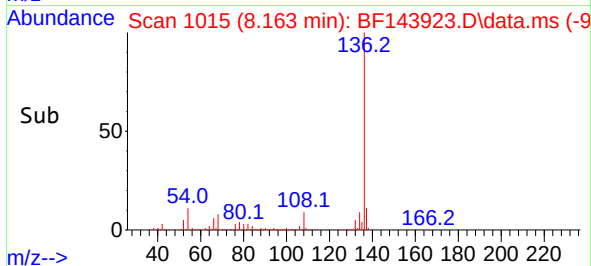
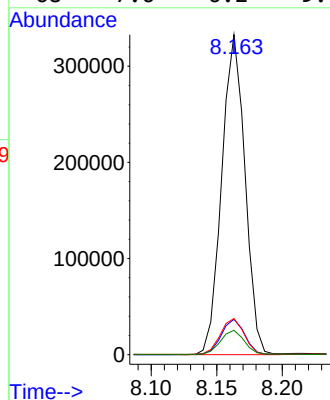
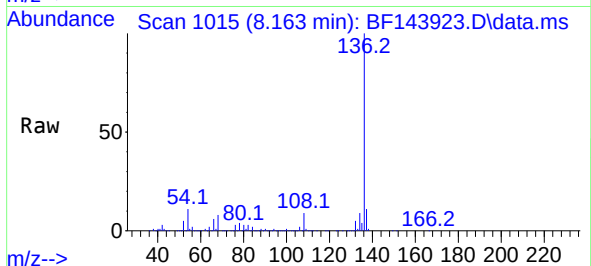


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

Tgt Ion:136 Resp: 410150

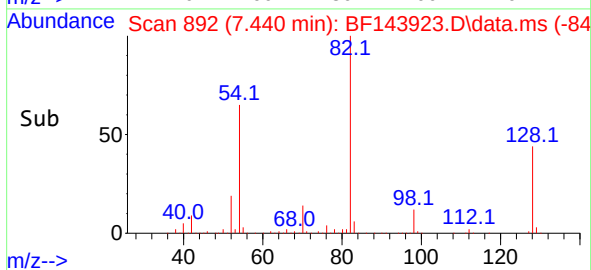
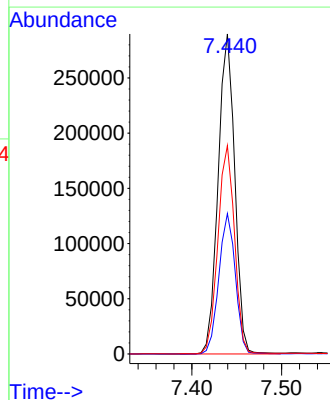
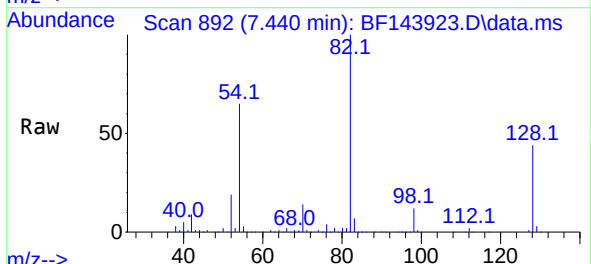
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.3	8.2	12.4
68	7.6	6.2	9.4

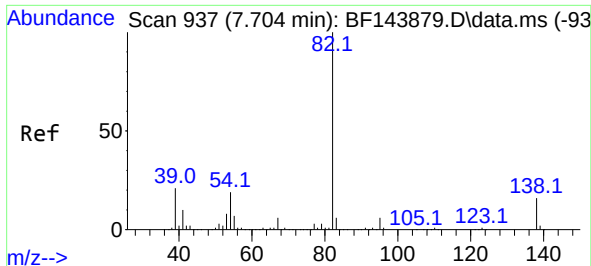


#23
Nitrobenzene-d5
Concen: 55.333 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion: 82 Resp: 373550

Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.0	51.0
54	65.1	53.2	79.8

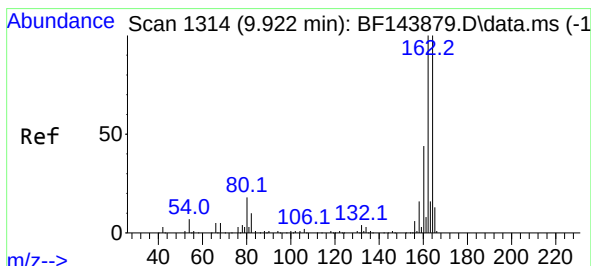
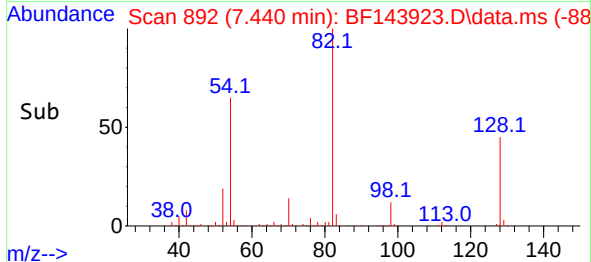
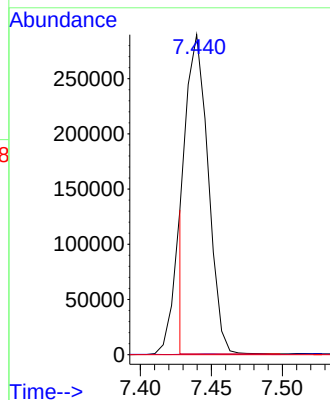
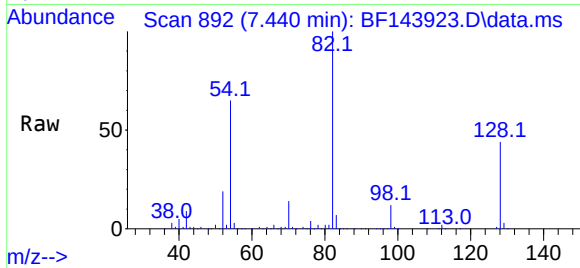




#25
Isophorone
Concen: 21.430 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

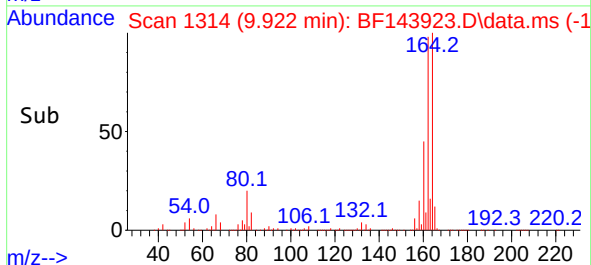
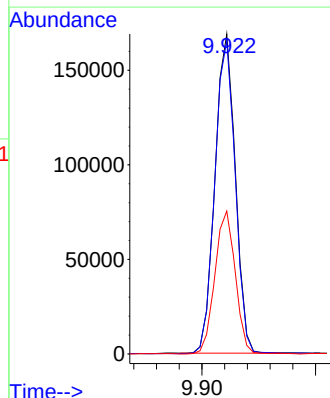
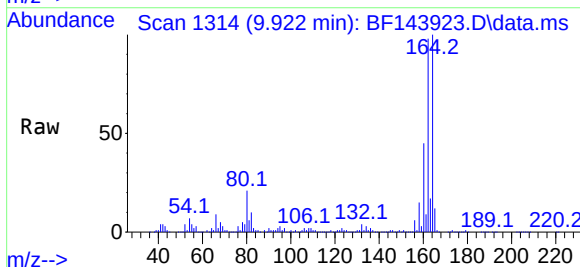
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

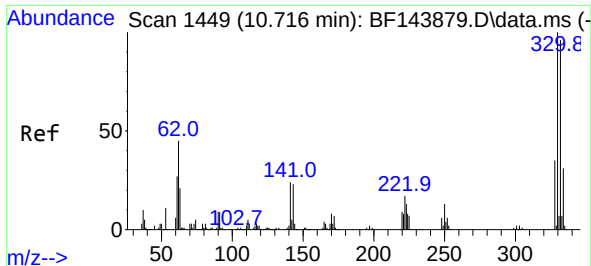
Tgt Ion: 82 Resp: 305043
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion:164 Resp: 209594
Ion Ratio Lower Upper
164 100
162 97.9 80.2 120.2
160 44.7 35.4 53.0

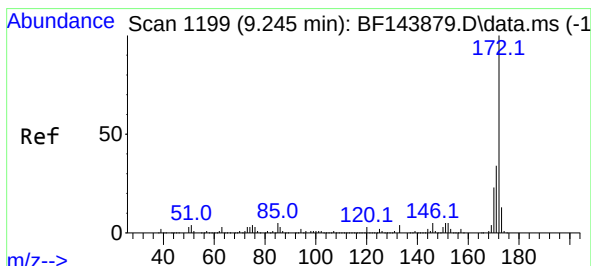
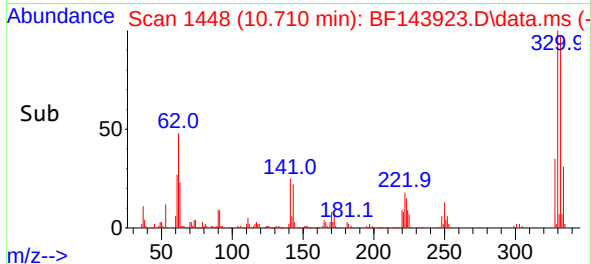
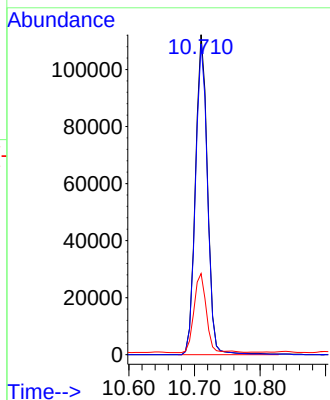
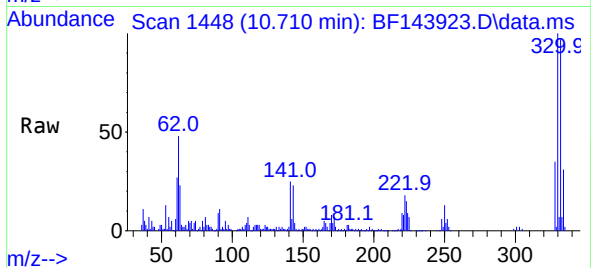




#42
2,4,6-Tribromophenol
Concen: 68.922 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

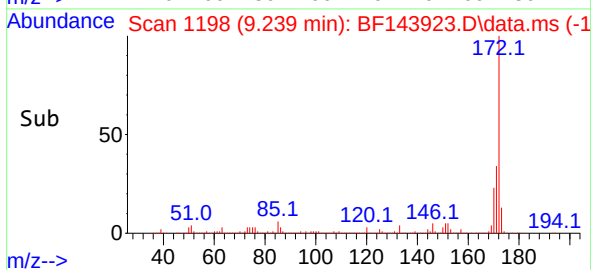
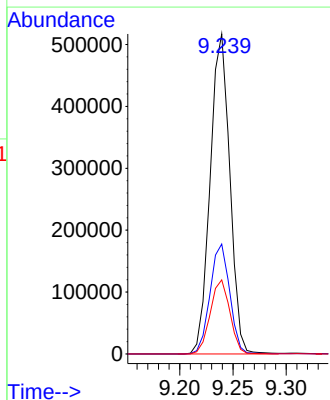
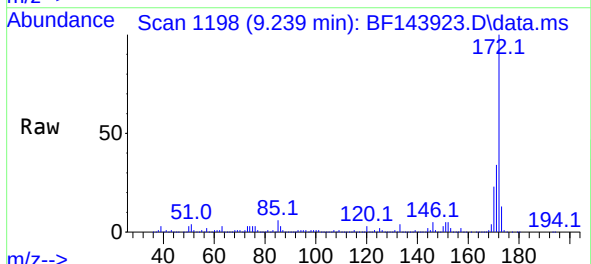
Instrument :
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ClientSampleId :
SS-01-1-2

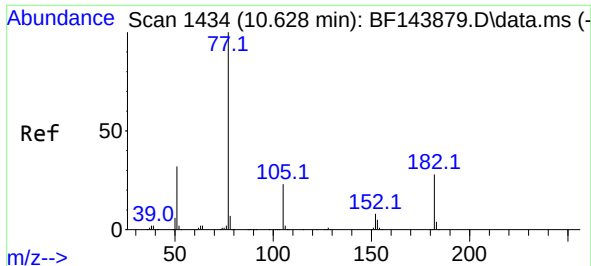
Tgt Ion:330 Resp: 143882
Ion Ratio Lower Upper
330 100
332 96.9 76.9 115.3
141 24.7 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 50.309 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion:172 Resp: 664539
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.0
170 23.2 18.6 28.0

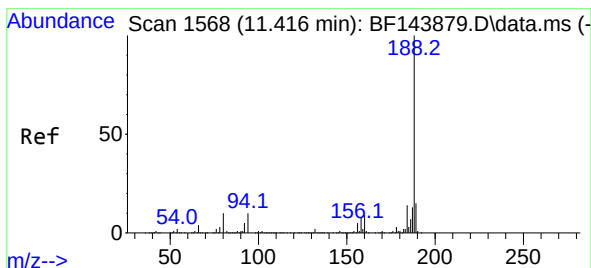
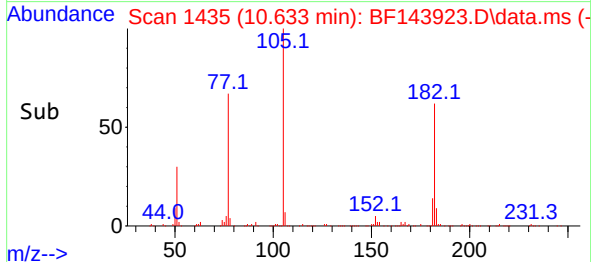
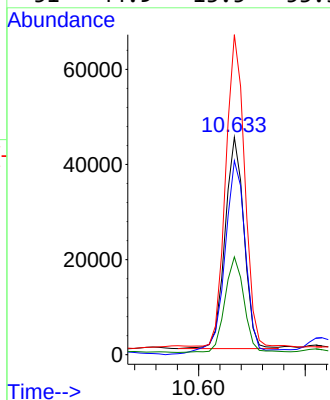
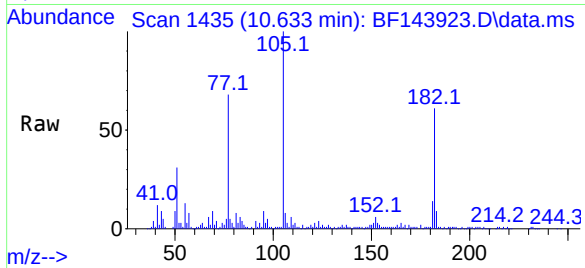




#63
Azobenzene
Concen: 4.262 ng
RT: 10.633 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

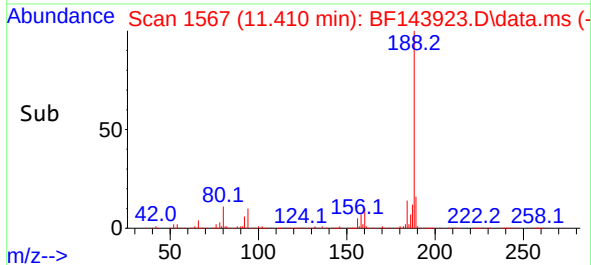
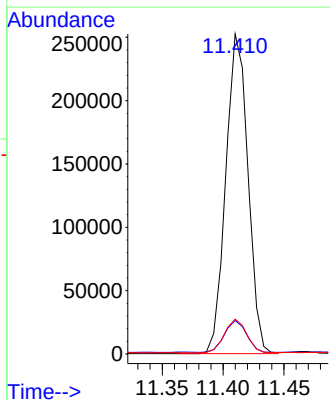
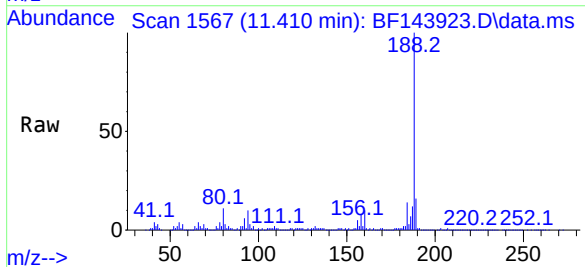
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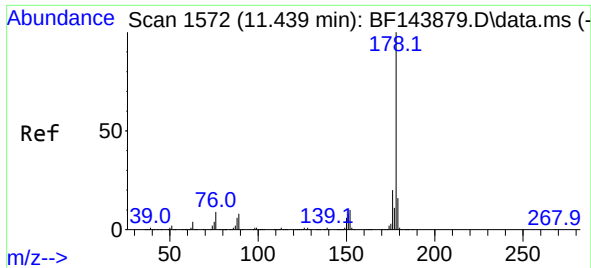
Tgt Ion: 77 Resp: 55076
Ion Ratio Lower Upper
77 100
182 89.1 7.3 47.3#
105 147.1 3.0 43.0#
51 44.9 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion: 188 Resp: 320160
Ion Ratio Lower Upper
188 100
94 10.5 7.8 11.6
80 10.9 7.9 11.9

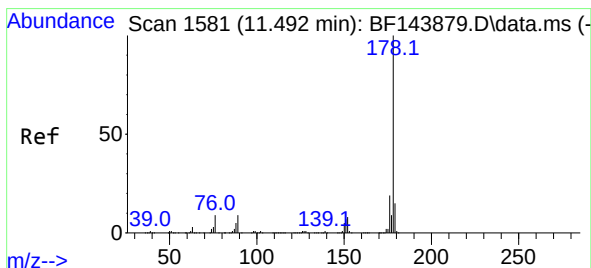
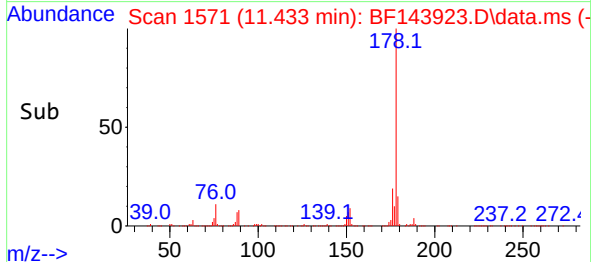
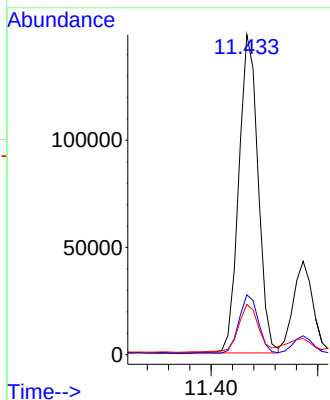
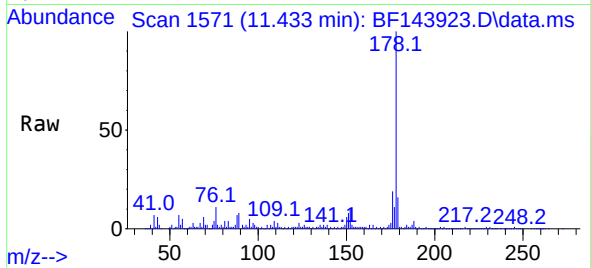




#71
Phenanthrene
Concen: 12.032 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

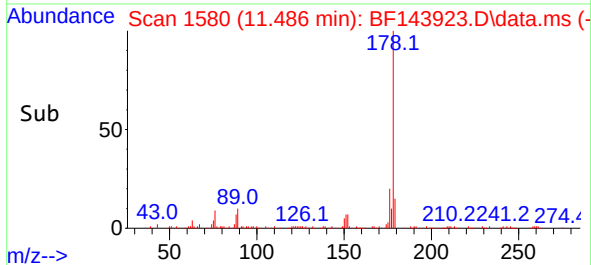
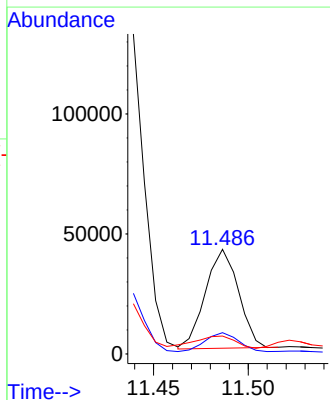
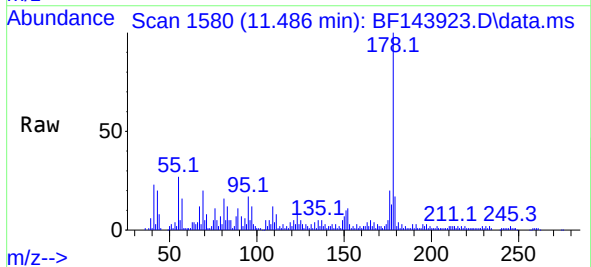
Instrument :
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SS-01-1-2

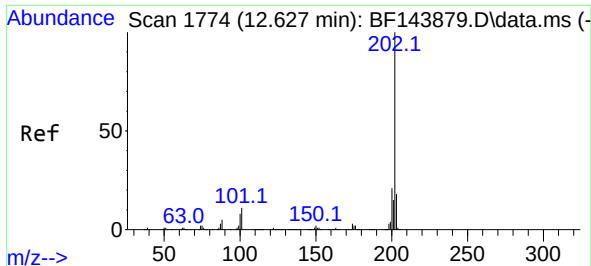
Tgt Ion:178 Resp: 186761
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 15.7 12.4 18.6



#72
Anthracene
Concen: 3.204 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion:178 Resp: 50240
Ion Ratio Lower Upper
178 100
176 20.3 14.9 22.3
179 17.2 12.2 18.2

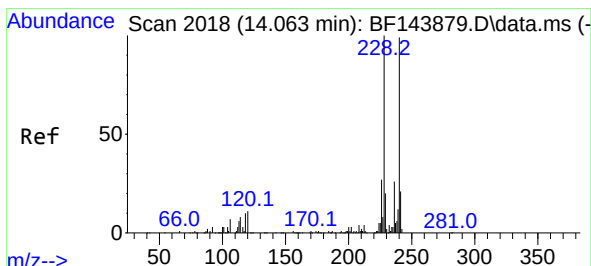
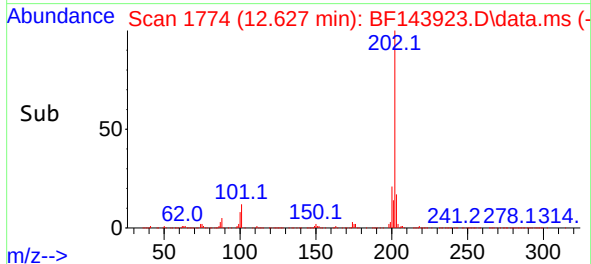
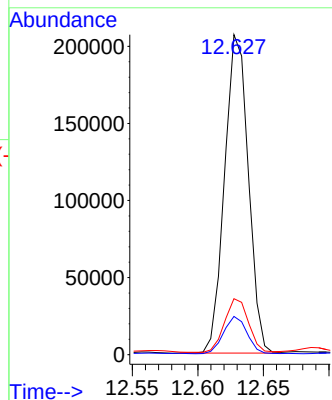
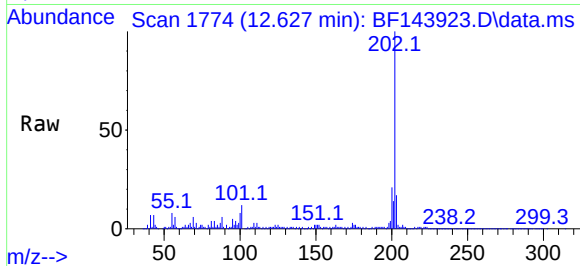




#75
Fluoranthene
Concen: 16.250 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

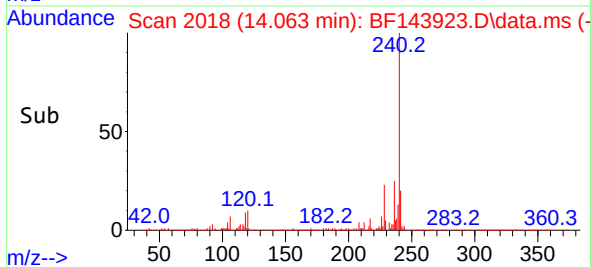
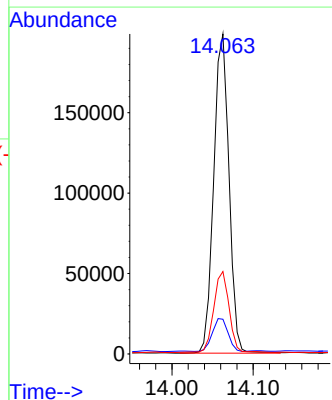
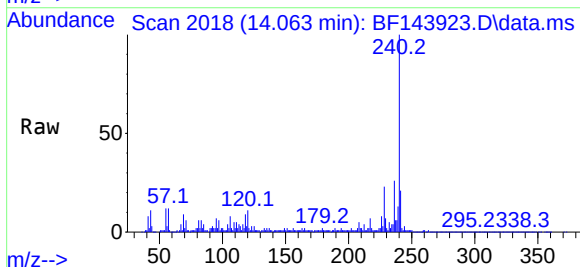
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

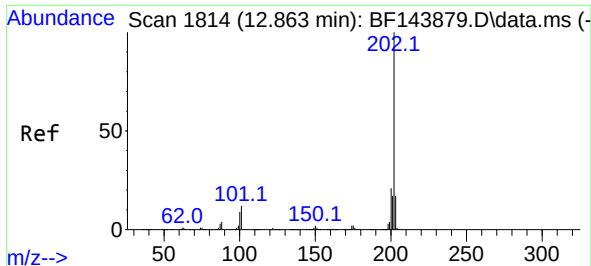
Tgt Ion:202 Resp: 260534
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.7
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion:240 Resp: 259025
Ion Ratio Lower Upper
240 100
120 10.9 8.6 13.0
236 25.7 21.1 31.7



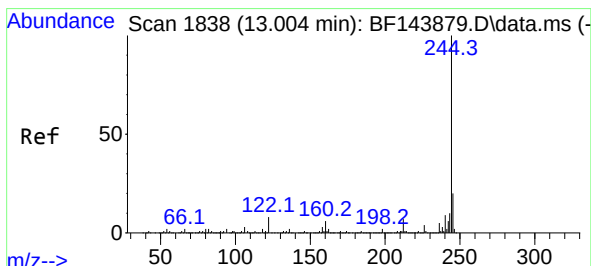
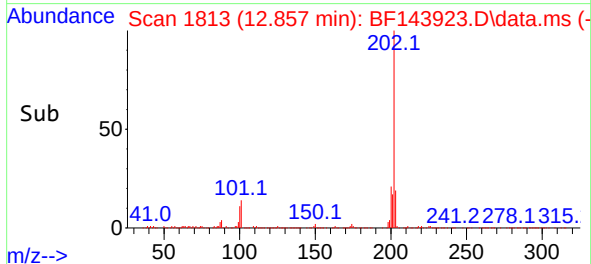
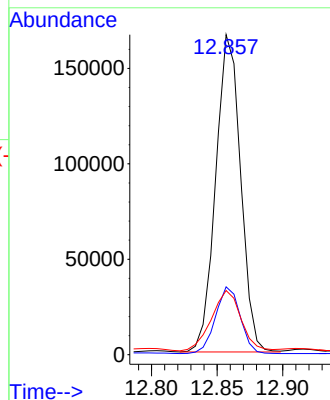
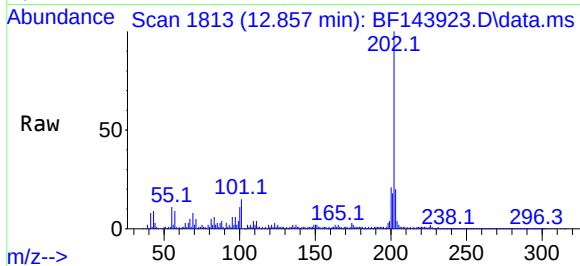


#78
 Pyrene
 Concen: 10.173 ng
 RT: 12.857 min Scan# 1813
 Delta R.T. -0.006 min
 Lab File: BF143923.D
 Acq: 10 Oct 2025 14:26

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-1-2

Tgt Ion:202 Resp: 219683

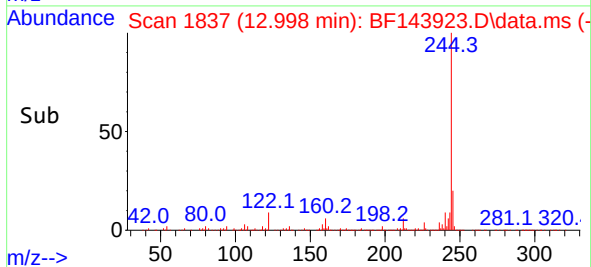
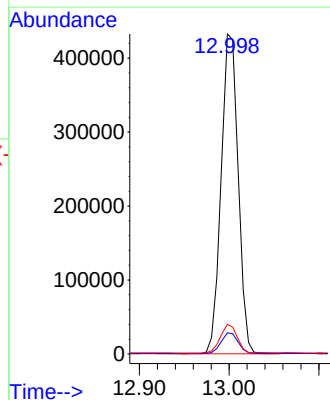
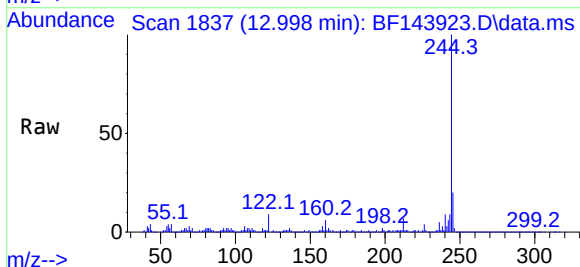
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	20.0	13.8	20.6

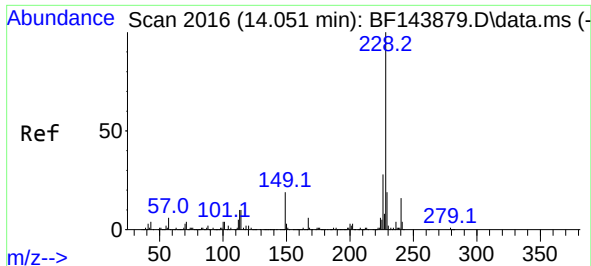


#79
 Terphenyl-d14
 Concen: 37.713 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF143923.D
 Acq: 10 Oct 2025 14:26

Tgt Ion:244 Resp: 571567

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.2	6.4	9.6

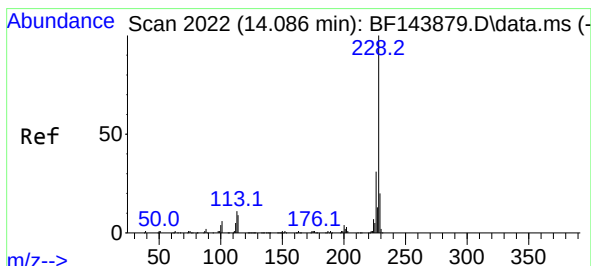
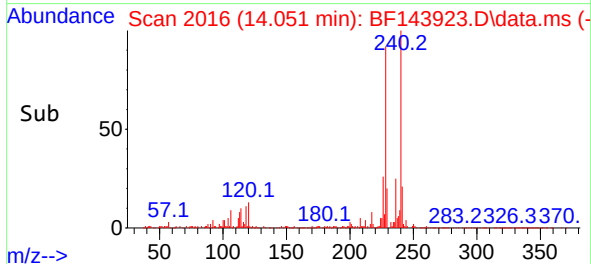
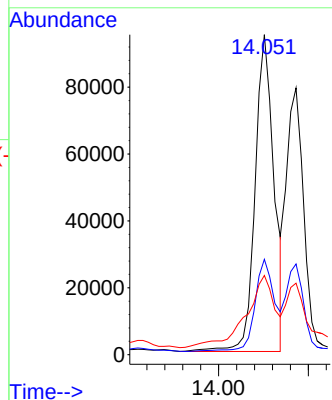
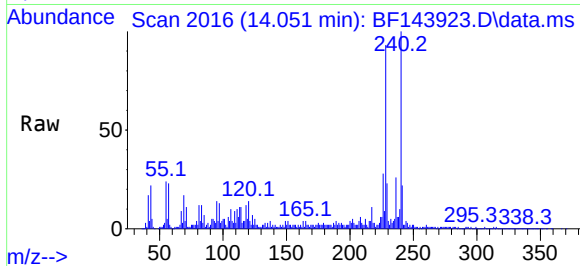




#81
Benzo(a)anthracene
Concen: 8.192 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

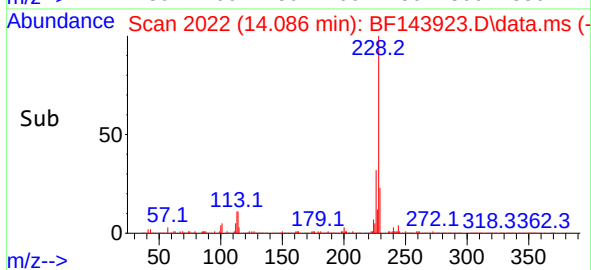
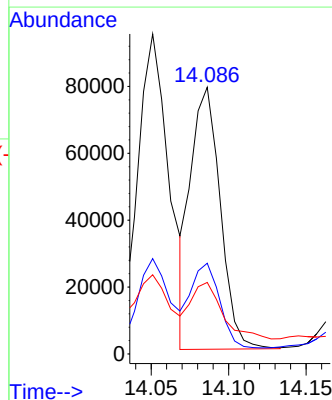
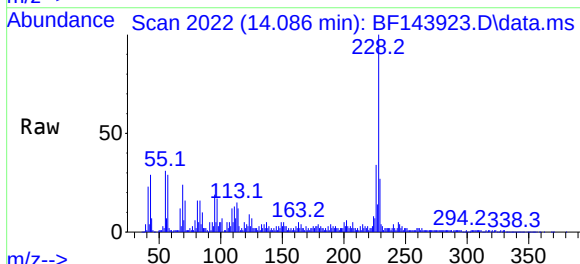
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

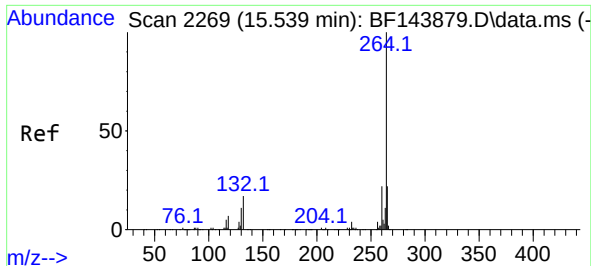
Tgt Ion:228 Resp: 138868
Ion Ratio Lower Upper
228 100
226 29.8 22.2 33.2
229 24.7 15.6 23.4#



#83
Chrysene
Concen: 6.639 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion:228 Resp: 104158
Ion Ratio Lower Upper
228 100
226 34.0 24.4 36.6
229 26.8 15.9 23.9#



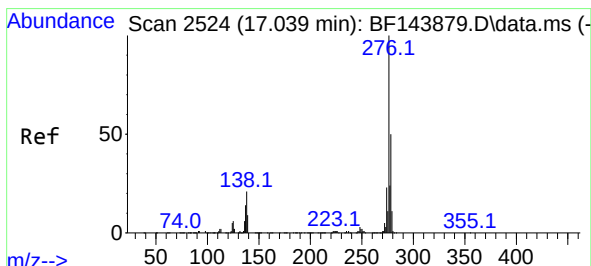
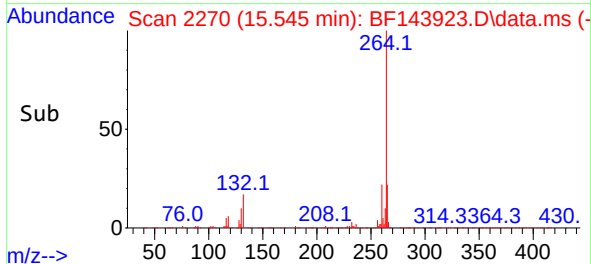
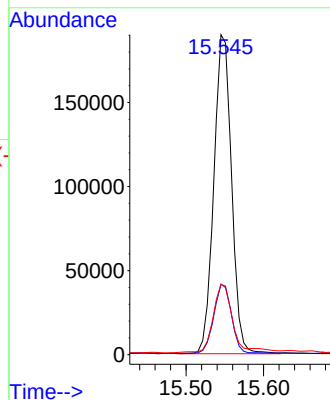
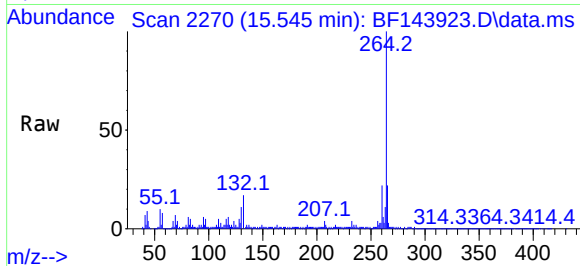


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

Tgt Ion:264 Resp: 301506

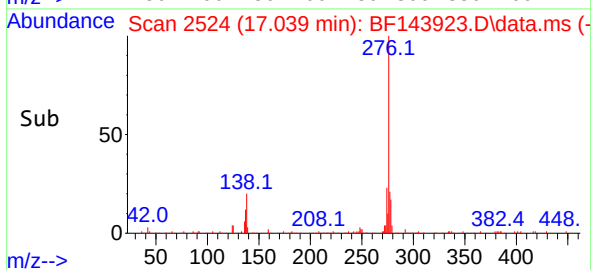
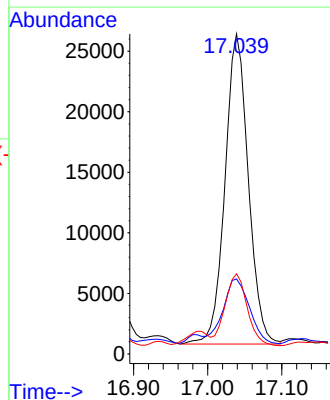
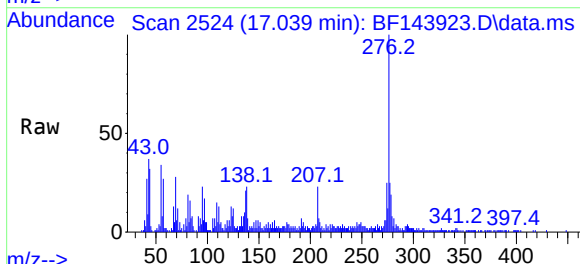
Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.8	26.8
265	22.1	17.5	26.3

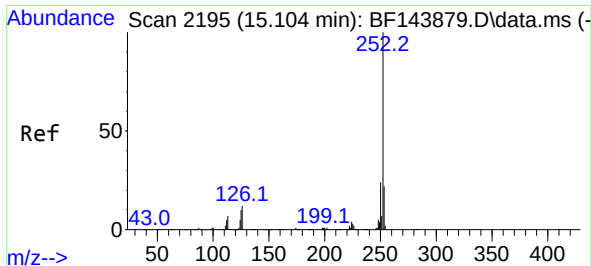


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.032 ng
RT: 17.039 min Scan# 2524
Delta R.T. -0.017 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion:276 Resp: 56014

Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.2	27.2
277	22.1	19.8	29.6

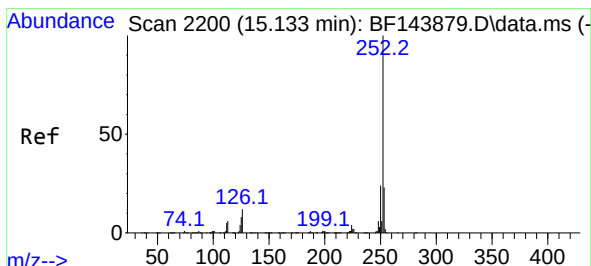
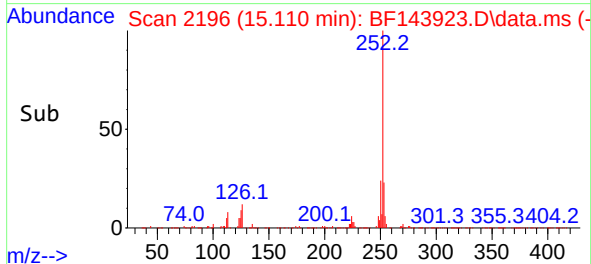
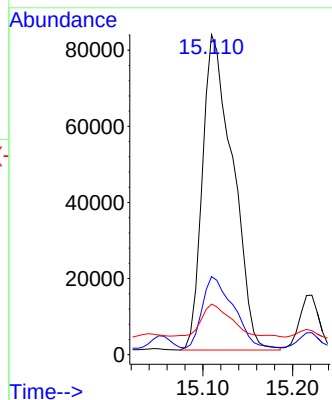
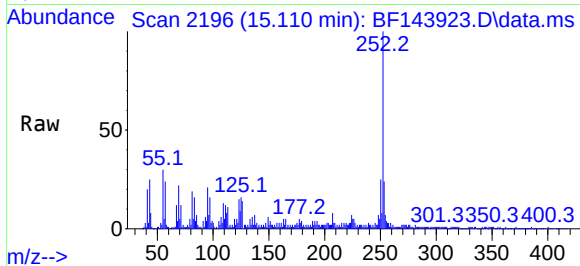




#88
Benzo(b)fluoranthene
Concen: 11.218 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

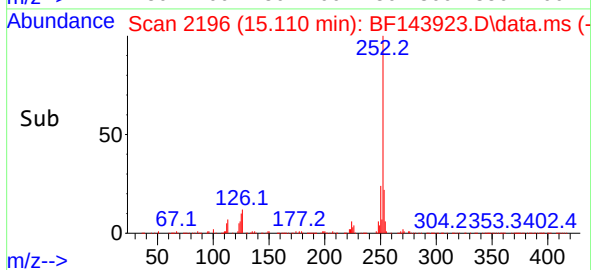
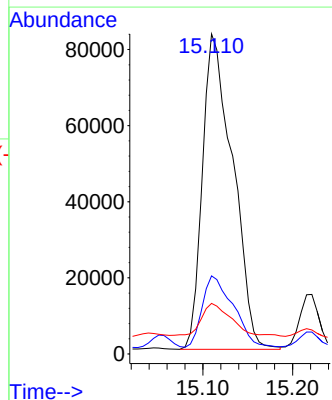
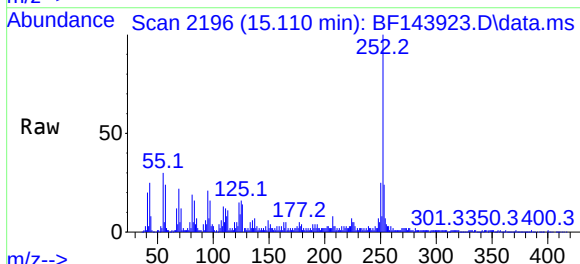
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

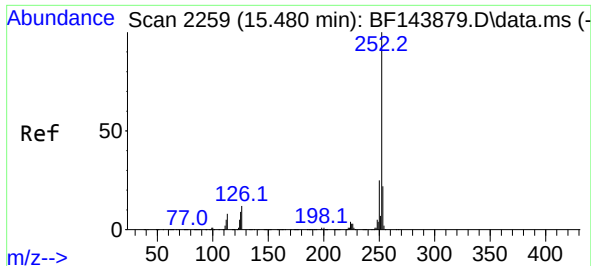
Tgt Ion:252 Resp: 194282
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.2
125 15.8 7.8 11.6#



#89
Benzo(k)fluoranthene
Concen: 12.123 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion:252 Resp: 194282
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 15.8 7.4 11.2#

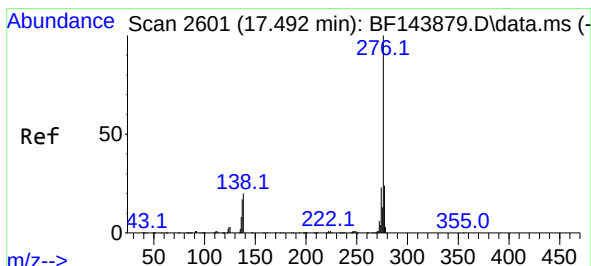
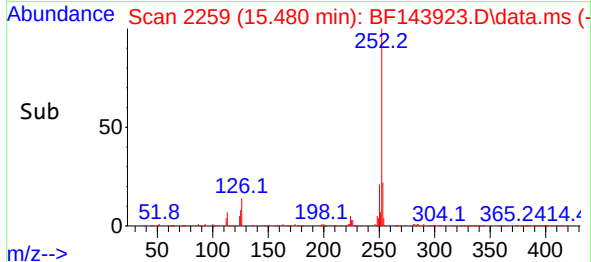
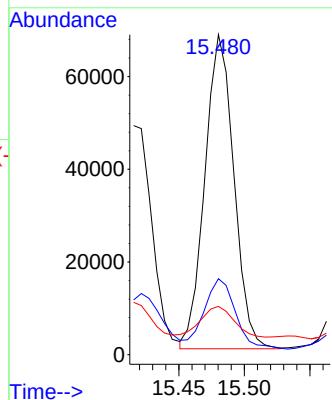
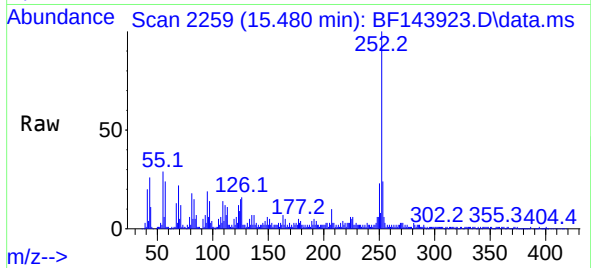




#90
Benzo(a)pyrene
Concen: 6.948 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

Tgt Ion:252 Resp: 104350
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 15.1 7.0 10.4#



#92
Benzo(g,h,i)perylene
Concen: 3.624 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.023 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion:276 Resp: 53843
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.6
138 27.7 16.1 24.1#

