

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
 Data File : BF143967.D
 Acq On : 15 Oct 2025 22:20
 Operator : RC/JU
 Sample : Q3337-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAYDOWN-YARD-1

Quant Time: Oct 16 11:11:58 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)

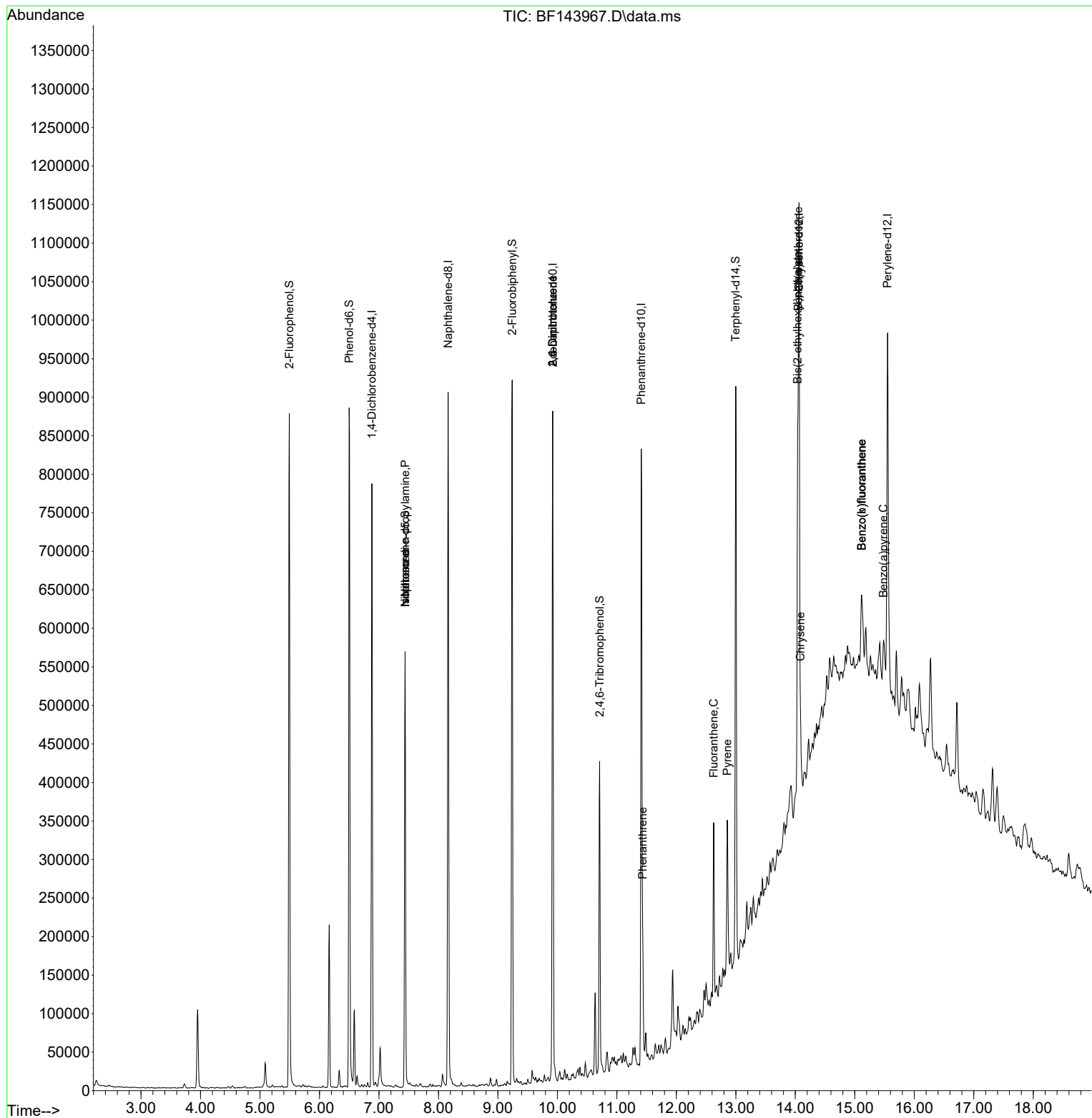
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	155567	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	550009	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	256060	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	428608	20.000	ng	0.00
76) Chrysene-d12	14.063	240	369362	20.000	ng	0.00
86) Perylene-d12	15.551	264	308055	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	348415	35.565	ng	0.00
7) Phenol-d6	6.498	99	411079	35.204	ng	-0.02
23) Nitrobenzene-d5	7.439	82	231267	25.546	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	69673	27.318	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	430001	26.646	ng	-0.01
79) Terphenyl-d14	12.998	244	390571	18.072	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	32504	4.067	ng	# 77
25) Isophorone	7.439	82	192748	10.098	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	32594	10.810	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	32594	7.945	ng	# 27
71) Phenanthrene	11.433	178	81936	3.943	ng	97
75) Fluoranthene	12.627	202	133042	6.199	ng	97
78) Pyrene	12.857	202	117705	3.822	ng	99
81) Benzo(a)anthracene	14.051	228	60729	2.512	ng	# 90
83) Chrysene	14.086	228	54577	2.440	ng	# 91
84) Bis(2-ethylhexyl)phtha...	14.039	149	160094	13.280	ng	98
88) Benzo(b)fluoranthene	15.115	252	71408	4.035	ng	# 78
89) Benzo(k)fluoranthene	15.115	252	71408	4.361	ng	# 78
90) Benzo(a)pyrene	15.480	252	34284	2.234	ng	# 72

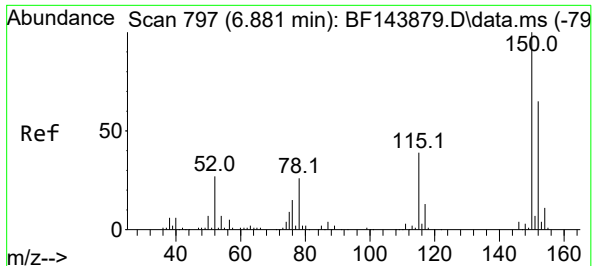
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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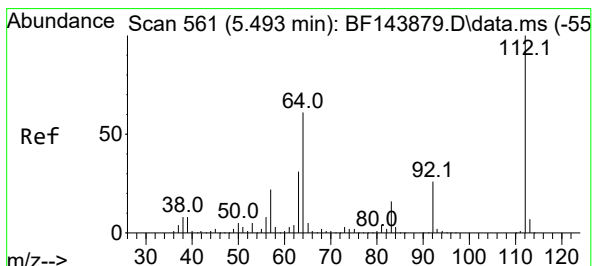
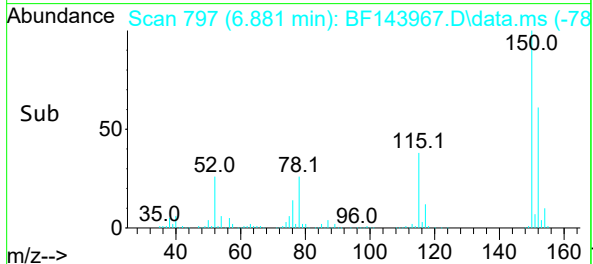
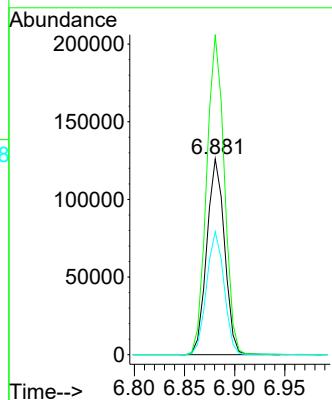
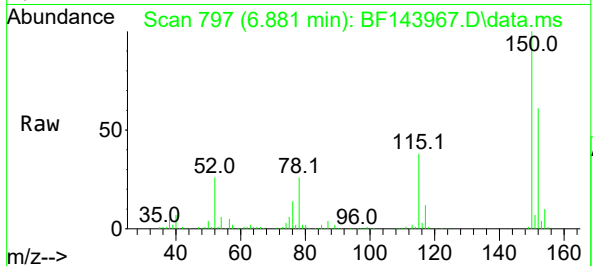




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

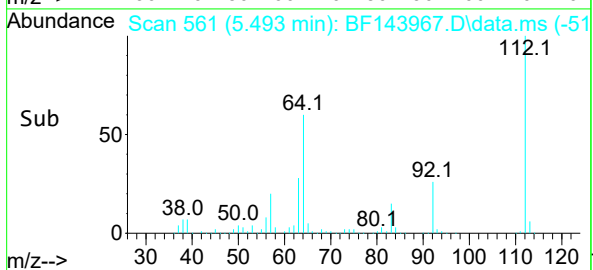
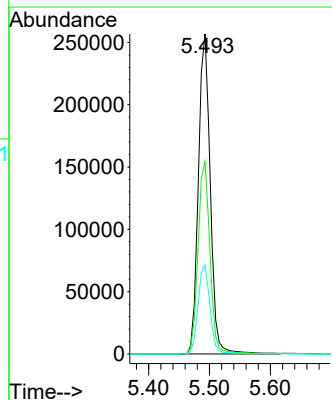
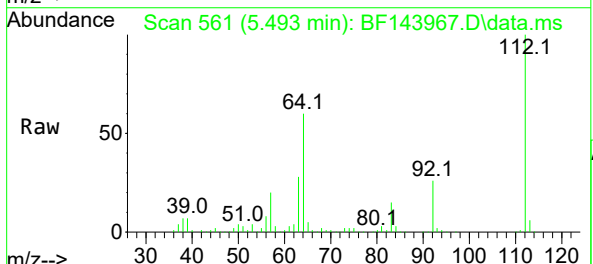
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1

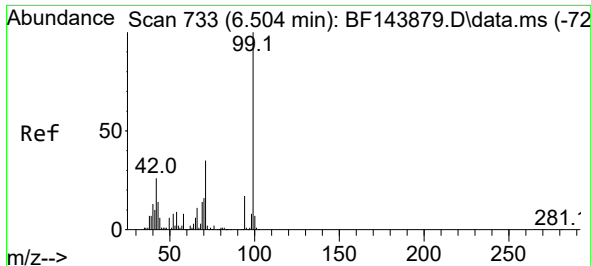
Tgt Ion:152 Resp: 155567
Ion Ratio Lower Upper
152 100
150 163.3 124.4 186.6
115 62.8 48.1 72.1



#5
2-Fluorophenol
Concen: 35.565 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Tgt Ion:112 Resp: 348415
Ion Ratio Lower Upper
112 100
64 60.1 49.1 73.7
63 27.9 24.5 36.7

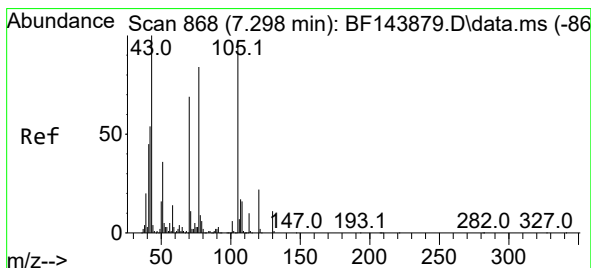
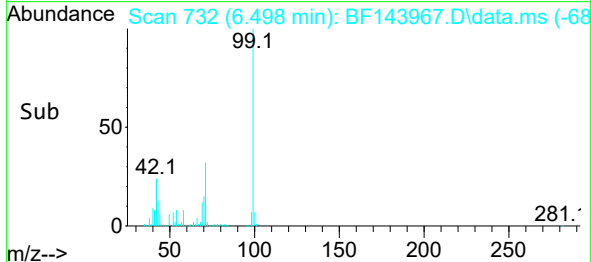
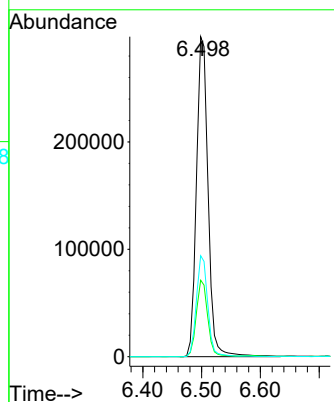
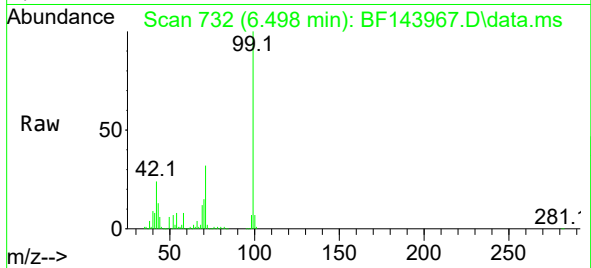




#7
Phenol-d6
Concen: 35.204 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

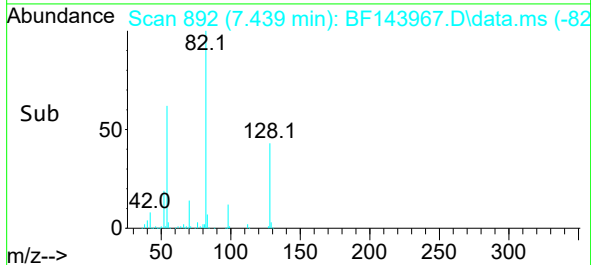
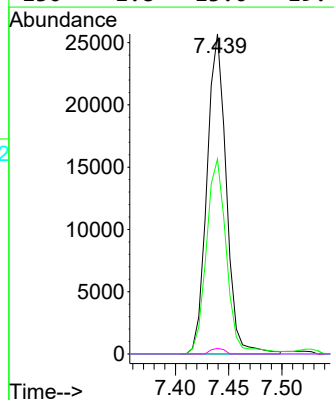
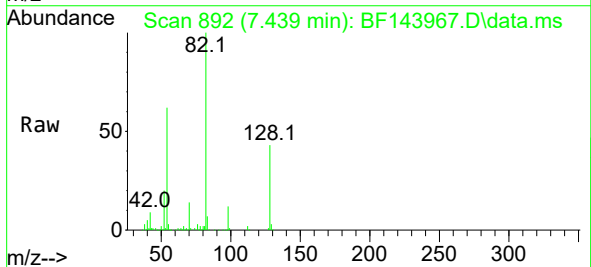
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1

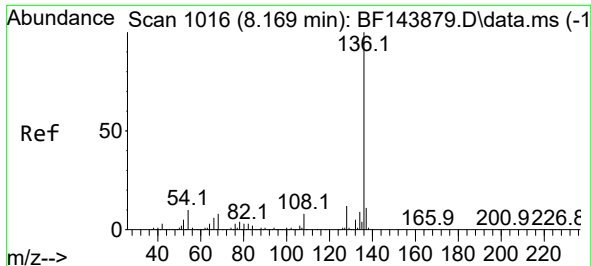
Tgt Ion: 99 Resp: 411079
Ion Ratio Lower Upper
99 100
42 23.9 21.0 31.4
71 31.6 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 4.067 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Tgt Ion: 70 Resp: 32504
Ion Ratio Lower Upper
70 100
42 60.9 62.8 94.2#
101 0.0 6.7 10.1#
130 1.8 13.0 19.4#

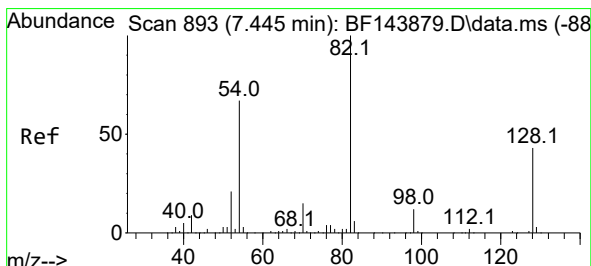
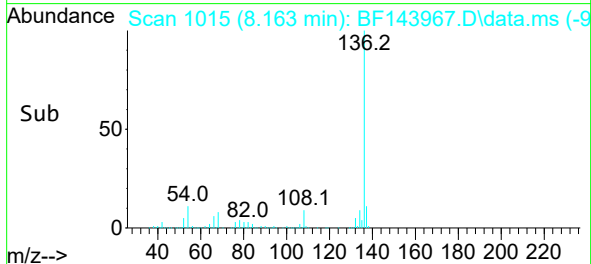
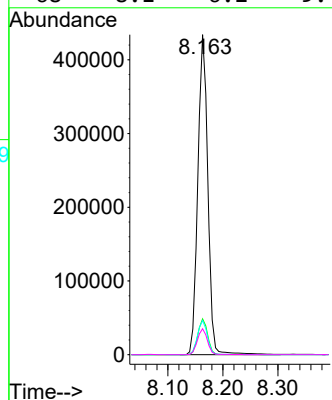
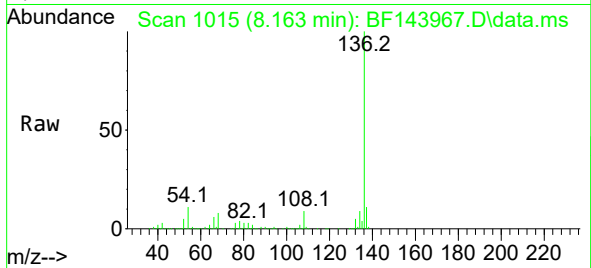




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

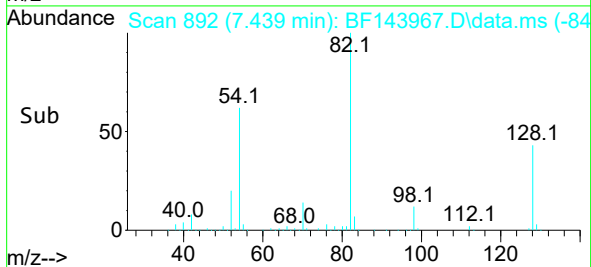
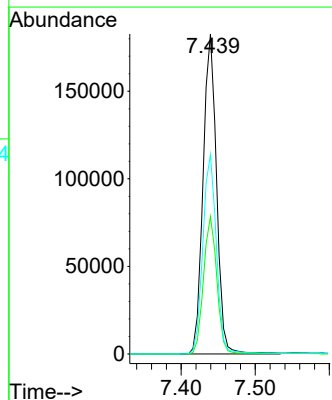
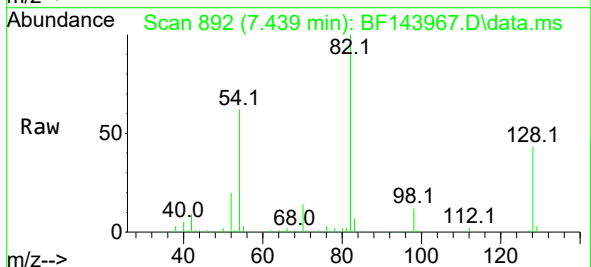
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1

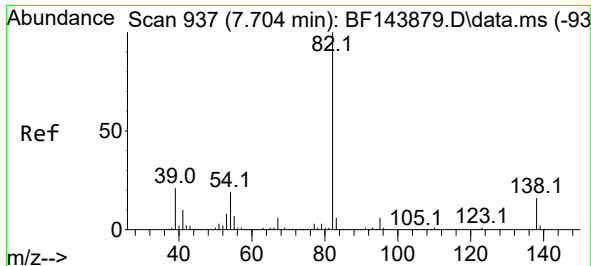
Tgt Ion:136 Resp: 550009
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.7 8.2 12.4
68 8.1 6.2 9.4



#23
Nitrobenzene-d5
Concen: 25.546 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Tgt Ion: 82 Resp: 231267
Ion Ratio Lower Upper
82 100
128 43.0 34.0 51.0
54 62.3 53.2 79.8

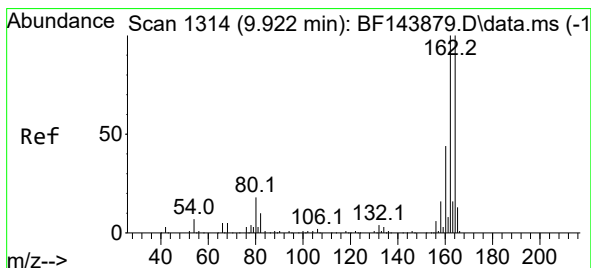
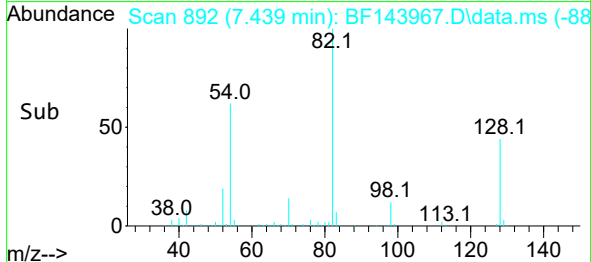
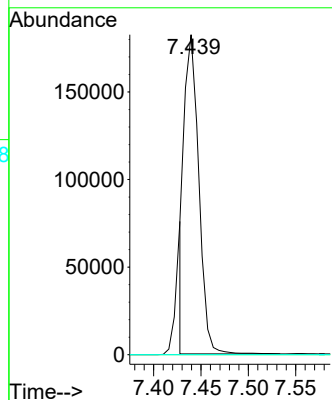
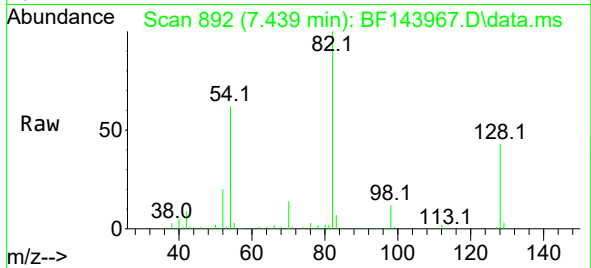




#25
Isophorone
Concen: 10.098 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

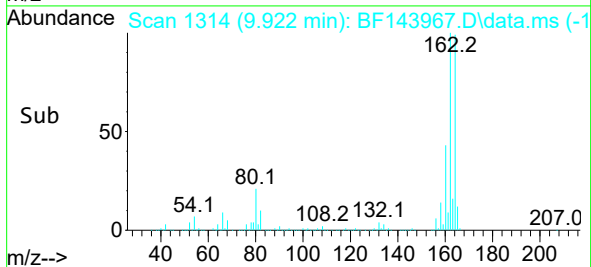
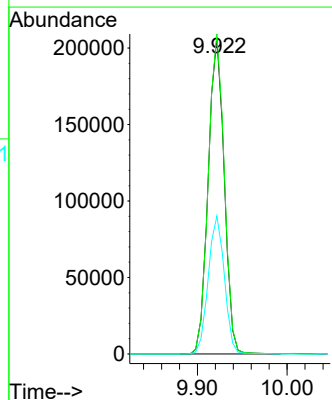
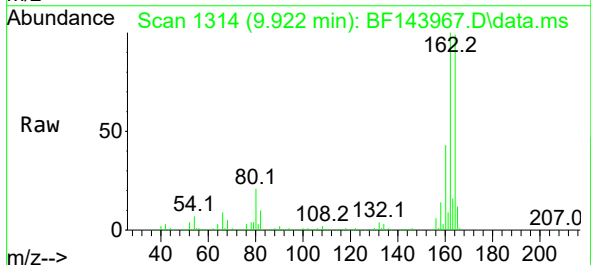
Instrument :
BNA_F
ClientSampleId :
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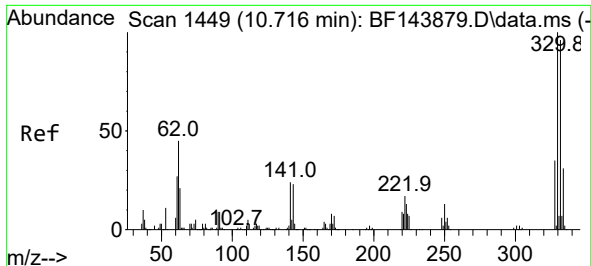
Tgt Ion: 82 Resp: 192748
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Tgt Ion:164 Resp: 256060
Ion Ratio Lower Upper
164 100
162 101.1 80.2 120.2
160 43.6 35.4 53.0

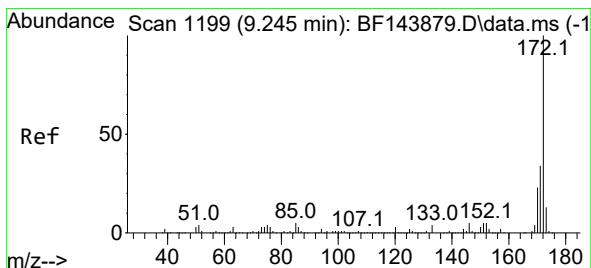
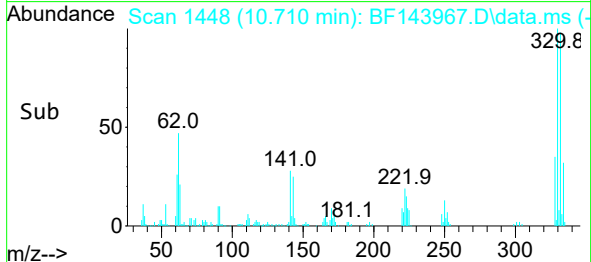
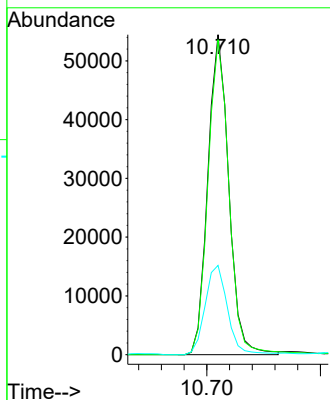
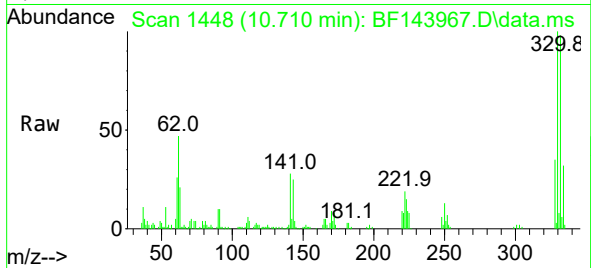




#42
2,4,6-Tribromophenol
Concen: 27.318 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

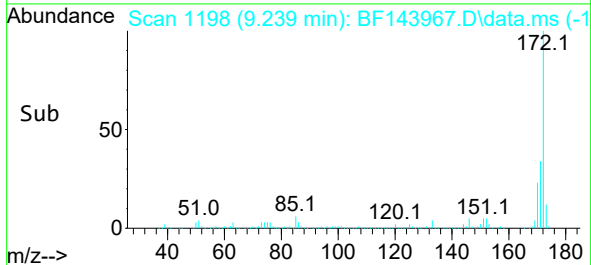
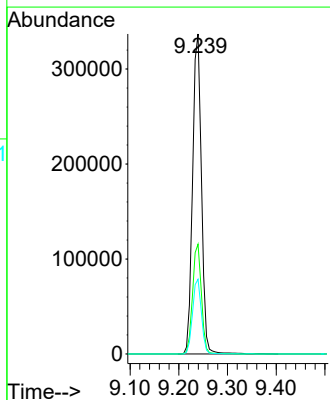
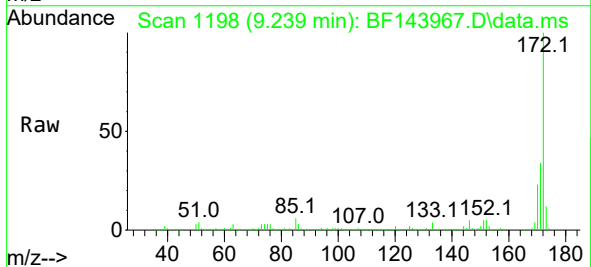
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1

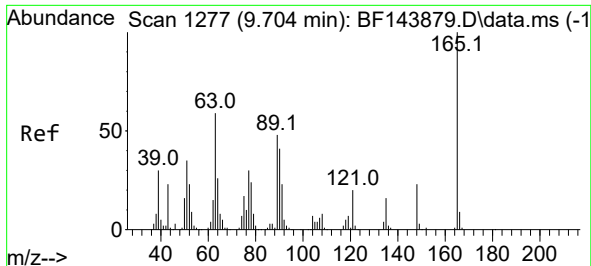
Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.7	76.9	115.3
141	30.3	20.2	30.4



#45
2-Fluorobiphenyl
Concen: 26.646 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.0
170	23.3	18.6	28.0

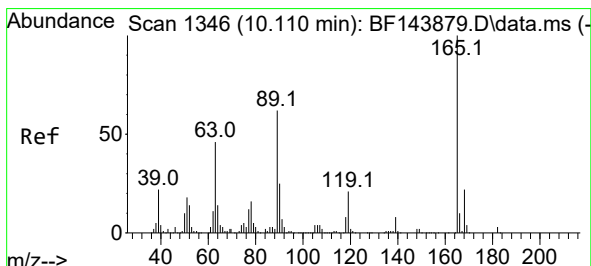
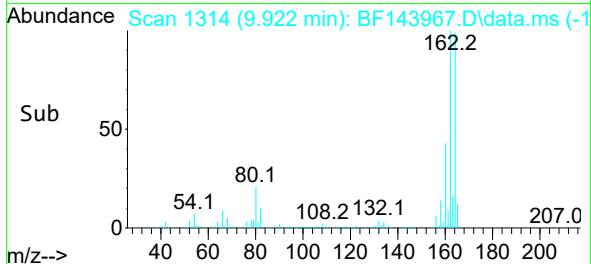
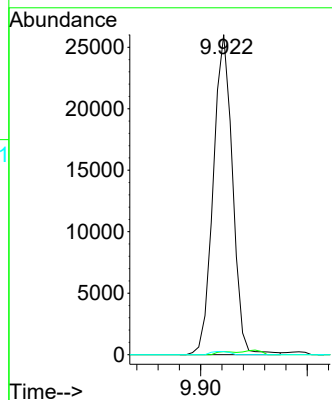
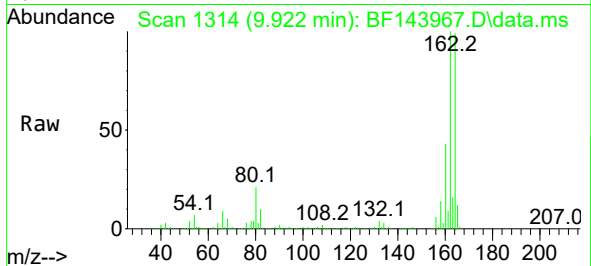




#51
2,6-Dinitrotoluene
Concen: 10.810 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

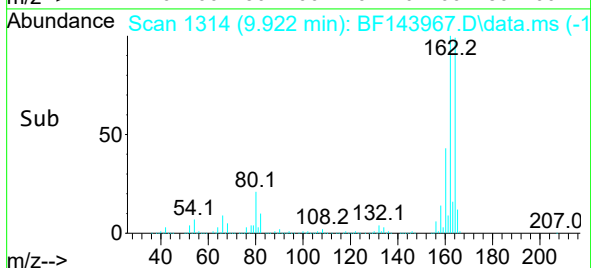
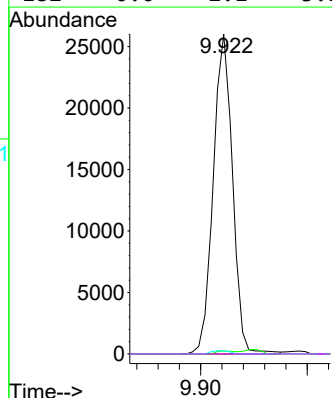
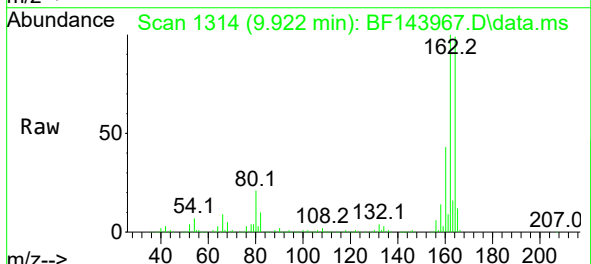
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LAYDOWN-YARD-1

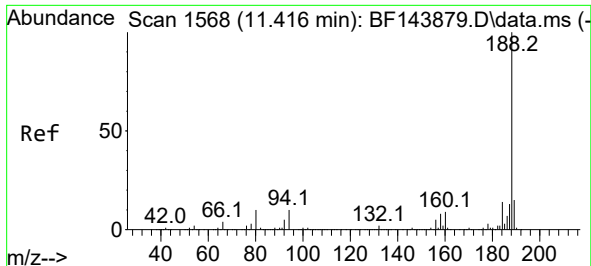
Tgt Ion:165 Resp: 32594
Ion Ratio Lower Upper
165 100
63 1.0 47.3 70.9#
89 0.9 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.945 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Tgt Ion:165 Resp: 32594
Ion Ratio Lower Upper
165 100
63 1.0 37.2 55.8#
89 0.9 49.4 74.2#
182 0.0 2.1 3.1#

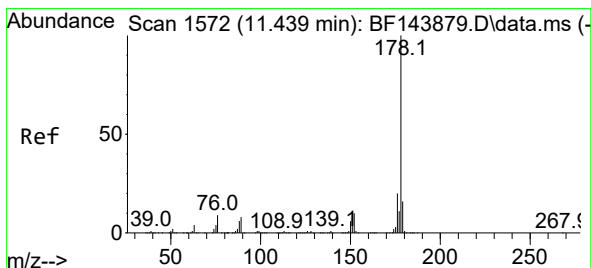
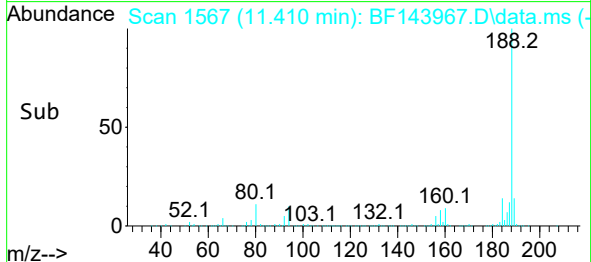
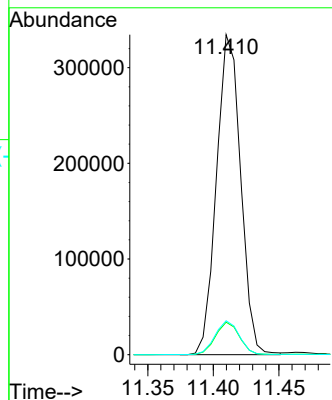
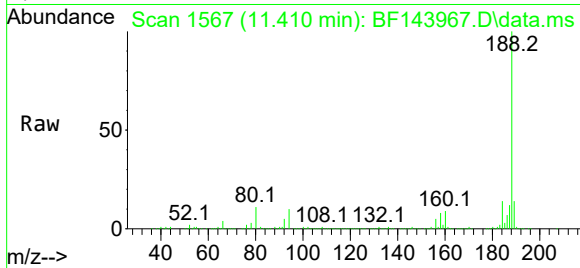




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

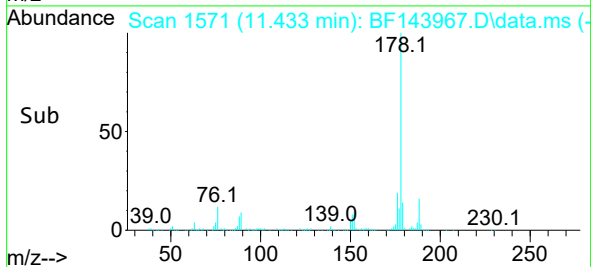
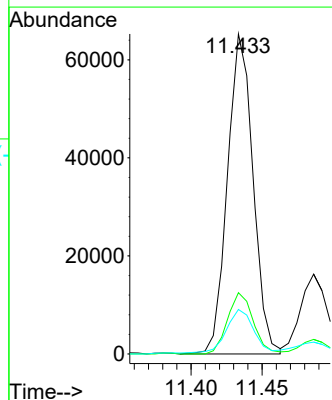
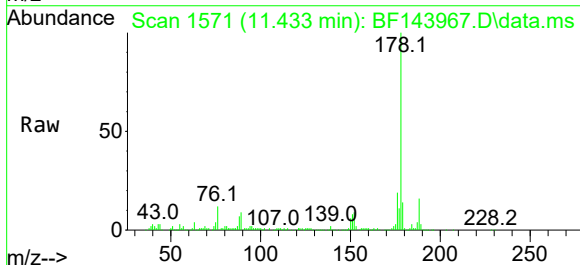
Instrument :
BNA_F
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LAYDOWN-YARD-1

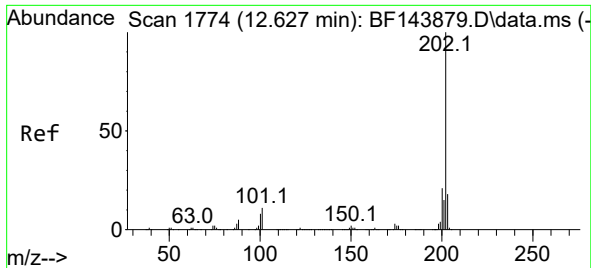
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Ion Ratio Lower Upper
188 100
94 10.2 7.8 11.6
80 10.6 7.9 11.9



#71
Phenanthrene
Concen: 3.943 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Tgt Ion:178 Resp: 81936
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 13.9 12.4 18.6

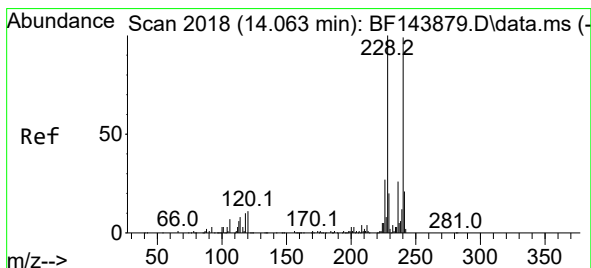
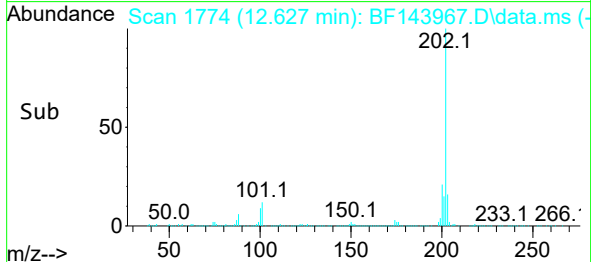
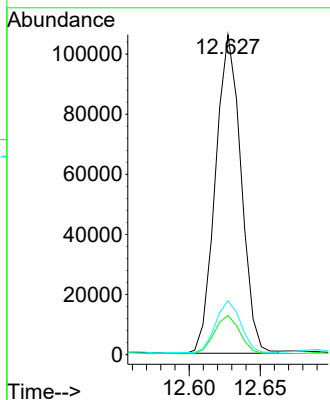
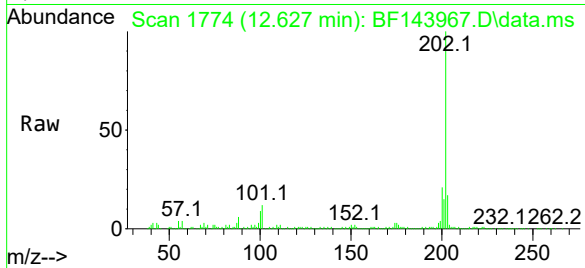




#75
Fluoranthene
Concen: 6.199 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

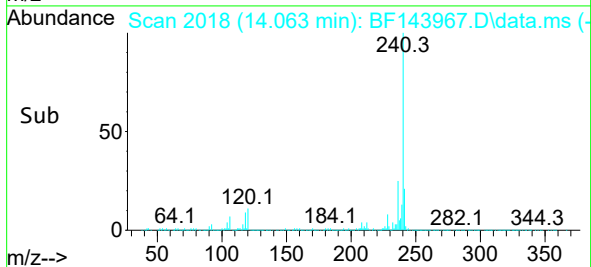
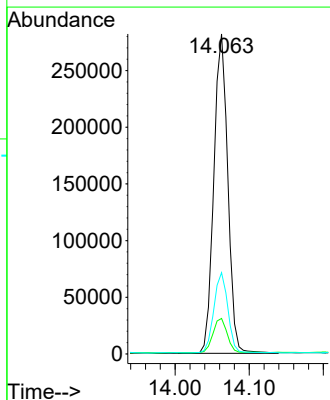
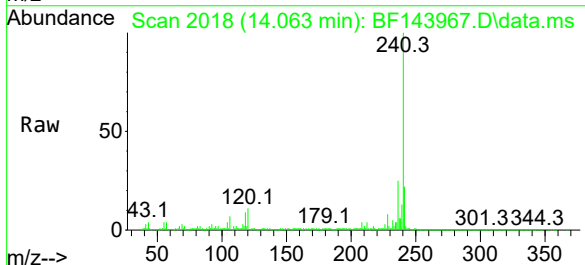
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1

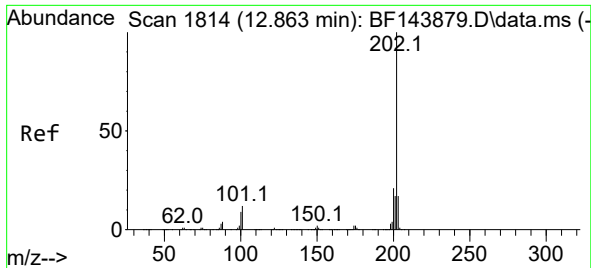
Tgt Ion:202 Resp: 133042
Ion Ratio Lower Upper
202 100
101 12.3 0.0 30.7
203 16.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Tgt Ion:240 Resp: 369362
Ion Ratio Lower Upper
240 100
120 11.1 8.6 13.0
236 25.4 21.1 31.7

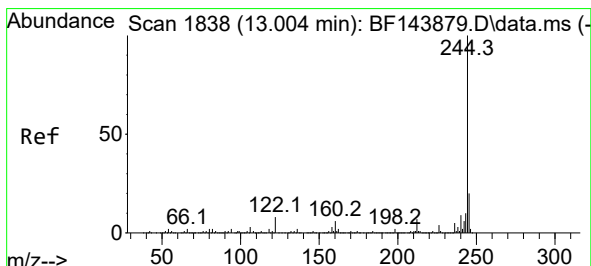
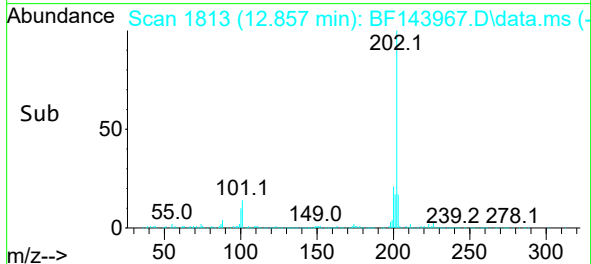
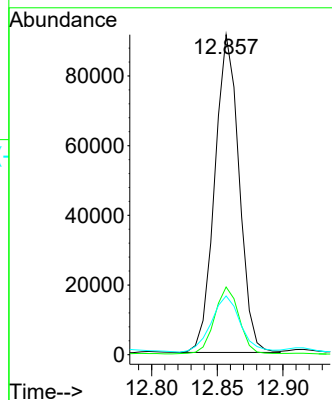
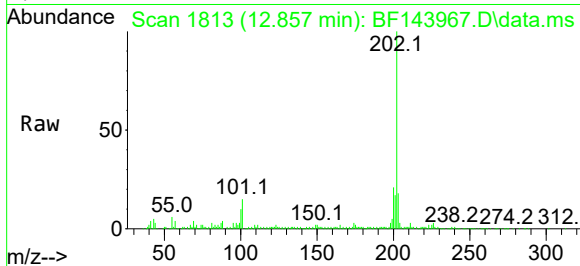




#78
Pyrene
Concen: 3.822 ng
RT: 12.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

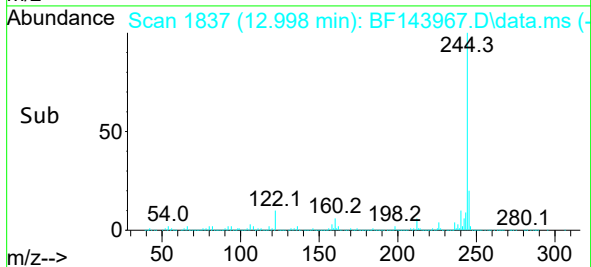
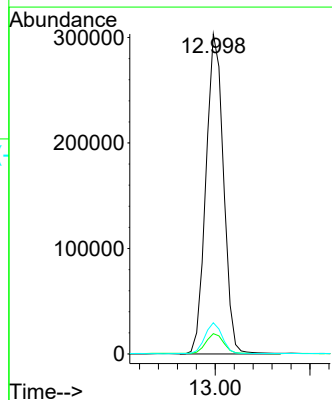
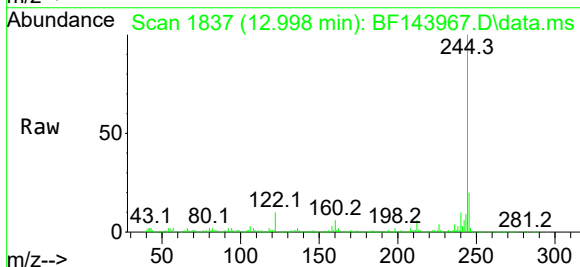
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1

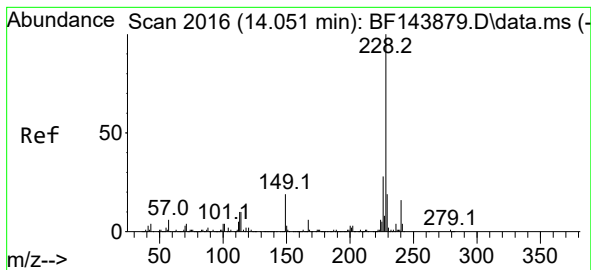
Tgt Ion:202 Resp: 117705
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 18.4 13.8 20.6



#79
Terphenyl-d14
Concen: 18.072 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Tgt Ion:244 Resp: 390571
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.7 6.4 9.6#





#81

Benzo(a)anthracene

Concen: 2.512 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF143967.D

Acq: 15 Oct 2025 22:20

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1

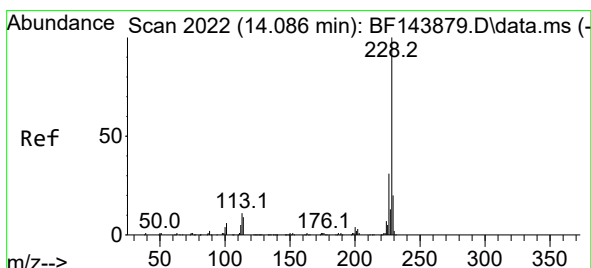
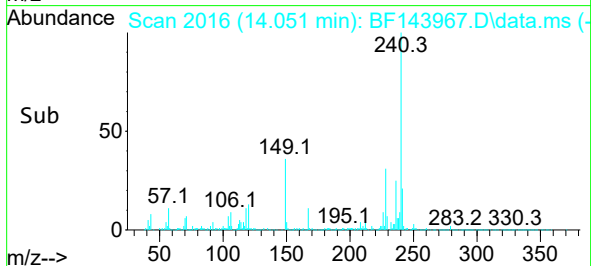
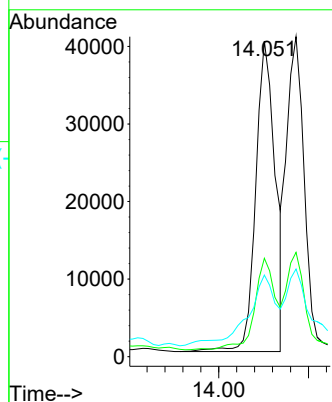
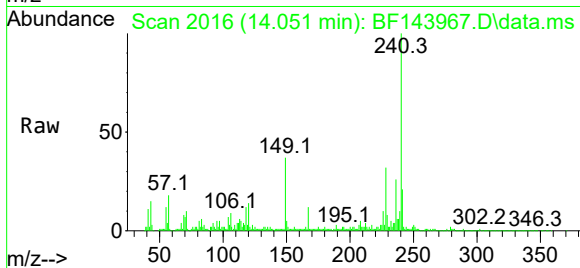
Tgt Ion:228 Resp: 60729

Ion Ratio Lower Upper

228 100

226 31.2 22.2 33.2

229 25.9 15.6 23.4#



#83

Chrysene

Concen: 2.440 ng

RT: 14.086 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF143967.D

Acq: 15 Oct 2025 22:20

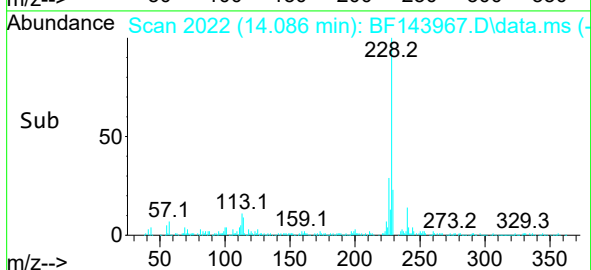
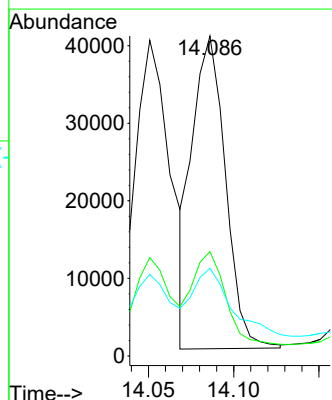
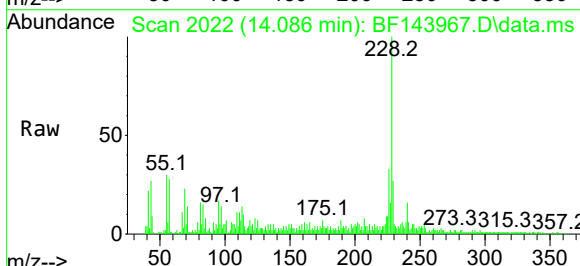
Tgt Ion:228 Resp: 54577

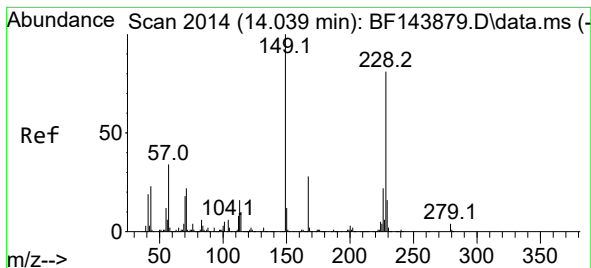
Ion Ratio Lower Upper

228 100

226 32.6 24.4 36.6

229 27.4 15.9 23.9#

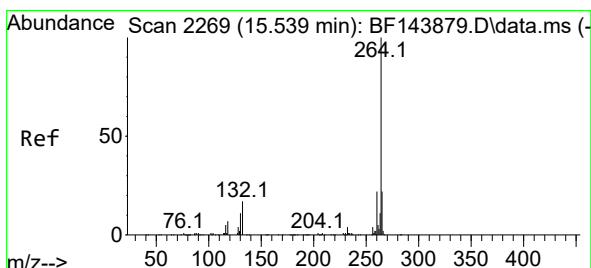
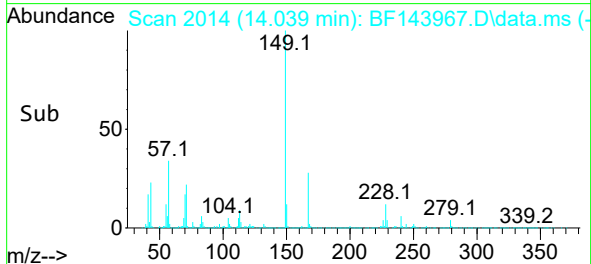
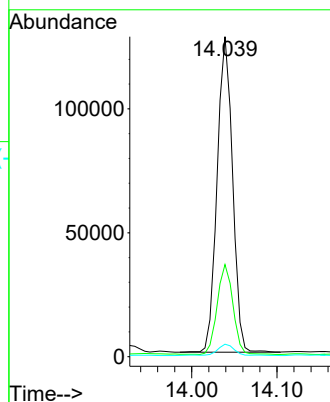
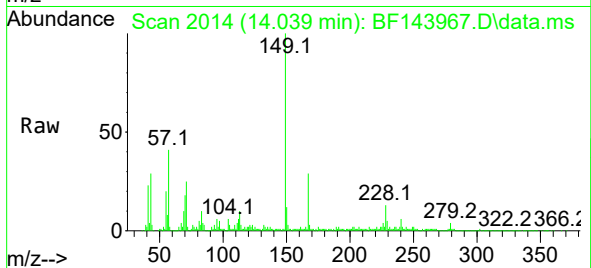




#84
Bis(2-ethylhexyl)phthalate
Concen: 13.280 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

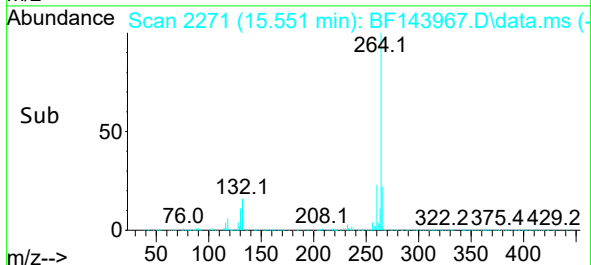
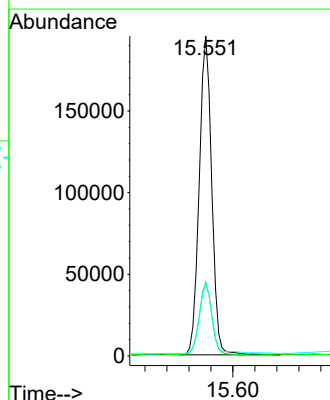
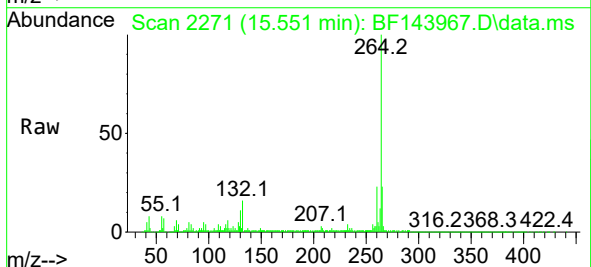
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1

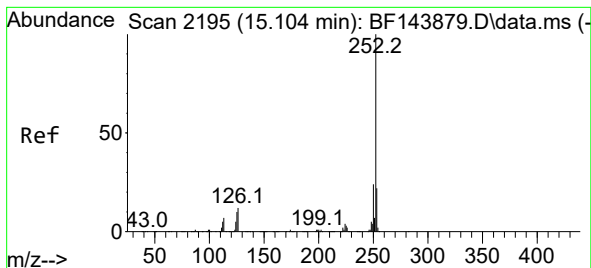
Tgt Ion:149 Resp: 160094
Ion Ratio Lower Upper
149 100
167 28.8 22.2 33.4
279 3.9 3.1 4.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Tgt Ion:264 Resp: 308055
Ion Ratio Lower Upper
264 100
260 23.1 17.8 26.8
265 22.5 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 4.035 ng

RT: 15.115 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF143967.D

Acq: 15 Oct 2025 22:20

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1

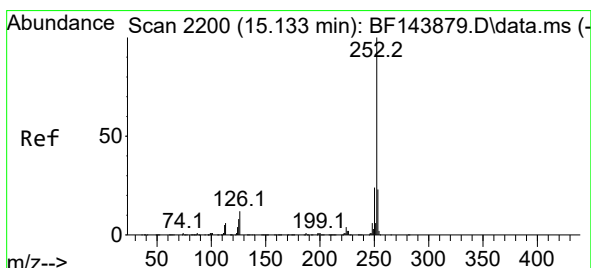
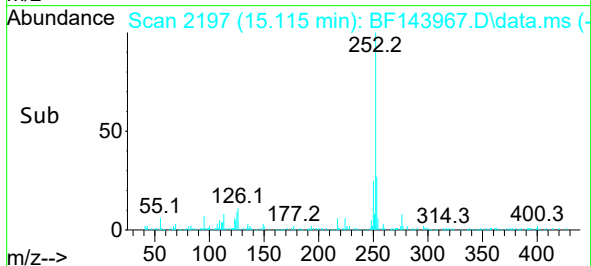
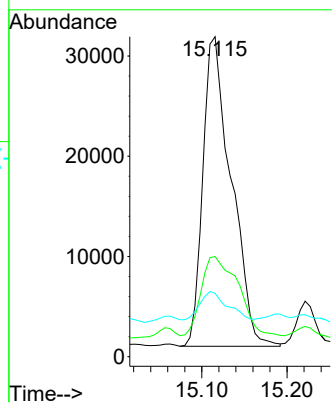
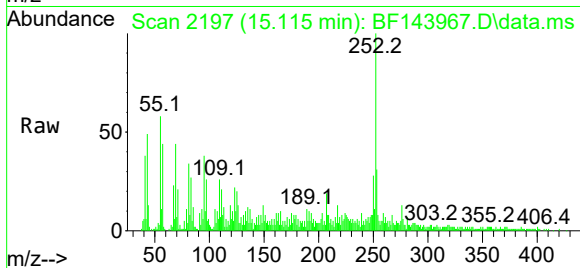
Tgt Ion:252 Resp: 71408

Ion Ratio Lower Upper

252 100

253 31.3 17.4 26.2#

125 19.8 7.8 11.6#



#89

Benzo(k)fluoranthene

Concen: 4.361 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.029 min

Lab File: BF143967.D

Acq: 15 Oct 2025 22:20

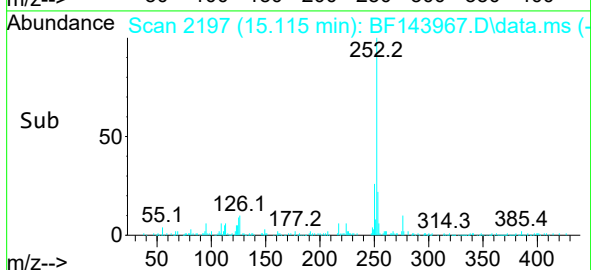
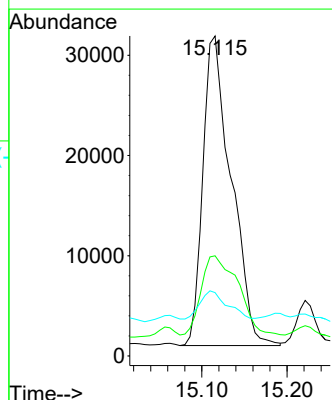
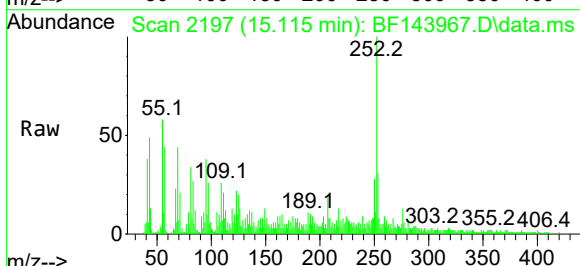
Tgt Ion:252 Resp: 71408

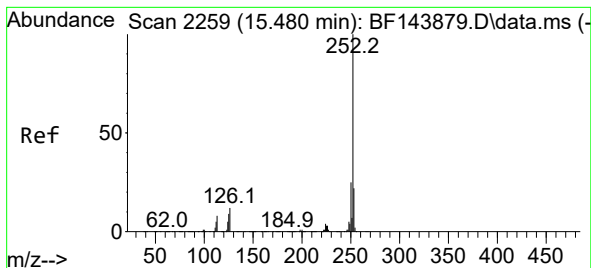
Ion Ratio Lower Upper

252 100

253 31.3 17.8 26.8#

125 19.8 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 2.234 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143967.D

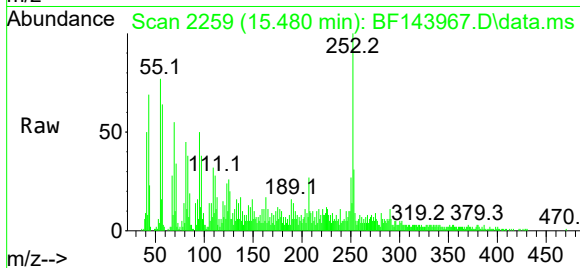
Acq: 15 Oct 2025 22:20

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1



Tgt Ion:252 Resp: 34284

Ion Ratio Lower Upper

252 100

253 31.2 17.3 25.9#

125 26.0 7.0 10.4#

