

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
 Data File : BF142951.D
 Acq On : 01 Jul 2025 15:56
 Operator : RC/JU
 Sample : Q2447-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Jul 01 16:39:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

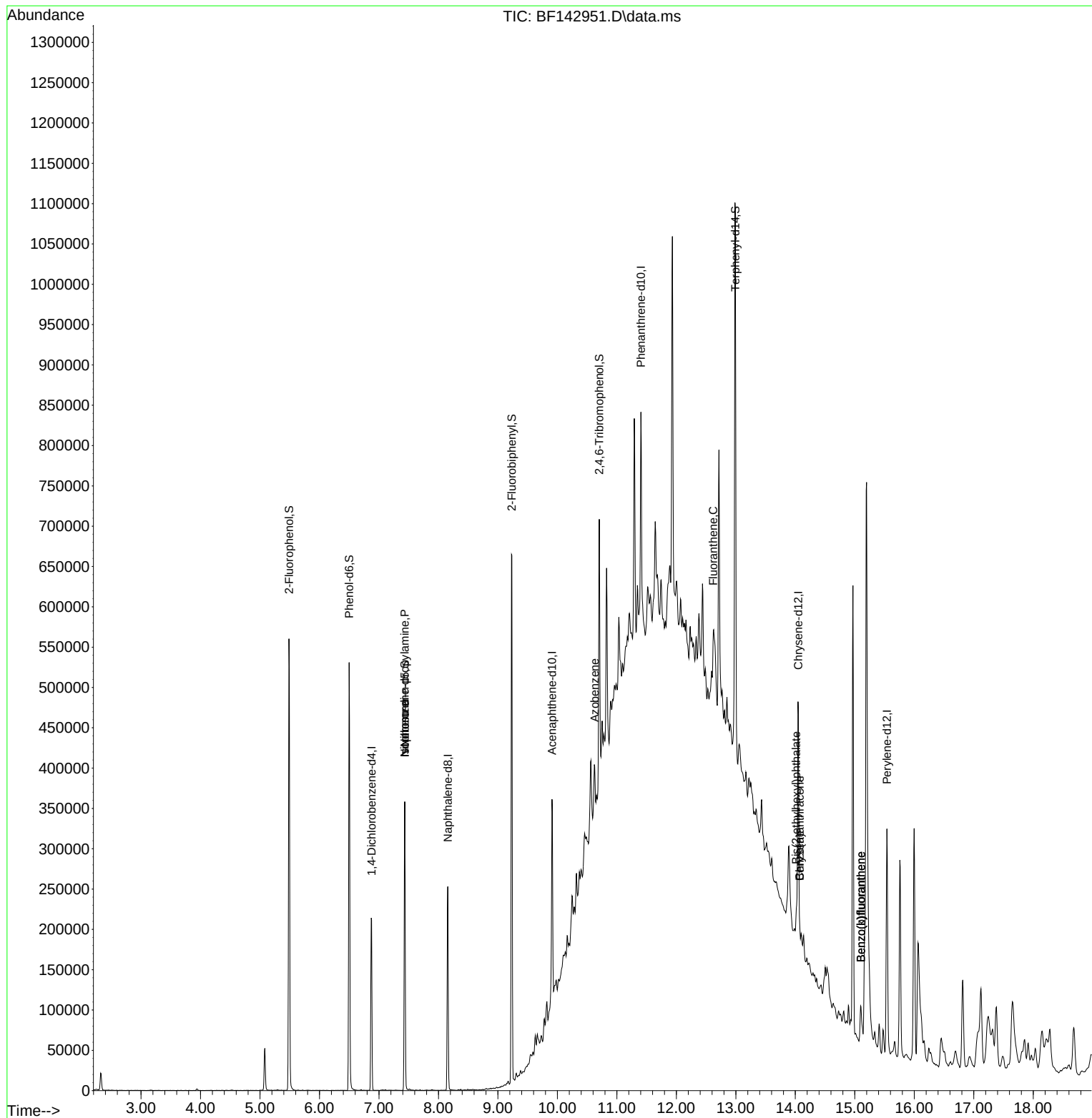
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	49037	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	162012	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	73287	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	118865	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	140654	20.000	ng	0.00
86) Perylene-d12	15.539	264	152047	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	220734	74.945	ng	0.00
7) Phenol-d6	6.498	99	239022	68.786	ng	-0.01
23) Nitrobenzene-d5	7.434	82	148204	50.176	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	58614	77.720	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	302296	54.187	ng	-0.01
79) Terphenyl-d14	12.992	244	337952	33.198	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	19690	9.743	ng	# 75
25) Isophorone	7.434	82	148202	31.278	ng	# 62
63) Azobenzene	10.628	77	14345	3.451	ng	# 1
75) Fluoranthene	12.622	202	27188	4.449	ng	93
81) Benzo(a)anthracene	14.074	228	19108	2.014	ng	99
83) Chrysene	14.074	228	19108	2.257	ng	97
84) Bis(2-ethylhexyl)phtha...	14.016	149	16943	3.079	ng	93
88) Benzo(b)fluoranthene	15.104	252	35276	4.009	ng	# 94
89) Benzo(k)fluoranthene	15.104	252	35276	4.286	ng	# 94

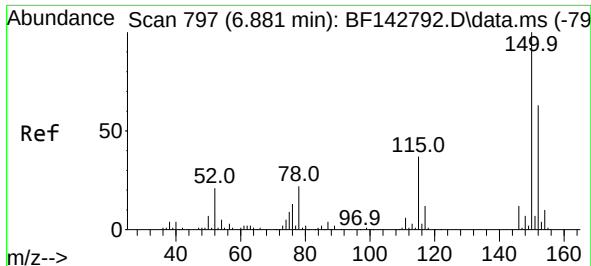
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070125\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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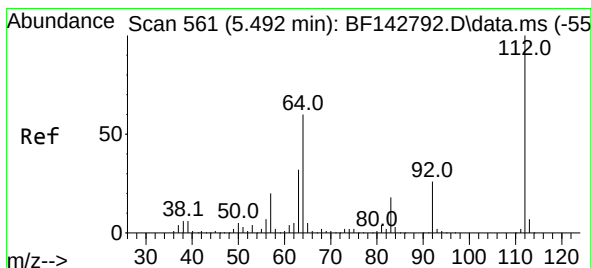
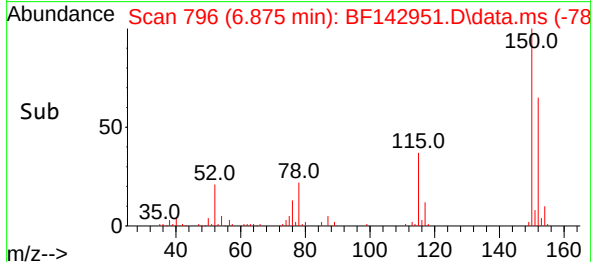
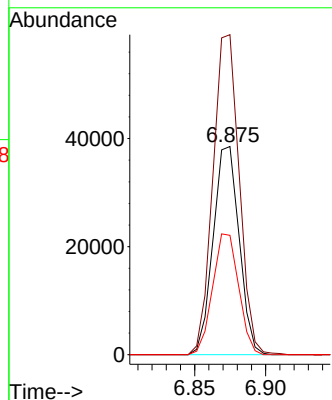
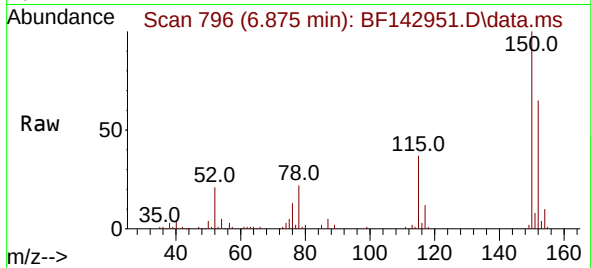




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

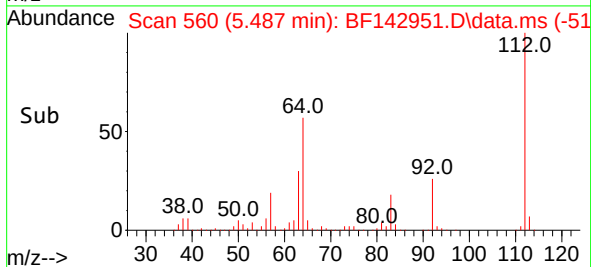
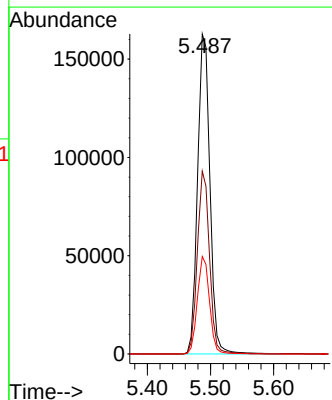
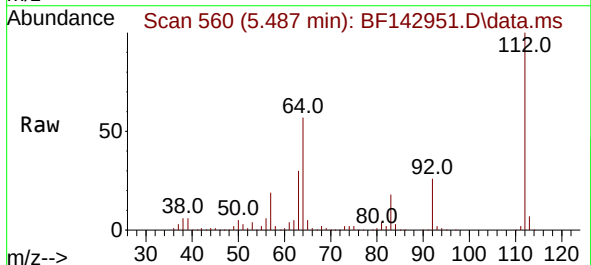
Instrument :
BNA_F
ClientSampleId :
COMP-1

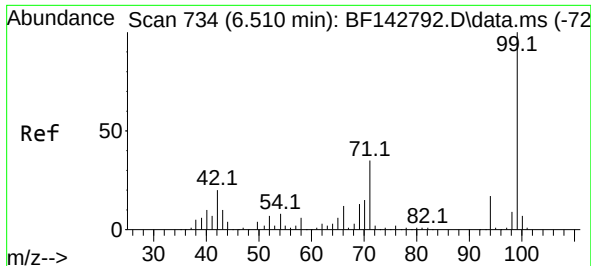
Tgt Ion:152 Resp: 49037
Ion Ratio Lower Upper
152 100
150 153.8 127.2 190.8
115 57.3 46.6 69.8



#5
2-Fluorophenol
Concen: 74.945 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

Tgt Ion:112 Resp: 220734
Ion Ratio Lower Upper
112 100
64 57.1 48.2 72.2
63 30.4 25.7 38.5

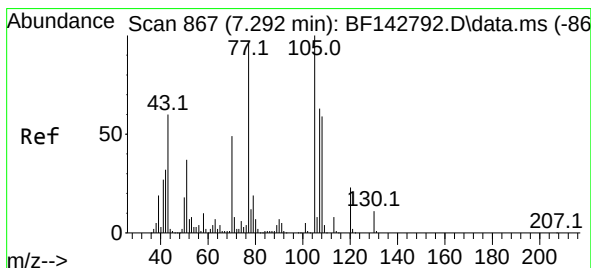
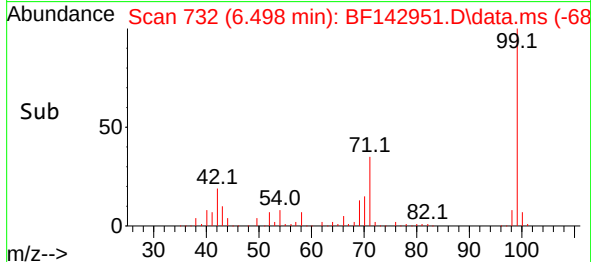
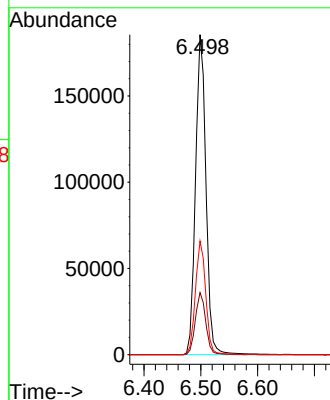
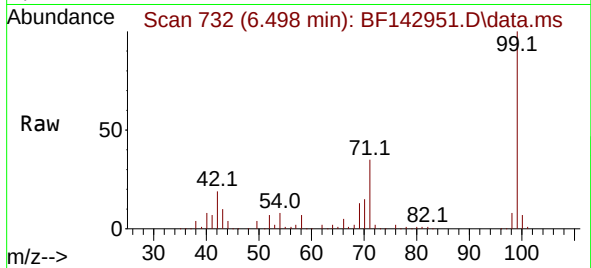




#7
Phenol-d6
Concen: 68.786 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

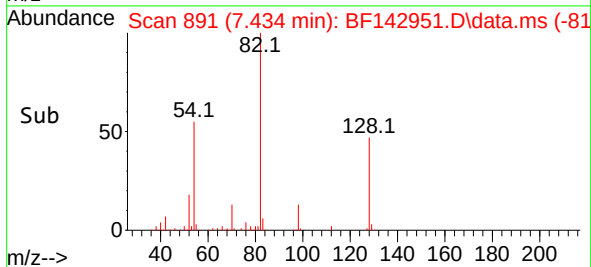
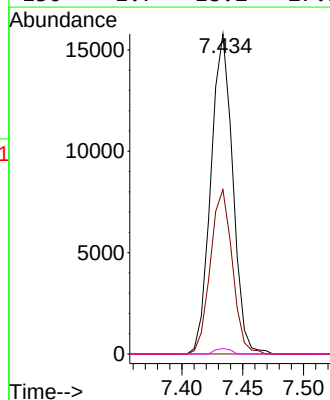
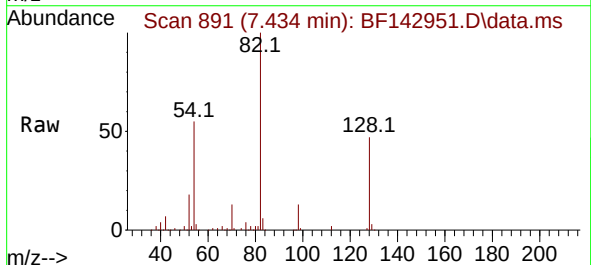
Instrument :
BNA_F
ClientSampleId :
COMP-1

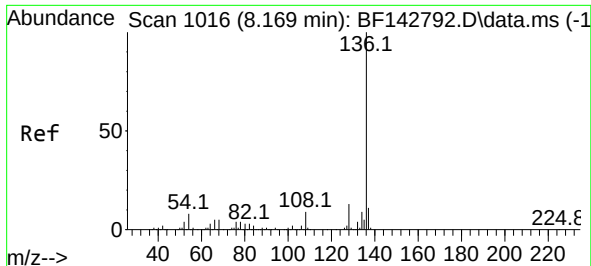
Tgt Ion: 99 Resp: 239022
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.5 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.743 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

Tgt Ion: 70 Resp: 19690
Ion Ratio Lower Upper
70 100
42 51.4 52.1 78.1#
101 0.0 8.2 12.2#
130 1.7 18.2 27.2#



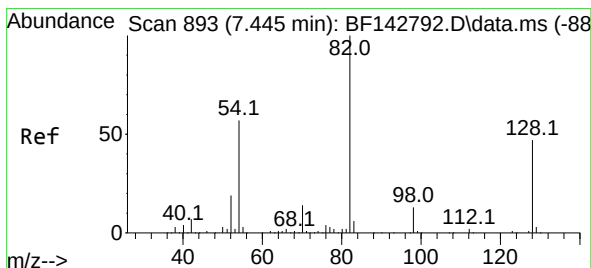
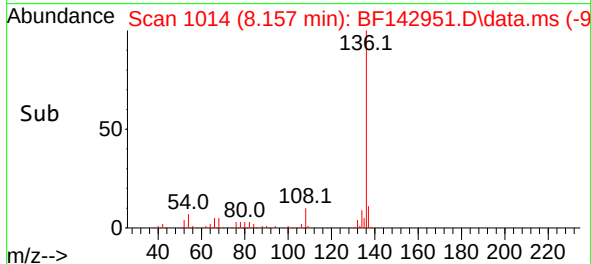
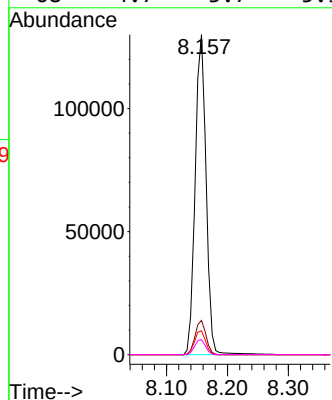
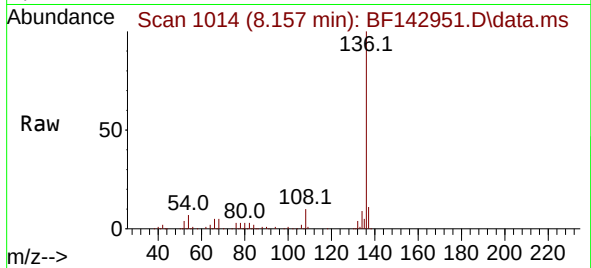


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:136 Resp: 162012

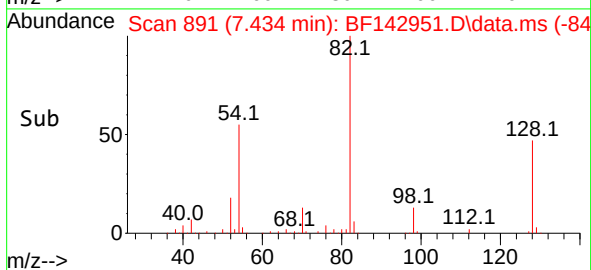
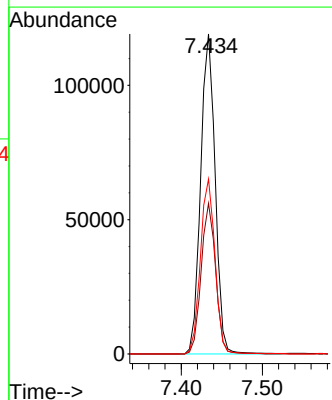
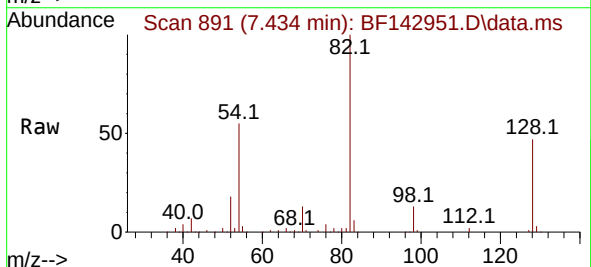
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.4	6.3	9.5
68	4.7	3.7	5.5

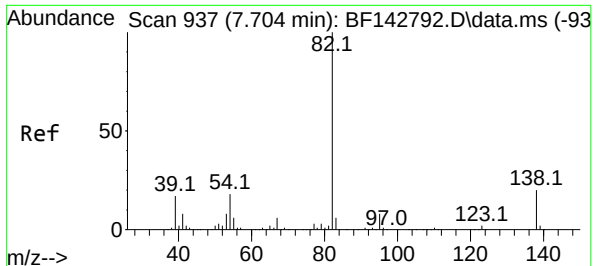


#23
Nitrobenzene-d5
Concen: 50.176 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

Tgt Ion: 82 Resp: 148204

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	54.6	45.7	68.5

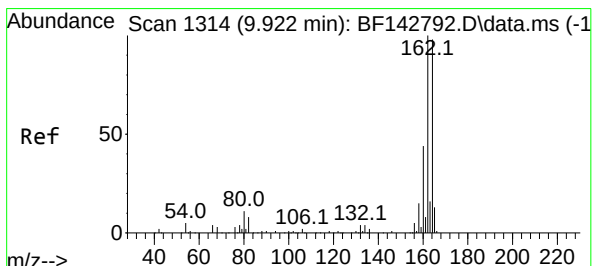
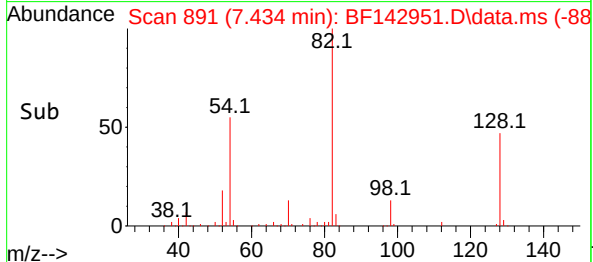
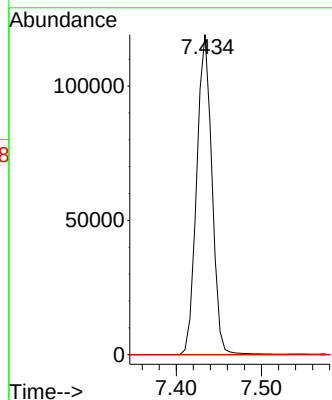
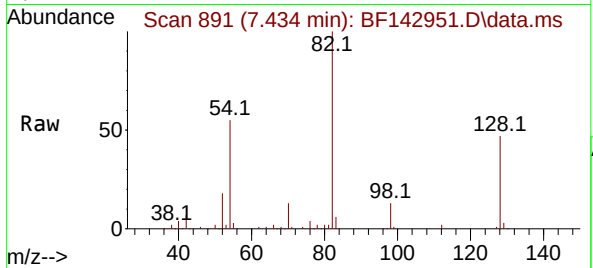




#25
Isophorone
Concen: 31.278 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

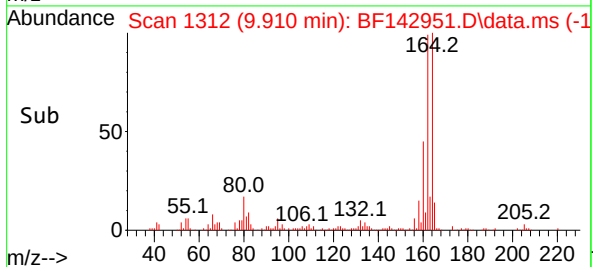
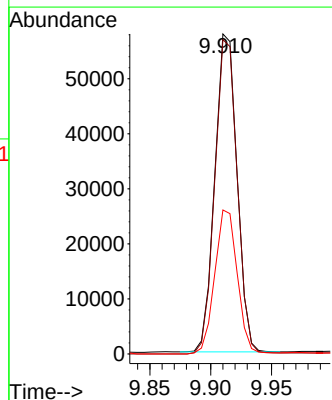
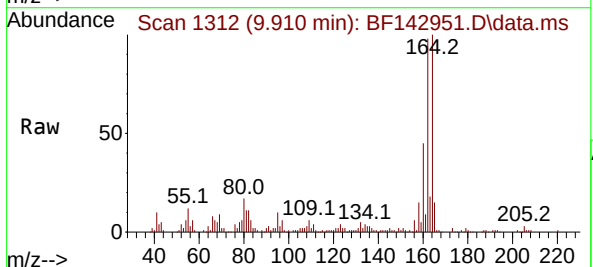
Instrument :
BNA_F
ClientSampleId :
COMP-1

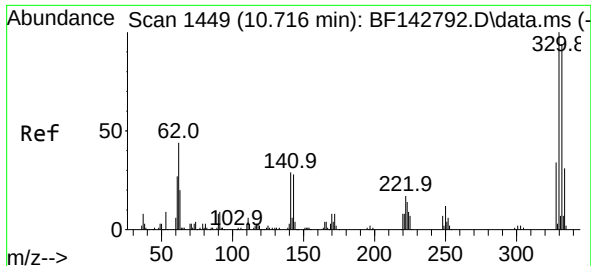
Tgt Ion: 82 Resp: 148202
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

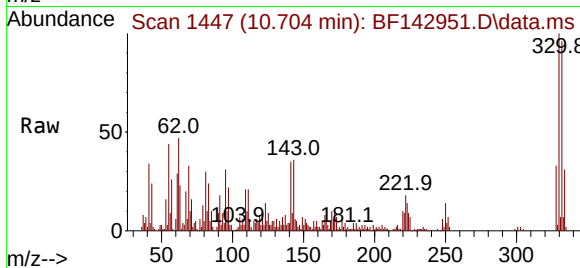
Tgt Ion:164 Resp: 73287
Ion Ratio Lower Upper
164 100
162 98.2 81.8 122.8
160 45.0 36.0 54.0



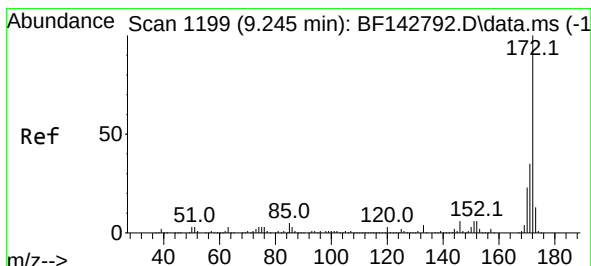
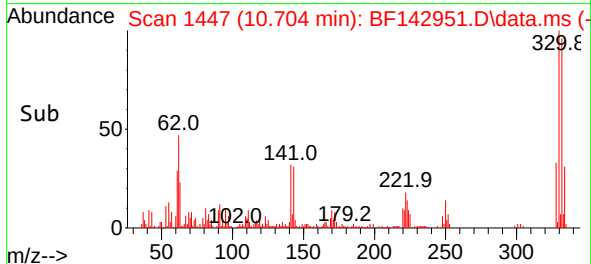
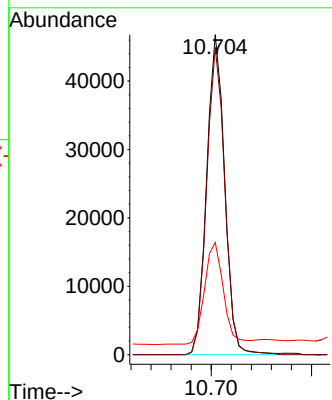


#42
2,4,6-Tribromophenol
Concen: 77.720 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

Instrument :
BNA_F
ClientSampleId :
COMP-1

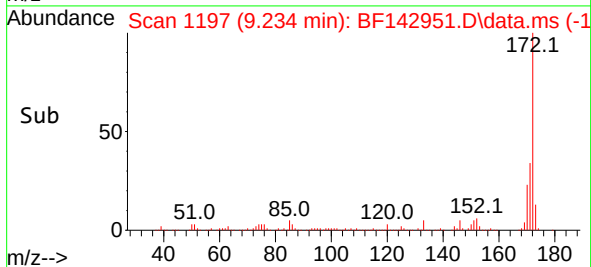
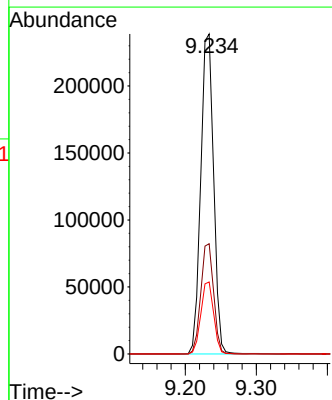
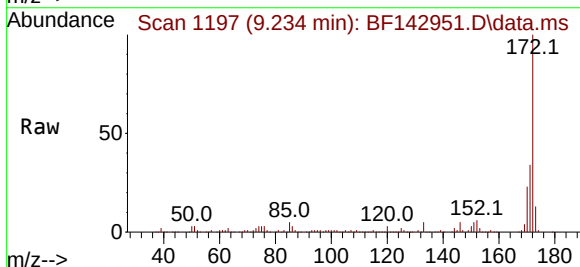


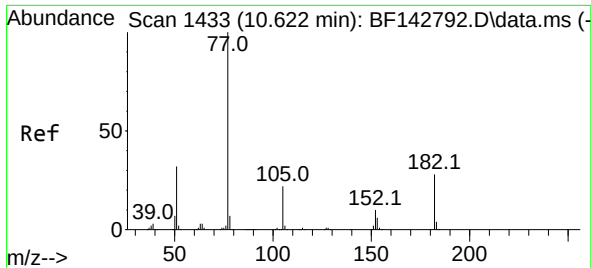
Tgt Ion:330 Resp: 58614
Ion Ratio Lower Upper
330 100
332 96.5 75.0 112.6
141 33.3 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 54.187 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

Tgt Ion:172 Resp: 302296
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.4
170 22.5 18.5 27.7

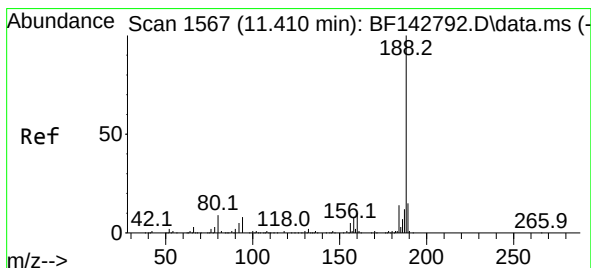
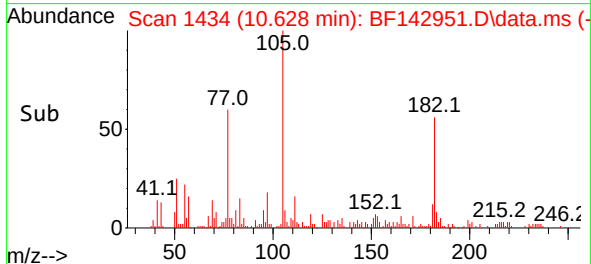
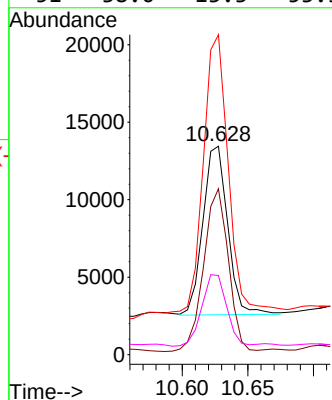
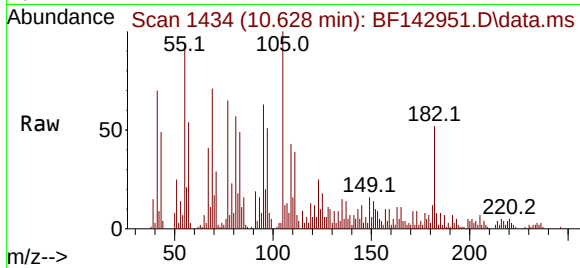




#63
Azobenzene
Concen: 3.451 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

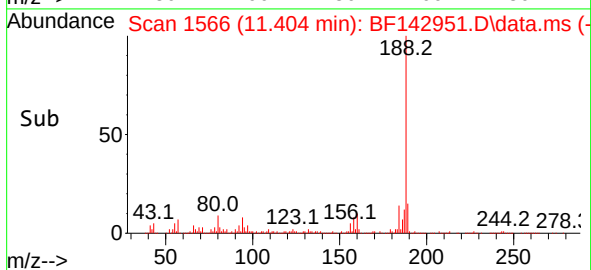
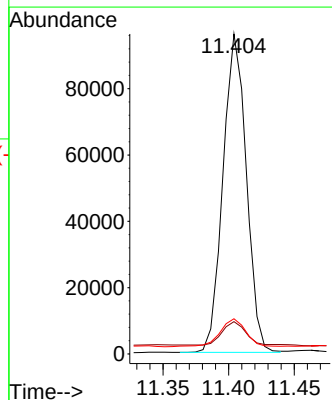
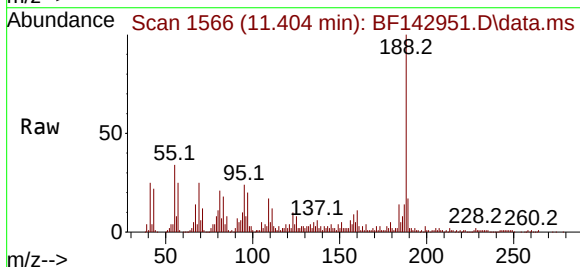
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ClientSampleId :
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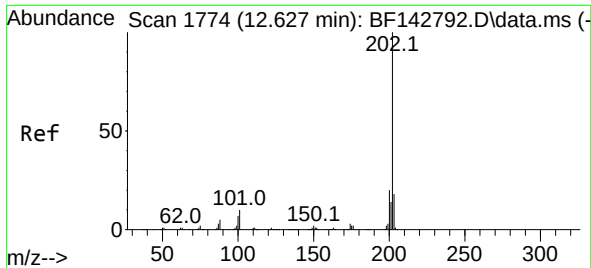
Tgt Ion: 77	Resp: 14345
Ion Ratio	Lower Upper
77 100	
182 79.6	7.7 47.7#
105 153.4	1.9 41.9#
51 38.0	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

Tgt Ion: 188	Resp: 118865
Ion Ratio	Lower Upper
188 100	
94 10.1	6.7 10.1#
80 11.0	6.9 10.3#

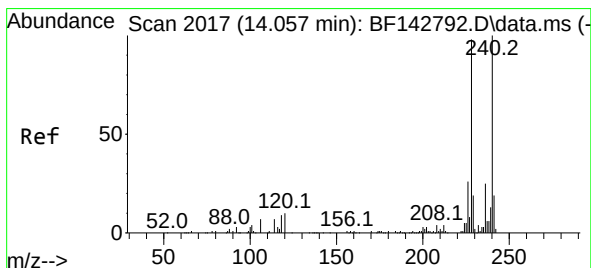
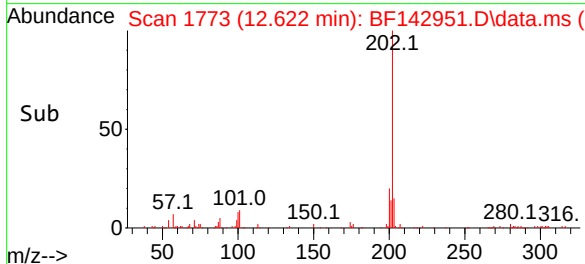
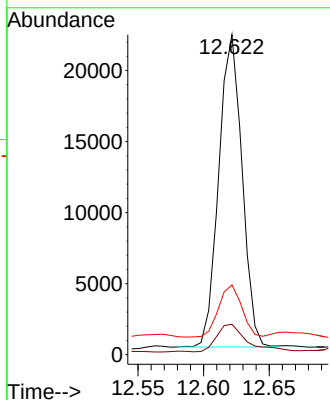
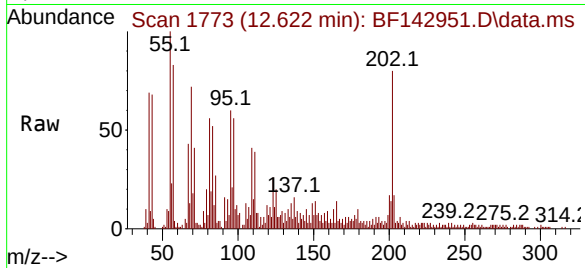




#75
Fluoranthene
Concen: 4.449 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

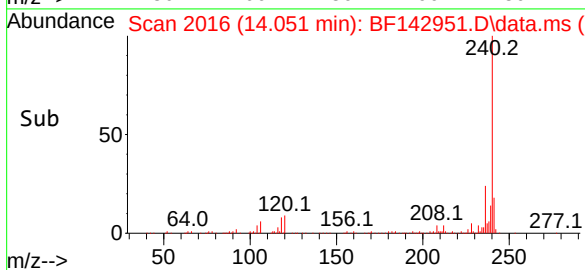
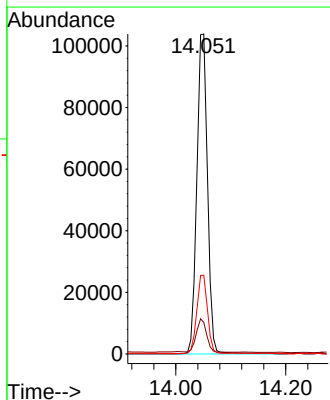
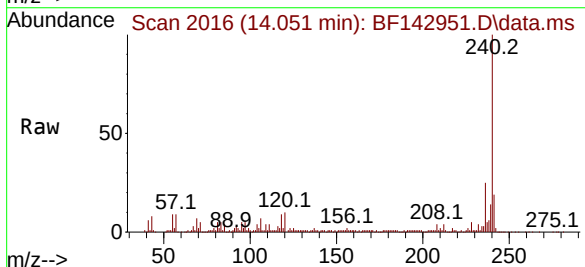
Instrument :
BNA_F
ClientSampleId :
COMP-1

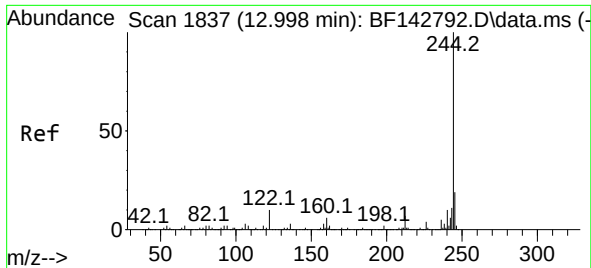
Tgt Ion:	202	Resp:	27188
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	29.7
203	21.8	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142951.D
Acq: 01 Jul 2025 15:56

Tgt Ion:	240	Resp:	140654
Ion Ratio	Lower	Upper	
240	100		
120	9.9	8.2	12.2
236	24.6	19.8	29.8

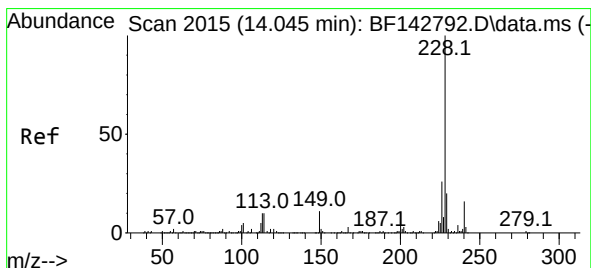
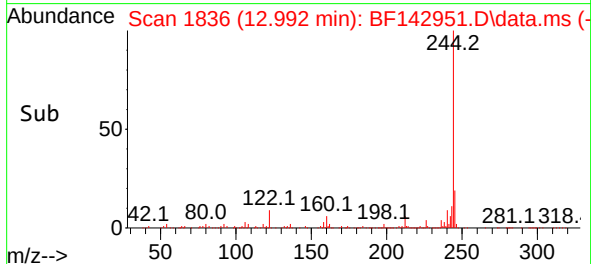
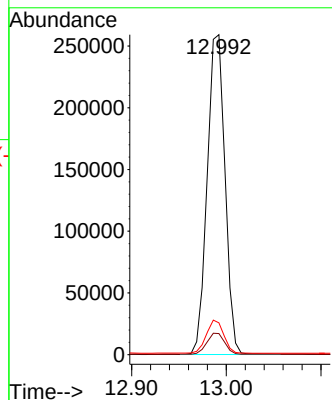
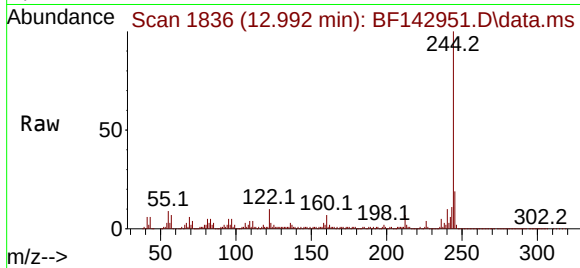




#79
 Terphenyl-d14
 Concen: 33.198 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142951.D
 Acq: 01 Jul 2025 15:56

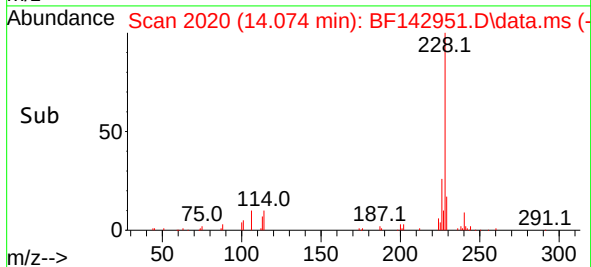
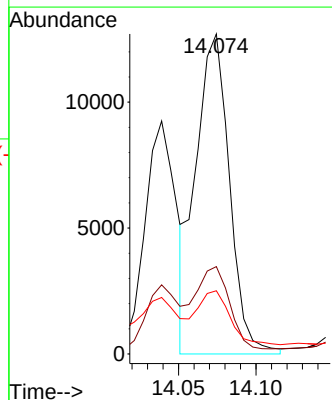
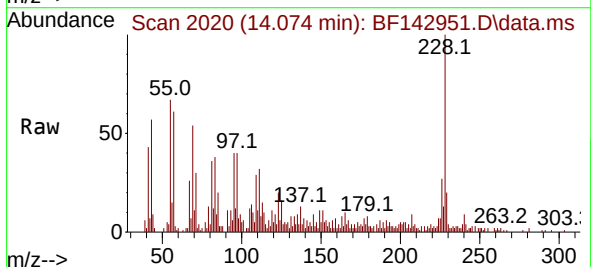
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

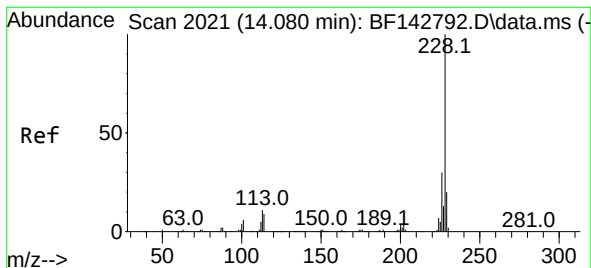
Tgt Ion:244 Resp: 337952
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.0 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 2.014 ng
 RT: 14.074 min Scan# 2020
 Delta R.T. 0.030 min
 Lab File: BF142951.D
 Acq: 01 Jul 2025 15:56

Tgt Ion:228 Resp: 19108
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.2 31.8
 229 19.8 15.6 23.4





#83

Chrysene

Concen: 2.257 ng

RT: 14.074 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

Instrument :

BNA_F

ClientSampleId :

COMP-1

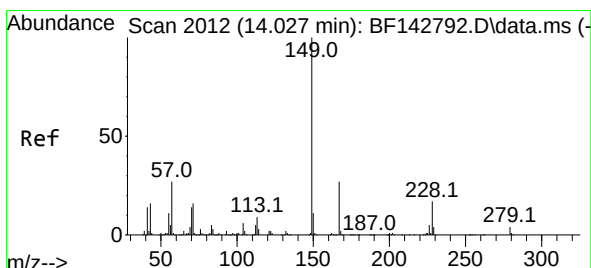
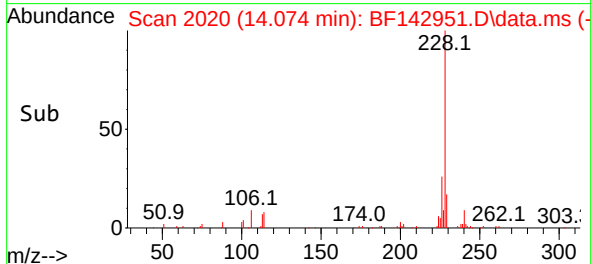
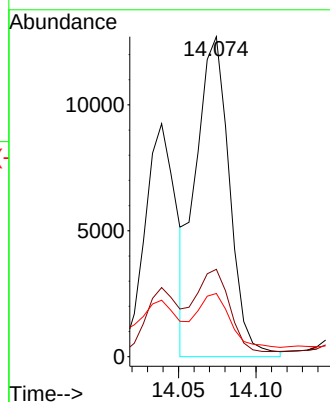
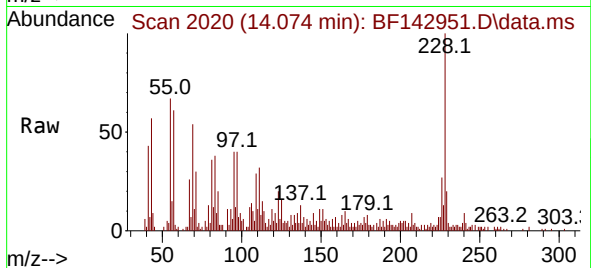
Tgt Ion:228 Resp: 19108

Ion Ratio Lower Upper

228 100

226 27.3 23.7 35.5

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.079 ng

RT: 14.016 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

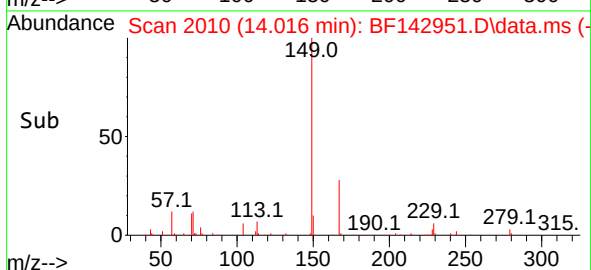
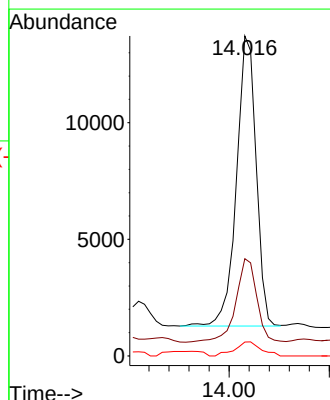
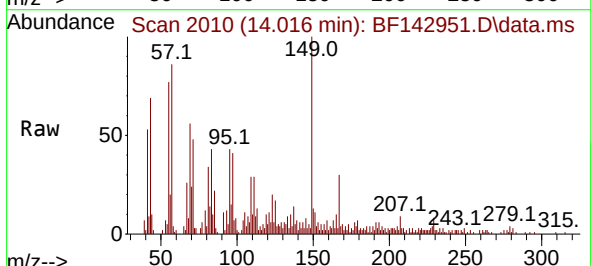
Tgt Ion:149 Resp: 16943

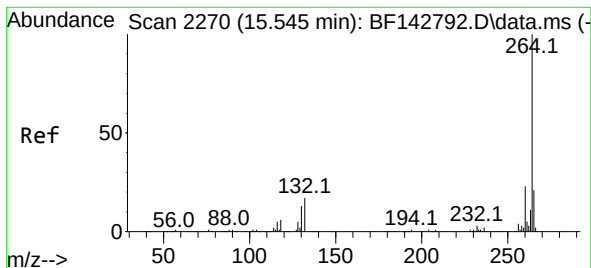
Ion Ratio Lower Upper

149 100

167 30.4 21.4 32.0

279 4.4 3.0 4.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

Instrument :

BNA_F

ClientSampleId :

COMP-1

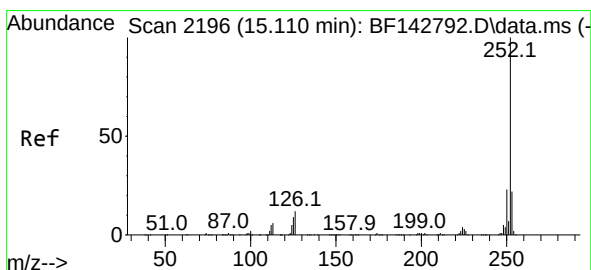
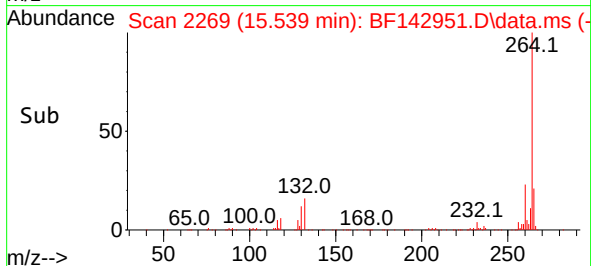
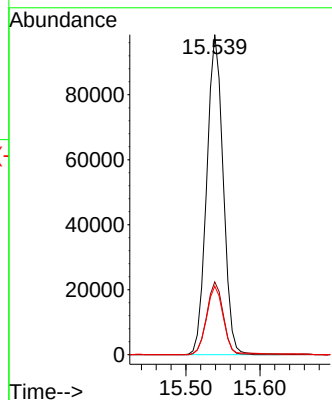
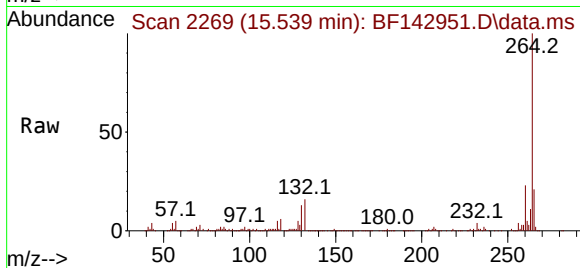
Tgt Ion:264 Resp: 152047

Ion Ratio Lower Upper

264 100

260 22.8 18.1 27.1

265 21.4 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 4.009 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142951.D

Acq: 01 Jul 2025 15:56

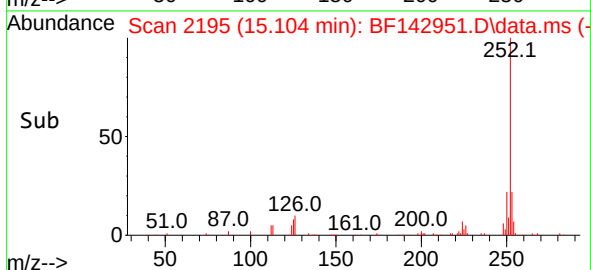
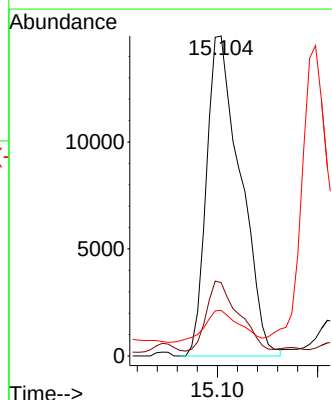
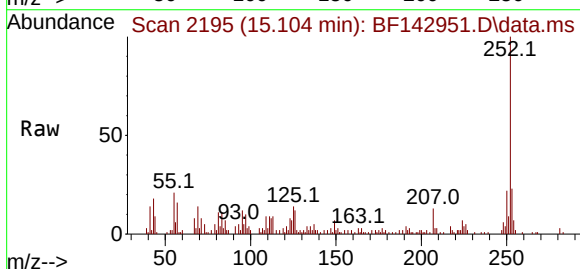
Tgt Ion:252 Resp: 35276

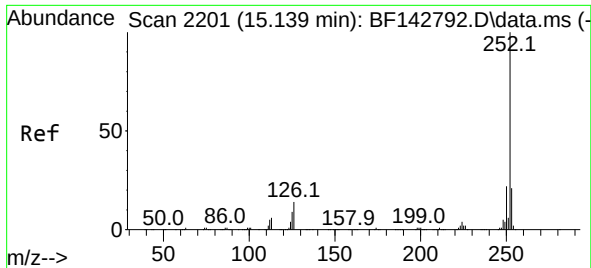
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 14.2 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 4.286 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF142951.D

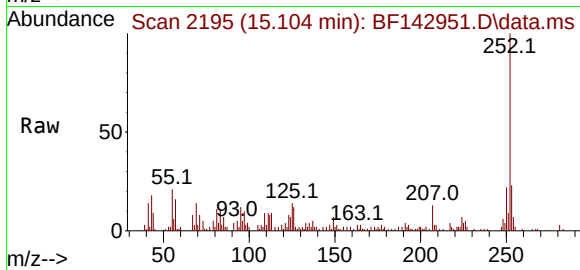
Acq: 01 Jul 2025 15:56

Instrument :

BNA_F

ClientSampleId :

COMP-1



Tgt Ion:252 Resp: 35276

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 14.2 7.4 11.2#

