

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142390.D
 Acq On : 15 May 2025 13:24
 Operator : RC/JU
 Sample : Q1983-07RX
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-02

Quant Time: May 15 13:49:22 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)

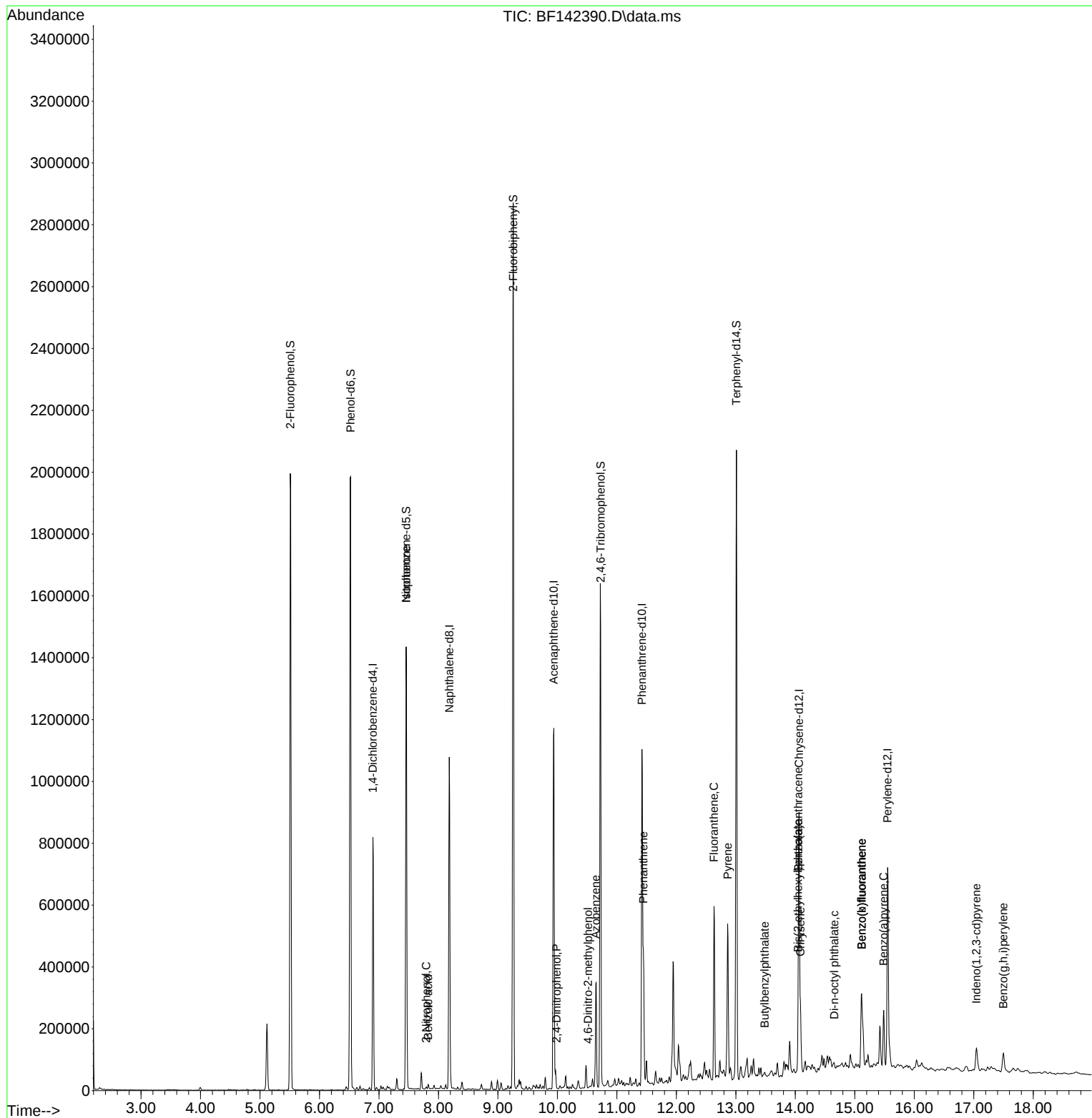
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	176384	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	676707	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	362164	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	564218	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	336681	20.000	ng	0.00
86) Perylene-d12	15.551	264	383863	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	790560	76.512	ng	0.00
7) Phenol-d6	6.522	99	970735	76.386	ng	0.00
23) Nitrobenzene-d5	7.457	82	598674	53.955	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	292268	83.586	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1283218	50.522	ng	0.00
79) Terphenyl-d14	13.010	244	977953	42.992	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.457	82	593536	28.248	ng	# 62
26) 2-Nitrophenol	7.793	139	1785	4.411	ng	97
32) Benzoic acid	7.828	122	3822	6.704	ng	# 14
54) 2,4-Dinitrophenol	9.986	184	270	7.769	ng	# 72
63) Azobenzene	10.645	77	87520	3.944	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.516	198	160	7.237	ng	# 15
71) Phenanthrene	11.445	178	222042	7.508	ng	99
75) Fluoranthene	12.633	202	321929	10.889	ng	100
78) Pyrene	12.863	202	289306	9.654	ng	98
80) Butylbenzylphthalate	13.486	149	1992	3.870	ng	# 90
81) Benzo(a)anthracene	14.051	228	123334	5.657	ng	97
83) Chrysene	14.086	228	115348	5.683	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	5500	4.677	ng	96
85) Di-n-octyl phthalate	14.657	149	3708	7.991	ng	# 80
87) Indeno(1,2,3-cd)pyrene	17.045	276	56862	2.129	ng	98
88) Benzo(b)fluoranthene	15.116	252	217377	9.350	ng	100
89) Benzo(k)fluoranthene	15.116	252	217377	10.217	ng	99
90) Benzo(a)pyrene	15.486	252	115311	5.535	ng	99
92) Benzo(g,h,i)perylene	17.498	276	52603	2.402	ng	97

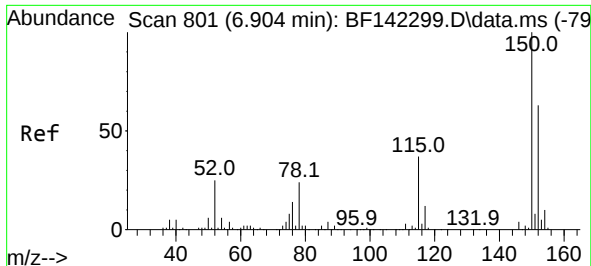
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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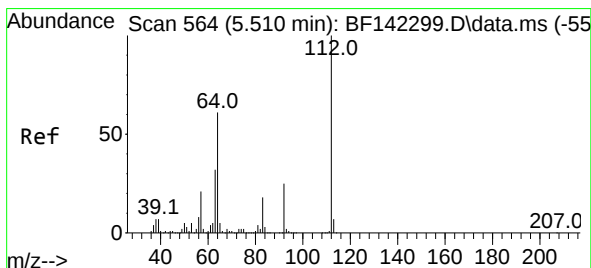
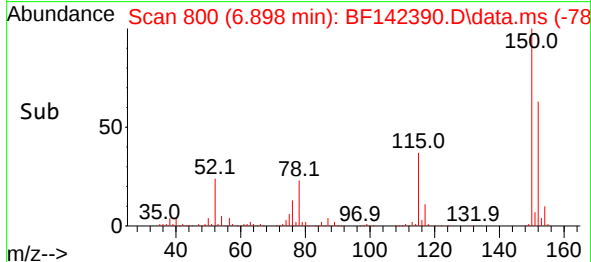
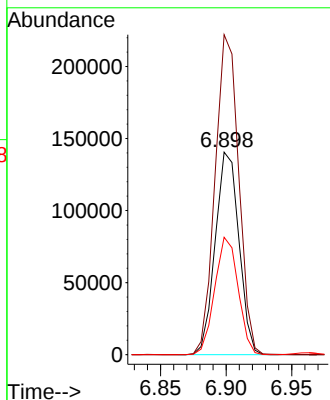
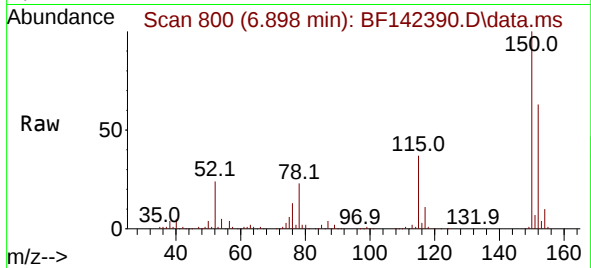




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

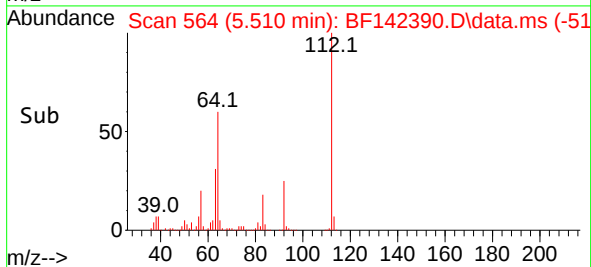
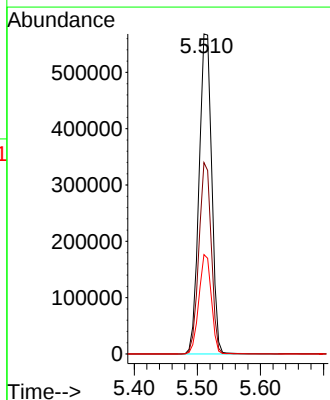
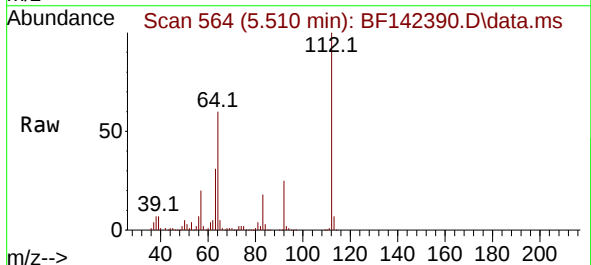
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-02

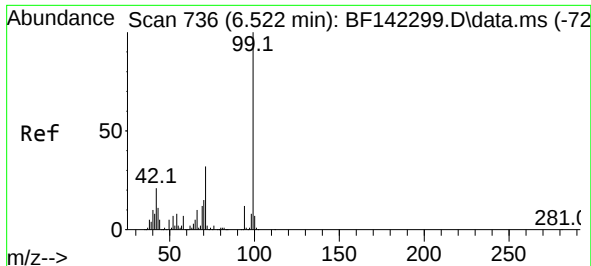
Tgt Ion:152 Resp: 176384
Ion Ratio Lower Upper
152 100
150 158.0 126.6 190.0
115 58.0 47.3 70.9



#5
2-Fluorophenol
Concen: 76.512 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

Tgt Ion:112 Resp: 790560
Ion Ratio Lower Upper
112 100
64 59.8 48.9 73.3
63 31.1 25.6 38.4

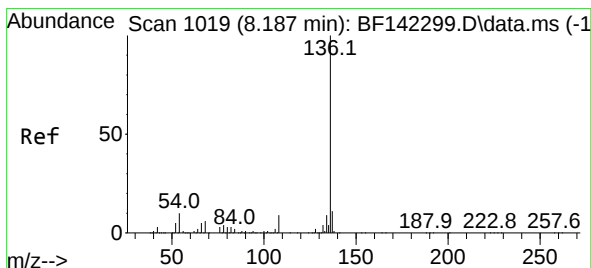
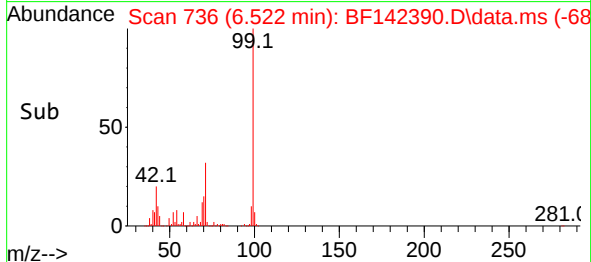
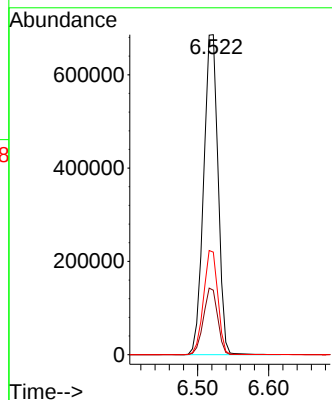
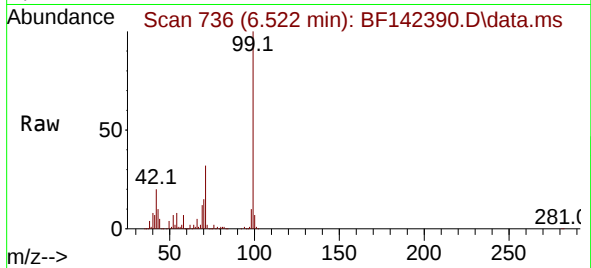




#7
Phenol-d6
Concen: 76.386 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

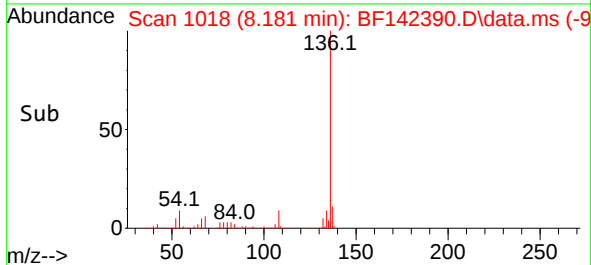
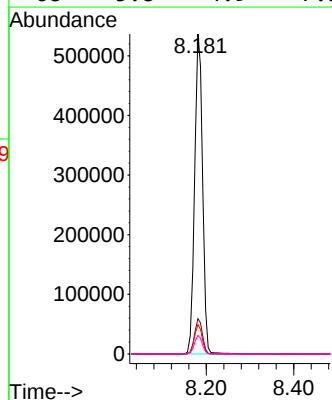
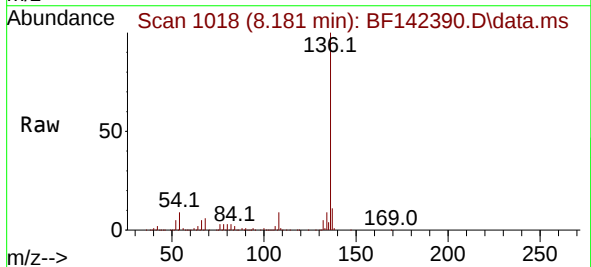
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-02

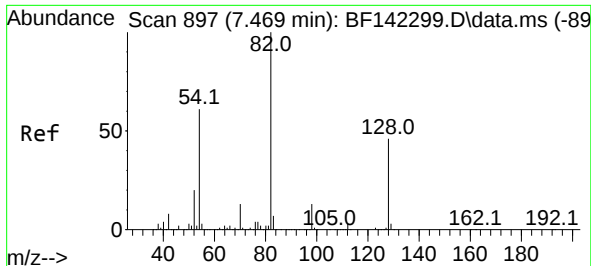
Tgt Ion: 99 Resp: 970735
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.4
71 32.1 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

Tgt Ion:136 Resp: 676707
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.2 7.7 11.5
68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 53.955 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-02

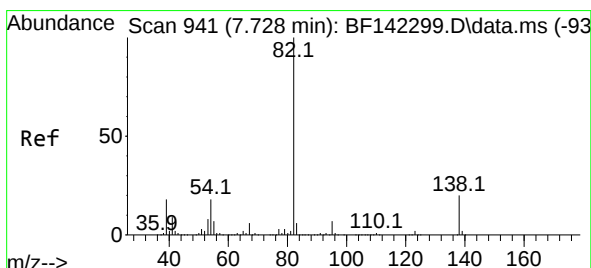
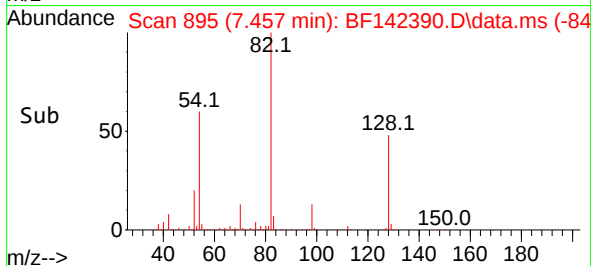
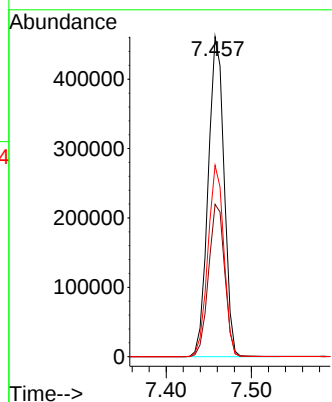
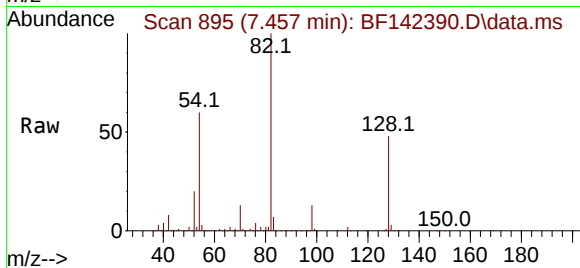
Tgt Ion: 82 Resp: 598674

Ion Ratio Lower Upper

82 100

128 47.6 37.0 55.6

54 59.8 48.6 73.0



#25

Isophorone

Concen: 28.248 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.271 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

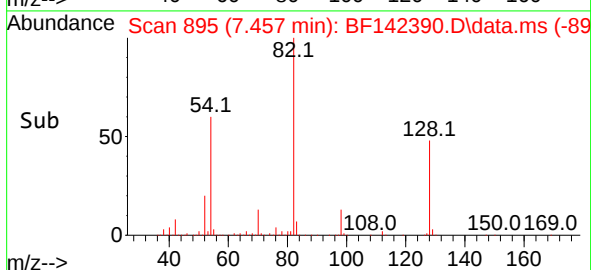
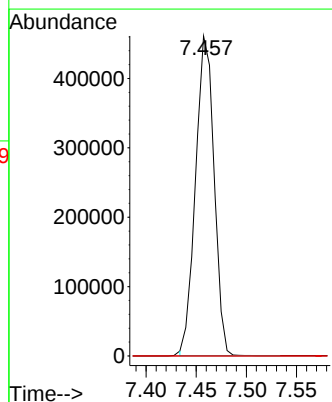
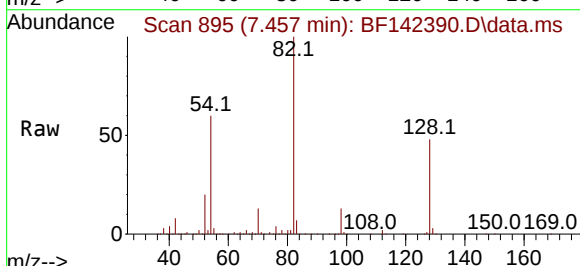
Tgt Ion: 82 Resp: 593536

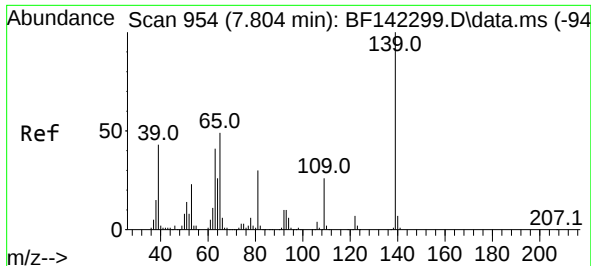
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 16.1 24.1#

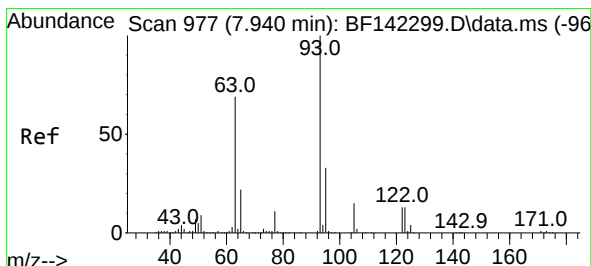
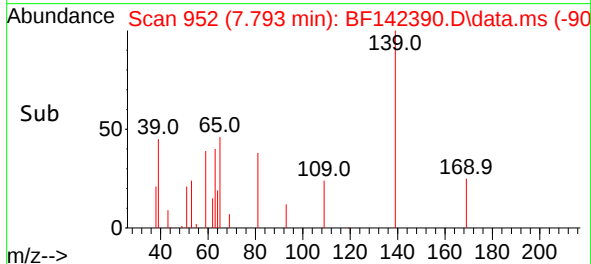
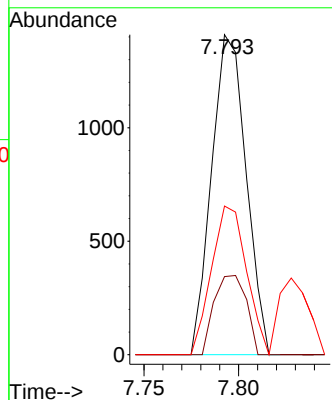
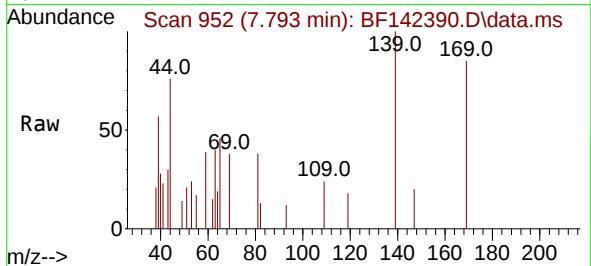




#26
2-Nitrophenol
Concen: 4.411 ng
RT: 7.793 min Scan# 91
Delta R.T. -0.011 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

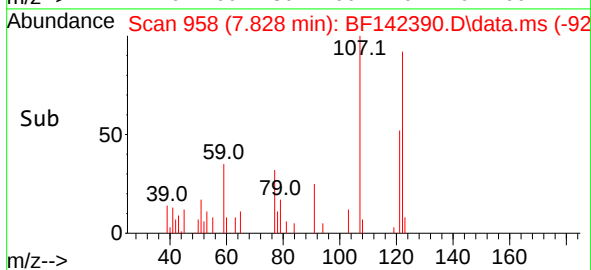
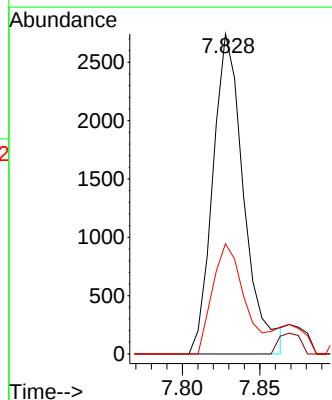
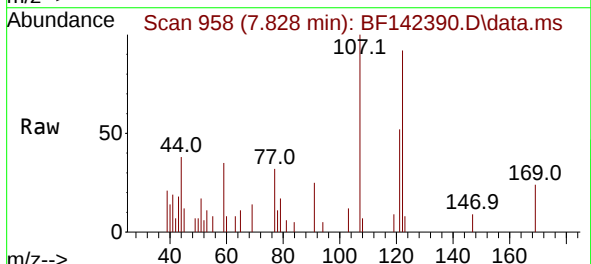
Instrument :
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OR-636-COMP-02

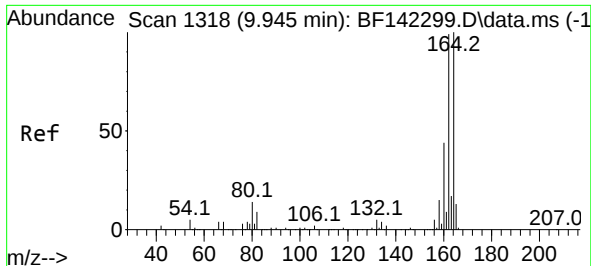
Tgt Ion:139 Resp: 1785
Ion Ratio Lower Upper
139 100
109 24.4 20.8 31.2
65 46.5 38.9 58.3



#32
Benzoic acid
Concen: 6.704 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.112 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

Tgt Ion:122 Resp: 3822
Ion Ratio Lower Upper
122 100
105 0.0 97.9 137.9#
77 34.5 67.7 107.7#

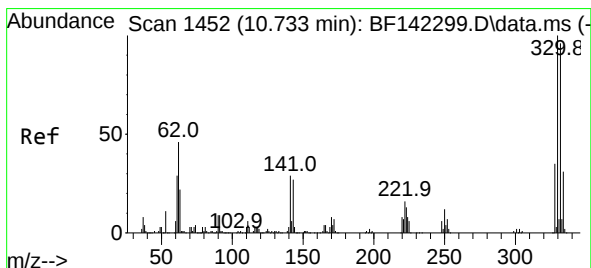
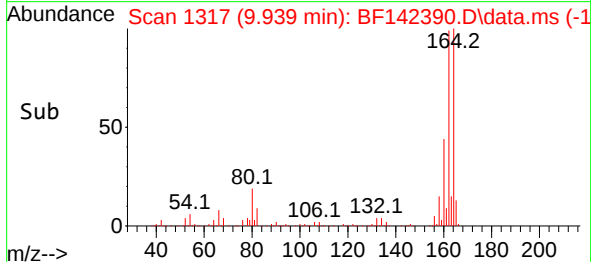
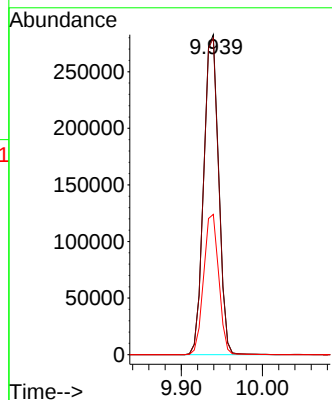
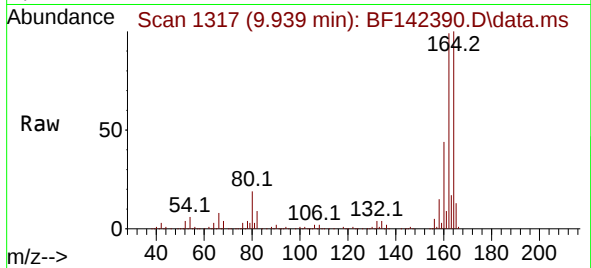




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

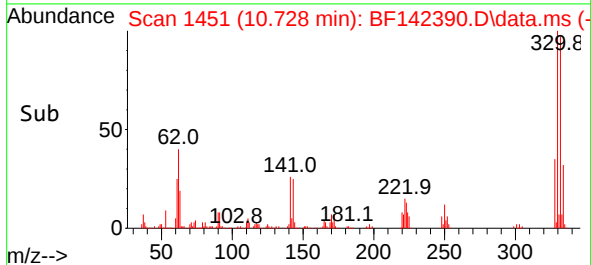
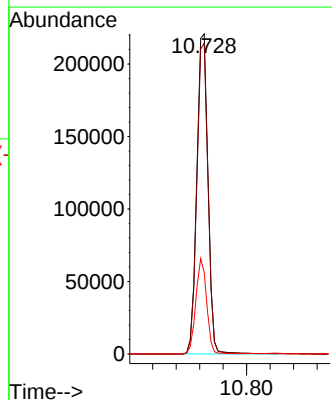
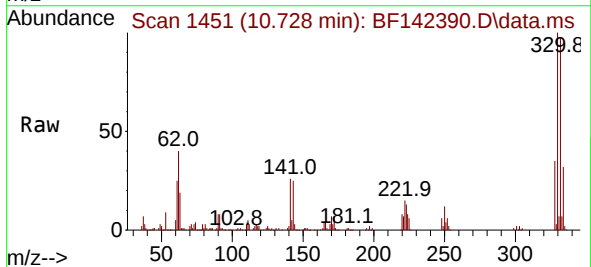
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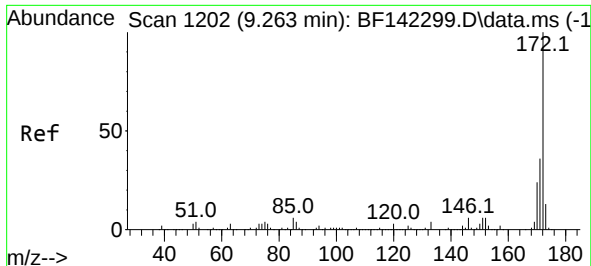
Tgt Ion:164 Resp: 362164
Ion Ratio Lower Upper
164 100
162 99.0 79.2 118.8
160 43.8 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 83.586 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

Tgt Ion:330 Resp: 292268
Ion Ratio Lower Upper
330 100
332 96.6 76.8 115.2
141 28.7 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 50.522 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-02

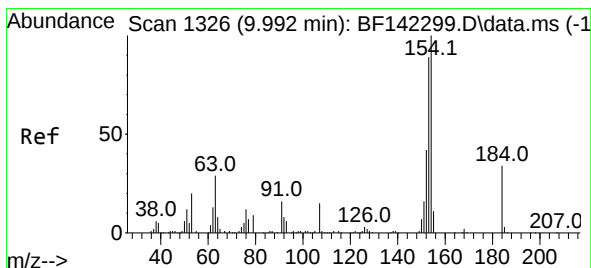
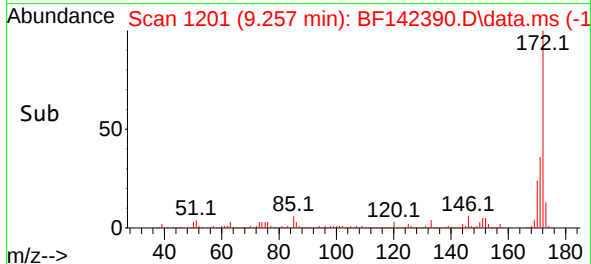
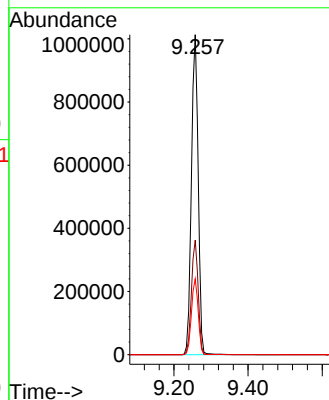
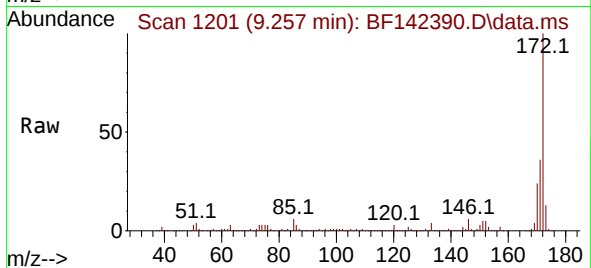
Tgt Ion:172 Resp: 1283218

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.7 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 7.769 ng

RT: 9.986 min Scan# 1325

Delta R.T. -0.006 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

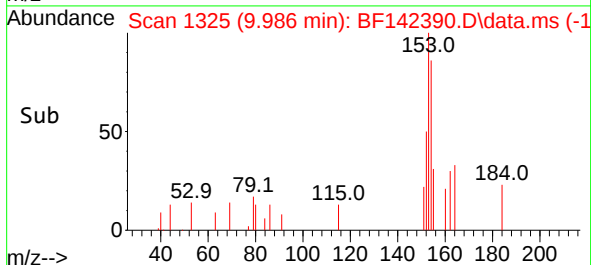
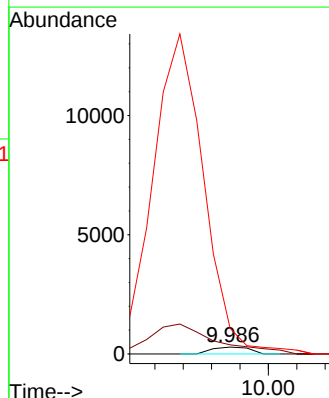
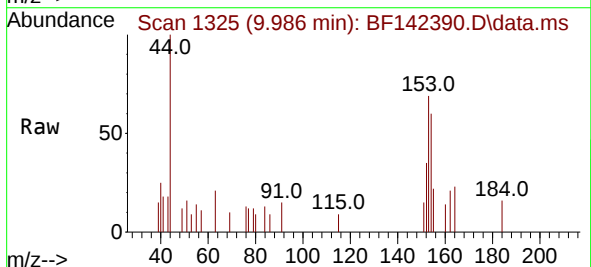
Tgt Ion:184 Resp: 270

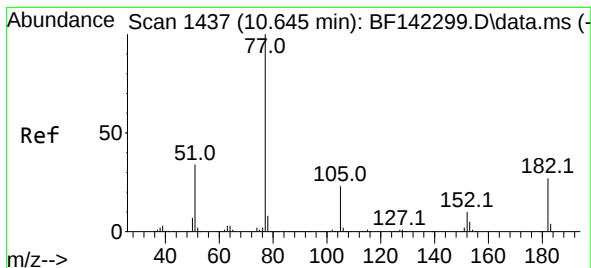
Ion Ratio Lower Upper

184 100

63 131.7 70.6 105.8

154 369.0 257.2 385.8





#63

Azobenzene

Concen: 3.944 ng

RT: 10.645 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-02

Tgt Ion: 77 Resp: 87520

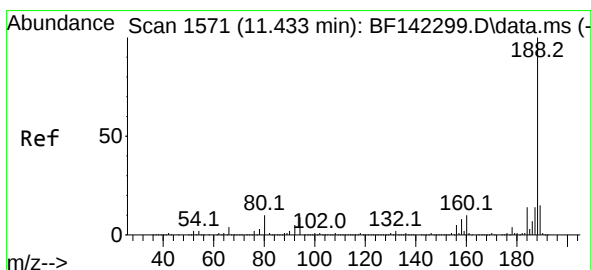
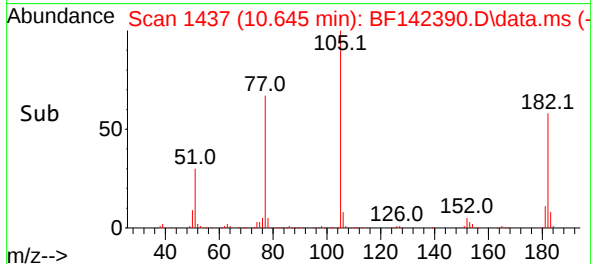
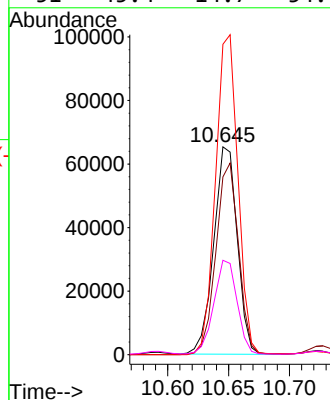
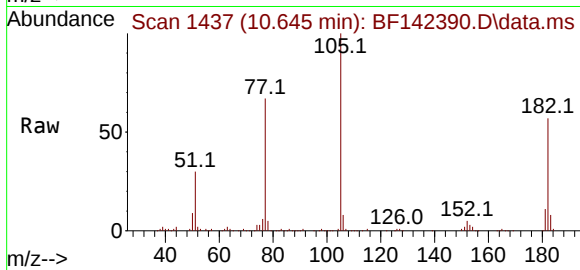
Ion Ratio Lower Upper

77 100

182 85.5 6.9 46.9#

105 149.3 2.7 42.7#

51 45.4 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

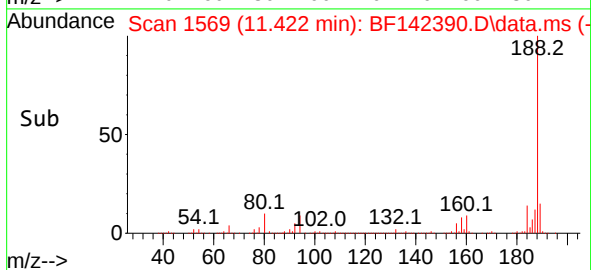
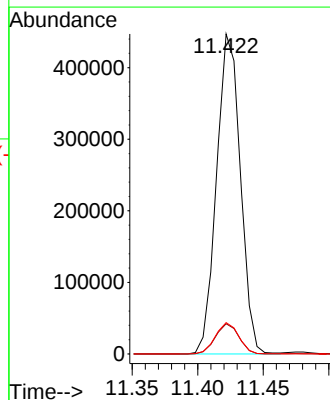
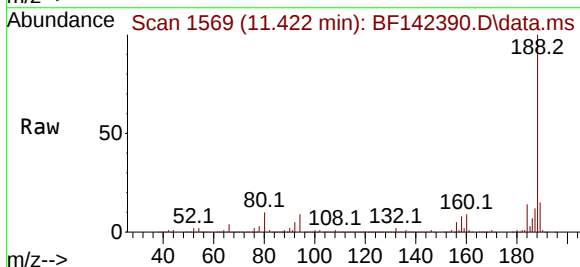
Tgt Ion:188 Resp: 564218

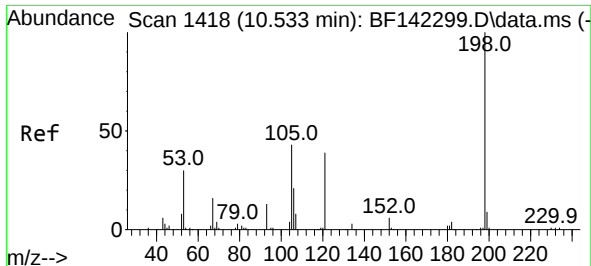
Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

80 9.8 7.9 11.9

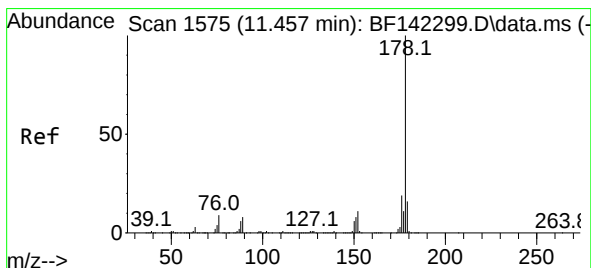
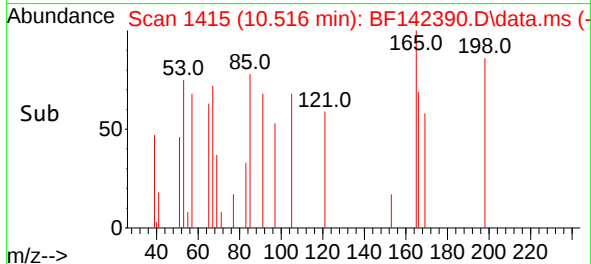
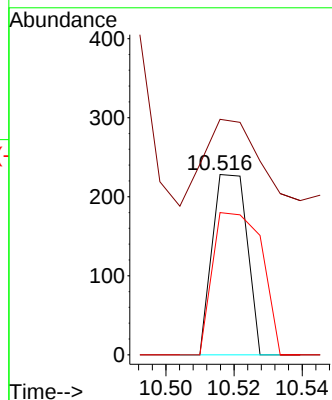
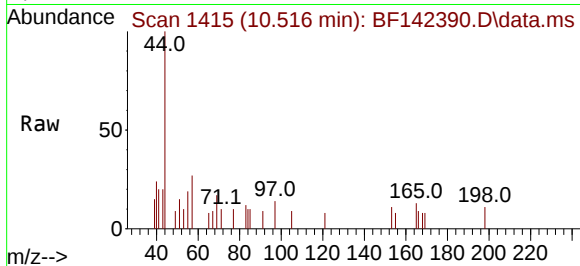




#65
4,6-Dinitro-2-methylphenol
Concen: 7.237 ng
RT: 10.516 min Scan# 1418
Delta R.T. -0.017 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

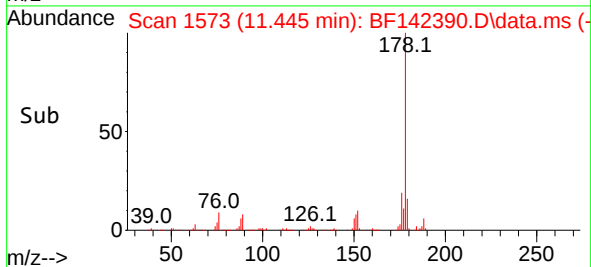
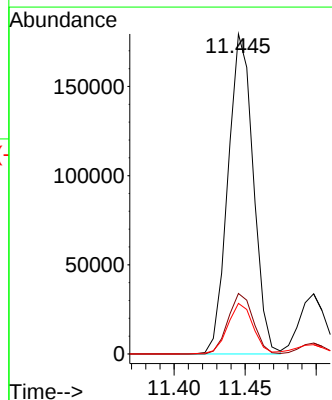
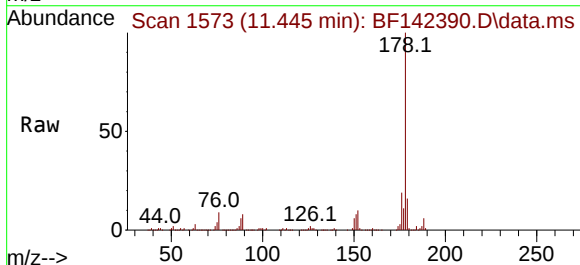
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-02

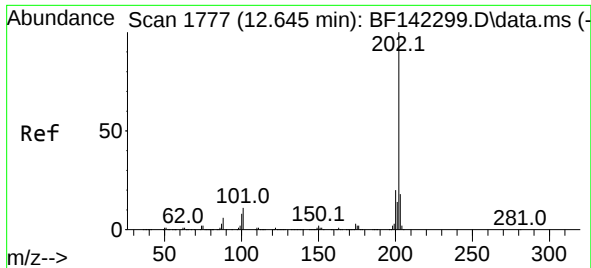
Tgt Ion:198 Resp: 160
Ion Ratio Lower Upper
198 100
51 130.7 32.9 72.9#
105 78.9 23.7 63.7#



#71
Phenanthrene
Concen: 7.508 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

Tgt Ion:178 Resp: 222042
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.8 12.6 18.8

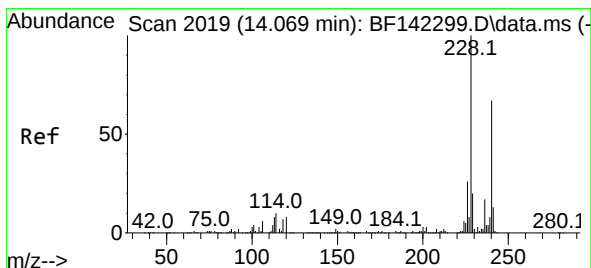
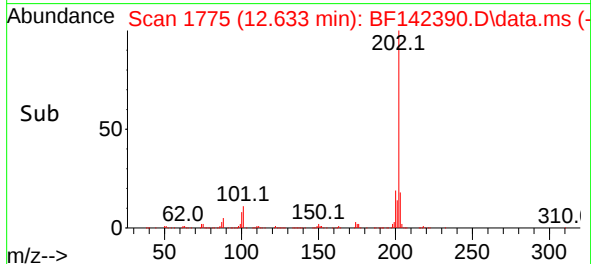
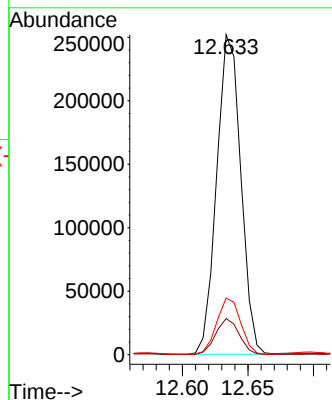
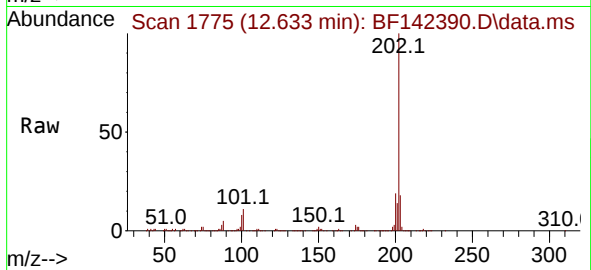




#75
Fluoranthene
Concen: 10.889 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

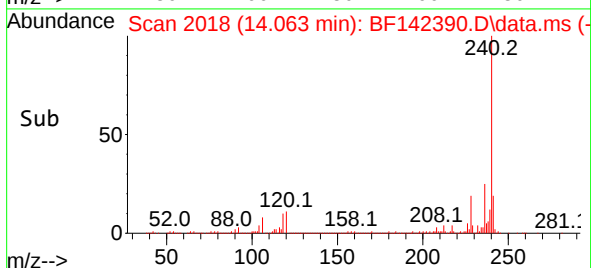
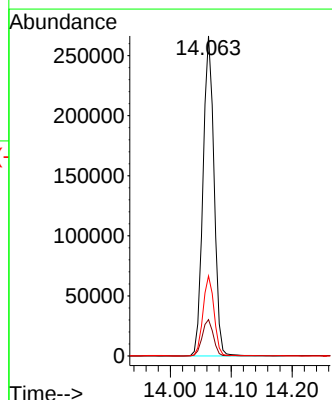
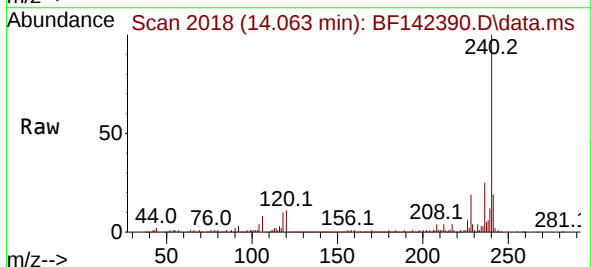
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-02

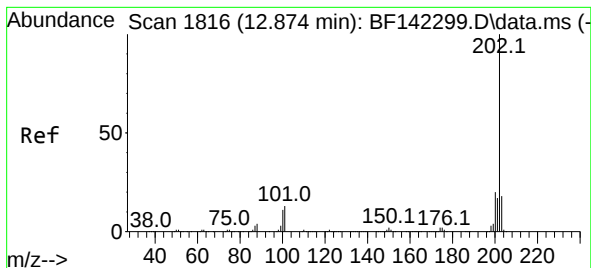
Tgt Ion:202 Resp: 321929
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.4
203 17.7 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

Tgt Ion:240 Resp: 336681
Ion Ratio Lower Upper
240 100
120 11.3 9.7 14.5
236 25.0 20.0 30.0





#78

Pyrene

Concen: 9.654 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-02

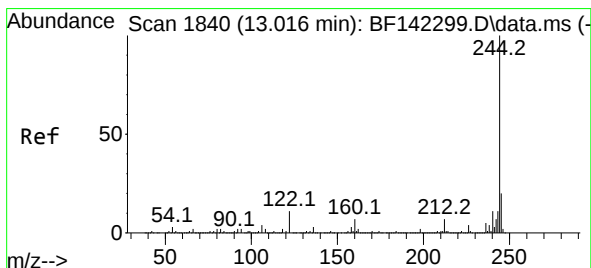
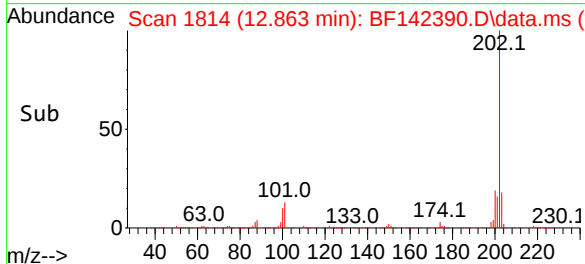
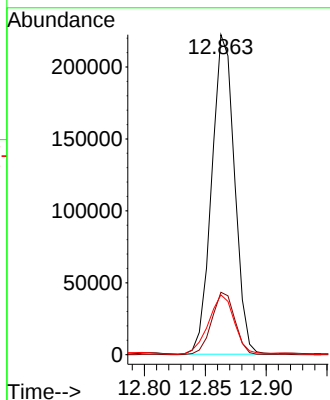
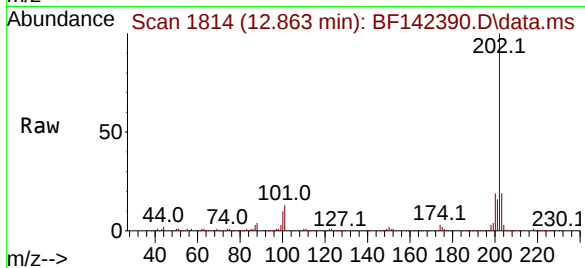
Tgt Ion:202 Resp: 289306

Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.4

203 18.7 14.3 21.5



#79

Terphenyl-d14

Concen: 42.992 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

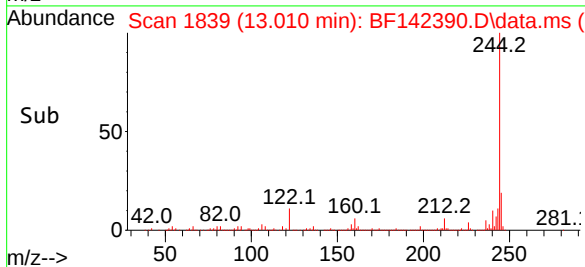
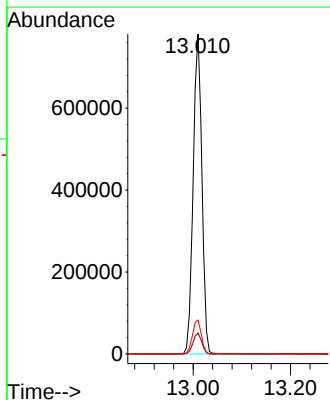
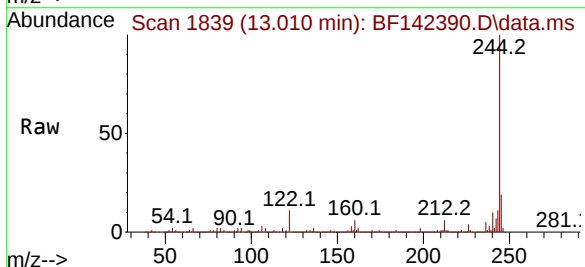
Tgt Ion:244 Resp: 977953

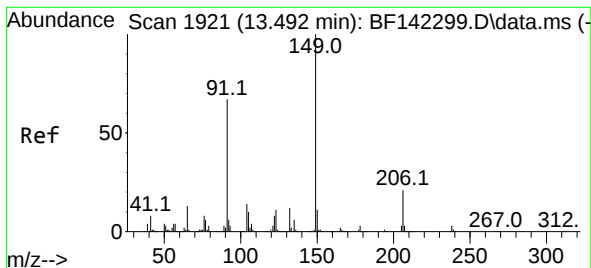
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 10.6 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.870 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

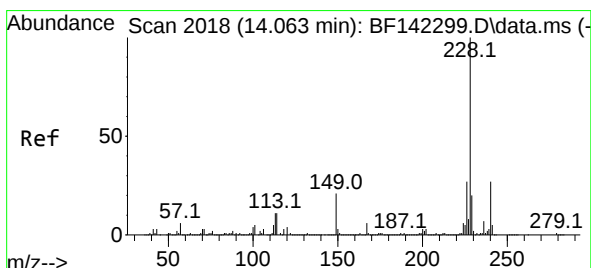
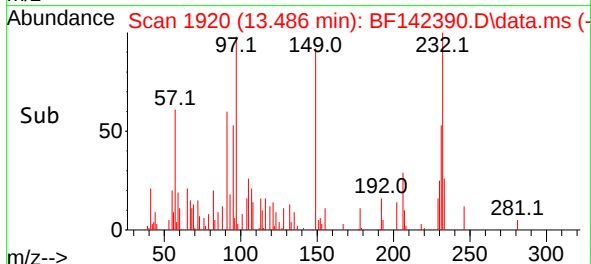
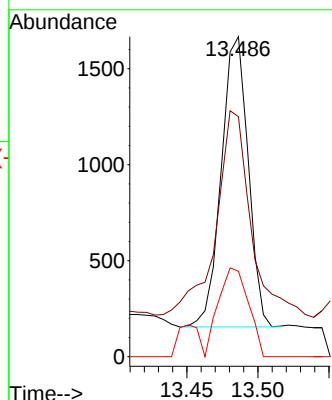
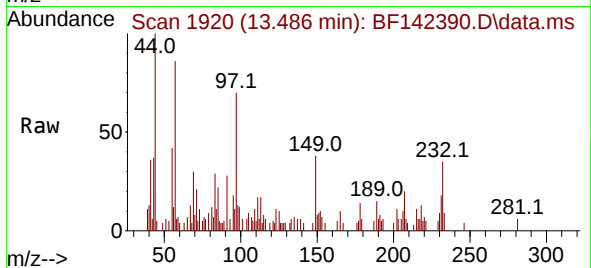
Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-02

Tgt Ion:149	Resp:	1992
Ion Ratio	Lower	Upper
149	100	
91	75.0	53.8 80.6
206	26.7	16.6 24.8



#81

Benzo(a)anthracene

Concen: 5.657 ng

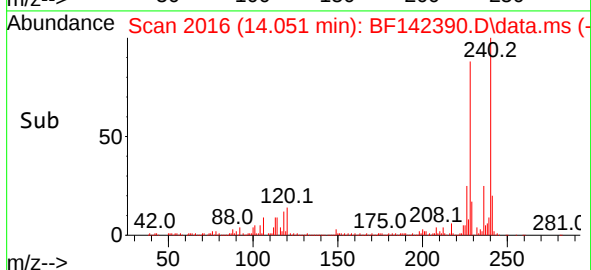
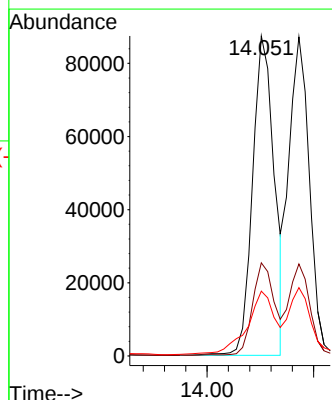
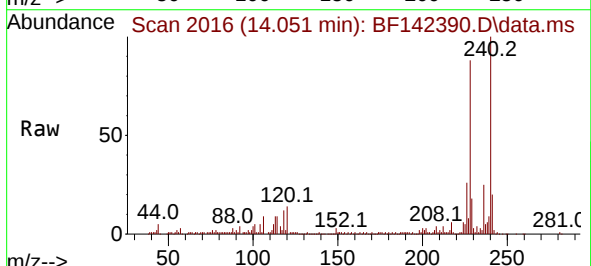
RT: 14.051 min Scan# 2016

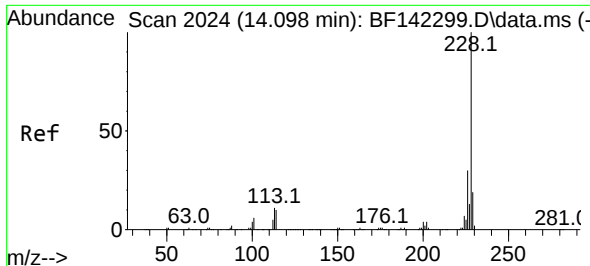
Delta R.T. -0.012 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

Tgt Ion:228	Resp:	123334
Ion Ratio	Lower	Upper
228	100	
226	29.1	21.5 32.3
229	20.3	15.9 23.9

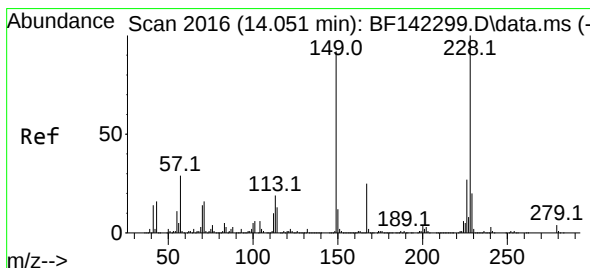
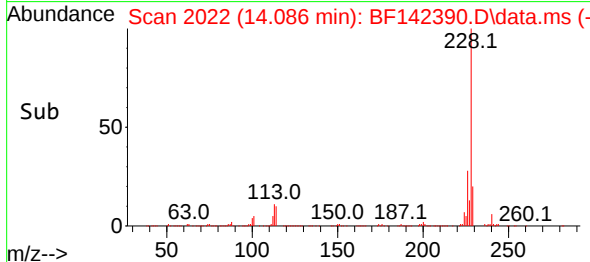
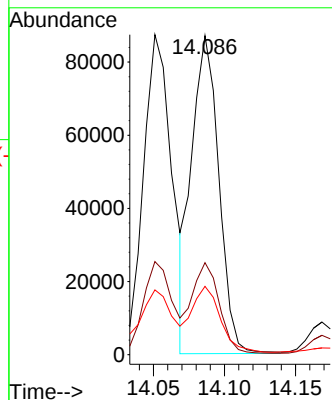
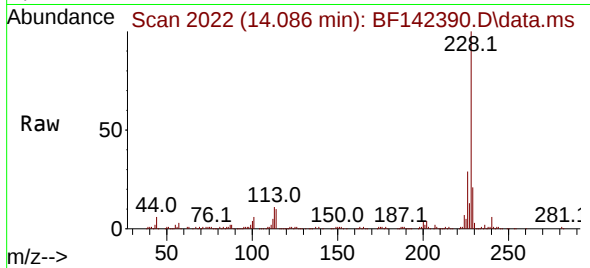




#83
Chrysene
Concen: 5.683 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

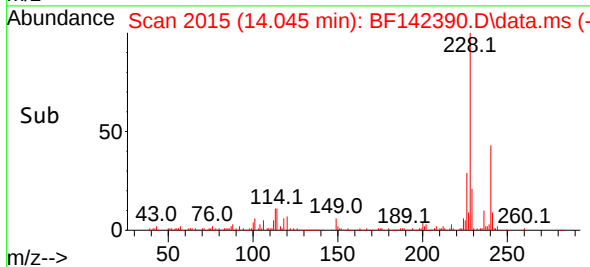
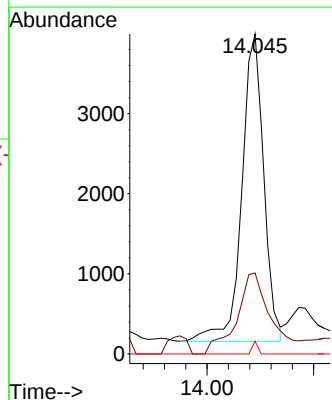
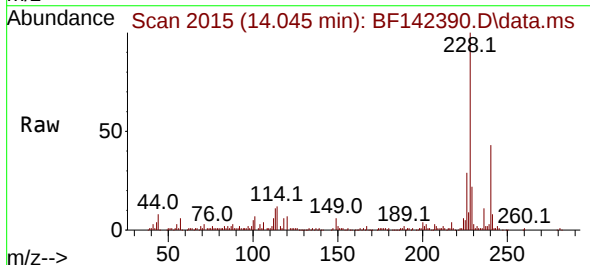
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-02

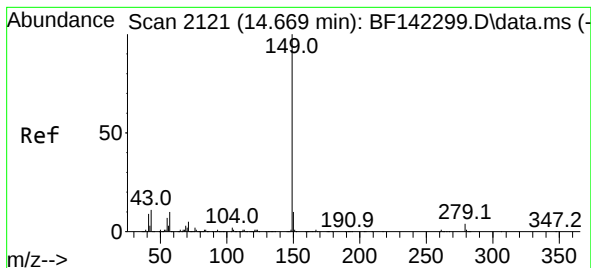
Tgt Ion:228 Resp: 115348
Ion Ratio Lower Upper
228 100
226 28.8 23.9 35.9
229 21.4 15.4 23.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.677 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

Tgt Ion:149 Resp: 5500
Ion Ratio Lower Upper
149 100
167 25.3 22.0 33.0
279 4.0 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 7.991 ng

RT: 14.657 min Scan# 2119

Delta R.T. -0.012 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-02

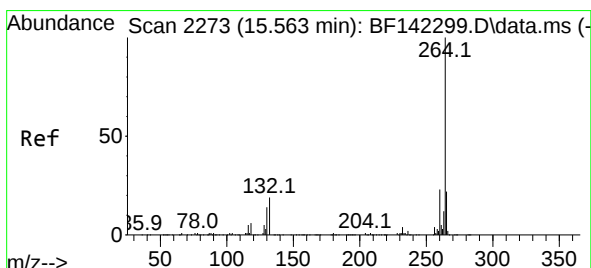
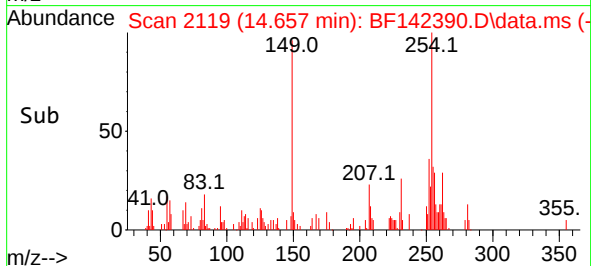
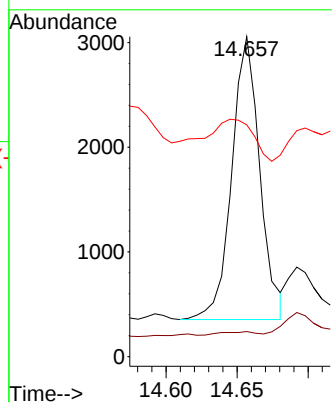
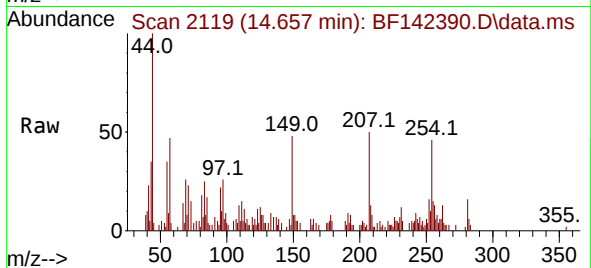
Tgt Ion:149 Resp: 3708

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 19.8 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

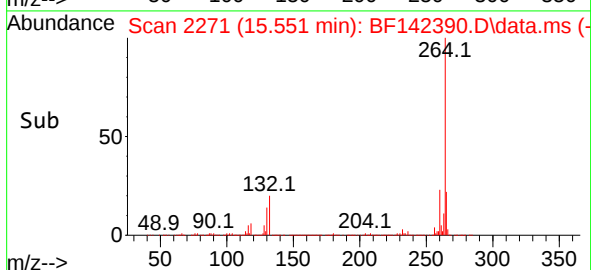
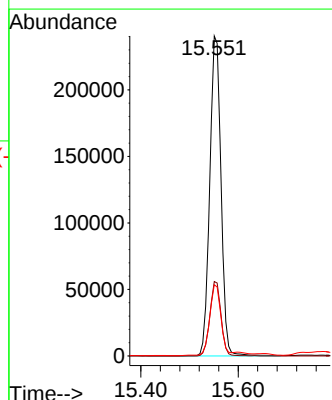
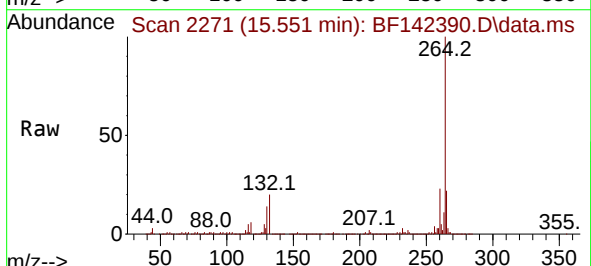
Tgt Ion:264 Resp: 383863

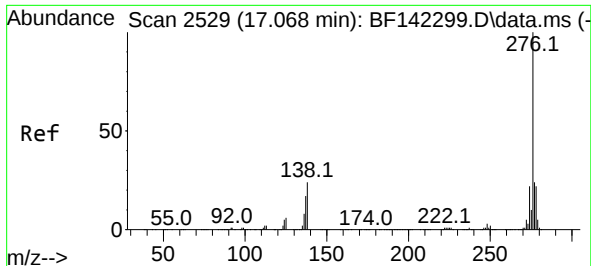
Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 22.3 17.5 26.3

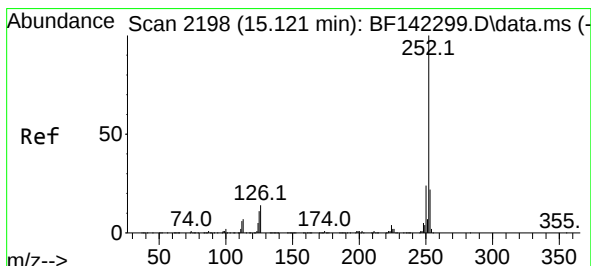
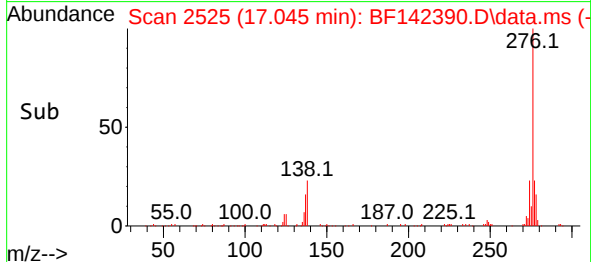
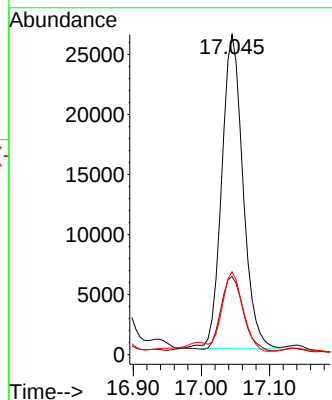
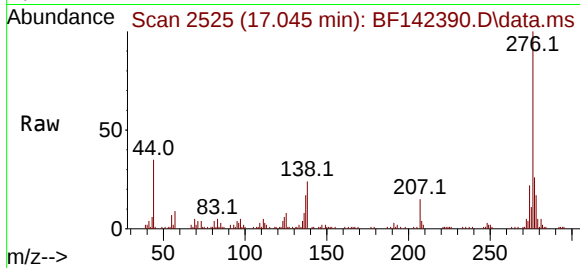




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.129 ng
RT: 17.045 min Scan# 2197
Delta R.T. -0.023 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

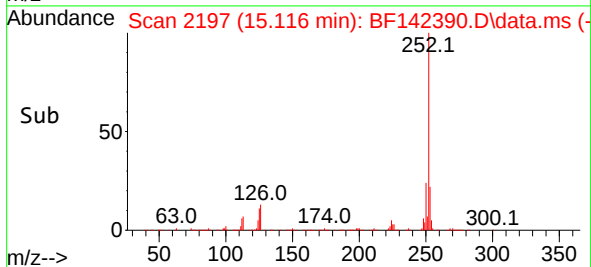
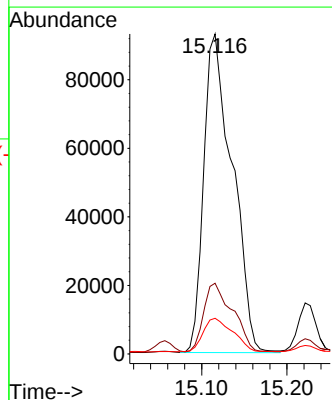
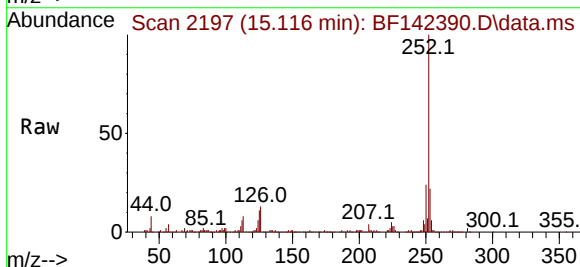
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-02

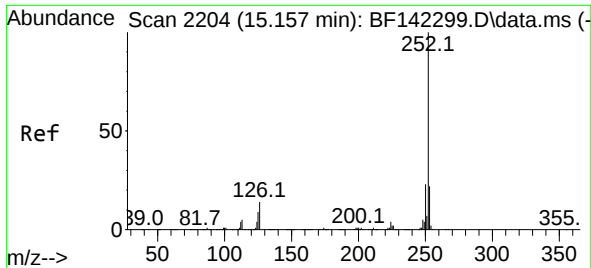
Tgt Ion:276 Resp: 56862
Ion Ratio Lower Upper
276 100
138 25.5 22.0 33.0
277 24.8 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 9.350 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

Tgt Ion:252 Resp: 217377
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.1 8.7 13.1

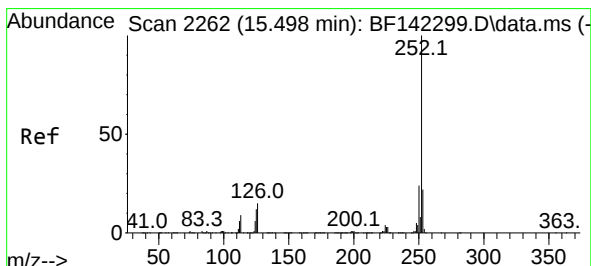
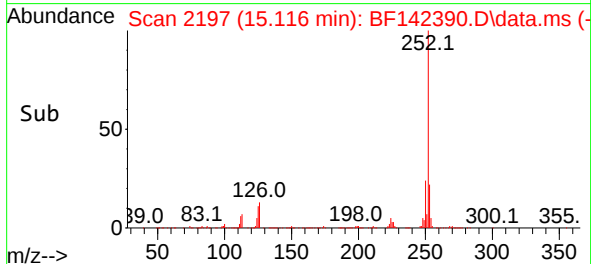
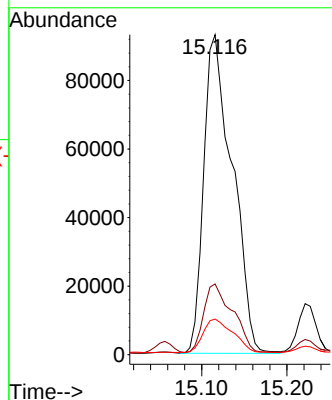
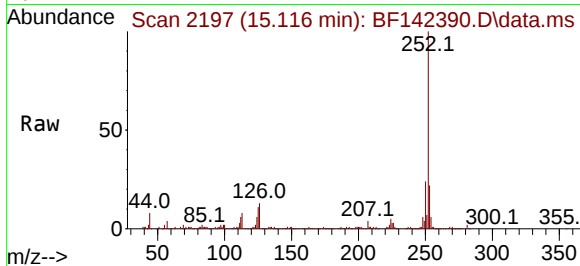




#89
Benzo(k)fluoranthene
Concen: 10.217 ng
RT: 15.116 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

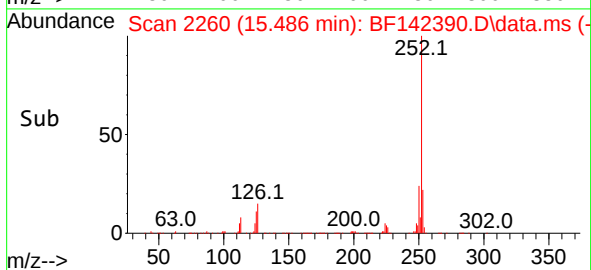
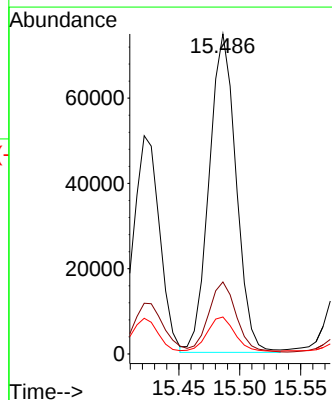
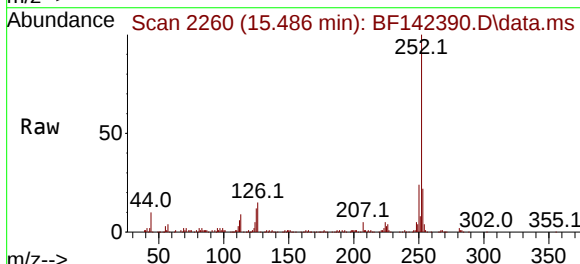
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-02

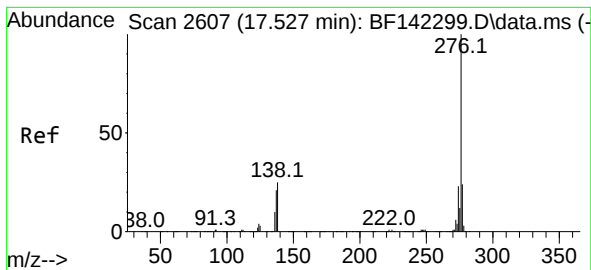
Tgt Ion:252 Resp: 217377
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 11.1 8.1 12.1



#90
Benzo(a)pyrene
Concen: 5.535 ng
RT: 15.486 min Scan# 2260
Delta R.T. -0.012 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

Tgt Ion:252 Resp: 115311
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.5 9.4 14.0





#92

Benzo(g,h,i)perylene

Concen: 2.402 ng

RT: 17.498 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF142390.D

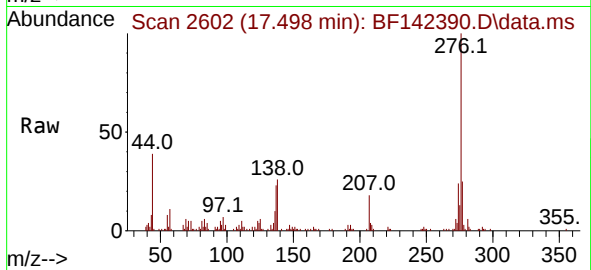
Acq: 15 May 2025 13:24

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-02



Tgt Ion:276 Resp: 52603

Ion Ratio Lower Upper

276 100

277 25.2 19.0 28.6

138 26.1 19.8 29.6

