

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142390.D
 Acq On : 15 May 2025 13:24
 Operator : RC/JU
 Sample : Q1983-07
 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)

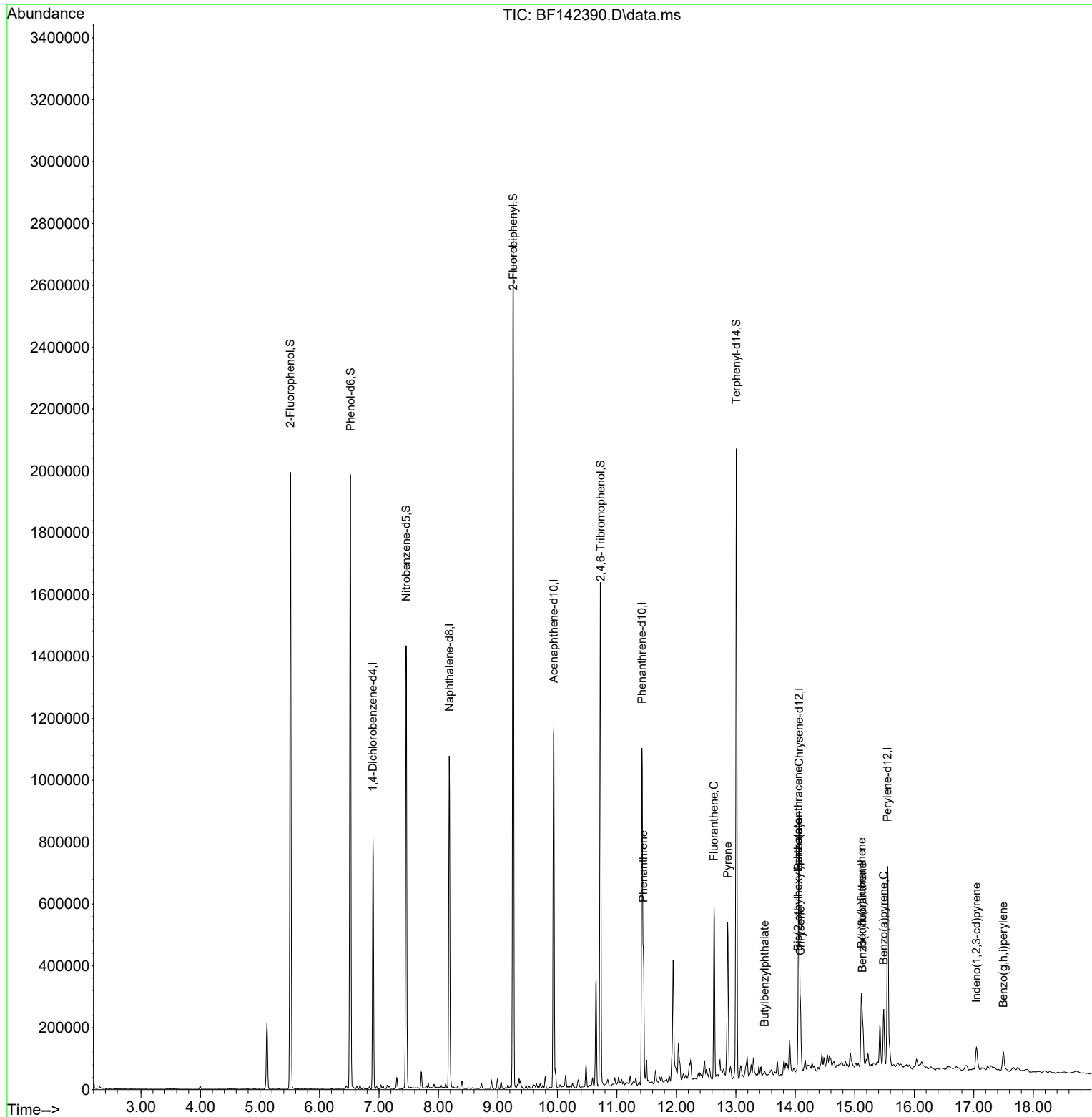
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	176384	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	676707	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	362164	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	564218	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	336681	20.000	ng	0.00
86) Perylene-d12	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
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
87) Indeno(1,2,3-cd)pyrene	17.045	276	56862	2.129	ng	98
88) Benzo(b)fluoranthene	15.116	252	151469m	6.515	ng	
89) Benzo(k)fluoranthene	15.127	252	68531m	3.221	ng	
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

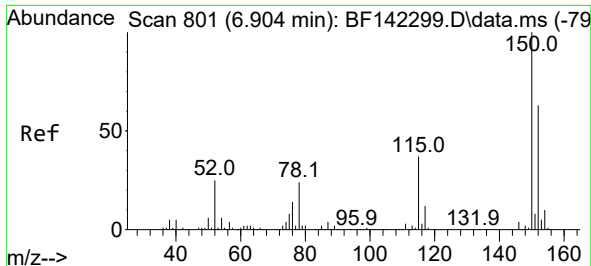
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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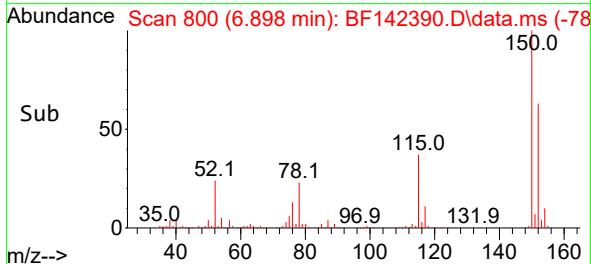
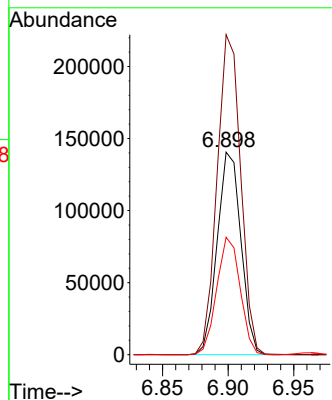
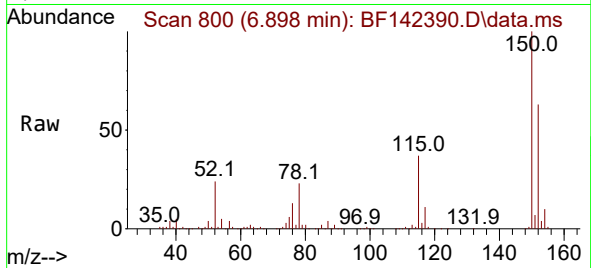




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

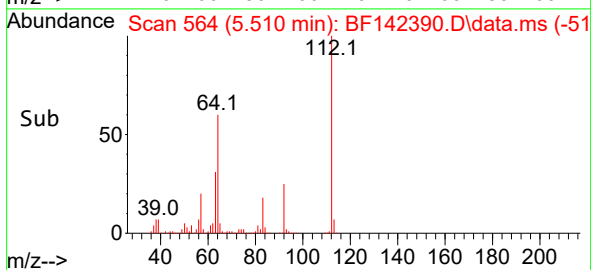
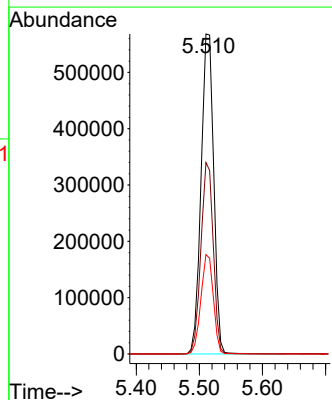
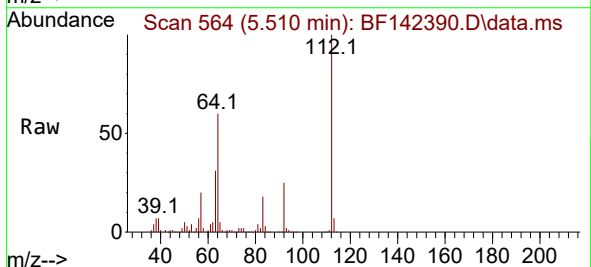
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-02

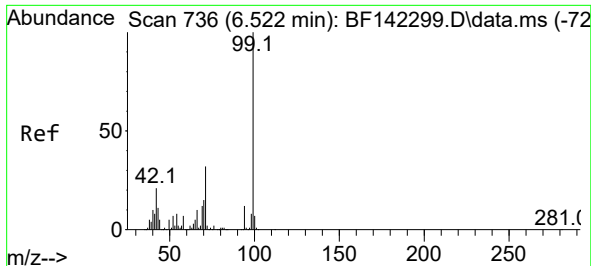
Tgt Ion:152 Resp: 176384
Ion Ratio Lower Upper
152 100
150 158.0 126.6 190.0
115 58.0 47.3 70.9



#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

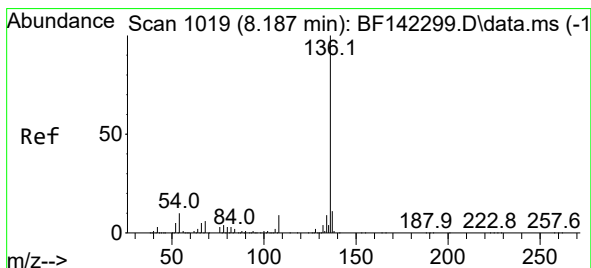
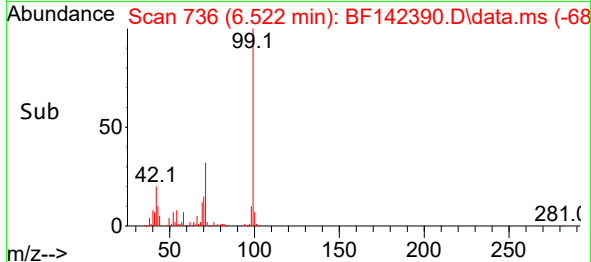
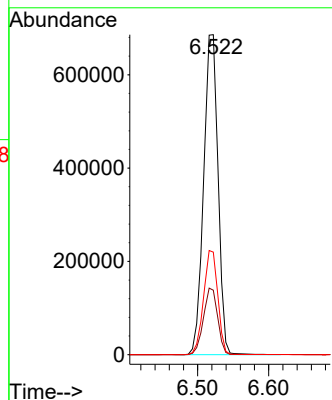
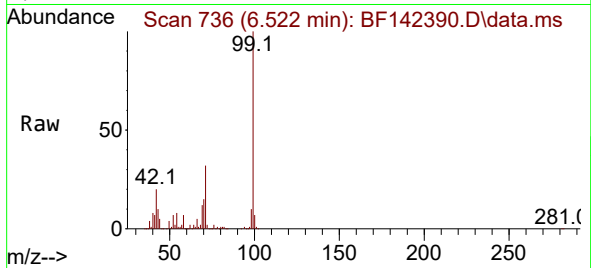




#7
Phenol-d6
Concen: 76.386 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

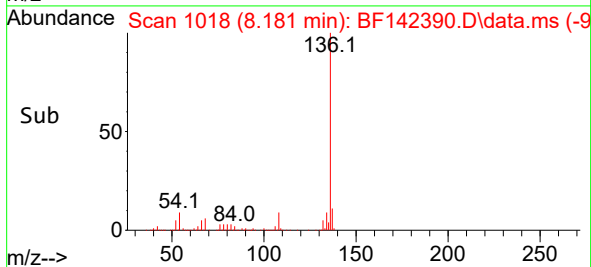
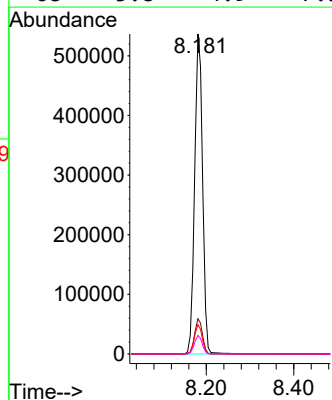
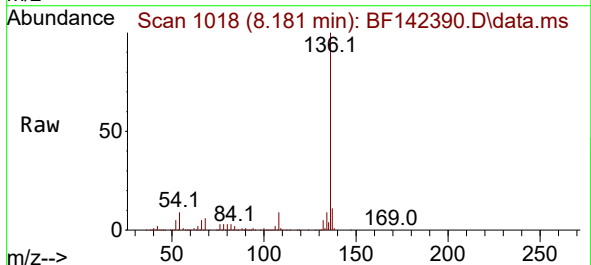
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-02

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# 89

Delta R.T. -0.012 min

Lab File: BF142390.D

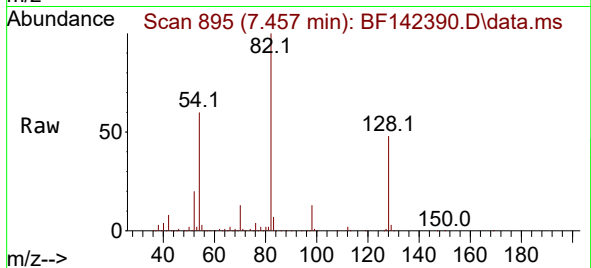
Acq: 15 May 2025 13:24

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-02



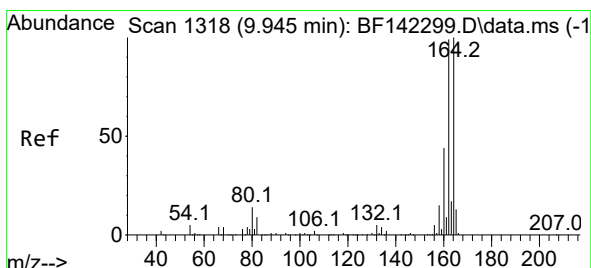
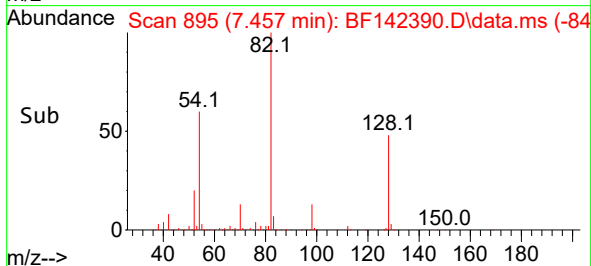
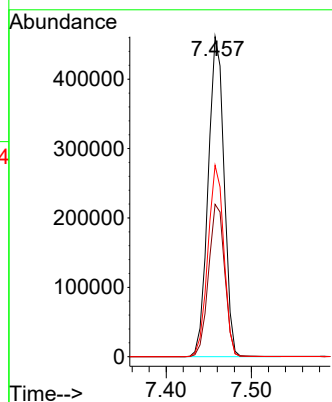
Tgt Ion: 82 Resp: 598674

Ion Ratio Lower Upper

82 100

128 47.6 37.0 55.6

54 59.8 48.6 73.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

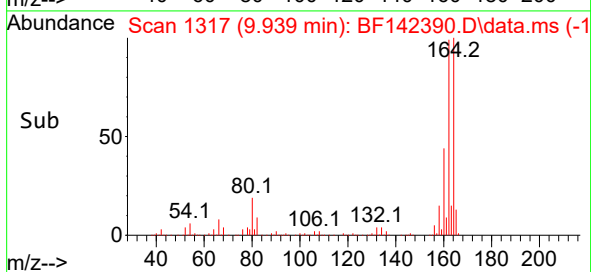
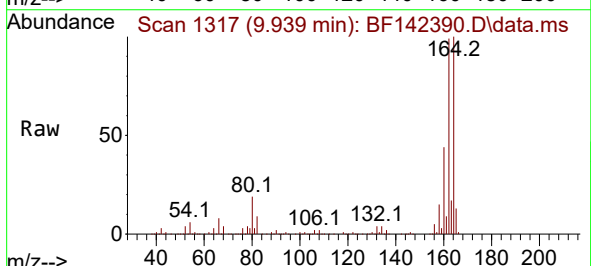
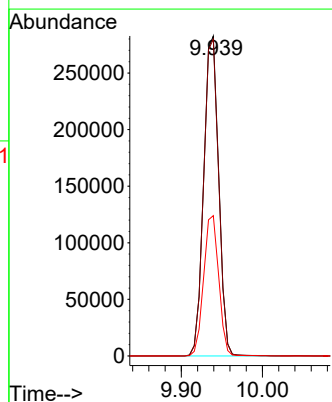
Tgt Ion: 164 Resp: 362164

Ion Ratio Lower Upper

164 100

162 99.0 79.2 118.8

160 43.8 35.3 52.9

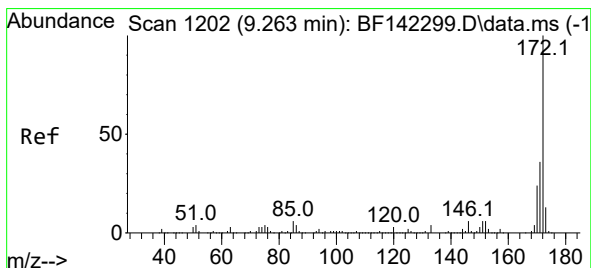
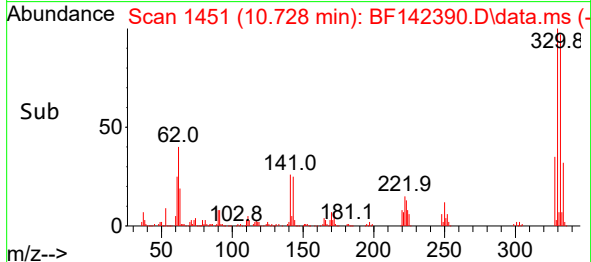
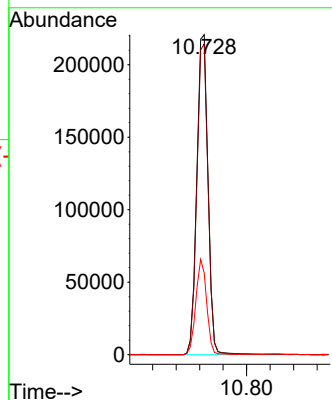
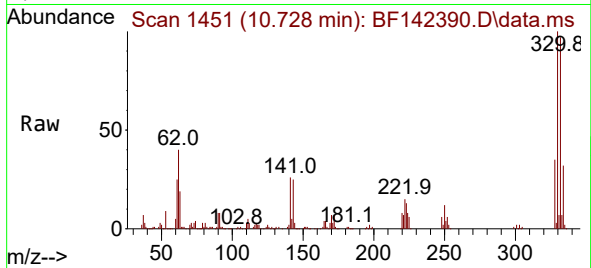




#42
2,4,6-Tribromophenol
Concen: 83.586 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

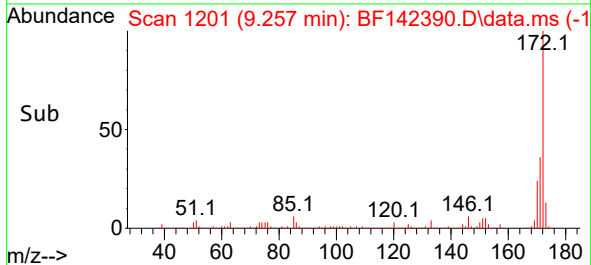
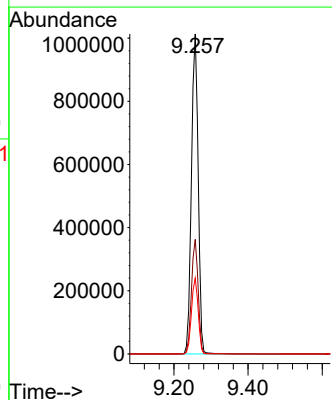
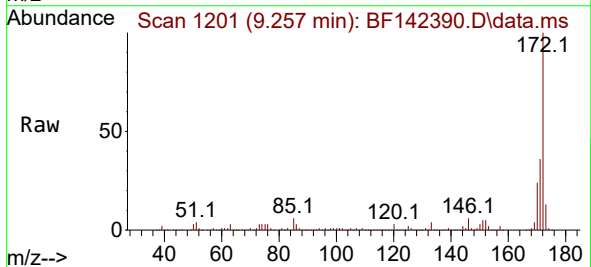
Instrument :
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OR-636-COMP-02

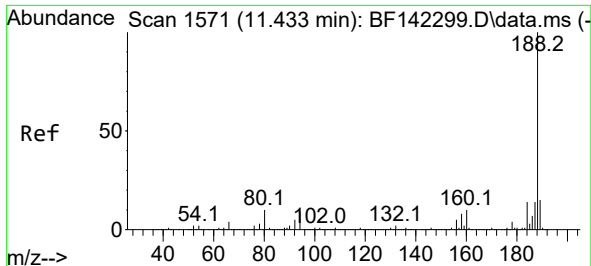
Tgt Ion: 330 Resp: 292268
Ion Ratio Lower Upper
330 100
332 96.6 76.8 115.2
141 28.7 24.9 37.3



#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

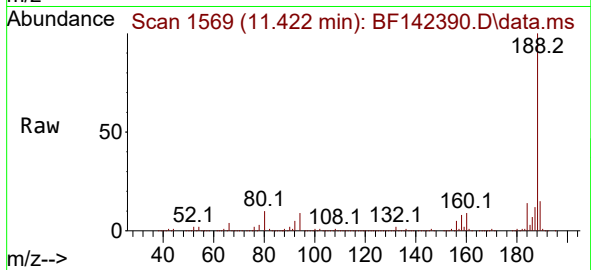
Tgt Ion: 172 Resp: 1283218
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 23.7 19.0 28.4



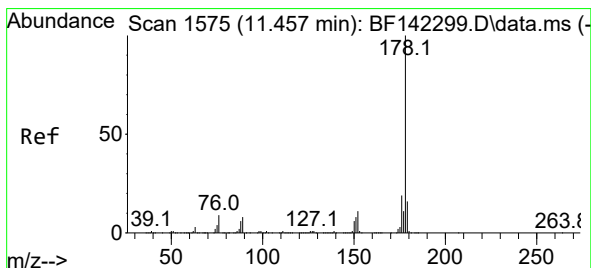
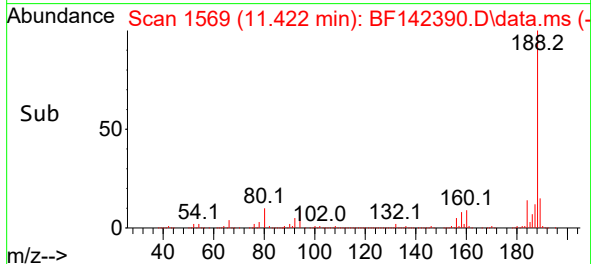
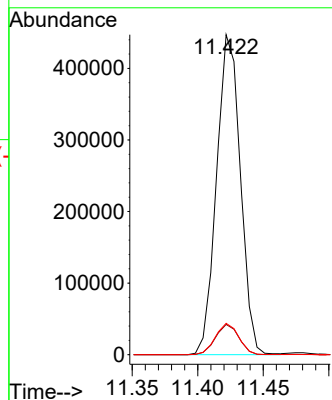


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

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

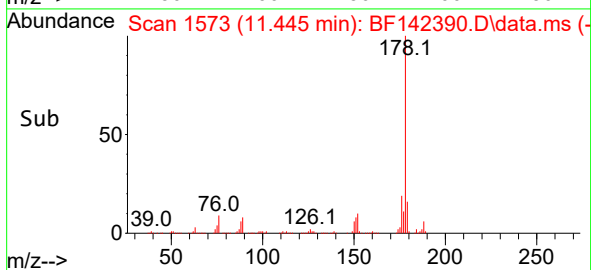
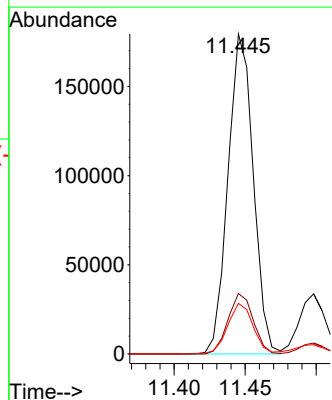
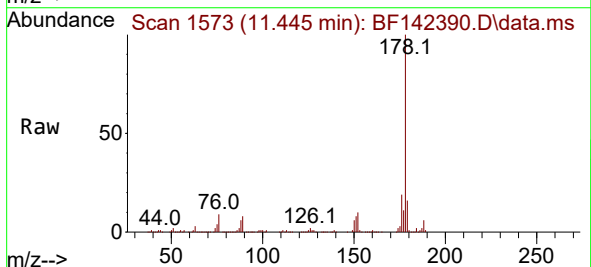


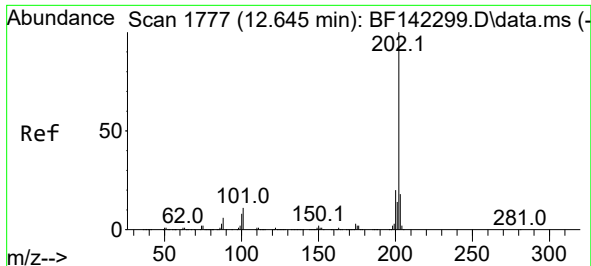
Tgt Ion:188 Resp: 564218
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 9.8 7.9 11.9



#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

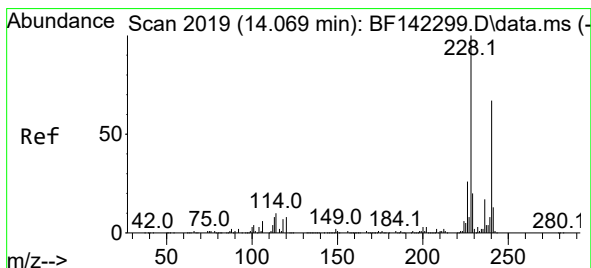
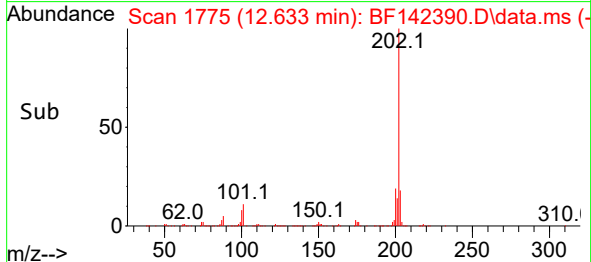
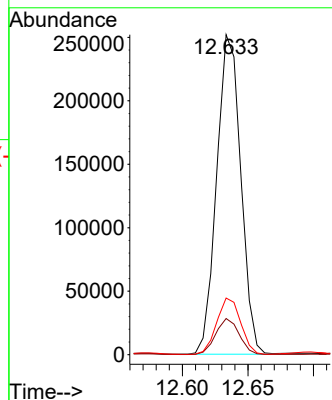
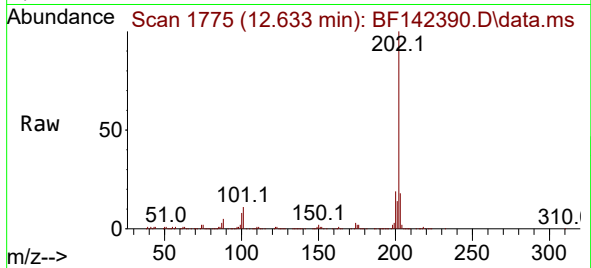




#75
Fluoranthene
Concen: 10.889 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

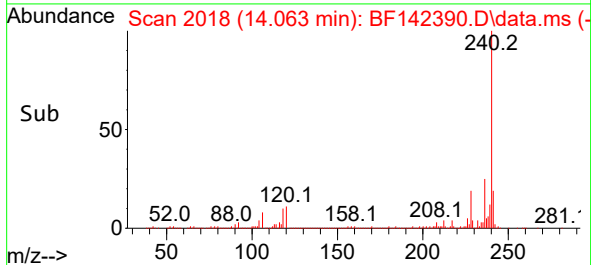
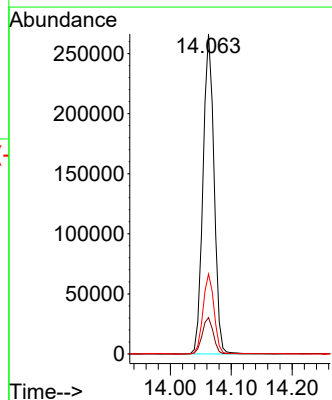
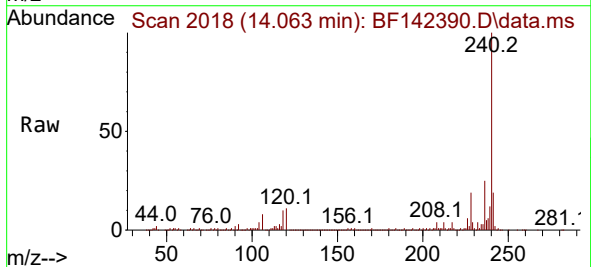
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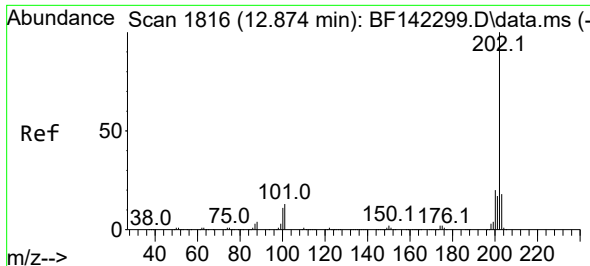
Tgt Ion:202 Resp: 321929
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.4
203 17.7 0.0 37.9



#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

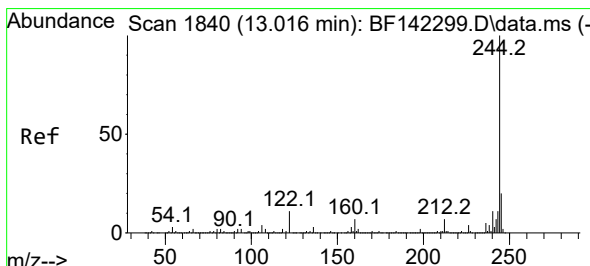
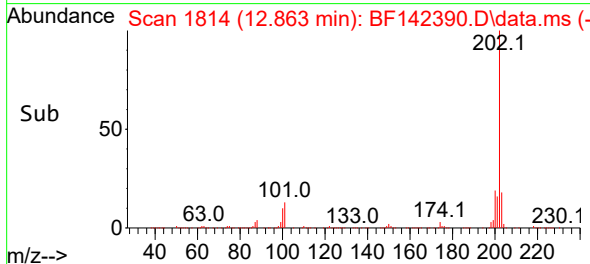
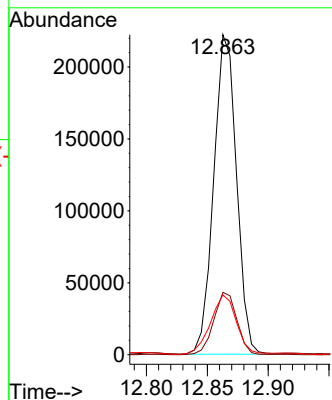
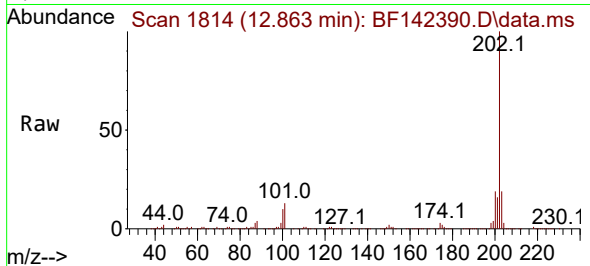




#78
Pyrene
Concen: 9.654 ng
RT: 12.863 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

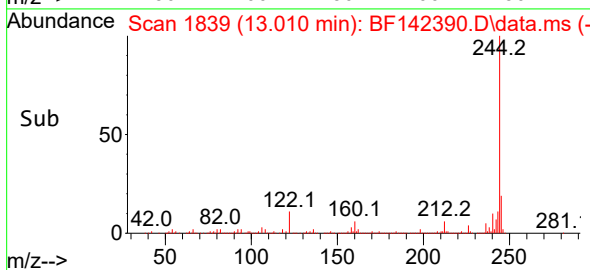
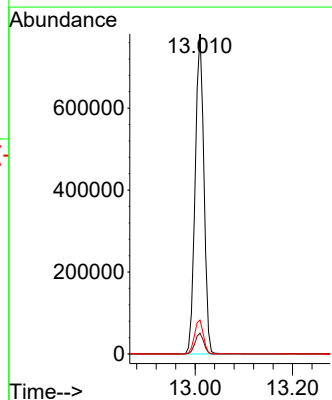
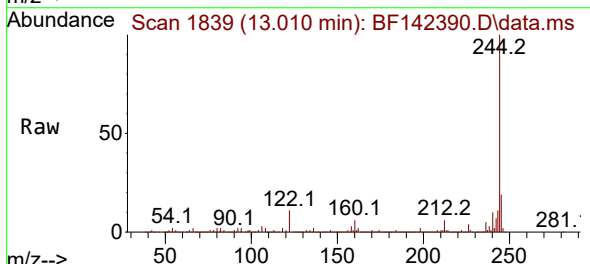
Instrument :
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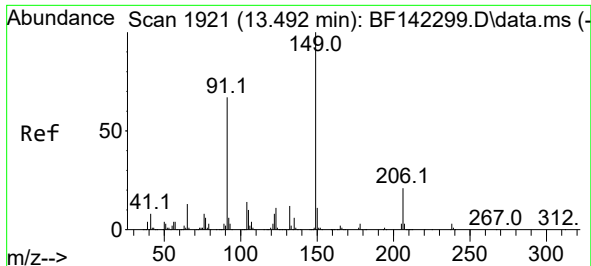
Tgt Ion:202 Resp: 289306
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.4
203 18.7 14.3 21.5



#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

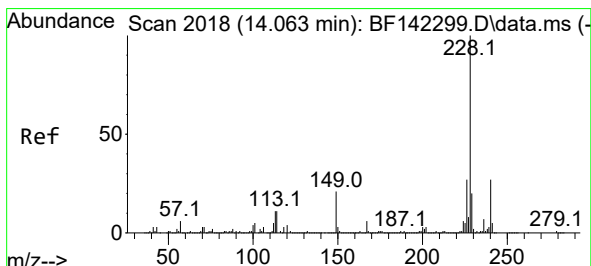
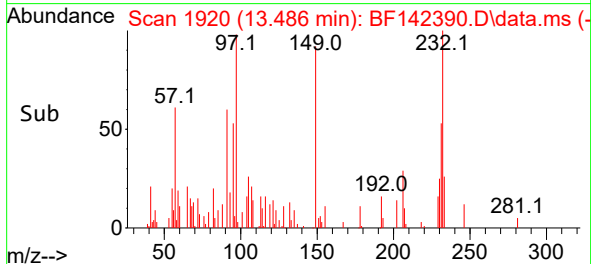
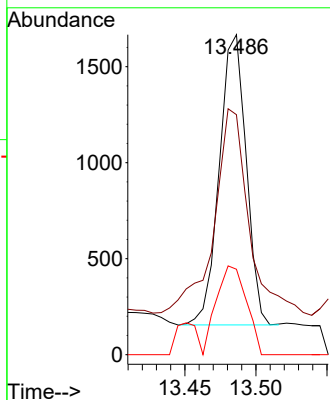
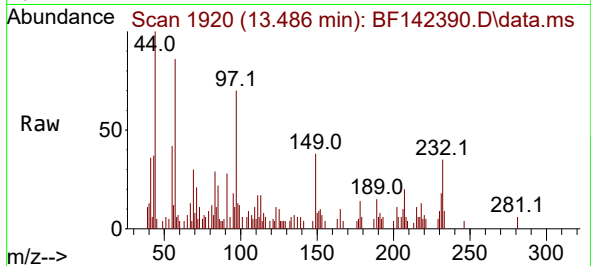




#80
Butylbenzylphthalate
Concen: 3.870 ng
RT: 13.486 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

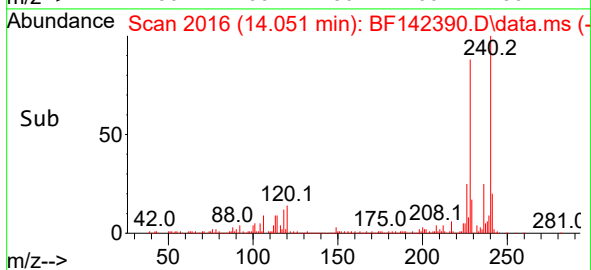
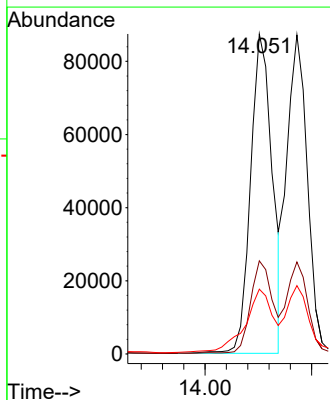
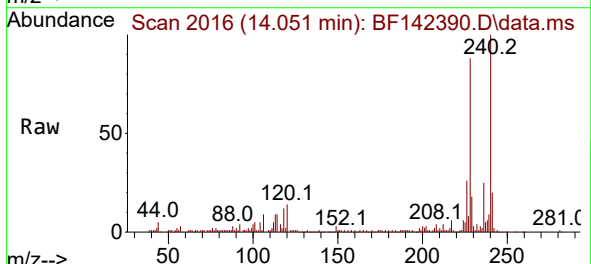
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-02

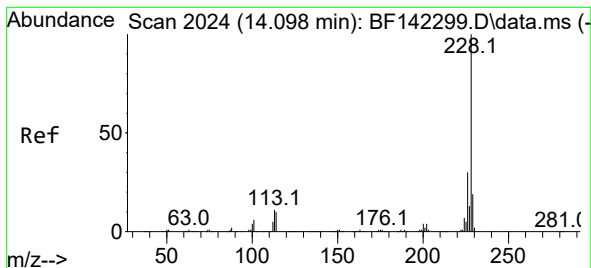
Tgt Ion:149	Resp:	1992
Ion Ratio	Lower	Upper
149	100	
91	75.0	53.8 80.6
206	26.7	16.6 24.8



#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# 20

Delta R.T. -0.012 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-02

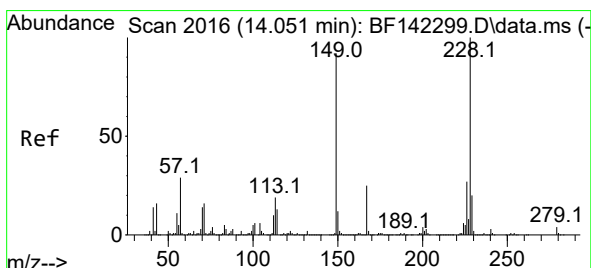
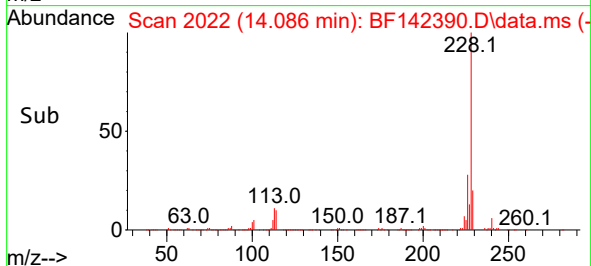
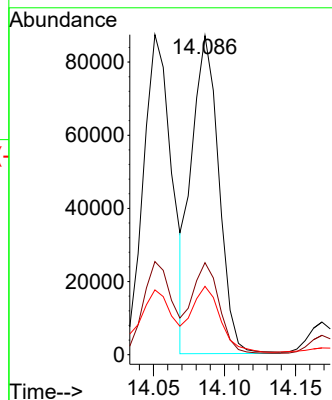
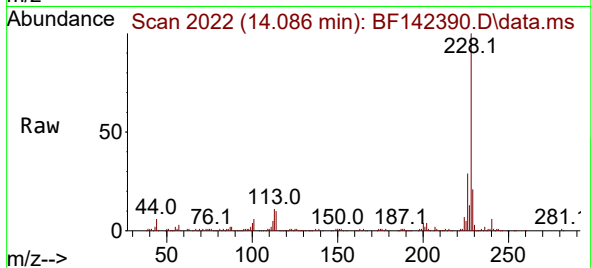
Tgt Ion:228 Resp: 115348

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

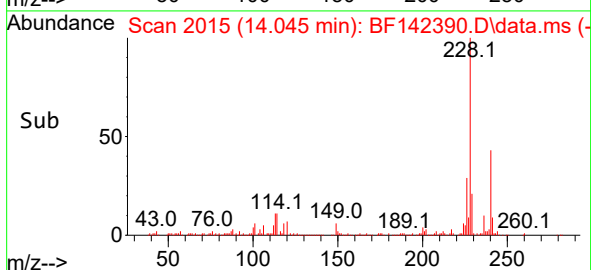
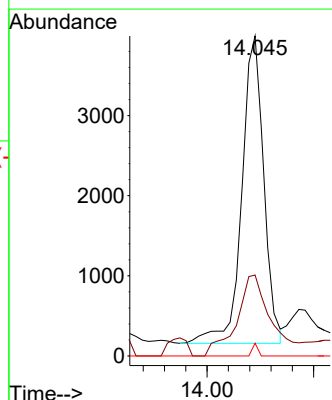
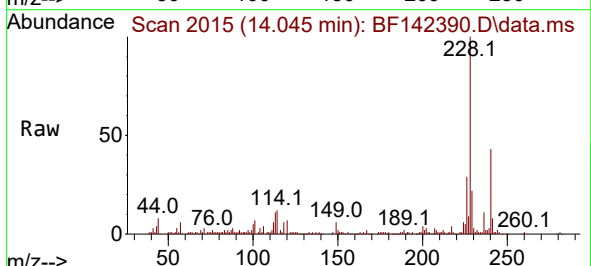
Tgt Ion:149 Resp: 5500

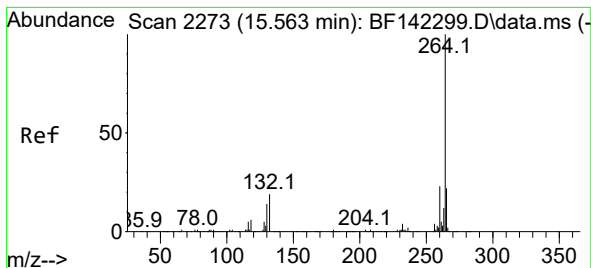
Ion Ratio Lower Upper

149 100

167 25.3 22.0 33.0

279 4.0 3.0 4.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-02

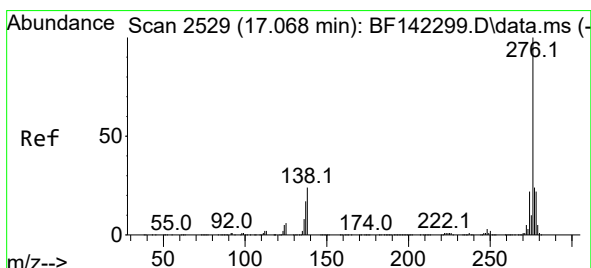
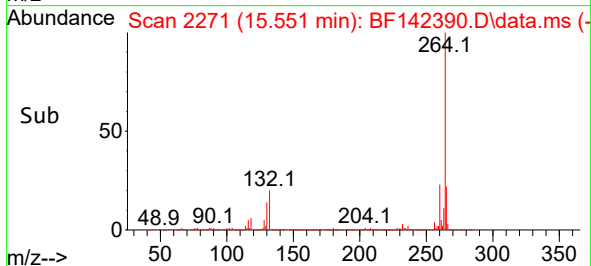
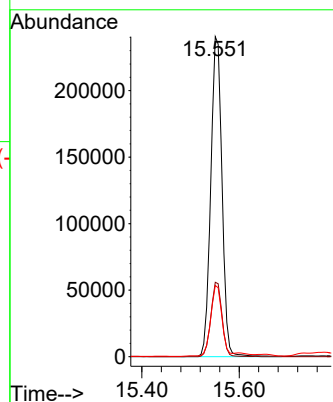
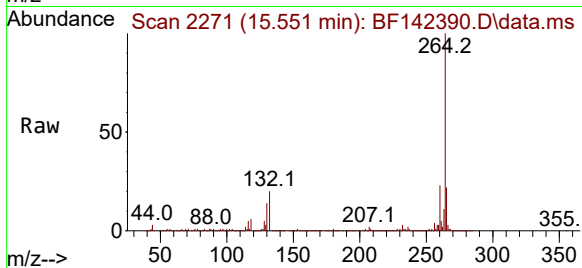
Tgt Ion:264 Resp: 383863

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# 2525

Delta R.T. -0.023 min

Lab File: BF142390.D

Acq: 15 May 2025 13:24

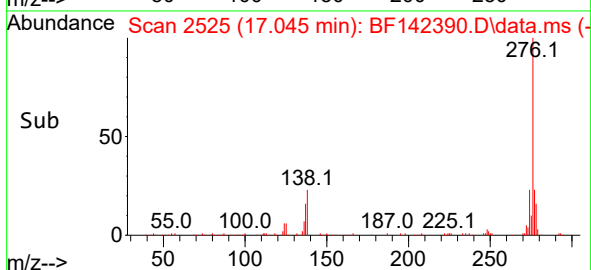
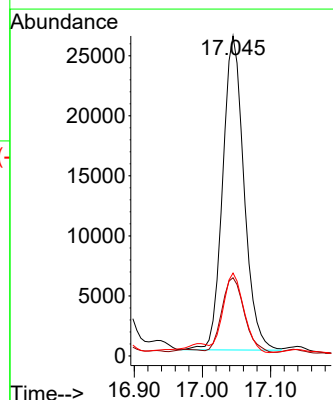
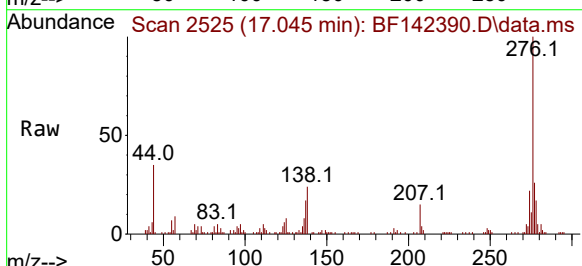
Tgt Ion:276 Resp: 56862

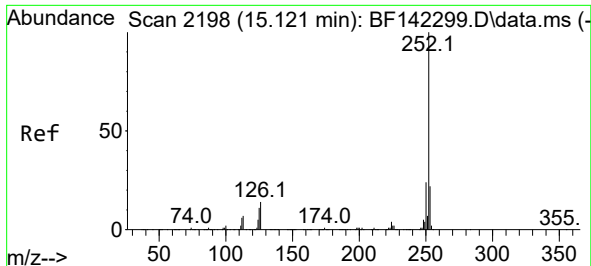
Ion Ratio Lower Upper

276 100

138 25.5 22.0 33.0

277 24.8 20.1 30.1

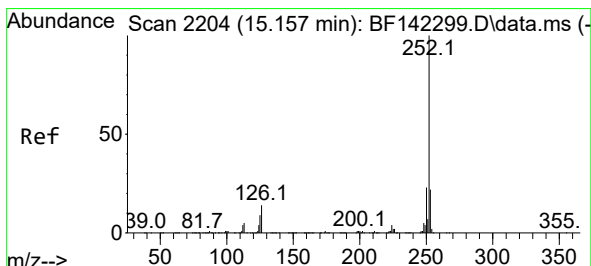
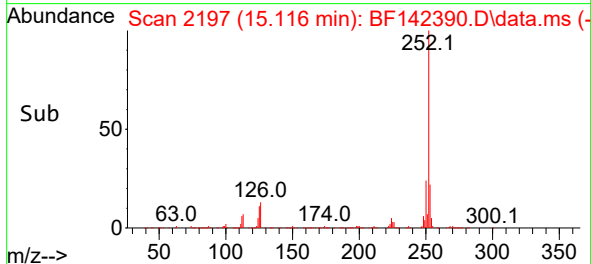
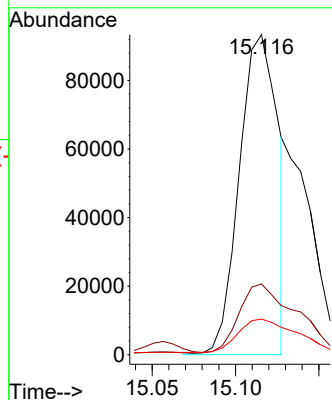
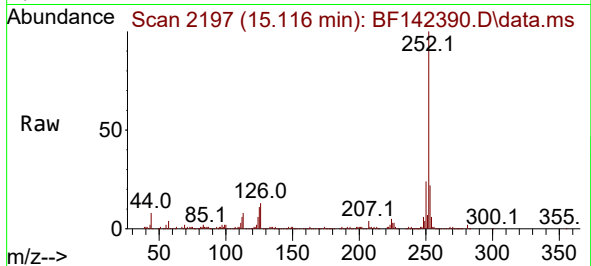




#88
Benzo(b)fluoranthene
Concen: 6.515 ng m
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

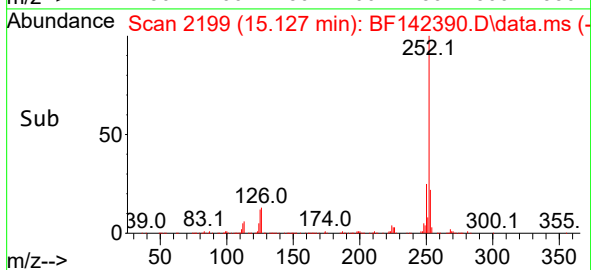
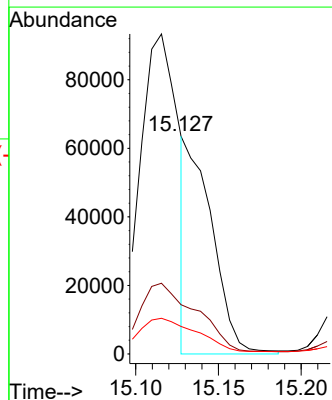
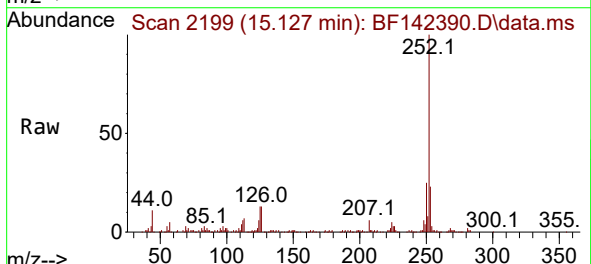
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-02

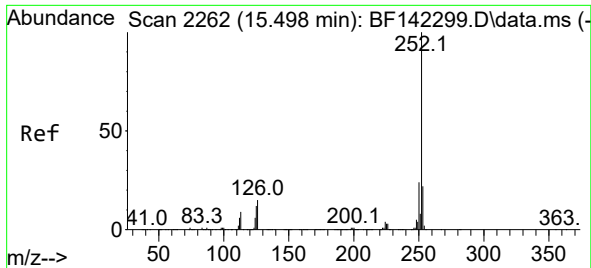
Tgt Ion:252 Resp: 151469
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.1 8.7 13.1



#89
Benzo(k)fluoranthene
Concen: 3.221 ng m
RT: 15.127 min Scan# 2199
Delta R.T. -0.029 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

Tgt Ion:252 Resp: 68531
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 12.6 8.1 12.1#

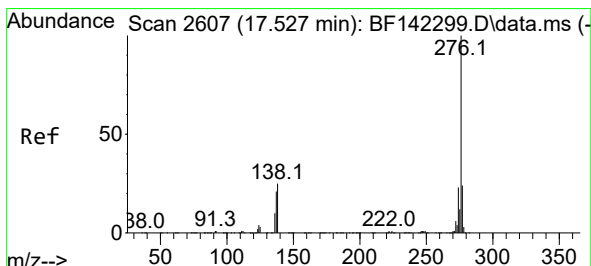
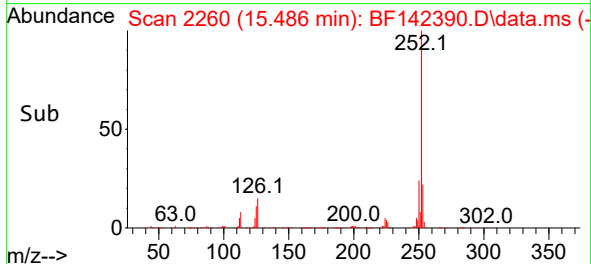
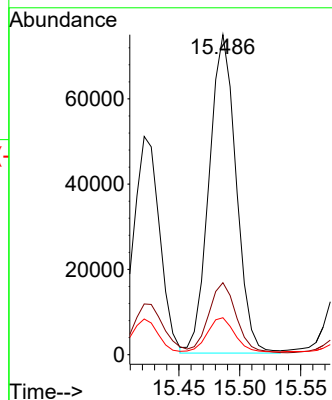
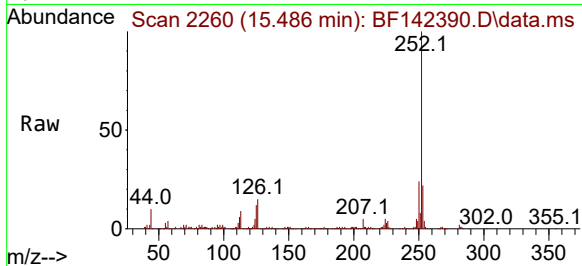




#90
Benzo(a)pyrene
Concen: 5.535 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

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

Tgt Ion: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# 2602
Delta R.T. -0.029 min
Lab File: BF142390.D
Acq: 15 May 2025 13:24

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

