

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031225\
 Data File : BF141936.D
 Acq On : 12 Mar 2025 12:45
 Operator : RC/JU
 Sample : Q1534-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-363-COMP-17

Quant Time: Mar 12 13:11:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

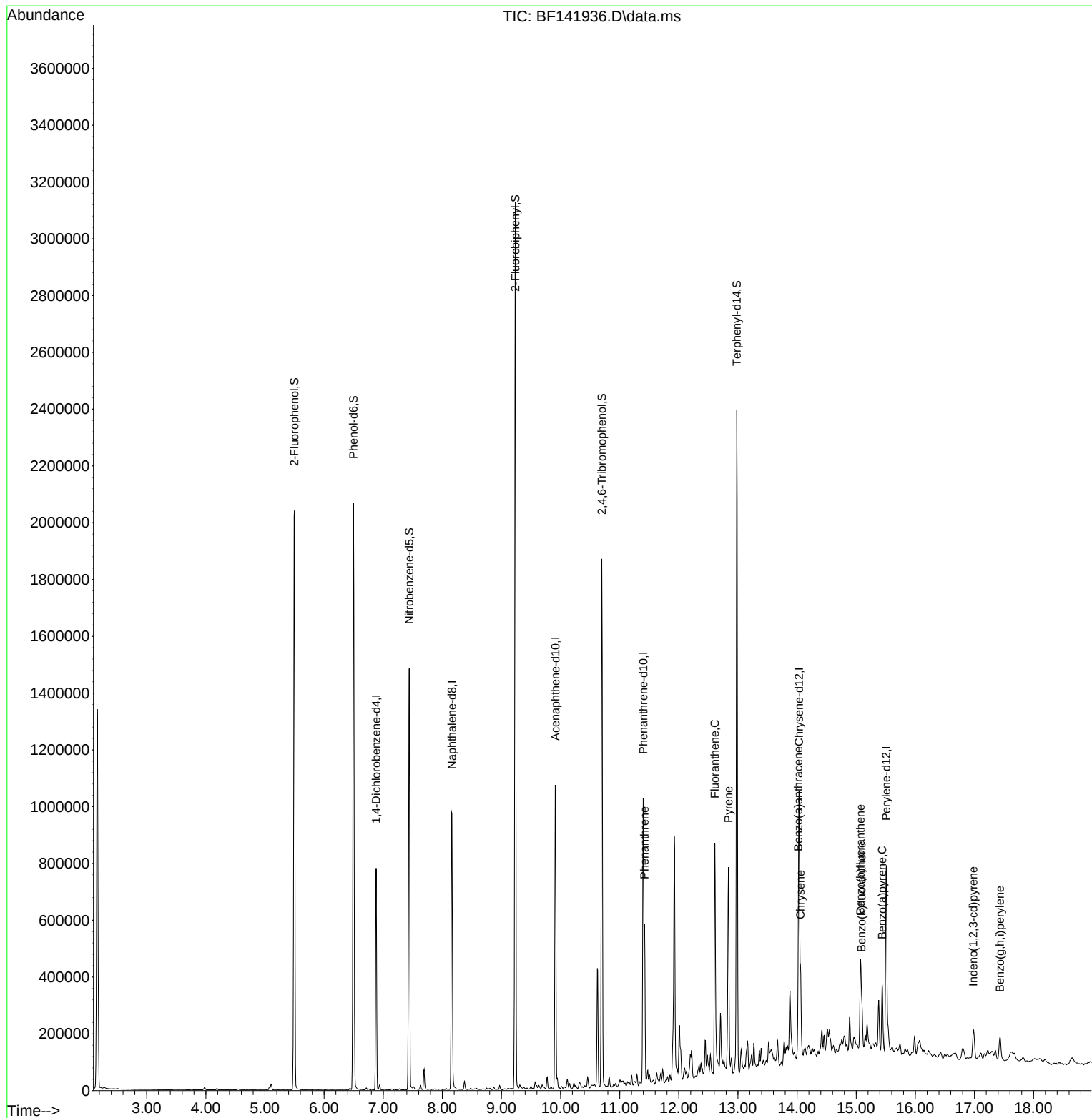
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	159746	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	649108	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	326082	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	496588	20.000	ng	0.00
76) Chrysene-d12	14.033	240	348598	20.000	ng	0.00
86) Perylene-d12	15.509	264	401108	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	813349	84.975	ng	0.00
7) Phenol-d6	6.498	99	974260	79.944	ng	0.00
23) Nitrobenzene-d5	7.439	82	667322	57.855	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	323798	78.273	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1326749	61.878	ng	0.00
79) Terphenyl-d14	12.980	244	1133602	48.078	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.421	178	288585	10.759	ng	99
75) Fluoranthene	12.610	202	425900	14.969	ng	100
78) Pyrene	12.839	202	407854	13.526	ng	99
81) Benzo(a)anthracene	14.021	228	165464	7.233	ng	94
83) Chrysene	14.057	228	172527	8.320	ng	98
87) Indeno(1,2,3-cd)pyrene	16.980	276	81516m	3.142	ng	
88) Benzo(b)fluoranthene	15.074	252	211903m	7.708	ng	
89) Benzo(k)fluoranthene	15.092	252	67913m	2.887	ng	
90) Benzo(a)pyrene	15.439	252	147465	6.856	ng	97
92) Benzo(g,h,i)perylene	17.433	276	75936	3.589	ng	99

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

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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

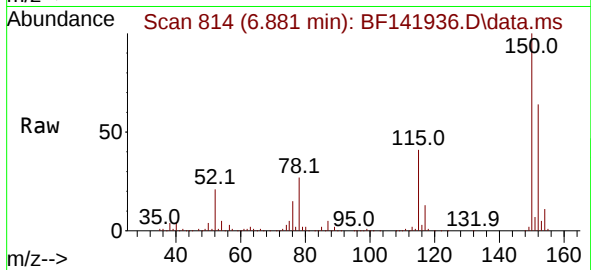
Quant Time: Mar 12 13:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
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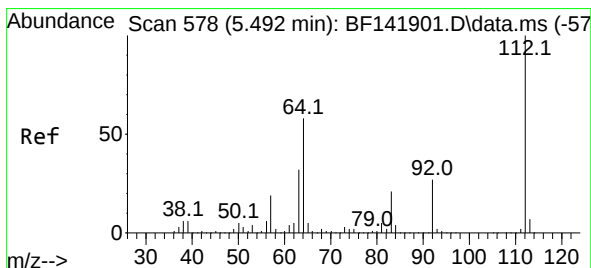
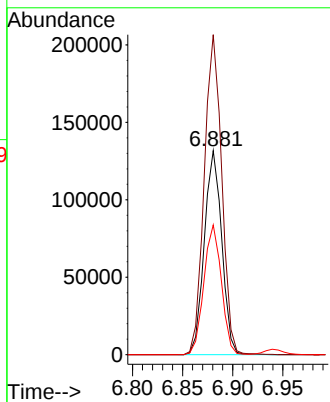
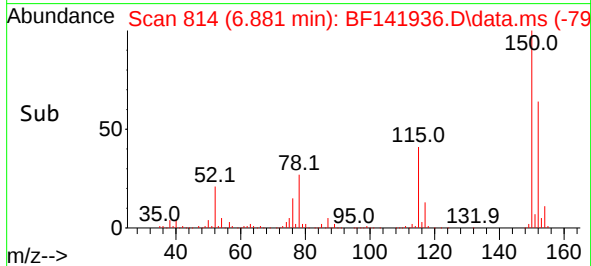


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

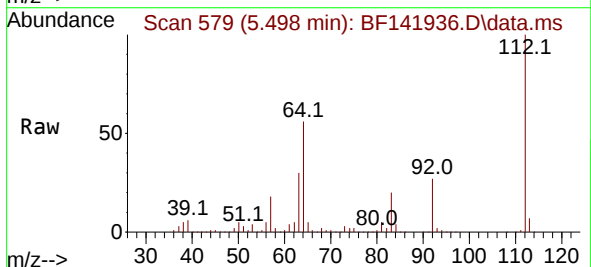
Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17



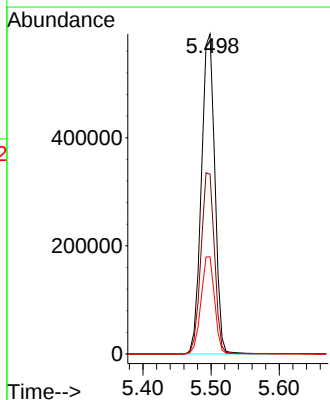
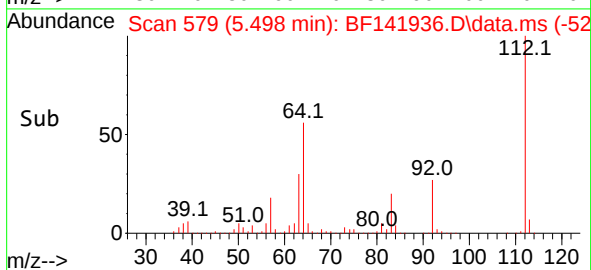
Tgt Ion:152 Resp: 159746
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.2
115 63.6 51.9 77.9



#5
2-Fluorophenol
Concen: 84.975 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45



Tgt Ion:112 Resp: 813349
Ion Ratio Lower Upper
112 100
64 56.2 46.5 69.7
63 30.3 25.4 38.2

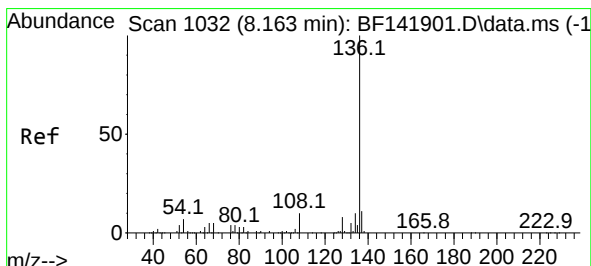
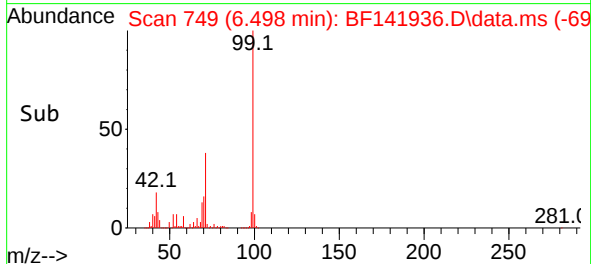
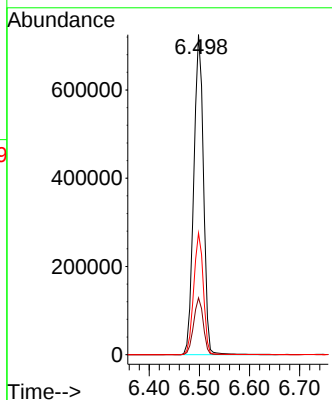
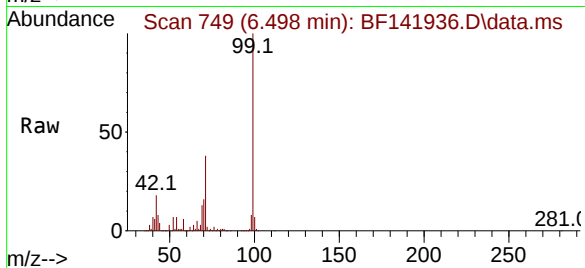




#7
Phenol-d6
Concen: 79.944 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

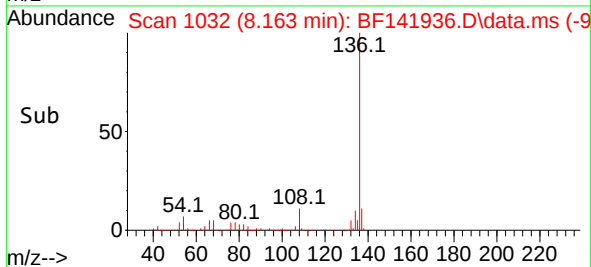
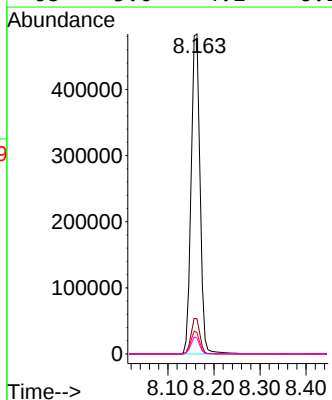
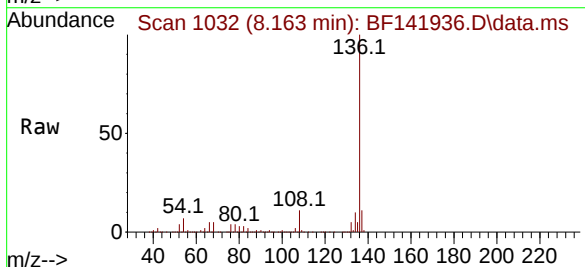
Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

Tgt Ion: 99 Resp: 974260
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 38.0 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

Tgt Ion:136 Resp: 649108
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.7 5.8 8.8
68 5.0 4.1 6.1

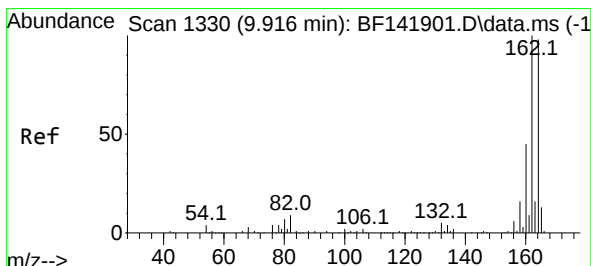
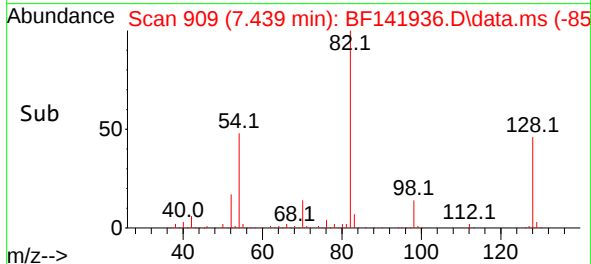
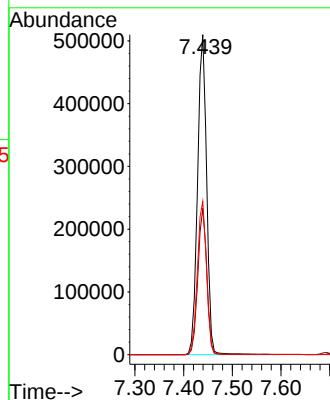
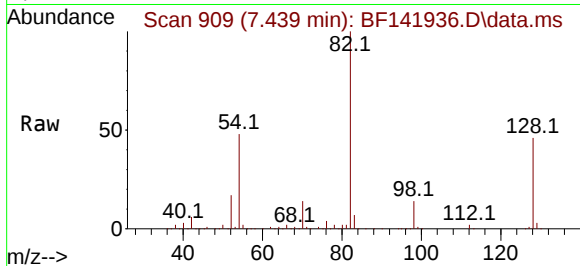




#23
Nitrobenzene-d5
Concen: 57.855 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

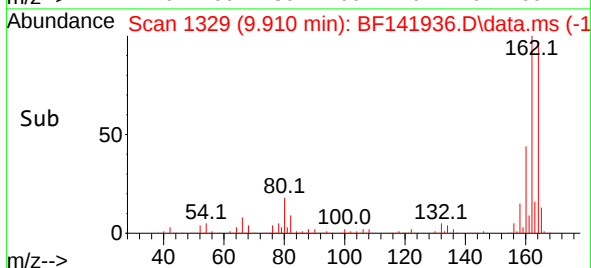
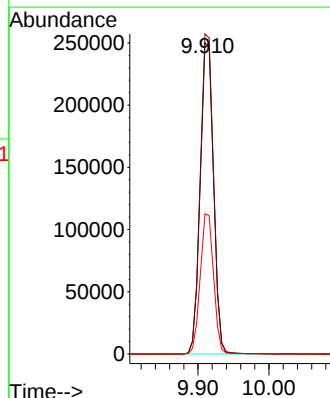
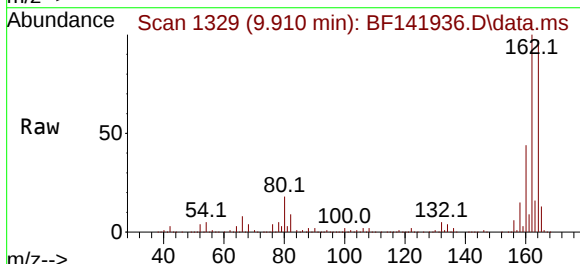
Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

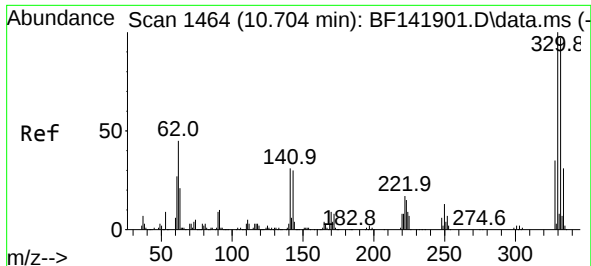
Tgt Ion: 82 Resp: 667322
Ion Ratio Lower Upper
82 100
128 45.7 36.0 54.0
54 47.9 39.6 59.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

Tgt Ion:164 Resp: 326082
Ion Ratio Lower Upper
164 100
162 102.9 81.8 122.6
160 45.1 36.7 55.1

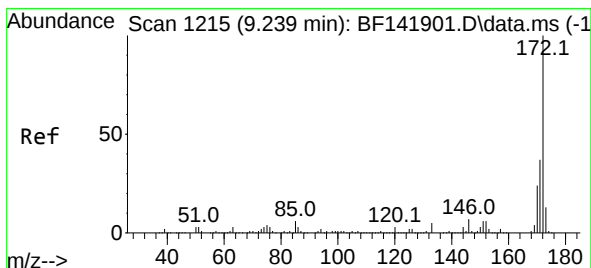
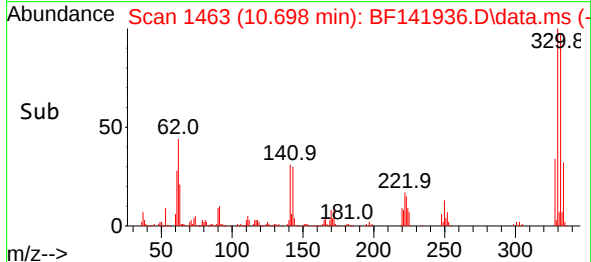
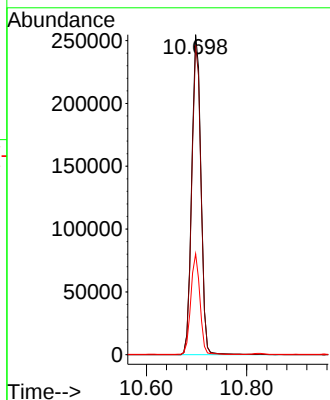
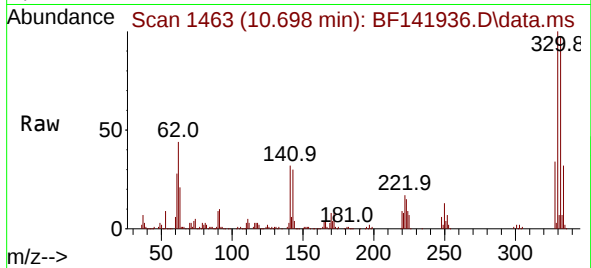




#42
2,4,6-Tribromophenol
Concen: 78.273 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

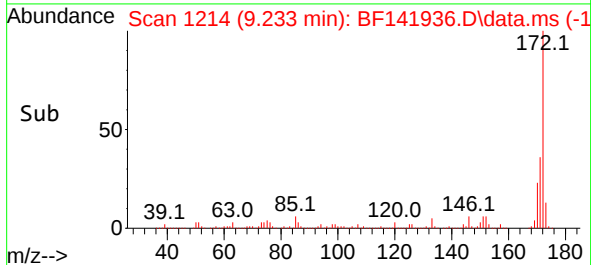
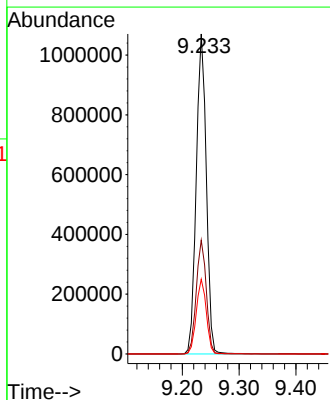
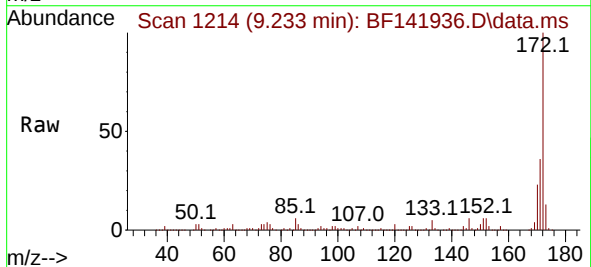
Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

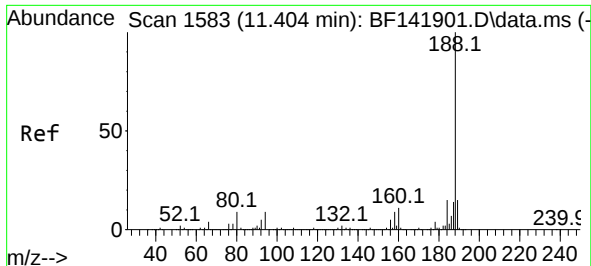
Tgt Ion:330 Resp: 323798
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 31.1 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 61.878 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

Tgt Ion:172 Resp: 1326749
Ion Ratio Lower Upper
172 100
171 35.6 29.3 43.9
170 23.4 19.4 29.0

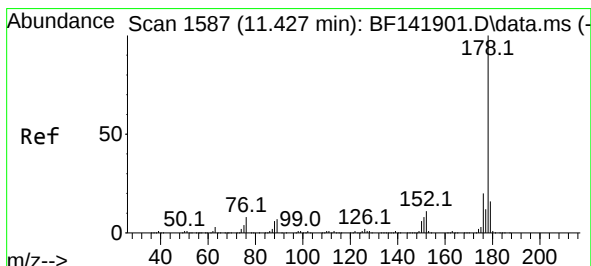
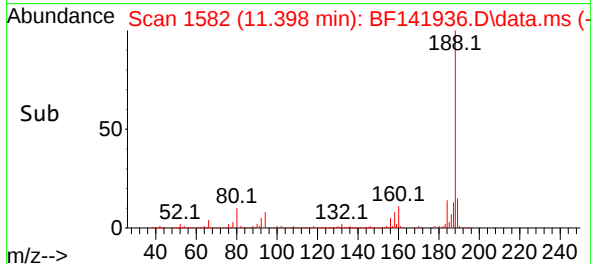
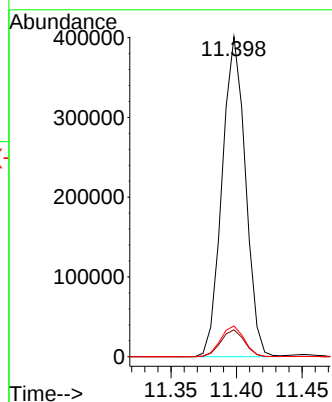
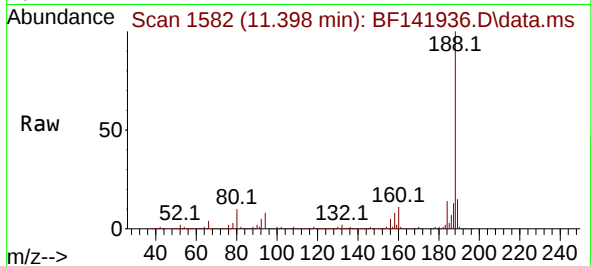




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

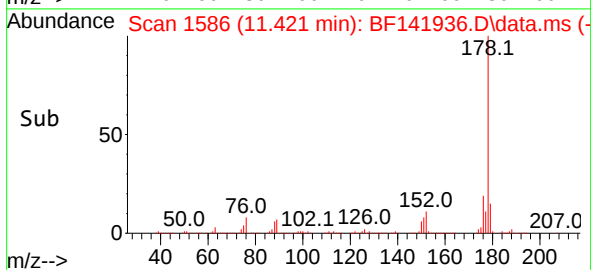
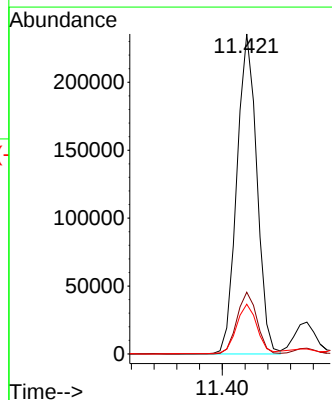
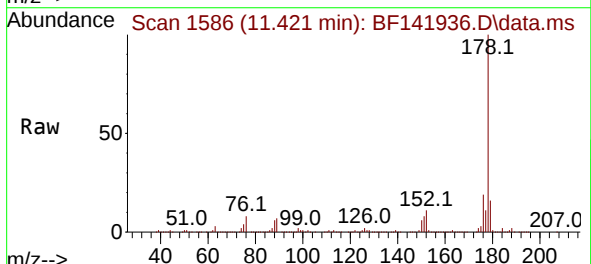
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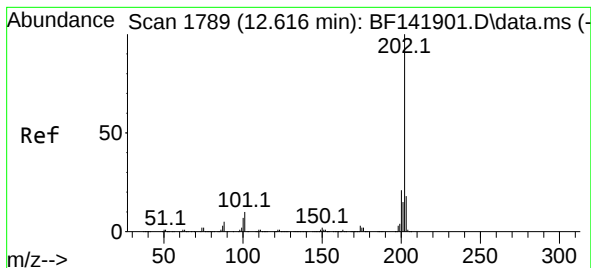
Tgt Ion:188 Resp: 496588
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.6 7.6 11.4



#71
Phenanthrene
Concen: 10.759 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

Tgt Ion:178 Resp: 288585
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.5 12.6 19.0





#75

Fluoranthene

Concen: 14.969 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141936.D

Acq: 12 Mar 2025 12:45

Instrument :

BNA_F

ClientSampleId :

OR-363-COMP-17

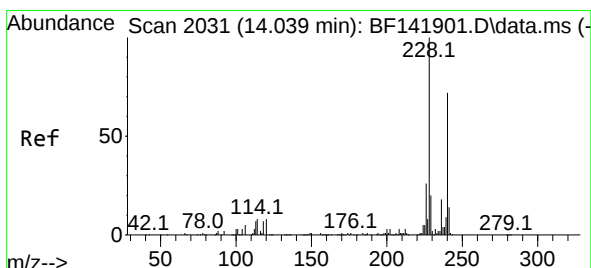
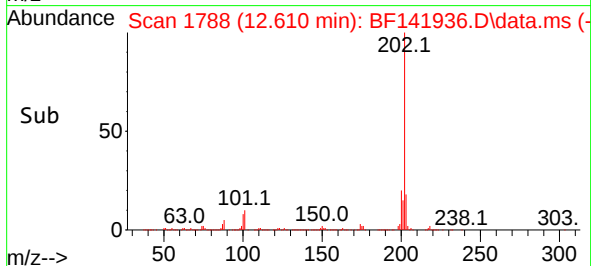
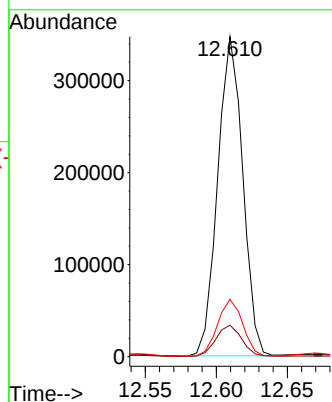
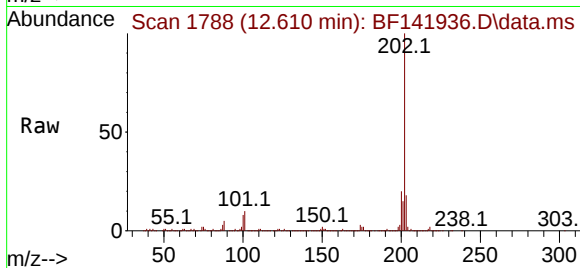
Tgt Ion:202 Resp: 425900

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.7

203 17.9 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF141936.D

Acq: 12 Mar 2025 12:45

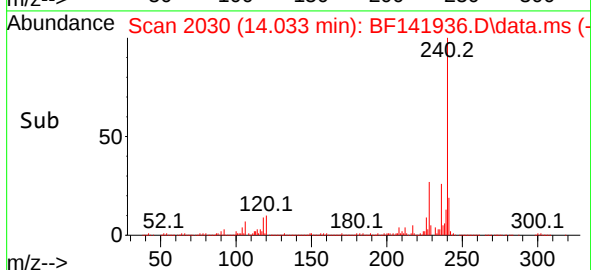
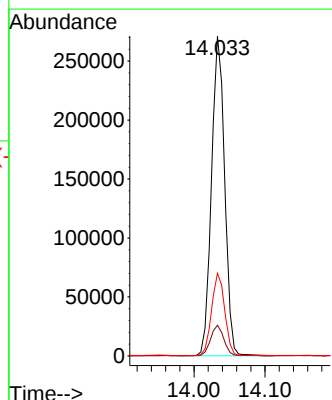
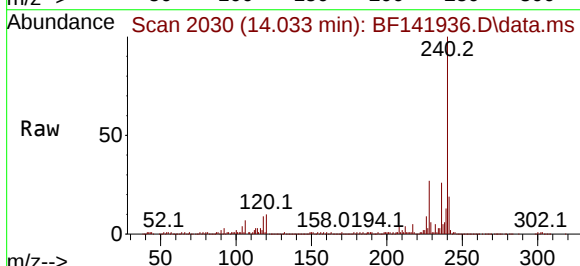
Tgt Ion:240 Resp: 348598

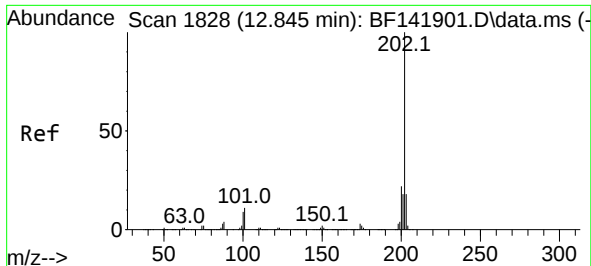
Ion Ratio Lower Upper

240 100

120 9.6 8.4 12.6

236 25.9 20.5 30.7

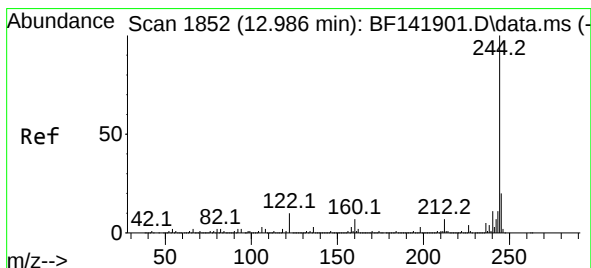
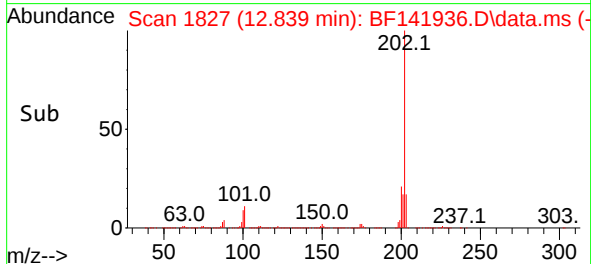
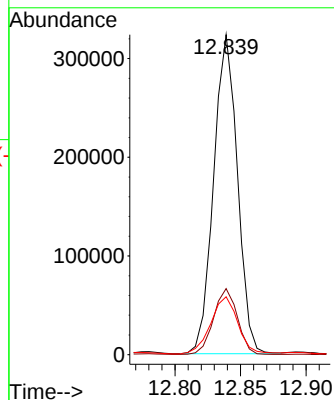
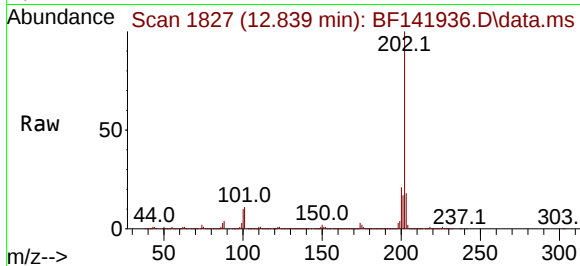




#78
Pyrene
Concen: 13.526 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

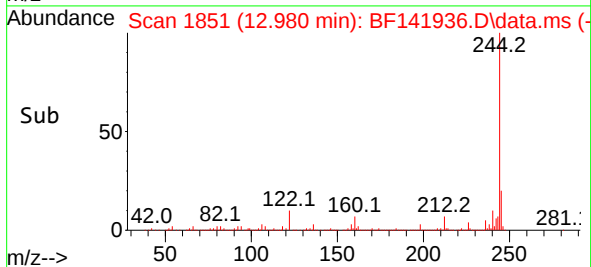
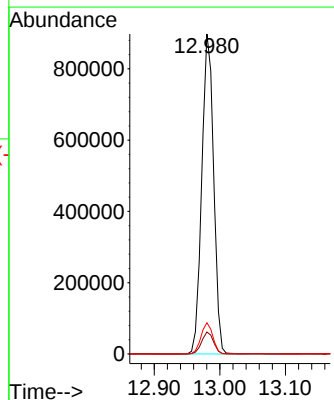
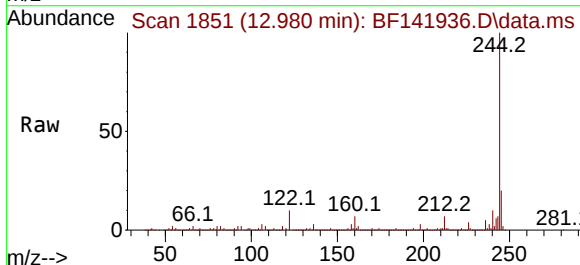
Instrument :
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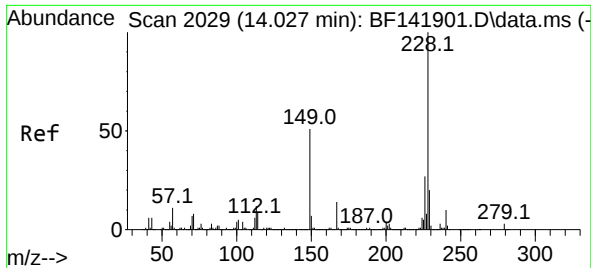
Tgt Ion:202 Resp: 407854
Ion Ratio Lower Upper
202 100
200 20.7 17.3 25.9
203 18.1 14.4 21.6



#79
Terphenyl-d14
Concen: 48.078 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

Tgt Ion:244 Resp: 1133602
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.8 7.7 11.5

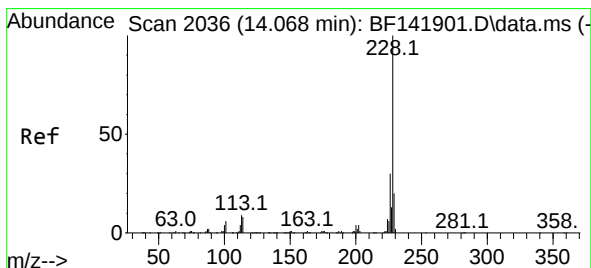
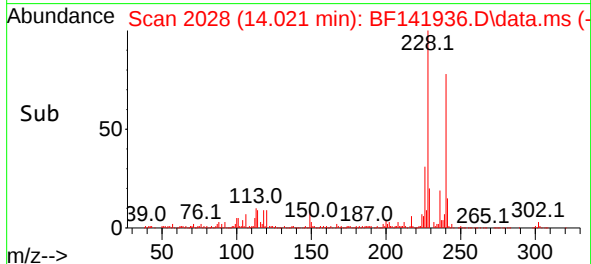
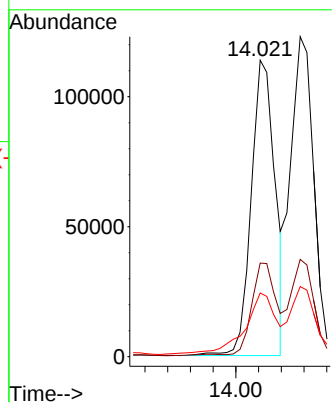
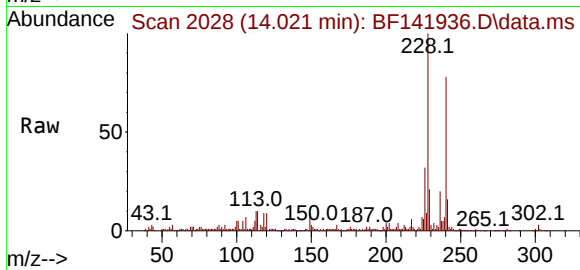




#81
Benzo(a)anthracene
Concen: 7.233 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

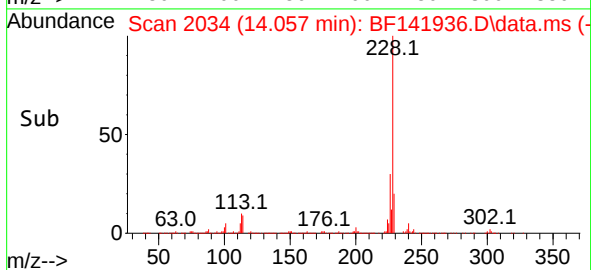
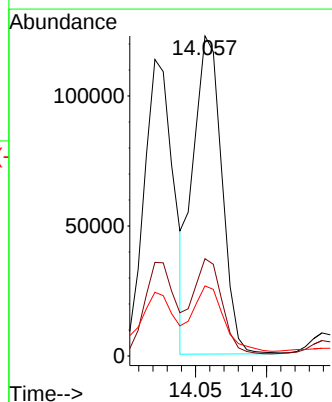
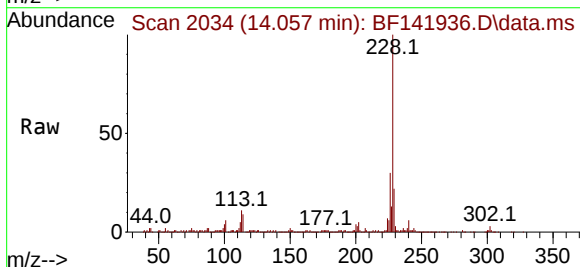
Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

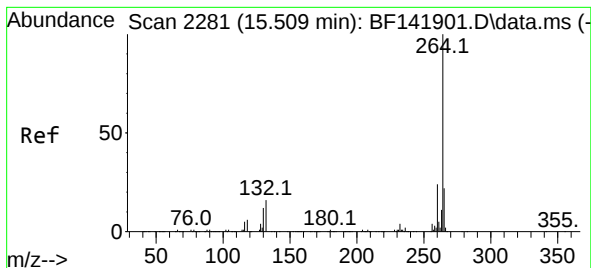
Tgt Ion:228 Resp: 165464
Ion Ratio Lower Upper
228 100
226 31.6 21.8 32.8
229 21.5 16.0 24.0



#83
Chrysene
Concen: 8.320 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

Tgt Ion:228 Resp: 172527
Ion Ratio Lower Upper
228 100
226 30.4 24.1 36.1
229 21.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141936.D

Acq: 12 Mar 2025 12:45

Instrument :

BNA_F

ClientSampleId :

OR-363-COMP-17

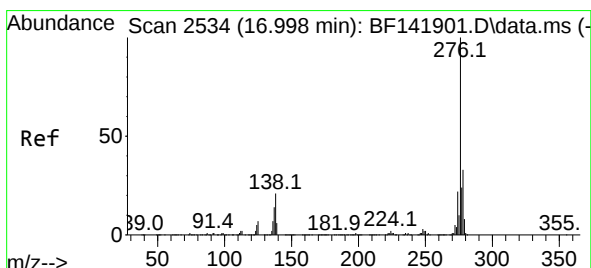
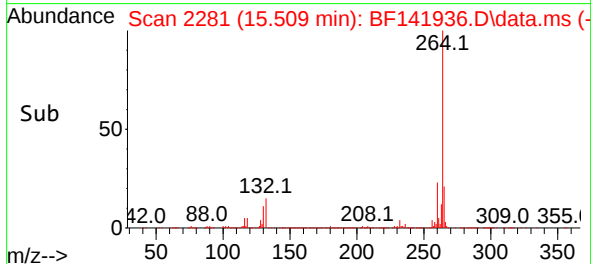
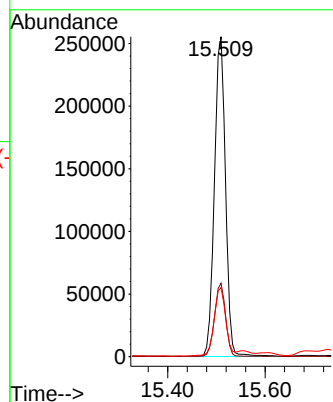
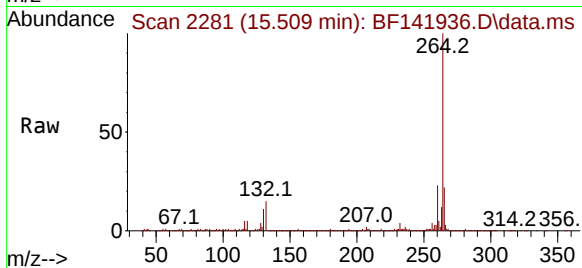
Tgt Ion:264 Resp: 401108

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

265 21.6 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.142 ng m

RT: 16.980 min Scan# 2531

Delta R.T. -0.018 min

Lab File: BF141936.D

Acq: 12 Mar 2025 12:45

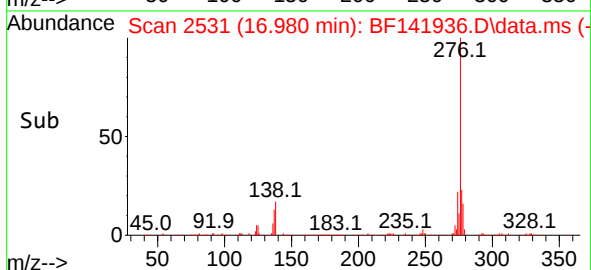
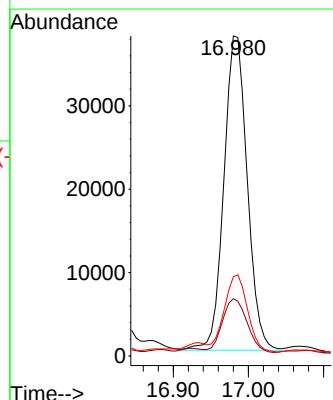
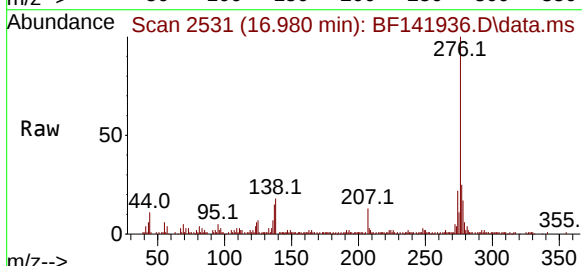
Tgt Ion:276 Resp: 81516

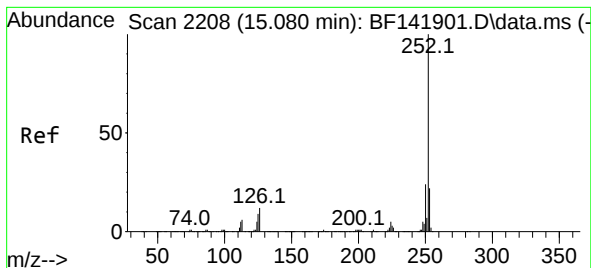
Ion Ratio Lower Upper

276 100

138 4.8 18.4 27.6#

277 4.6 20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 7.708 ng m

RT: 15.074 min Scan# 211903

Delta R.T. -0.006 min

Lab File: BF141936.D

Acq: 12 Mar 2025 12:45

Instrument :

BNA_F

ClientSampleId :

OR-363-COMP-17

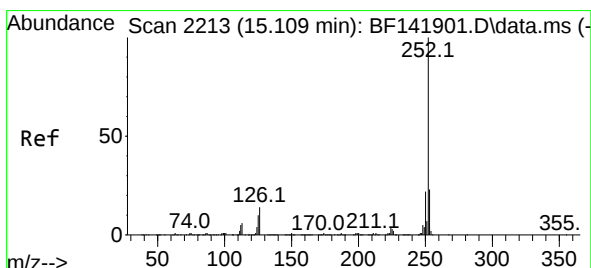
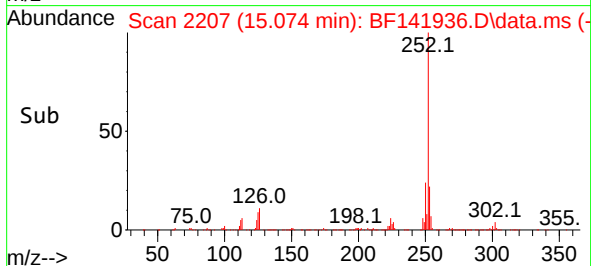
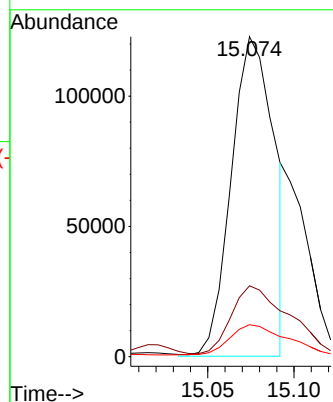
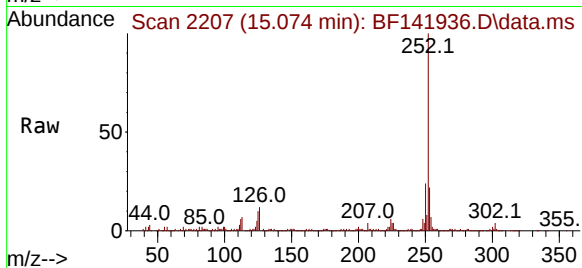
Tgt Ion:252 Resp: 211903

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.0 7.0 10.4



#89

Benzo(k)fluoranthene

Concen: 2.887 ng m

RT: 15.092 min Scan# 2210

Delta R.T. -0.018 min

Lab File: BF141936.D

Acq: 12 Mar 2025 12:45

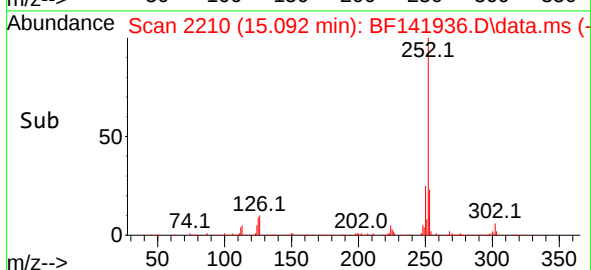
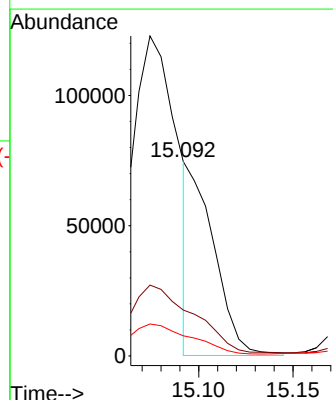
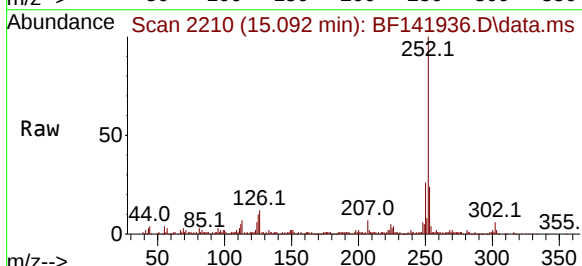
Tgt Ion:252 Resp: 67913

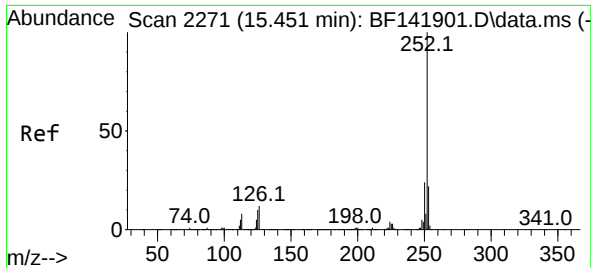
Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 10.3 7.2 10.8

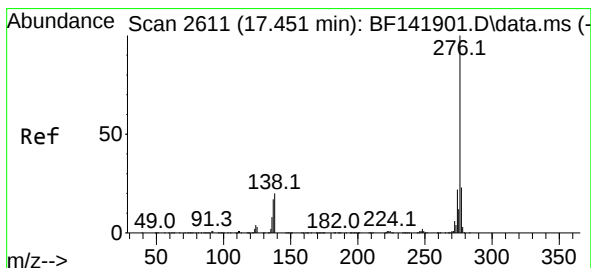
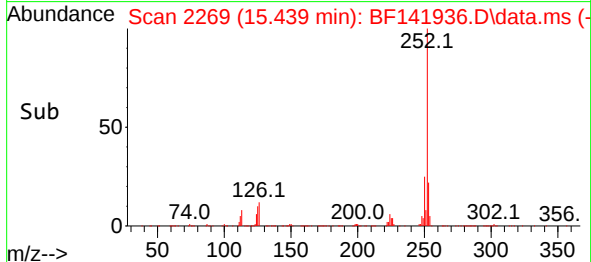
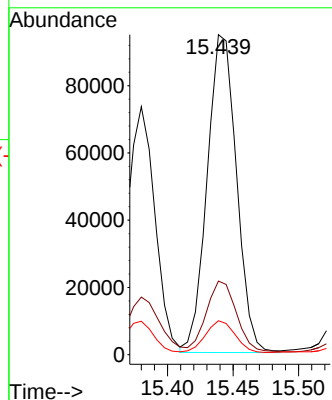
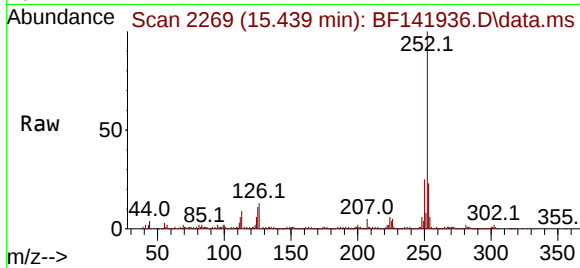




#90
Benzo(a)pyrene
Concen: 6.856 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

Tgt Ion:252 Resp: 147465
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 10.6 7.8 11.8



#92
Benzo(g,h,i)perylene
Concen: 3.589 ng
RT: 17.433 min Scan# 2608
Delta R.T. -0.018 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

Tgt Ion:276 Resp: 75936
Ion Ratio Lower Upper
276 100
277 24.2 18.7 28.1
138 19.6 15.8 23.8

