

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)

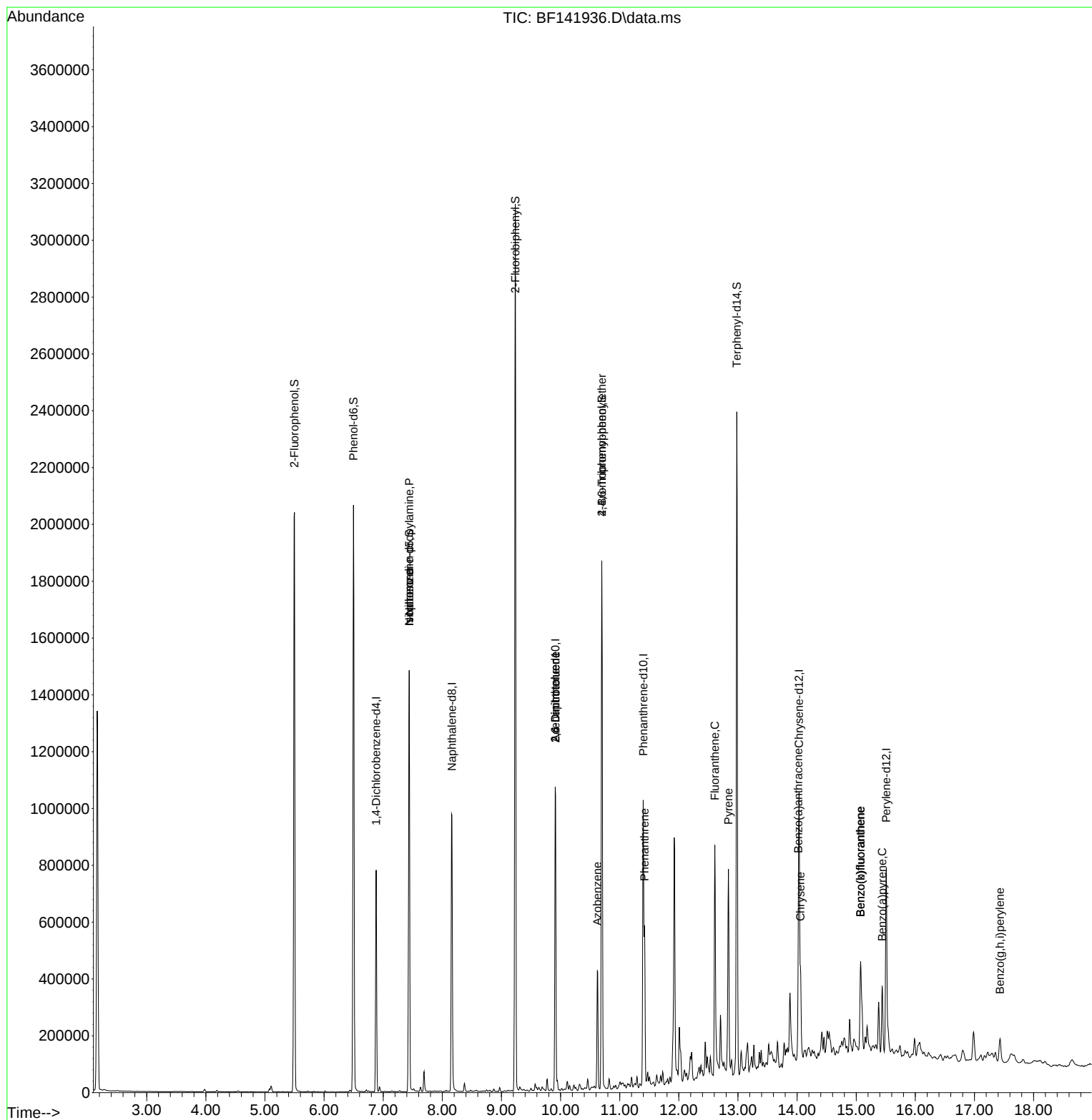
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	159746	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	649108	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	326082	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	496588	20.000	ng	0.00
76) Chrysene-d12	14.033	240	348598	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.439	70	91379	11.669	ng	# 79
25) Isophorone	7.439	82	653602	32.057	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	43464	9.142	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	43656	7.030	ng	# 24
63) Azobenzene	10.622	77	106413	5.027	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	20187	3.237	ng	# 1
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
88) Benzo(b)fluoranthene	15.074	252	276245	10.049	ng	99
89) Benzo(k)fluoranthene	15.074	252	276245	11.742	ng	99
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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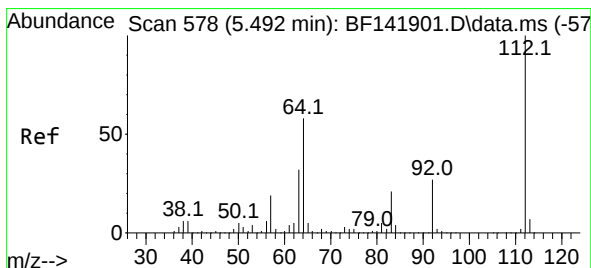
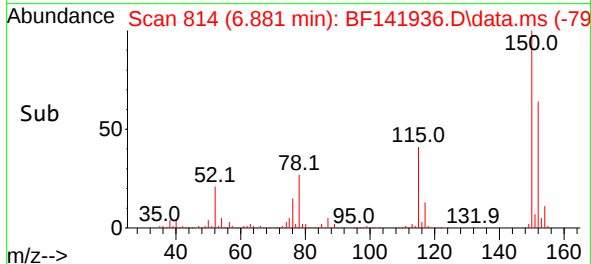
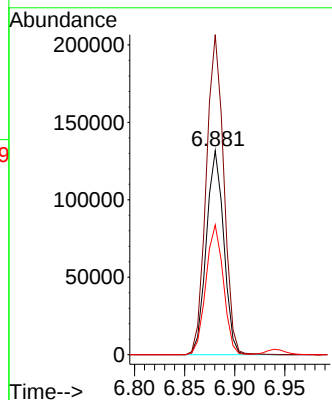
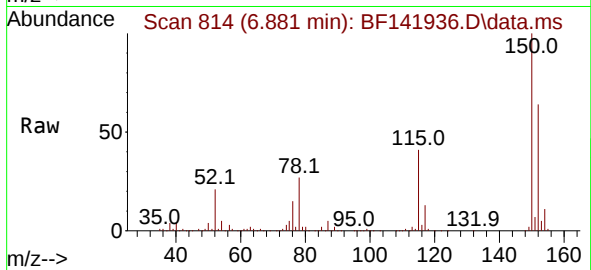




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

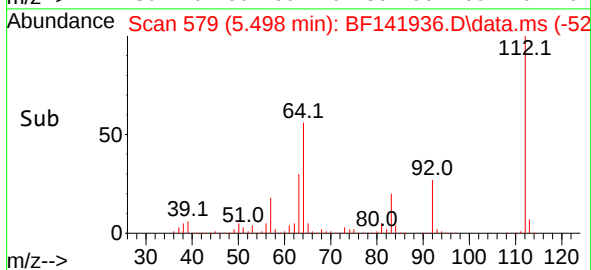
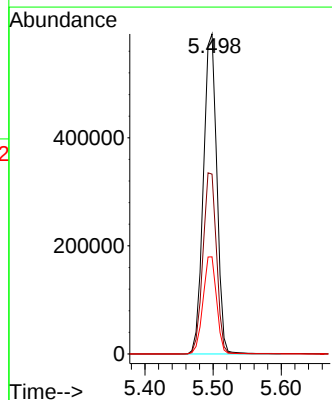
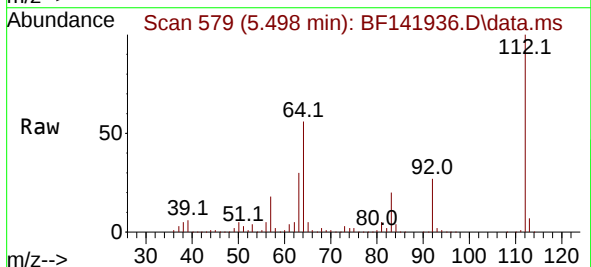
Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

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

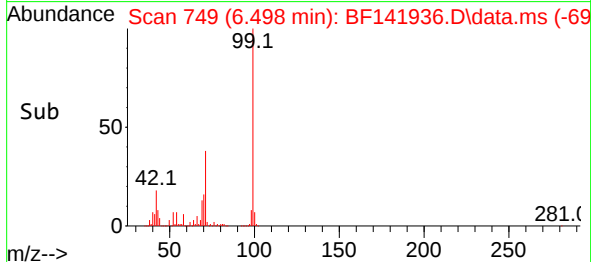
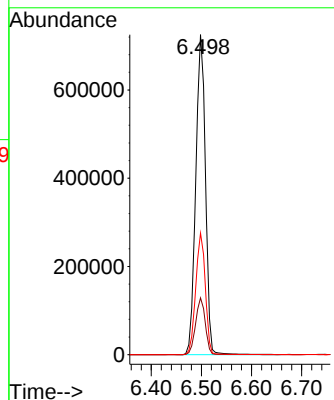
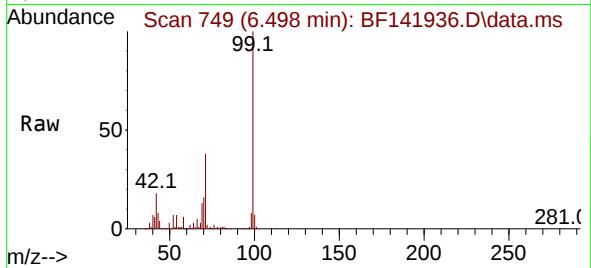




#7
Phenol-d6
Concen: 79.944 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

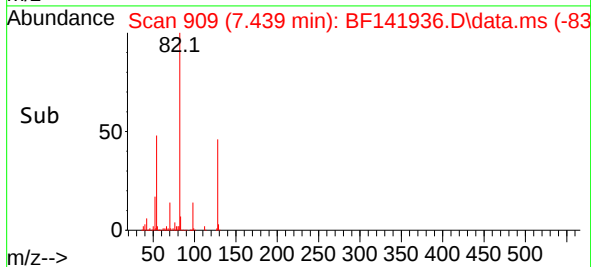
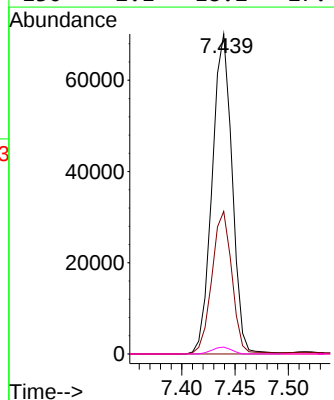
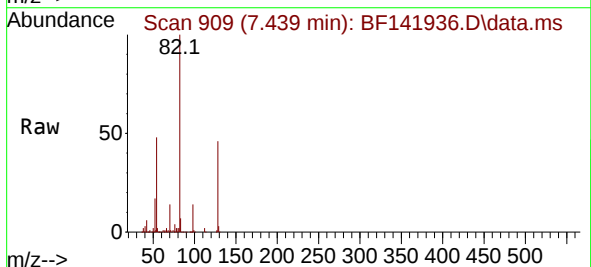
Instrument :
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ClientSampleId :
OR-363-COMP-17

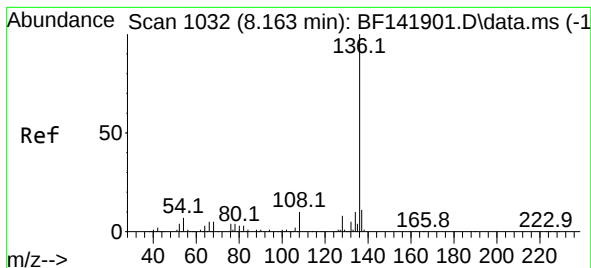
Tgt Ion: 99 Resp: 974260
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 38.0 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.669 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

Tgt Ion: 70 Resp: 91379
Ion Ratio Lower Upper
70 100
42 44.6 41.4 62.0
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

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:136 Resp: 649108

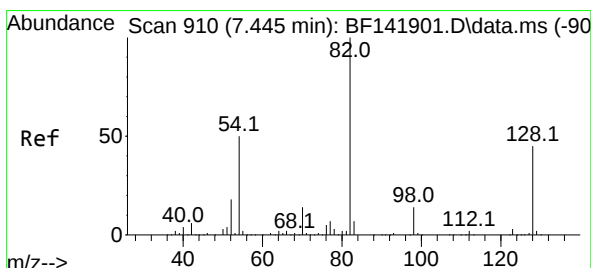
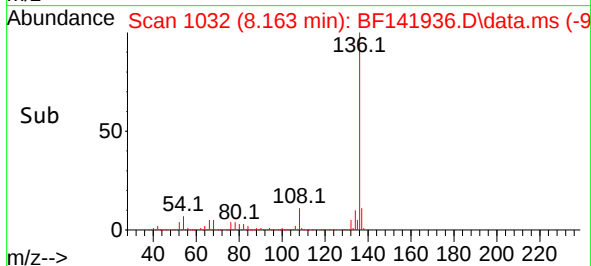
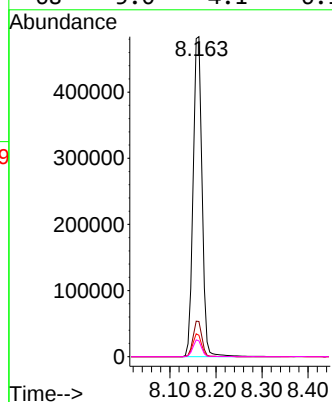
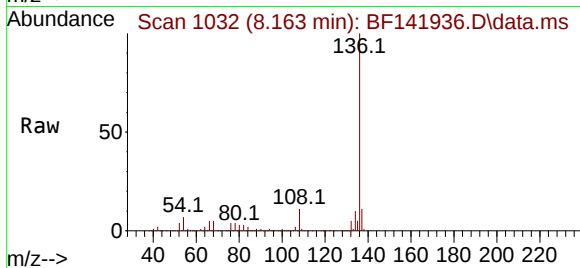
Ion Ratio Lower Upper

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

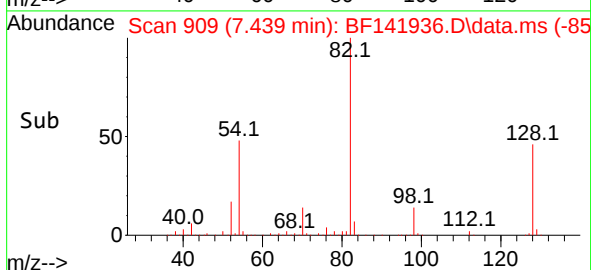
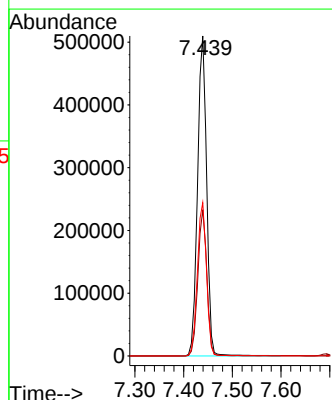
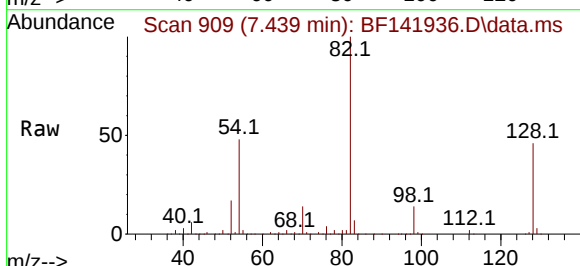
Tgt Ion: 82 Resp: 667322

Ion Ratio Lower Upper

82 100

128 45.7 36.0 54.0

54 47.9 39.6 59.4

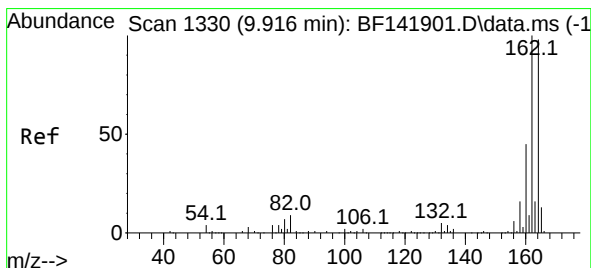
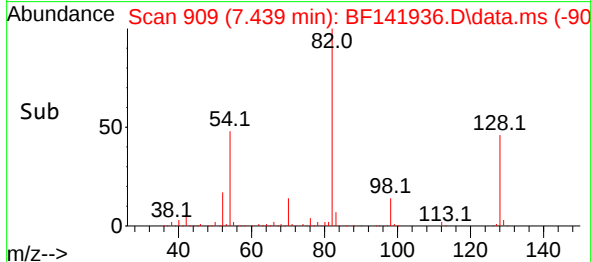
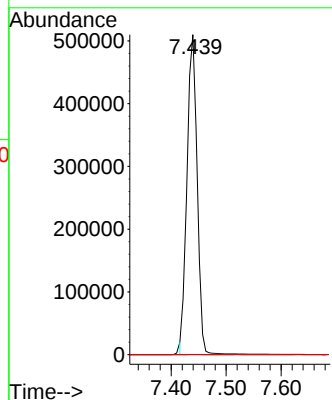
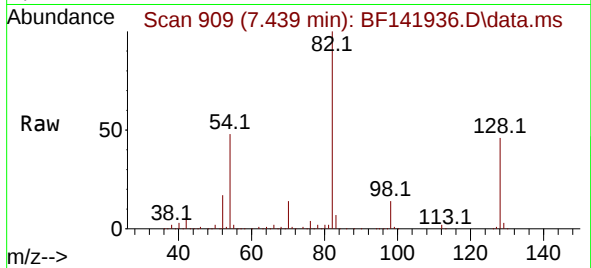




#25
Isophorone
Concen: 32.057 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

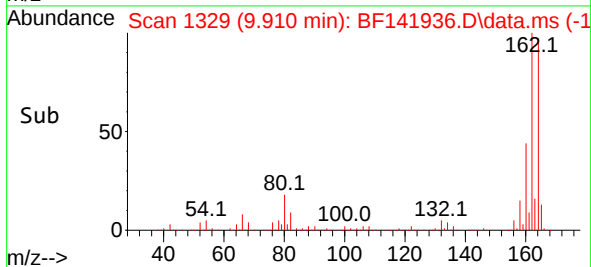
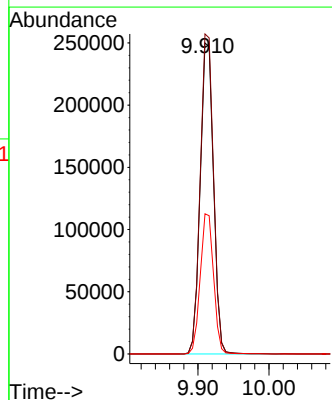
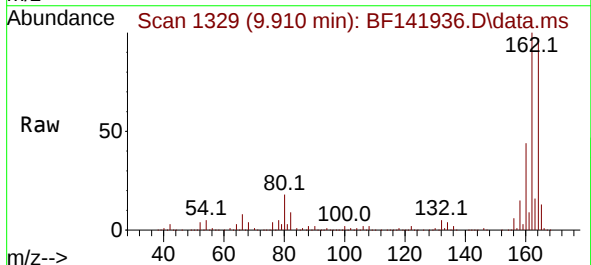
Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

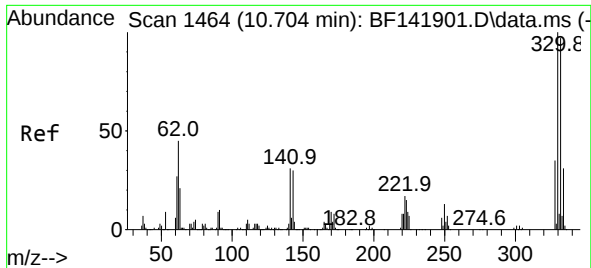
Tgt Ion: 82 Resp: 653602
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#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

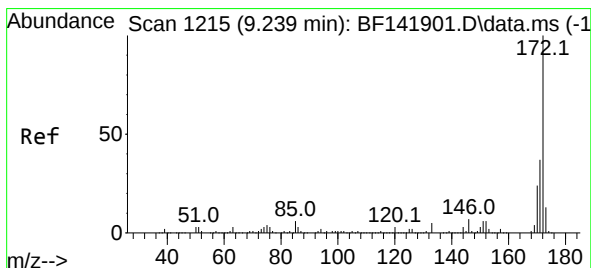
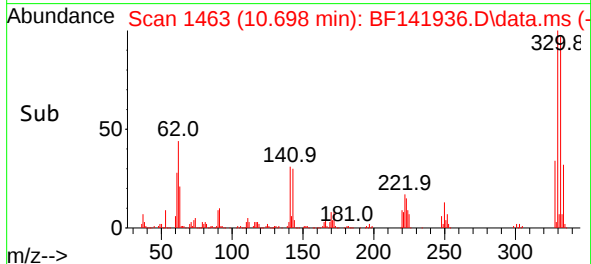
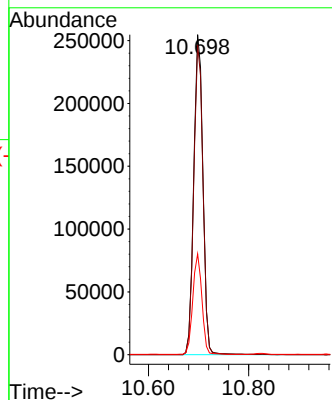
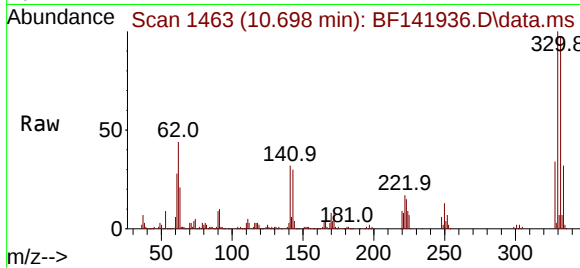




#42
2,4,6-Tribromophenol
Concen: 78.273 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

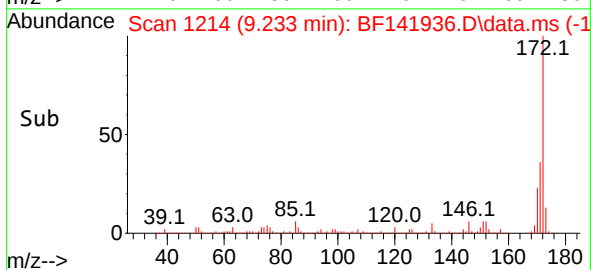
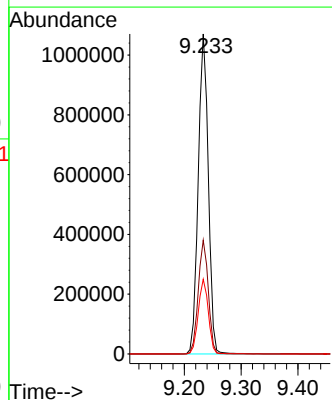
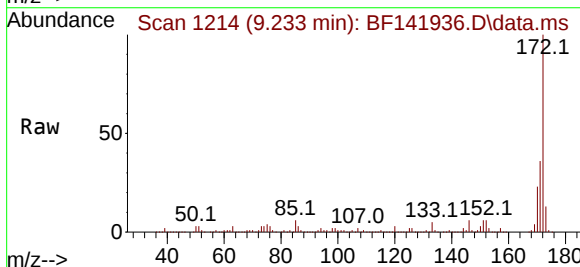
Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

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

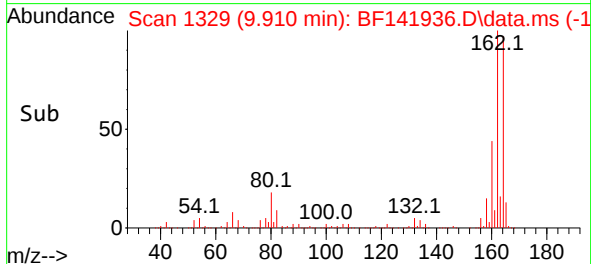
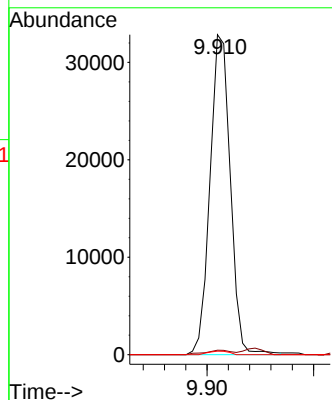
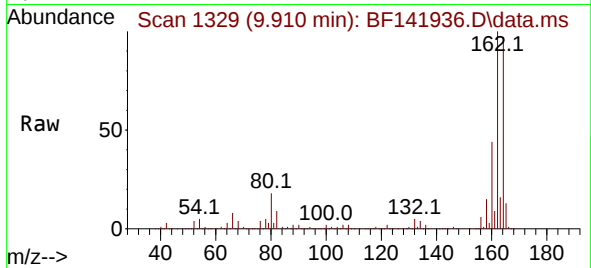




#51
2,6-Dinitrotoluene
Concen: 9.142 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

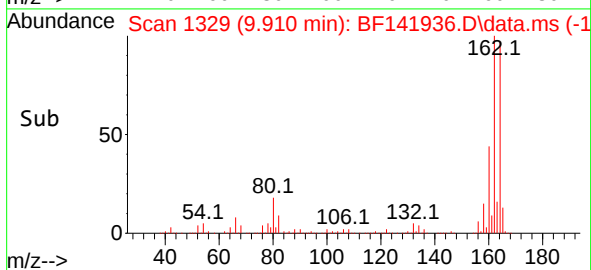
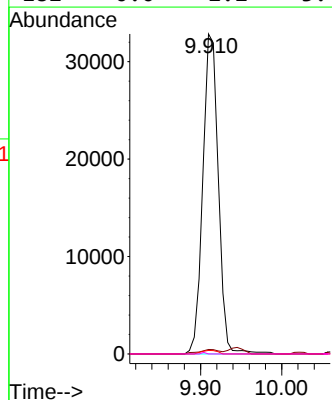
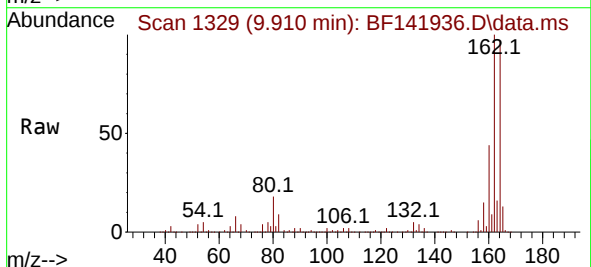
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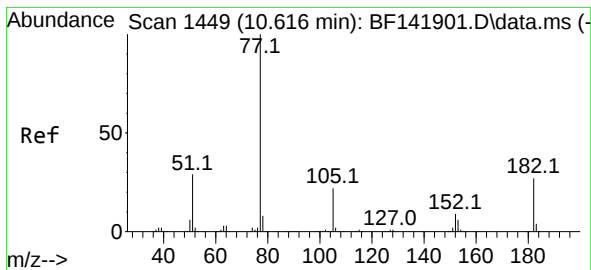
Tgt Ion:165 Resp: 43464
Ion Ratio Lower Upper
165 100
63 1.4 47.0 70.4#
89 1.1 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 7.030 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

Tgt Ion:165 Resp: 43656
Ion Ratio Lower Upper
165 100
63 1.4 35.4 53.2#
89 1.1 56.6 84.8#
182 0.0 2.2 3.4#



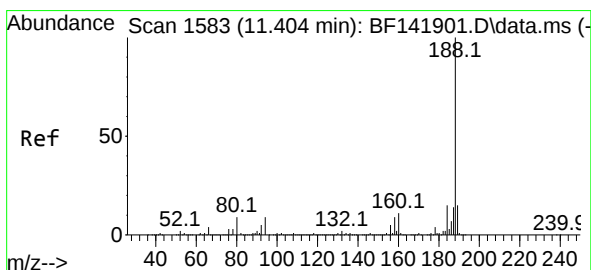
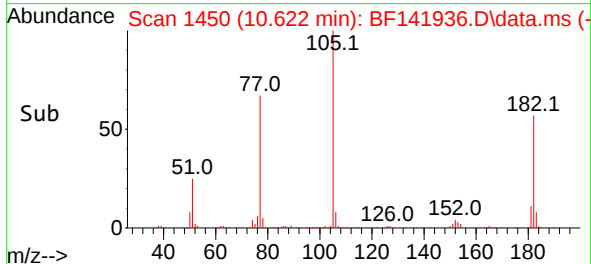
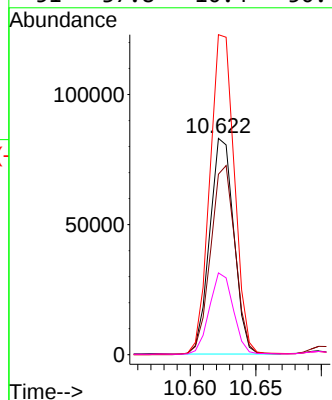
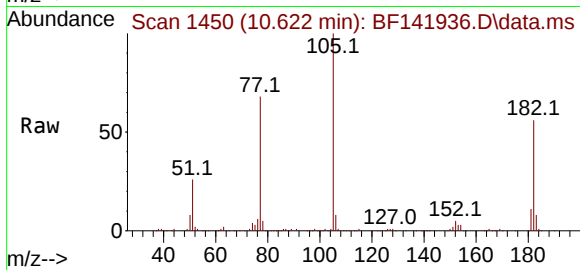


#63
Azobenzene
Concen: 5.027 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

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

Tgt Ion: 77 Resp: 106413

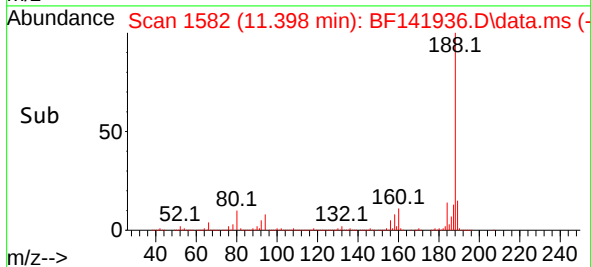
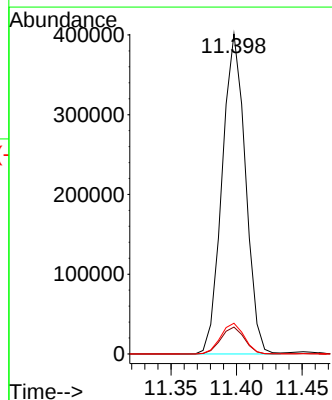
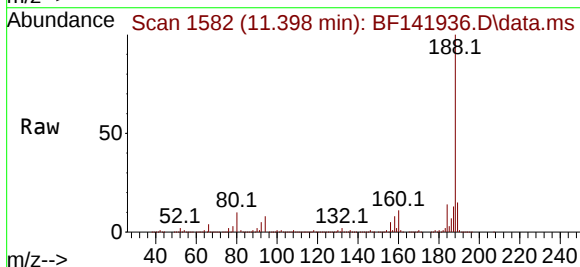
Ion	Ratio	Lower	Upper
77	100		
182	83.4	6.6	46.6#
105	147.9	1.3	41.3#
51	37.8	10.4	50.4

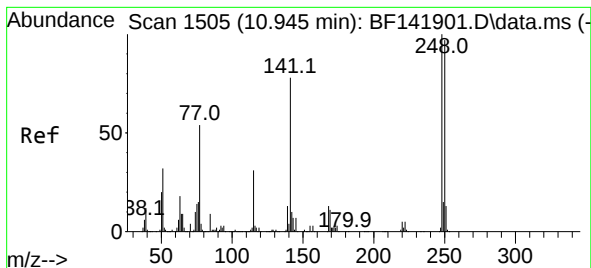


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

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

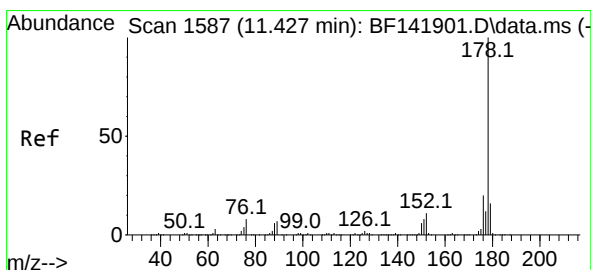
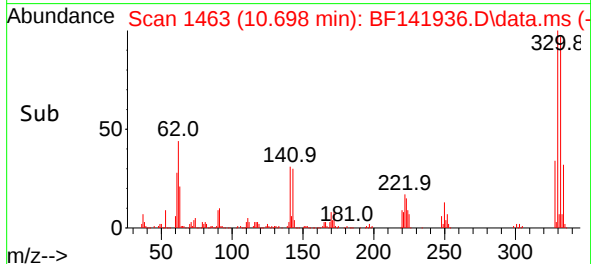
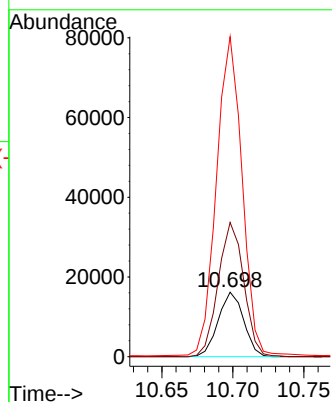
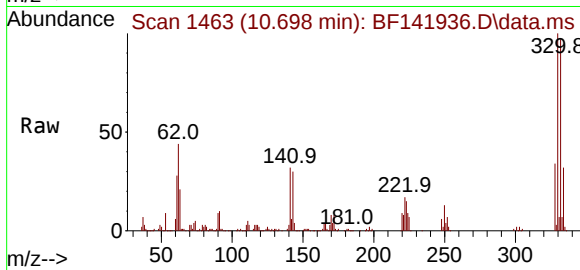




#67
4-Bromophenyl-phenylether
Concen: 3.237 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

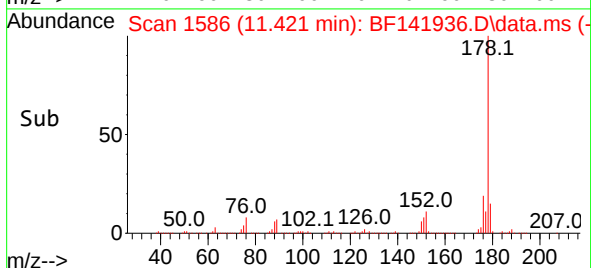
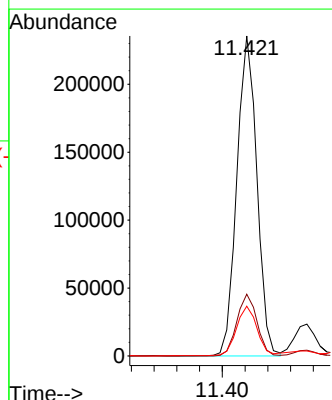
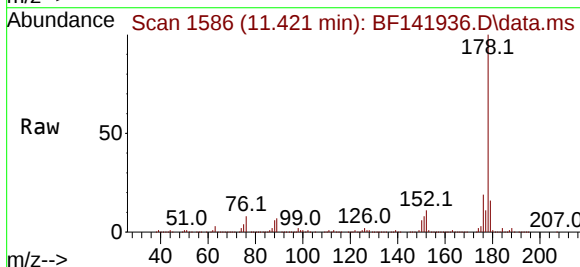
Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

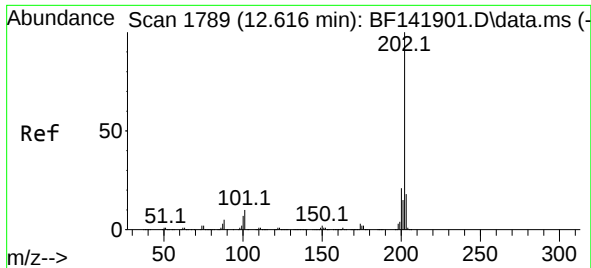
Tgt Ion:248 Resp: 20187
Ion Ratio Lower Upper
248 100
250 208.0 77.8 116.8#
141 495.8 62.6 93.8#



#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

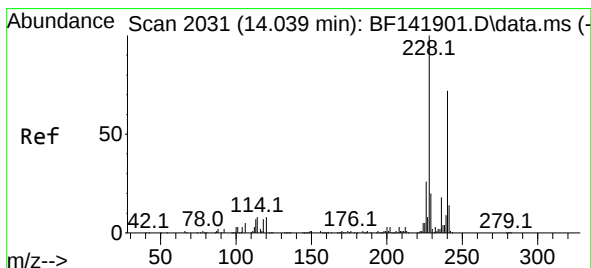
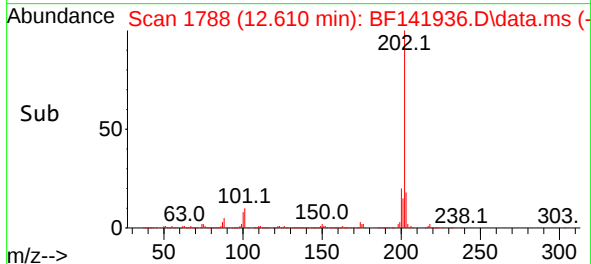
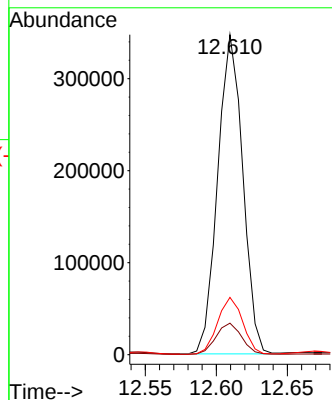
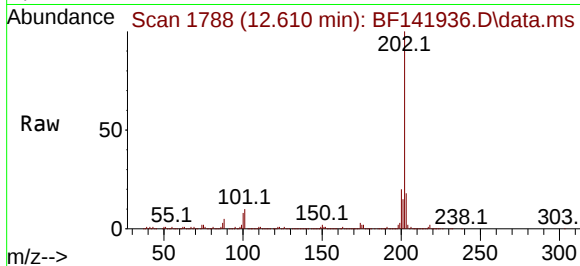




#75
Fluoranthene
Concen: 14.969 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

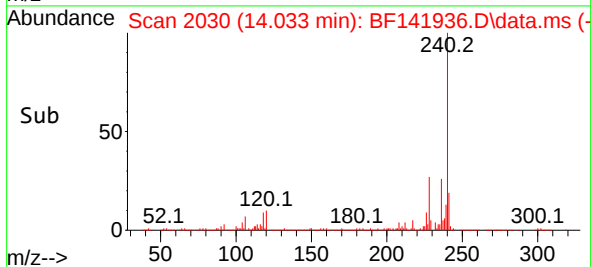
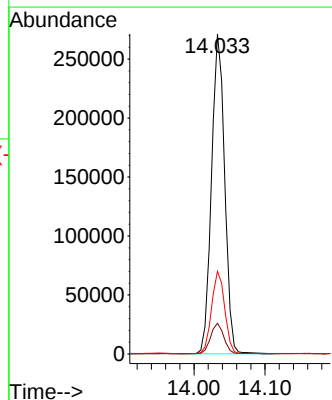
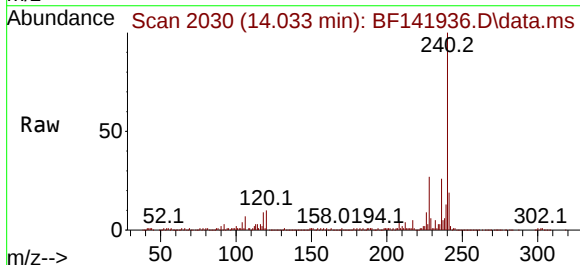
Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

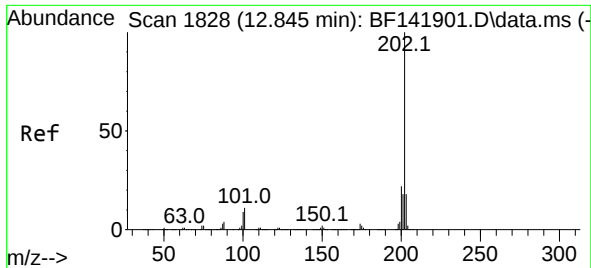
Tgt Ion:202 Resp: 425900
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.7
203 17.9 0.0 37.8



#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

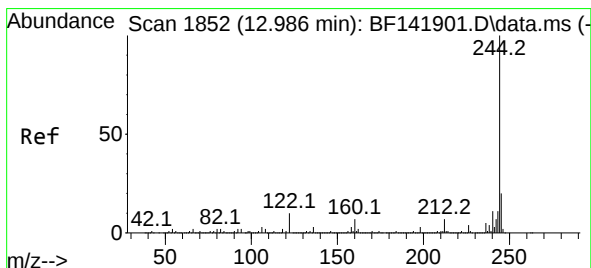
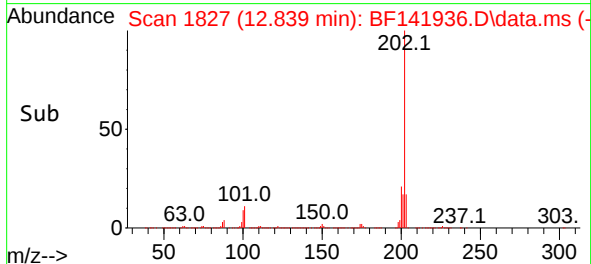
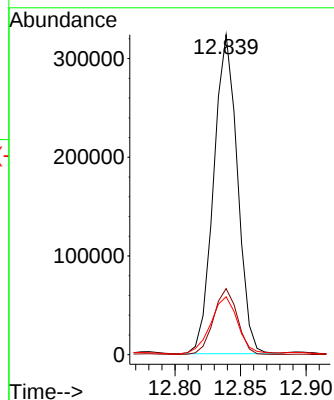
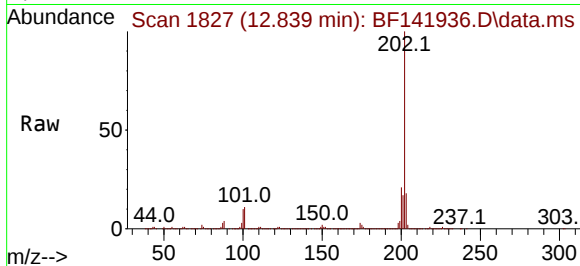




#78
Pyrene
Concen: 13.526 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

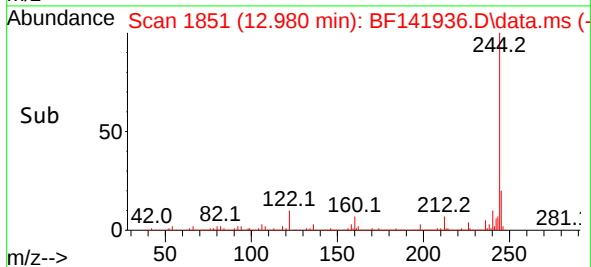
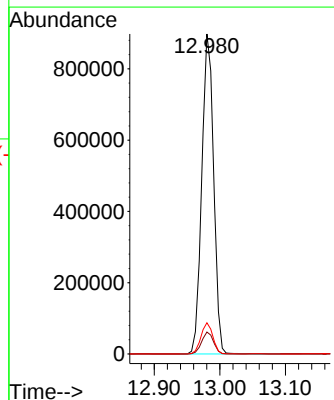
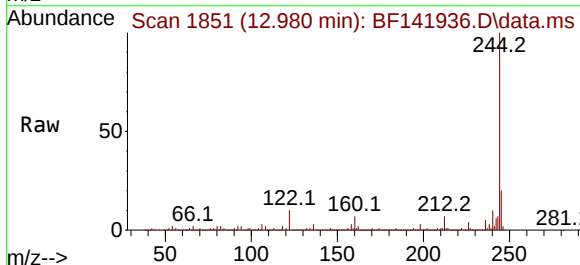
Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

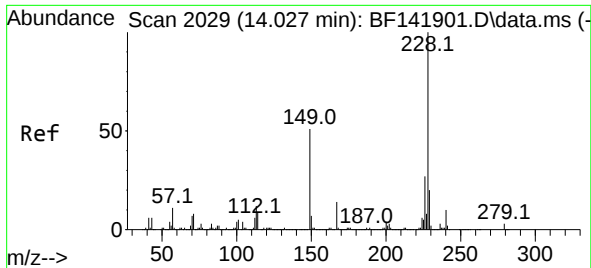
Tgt Ion:202 Resp: 407854
Ion Ratio Lower Upper
202 100
200 20.7 17.3 25.9
203 18.1 14.4 21.6



#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

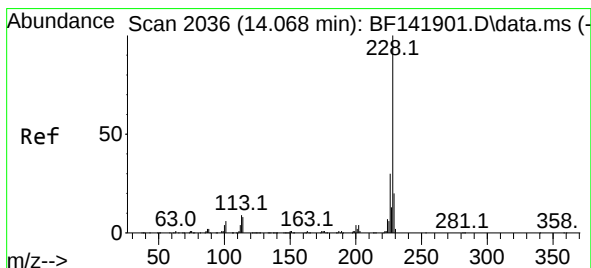
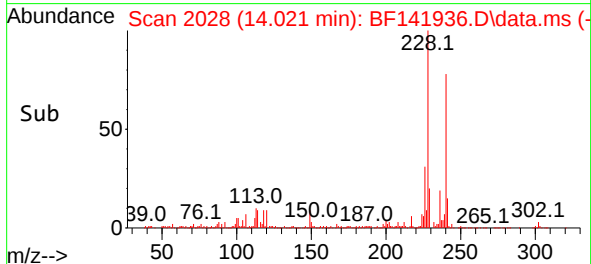
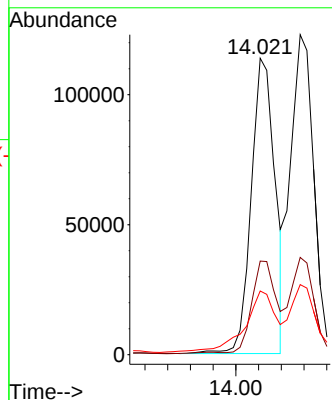
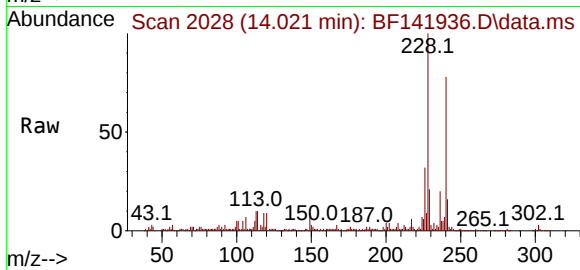




#81
Benzo(a)anthracene
Concen: 7.233 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF141936.D
Acq: 12 Mar 2025 12:45

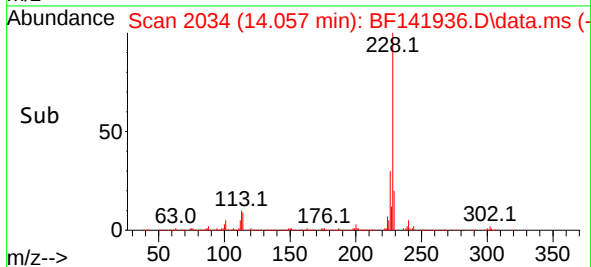
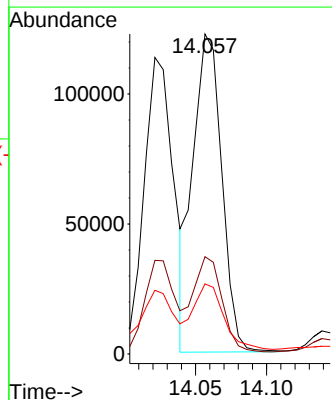
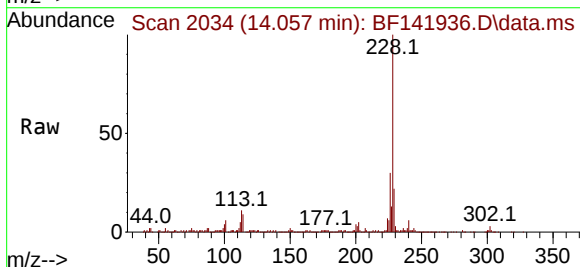
Instrument :
BNA_F
ClientSampleId :
OR-363-COMP-17

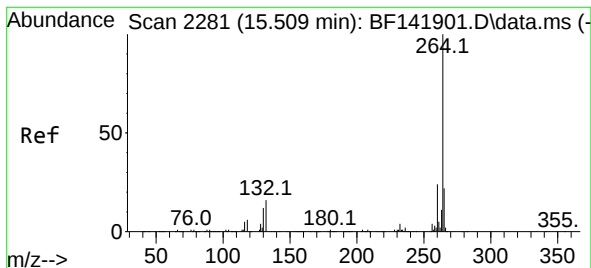
Tgt Ion:228 Resp: 165464
Ion Ratio Lower Upper
228 100
226 31.6 21.8 32.8
229 21.5 16.0 24.0



#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

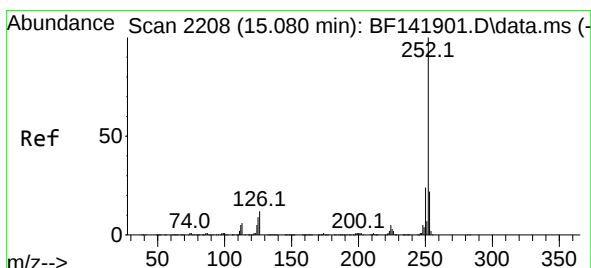
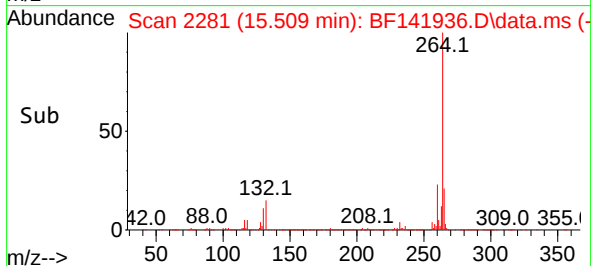
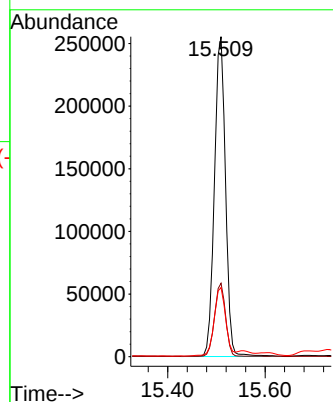
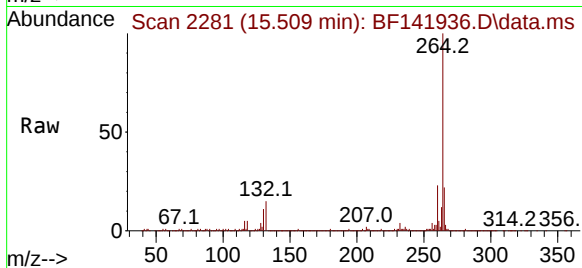
Tgt Ion:264 Resp: 401108

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

265 21.6 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 10.049 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141936.D

Acq: 12 Mar 2025 12:45

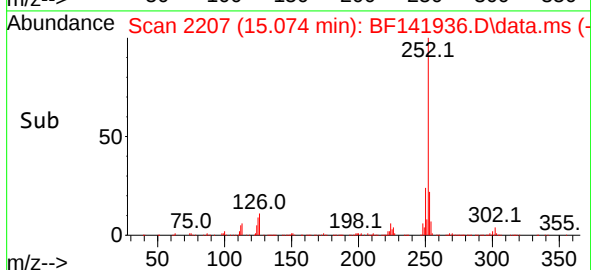
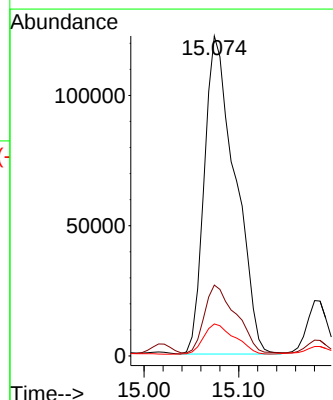
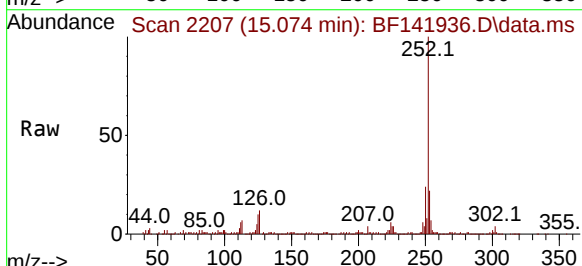
Tgt Ion:252 Resp: 276245

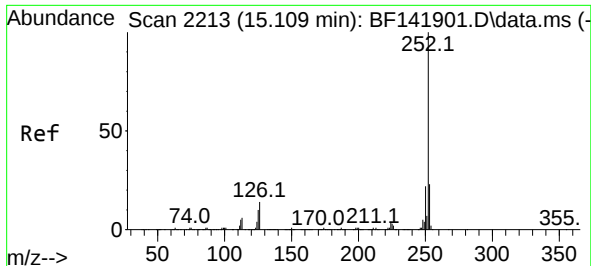
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.0 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 11.742 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141936.D

Acq: 12 Mar 2025 12:45

Instrument :

BNA_F

ClientSampleId :

OR-363-COMP-17

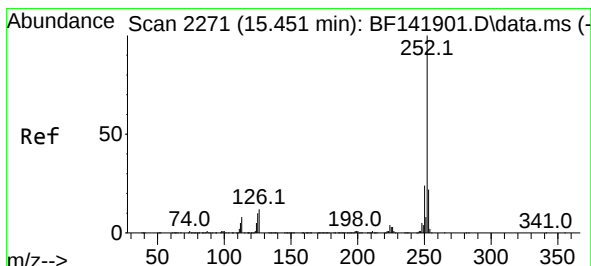
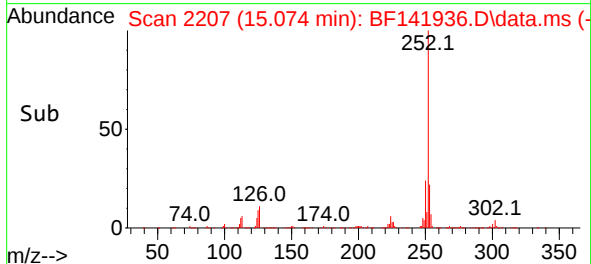
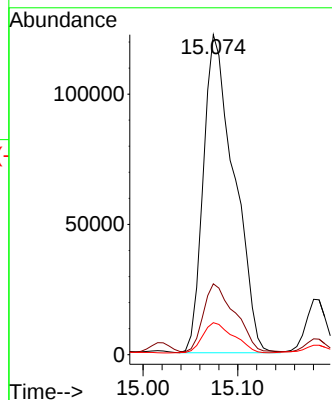
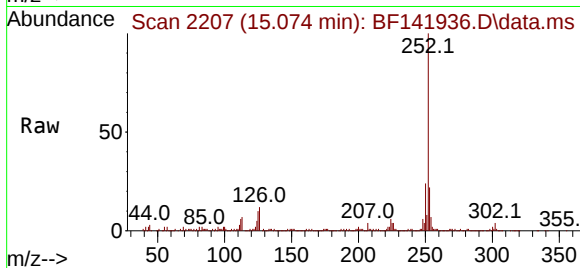
Tgt Ion:252 Resp: 276245

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 10.0 7.2 10.8



#90

Benzo(a)pyrene

Concen: 6.856 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.012 min

Lab File: BF141936.D

Acq: 12 Mar 2025 12:45

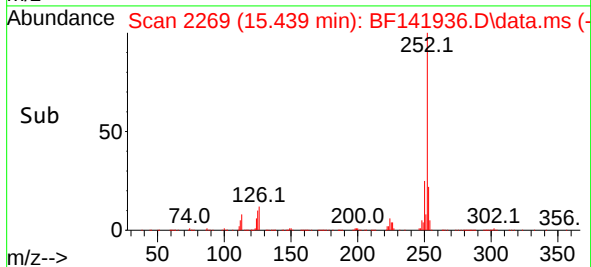
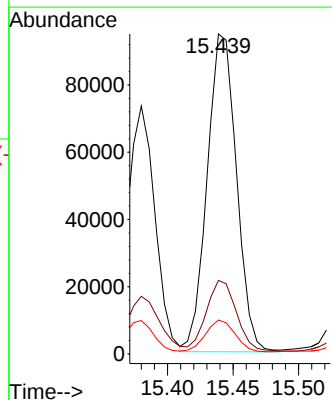
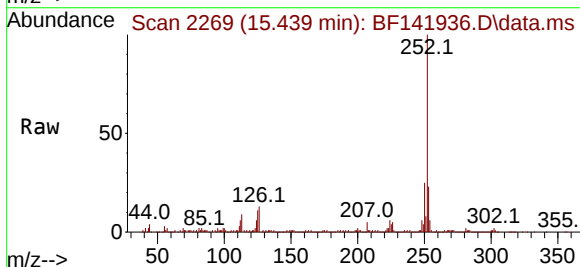
Tgt Ion:252 Resp: 147465

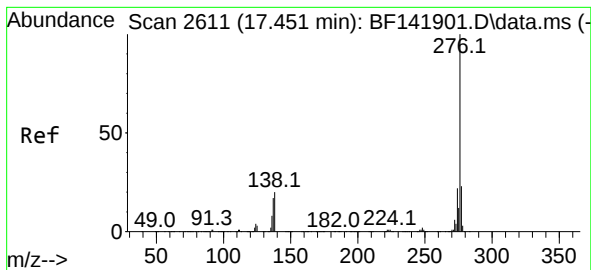
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

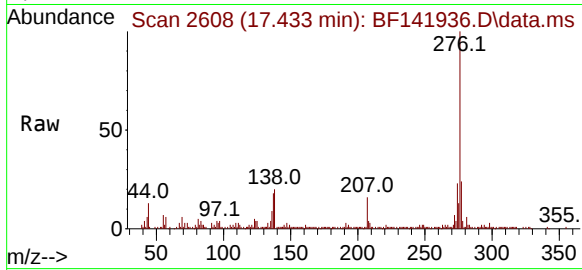
125 10.6 7.8 11.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.589 ng
 RT: 17.433 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF141936.D
 Acq: 12 Mar 2025 12:45

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



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

