

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141925.D
 Acq On : 11 Mar 2025 19:42
 Operator : RC/JU
 Sample : Q1534-07 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-17

Quant Time: Mar 12 01:16:14 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)

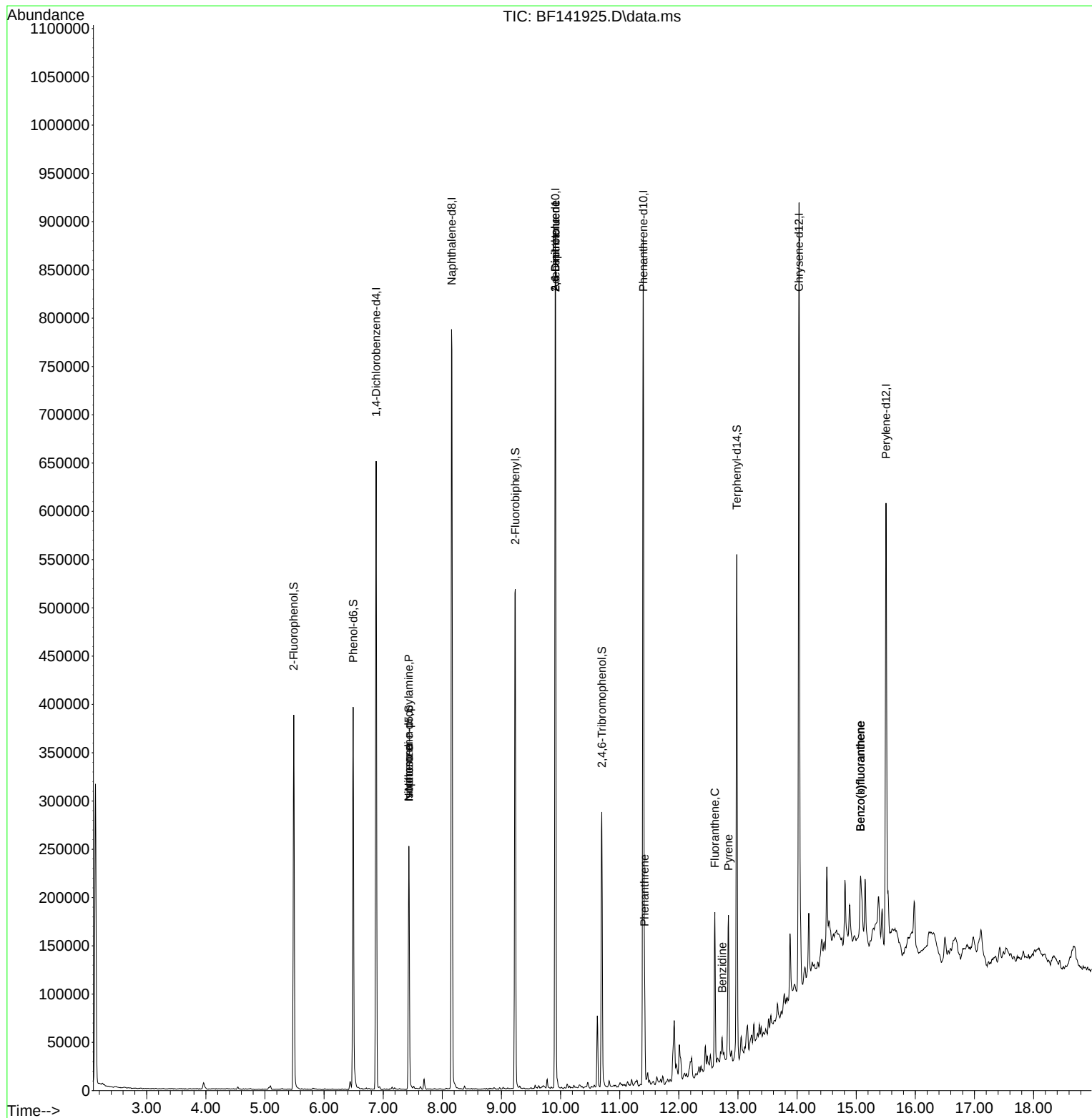
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	135181	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	515947	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	264048	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	436938	20.000	ng	0.00
76) Chrysene-d12	14.033	240	369056	20.000	ng	0.00
86) Perylene-d12	15.504	264	270852	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	146025	18.028	ng	0.00
7) Phenol-d6	6.492	99	182858	17.731	ng	-0.01
23) Nitrobenzene-d5	7.434	82	111176	12.126	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	47510	14.183	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	237027	13.652	ng	0.00
79) Terphenyl-d14	12.980	244	250328	10.028	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	15356	2.317	ng	# 79
25) Isophorone	7.434	82	108642	6.704	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	34813	9.043	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	34813	6.923	ng	# 24
71) Phenanthrene	11.422	178	54518	2.310	ng	98
75) Fluoranthene	12.610	202	88410	3.532	ng	100
77) Benzidine	12.733	184	12748	2.476	ng	# 91
78) Pyrene	12.839	202	86323	2.704	ng	99
88) Benzo(b)fluoranthene	15.074	252	43515	2.344	ng	# 89
89) Benzo(k)fluoranthene	15.074	252	43515	2.739	ng	# 89

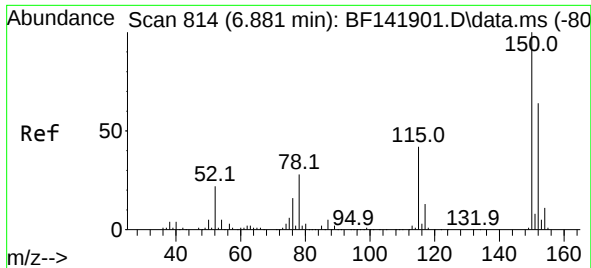
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
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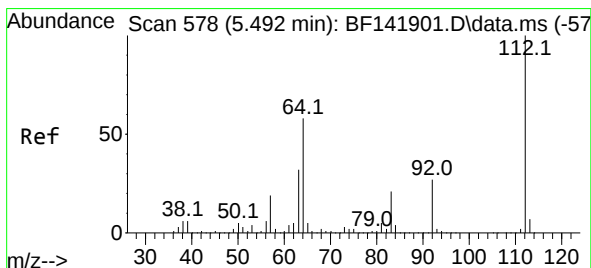
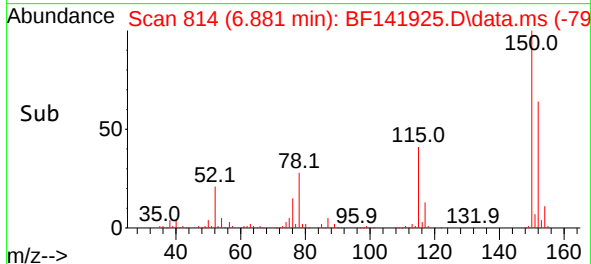
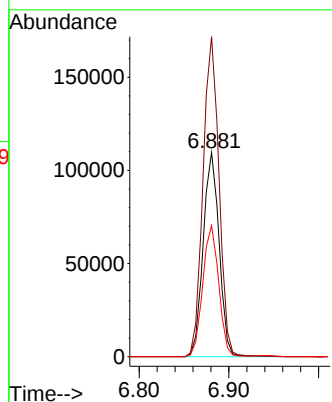
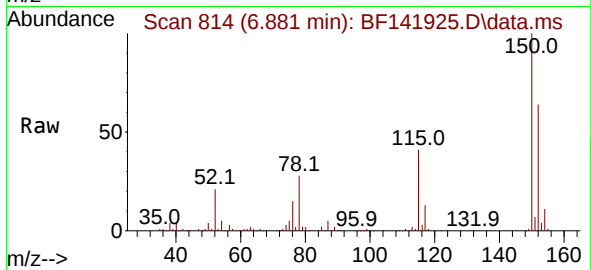




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

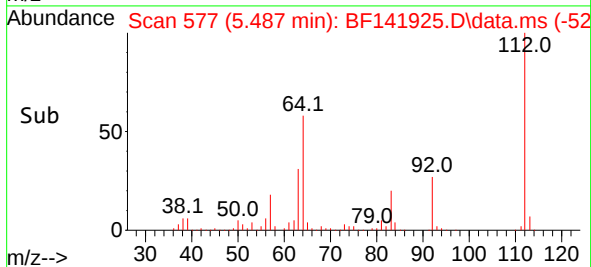
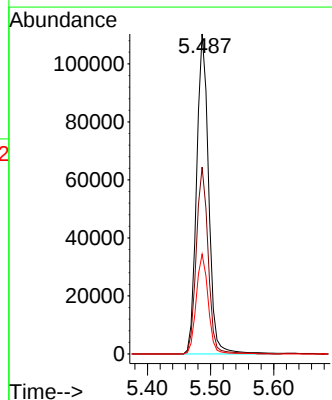
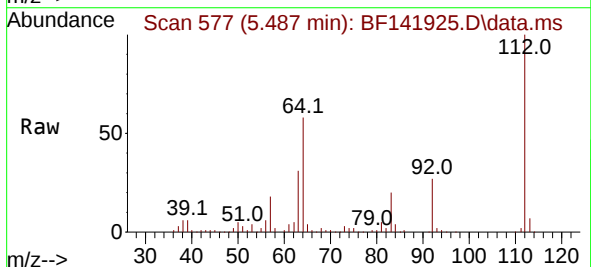
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-17

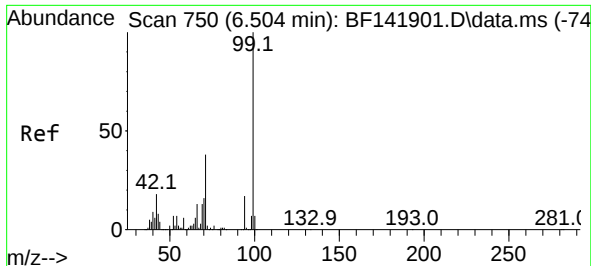
Tgt Ion:152 Resp: 135181
Ion Ratio Lower Upper
152 100
150 156.8 127.4 191.2
115 64.2 51.9 77.9



#5
2-Fluorophenol
Concen: 18.028 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

Tgt Ion:112 Resp: 146025
Ion Ratio Lower Upper
112 100
64 58.4 46.5 69.7
63 31.2 25.4 38.2

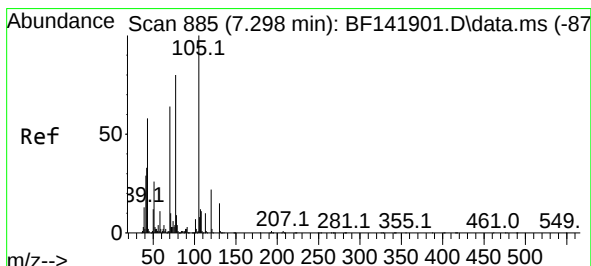
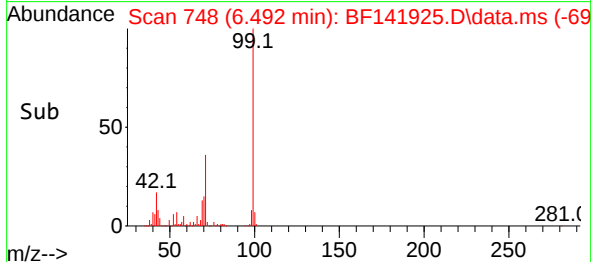
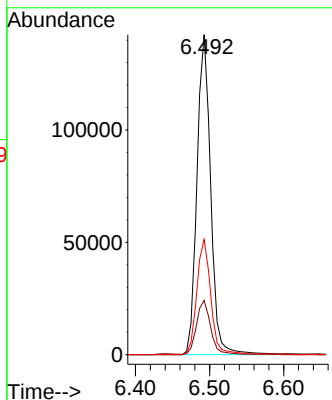
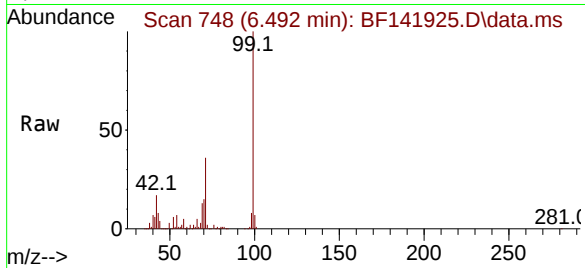




#7
Phenol-d6
Concen: 17.731 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

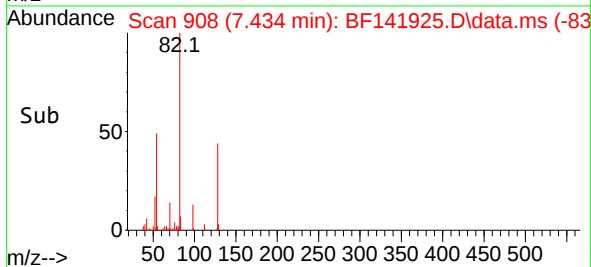
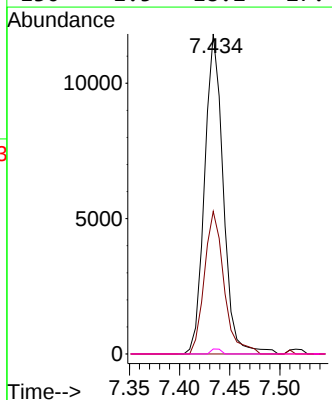
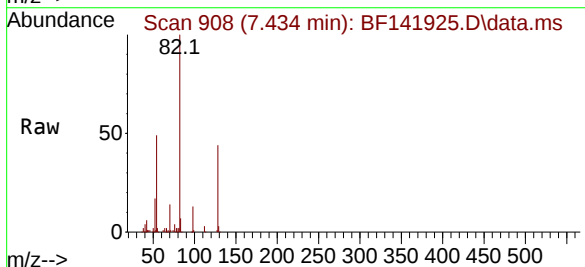
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-17

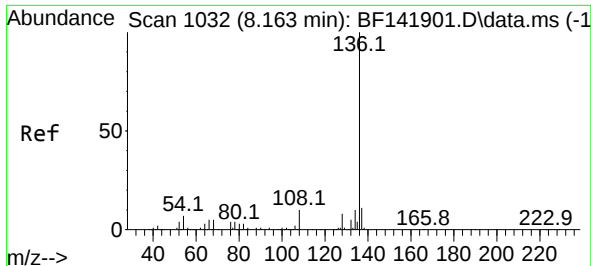
Tgt Ion: 99 Resp: 182858
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 36.0 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.317 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

Tgt Ion: 70 Resp: 15356
Ion Ratio Lower Upper
70 100
42 44.6 41.4 62.0
101 0.0 8.2 12.2#
130 1.5 18.2 27.4#

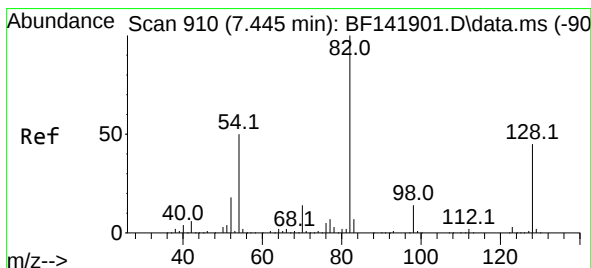
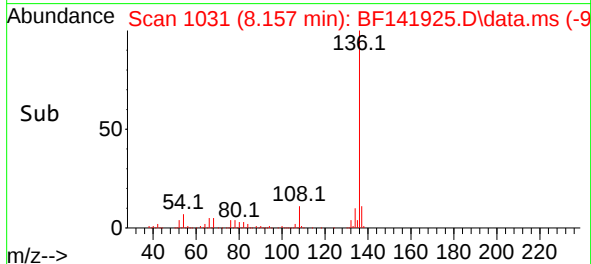
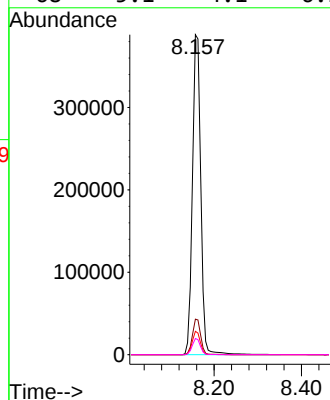
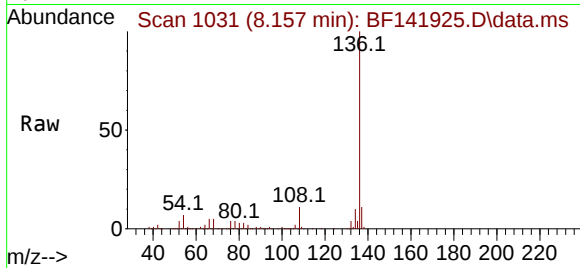




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

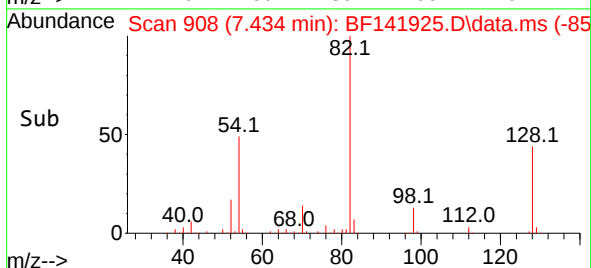
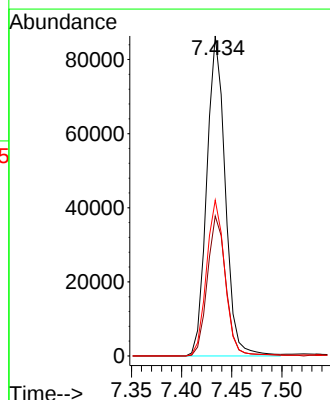
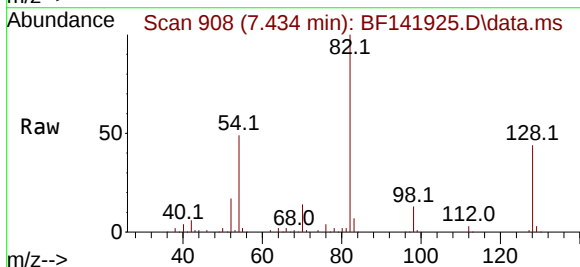
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-17

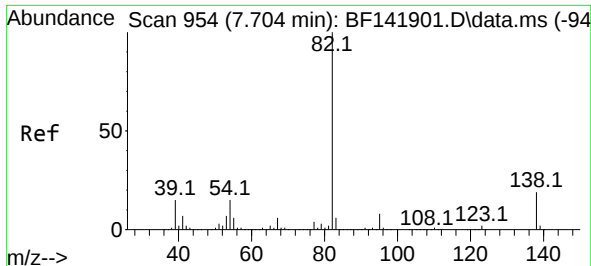
Tgt Ion:136 Resp: 515947
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.3 5.8 8.8
68 5.1 4.1 6.1



#23
Nitrobenzene-d5
Concen: 12.126 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

Tgt Ion: 82 Resp: 111176
Ion Ratio Lower Upper
82 100
128 43.8 36.0 54.0
54 48.7 39.6 59.4

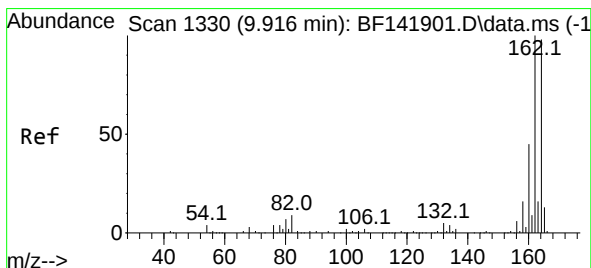
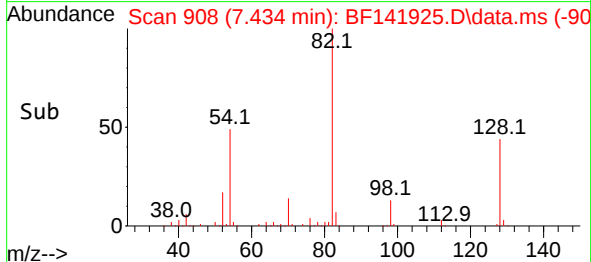
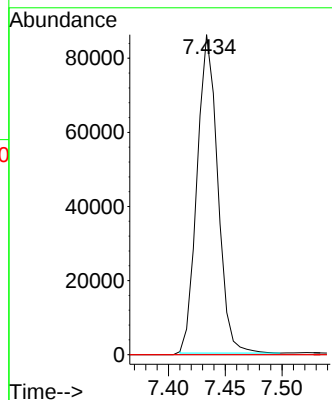
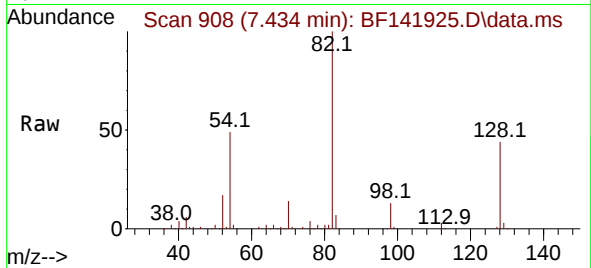




#25
Isophorone
Concen: 6.704 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

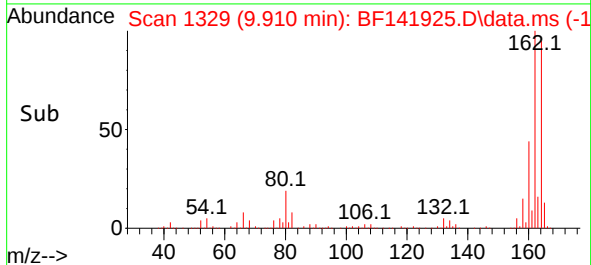
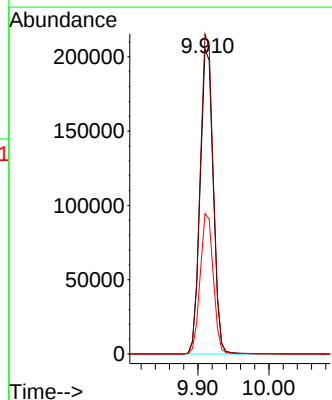
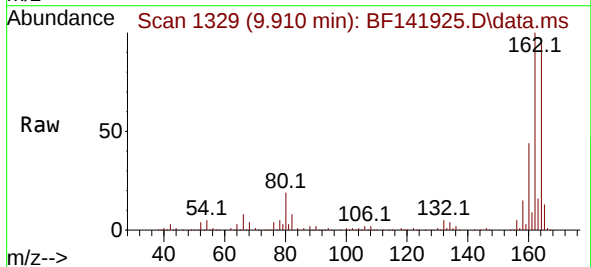
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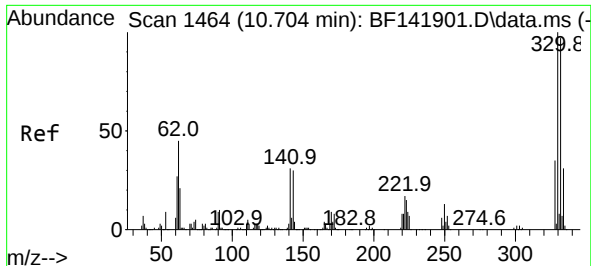
Tgt Ion: 82 Resp: 108642
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

Tgt Ion:164 Resp: 264048
Ion Ratio Lower Upper
164 100
162 104.9 81.8 122.6
160 46.0 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 14.183 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141925.D

Acq: 11 Mar 2025 19:42

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-17

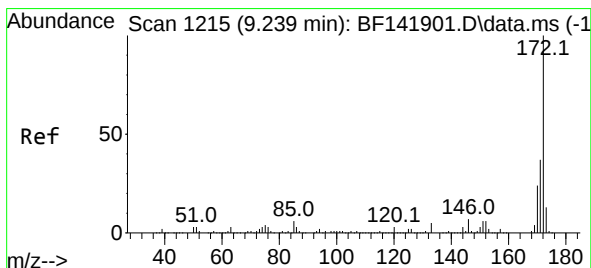
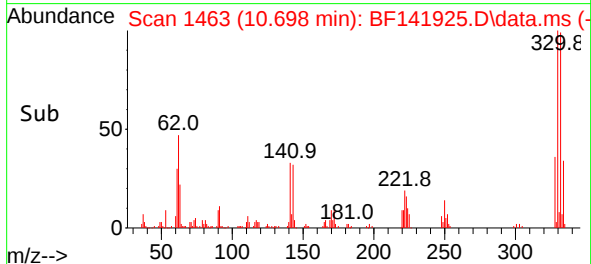
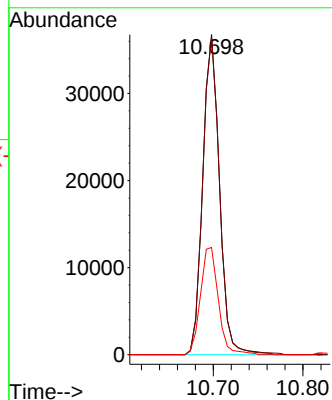
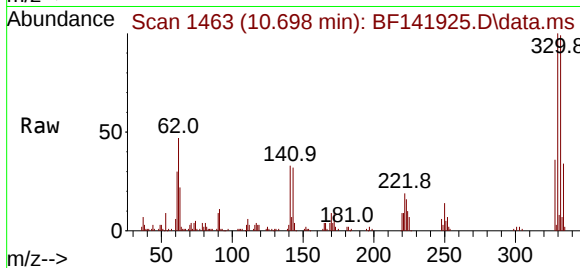
Tgt Ion:330 Resp: 47510

Ion Ratio Lower Upper

330 100

332 100.1 77.6 116.4

141 35.8 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 13.652 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141925.D

Acq: 11 Mar 2025 19:42

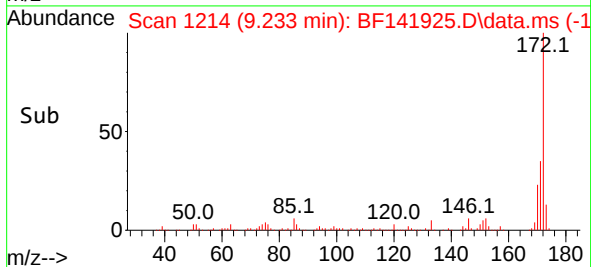
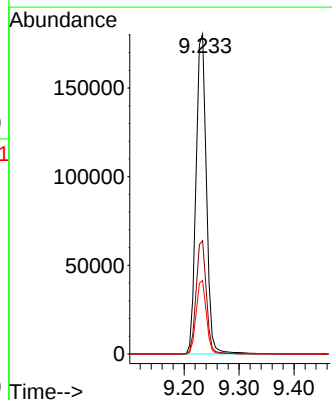
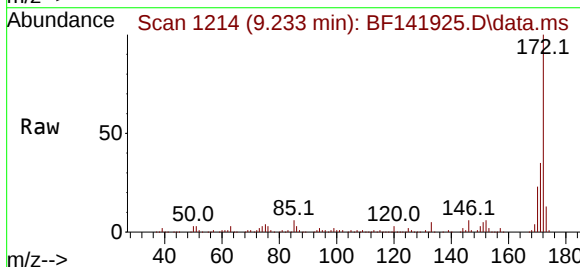
Tgt Ion:172 Resp: 237027

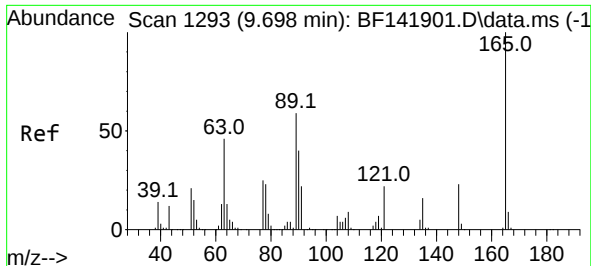
Ion Ratio Lower Upper

172 100

171 35.4 29.3 43.9

170 23.0 19.4 29.0

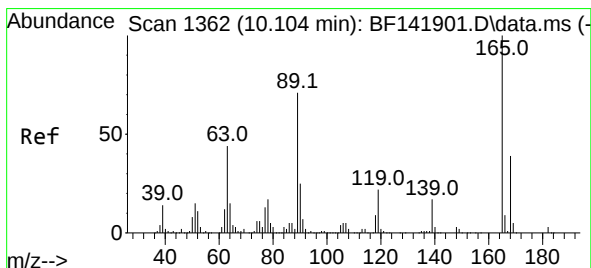
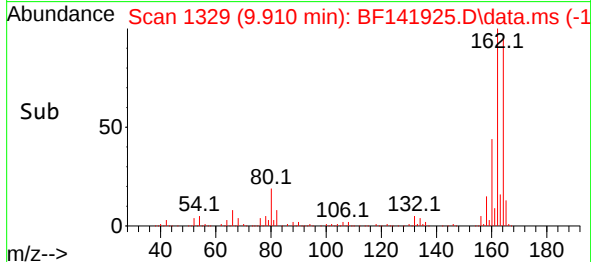
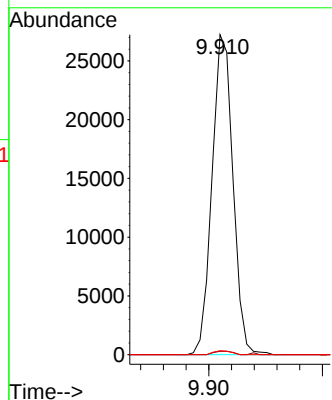
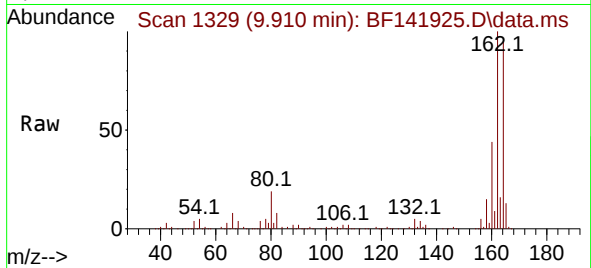




#51
2,6-Dinitrotoluene
Concen: 9.043 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

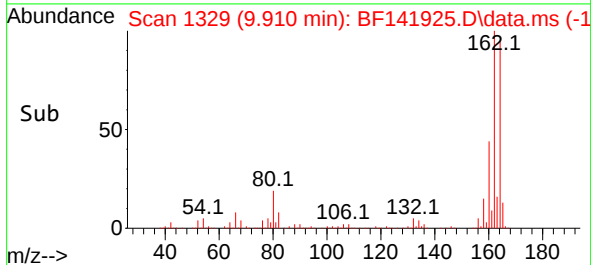
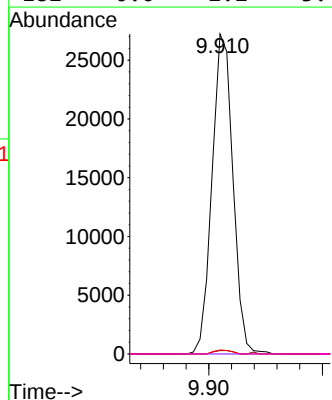
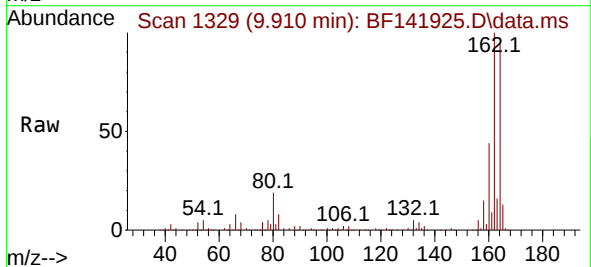
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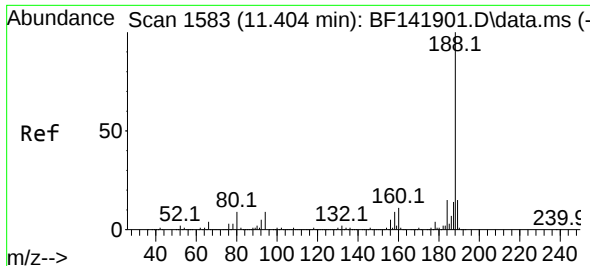
Tgt Ion:165 Resp: 34813
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.923 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

Tgt Ion:165 Resp: 34813
Ion Ratio Lower Upper
165 100
63 1.1 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#

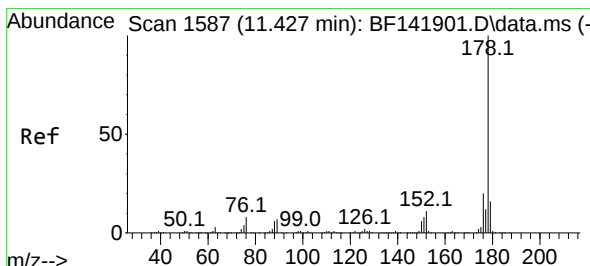
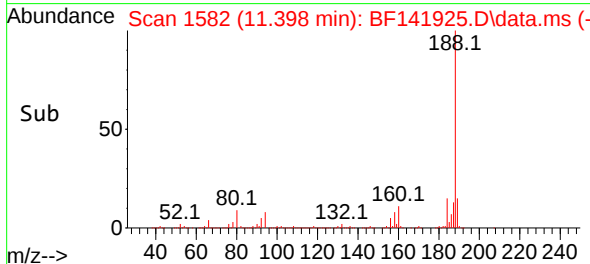
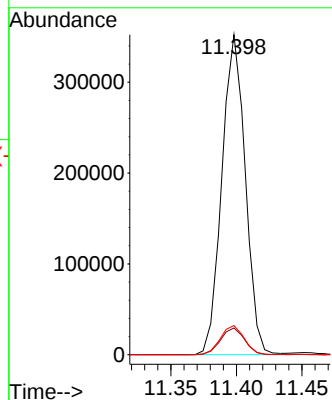
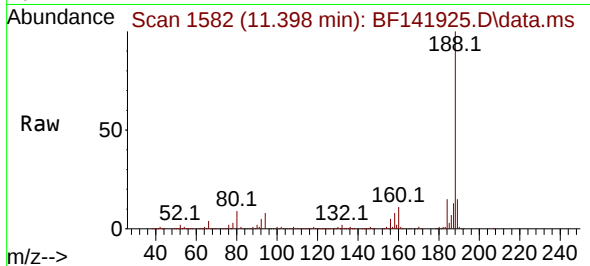




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

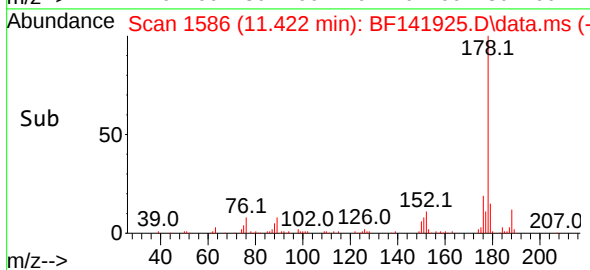
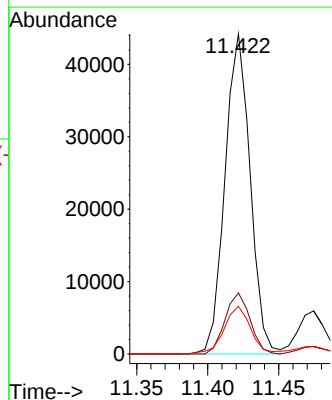
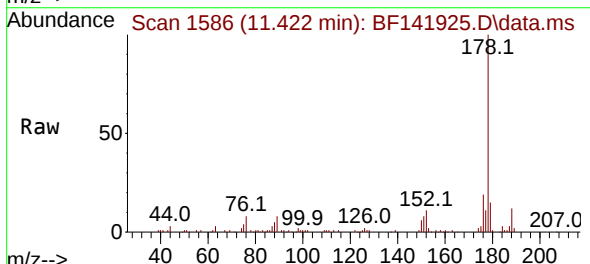
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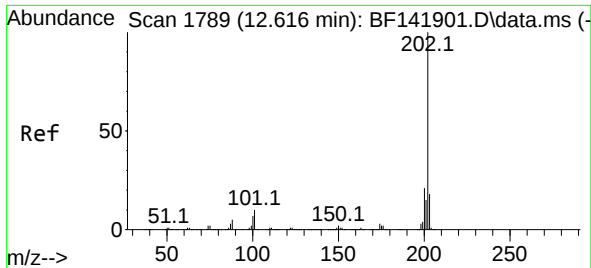
Tgt Ion:188 Resp: 436938
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.1 7.6 11.4



#71
Phenanthrene
Concen: 2.310 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

Tgt Ion:178 Resp: 54518
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 14.9 12.6 19.0

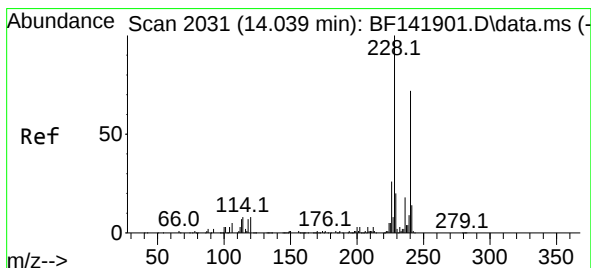
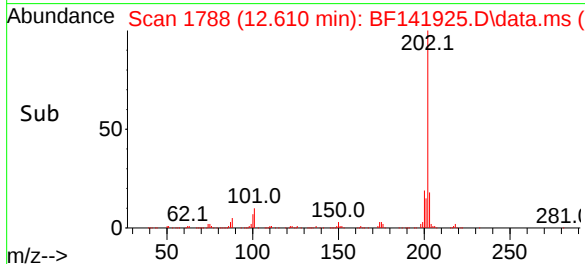
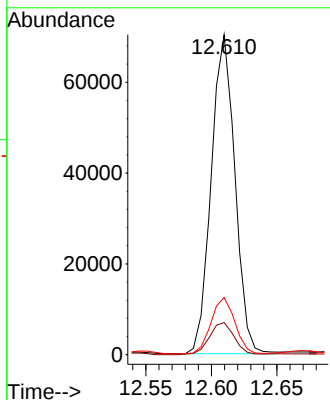
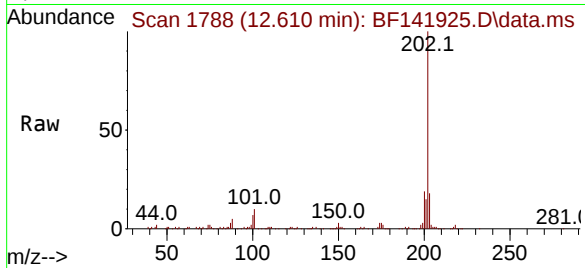




#75
Fluoranthene
Concen: 3.532 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

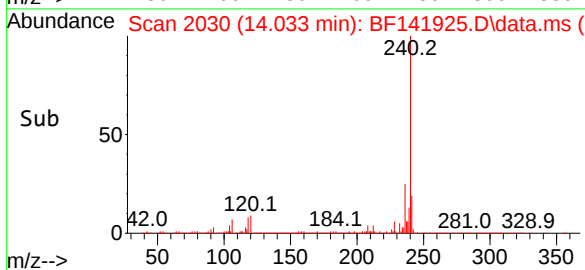
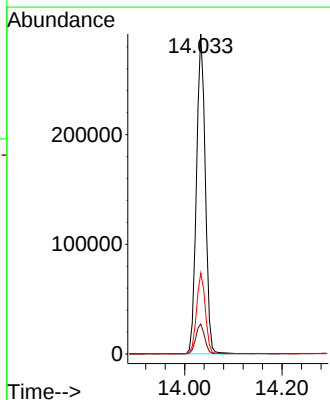
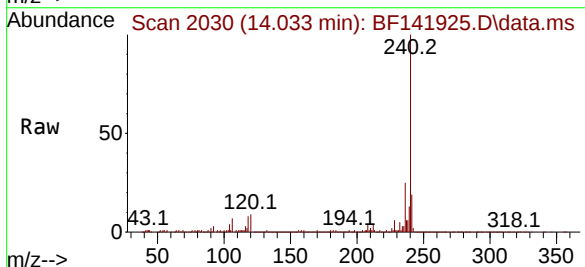
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-17

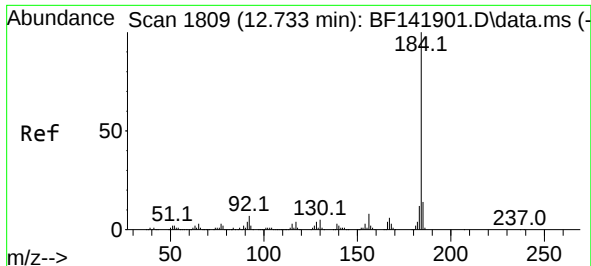
Tgt Ion:202 Resp: 88410
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.7
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

Tgt Ion:240 Resp: 369056
Ion Ratio Lower Upper
240 100
120 9.4 8.4 12.6
236 25.3 20.5 30.7

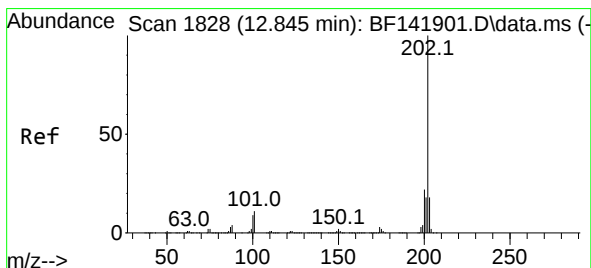
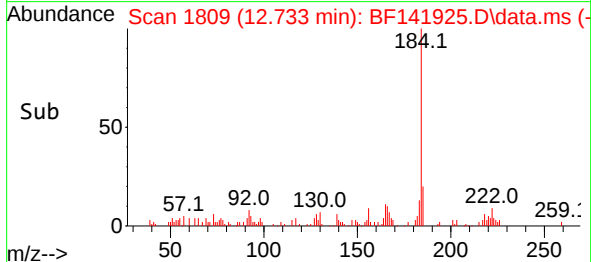
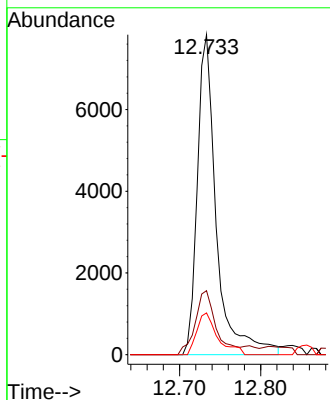
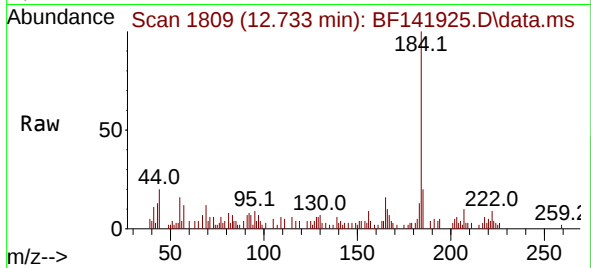




#77
Benzidine
Concen: 2.476 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

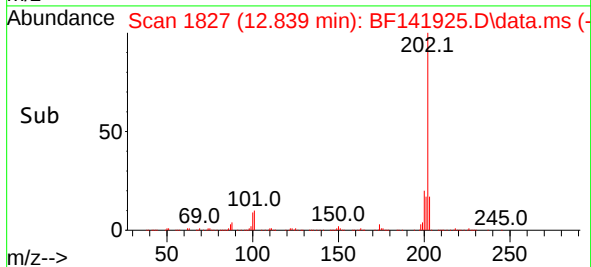
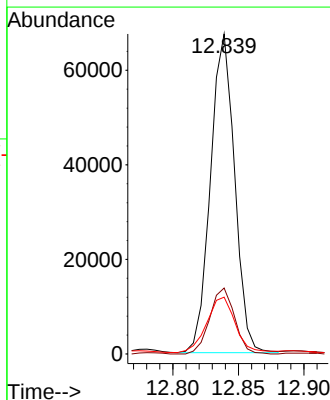
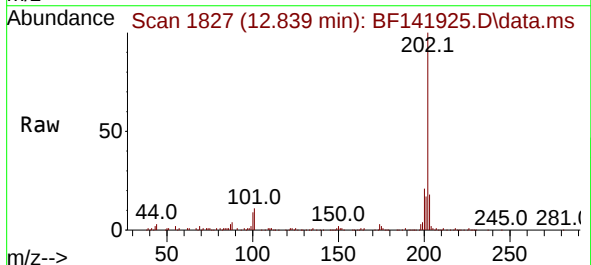
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-17

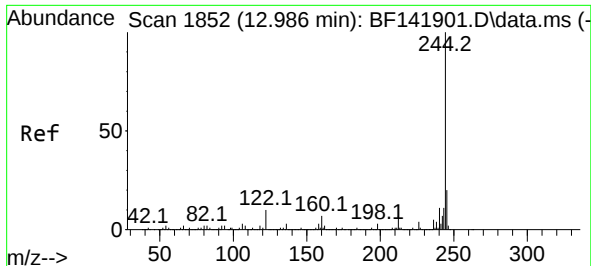
Tgt Ion:184 Resp: 12748
Ion Ratio Lower Upper
184 100
185 20.0 11.5 17.3#
183 13.1 9.7 14.5



#78
Pyrene
Concen: 2.704 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141925.D
Acq: 11 Mar 2025 19:42

Tgt Ion:202 Resp: 86323
Ion Ratio Lower Upper
202 100
200 20.6 17.3 25.9
203 17.7 14.4 21.6

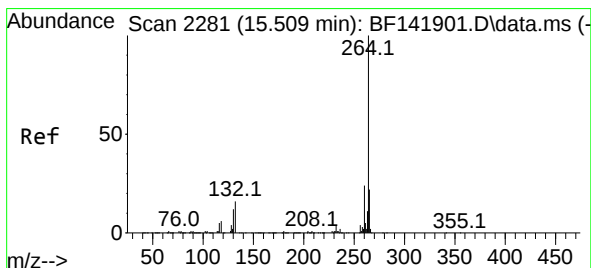
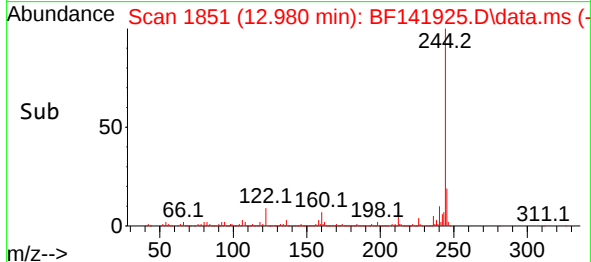
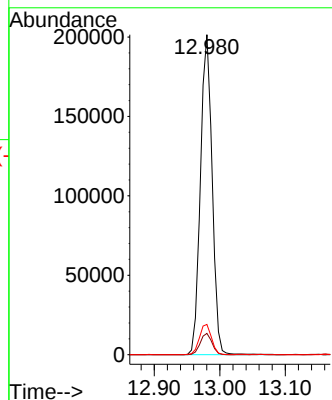
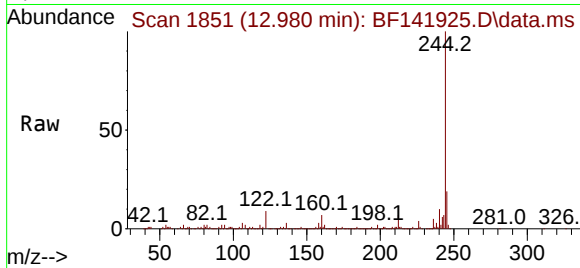




#79
 Terphenyl-d14
 Concen: 10.028 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF141925.D
 Acq: 11 Mar 2025 19:42

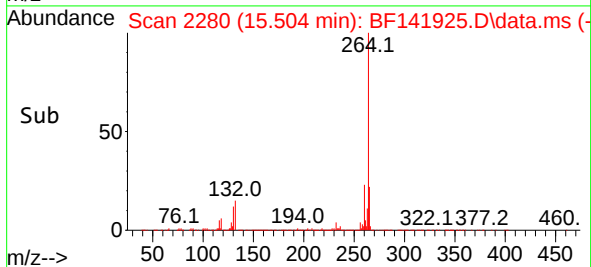
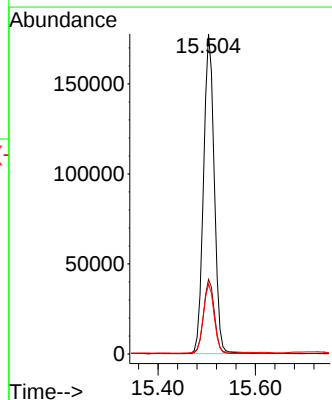
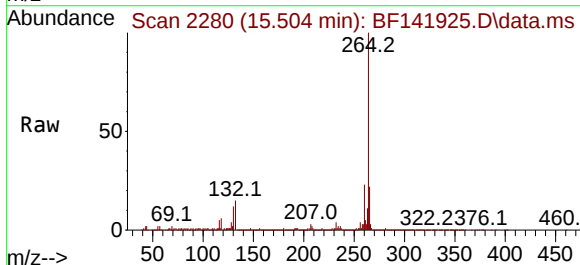
Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-17

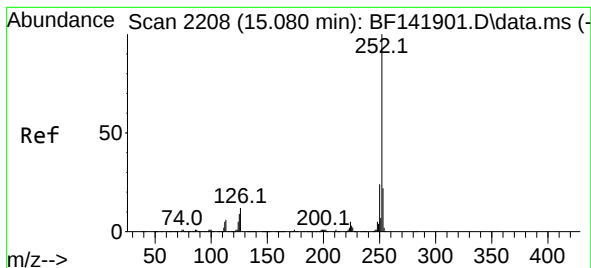
Tgt Ion:244 Resp: 250328
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 9.5 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.006 min
 Lab File: BF141925.D
 Acq: 11 Mar 2025 19:42

Tgt Ion:264 Resp: 270852
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.1 28.7
 265 21.8 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.344 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141925.D

Acq: 11 Mar 2025 19:42

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-17

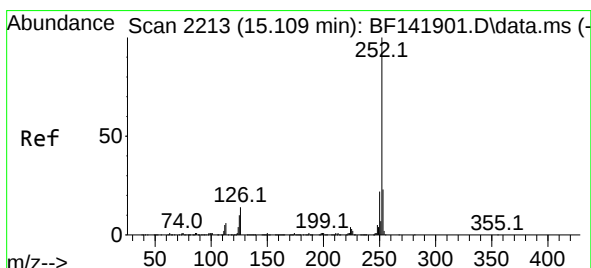
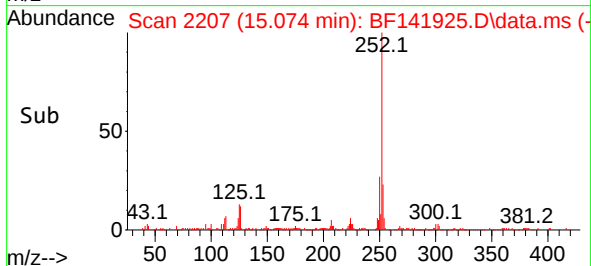
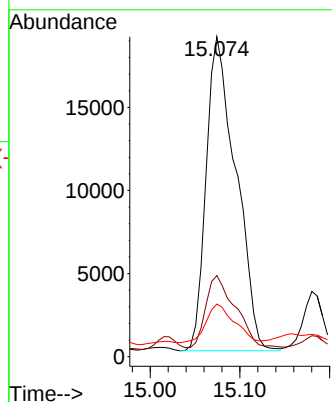
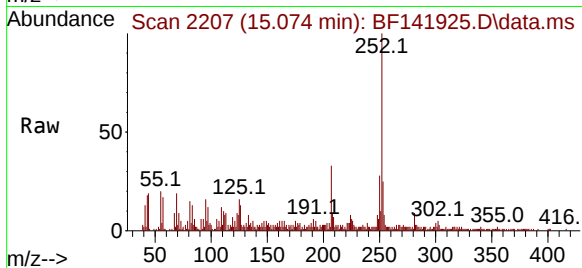
Tgt Ion:252 Resp: 43515

Ion Ratio Lower Upper

252 100

253 25.4 17.5 26.3

125 16.5 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 2.739 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.035 min

Lab File: BF141925.D

Acq: 11 Mar 2025 19:42

Tgt Ion:252 Resp: 43515

Ion Ratio Lower Upper

252 100

253 25.4 17.7 26.5

125 16.5 7.2 10.8#

