

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141418.D
 Acq On : 04 Feb 2025 19:34
 Operator : RC/JU
 Sample : Q1241-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.4-013025

Quant Time: Feb 05 00:33:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

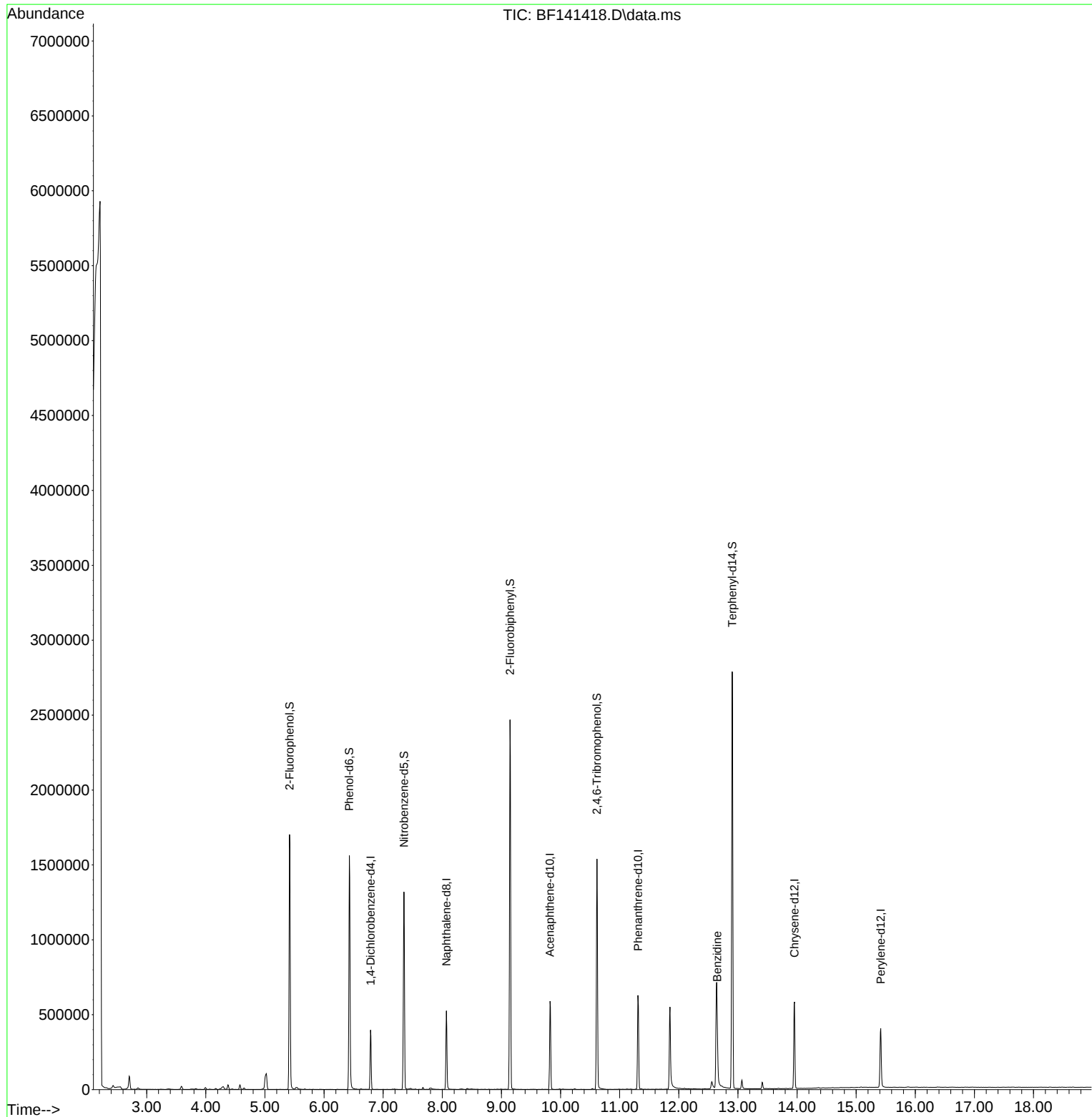
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	78587	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	315506	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	176087	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	315081	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	286835	20.000	ng	#-0.02
86) Perylene-d12	15.415	264	237589	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	615909	120.318	ng	0.00
7) Phenol-d6	6.428	99	691404	106.173	ng	-0.01
23) Nitrobenzene-d5	7.351	82	574746	96.032	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	246892	152.939	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1079093	94.324	ng	-0.02
79) Terphenyl-d14	12.904	244	1378327	74.107	ng	-0.01
Target Compounds						
77) Benzidine	12.651	184	111575	12.134	ng	Qvalue # 93

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

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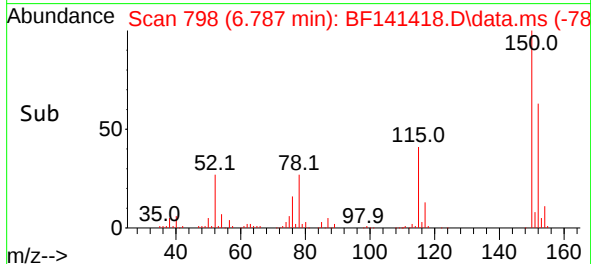
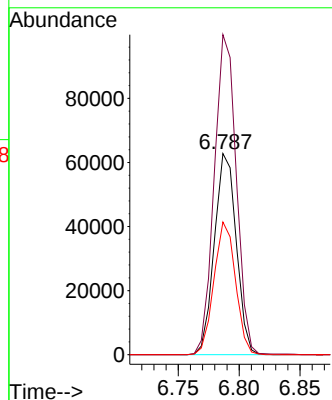
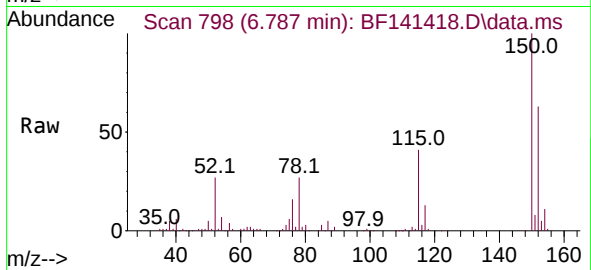




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141418.D
Acq: 04 Feb 2025 19:34

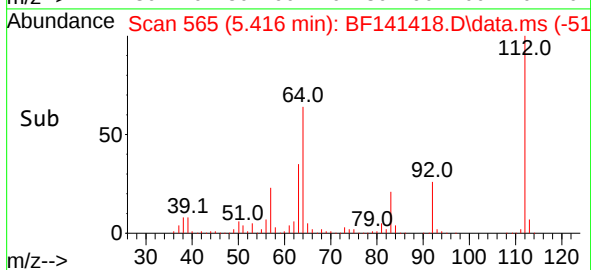
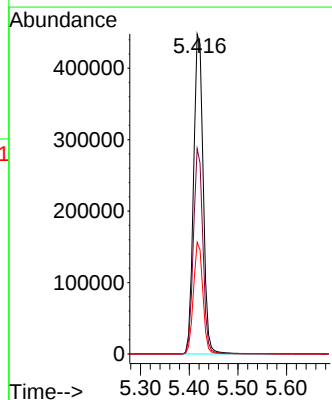
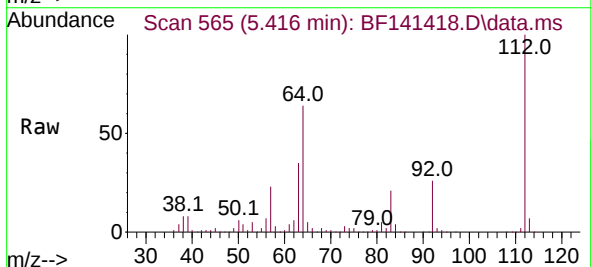
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

Tgt Ion:152 Resp: 78587
Ion Ratio Lower Upper
152 100
150 159.1 125.9 188.9
115 66.0 49.7 74.5



#5
2-Fluorophenol
Concen: 120.318 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141418.D
Acq: 04 Feb 2025 19:34

Tgt Ion:112 Resp: 615909
Ion Ratio Lower Upper
112 100
64 64.2 49.8 74.8
63 34.8 26.1 39.1

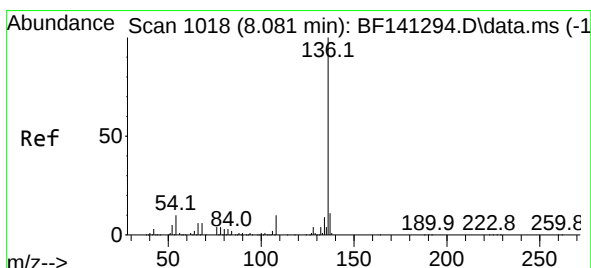
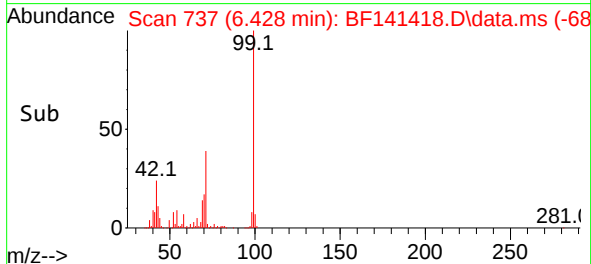
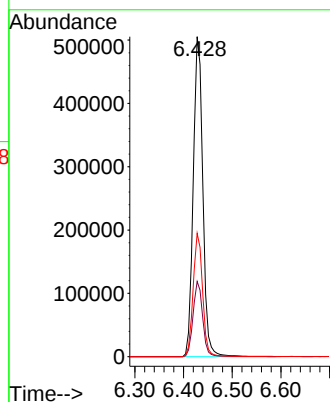
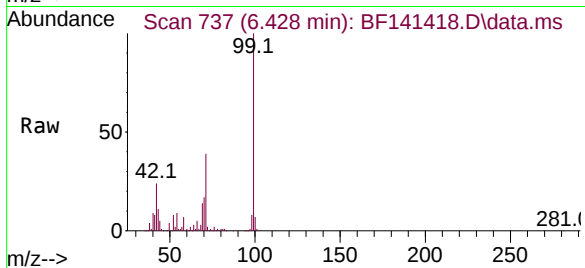




#7
Phenol-d6
Concen: 106.173 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141418.D
Acq: 04 Feb 2025 19:34

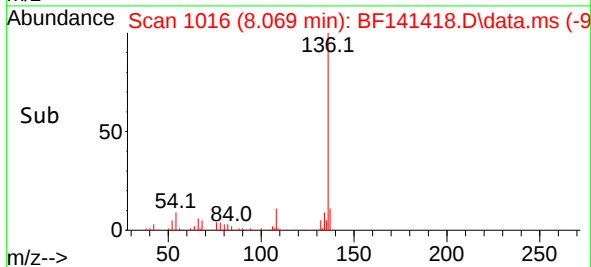
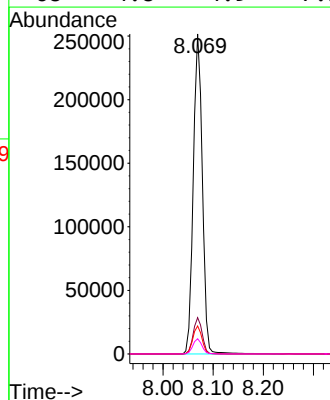
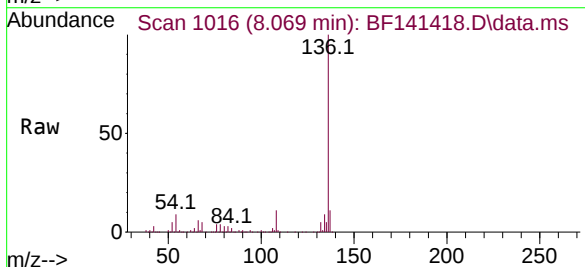
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025

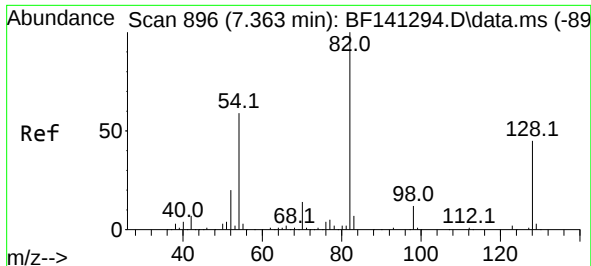
Tgt Ion: 99 Resp: 691404
Ion Ratio Lower Upper
99 100
42 23.5 17.1 25.7
71 38.6 26.9 40.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141418.D
Acq: 04 Feb 2025 19:34

Tgt Ion: 136 Resp: 315506
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 8.7 7.8 11.8
68 4.8 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 96.032 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141418.D

Acq: 04 Feb 2025 19:34

Instrument :

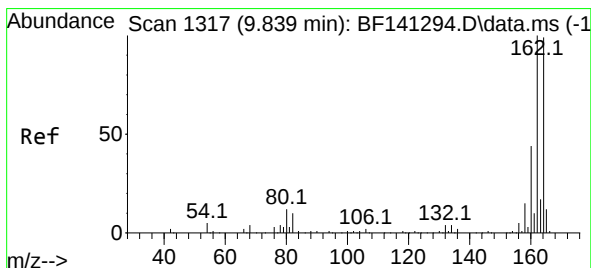
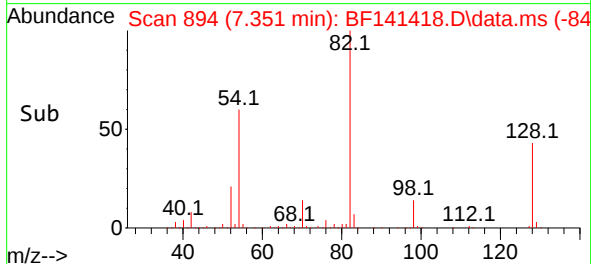
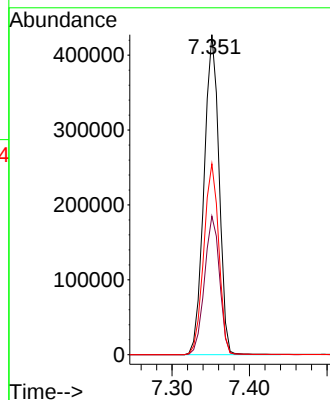
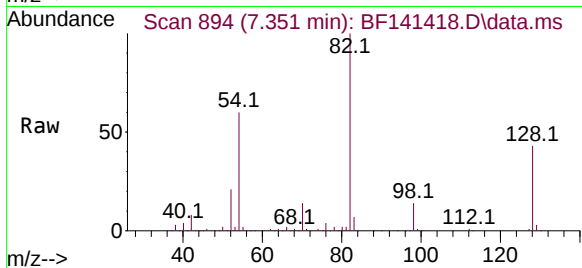
BNA_F

ClientSampleId :

JPP-51.4-013025

Tgt Ion: 82 Resp: 574746

Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.7	53.5
54	59.6	47.1	70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

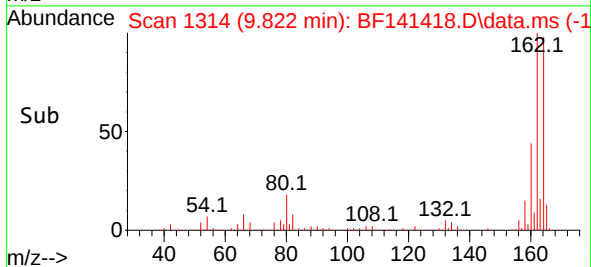
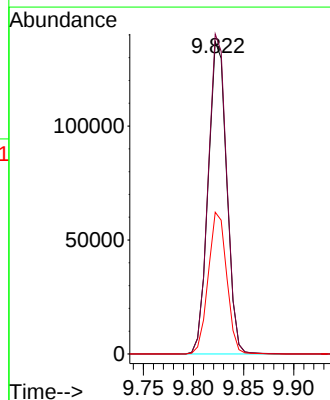
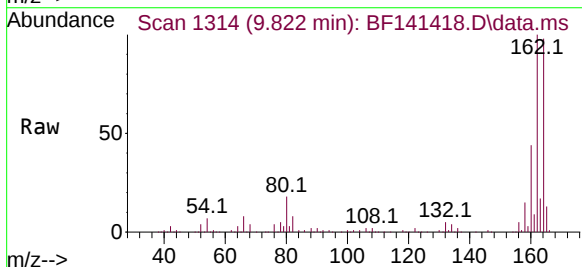
Delta R.T. -0.018 min

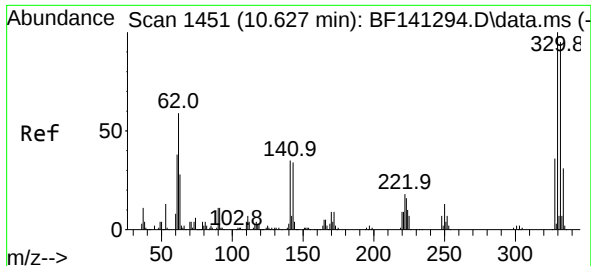
Lab File: BF141418.D

Acq: 04 Feb 2025 19:34

Tgt Ion:164 Resp: 176087

Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.6	121.0
160	45.4	35.8	53.6





#42

2,4,6-Tribromophenol

Concen: 152.939 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141418.D

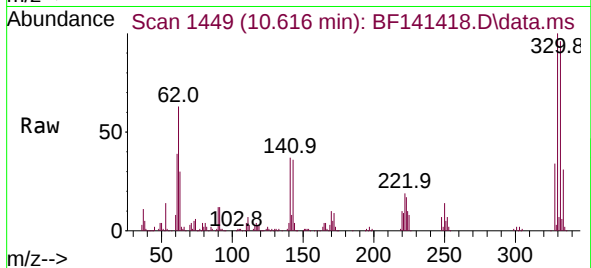
Acq: 04 Feb 2025 19:34

Instrument :

BNA_F

ClientSampleId :

JPP-51.4-013025



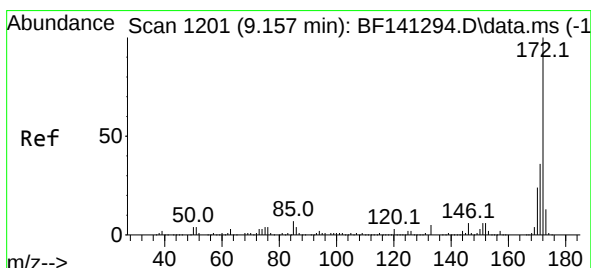
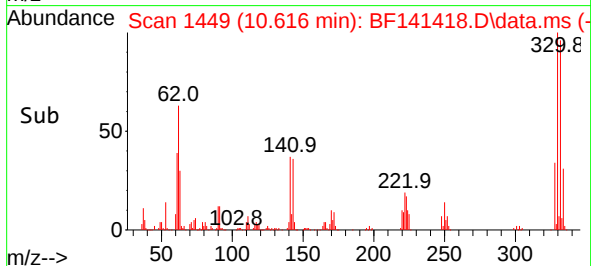
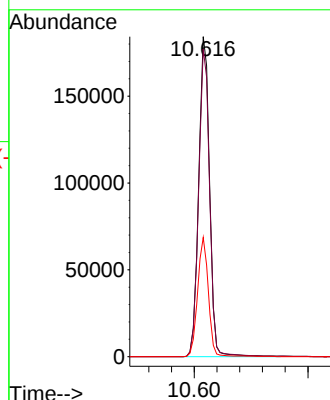
Tgt Ion:330 Resp: 246892

Ion Ratio Lower Upper

330 100

332 96.6 76.1 114.1

141 37.0 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 94.324 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141418.D

Acq: 04 Feb 2025 19:34

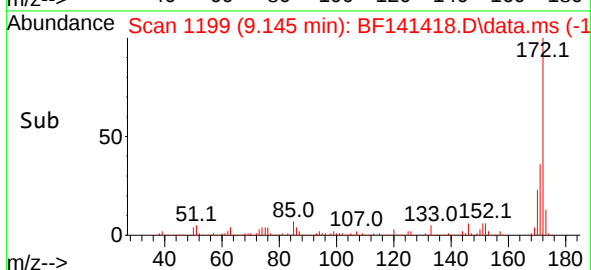
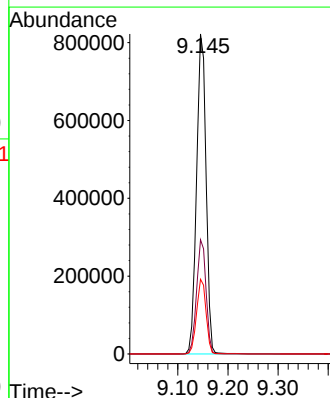
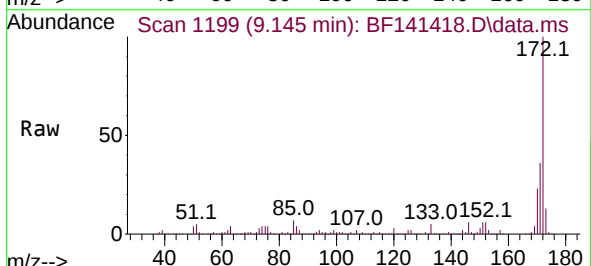
Tgt Ion:172 Resp: 1079093

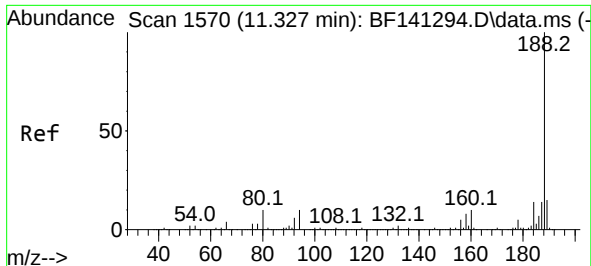
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.4 19.0 28.6

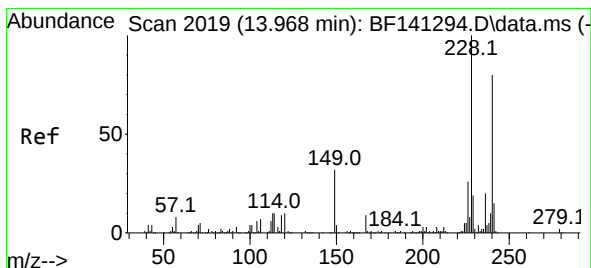
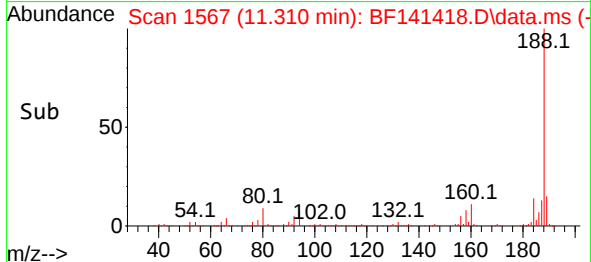
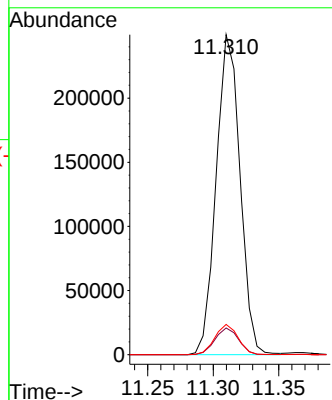
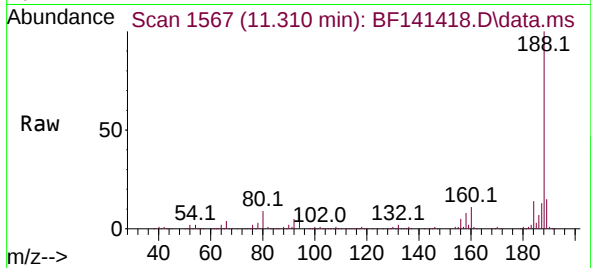




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141418.D
Acq: 04 Feb 2025 19:34

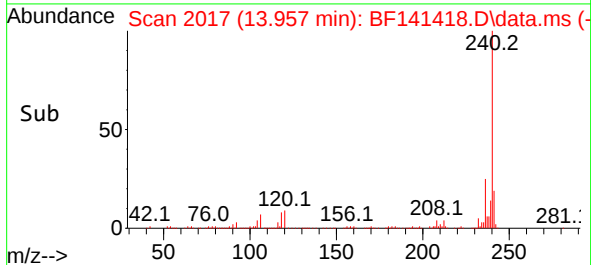
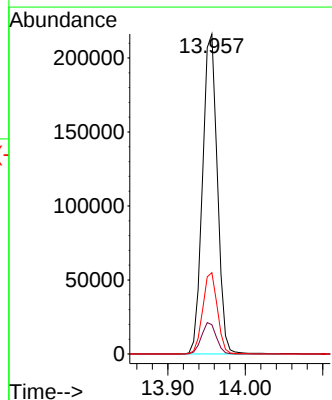
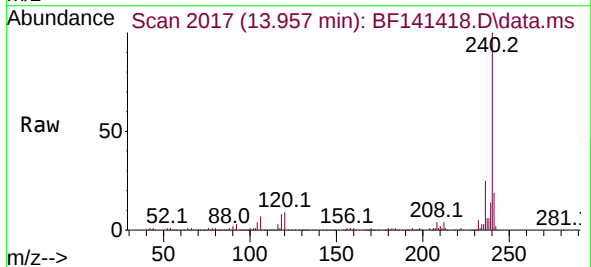
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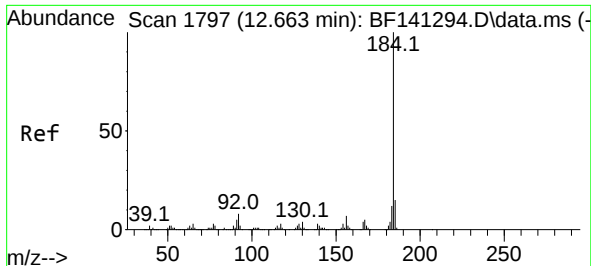
Tgt Ion:188 Resp: 315081
Ion Ratio Lower Upper
188 100
94 8.4 7.8 11.6
80 9.5 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141418.D
Acq: 04 Feb 2025 19:34

Tgt Ion:240 Resp: 286835
Ion Ratio Lower Upper
240 100
120 9.2 10.0 15.0#
236 25.4 19.7 29.5

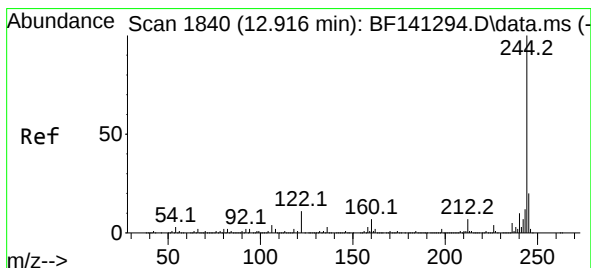
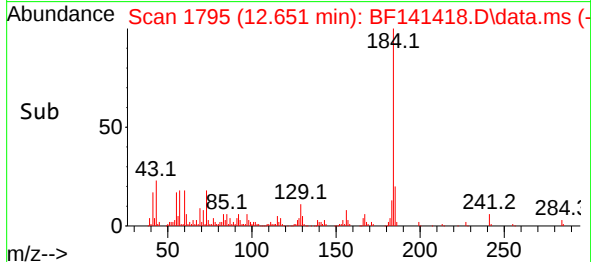
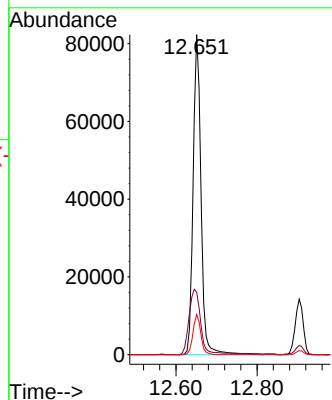
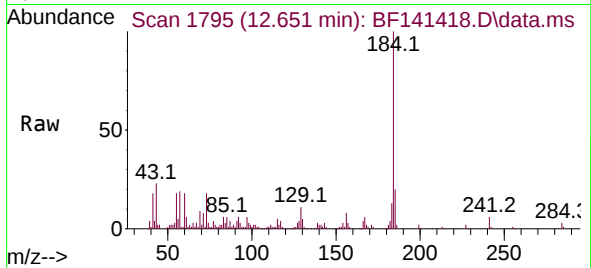




#77
Benzidine
Concen: 12.134 ng
RT: 12.651 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141418.D
Acq: 04 Feb 2025 19:34

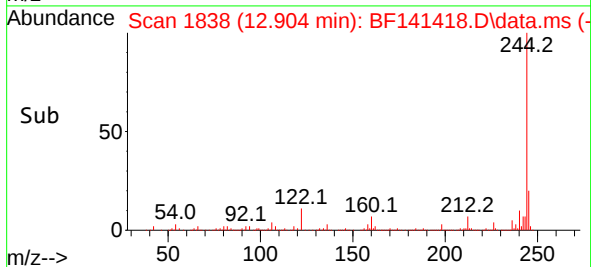
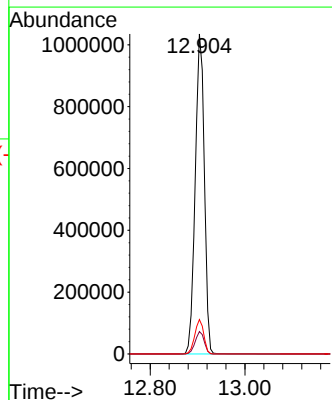
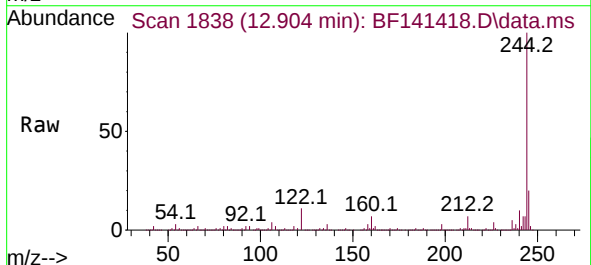
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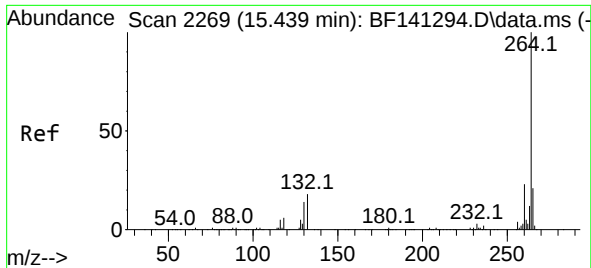
Tgt Ion:184 Resp: 111575
Ion Ratio Lower Upper
184 100
185 19.5 11.9 17.9#
183 12.5 9.5 14.3



#79
Terphenyl-d14
Concen: 74.107 ng
RT: 12.904 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF141418.D
Acq: 04 Feb 2025 19:34

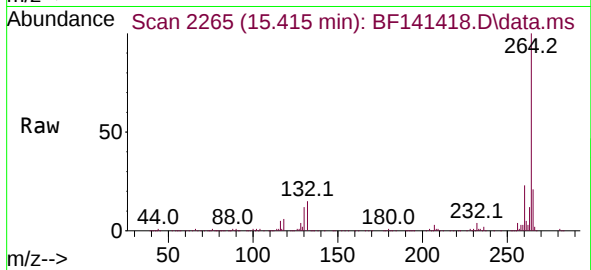
Tgt Ion:244 Resp: 1378327
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 10.8 8.8 13.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141418.D
Acq: 04 Feb 2025 19:34

Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025



Tgt Ion:264 Resp: 237589

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.3	16.7	25.1

