

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141744.D
 Acq On : 24 Feb 2025 15:09
 Operator : RC/JU
 Sample : Q1397-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP8

Quant Time: Feb 24 15:29:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

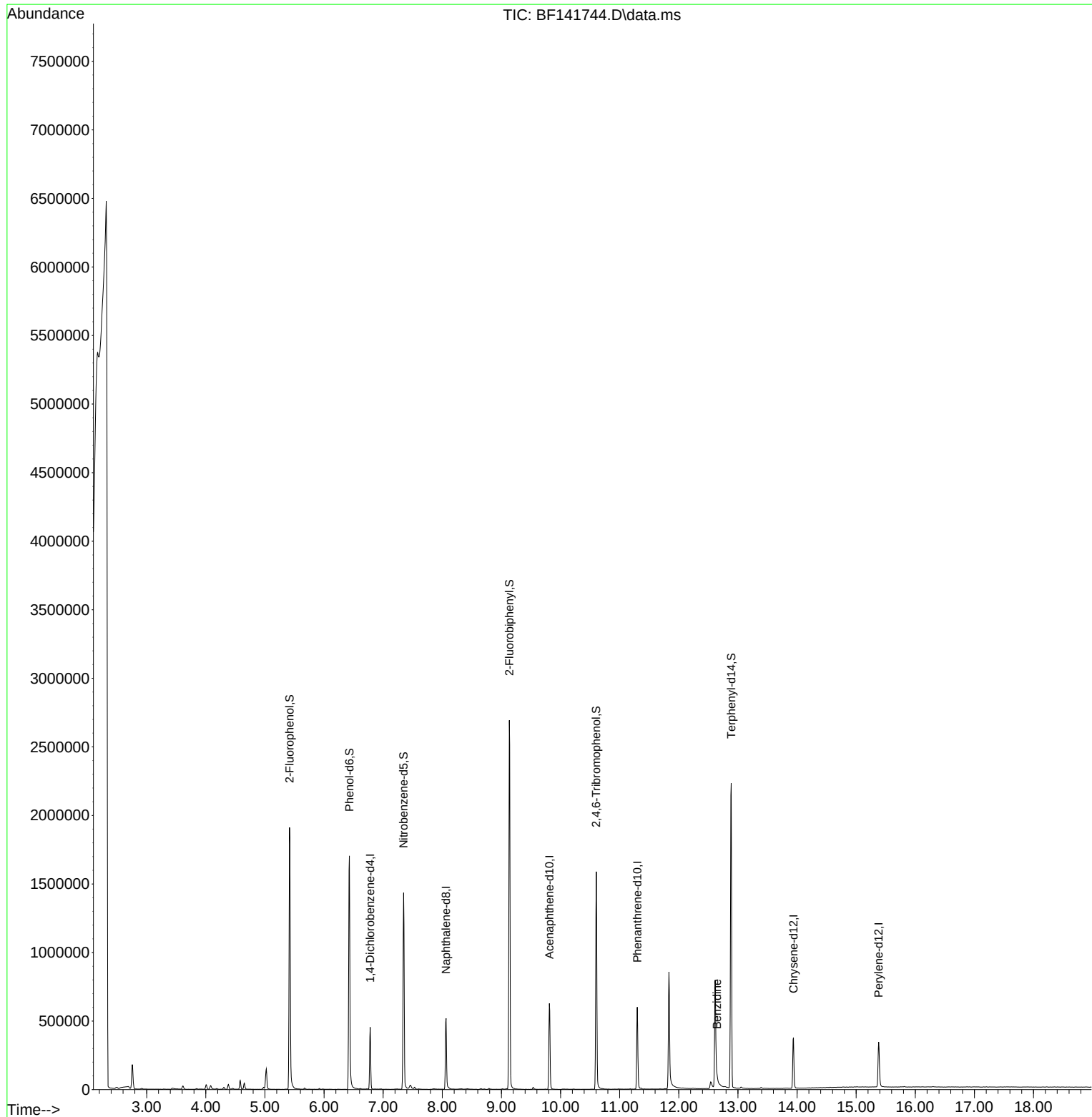
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	91911	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	371022	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	200666	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	326180	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	199910	20.000	ng	-0.02
86) Perylene-d12	15.380	264	216203	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	762708	130.097	ng	0.00
7) Phenol-d6	6.428	99	865524	116.807	ng	-0.01
23) Nitrobenzene-d5	7.345	82	668606	93.993	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	272858	135.361	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	1236409	94.927	ng	-0.02
79) Terphenyl-d14	12.886	244	1142481	96.479	ng	-0.02
Target Compounds						
77) Benzidine	12.645	184	19608	4.447	ng	Qvalue # 79

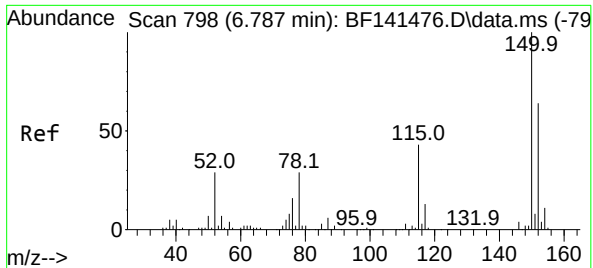
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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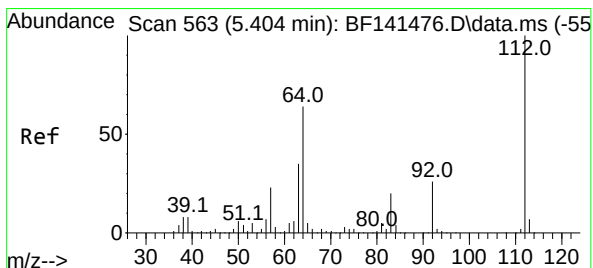
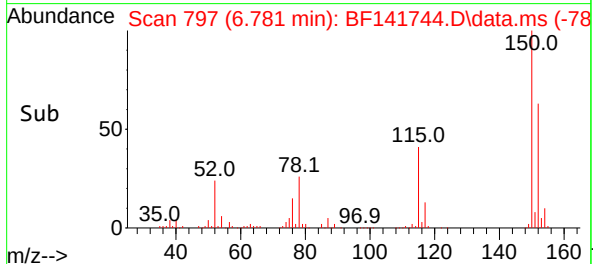
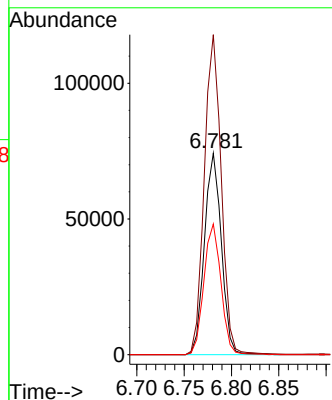
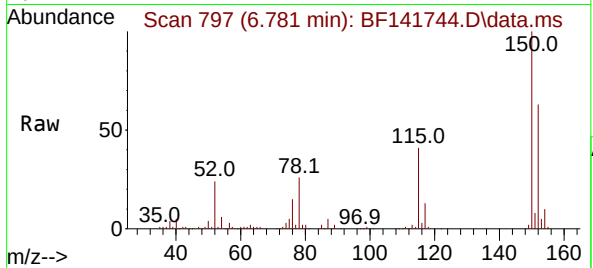




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

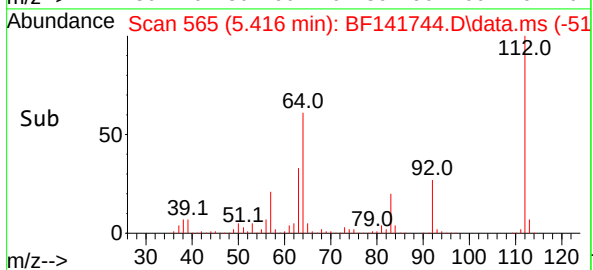
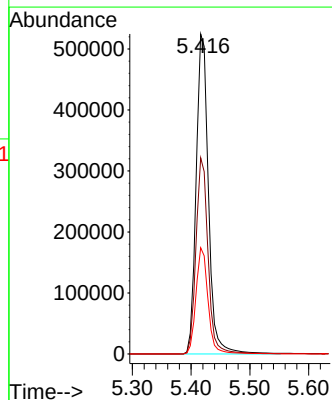
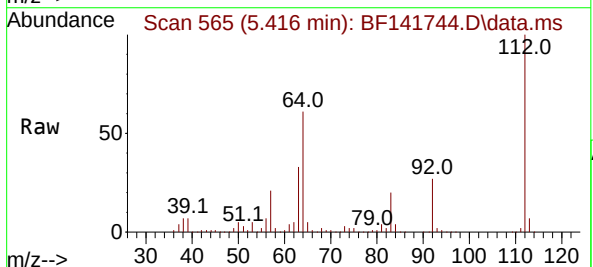
Instrument :
BNA_F
ClientSampleId :
TP8

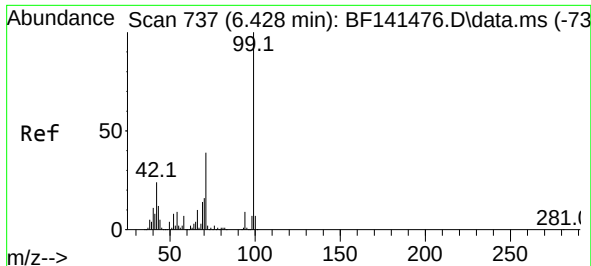
Tgt Ion:152 Resp: 91911
Ion Ratio Lower Upper
152 100
150 158.8 125.0 187.4
115 64.8 53.6 80.4



#5
2-Fluorophenol
Concen: 130.097 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

Tgt Ion:112 Resp: 762708
Ion Ratio Lower Upper
112 100
64 61.3 51.1 76.7
63 33.2 28.4 42.6





#7
Phenol-d6
Concen: 116.807 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

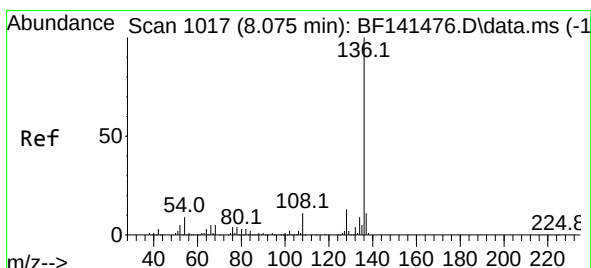
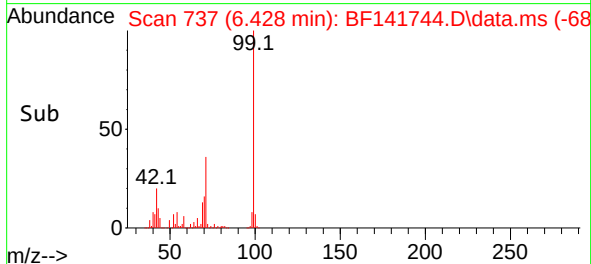
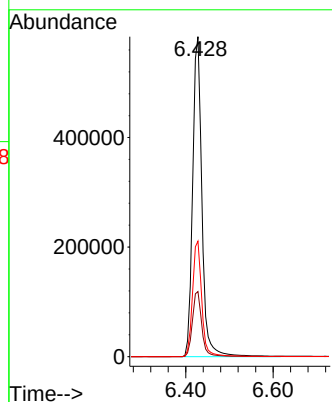
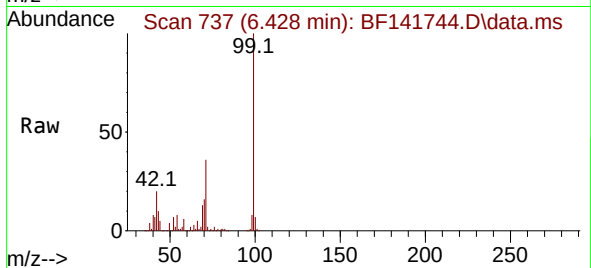
Instrument :

BNA_F

ClientSampleId :

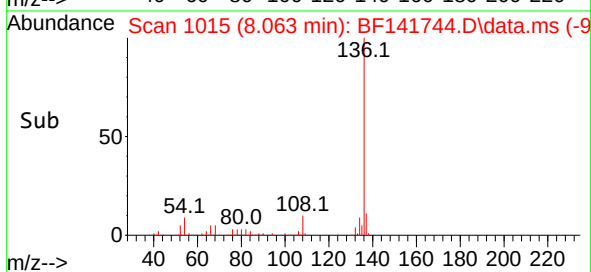
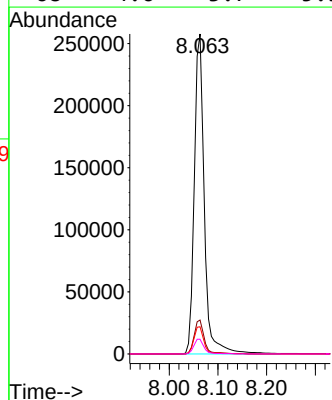
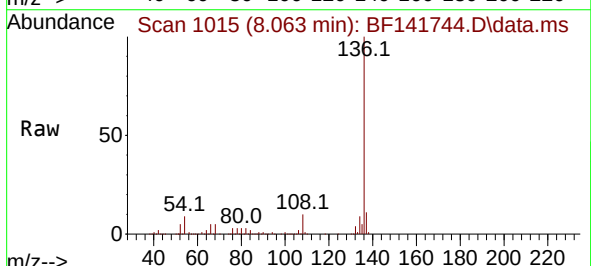
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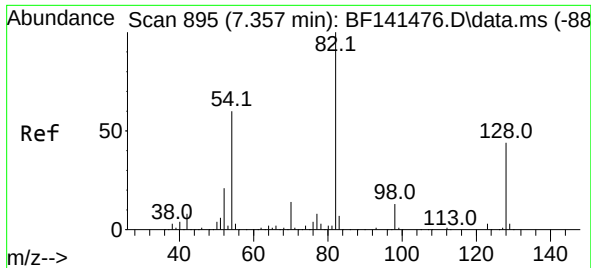
Tgt Ion: 99 Resp: 865524
Ion Ratio Lower Upper
99 100
42 20.3 19.1 28.7
71 36.1 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

Tgt Ion: 136 Resp: 371022
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.5 7.2 10.8
68 4.6 3.7 5.5

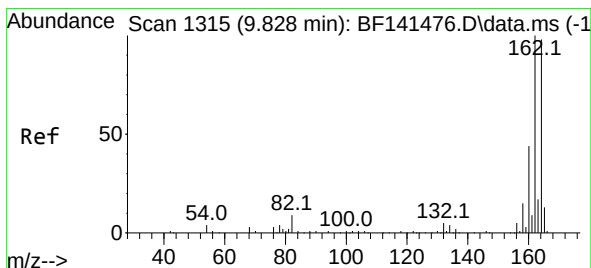
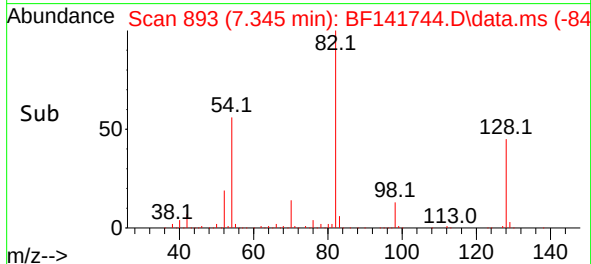
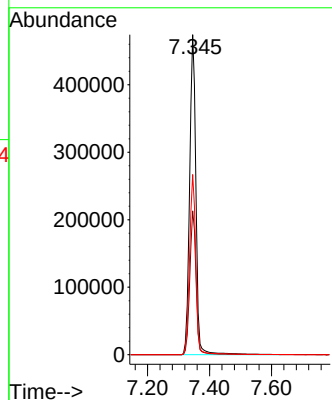
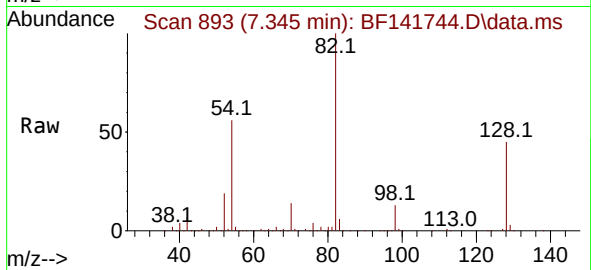




#23
Nitrobenzene-d5
Concen: 93.993 ng
RT: 7.345 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

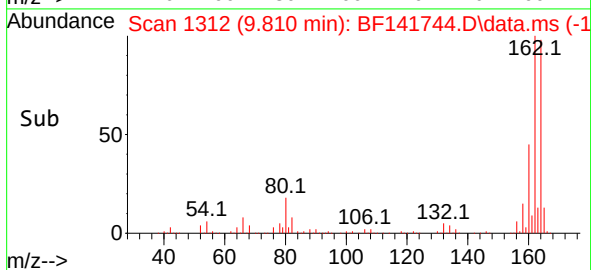
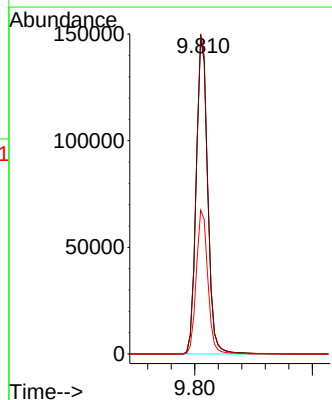
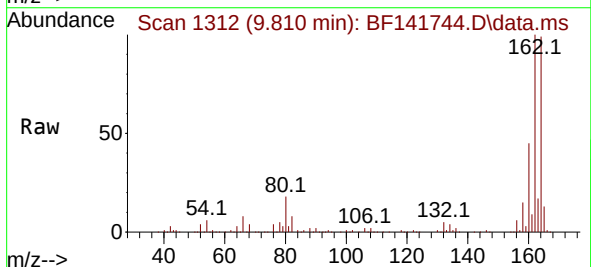
Instrument :
BNA_F
ClientSampleId :
TP8

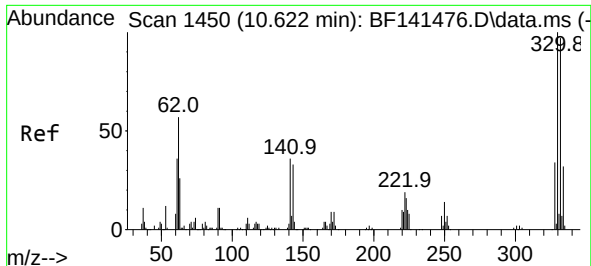
Tgt Ion: 82 Resp: 668606
Ion Ratio Lower Upper
82 100
128 45.0 34.8 52.2
54 56.3 48.2 72.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

Tgt Ion:164 Resp: 200666
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 45.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 135.361 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141744.D

Acq: 24 Feb 2025 15:09

Instrument :

BNA_F

ClientSampleId :

TP8

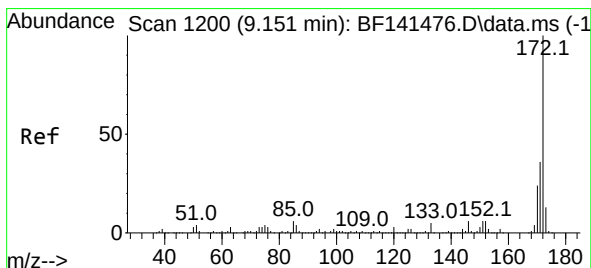
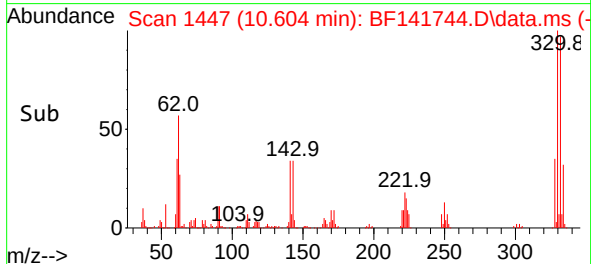
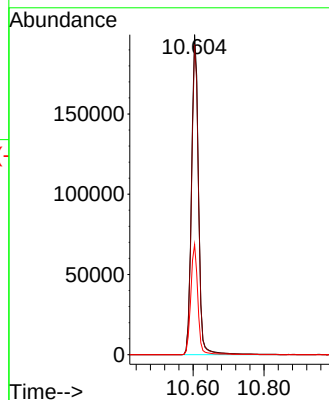
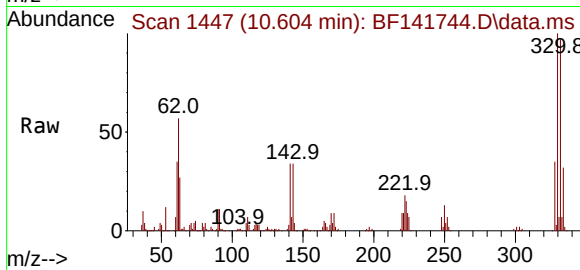
Tgt Ion:330 Resp: 272858

Ion Ratio Lower Upper

330 100

332 96.6 78.5 117.7

141 34.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 94.927 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141744.D

Acq: 24 Feb 2025 15:09

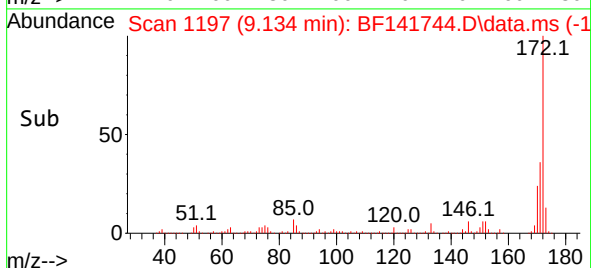
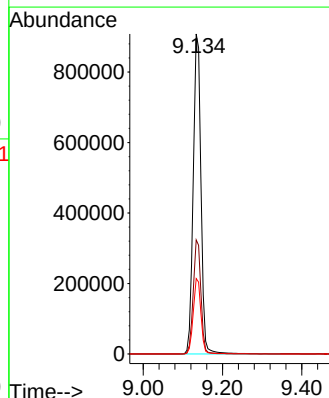
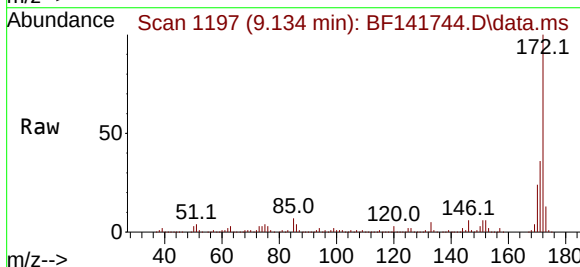
Tgt Ion:172 Resp: 1236409

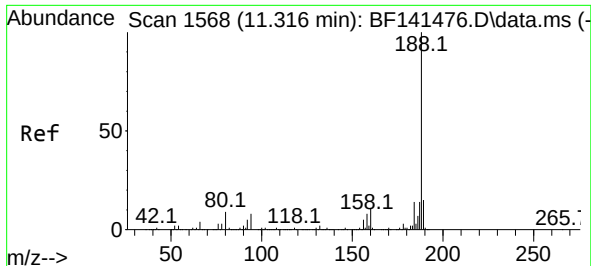
Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

170 23.6 18.9 28.3

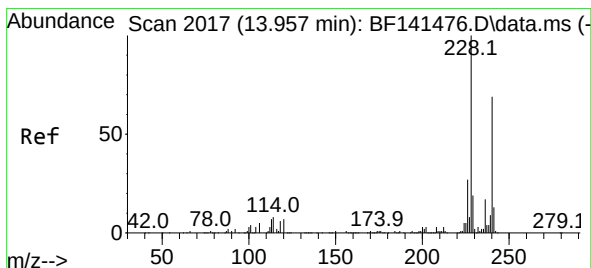
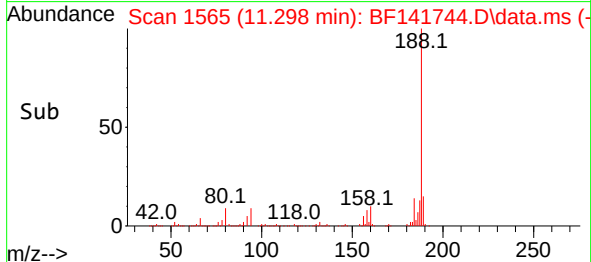
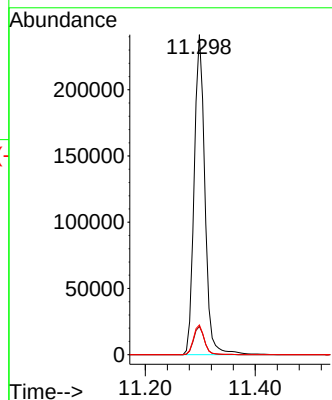
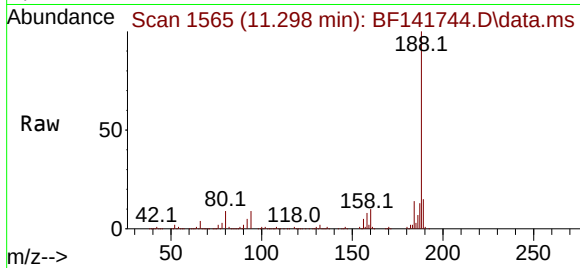




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

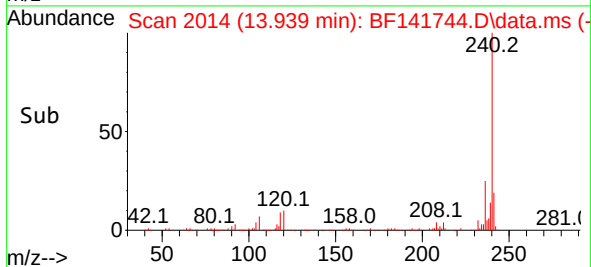
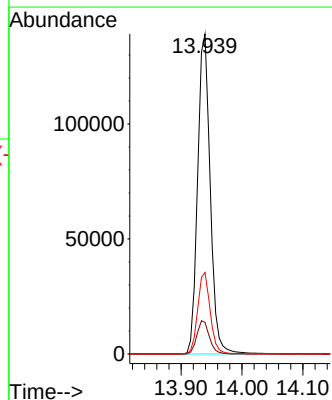
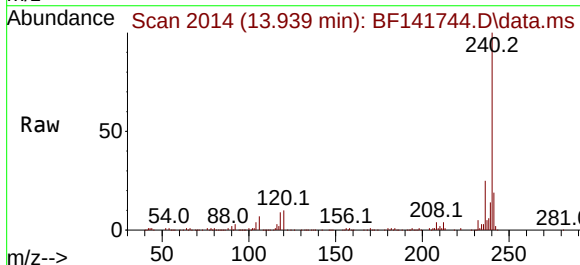
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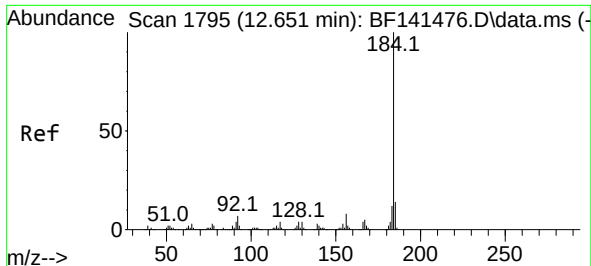
Tgt Ion:188 Resp: 326180
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.3 7.3 10.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

Tgt Ion:240 Resp: 199910
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 25.5 19.8 29.8

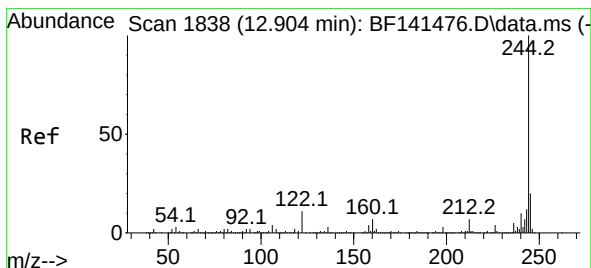
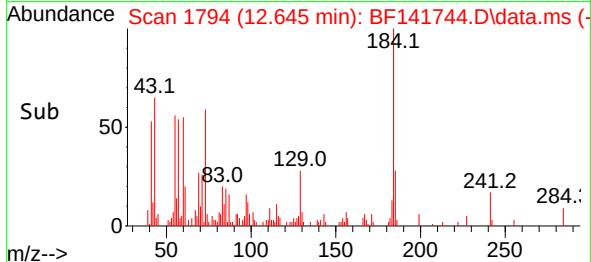
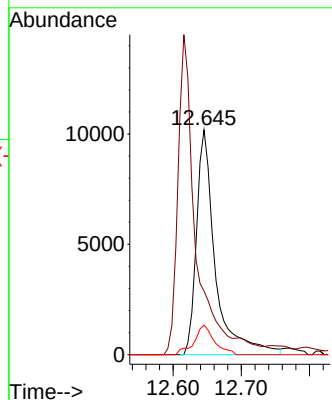
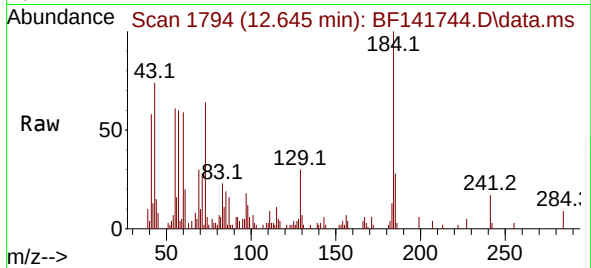




#77
Benzidine
Concen: 4.447 ng
RT: 12.645 min Scan# 1794
Delta R.T. -0.012 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

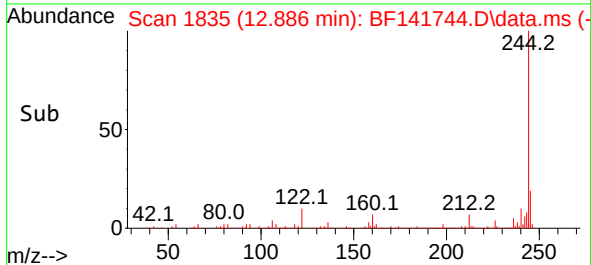
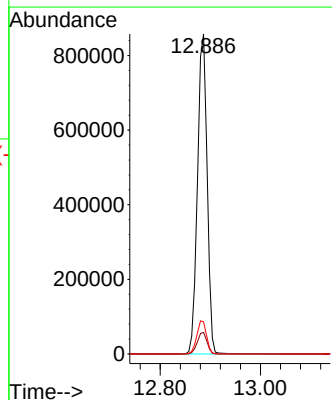
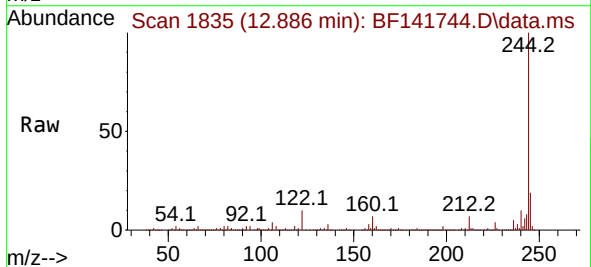
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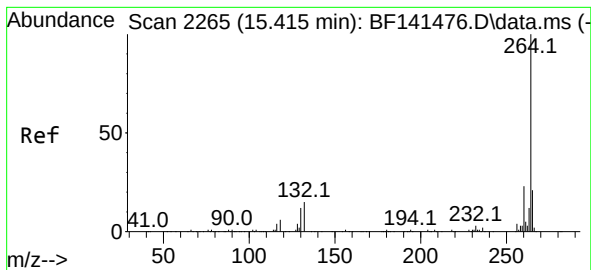
Tgt Ion:184 Resp: 19608
Ion Ratio Lower Upper
184 100
185 28.4 11.3 16.9#
183 13.1 9.3 13.9



#79
Terphenyl-d14
Concen: 96.479 ng
RT: 12.886 min Scan# 1835
Delta R.T. -0.017 min
Lab File: BF141744.D
Acq: 24 Feb 2025 15:09

Tgt Ion:244 Resp: 1142481
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 10.1 8.4 12.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141744.D

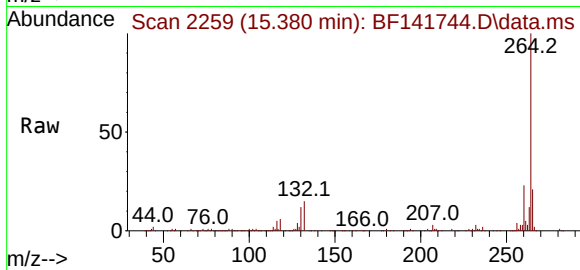
Acq: 24 Feb 2025 15:09

Instrument :

BNA_F

ClientSampleId :

TP8



Tgt Ion:264 Resp: 216203

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 20.9 17.0 25.4

