

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133910.D
 Acq On : 22 Jun 2023 20:04
 Operator : CG\JU
 Sample : 03320-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-10

Quant Time: Jun 23 05:04:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 02:21:26 2023
 Response via : Initial Calibration

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

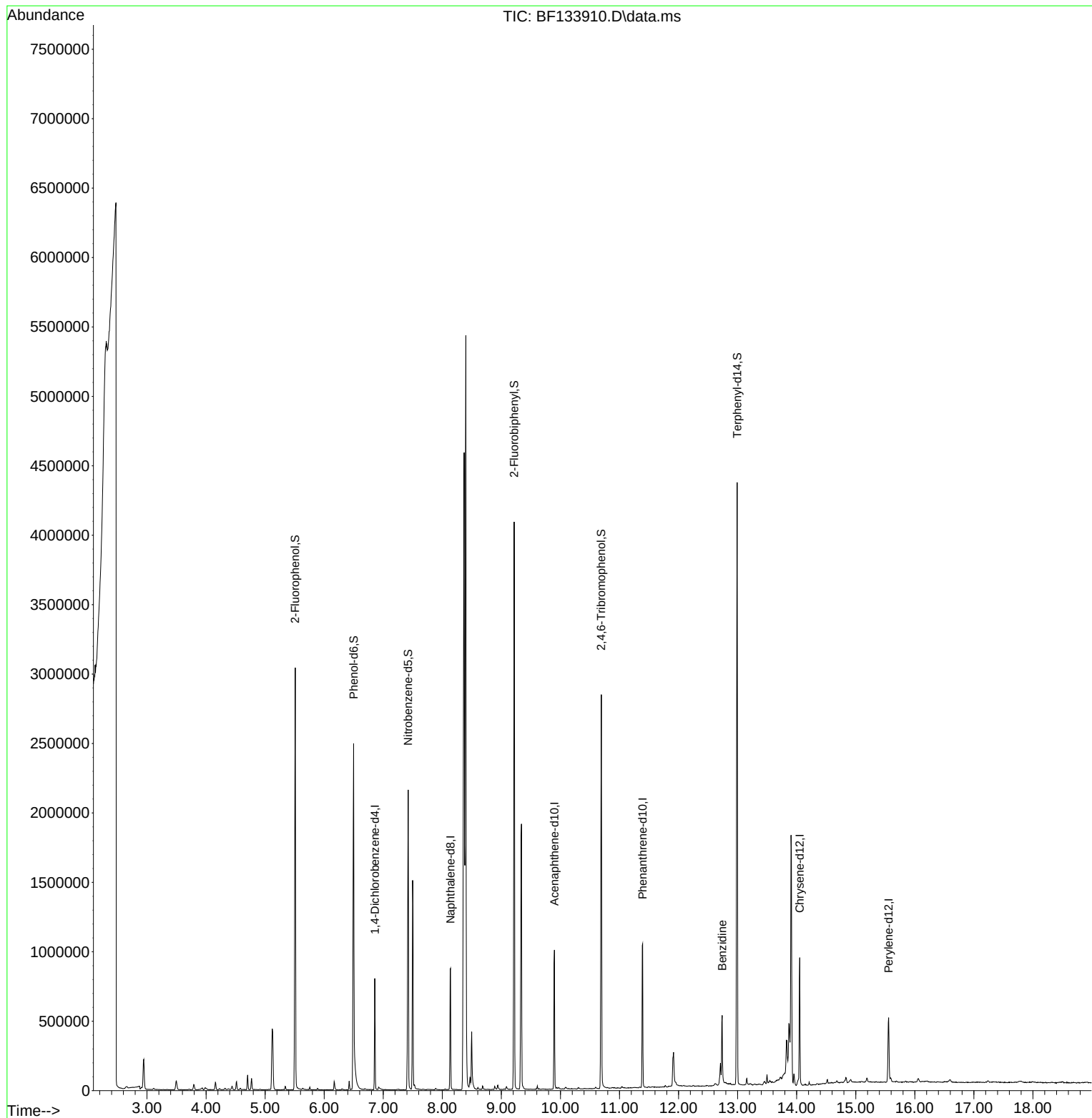
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	102744	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	400448	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	199389	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	401051	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	296190	20.000	ng	0.00
86) Perylene-d12	15.557	264	233975	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	785621	133.116	ng	0.02
7) Phenol-d6	6.498	99	930043	121.066	ng	0.00
23) Nitrobenzene-d5	7.422	82	713736	97.078	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	352915	139.829	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1249855	89.107	ng	0.00
79) Terphenyl-d14	12.992	244	1616299	84.438	ng	0.00
Target Compounds						
77) Benzidine	12.739	184	193645	19.483	ng	Qvalue 99

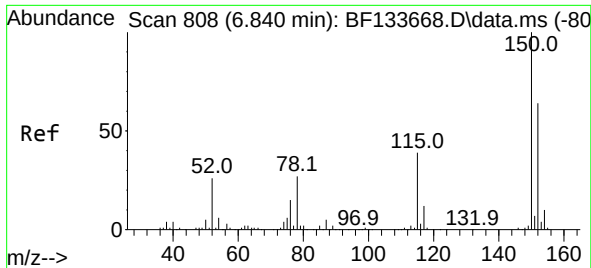
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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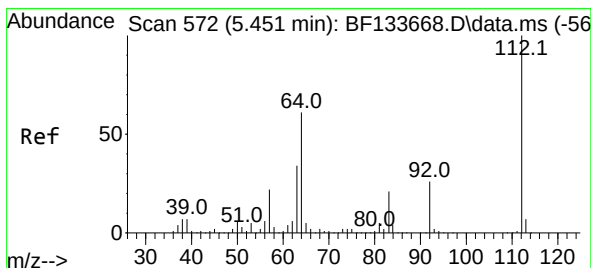
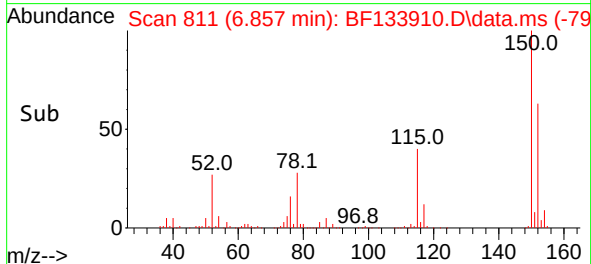
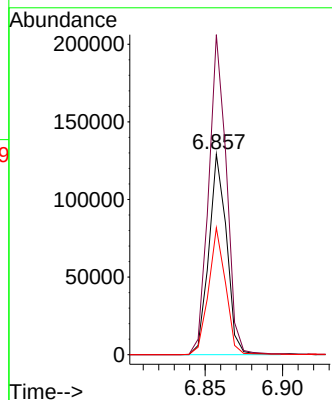
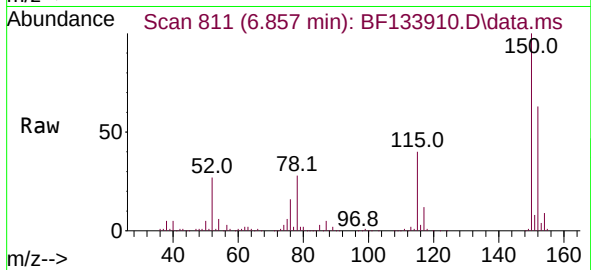




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133910.D
Acq: 22 Jun 2023 20:04

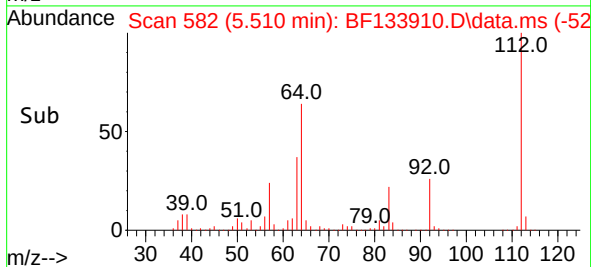
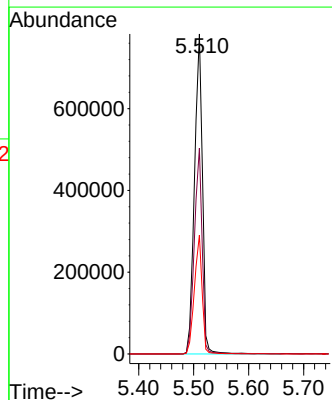
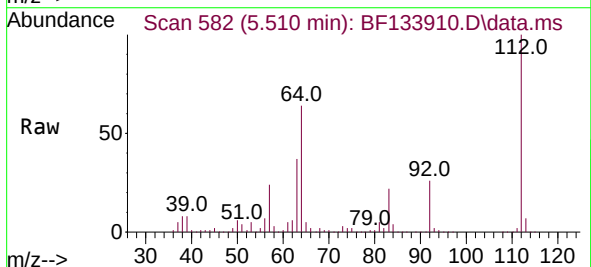
Instrument :
BNA_F
ClientSampleId :
WC-10

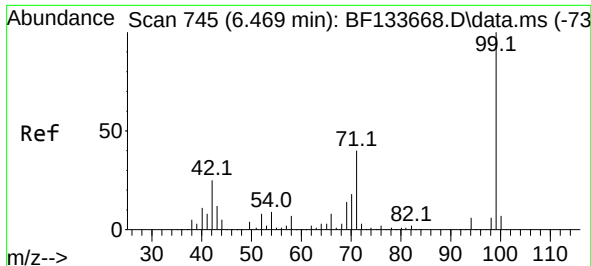
Tgt Ion:152 Resp: 102744
Ion Ratio Lower Upper
152 100
150 159.7 124.3 186.5
115 63.3 48.5 72.7



#5
2-Fluorophenol
Concen: 133.116 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF133910.D
Acq: 22 Jun 2023 20:04

Tgt Ion:112 Resp: 785621
Ion Ratio Lower Upper
112 100
64 64.3 49.0 73.4
63 37.2 26.8 40.2

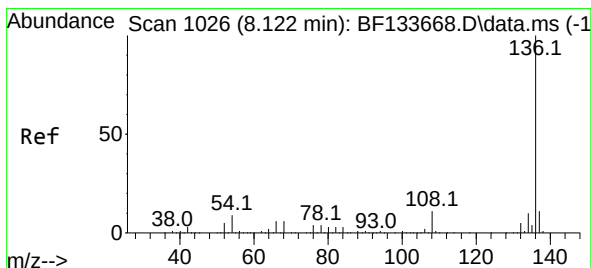
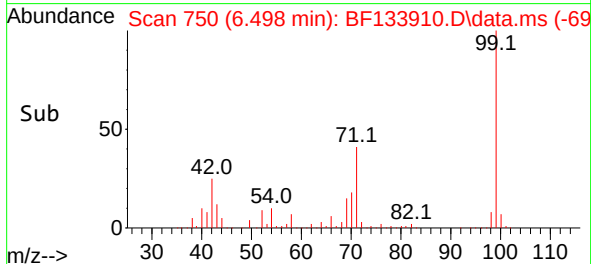
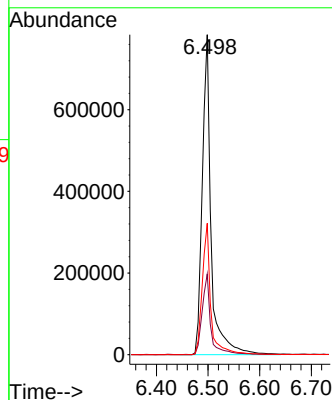
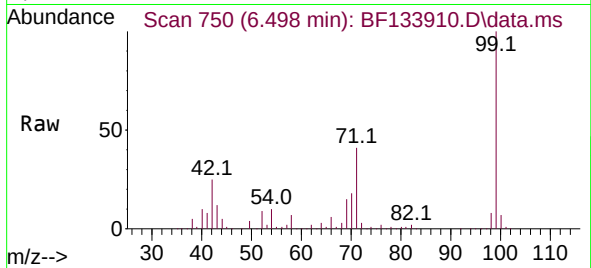




#7
Phenol-d6
Concen: 121.066 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133910.D
Acq: 22 Jun 2023 20:04

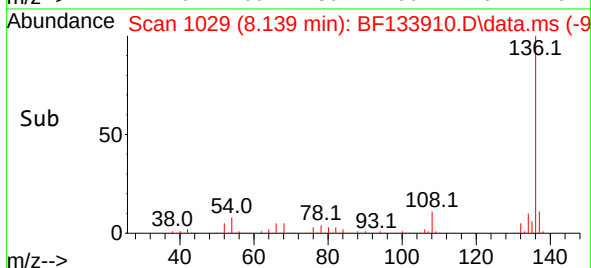
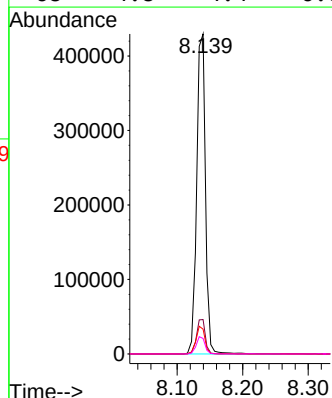
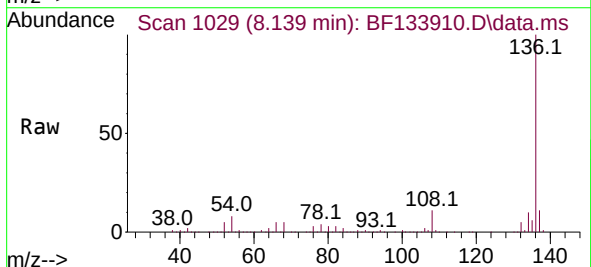
Instrument :
BNA_F
ClientSampleId :
WC-10

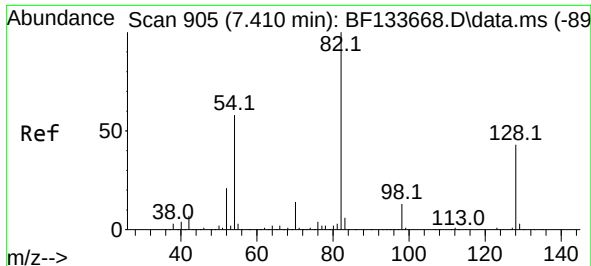
Tgt Ion: 99 Resp: 930043
Ion Ratio Lower Upper
99 100
42 25.2 19.9 29.9
71 41.1 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133910.D
Acq: 22 Jun 2023 20:04

Tgt Ion: 136 Resp: 400448
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.8 7.4 11.0
68 4.8 4.4 6.6





#23

Nitrobenzene-d5

Concen: 97.078 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133910.D

Acq: 22 Jun 2023 20:04

Instrument :

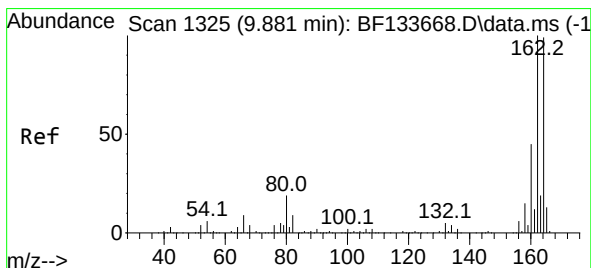
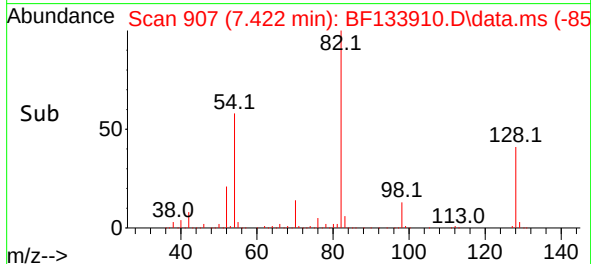
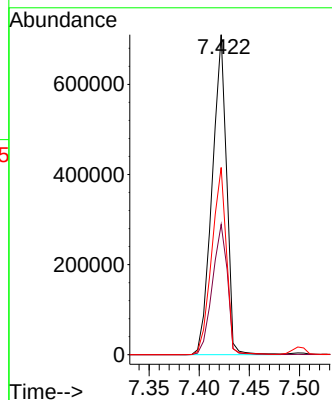
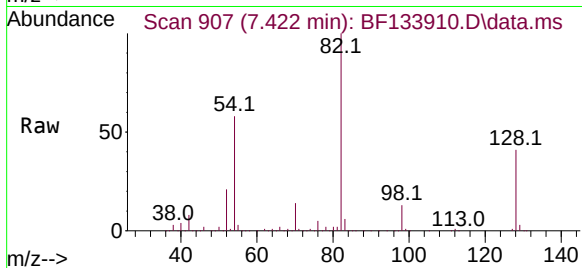
BNA_F

ClientSampleId :

WC-10

Tgt Ion: 82 Resp: 713736

Ion	Ratio	Lower	Upper
82	100		
128	40.7	34.2	51.2
54	58.5	46.5	69.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

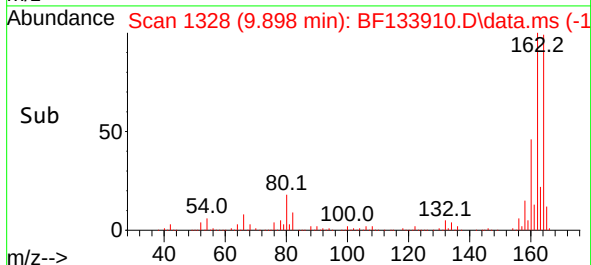
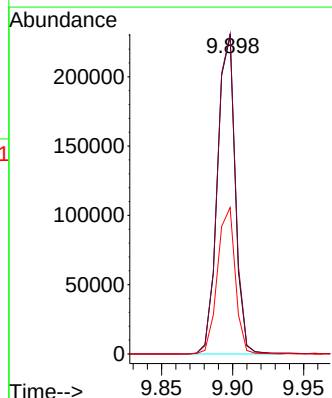
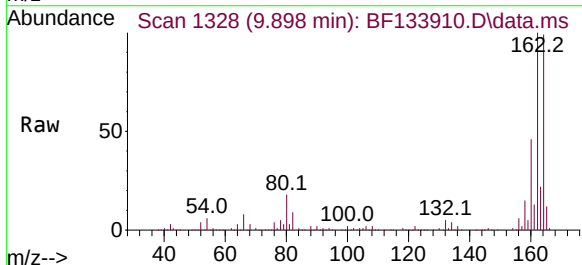
Delta R.T. 0.000 min

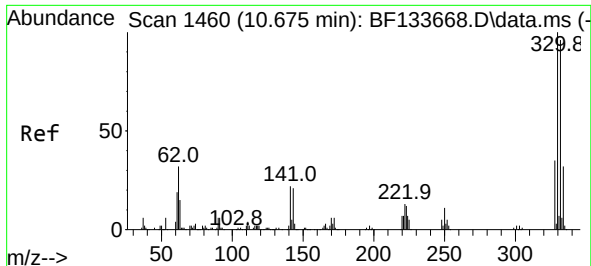
Lab File: BF133910.D

Acq: 22 Jun 2023 20:04

Tgt Ion:164 Resp: 199389

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.8	121.2
160	46.1	36.7	55.1





#42

2,4,6-Tribromophenol

Concen: 139.829 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF133910.D

Acq: 22 Jun 2023 20:04

Instrument :

BNA_F

ClientSampleId :

WC-10

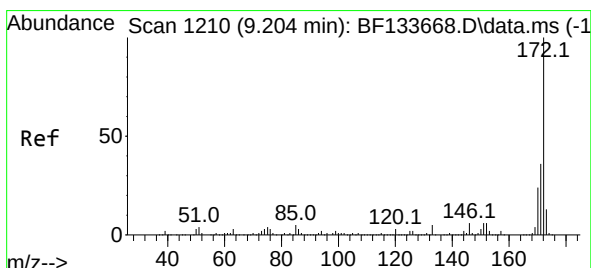
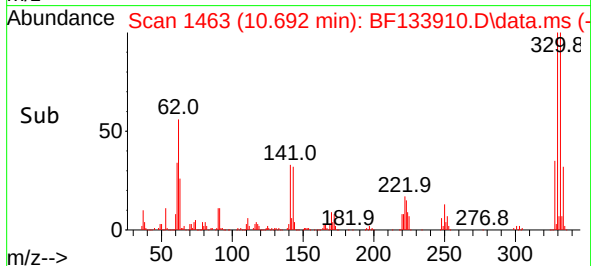
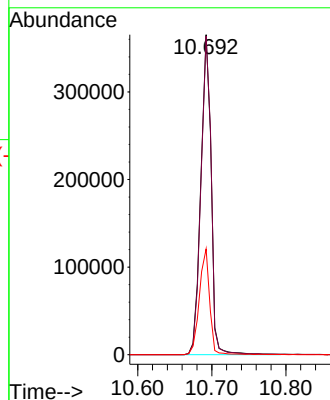
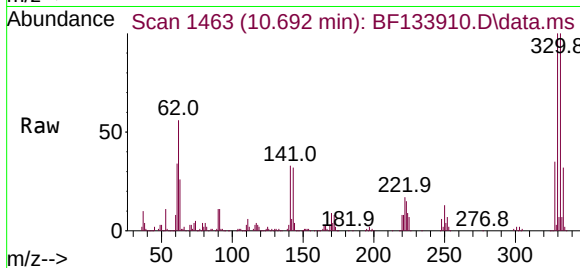
Tgt Ion:330 Resp: 352915

Ion Ratio Lower Upper

330 100

332 98.5 77.2 115.8

141 33.1 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 89.107 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF133910.D

Acq: 22 Jun 2023 20:04

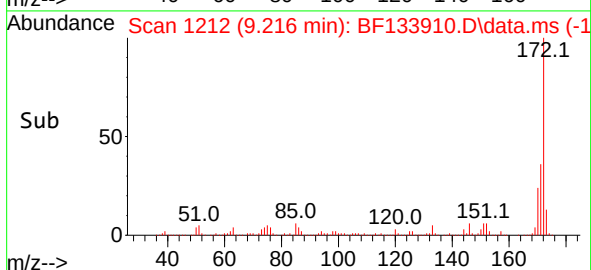
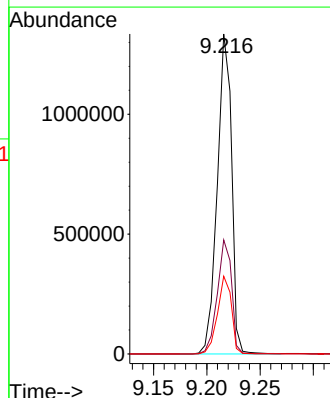
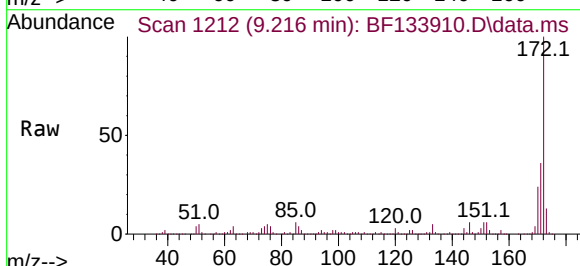
Tgt Ion:172 Resp: 1249855

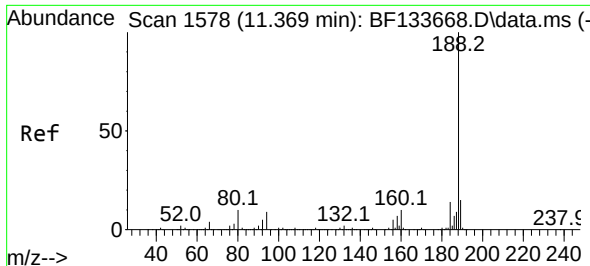
Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 24.3 19.1 28.7

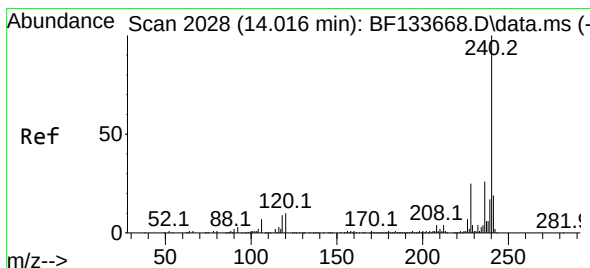
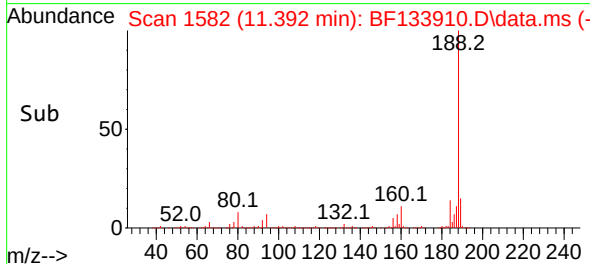
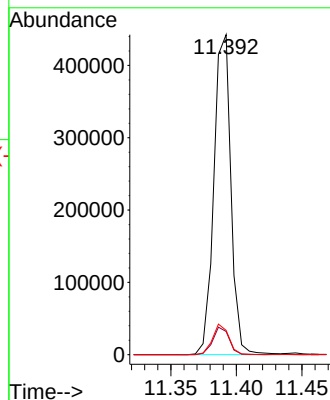
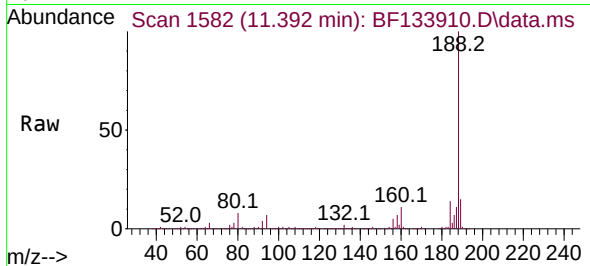




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133910.D
Acq: 22 Jun 2023 20:04

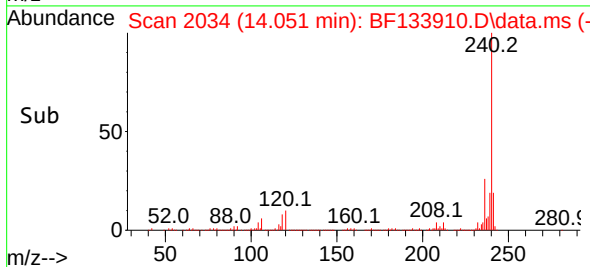
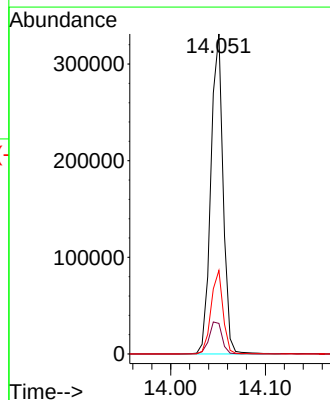
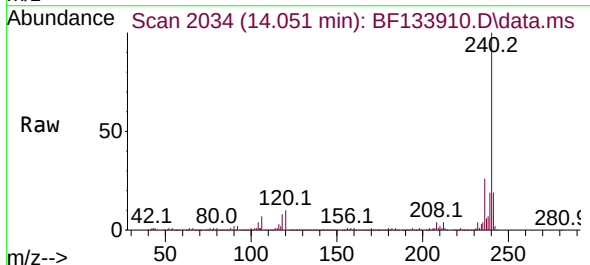
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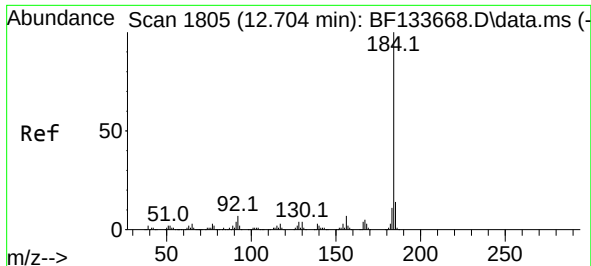
Tgt Ion:188 Resp: 401051
Ion Ratio Lower Upper
188 100
94 7.2 6.8 10.2
80 7.6 7.8 11.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF133910.D
Acq: 22 Jun 2023 20:04

Tgt Ion:240 Resp: 296190
Ion Ratio Lower Upper
240 100
120 9.6 8.1 12.1
236 26.1 20.5 30.7

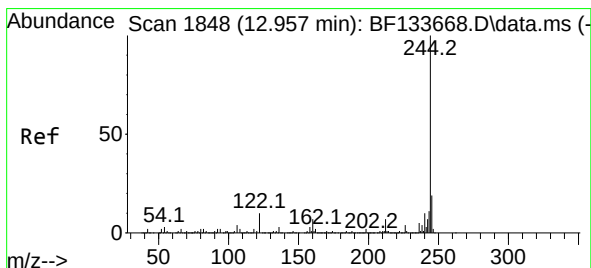
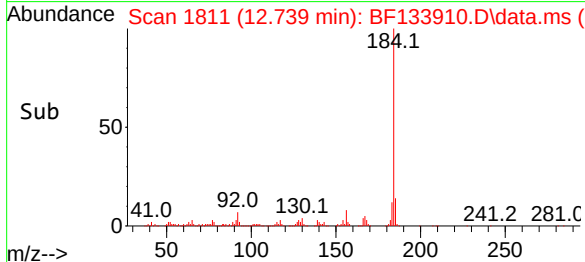
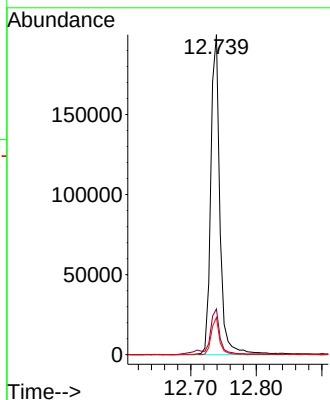
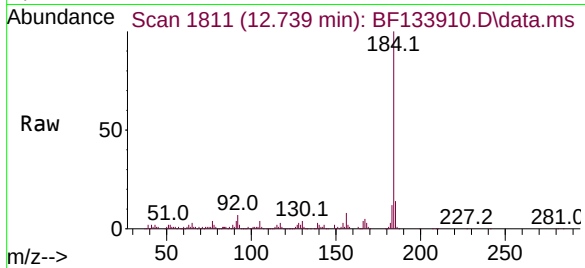




#77
Benzidine
Concen: 19.483 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF133910.D
Acq: 22 Jun 2023 20:04

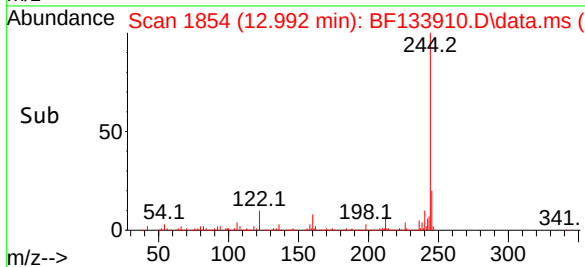
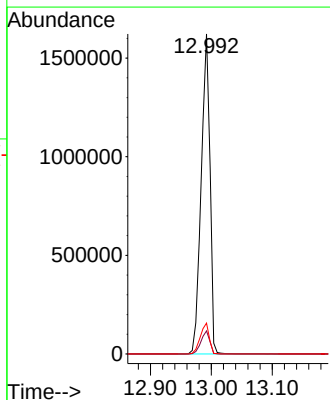
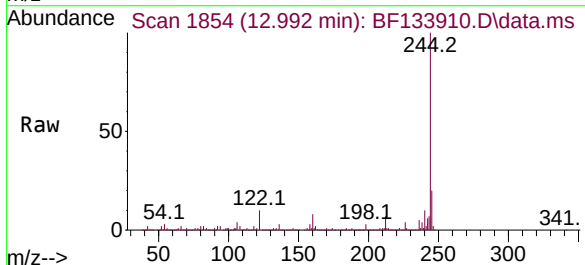
Instrument :
BNA_F
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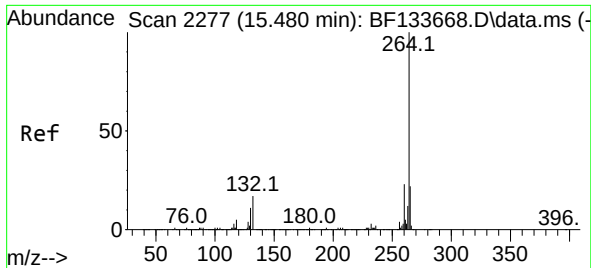
Tgt Ion:184 Resp: 193645
Ion Ratio Lower Upper
184 100
185 14.3 11.6 17.4
183 11.6 8.4 12.6



#79
Terphenyl-d14
Concen: 84.438 ng
RT: 12.992 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF133910.D
Acq: 22 Jun 2023 20:04

Tgt Ion:244 Resp: 1616299
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 9.6 8.1 12.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133910.D
Acq: 22 Jun 2023 20:04

Instrument :
BNA_F
ClientSampleId :
WC-10

Tgt Ion:264 Resp: 233975

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.2
265	20.8	17.8	26.6

