

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031723\
 Data File : BF132830.D
 Acq On : 17 Mar 2023 19:01
 Operator : CG\JU
 Sample : 01928-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 031423-1

Quant Time: Mar 17 23:30:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 03:35:59 2023
 Response via : Initial Calibration

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

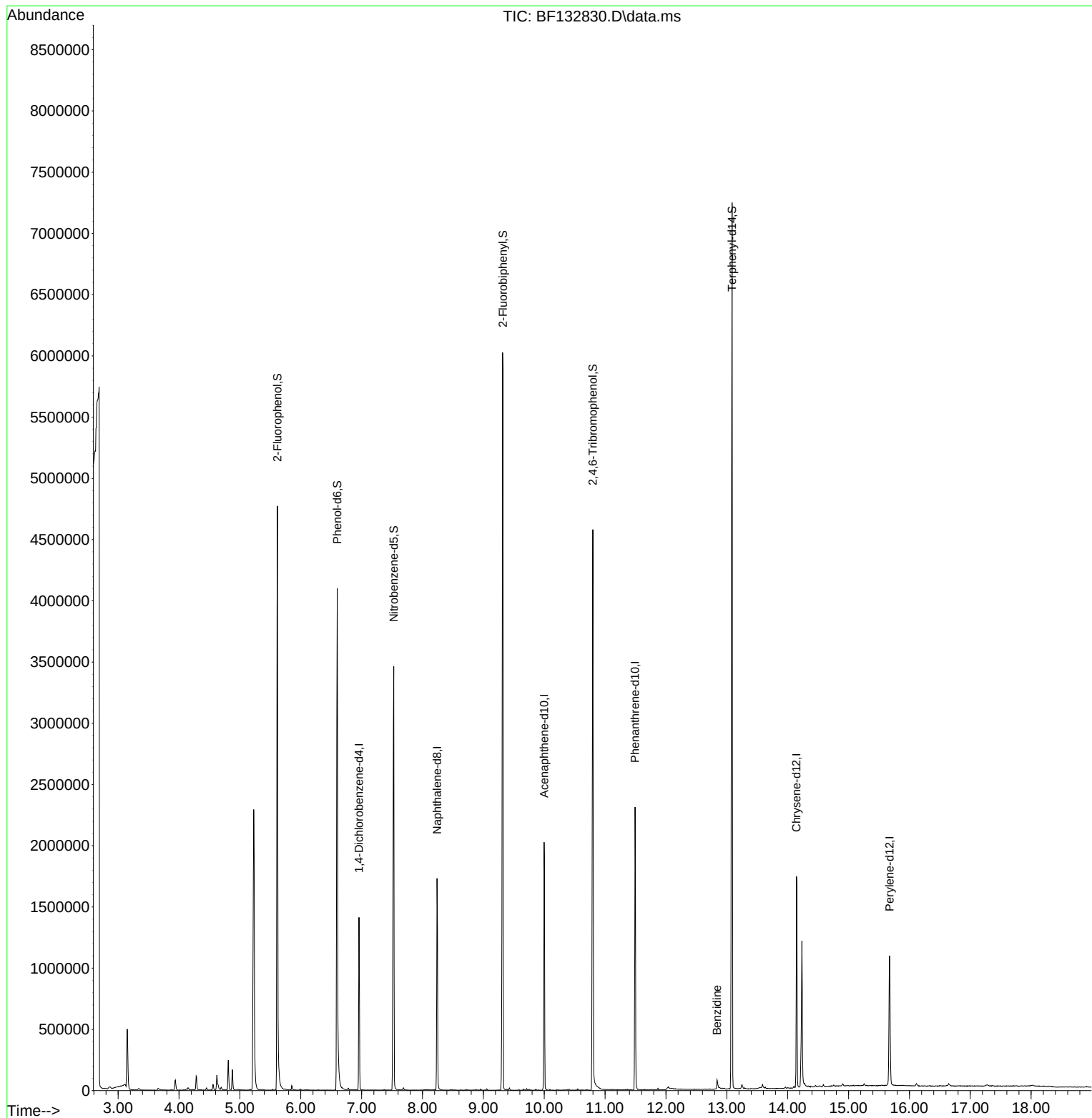
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	198187	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	769625	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	429887	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	873142	20.000	ng	0.00
76) Chrysene-d12	14.145	240	613732	20.000	ng	0.00
86) Perylene-d12	15.674	264	531072	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	1521944	129.581	ng	0.03
7) Phenol-d6	6.598	99	1742735	114.316	ng	0.00
23) Nitrobenzene-d5	7.528	82	1338171	88.980	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	614446	134.456	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2186202	83.539	ng	0.00
79) Terphenyl-d14	13.086	244	2776089	81.677	ng	0.00
Target Compounds						
77) Benzidine	12.839	184	43494	11.379	ng	Qvalue 99

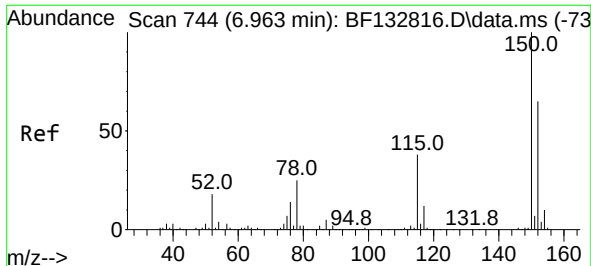
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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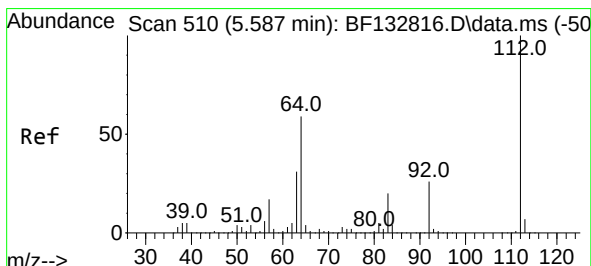
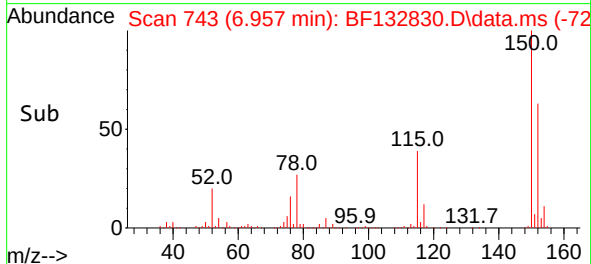
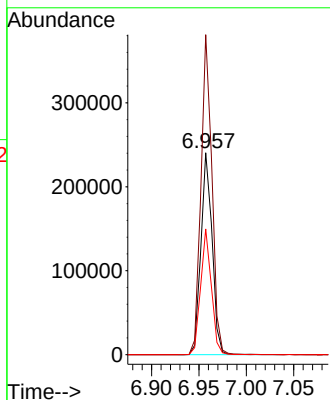
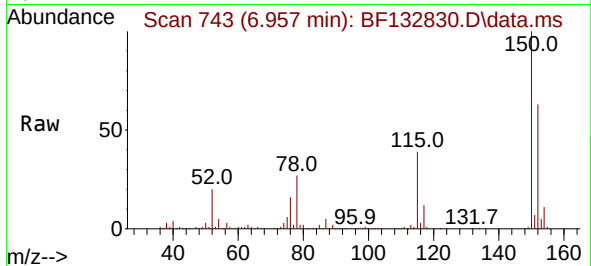




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF132830.D
Acq: 17 Mar 2023 19:01

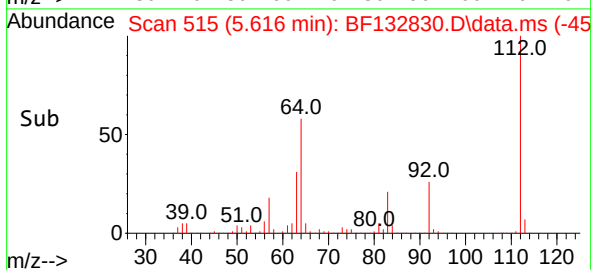
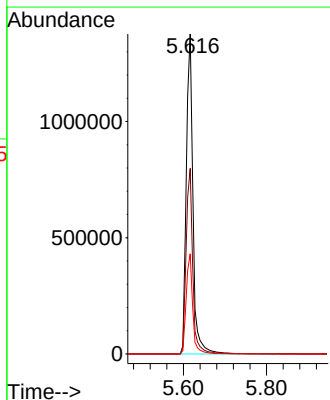
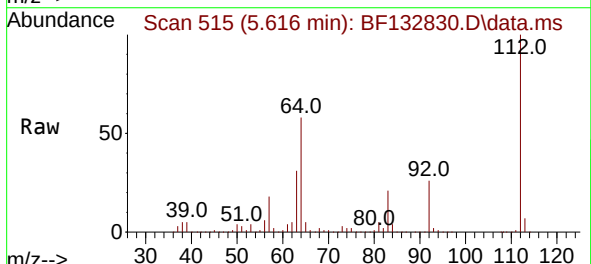
Instrument :
BNA_F
ClientSampleId :
031423-1

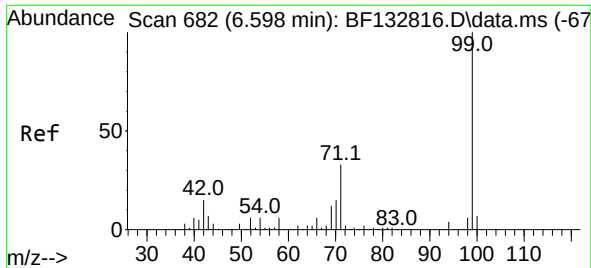
Tgt Ion:152 Resp: 198187
Ion Ratio Lower Upper
152 100
150 158.5 122.7 184.1
115 62.3 46.2 69.4



#5
2-Fluorophenol
Concen: 129.581 ng
RT: 5.616 min Scan# 515
Delta R.T. 0.030 min
Lab File: BF132830.D
Acq: 17 Mar 2023 19:01

Tgt Ion:112 Resp: 1521944
Ion Ratio Lower Upper
112 100
64 58.0 47.1 70.7
63 31.3 24.4 36.6

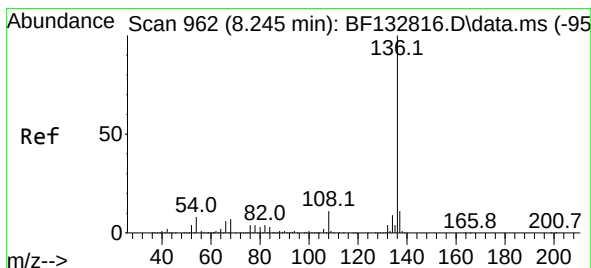
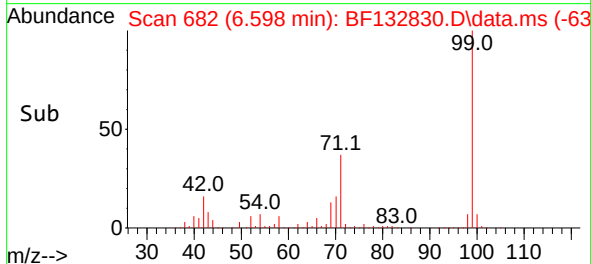
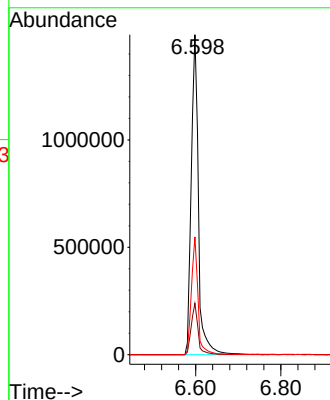
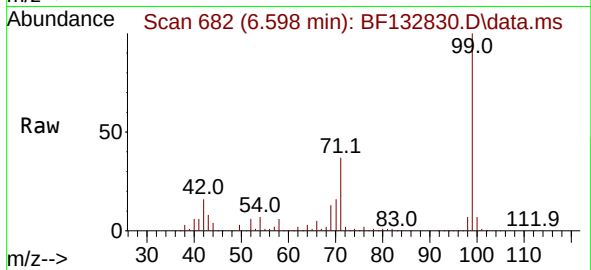




#7
Phenol-d6
Concen: 114.316 ng
RT: 6.598 min Scan# 61
Delta R.T. 0.000 min
Lab File: BF132830.D
Acq: 17 Mar 2023 19:01

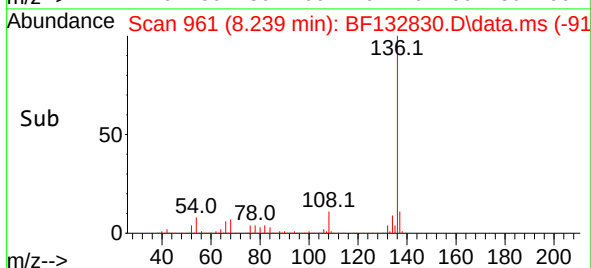
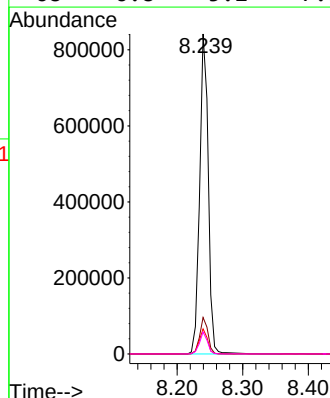
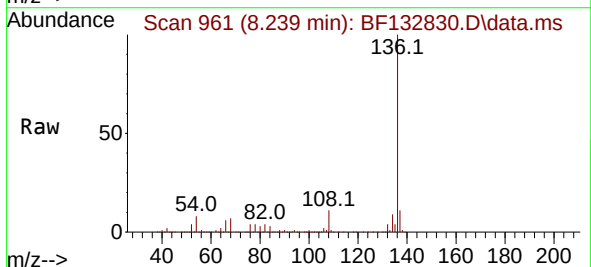
Instrument :
BNA_F
ClientSampleId :
031423-1

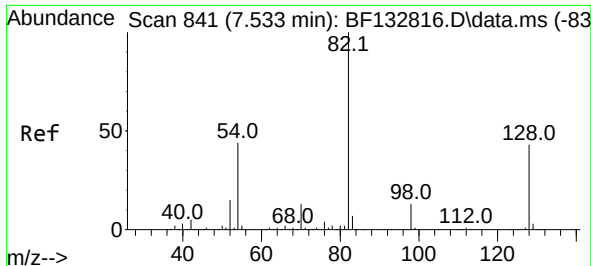
Tgt Ion: 99 Resp: 1742735
Ion Ratio Lower Upper
99 100
42 16.1 11.9 17.9
71 36.8 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 961
Delta R.T. -0.006 min
Lab File: BF132830.D
Acq: 17 Mar 2023 19:01

Tgt Ion:136 Resp: 769625
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 7.8 6.1 9.1
68 6.8 5.2 7.8





#23

Nitrobenzene-d5

Concen: 88.980 ng

RT: 7.528 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF132830.D

Acq: 17 Mar 2023 19:01

Instrument :

BNA_F

ClientSampleId :

031423-1

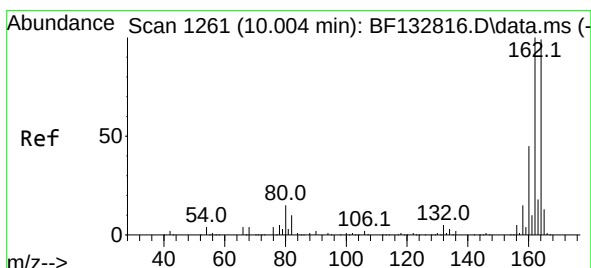
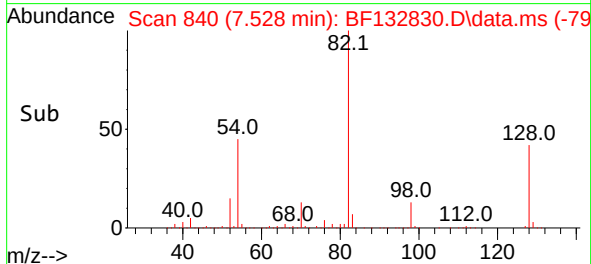
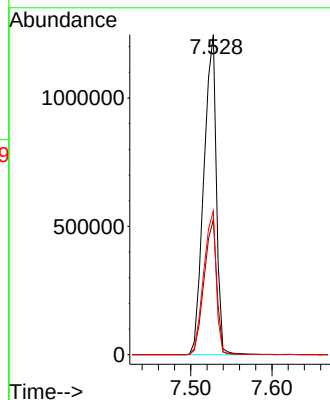
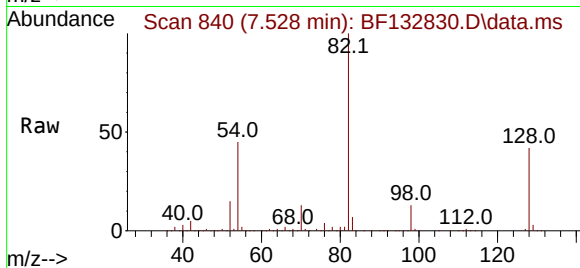
Tgt Ion: 82 Resp: 1338171

Ion Ratio Lower Upper

82 100

128 42.2 34.4 51.6

54 44.9 35.2 52.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1260

Delta R.T. -0.006 min

Lab File: BF132830.D

Acq: 17 Mar 2023 19:01

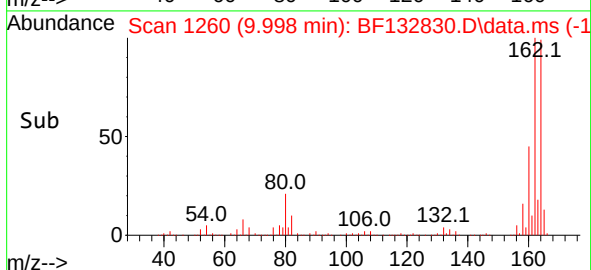
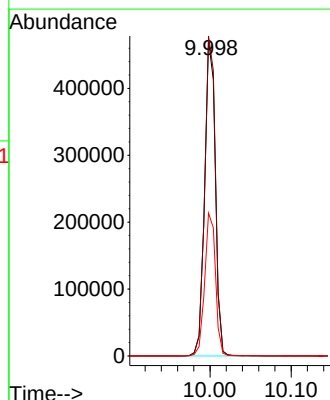
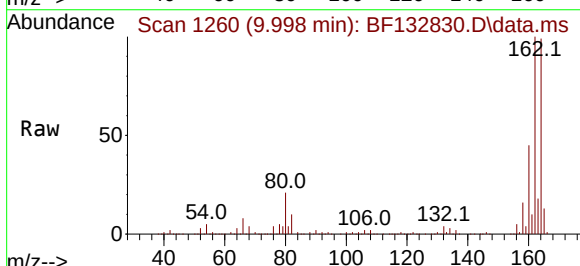
Tgt Ion: 164 Resp: 429887

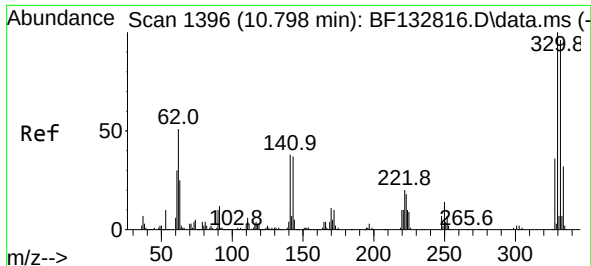
Ion Ratio Lower Upper

164 100

162 101.3 80.6 121.0

160 45.2 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 134.456 ng

RT: 10.798 min Scan# 1145

Delta R.T. 0.000 min

Lab File: BF132830.D

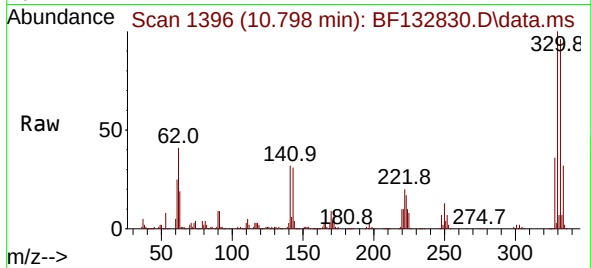
Acq: 17 Mar 2023 19:01

Instrument :

BNA_F

ClientSampleId :

031423-1



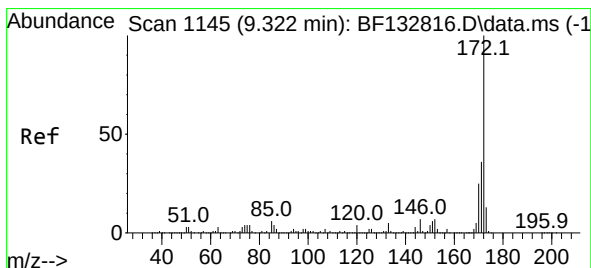
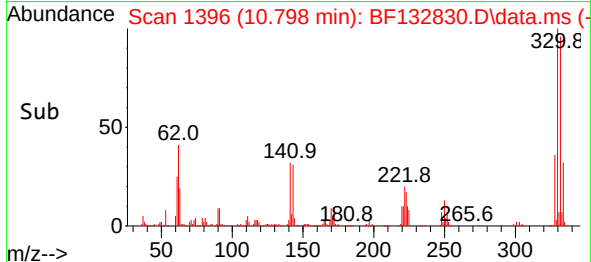
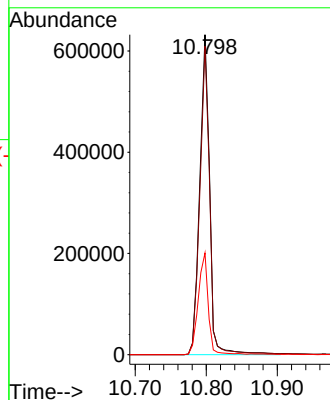
Tgt Ion:330 Resp: 614446

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

141 32.2 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 83.539 ng

RT: 9.322 min Scan# 1145

Delta R.T. 0.000 min

Lab File: BF132830.D

Acq: 17 Mar 2023 19:01

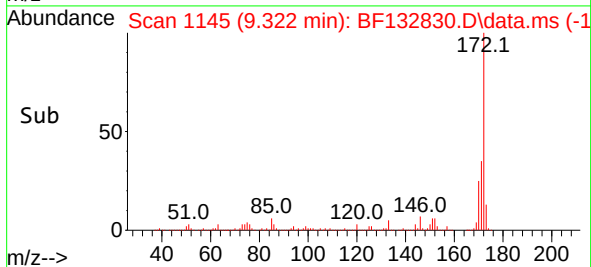
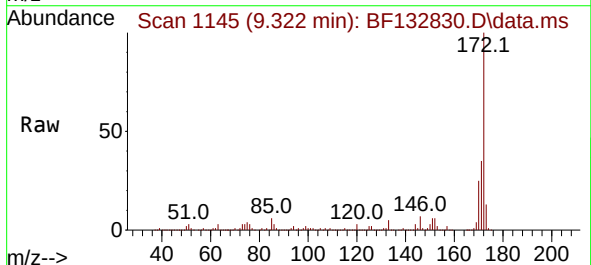
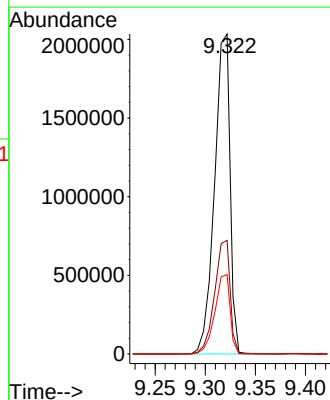
Tgt Ion:172 Resp: 2186202

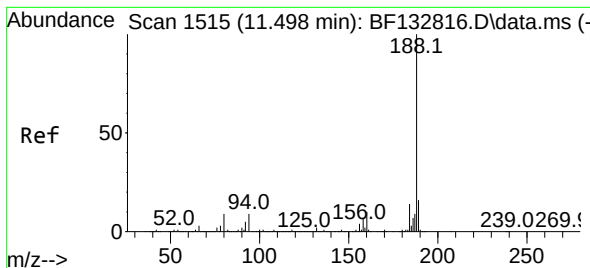
Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 24.8 19.8 29.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132830.D

Acq: 17 Mar 2023 19:01

Instrument :

BNA_F

ClientSampleId :

031423-1

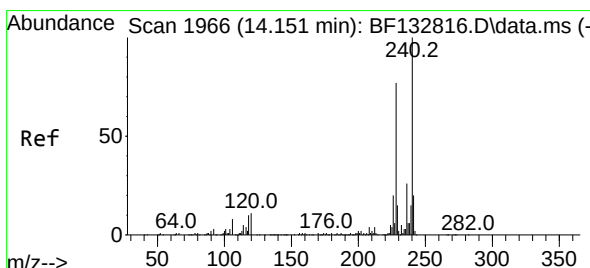
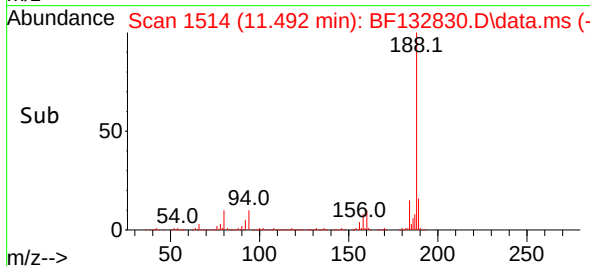
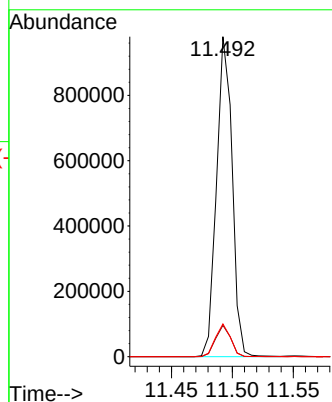
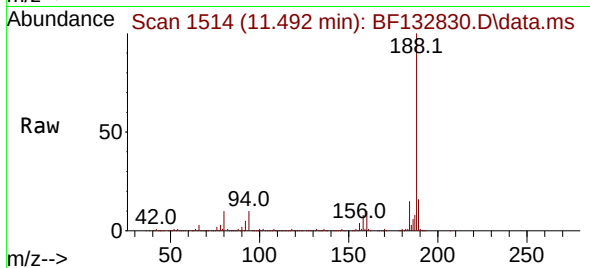
Tgt Ion:188 Resp: 873142

Ion Ratio Lower Upper

188 100

94 9.8 7.5 11.3

80 10.2 7.5 11.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BF132830.D

Acq: 17 Mar 2023 19:01

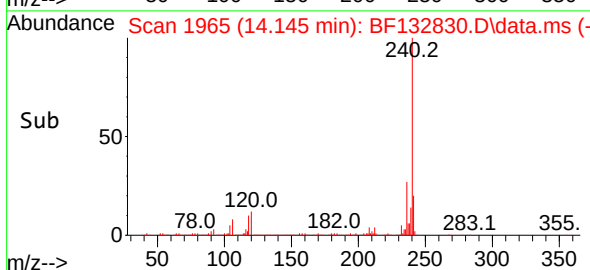
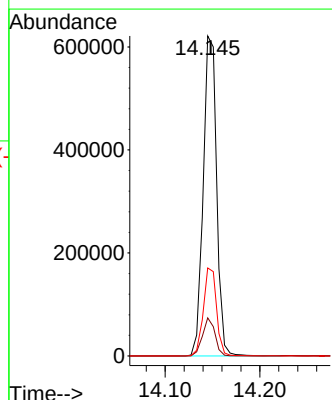
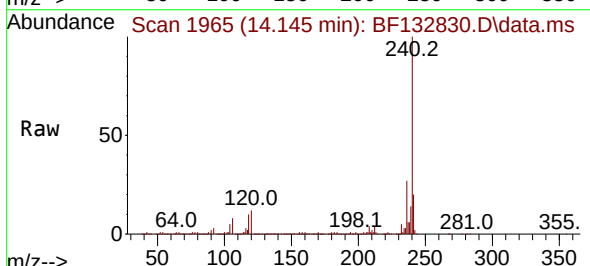
Tgt Ion:240 Resp: 613732

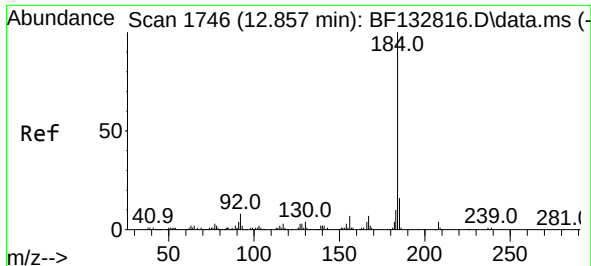
Ion Ratio Lower Upper

240 100

120 11.9 9.1 13.7

236 27.5 21.2 31.8

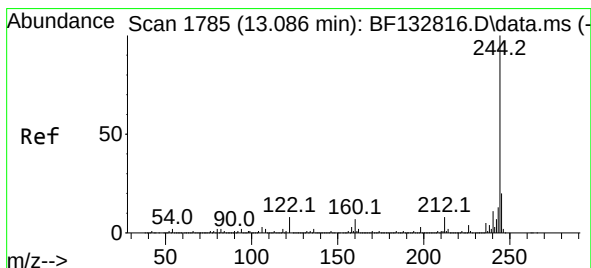
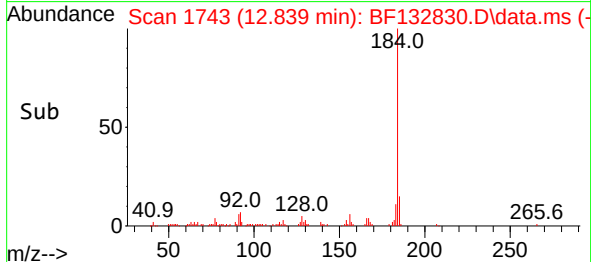
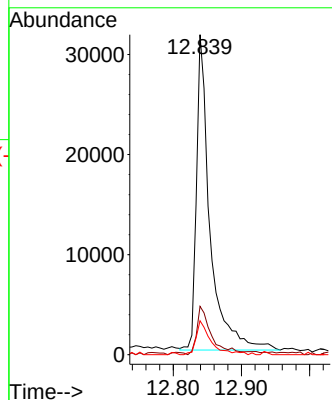
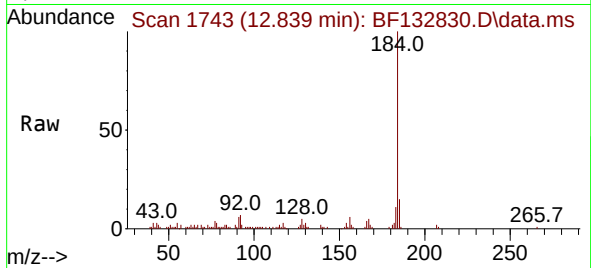




#77
Benzidine
Concen: 11.379 ng
RT: 12.839 min Scan# 1743
Delta R.T. -0.018 min
Lab File: BF132830.D
Acq: 17 Mar 2023 19:01

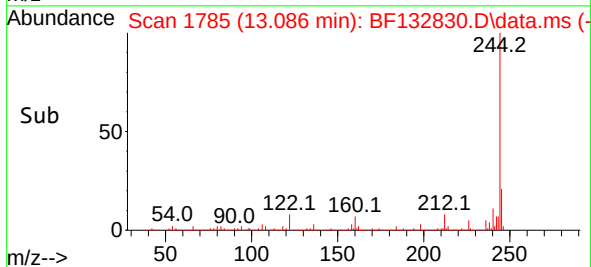
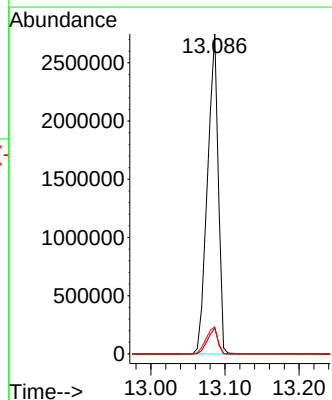
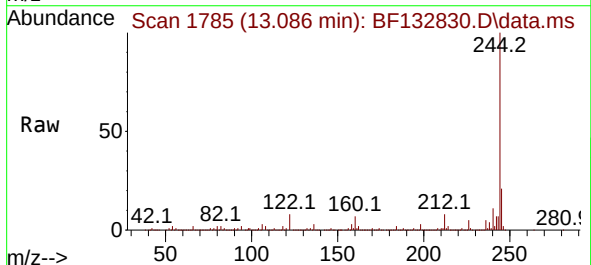
Instrument :
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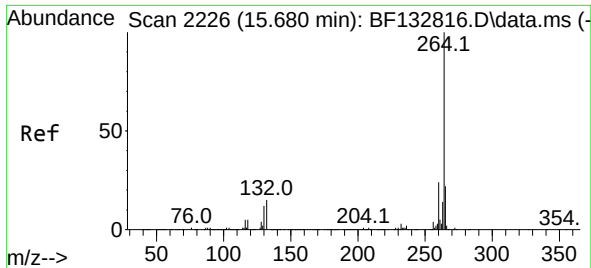
Tgt Ion:184 Resp: 43494
Ion Ratio Lower Upper
184 100
185 15.1 12.6 19.0
183 10.6 8.2 12.4



#79
Terphenyl-d14
Concen: 81.677 ng
RT: 13.086 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF132830.D
Acq: 17 Mar 2023 19:01

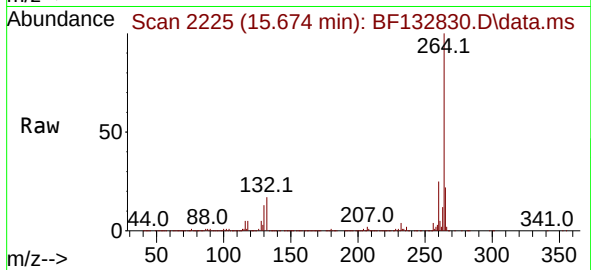
Tgt Ion:244 Resp: 2776089
Ion Ratio Lower Upper
244 100
212 8.1 6.3 9.5
122 8.5 6.6 9.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.674 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF132830.D
 Acq: 17 Mar 2023 19:01

Instrument :
 BNA_F
 ClientSampleId :
 031423-1



Tgt Ion:264 Resp: 531072
 Ion Ratio Lower Upper
 264 100
 260 25.5 18.9 28.3
 265 21.6 17.4 26.0

