

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100422\
 Data File : BF130521.D
 Acq On : 04 Oct 2022 16:43
 Operator : CG\JU
 Sample : N4909-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-4

Quant Time: Oct 05 02:19:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

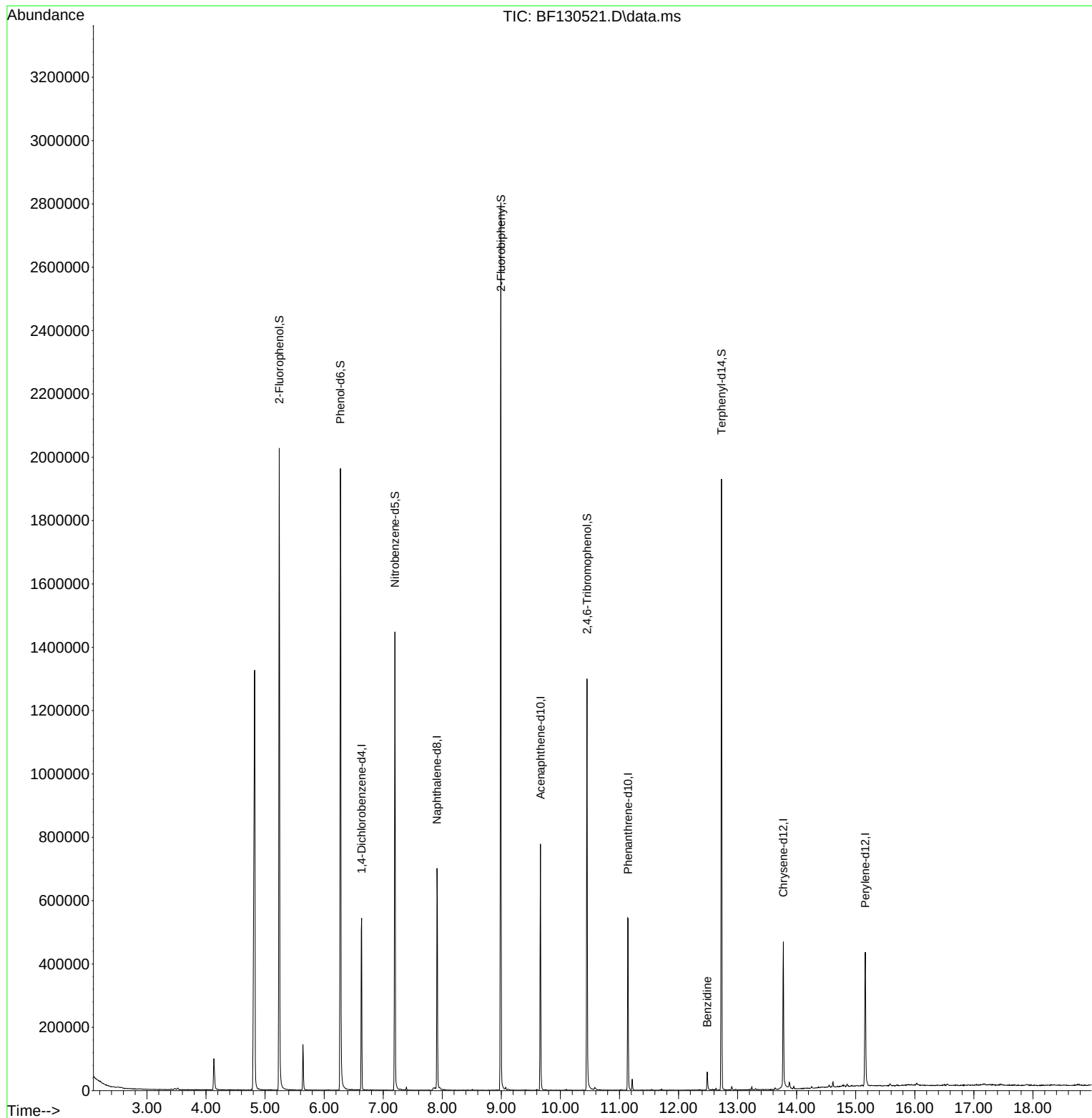
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.634	152	77628	20.000	ng	-0.01
21) Naphthalene-d8	7.910	136	308270	20.000	ng	-0.02
39) Acenaphthene-d10	9.663	164	146066	20.000	ng	-0.02
64) Phenanthrene-d10	11.145	188	210939	20.000	ng	-0.01
76) Chrysene-d12	13.774	240	149302	20.000	ng	-0.02
86) Perylene-d12	15.163	264	183501	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.240	112	553750	123.726	ng	0.00
7) Phenol-d6	6.275	99	688918	123.020	ng	-0.02
23) Nitrobenzene-d5	7.198	82	441473	73.164	ng	-0.02
42) 2,4,6-Tribromophenol	10.451	330	143687	102.664	ng	-0.02
45) 2-Fluorobiphenyl	8.992	172	778035	77.565	ng	-0.02
79) Terphenyl-d14	12.727	244	592606	65.749	ng	-0.02
Target Compounds						Qvalue
77) Benzidine	12.486	184	26978	6.225	ng	96

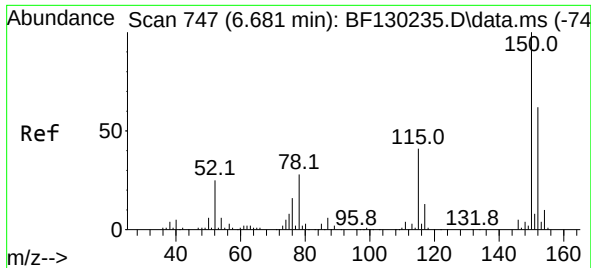
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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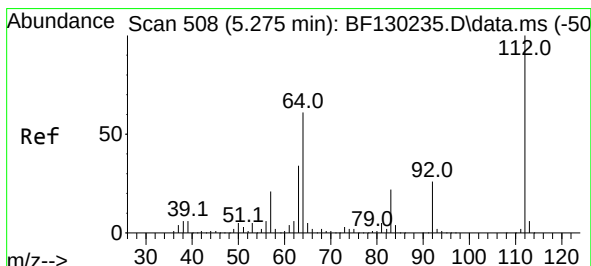
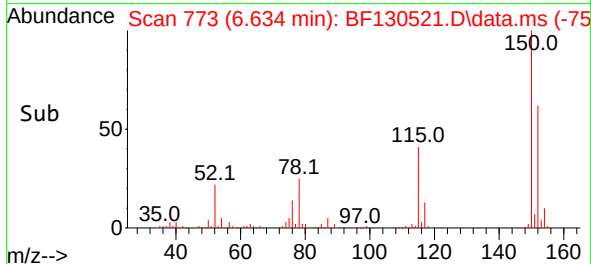
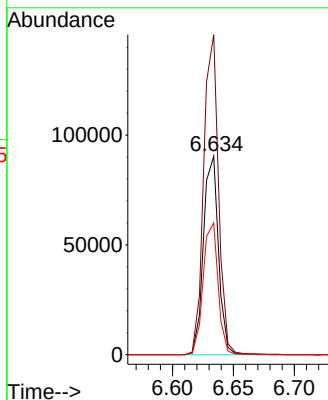
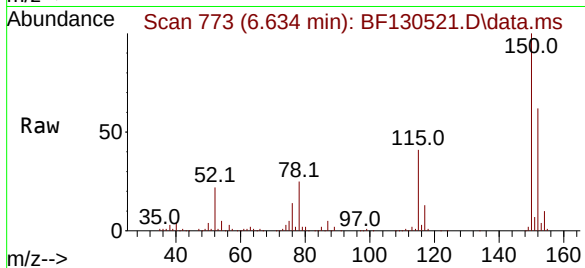




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.634 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF130521.D
Acq: 04 Oct 2022 16:43

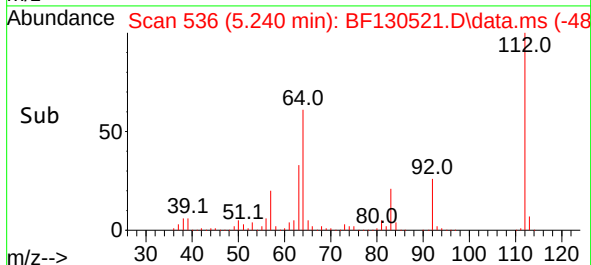
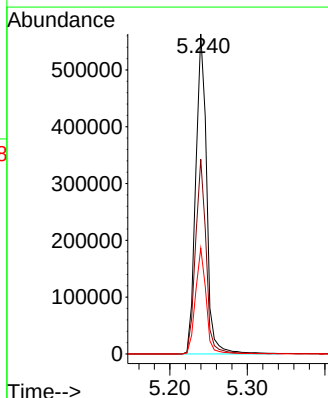
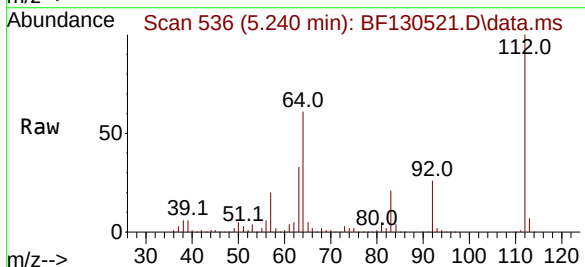
Instrument :
BNA_F
ClientSampleId :
PE-4

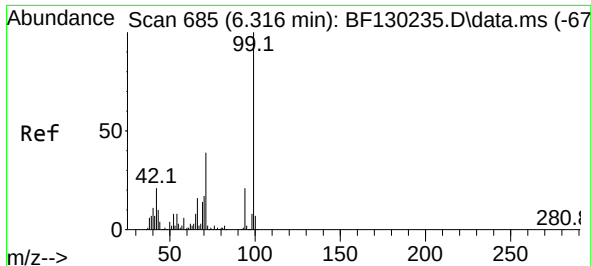
Tgt Ion:152 Resp: 77628
Ion Ratio Lower Upper
152 100
150 161.3 122.8 184.2
115 66.5 53.8 80.8



#5
2-Fluorophenol
Concen: 123.726 ng
RT: 5.240 min Scan# 536
Delta R.T. -0.006 min
Lab File: BF130521.D
Acq: 04 Oct 2022 16:43

Tgt Ion:112 Resp: 553750
Ion Ratio Lower Upper
112 100
64 60.8 51.4 77.0
63 33.0 28.8 43.2

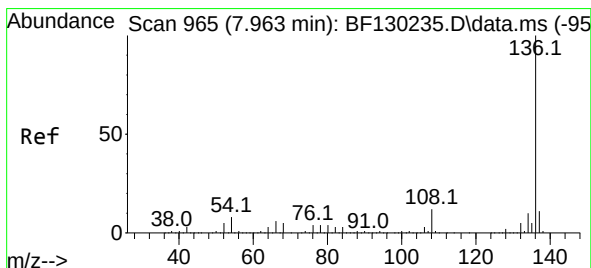
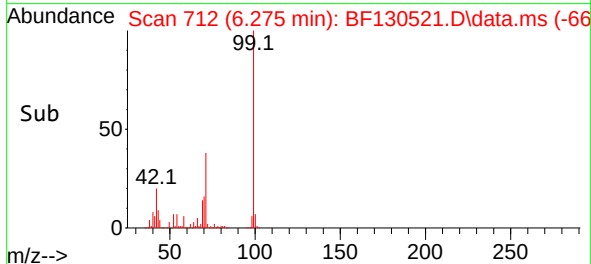
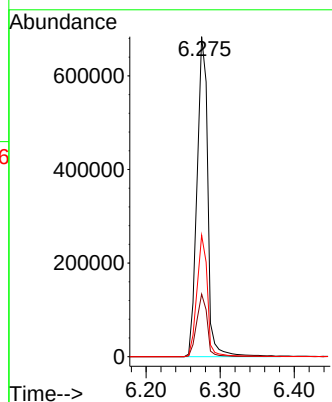
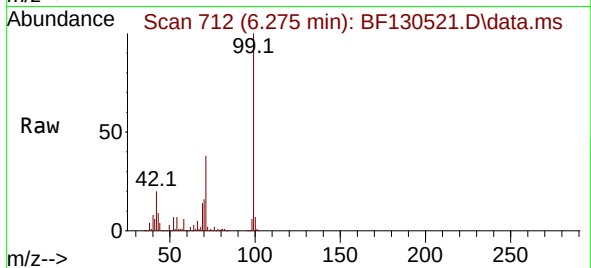




#7
Phenol-d6
Concen: 123.020 ng
RT: 6.275 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF130521.D
Acq: 04 Oct 2022 16:43

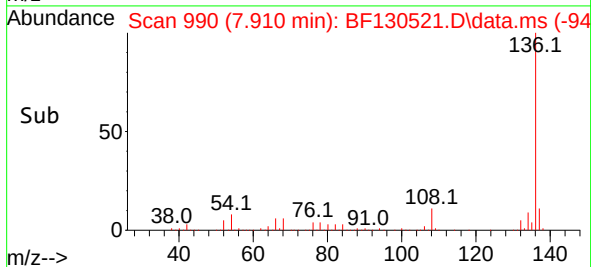
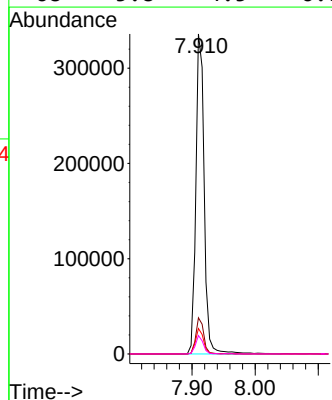
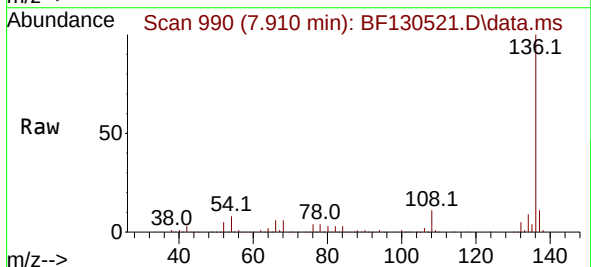
Instrument :
BNA_F
ClientSampleId :
PE-4

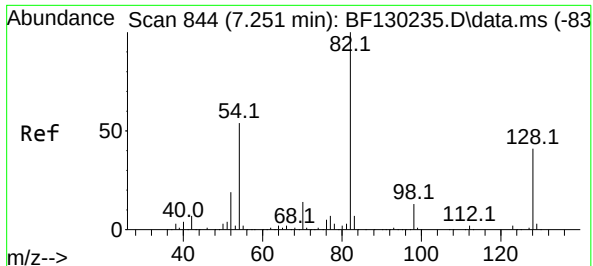
Tgt Ion: 99 Resp: 688918
Ion Ratio Lower Upper
99 100
42 19.5 17.0 25.6
71 37.9 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.910 min Scan# 990
Delta R.T. -0.017 min
Lab File: BF130521.D
Acq: 04 Oct 2022 16:43

Tgt Ion: 136 Resp: 308270
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.0 7.1 10.7
68 5.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 73.164 ng

RT: 7.198 min Scan# 8

Delta R.T. -0.017 min

Lab File: BF130521.D

Acq: 04 Oct 2022 16:43

Instrument :

BNA_F

ClientSampleId :

PE-4

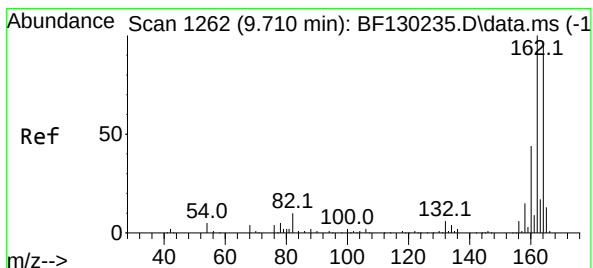
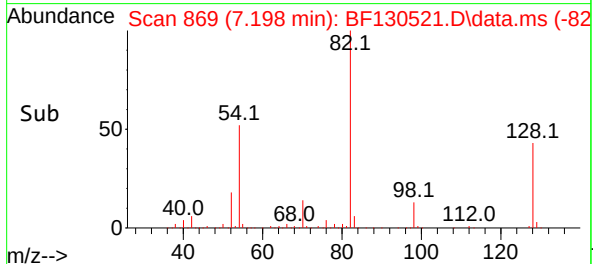
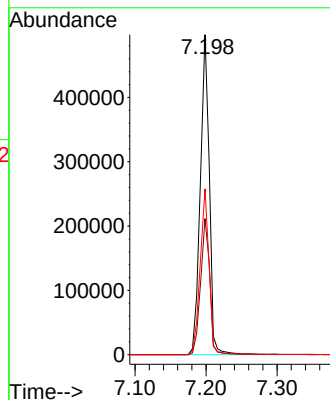
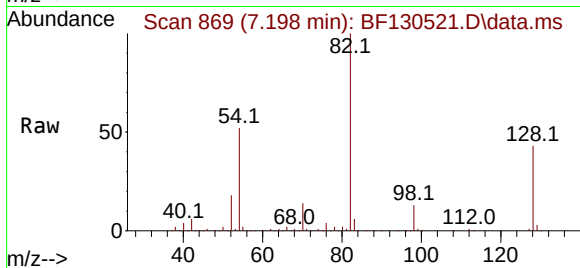
Tgt Ion: 82 Resp: 441473

Ion Ratio Lower Upper

82 100

128 42.5 32.6 49.0

54 51.8 43.8 65.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.663 min Scan# 1288

Delta R.T. -0.018 min

Lab File: BF130521.D

Acq: 04 Oct 2022 16:43

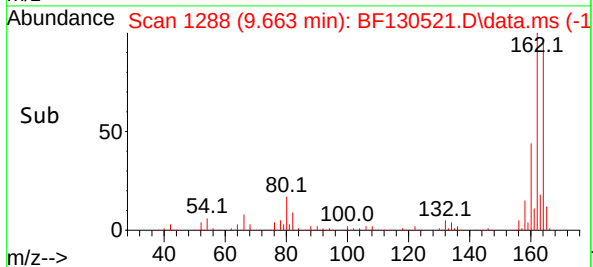
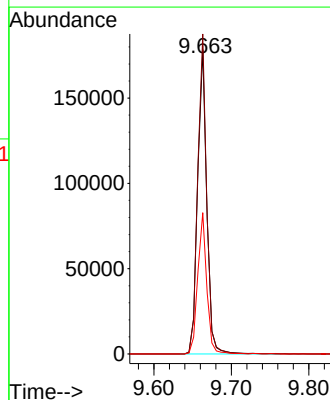
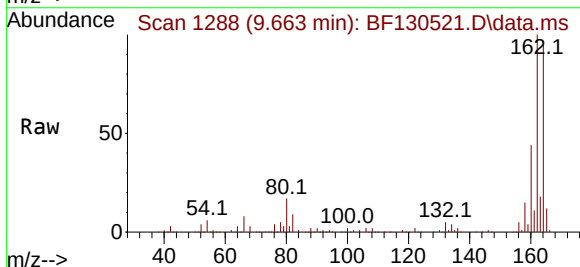
Tgt Ion:164 Resp: 146066

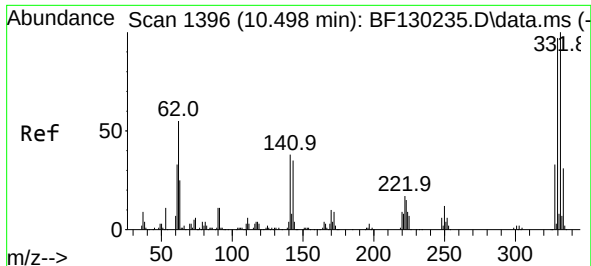
Ion Ratio Lower Upper

164 100

162 105.1 81.4 122.0

160 46.4 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 102.664 ng

RT: 10.451 min Scan# 1422

Delta R.T. -0.018 min

Lab File: BF130521.D

Acq: 04 Oct 2022 16:43

Instrument :

BNA_F

ClientSampleId :

PE-4

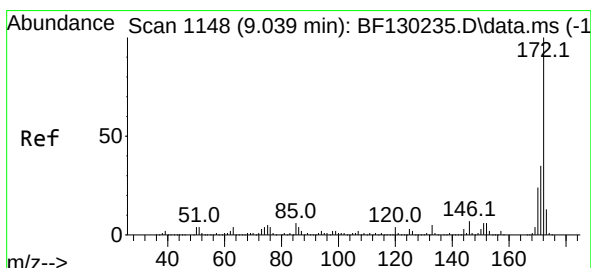
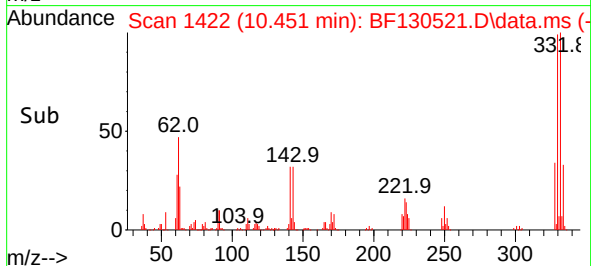
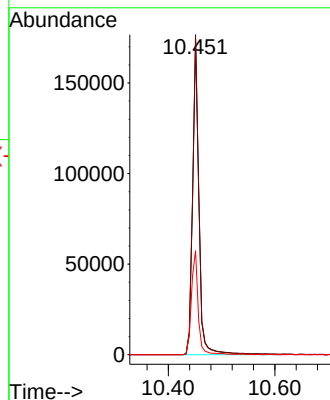
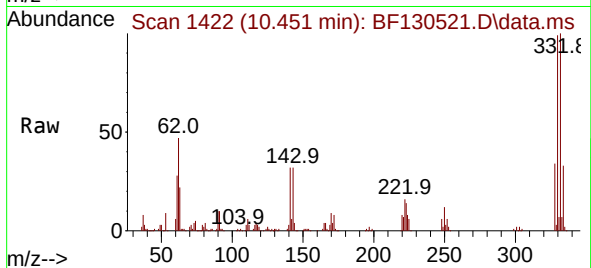
Tgt Ion:330 Resp: 143687

Ion Ratio Lower Upper

330 100

332 101.0 83.4 125.2

141 34.9 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 77.565 ng

RT: 8.992 min Scan# 1174

Delta R.T. -0.017 min

Lab File: BF130521.D

Acq: 04 Oct 2022 16:43

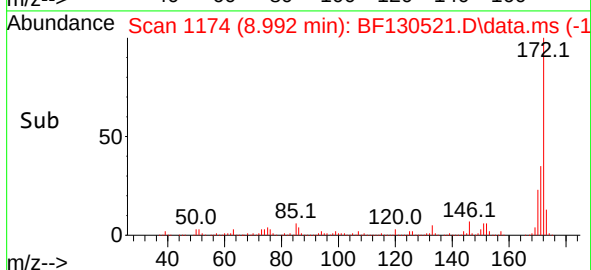
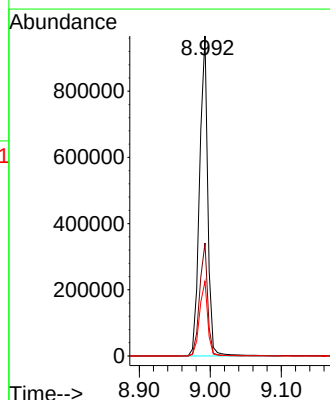
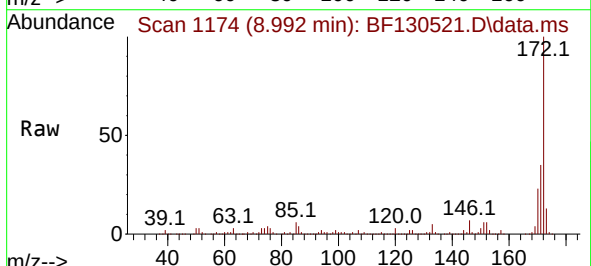
Tgt Ion:172 Resp: 778035

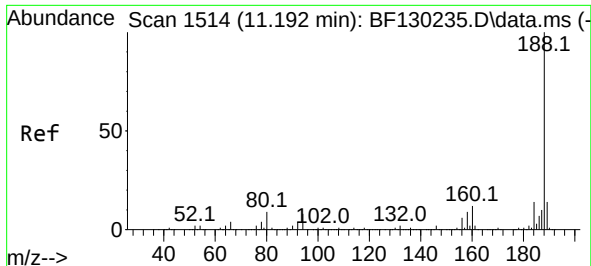
Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.4 18.7 28.1

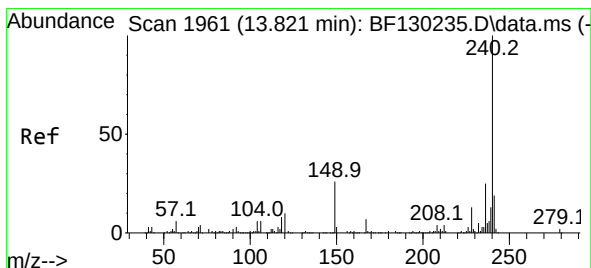
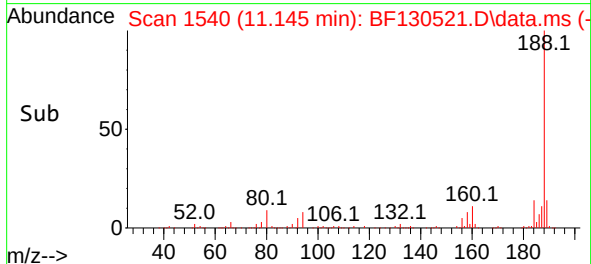
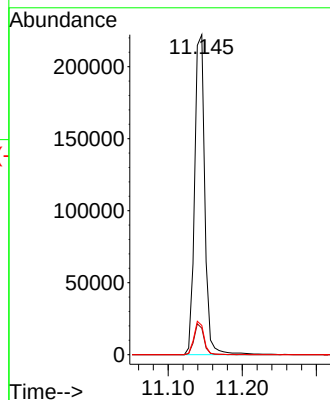
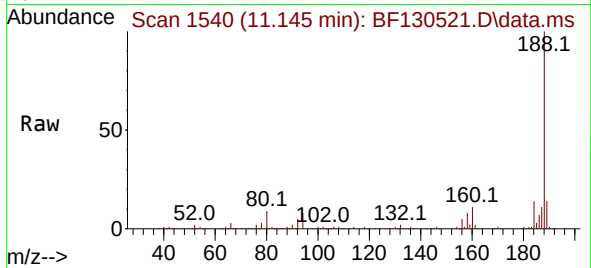




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF130521.D
Acq: 04 Oct 2022 16:43

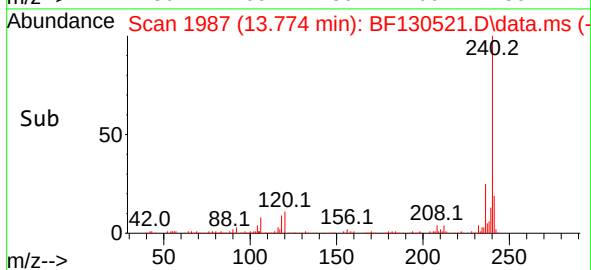
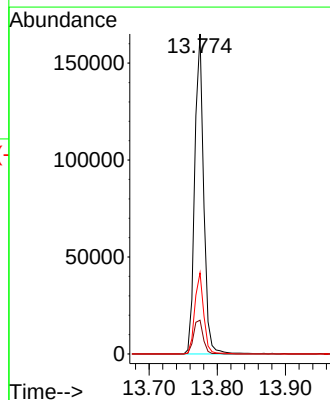
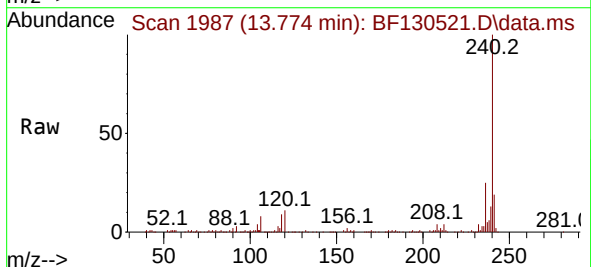
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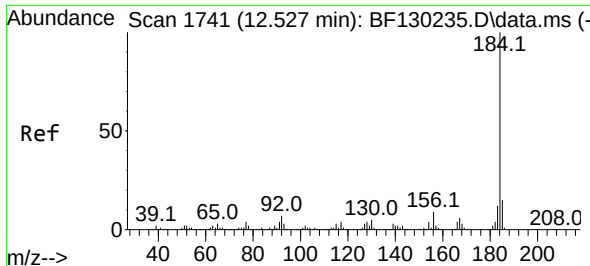
Tgt Ion:188 Resp: 210939
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.2
80 9.1 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.774 min Scan# 1987
Delta R.T. -0.017 min
Lab File: BF130521.D
Acq: 04 Oct 2022 16:43

Tgt Ion:240 Resp: 149302
Ion Ratio Lower Upper
240 100
120 10.5 8.7 13.1
236 25.3 20.9 31.3

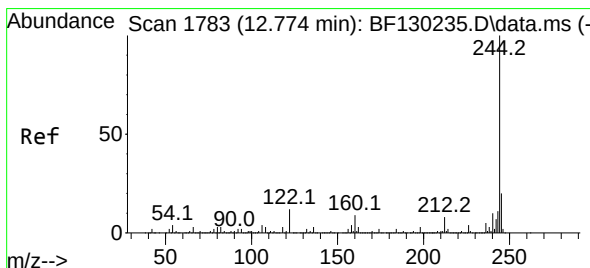
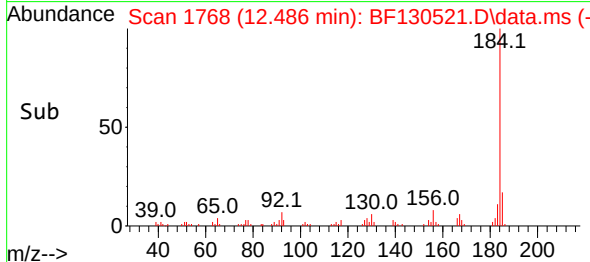
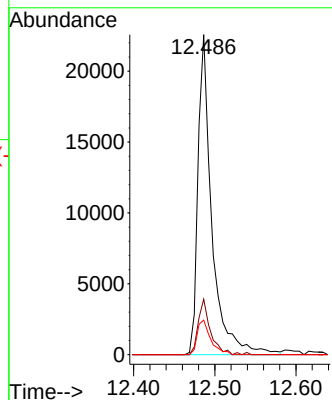
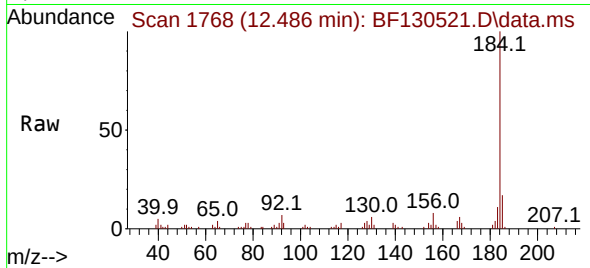




#77
Benzidine
Concen: 6.225 ng
RT: 12.486 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130521.D
Acq: 04 Oct 2022 16:43

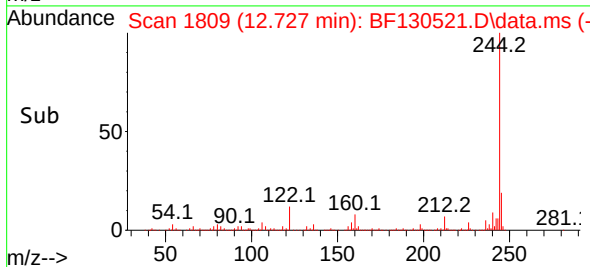
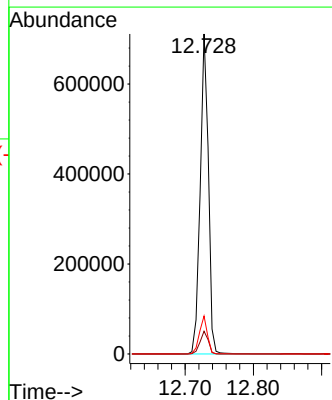
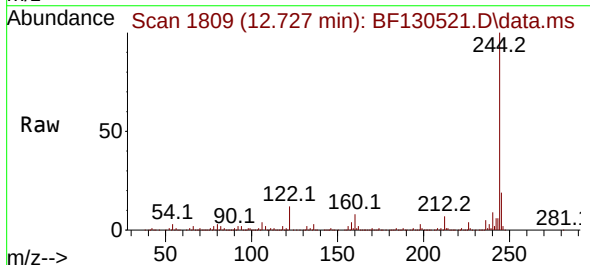
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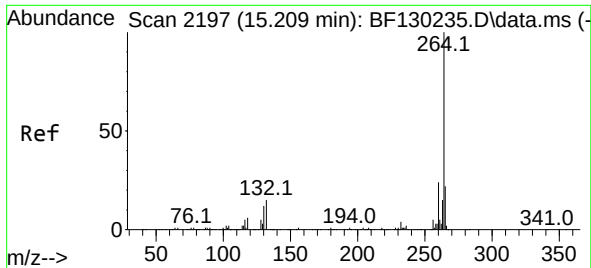
Tgt Ion:184 Resp: 26978
Ion Ratio Lower Upper
184 100
185 17.4 11.8 17.6
183 10.8 9.1 13.7



#79
Terphenyl-d14
Concen: 65.749 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.017 min
Lab File: BF130521.D
Acq: 04 Oct 2022 16:43

Tgt Ion:244 Resp: 592606
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 11.8 8.5 12.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.163 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF130521.D
 Acq: 04 Oct 2022 16:43

Instrument :
 BNA_F
 ClientSampleId :
 PE-4

Tgt Ion:264 Resp: 183501
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.3 28.9
 265 21.8 17.0 25.4

