

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042023\
 Data File : BF132943.D
 Acq On : 20 Apr 2023 18:28
 Operator : CG\JU
 Sample : 02288-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Apr 21 02:15:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 20 14:15:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	312244	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	1245780	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	652374	20.000	ng	0.00
64) Phenanthrene-d10	11.275	188	1190720	20.000	ng	0.00
76) Chrysene-d12	13.916	240	836121	20.000	ng	0.00
86) Perylene-d12	15.339	264	706496	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	2630227	131.718	ng	0.02
7) Phenol-d6	6.393	99	3033073	119.034	ng	0.00
23) Nitrobenzene-d5	7.322	82	2270261	94.990	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	1050240	160.505	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	3651747	85.992	ng	0.00
79) Terphenyl-d14	12.874	244	4346419	88.687	ng	0.00

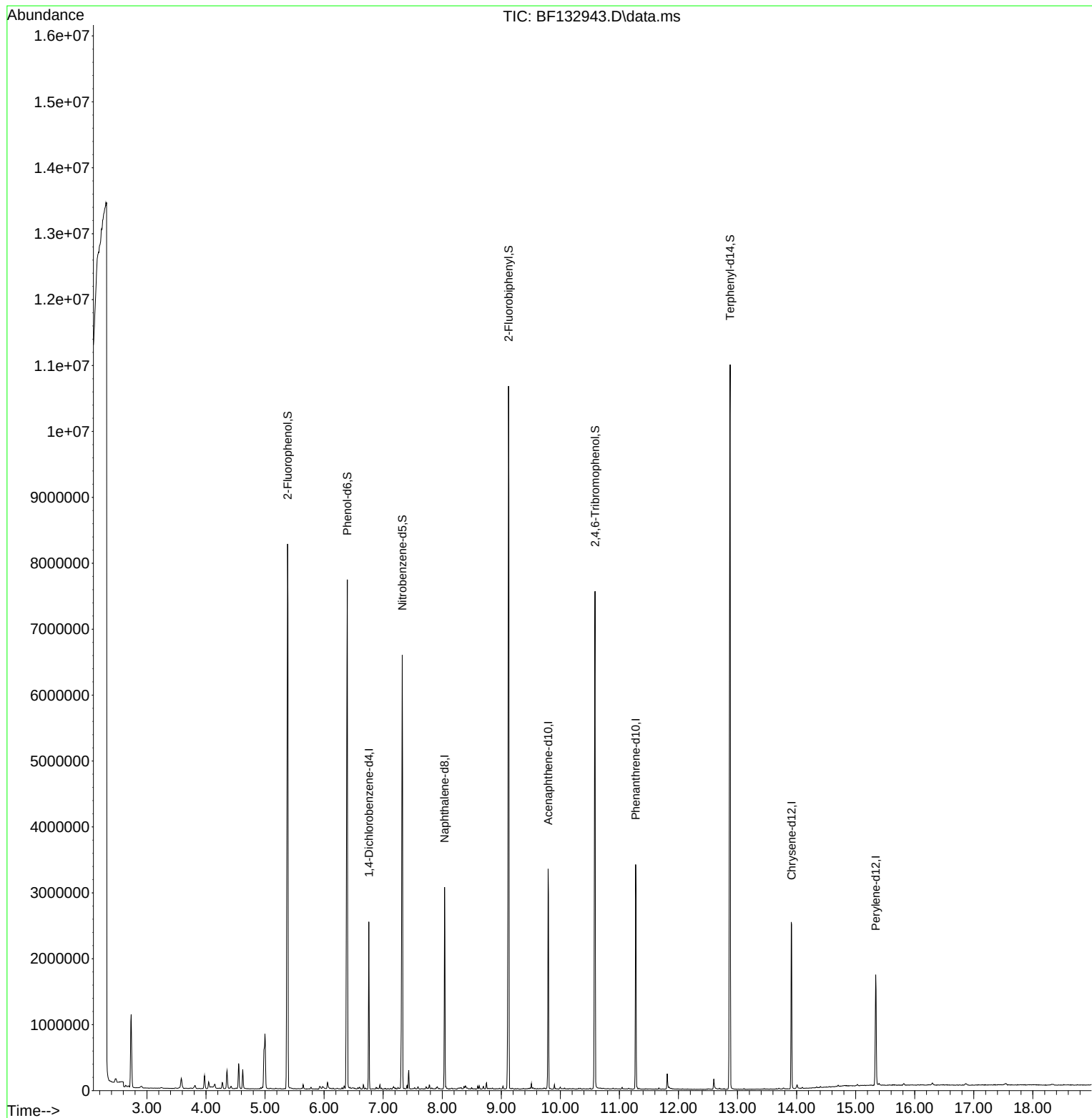
Target Compounds Qvalue

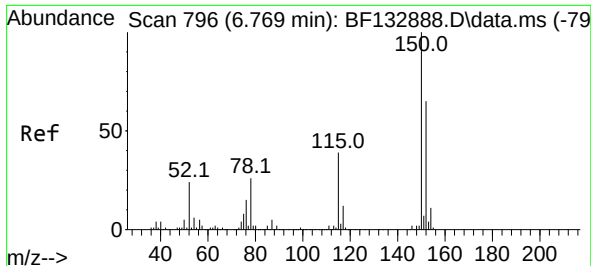
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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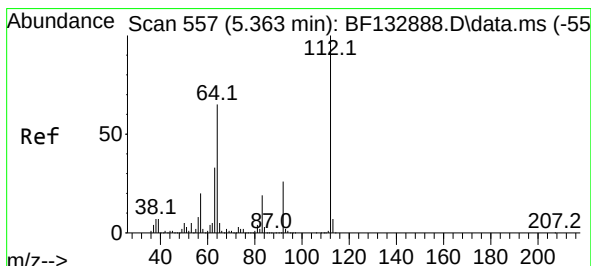
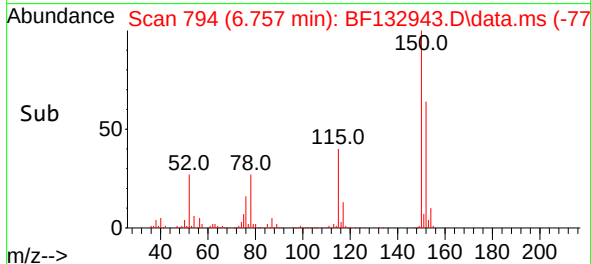
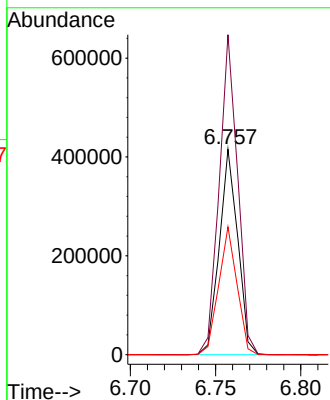
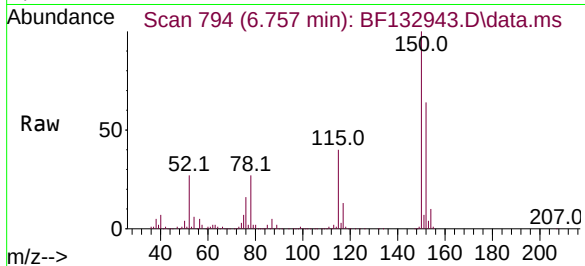




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: BF132943.D
 Acq: 20 Apr 2023 18:28

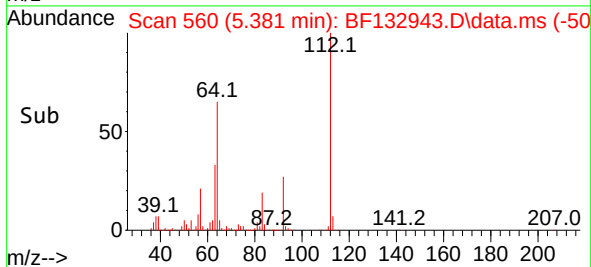
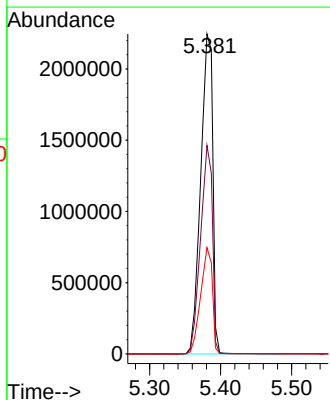
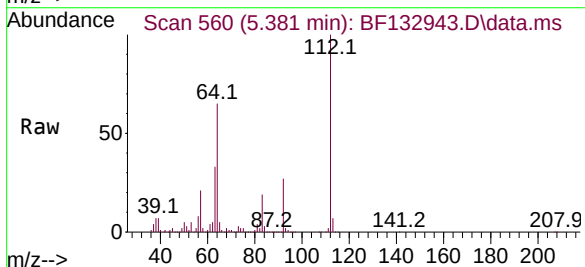
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

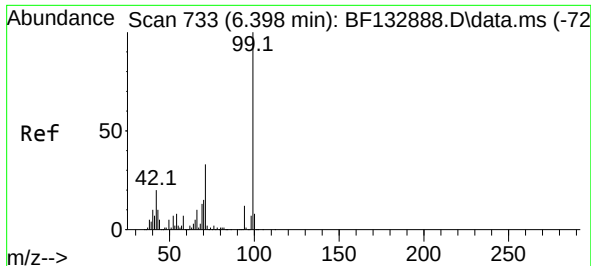
Tgt Ion:152 Resp: 312244
 Ion Ratio Lower Upper
 152 100
 150 155.9 122.8 184.2
 115 62.2 47.3 70.9



#5
 2-Fluorophenol
 Concen: 131.718 ng
 RT: 5.381 min Scan# 560
 Delta R.T. 0.024 min
 Lab File: BF132943.D
 Acq: 20 Apr 2023 18:28

Tgt Ion:112 Resp: 2630227
 Ion Ratio Lower Upper
 112 100
 64 65.1 51.8 77.8
 63 33.2 26.3 39.5

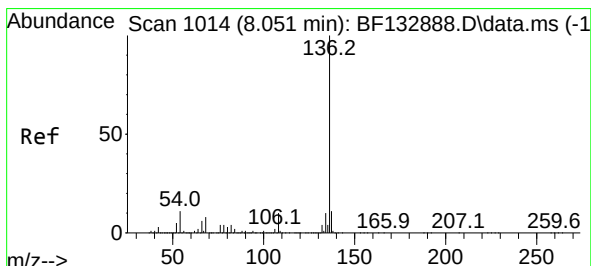
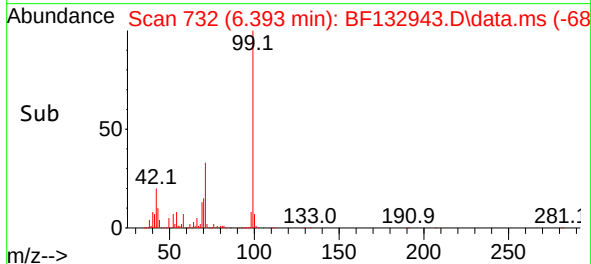
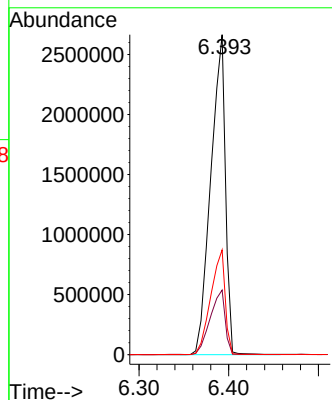
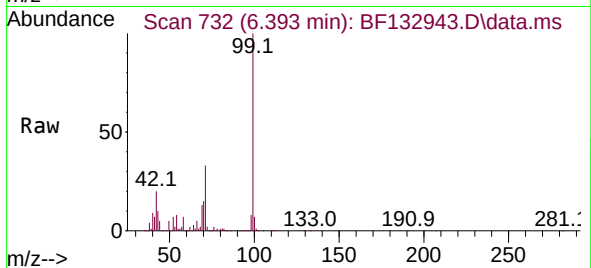




#7
Phenol-d6
Concen: 119.034 ng
RT: 6.393 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

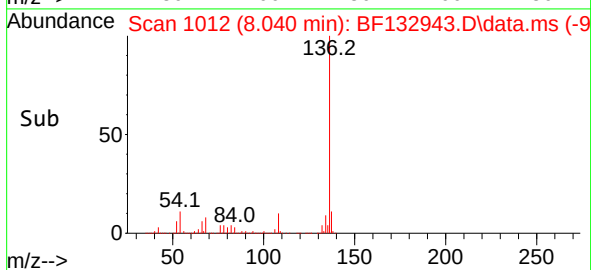
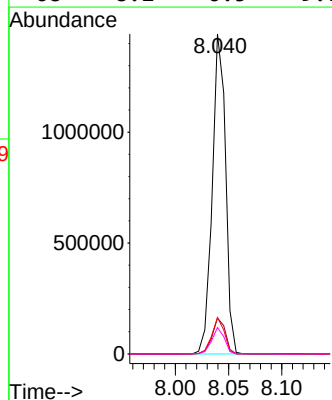
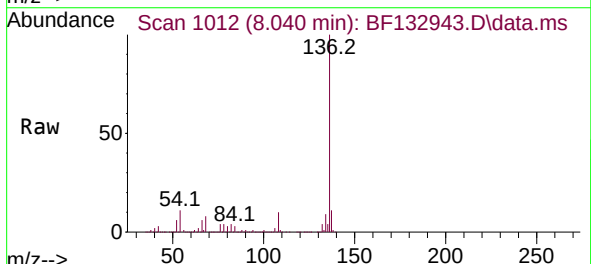
Instrument :
BNA_F
ClientSampleId :
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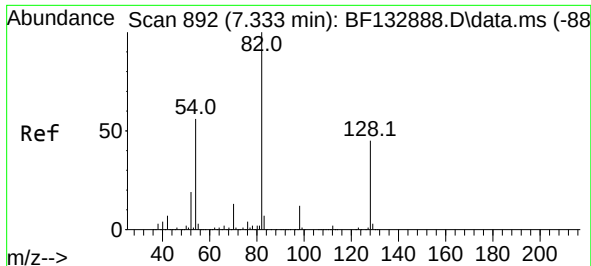
Tgt Ion: 99 Resp: 3033073
Ion Ratio Lower Upper
99 100
42 20.2 16.1 24.1
71 32.7 26.1 39.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.040 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

Tgt Ion: 136 Resp: 1245780
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 11.4 8.9 13.3
68 8.2 6.5 9.7





#23

Nitrobenzene-d5

Concen: 94.990 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF132943.D

Acq: 20 Apr 2023 18:28

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

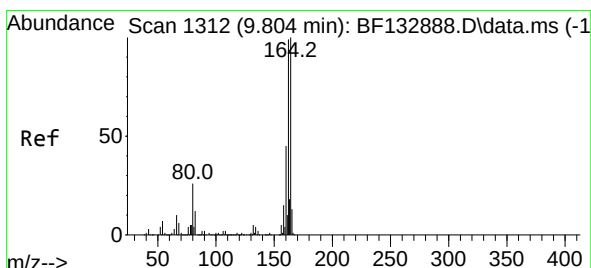
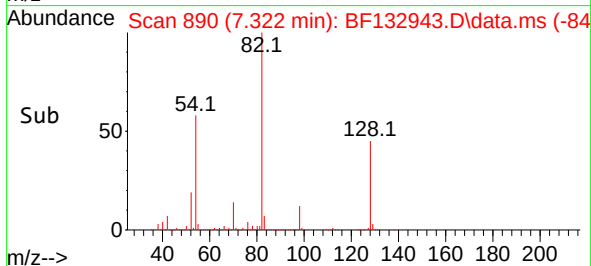
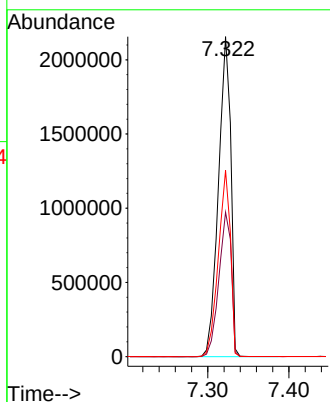
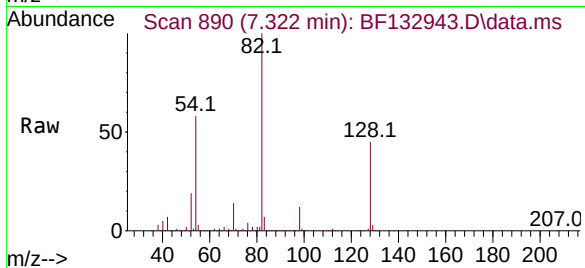
Tgt Ion: 82 Resp: 2270261

Ion Ratio Lower Upper

82 100

128 45.1 35.7 53.5

54 58.2 44.7 67.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.006 min

Lab File: BF132943.D

Acq: 20 Apr 2023 18:28

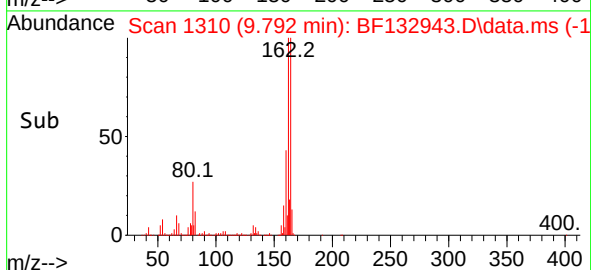
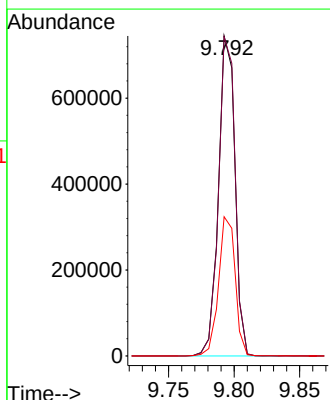
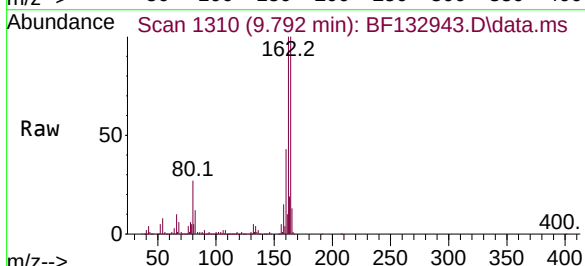
Tgt Ion:164 Resp: 652374

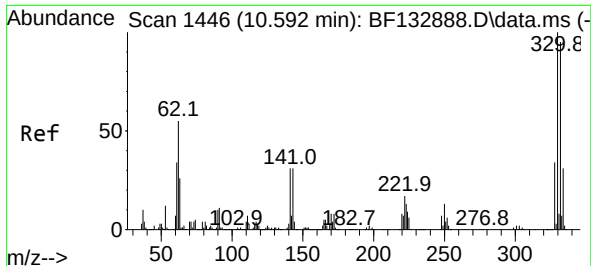
Ion Ratio Lower Upper

164 100

162 99.7 79.1 118.7

160 43.5 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 160.505 ng

RT: 10.586 min Scan# 1445

Delta R.T. 0.000 min

Lab File: BF132943.D

Acq: 20 Apr 2023 18:28

Instrument :

BNA_F

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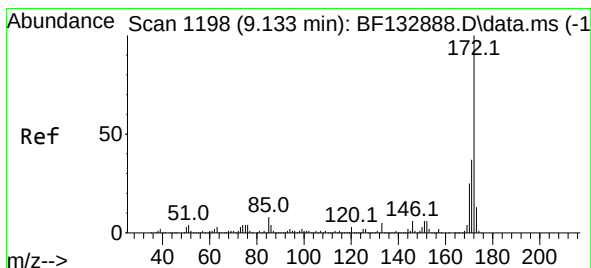
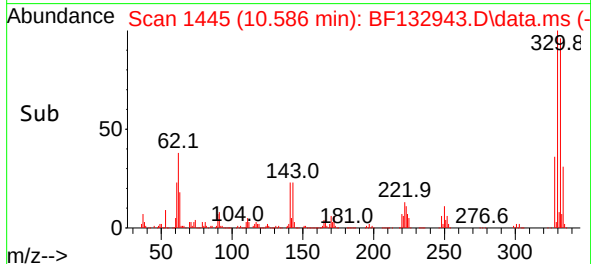
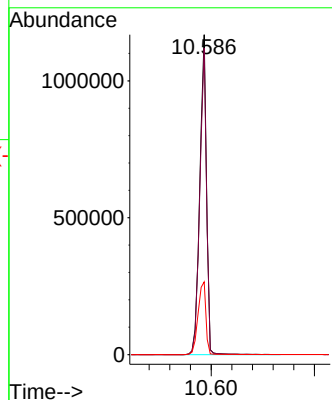
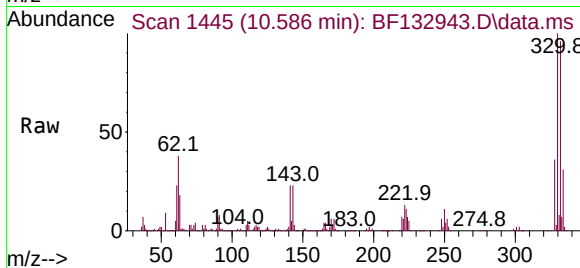
Tgt Ion:330 Resp: 1050240

Ion Ratio Lower Upper

330 100

332 96.2 76.3 114.5

141 26.5 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 85.992 ng

RT: 9.122 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF132943.D

Acq: 20 Apr 2023 18:28

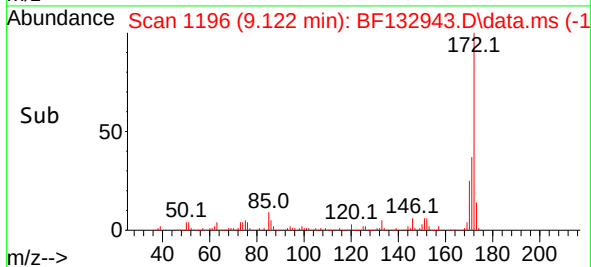
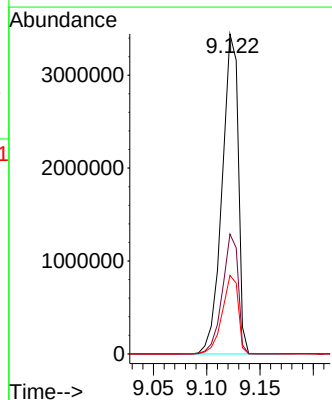
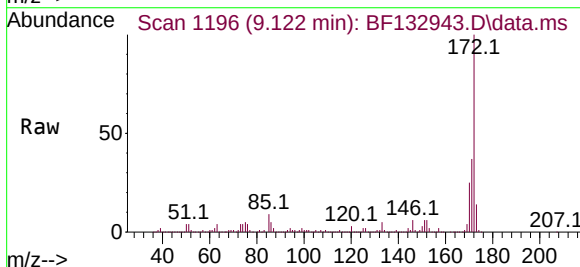
Tgt Ion:172 Resp: 3651747

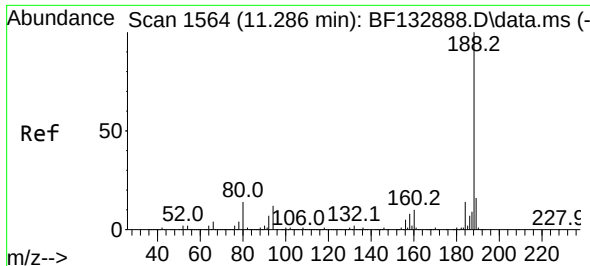
Ion Ratio Lower Upper

172 100

171 37.4 29.4 44.0

170 24.6 20.1 30.1

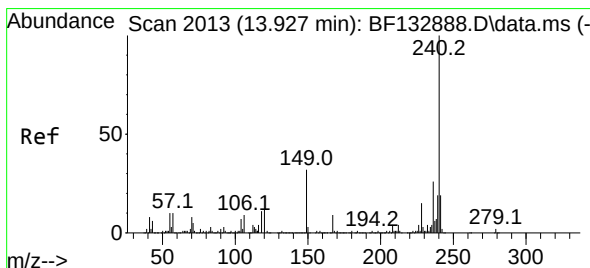
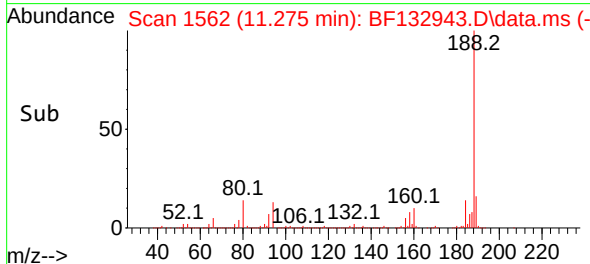
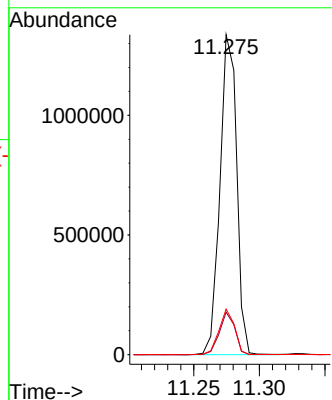
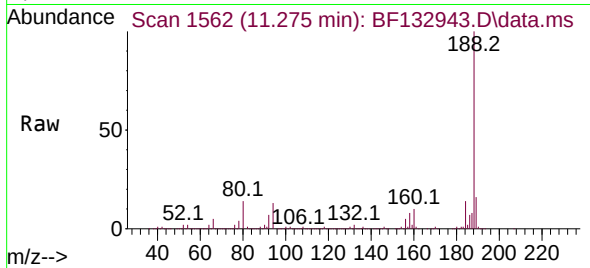




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

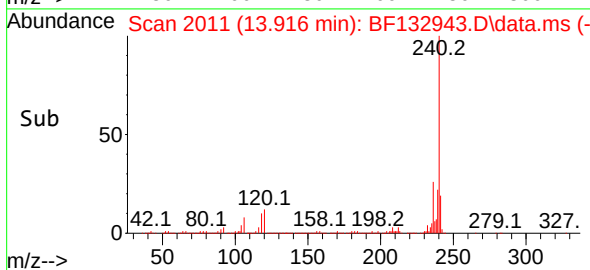
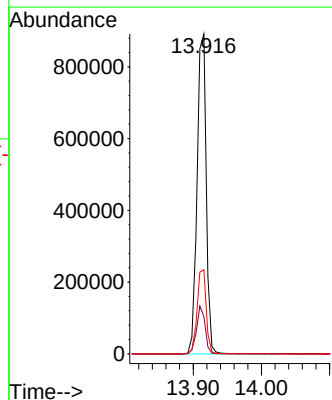
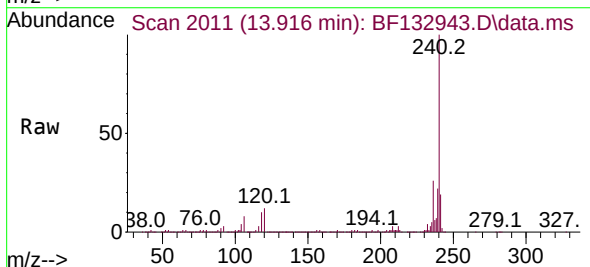
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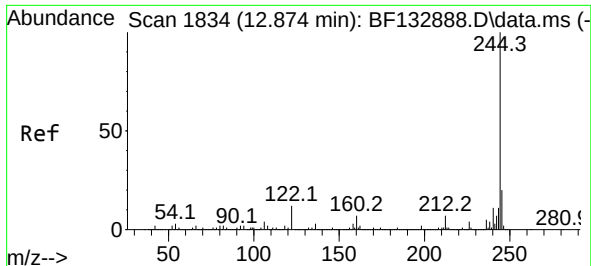
Tgt Ion:188 Resp: 1190720
Ion Ratio Lower Upper
188 100
94 13.3 9.9 14.9
80 14.2 10.8 16.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.916 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF132943.D
Acq: 20 Apr 2023 18:28

Tgt Ion:240 Resp: 836121
Ion Ratio Lower Upper
240 100
120 11.6 10.0 15.0
236 26.3 20.8 31.2

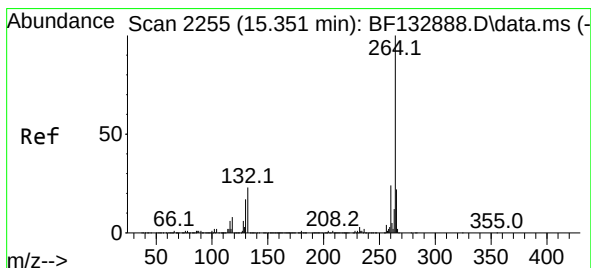
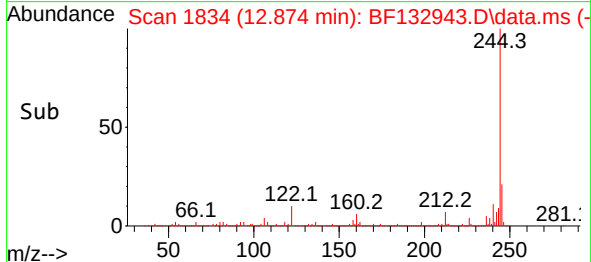
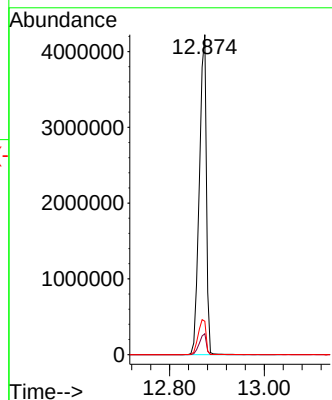
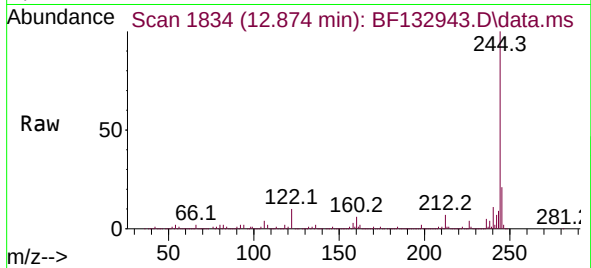




#79
 Terphenyl-d14
 Concen: 88.687 ng
 RT: 12.874 min Scan# 1834
 Delta R.T. 0.006 min
 Lab File: BF132943.D
 Acq: 20 Apr 2023 18:28

Instrument :
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Tgt Ion:244 Resp: 4346419
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.4 9.6 14.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.339 min Scan# 2253
 Delta R.T. 0.000 min
 Lab File: BF132943.D
 Acq: 20 Apr 2023 18:28

Tgt Ion:264 Resp: 706496
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.6
 265 22.1 17.7 26.5

