

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132661.D
 Acq On : 06 Mar 2023 21:48
 Operator : CG\JU
 Sample : 01787-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Quant Time: Mar 07 00:59:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

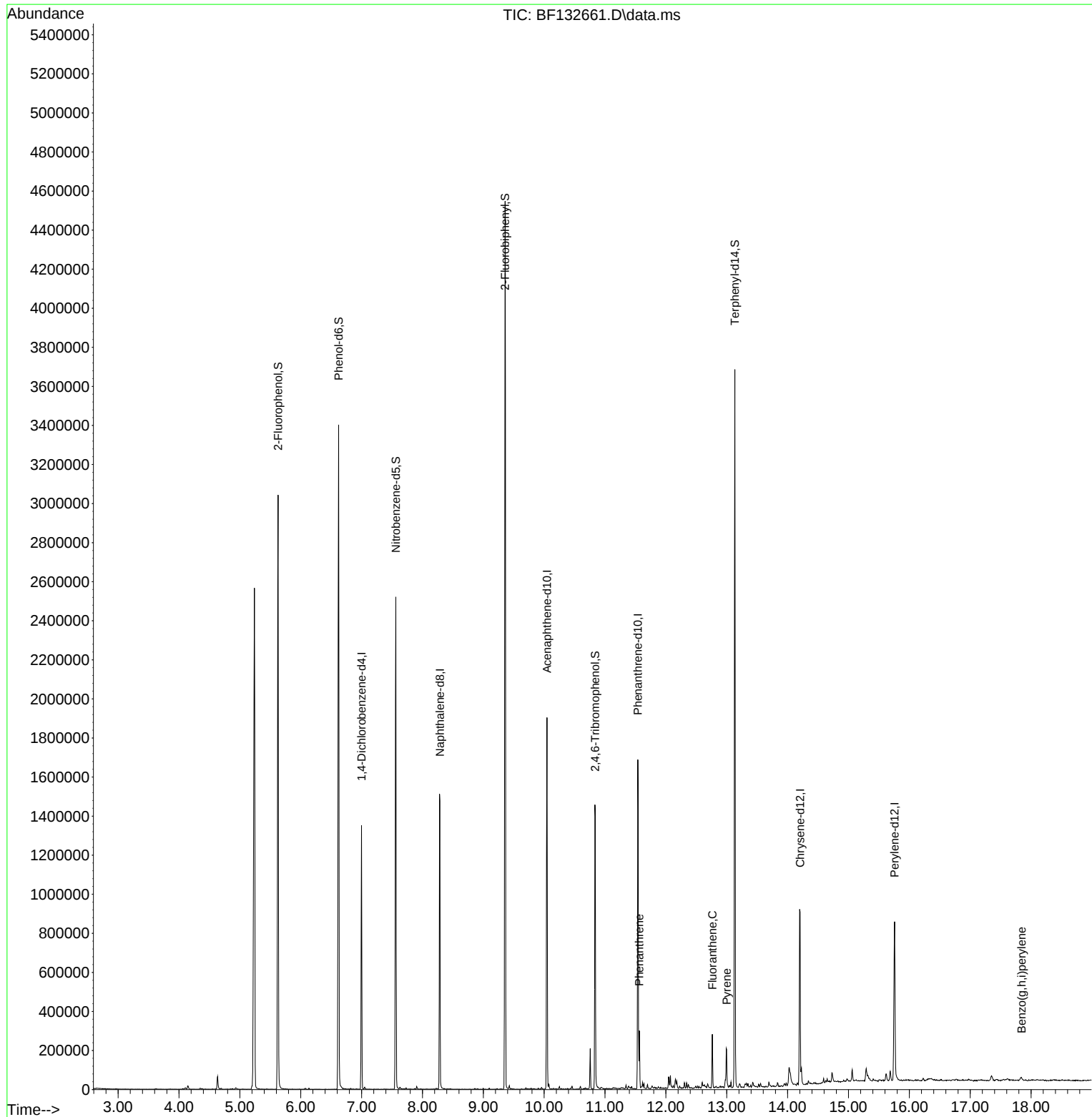
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	184978	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	685089	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	359494	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	636611	20.000	ng	0.00
76) Chrysene-d12	14.204	240	313719	20.000	ng	0.00
86) Perylene-d12	15.757	264	390571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	885152	77.662	ng	0.00
7) Phenol-d6	6.622	99	1211926	81.475	ng	-0.01
23) Nitrobenzene-d5	7.563	82	803060	55.614	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	182662	47.049	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	1380251	58.461	ng	-0.01
79) Terphenyl-d14	13.133	244	1277182	68.832	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.563	178	97044	2.943	ng	98
75) Fluoranthene	12.763	202	96533	2.677	ng	98
78) Pyrene	12.998	202	85343	2.992	ng	99
92) Benzo(g,h,i)perylene	17.845	276	15752	2.260	ng	93

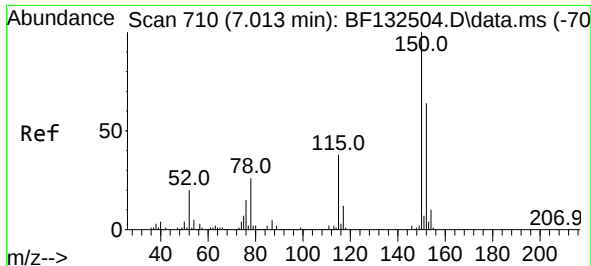
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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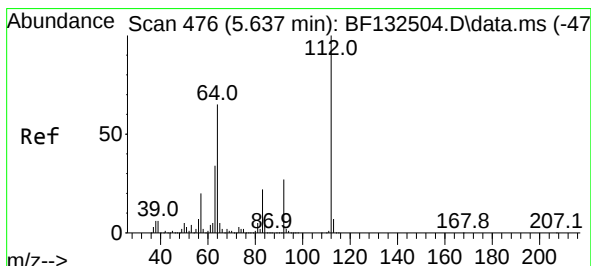
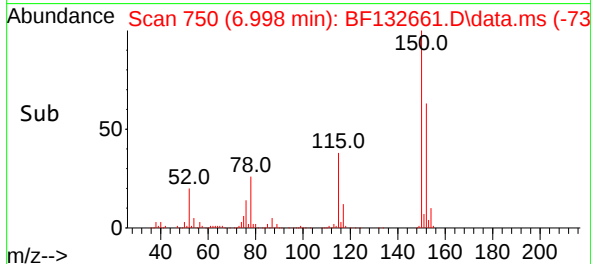
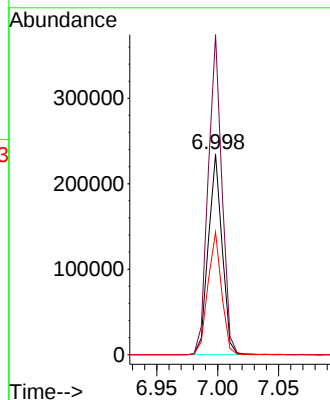
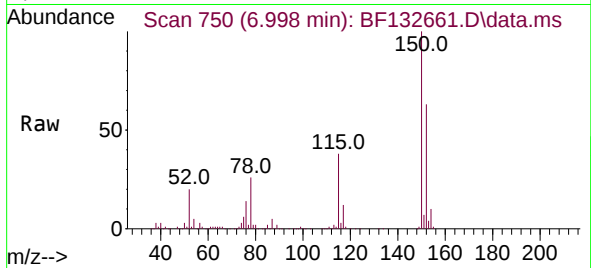




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.998 min Scan# 71
 Delta R.T. -0.009 min
 Lab File: BF132661.D
 Acq: 06 Mar 2023 21:48

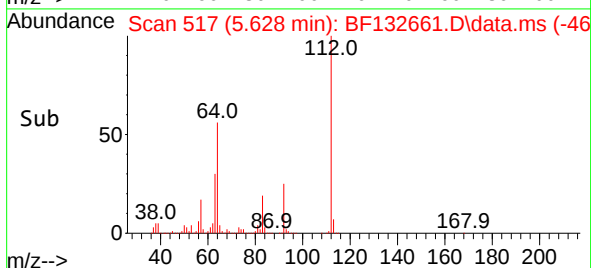
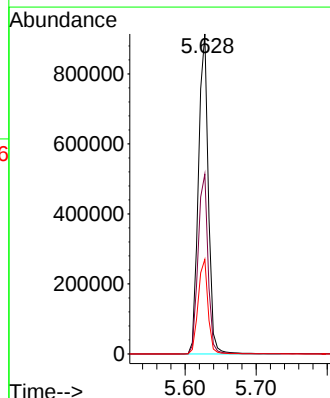
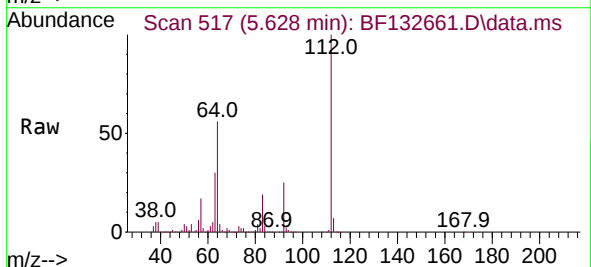
Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

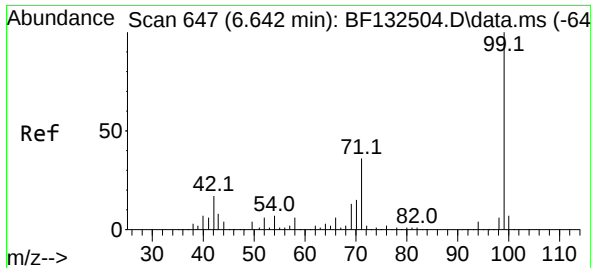
Tgt Ion:152 Resp: 184978
 Ion Ratio Lower Upper
 152 100
 150 159.5 125.4 188.2
 115 61.0 47.8 71.6



#5
 2-Fluorophenol
 Concen: 77.662 ng
 RT: 5.628 min Scan# 517
 Delta R.T. -0.003 min
 Lab File: BF132661.D
 Acq: 06 Mar 2023 21:48

Tgt Ion:112 Resp: 885152
 Ion Ratio Lower Upper
 112 100
 64 56.2 51.6 77.4
 63 29.5 27.4 41.2

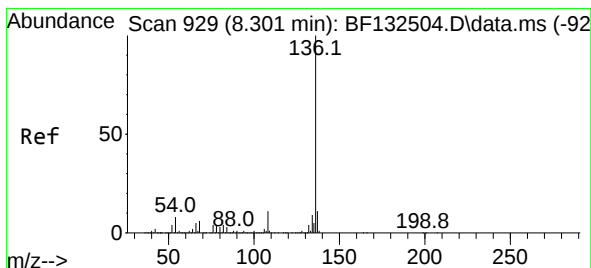
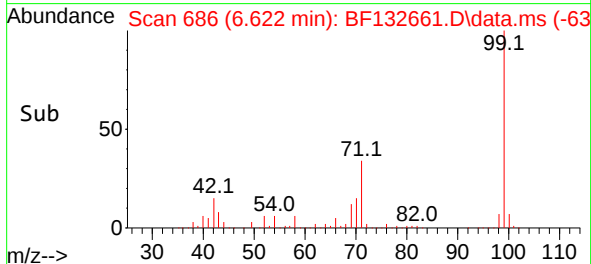
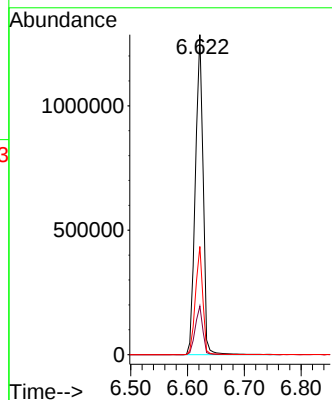
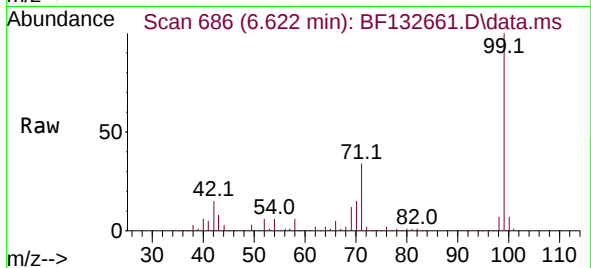




#7
Phenol-d6
Concen: 81.475 ng
RT: 6.622 min Scan# 61
Delta R.T. -0.015 min
Lab File: BF132661.D
Acq: 06 Mar 2023 21:48

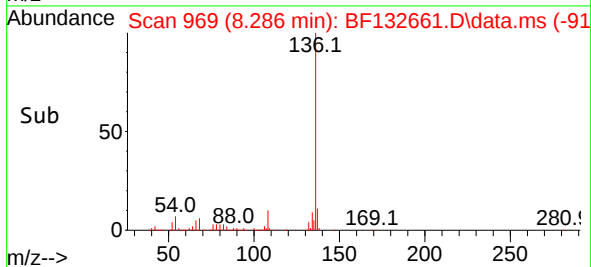
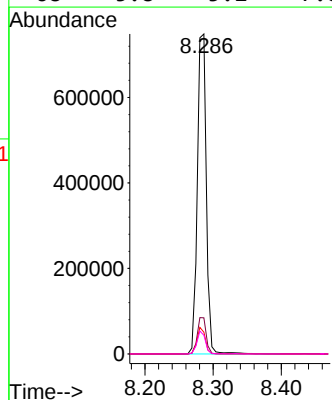
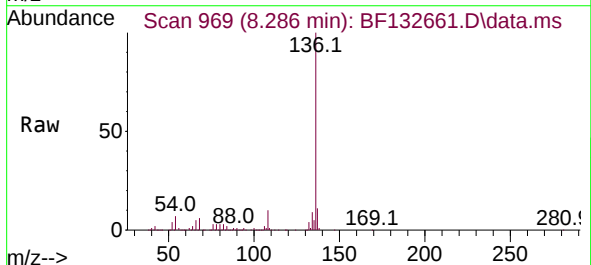
Instrument :
BNA_F
ClientSampleId :
COMP-3

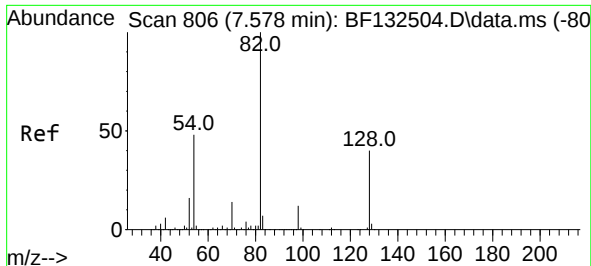
Tgt Ion: 99 Resp: 1211926
Ion Ratio Lower Upper
99 100
42 15.2 13.9 20.9
71 33.8 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132661.D
Acq: 06 Mar 2023 21:48

Tgt Ion: 136 Resp: 685089
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 6.8 6.2 9.4
68 5.8 5.2 7.8





#23

Nitrobenzene-d5

Concen: 55.614 ng

RT: 7.563 min Scan# 84

Delta R.T. -0.009 min

Lab File: BF132661.D

Acq: 06 Mar 2023 21:48

Instrument :

BNA_F

ClientSampleId :

COMP-3

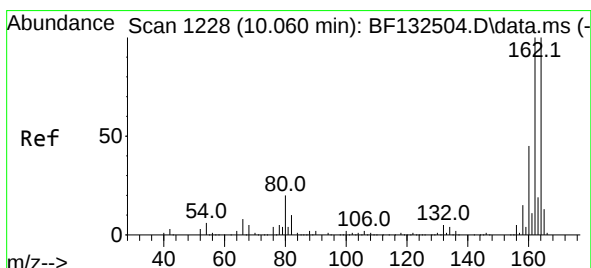
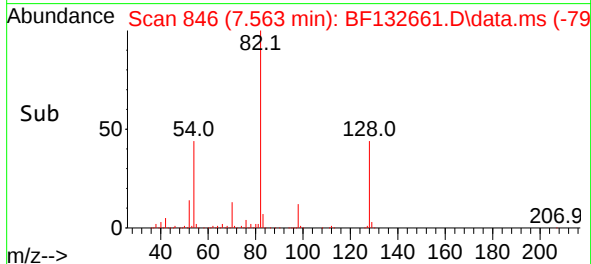
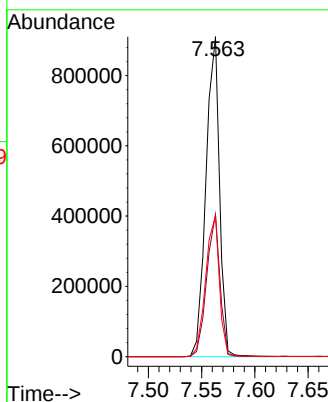
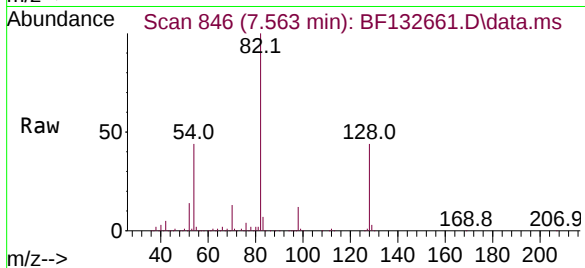
Tgt Ion: 82 Resp: 803060

Ion Ratio Lower Upper

82 100

128 44.5 32.2 48.2

54 44.1 38.4 57.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.045 min Scan# 1268

Delta R.T. -0.009 min

Lab File: BF132661.D

Acq: 06 Mar 2023 21:48

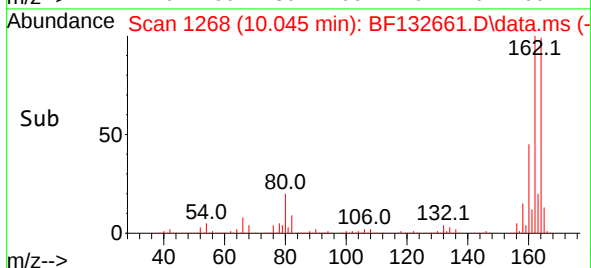
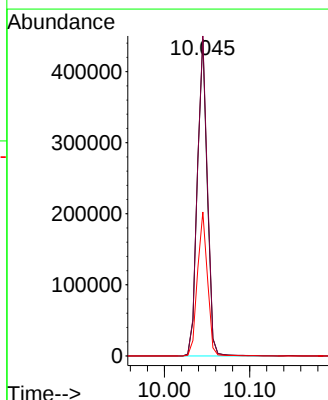
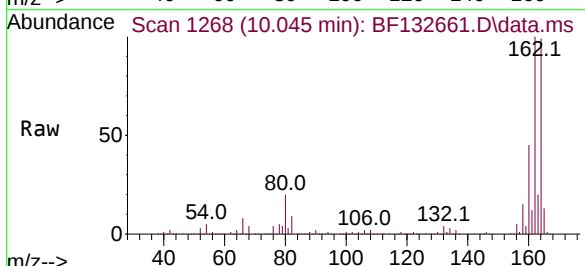
Tgt Ion: 164 Resp: 359494

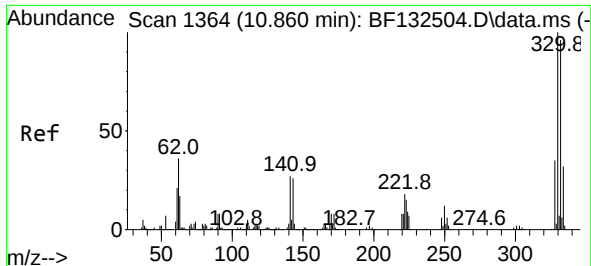
Ion Ratio Lower Upper

164 100

162 101.0 79.8 119.8

160 45.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 47.049 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.009 min

Lab File: BF132661.D

Acq: 06 Mar 2023 21:48

Instrument :

BNA_F

ClientSampleId :

COMP-3

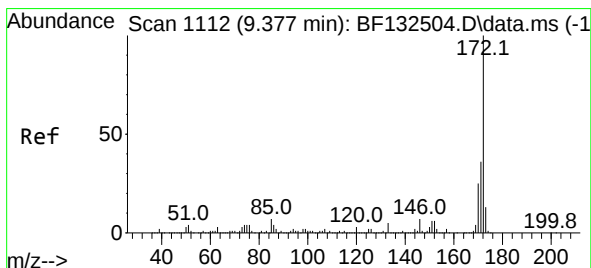
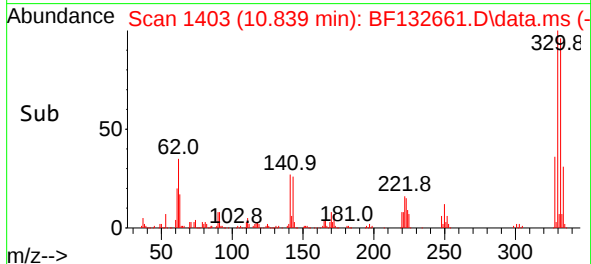
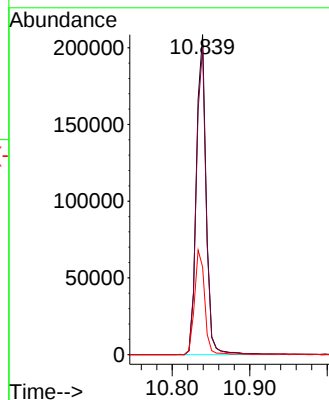
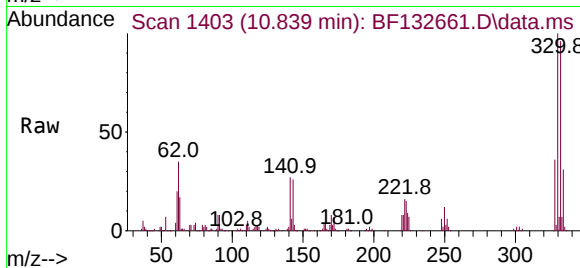
Tgt Ion:330 Resp: 182662

Ion Ratio Lower Upper

330 100

332 96.6 76.2 114.4

141 33.9 28.4 42.6



#45

2-Fluorobiphenyl

Concen: 58.461 ng

RT: 9.357 min Scan# 1151

Delta R.T. -0.015 min

Lab File: BF132661.D

Acq: 06 Mar 2023 21:48

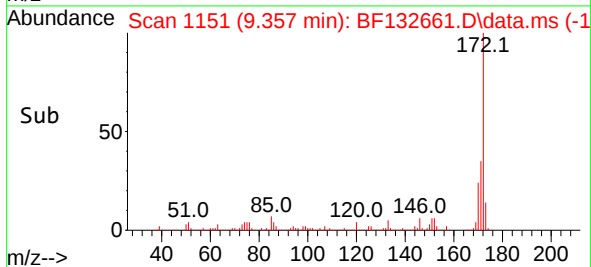
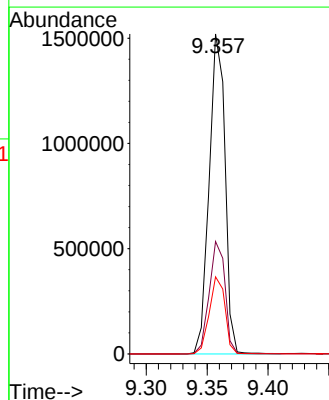
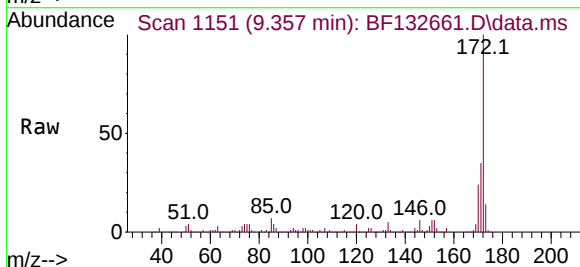
Tgt Ion:172 Resp: 1380251

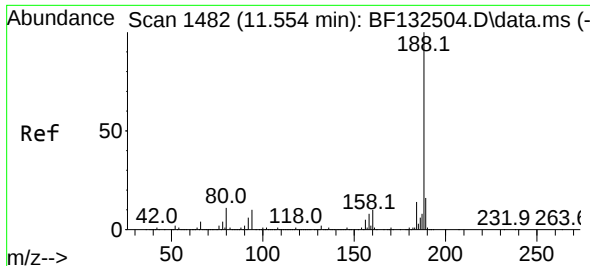
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 24.1 19.7 29.5

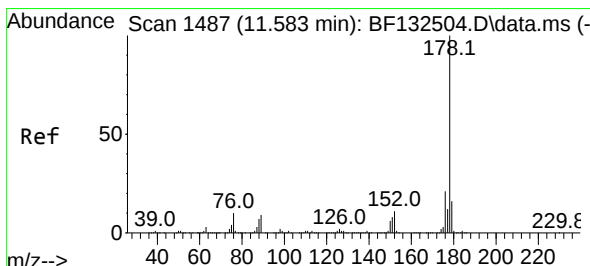
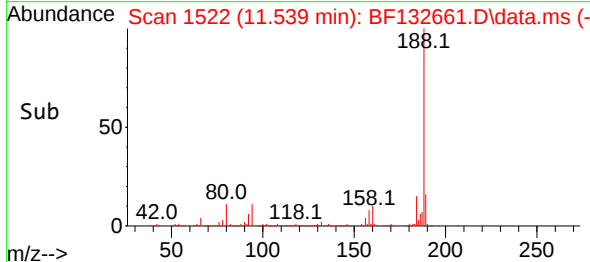
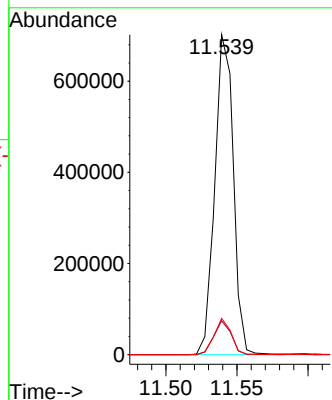
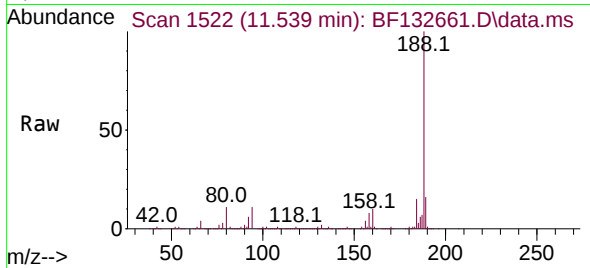




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132661.D
Acq: 06 Mar 2023 21:48

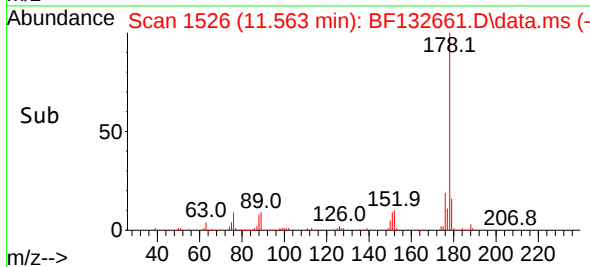
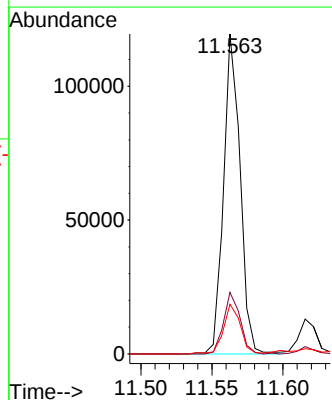
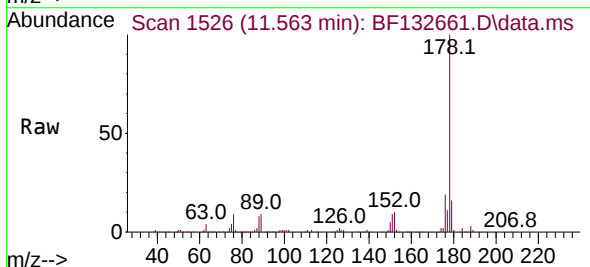
Instrument :
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ClientSampleId :
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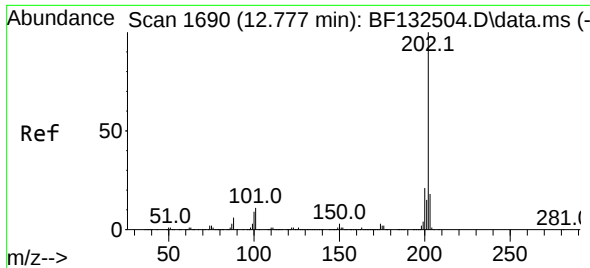
Tgt Ion:188 Resp: 636611
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.3 8.7 13.1



#71
Phenanthrene
Concen: 2.943 ng
RT: 11.563 min Scan# 1526
Delta R.T. -0.015 min
Lab File: BF132661.D
Acq: 06 Mar 2023 21:48

Tgt Ion:178 Resp: 97044
Ion Ratio Lower Upper
178 100
176 19.2 16.5 24.7
179 15.5 13.0 19.6

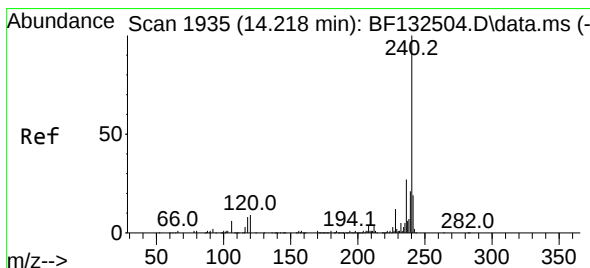
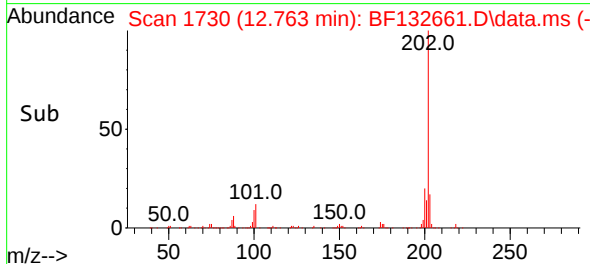
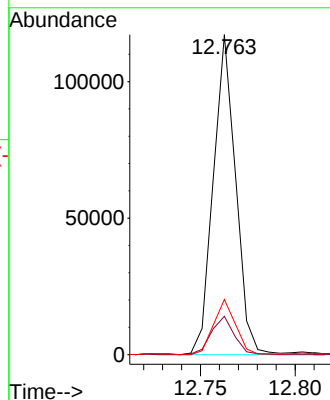
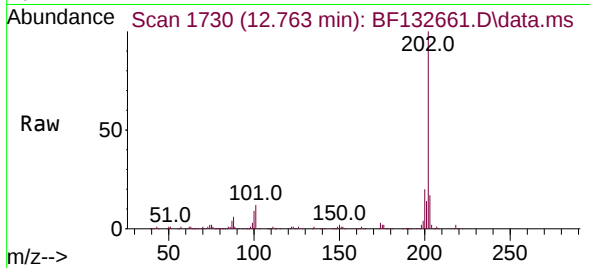




#75
Fluoranthene
Concen: 2.677 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132661.D
Acq: 06 Mar 2023 21:48

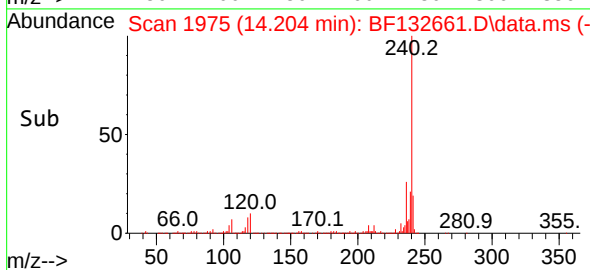
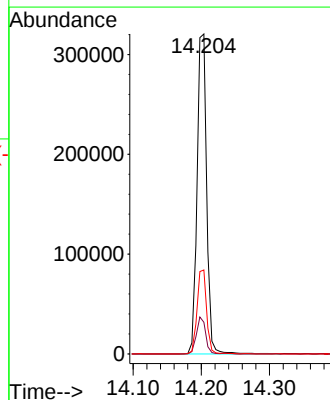
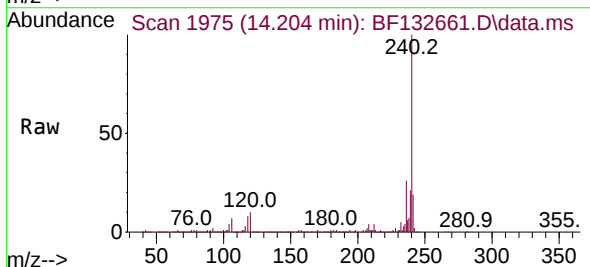
Instrument :
BNA_F
ClientSampleId :
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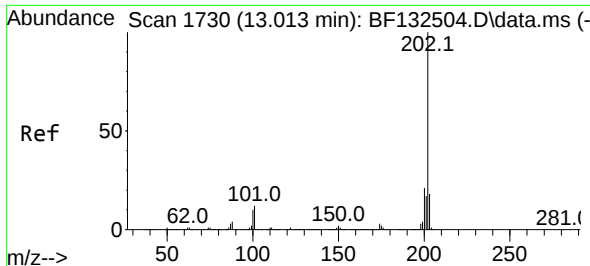
Tgt Ion:	202	Resp:	96533
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	31.4
203	17.2	0.0	38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132661.D
Acq: 06 Mar 2023 21:48

Tgt Ion:	240	Resp:	313719
Ion Ratio	Lower	Upper	
240	100		
120	9.9	7.2	10.8
236	26.2	21.8	32.6

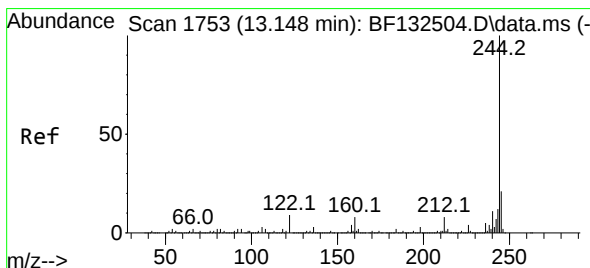
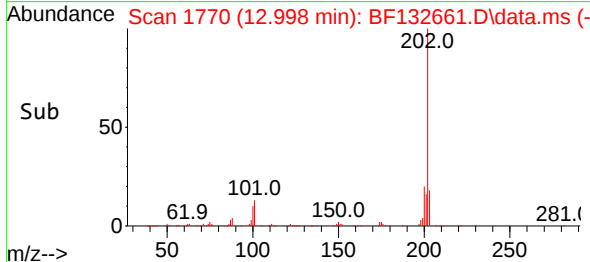
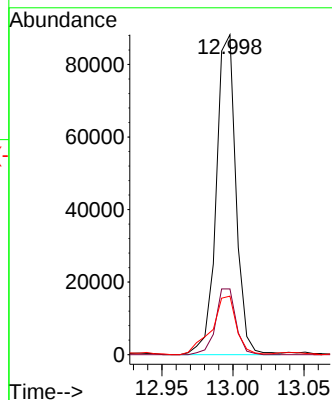
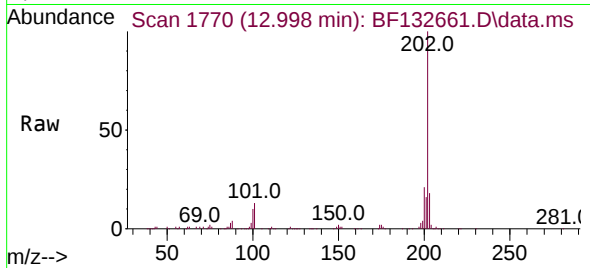




#78
 Pyrene
 Concen: 2.992 ng
 RT: 12.998 min Scan# 1770
 Delta R.T. -0.003 min
 Lab File: BF132661.D
 Acq: 06 Mar 2023 21:48

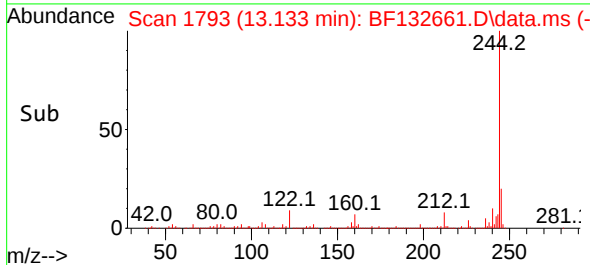
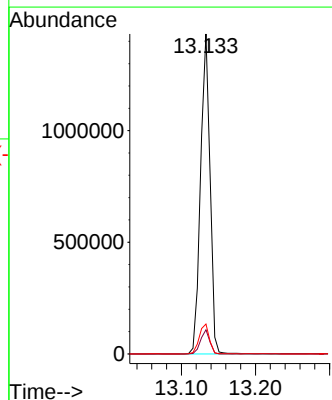
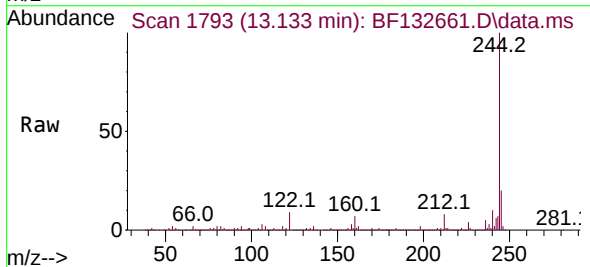
Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

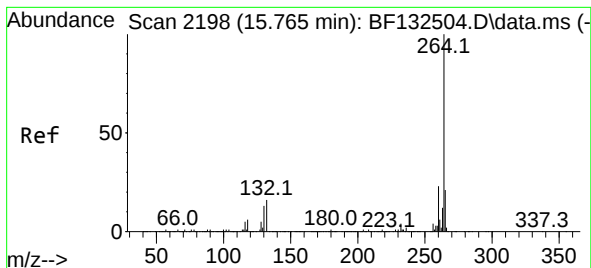
Tgt Ion:202 Resp: 85343
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.1 25.7
 203 18.3 14.6 21.8



#79
 Terphenyl-d14
 Concen: 68.832 ng
 RT: 13.133 min Scan# 1793
 Delta R.T. -0.009 min
 Lab File: BF132661.D
 Acq: 06 Mar 2023 21:48

Tgt Ion:244 Resp: 1277182
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 9.3 7.5 11.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.757 min Scan# 21

Delta R.T. 0.003 min

Lab File: BF132661.D

Acq: 06 Mar 2023 21:48

Instrument :

BNA_F

ClientSampleId :

COMP-3

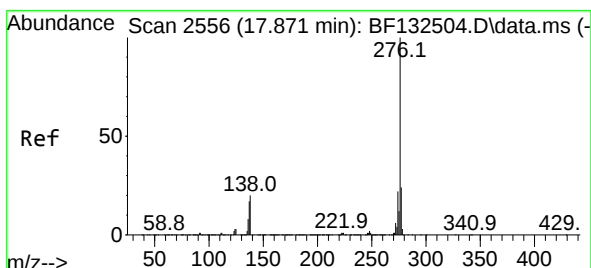
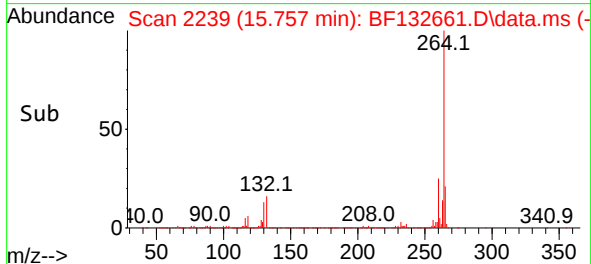
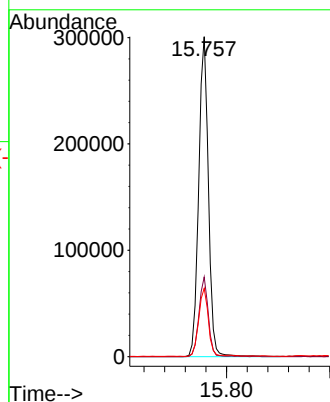
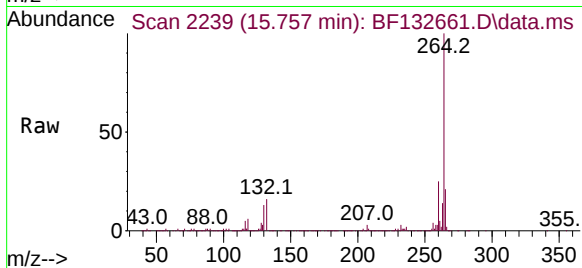
Tgt Ion:264 Resp: 390571

Ion Ratio Lower Upper

264 100

260 24.9 18.8 28.2

265 21.3 17.1 25.7



#92

Benzo(g,h,i)perylene

Concen: 2.260 ng

RT: 17.845 min Scan# 2594

Delta R.T. -0.009 min

Lab File: BF132661.D

Acq: 06 Mar 2023 21:48

Tgt Ion:276 Resp: 15752

Ion Ratio Lower Upper

276 100

277 20.0 18.9 28.3

138 17.1 16.2 24.4

