

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030223\
 Data File : BF132608.D
 Acq On : 02 Mar 2023 15:27
 Operator : CG\JU
 Sample : 01740-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4-COMP-4

Quant Time: Mar 02 15:49:50 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)

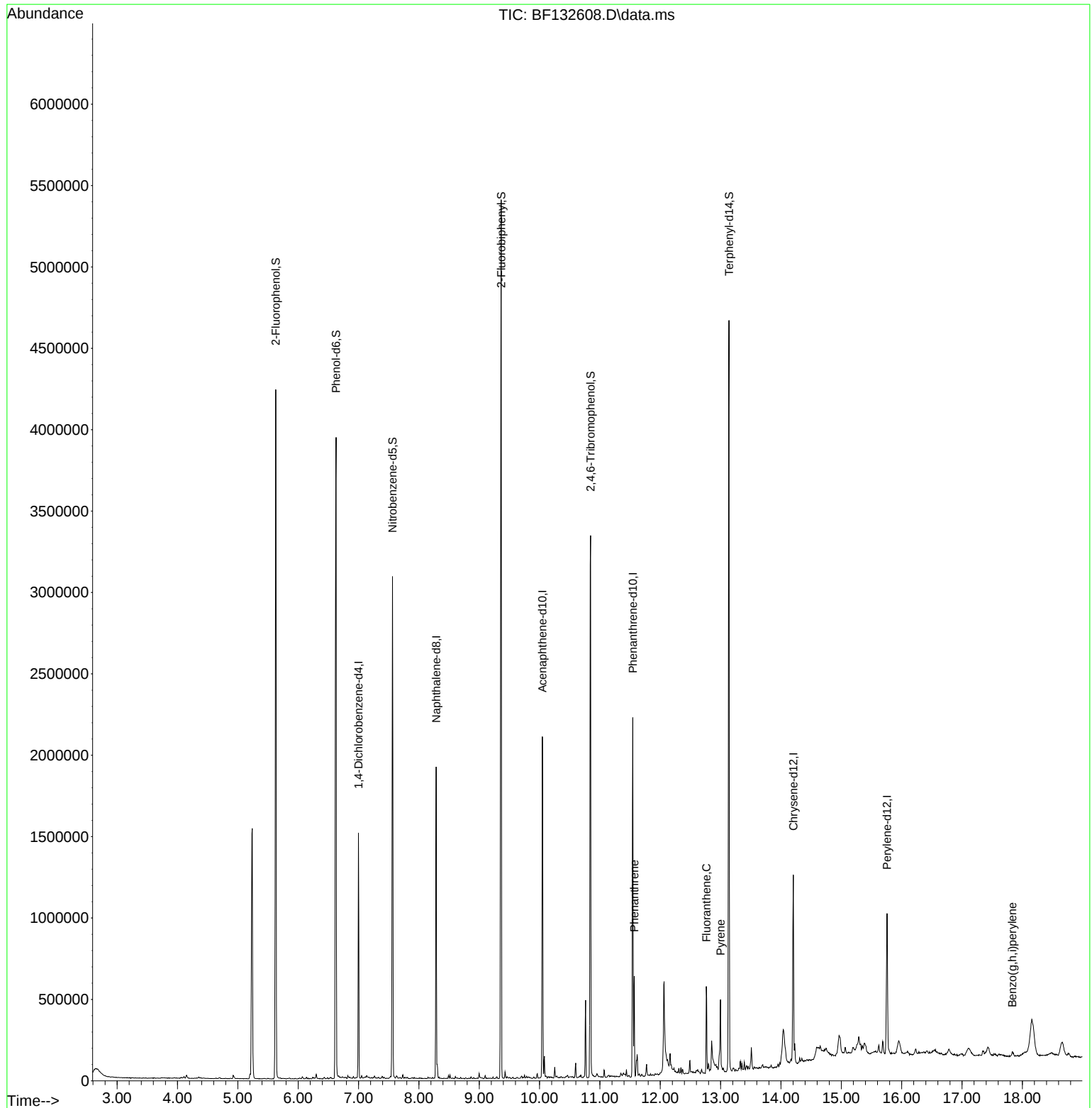
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	202508	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	761647	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	414176	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	790969	20.000	ng	0.00
76) Chrysene-d12	14.204	240	352127	20.000	ng	# 0.00
86) Perylene-d12	15.757	264	402291	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	1241476	99.496	ng	0.00
7) Phenol-d6	6.628	99	1567036	96.229	ng	0.00
23) Nitrobenzene-d5	7.563	82	1017209	63.364	ng	0.00
42) 2,4,6-Tribromophenol	10.845	330	433716	96.965	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	1605876	59.038	ng	0.00
79) Terphenyl-d14	13.139	244	1691870	81.236	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.569	178	219241	5.350	ng	95
75) Fluoranthene	12.763	202	206028	4.599	ng	99
78) Pyrene	12.998	202	165534	5.171	ng	98
92) Benzo(g,h,i)perylene	17.833	276	20797	2.442	ng	95

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

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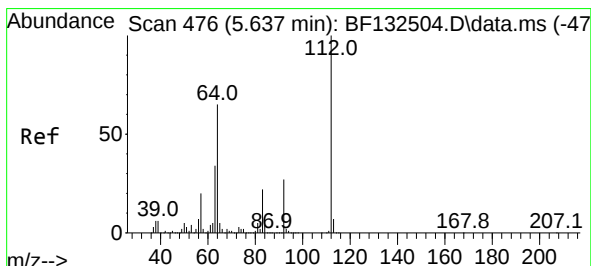
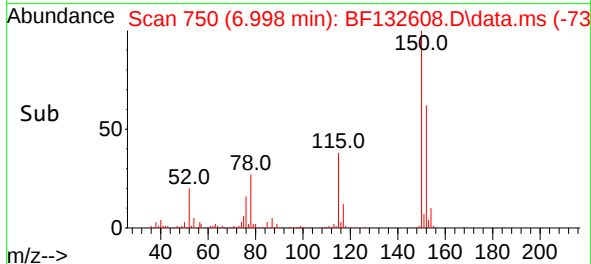
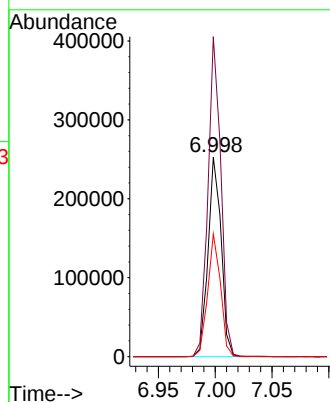
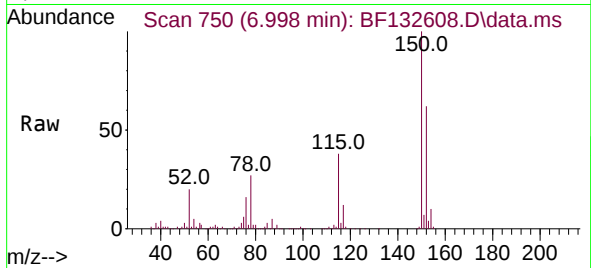




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

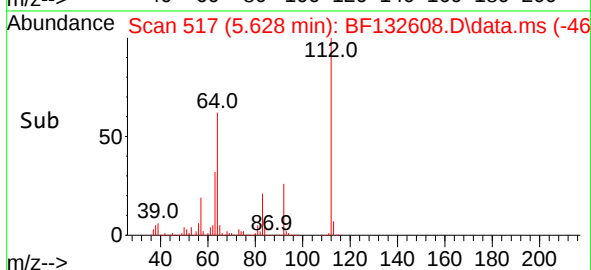
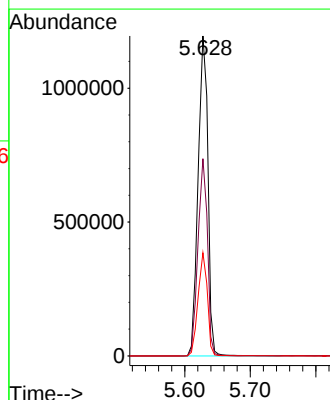
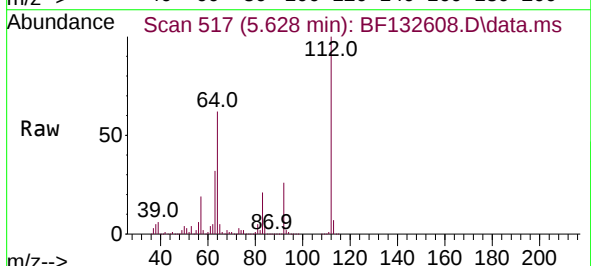
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4-COMP-4

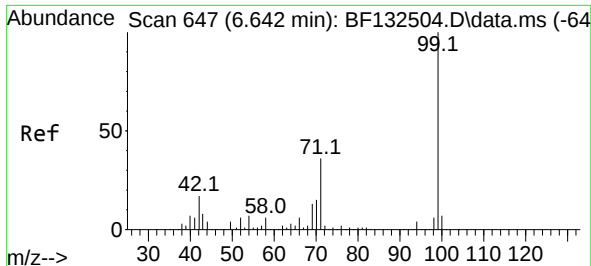
Tgt Ion:152 Resp: 202508
Ion Ratio Lower Upper
152 100
150 160.4 125.4 188.2
115 61.5 47.8 71.6



#5
2-Fluorophenol
Concen: 99.496 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

Tgt Ion:112 Resp: 1241476
Ion Ratio Lower Upper
112 100
64 61.6 51.6 77.4
63 32.2 27.4 41.2

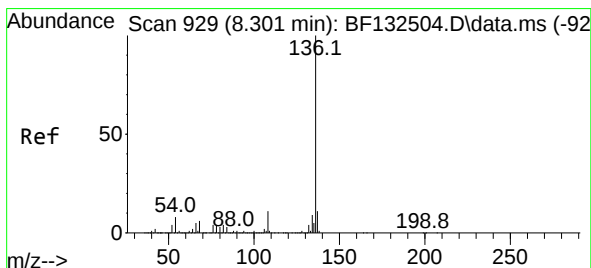
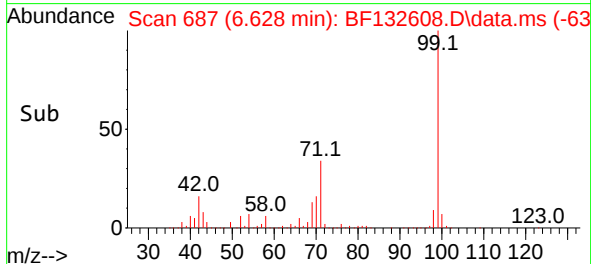
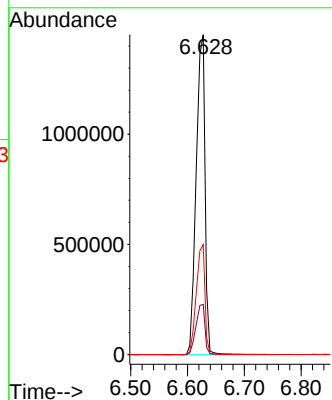
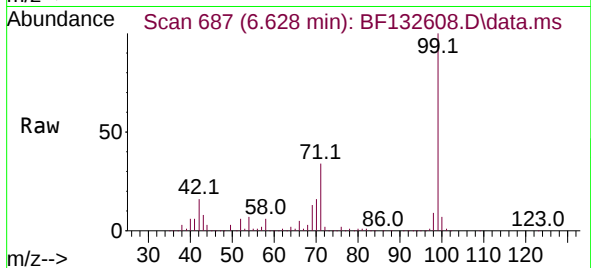




#7
Phenol-d6
Concen: 96.229 ng
RT: 6.628 min Scan# 647
Delta R.T. -0.009 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

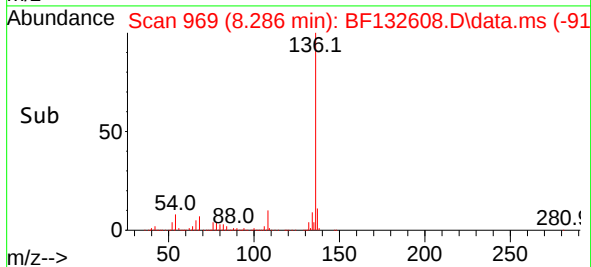
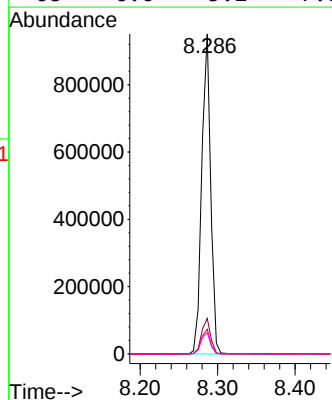
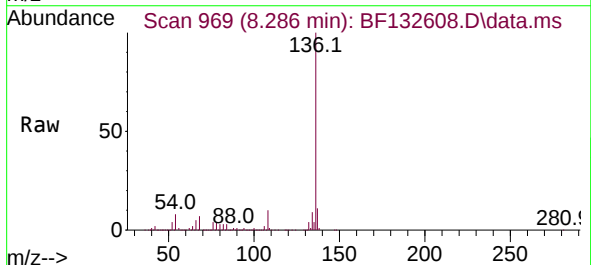
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4-COMP-4

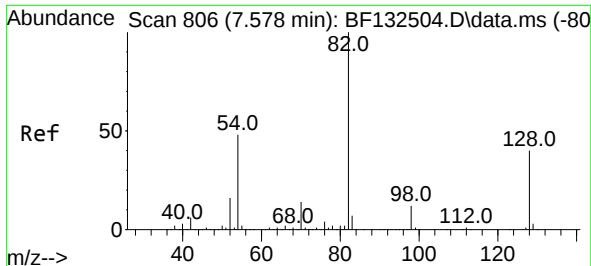
Tgt Ion: 99 Resp: 1567036
Ion Ratio Lower Upper
99 100
42 15.7 13.9 20.9
71 34.4 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

Tgt Ion:136 Resp: 761647
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.7 6.2 9.4
68 6.6 5.2 7.8





#23

Nitrobenzene-d5

Concen: 63.364 ng

RT: 7.563 min Scan# 84

Delta R.T. -0.009 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

Instrument :

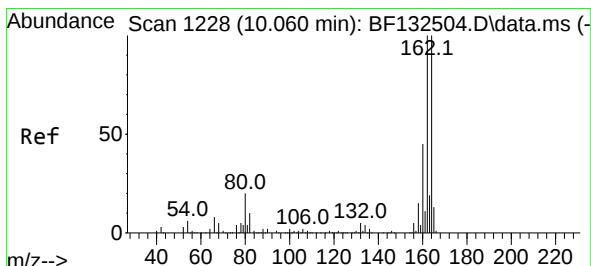
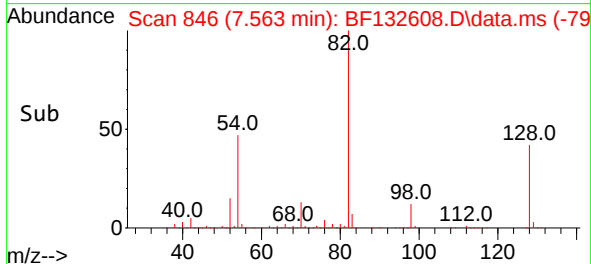
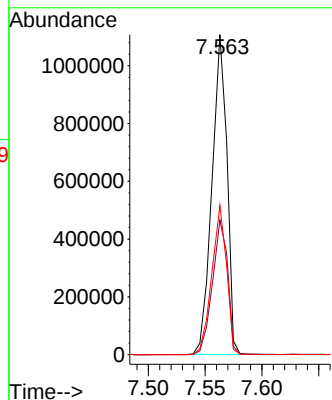
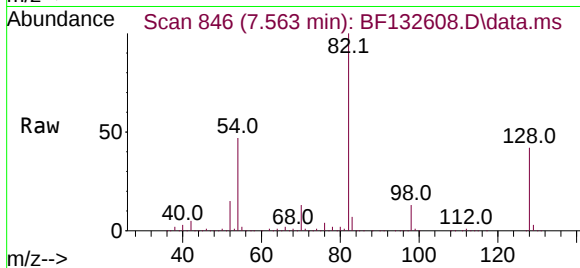
BNA_F

ClientSampleId :

SAMPLE-4-COMP-4

Tgt Ion: 82 Resp: 1017209

Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.2	48.2
54	46.6	38.4	57.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.045 min Scan# 1268

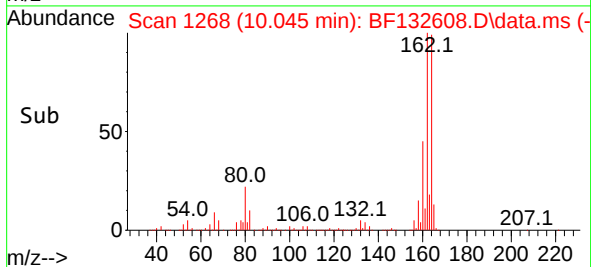
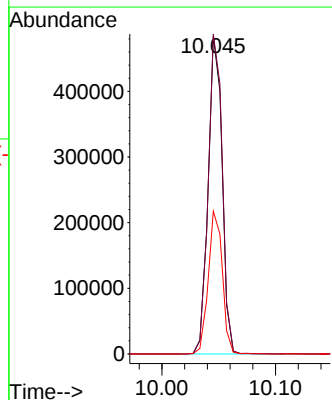
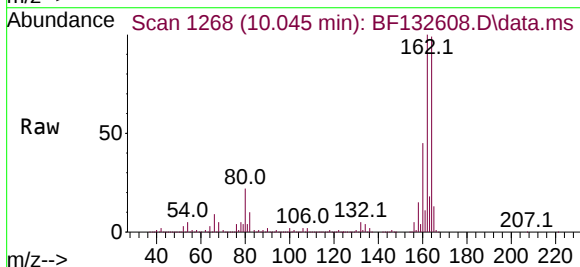
Delta R.T. -0.009 min

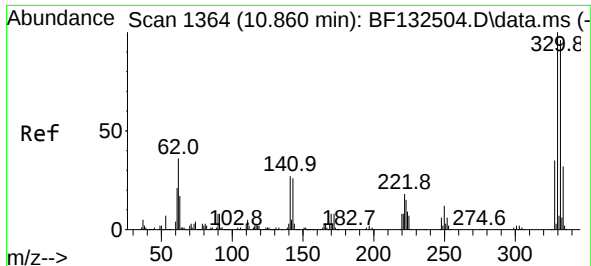
Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

Tgt Ion:164 Resp: 414176

Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.8	119.8
160	44.9	35.8	53.6





#42

2,4,6-Tribromophenol

Concen: 96.965 ng

RT: 10.845 min Scan# 1404

Delta R.T. -0.003 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

Instrument :

BNA_F

ClientSampleId :

SAMPLE-4-COMP-4

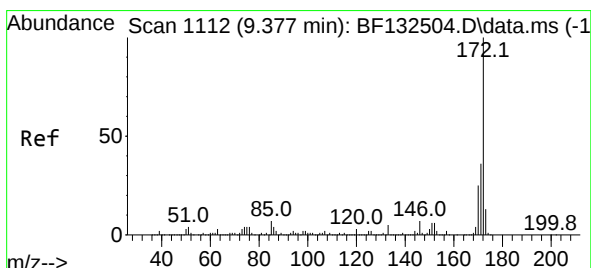
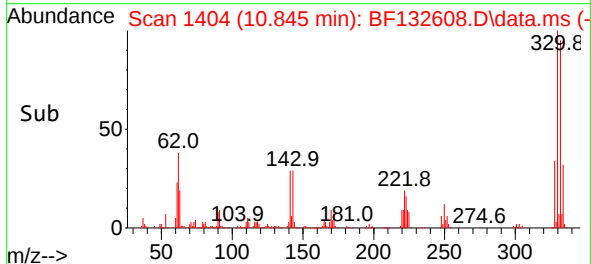
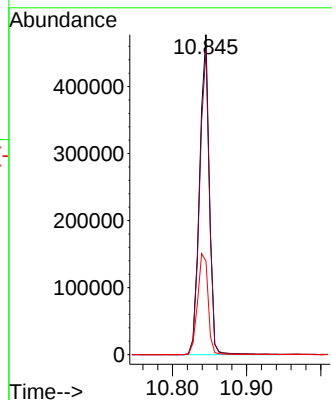
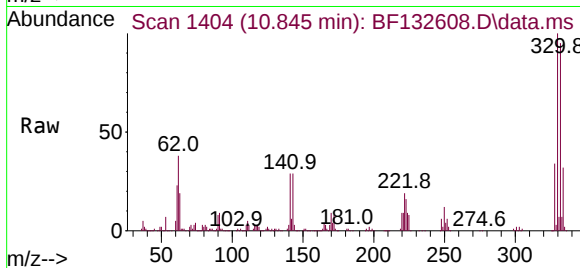
Tgt Ion:330 Resp: 433716

Ion Ratio Lower Upper

330 100

332 95.3 76.2 114.4

141 34.0 28.4 42.6



#45

2-Fluorobiphenyl

Concen: 59.038 ng

RT: 9.363 min Scan# 1152

Delta R.T. -0.009 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

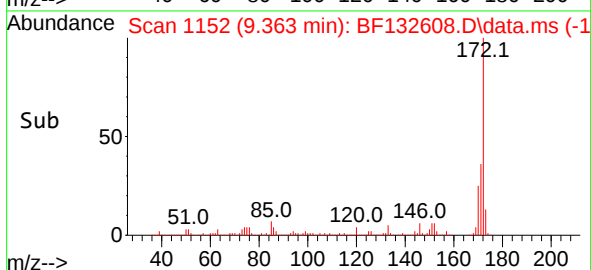
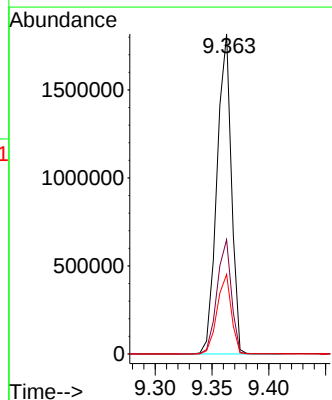
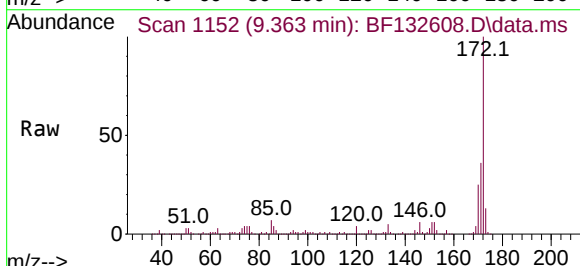
Tgt Ion:172 Resp: 1605876

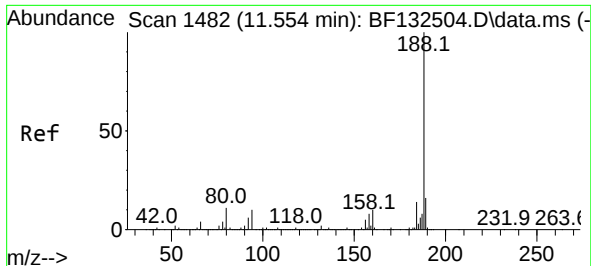
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 24.8 19.7 29.5

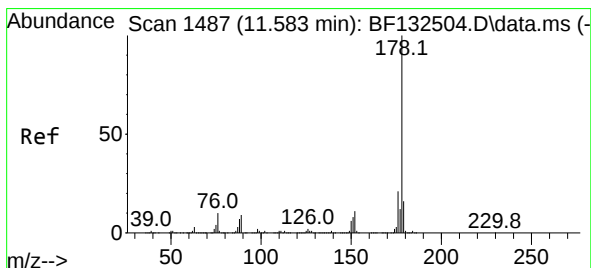
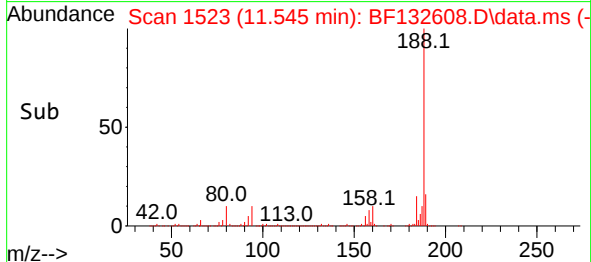
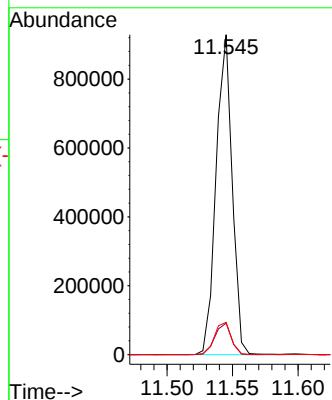
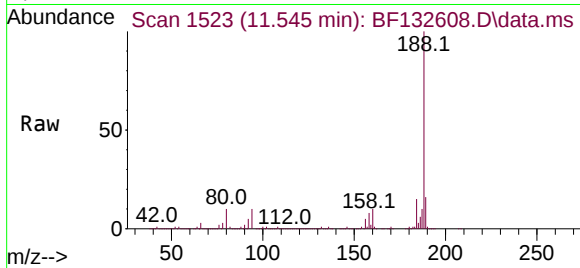




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

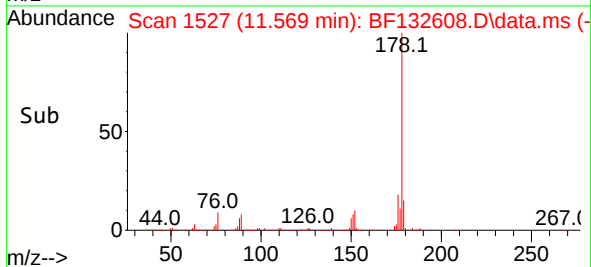
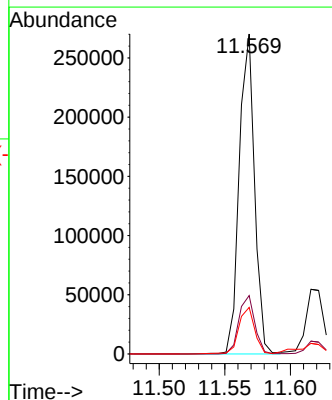
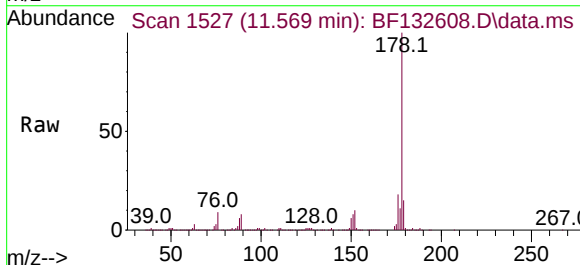
Instrument :
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ClientSampleId :
SAMPLE-4-COMP-4

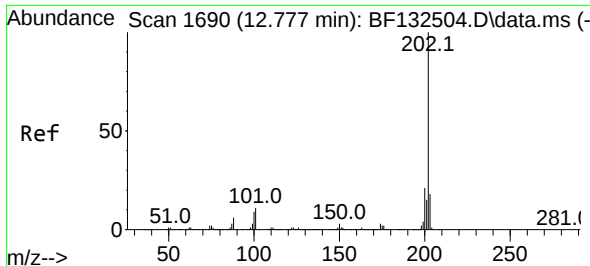
Tgt Ion:188 Resp: 790969
Ion Ratio Lower Upper
188 100
94 9.8 8.3 12.5
80 10.1 8.7 13.1



#71
Phenanthrene
Concen: 5.350 ng
RT: 11.569 min Scan# 1527
Delta R.T. -0.009 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

Tgt Ion:178 Resp: 219241
Ion Ratio Lower Upper
178 100
176 18.2 16.5 24.7
179 14.5 13.0 19.6

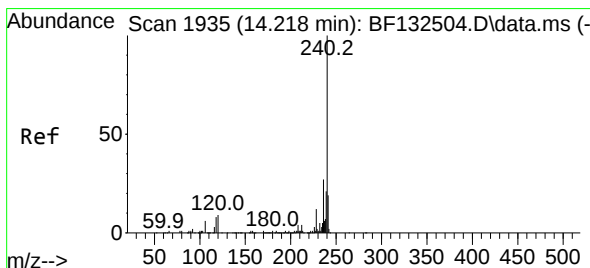
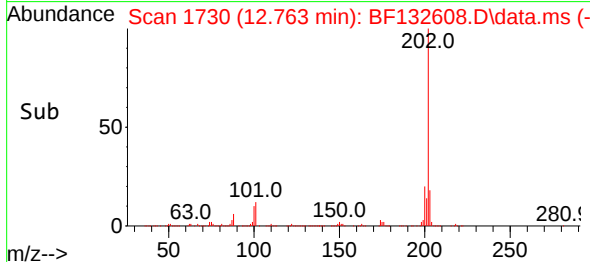
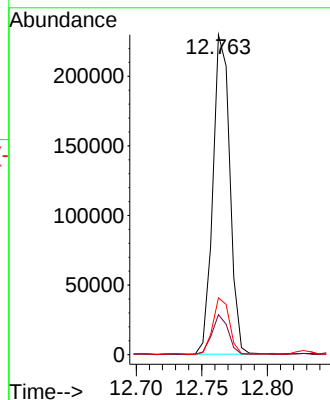
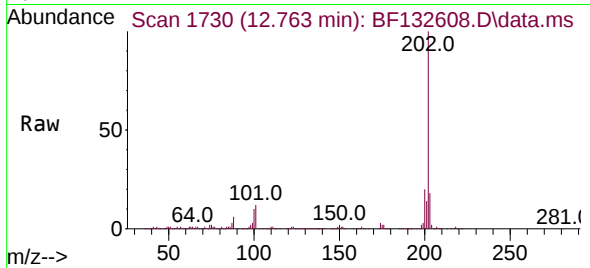




#75
Fluoranthene
Concen: 4.599 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

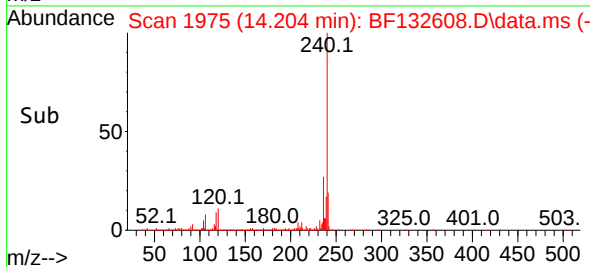
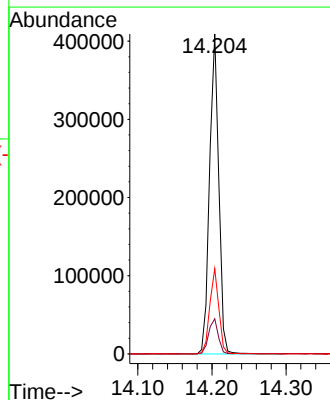
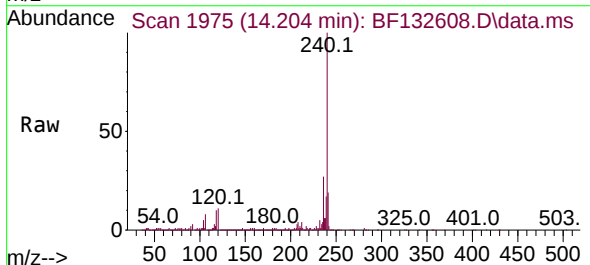
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4-COMP-4

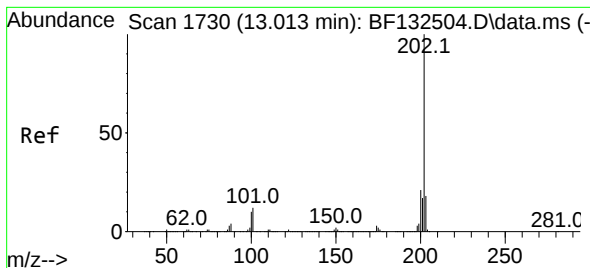
Tgt Ion:202 Resp: 206028
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.4
203 17.7 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

Tgt Ion:240 Resp: 352127
Ion Ratio Lower Upper
240 100
120 11.0 7.2 10.8#
236 26.6 21.8 32.6





#78

Pyrene

Concen: 5.171 ng

RT: 12.998 min Scan# 1770

Delta R.T. -0.003 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

Instrument :

BNA_F

ClientSampleId :

SAMPLE-4-COMP-4

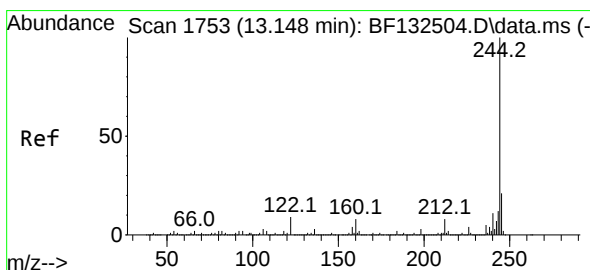
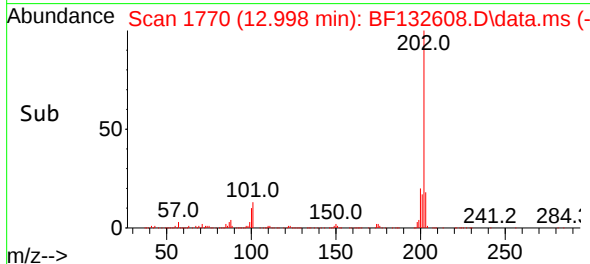
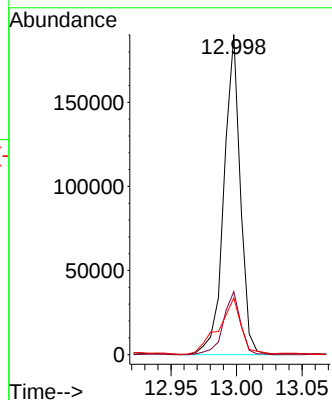
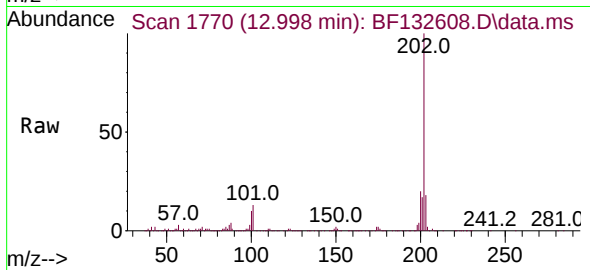
Tgt Ion:202 Resp: 165534

Ion Ratio Lower Upper

202 100

200 19.7 17.1 25.7

203 17.7 14.6 21.8



#79

Terphenyl-d14

Concen: 81.236 ng

RT: 13.139 min Scan# 1794

Delta R.T. -0.003 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

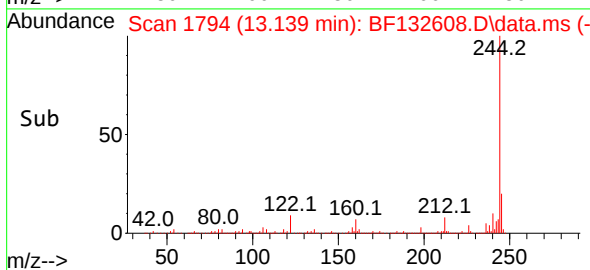
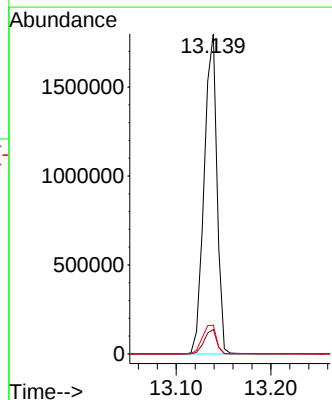
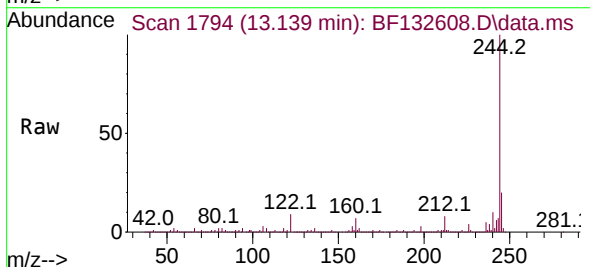
Tgt Ion:244 Resp: 1691870

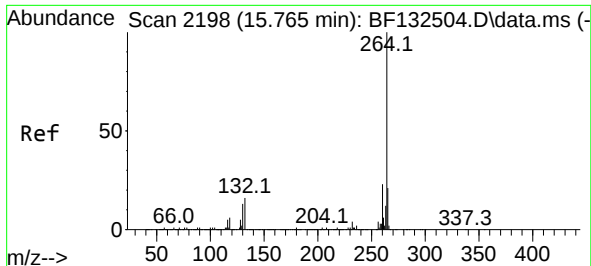
Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 9.0 7.5 11.3



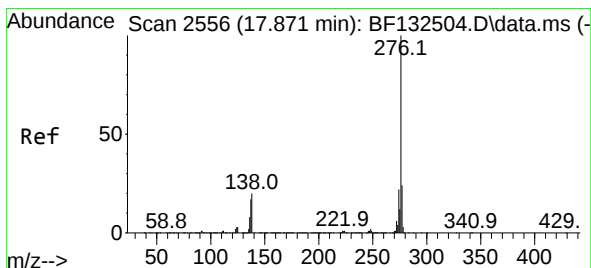
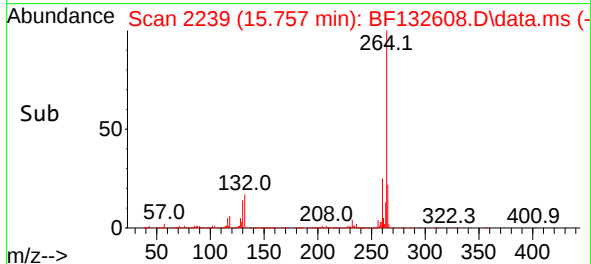
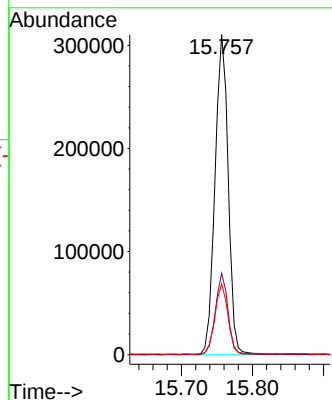
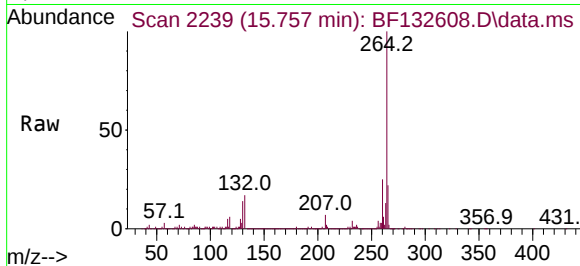


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.757 min Scan# 2198
Delta R.T. 0.003 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

Instrument :
BNA_F
ClientSampleId :
SAMPLE-4-COMP-4

Tgt Ion:264 Resp: 402291

Ion	Ratio	Lower	Upper
264	100		
260	25.4	18.8	28.2
265	22.1	17.1	25.7



#92
Benzo(g,h,i)perylene
Concen: 2.442 ng
RT: 17.833 min Scan# 2592
Delta R.T. -0.021 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

Tgt Ion:276 Resp: 20797

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.9	28.3
138	24.0	16.2	24.4

