

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)

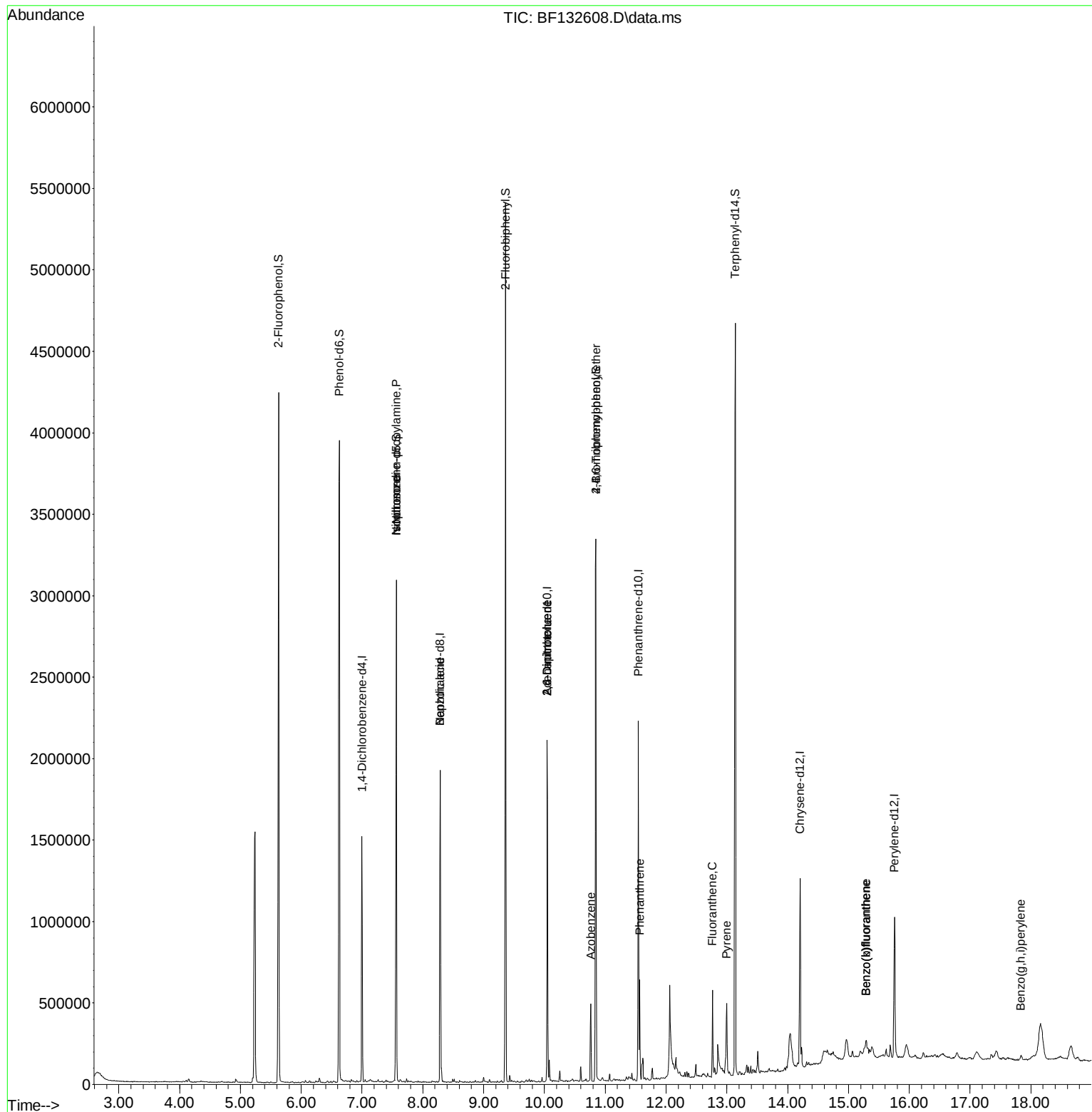
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	202508	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	761647	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	414176	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	790969	20.000	ng	0.00
76) Chrysene-d12	14.204	240	352127	20.000	ng	# 0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.563	70	132869	13.258	ng	# 75
25) Isophorone	7.563	82	1017047	33.044	ng	# 67
32) Benzoic acid	8.286	122	132	3.849	ng	# 1
51) 2,6-Dinitrotoluene	10.045	165	53585	7.802	ng	# 22
57) 2,4-Dinitrotoluene	10.045	165	53585	5.865	ng	# 21
63) Azobenzene	10.763	77	79397	2.545	ng	# 1
67) 4-Bromophenyl-phenylether	10.845	248	28612	3.198	ng	# 1
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
88) Benzo(b)fluoranthene	15.292	252	65331	2.423	ng	# 89
89) Benzo(k)fluoranthene	15.292	252	65331	2.476	ng	# 90
92) Benzo(g,h,i)perylene	17.833	276	20797	2.442	ng	95

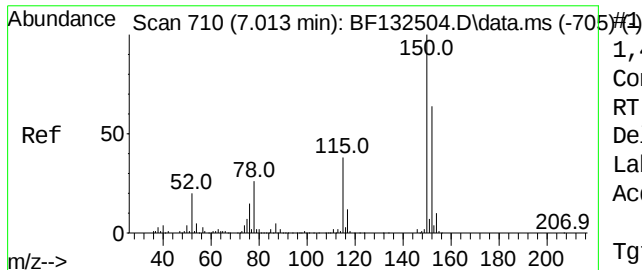
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.998 min Scan#

Delta R.T. -0.009 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

Instrument :

BNA_F

ClientSampleId :

SAMPLE-4-COMP-4

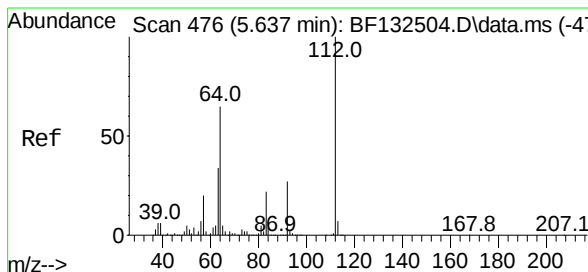
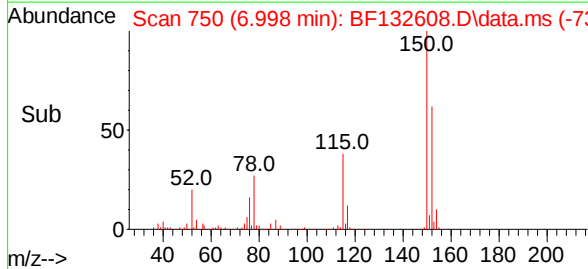
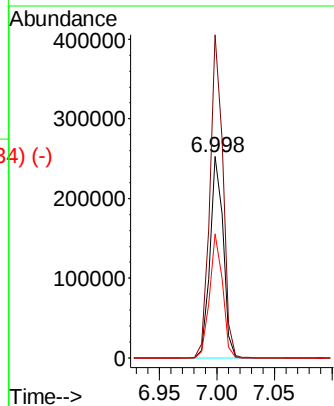
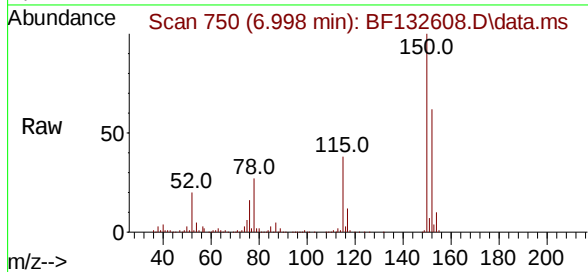
Tgt Ion:152 Resp: 202508

Ion Ratio Lower Upper

152 100

150 160.4 125.4 188.2

115 61.5 47.8 71.6



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

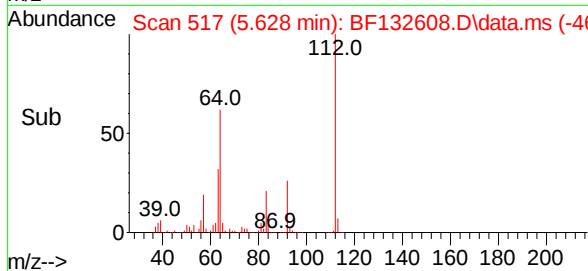
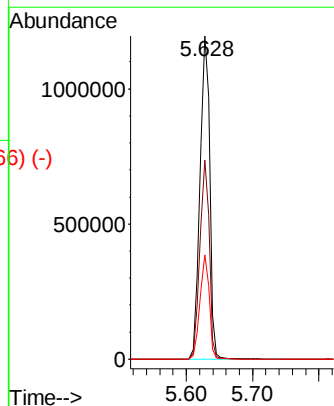
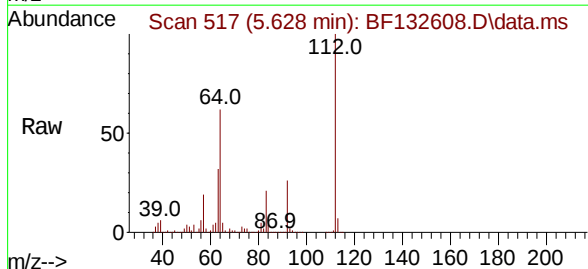
Tgt Ion:112 Resp: 1241476

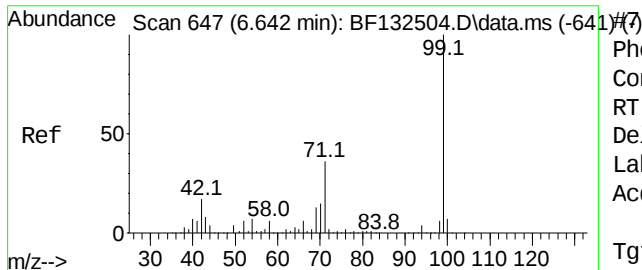
Ion Ratio Lower Upper

112 100

64 61.6 51.6 77.4

63 32.2 27.4 41.2





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

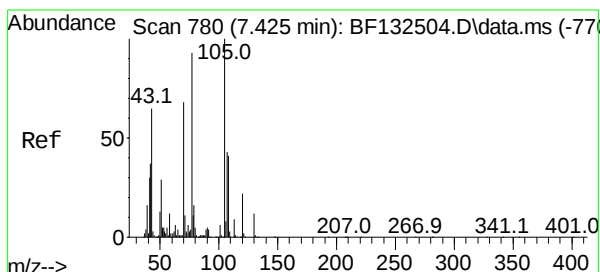
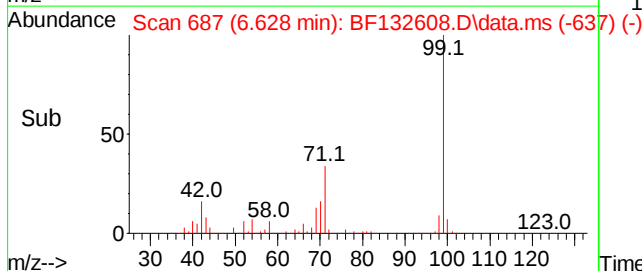
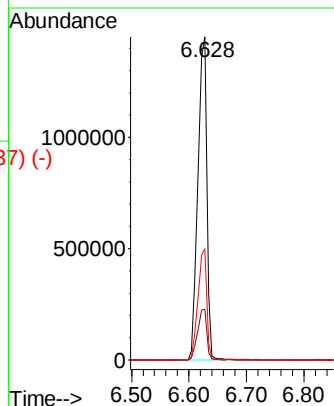
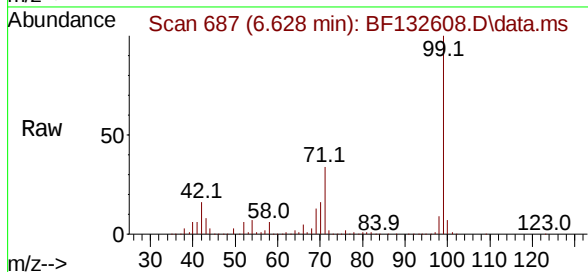
Tgt Ion: 99 Resp: 1567036

Ion Ratio Lower Upper

99 100

42 15.7 13.9 20.9

71 34.4 28.5 42.7



n-Nitroso-di-n-propylamine

Concen: 13.258 ng

RT: 7.563 min Scan# 846

Delta R.T. 0.144 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

Tgt Ion: 70 Resp: 132869

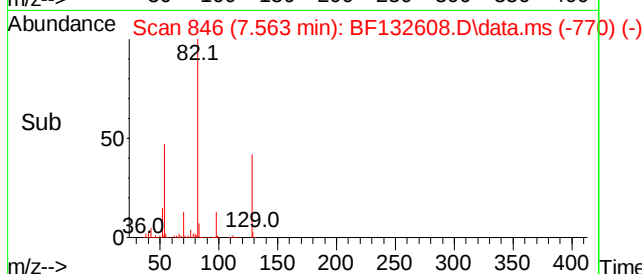
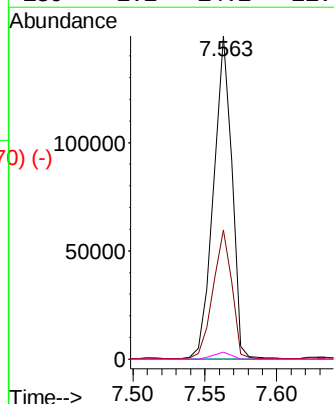
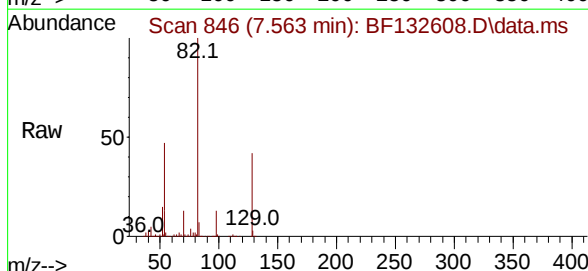
Ion Ratio Lower Upper

70 100

42 40.0 44.1 66.1#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#



Abundance Scan 929 (8.301 min): BF132504.D\data.ms (-922) #21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.286 min Scan# 969

Delta R.T. -0.003 min

Lab File: BF132608.D

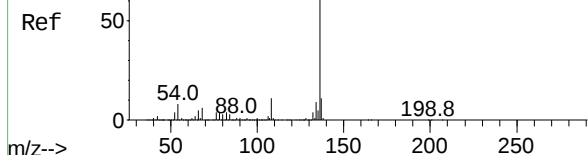
Acq: 02 Mar 2023 15:27

Instrument :

BNA_F

ClientSampleId :

SAMPLE-4-COMP-4



Tgt Ion:136 Resp: 761647

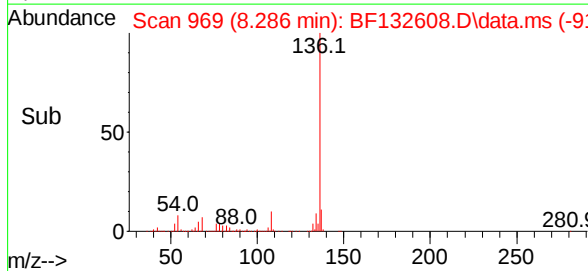
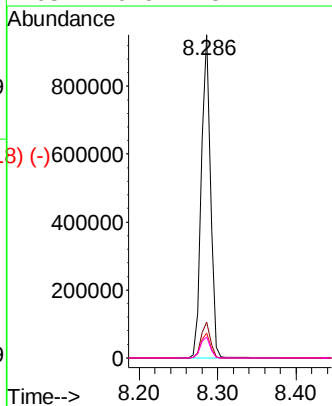
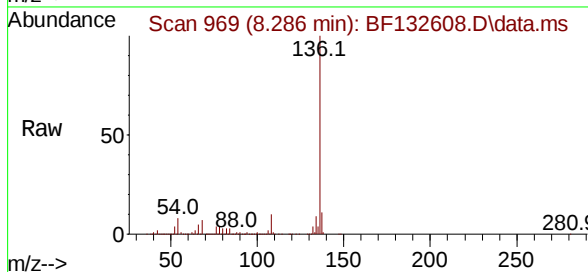
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.7 6.2 9.4

68 6.6 5.2 7.8



Abundance Scan 806 (7.578 min): BF132504.D\data.ms (-800) #23

Nitrobenzene-d5

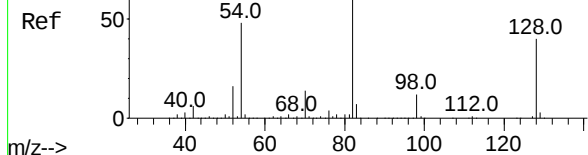
Concen: 63.364 ng

RT: 7.563 min Scan# 846

Delta R.T. -0.009 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27



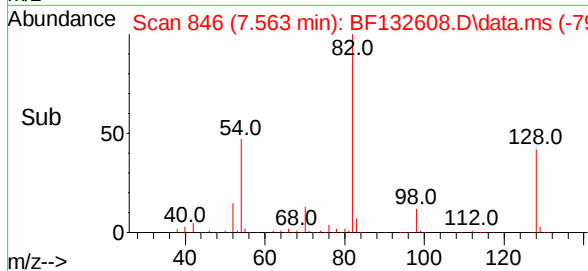
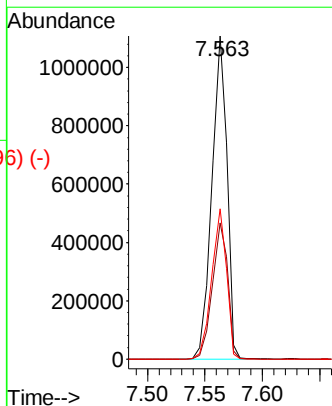
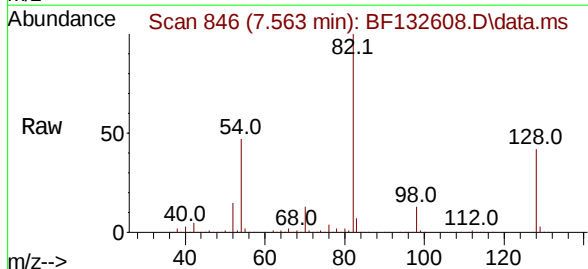
Tgt Ion: 82 Resp: 1017209

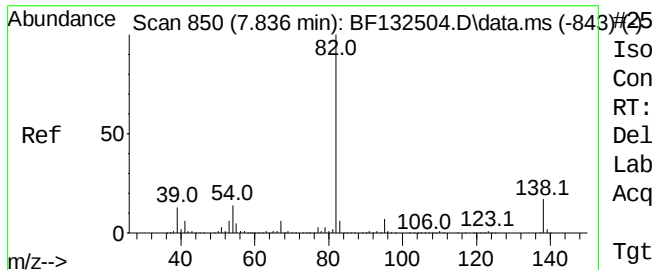
Ion Ratio Lower Upper

82 100

128 42.1 32.2 48.2

54 46.6 38.4 57.6





Isophorone

Concen: 33.044 ng

RT: 7.563 min Scan# 815

Delta R.T. -0.262 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

Instrument :

BNA_F

ClientSampleId :

SAMPLE-4-COMP-4

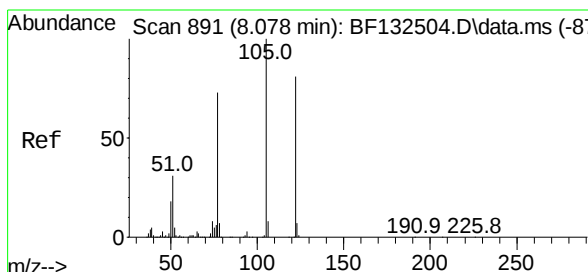
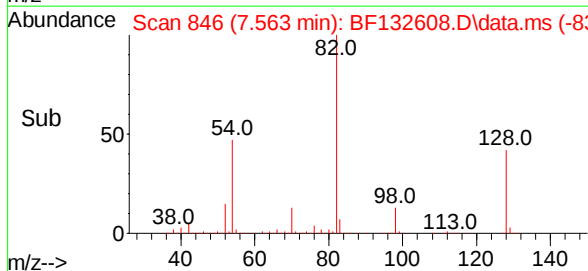
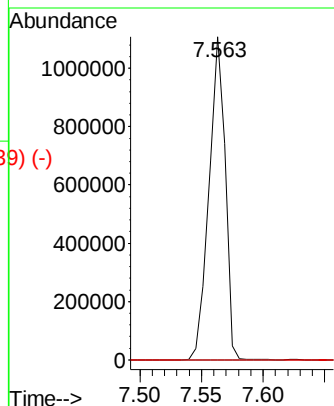
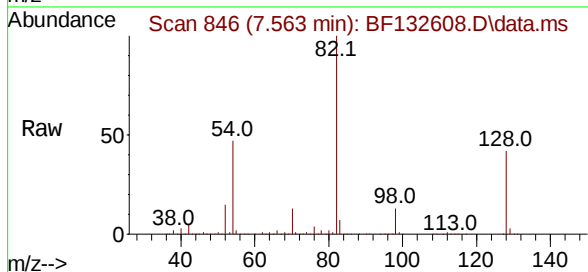
Tgt Ion: 82 Resp: 1017047

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.3 19.9#



Benzoic acid

Concen: 3.849 ng

RT: 8.286 min Scan# 969

Delta R.T. 0.221 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

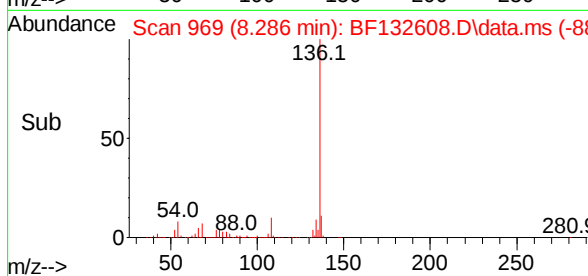
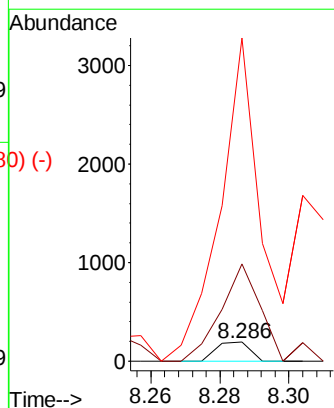
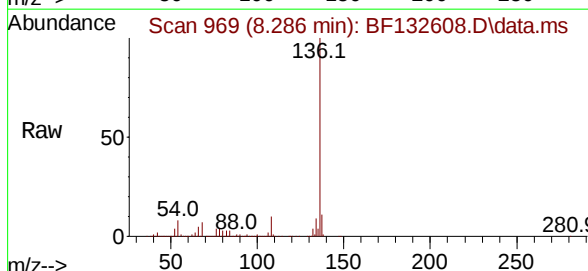
Tgt Ion:122 Resp: 132

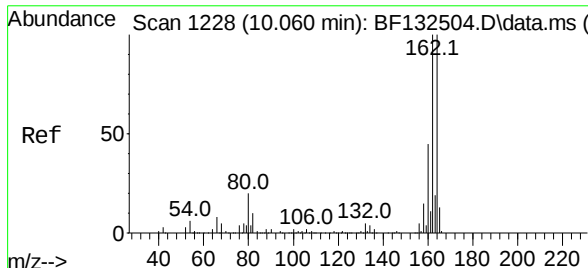
Ion Ratio Lower Upper

122 100

105 511.9 102.6 142.6#

77 1699.5 70.2 110.2#

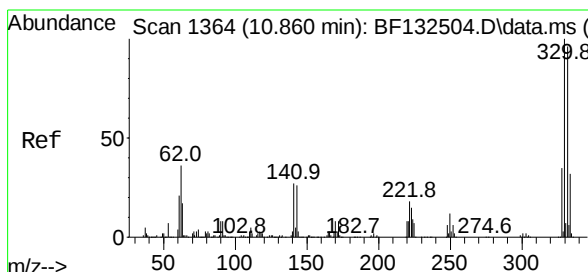
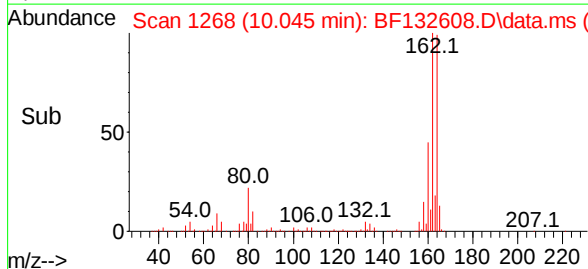
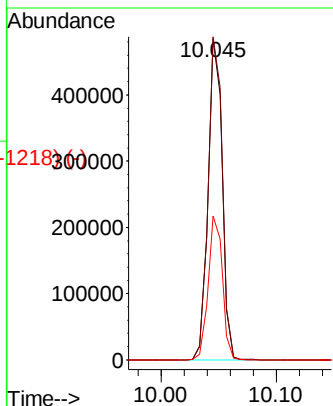
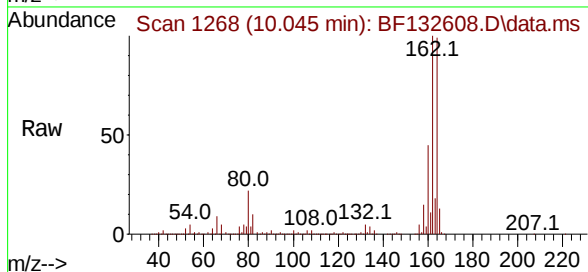




Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.045 min Scan# 1228
 Delta R.T. -0.009 min
 Lab File: BF132608.D
 Acq: 02 Mar 2023 15:27

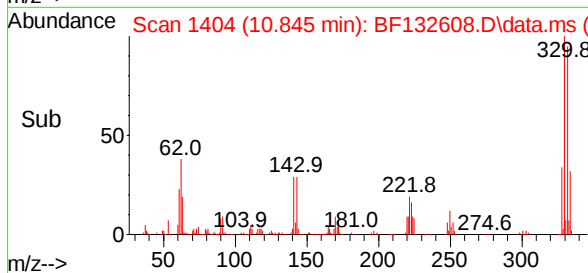
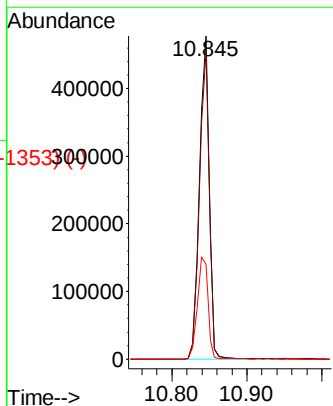
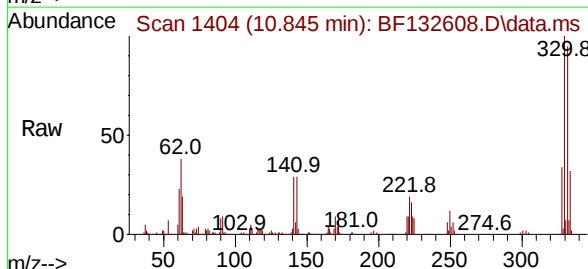
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4-COMP-4

Tgt Ion:	164	Resp:	414176
Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.8	119.8
160	44.9	35.8	53.6

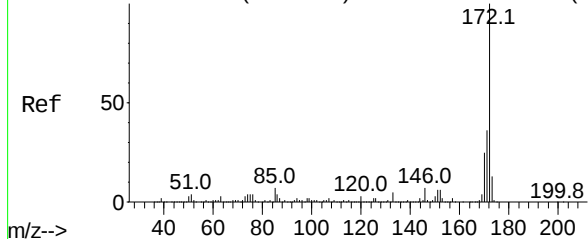


2,4,6-Tribromophenol
 Concen: 96.965 ng
 RT: 10.845 min Scan# 1404
 Delta R.T. -0.003 min
 Lab File: BF132608.D
 Acq: 02 Mar 2023 15:27

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



Abundance Scan 1112 (9.377 min): BF132504.D\data.ms (-110245)



2-Fluorobiphenyl

Concen: 59.038 ng

RT: 9.363 min Scan# 1112

Delta R.T. -0.009 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

Instrument :

BNA_F

ClientSampleId :

SAMPLE-4-COMP-4

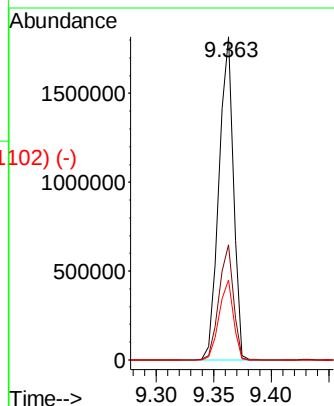
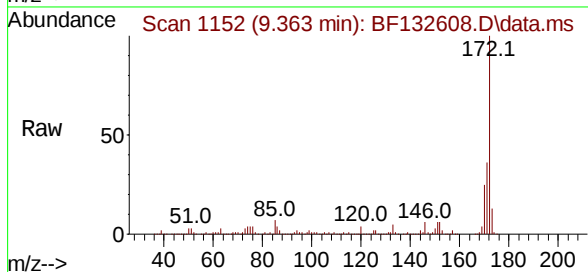
Tgt Ion:172 Resp: 1605876

Ion Ratio Lower Upper

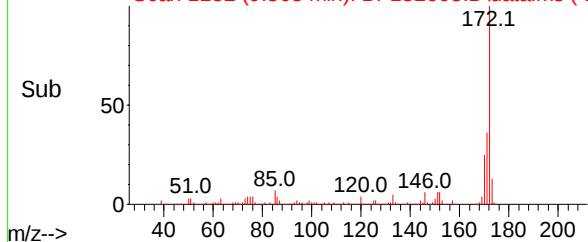
172 100

171 35.7 28.8 43.2

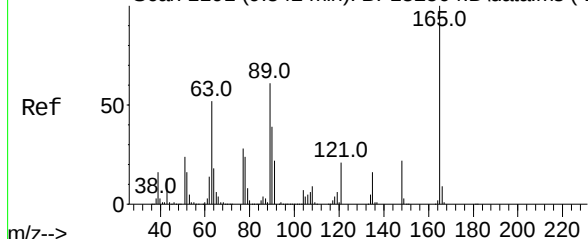
170 24.8 19.7 29.5



Abundance Scan 1152 (9.363 min): BF132608.D\data.ms (-110245)



Abundance Scan 1191 (9.842 min): BF132504.D\data.ms (-110245)



2,6-Dinitrotoluene

Concen: 7.802 ng

RT: 10.045 min Scan# 1268

Delta R.T. 0.209 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

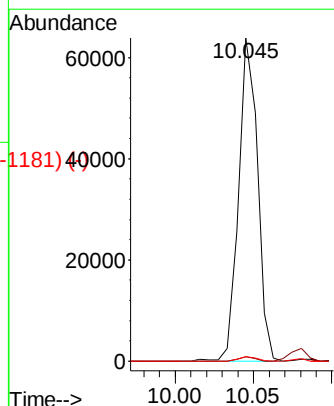
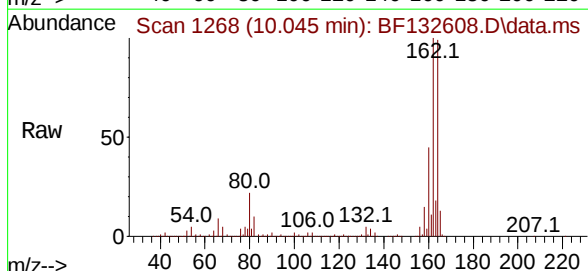
Tgt Ion:165 Resp: 53585

Ion Ratio Lower Upper

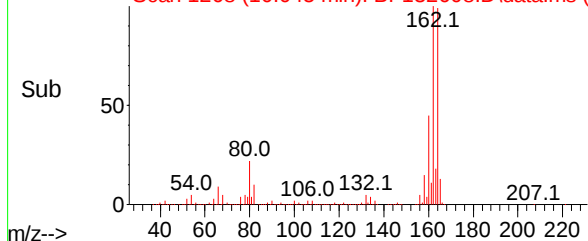
165 100

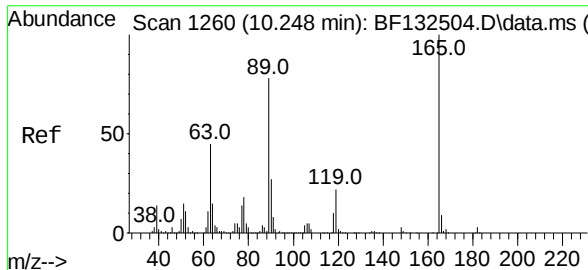
63 1.4 47.3 70.9#

89 1.4 48.9 73.3#



Abundance Scan 1268 (10.045 min): BF132608.D\data.ms (-118149)

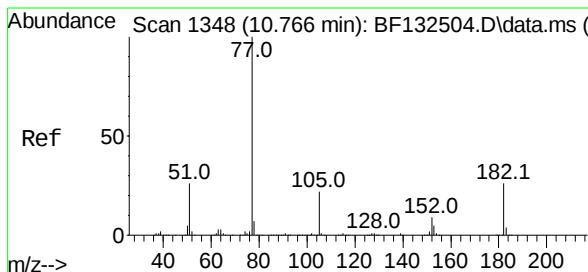
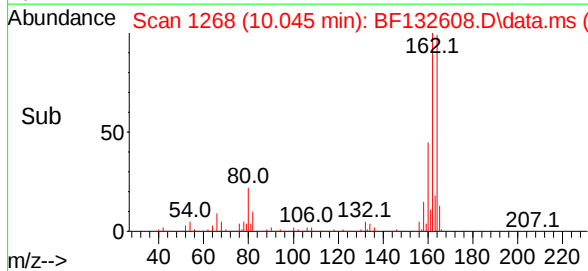
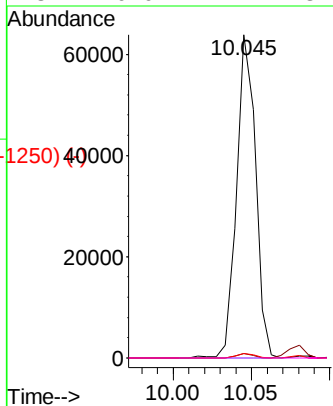
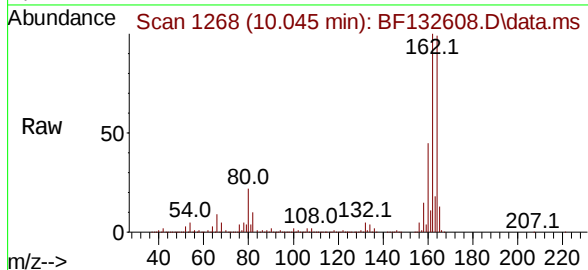




2,4-Dinitrotoluene
Concen: 5.865 ng
RT: 10.045 min Scan# 1257
Delta R.T. -0.197 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

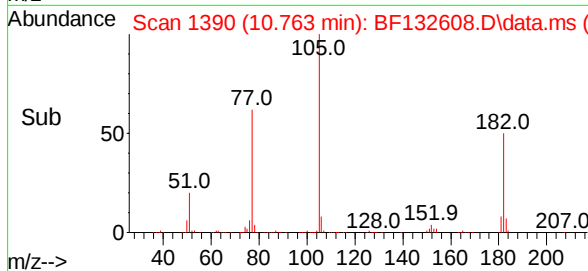
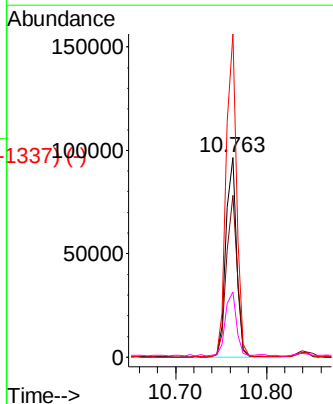
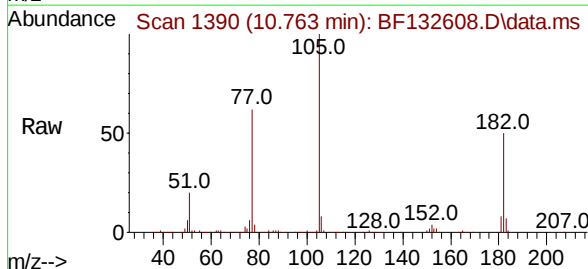
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4-COMP-4

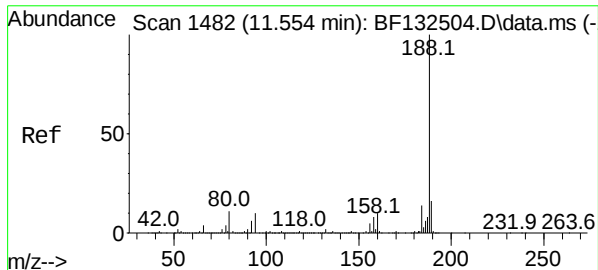
Tgt Ion:	165	Resp:	53585
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.5	54.7#
89	1.4	62.4	93.6#
182	0.0	2.1	3.1#



Azobenzene
Concen: 2.545 ng
RT: 10.763 min Scan# 1390
Delta R.T. 0.009 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

Tgt Ion:	77	Resp:	79397
Ion	Ratio	Lower	Upper
77	100		
182	81.1	5.5	45.5#
105	161.8	1.8	41.8#
51	32.7	6.4	46.4

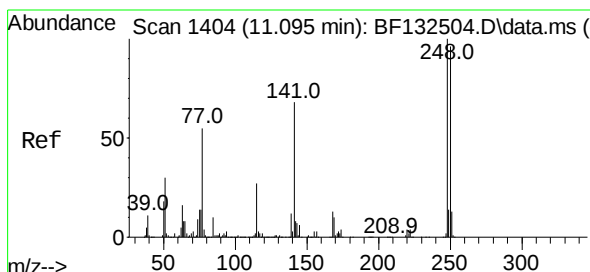
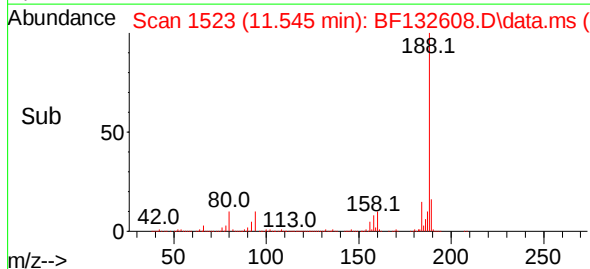
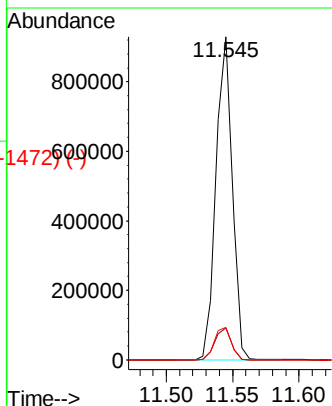
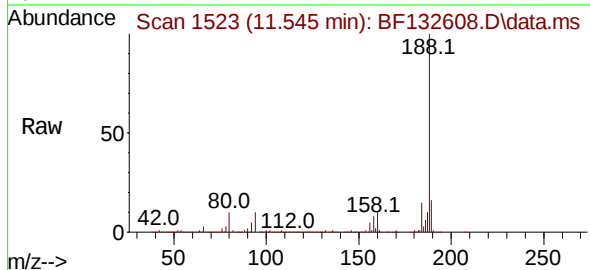




Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 1482
Delta R.T. -0.003 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

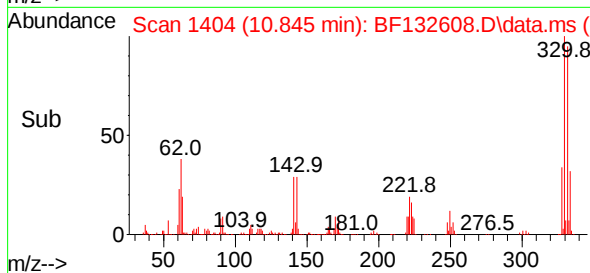
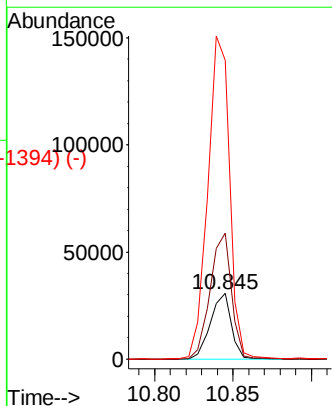
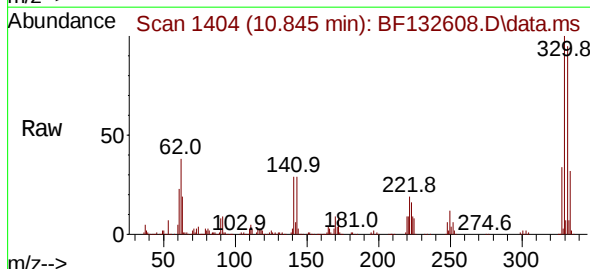
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4-COMP-4

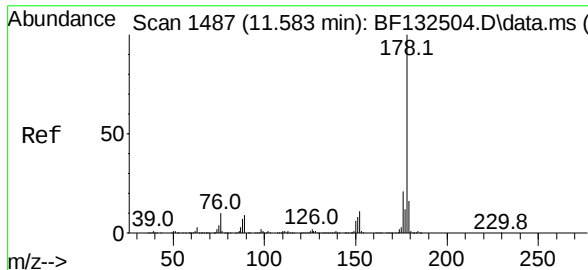
Tgt Ion:	188	Resp:	790969
Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.3	12.5
80	10.1	8.7	13.1



4-Bromophenyl-phenylether
Concen: 3.198 ng
RT: 10.845 min Scan# 1404
Delta R.T. -0.244 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

Tgt Ion:	248	Resp:	28612
Ion	Ratio	Lower	Upper
248	100		
250	191.3	77.0	115.4#
141	454.6	54.2	81.2#

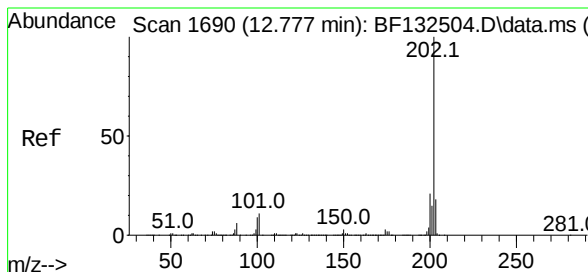
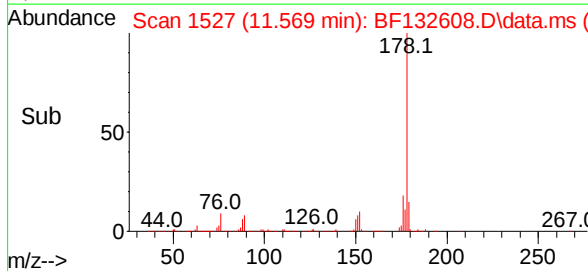
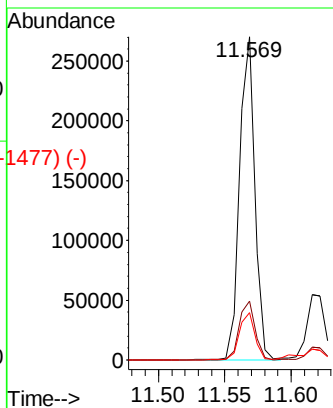
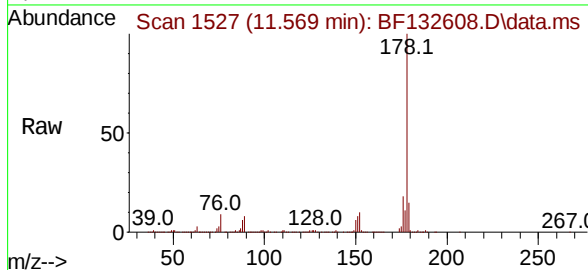




Scan 1487 (11.583 min): BF132504.D\data.ms (-1479) (-)
 Phenanthrene
 Concen: 5.350 ng
 RT: 11.569 min Scan# 1479
 Delta R.T. -0.009 min
 Lab File: BF132608.D
 Acq: 02 Mar 2023 15:27

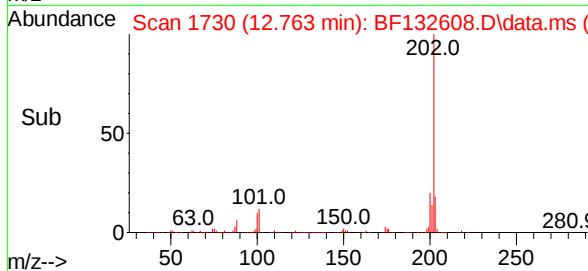
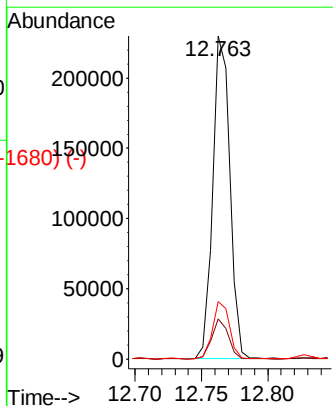
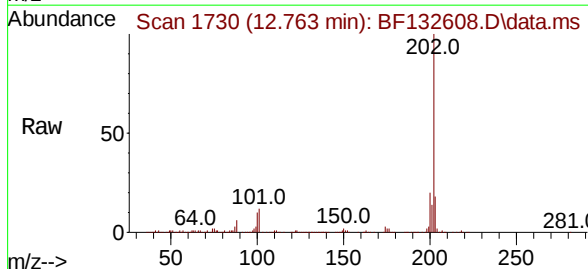
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4-COMP-4

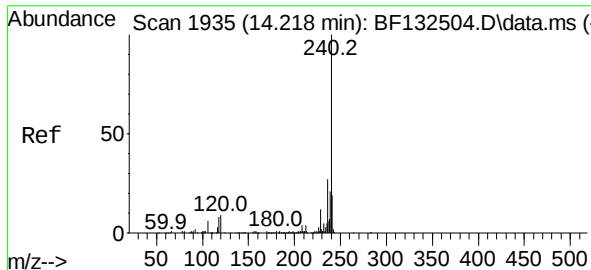
Tgt Ion:	178	Resp:	219241
Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.5	24.7
179	14.5	13.0	19.6



Scan 1690 (12.777 min): BF132504.D\data.ms (-1685) (-)
 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

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

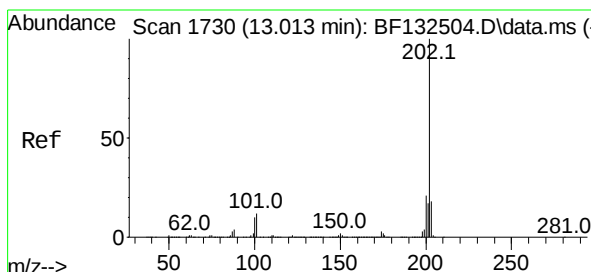
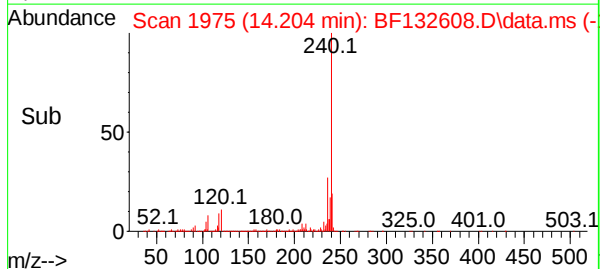
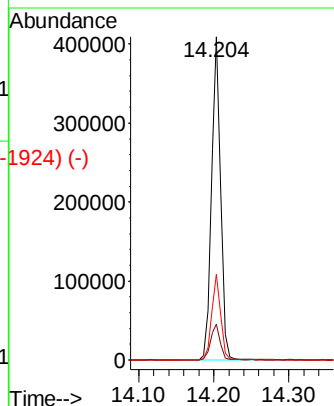
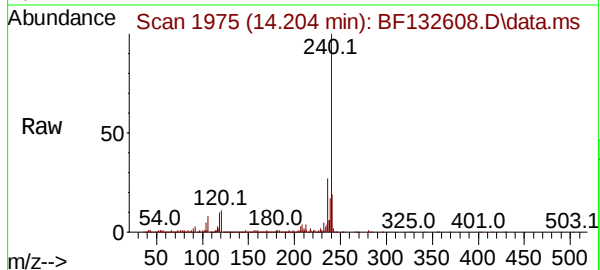




Chrysene-d12
 Concen: 20.000 ng
 RT: 14.204 min Scan# 1935
 Delta R.T. -0.003 min
 Lab File: BF132608.D
 Acq: 02 Mar 2023 15:27

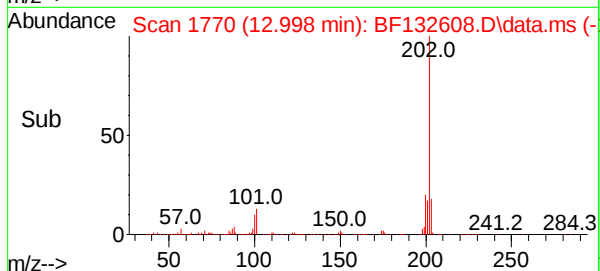
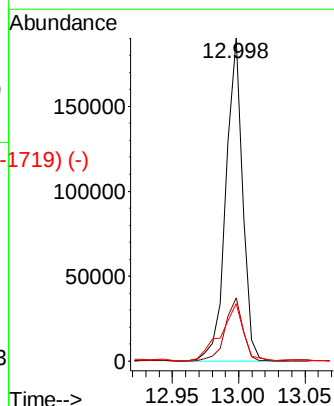
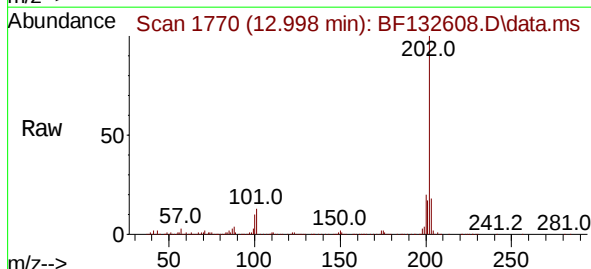
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-4-COMP-4

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

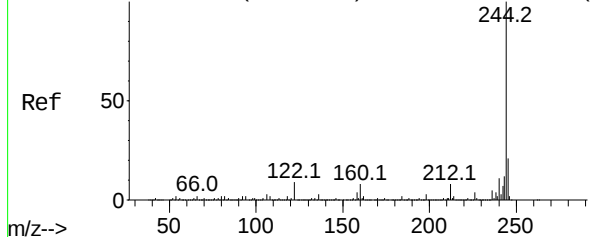


Pyrene
 Concen: 5.171 ng
 RT: 12.998 min Scan# 1770
 Delta R.T. -0.003 min
 Lab File: BF132608.D
 Acq: 02 Mar 2023 15:27

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



Abundance Scan 1753 (13.148 min): BF132504.D\data.ms (-1743) (-)



Terphenyl-d14

Concen: 81.236 ng

RT: 13.139 min Scan#

Delta R.T. -0.003 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

Instrument :

BNA_F

ClientSampleId :

SAMPLE-4-COMP-4

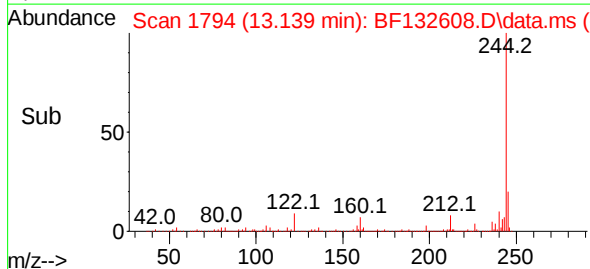
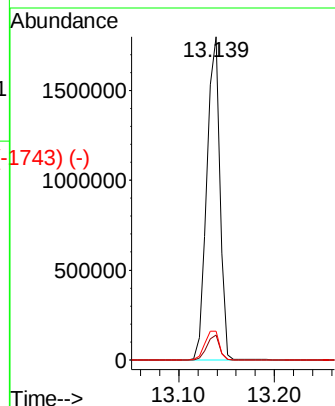
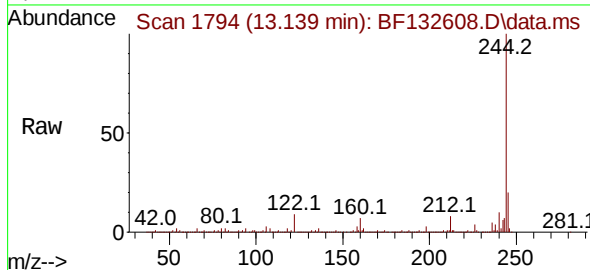
Tgt Ion:244 Resp: 1691870

Ion Ratio Lower Upper

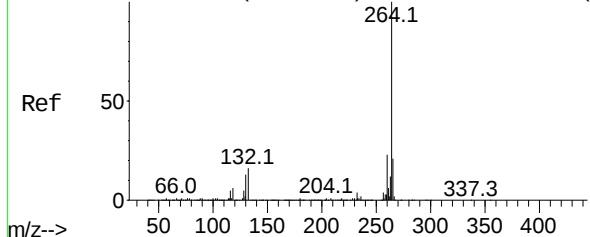
244 100

212 7.6 6.5 9.7

122 9.0 7.5 11.3



Abundance Scan 2198 (15.765 min): BF132504.D\data.ms (-2186) (-)



Perylene-d12

Concen: 20.000 ng

RT: 15.757 min Scan# 2239

Delta R.T. 0.003 min

Lab File: BF132608.D

Acq: 02 Mar 2023 15:27

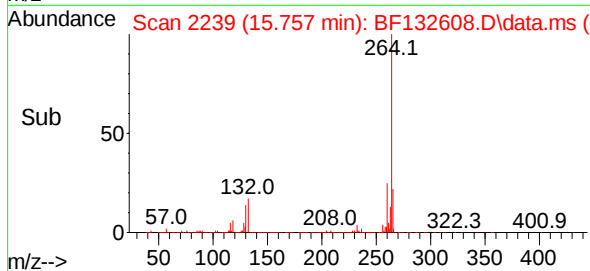
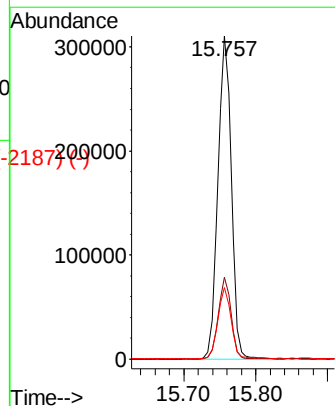
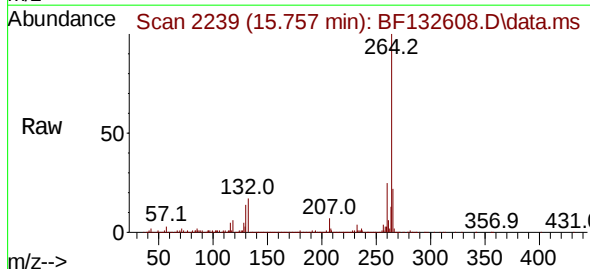
Tgt Ion:264 Resp: 402291

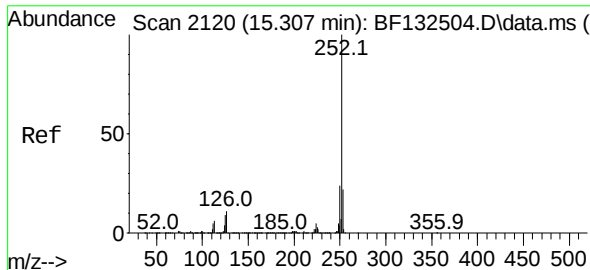
Ion Ratio Lower Upper

264 100

260 25.4 18.8 28.2

265 22.1 17.1 25.7

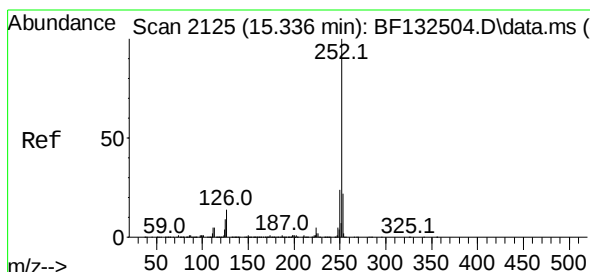
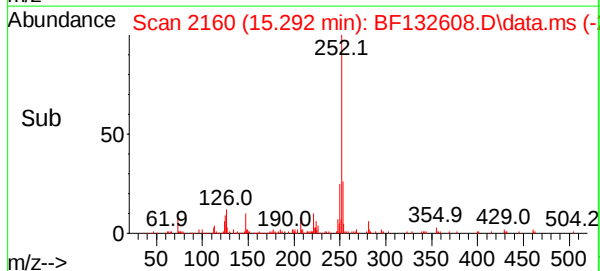
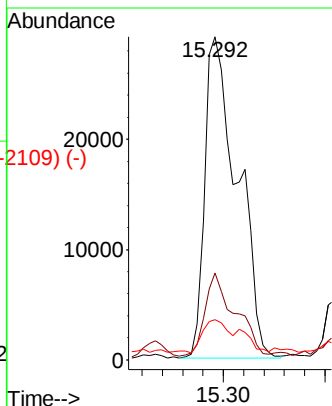
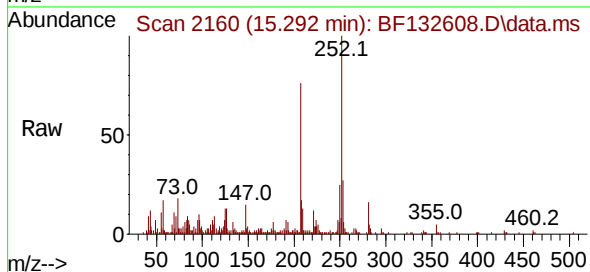




Benzo(b)fluoranthene
Concen: 2.423 ng
RT: 15.292 min Scan# 2160
Delta R.T. -0.003 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

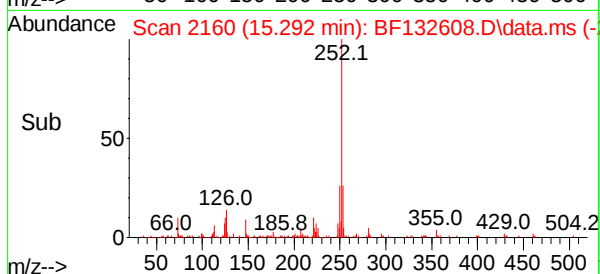
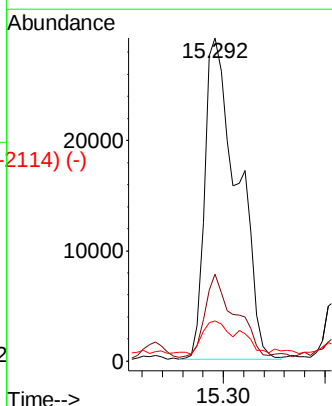
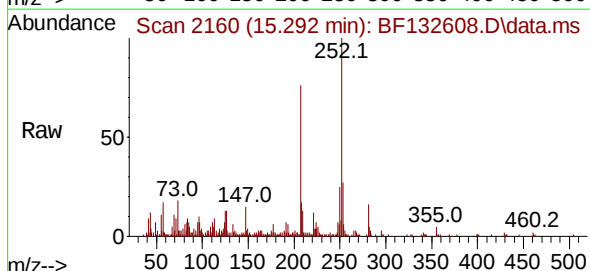
Instrument :
BNA_F
ClientSampleId :
SAMPLE-4-COMP-4

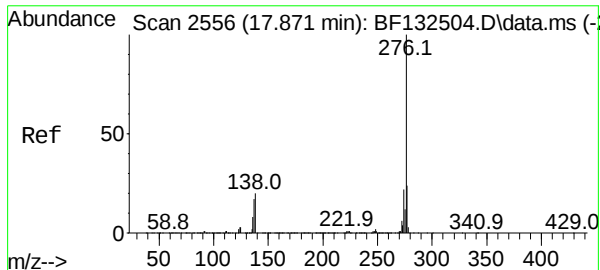
Tgt Ion:	252	Resp:	65331
Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.4	26.0#
125	12.6	7.0	10.6#



Benzo(k)fluoranthene
Concen: 2.476 ng
RT: 15.292 min Scan# 2160
Delta R.T. -0.032 min
Lab File: BF132608.D
Acq: 02 Mar 2023 15:27

Tgt Ion:	252	Resp:	65331
Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.5	26.3#
125	12.6	7.2	10.8#





Benzo(g,h,i)perylene
 Concen: 2.442 ng
 RT: 17.833 min Scan# 1
 Delta R.T. -0.021 min
 Lab File: BF132608.D
 Acq: 02 Mar 2023 15:27

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

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

