

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
 Data File : BF132716.D
 Acq On : 09 Mar 2023 14:03
 Operator : CG\JU
 Sample : 01834-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 09 15:55:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 11:52:47 2023
 Response via : Initial Calibration

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

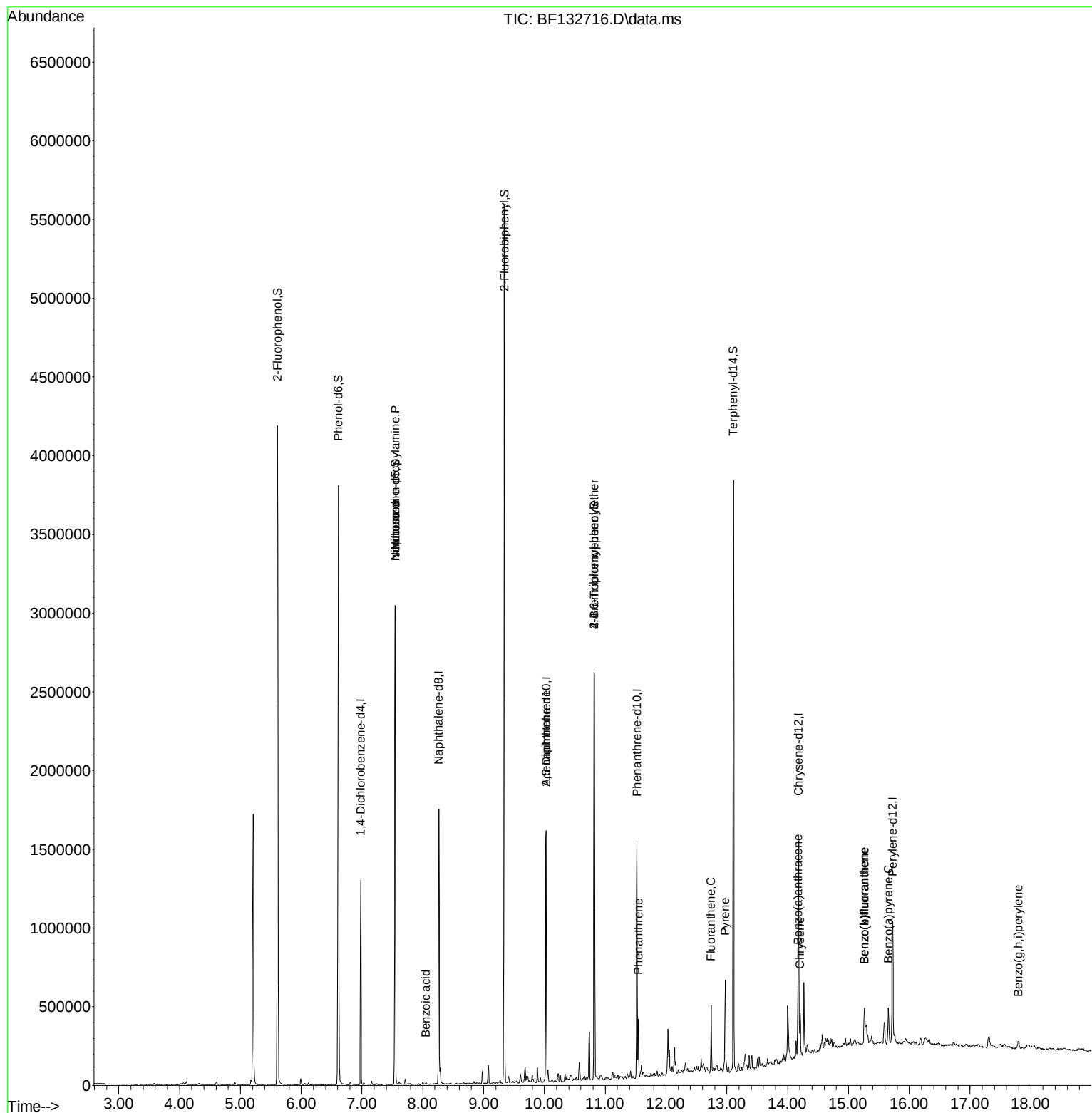
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	180852	20.000	ng	-0.01
21) Naphthalene-d8	8.263	136	682803	20.000	ng	-0.02
39) Acenaphthene-d10	10.028	164	336432	20.000	ng	-0.01
64) Phenanthrene-d10	11.522	188	532693	20.000	ng	-0.01
76) Chrysene-d12	14.180	240	394967	20.000	ng	-0.02
86) Perylene-d12	15.727	264	392776	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	1197351	107.451	ng	0.00
7) Phenol-d6	6.610	99	1502770	103.333	ng	-0.01
23) Nitrobenzene-d5	7.545	82	956514	66.463	ng	-0.02
42) 2,4,6-Tribromophenol	10.822	330	327498	90.137	ng	-0.01
45) 2-Fluorobiphenyl	9.339	172	1508975	68.295	ng	-0.02
79) Terphenyl-d14	13.110	244	1252543	53.618	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.545	70	126973	14.186	ng	# 75
25) Isophorone	7.545	82	956500	34.666	ng	# 67
32) Benzoic acid	8.051	122	82	3.845	ng	# 19
51) 2,6-Dinitrotoluene	10.028	165	44580	7.991	ng	# 22
67) 4-Bromophenyl-phenylether	10.822	248	22387	3.715	ng	# 1
71) Phenanthrene	11.545	178	128649	4.662	ng	96
75) Fluoranthene	12.739	202	167221	5.543	ng	97
78) Pyrene	12.974	202	222617	6.199	ng	97
81) Benzo(a)anthracene	14.168	228	117028	3.960	ng	99
83) Chrysene	14.204	228	106005	3.836	ng	98
88) Benzo(b)fluoranthene	15.263	252	196165	7.453	ng	# 94
89) Benzo(k)fluoranthene	15.263	252	196165	7.615	ng	# 95
90) Benzo(a)pyrene	15.657	252	113456	4.605	ng	96
92) Benzo(g,h,i)perylene	17.792	276	45317	3.462	ng	95

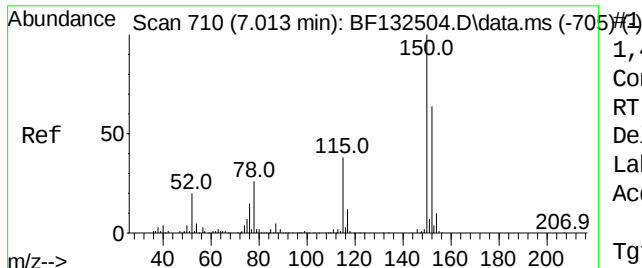
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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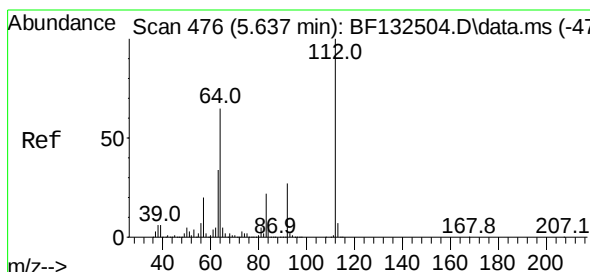
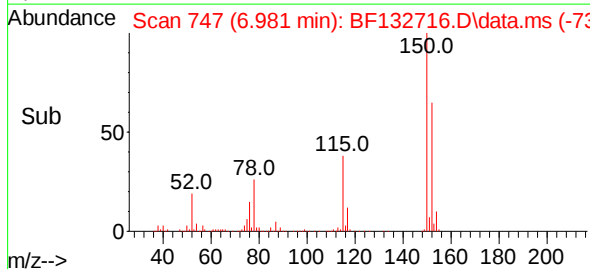
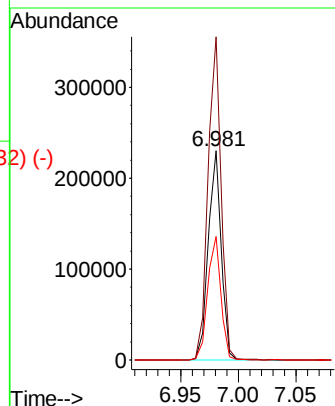
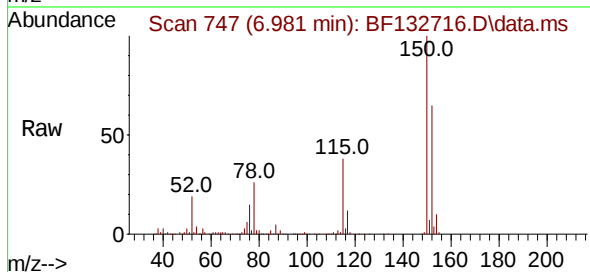




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.981 min Scan#
 Delta R.T. -0.012 min
 Lab File: BF132716.D
 Acq: 09 Mar 2023 14:03

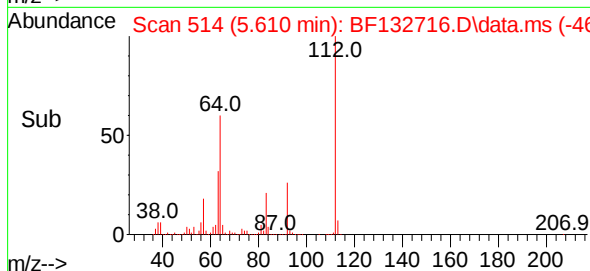
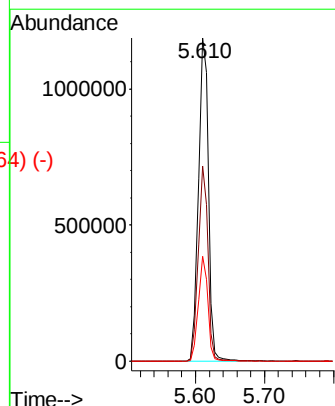
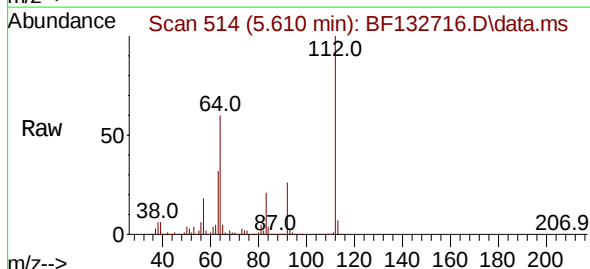
Instrument :
 BNA_F
 ClientSampleId :

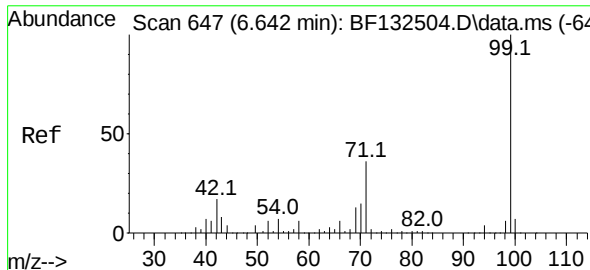
Tgt Ion:152 Resp: 180852
 Ion Ratio Lower Upper
 152 100
 150 154.4 125.4 188.2
 115 59.1 47.8 71.6



2-Fluorophenol
 Concen: 107.451 ng
 RT: 5.610 min Scan# 514
 Delta R.T. -0.006 min
 Lab File: BF132716.D
 Acq: 09 Mar 2023 14:03

Tgt Ion:112 Resp: 1197351
 Ion Ratio Lower Upper
 112 100
 64 60.4 51.6 77.4
 63 32.4 27.4 41.2





Phenol-d6

Concen: 103.333 ng

RT: 6.610 min Scan#

Delta R.T. -0.012 min

Lab File: BF132716.D

Acq: 09 Mar 2023 14:03

Instrument :

BNA_F

ClientSampleId :

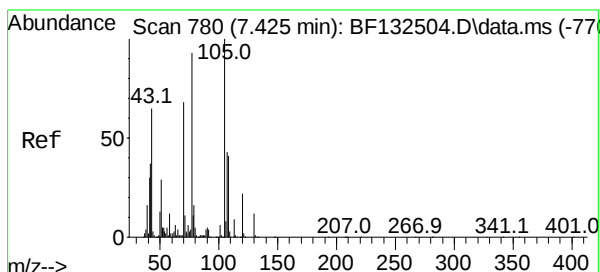
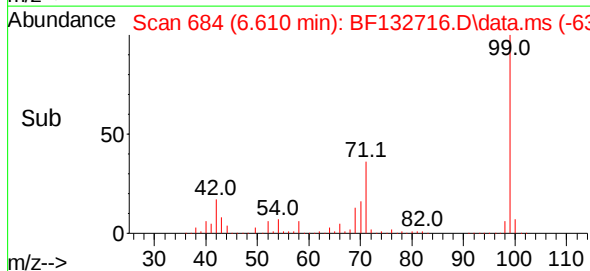
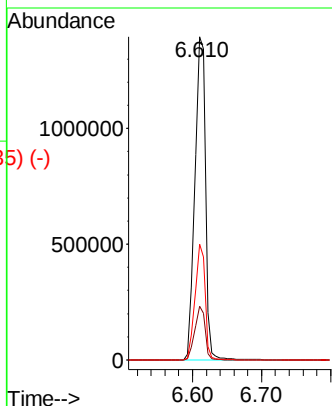
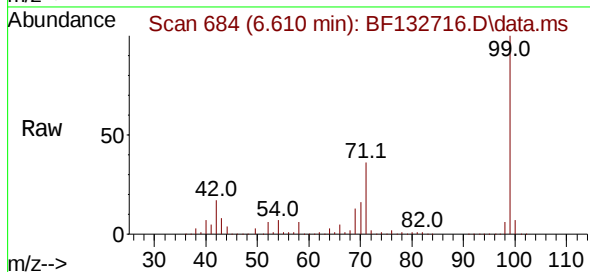
Tgt Ion: 99 Resp: 1502770

Ion Ratio Lower Upper

99 100

42 16.7 13.9 20.9

71 35.8 28.5 42.7



n-Nitroso-di-n-propylamine

Concen: 14.186 ng

RT: 7.545 min Scan# 843

Delta R.T. 0.141 min

Lab File: BF132716.D

Acq: 09 Mar 2023 14:03

Tgt Ion: 70 Resp: 126973

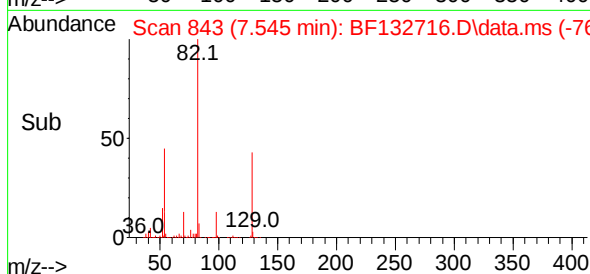
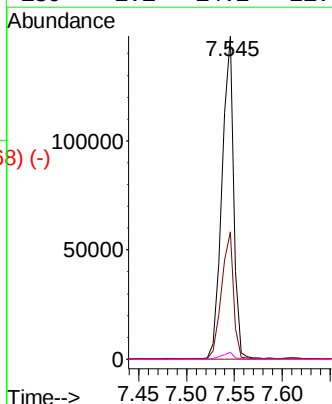
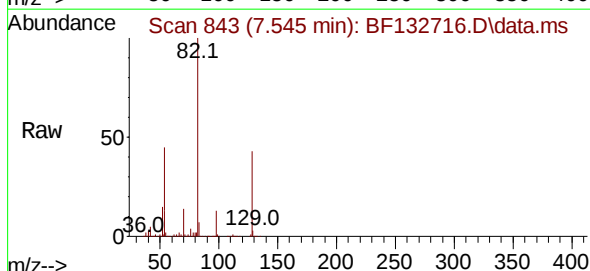
Ion Ratio Lower Upper

70 100

42 39.4 44.1 66.1#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#



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

Naphthalene-d8

Concen: 20.000 ng

RT: 8.263 min Scan# 917

Delta R.T. -0.018 min

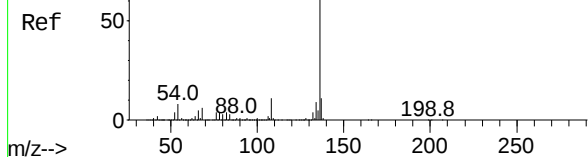
Lab File: BF132716.D

Acq: 09 Mar 2023 14:03

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 682803

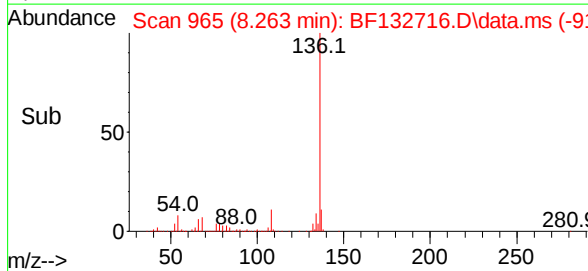
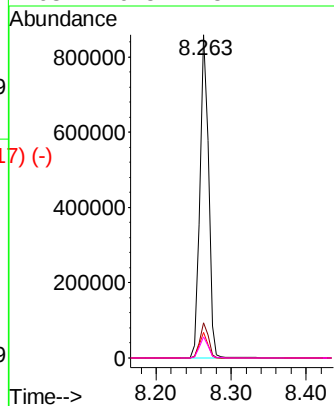
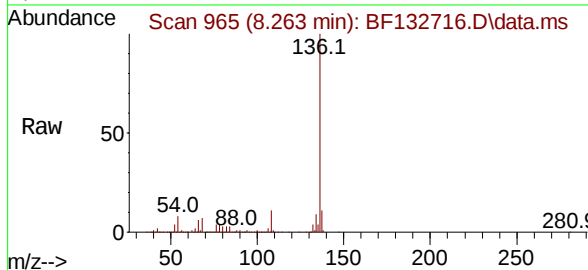
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.8 6.2 9.4

68 6.5 5.2 7.8



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

Nitrobenzene-d5

Concen: 66.463 ng

RT: 7.545 min Scan# 843

Delta R.T. -0.018 min

Lab File: BF132716.D

Acq: 09 Mar 2023 14:03

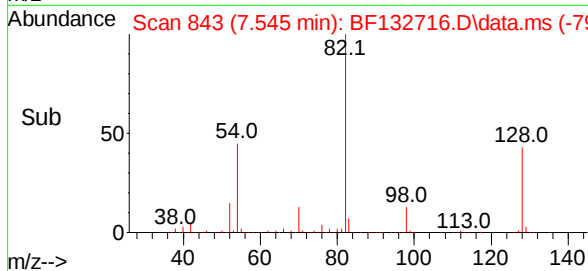
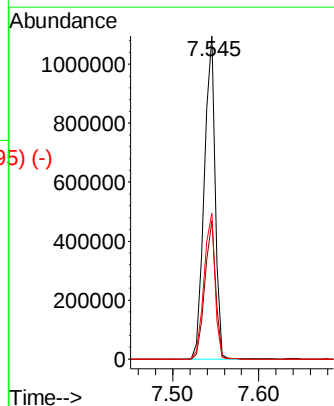
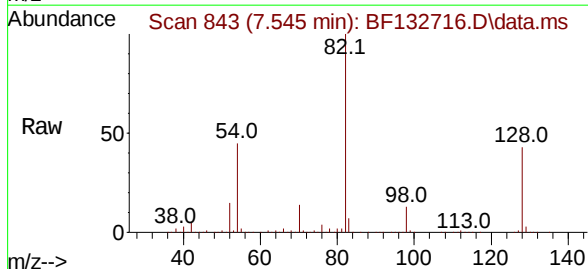
Tgt Ion: 82 Resp: 956514

Ion Ratio Lower Upper

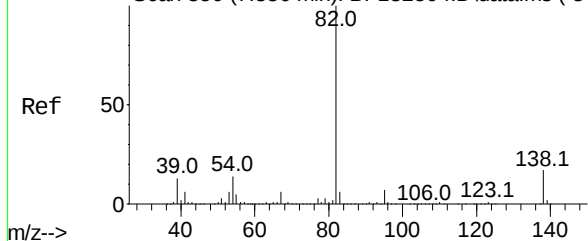
82 100

128 42.8 32.2 48.2

54 45.2 38.4 57.6



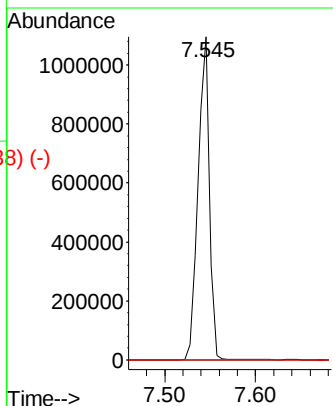
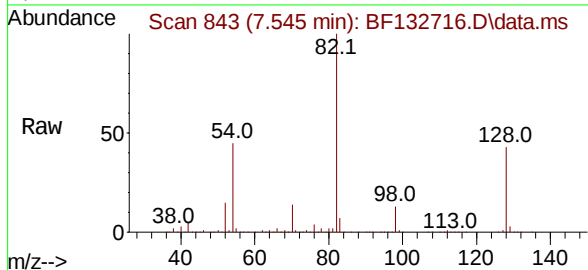
Abundance Scan 850 (7.836 min): BF132504.D\data.ms (-843) #25



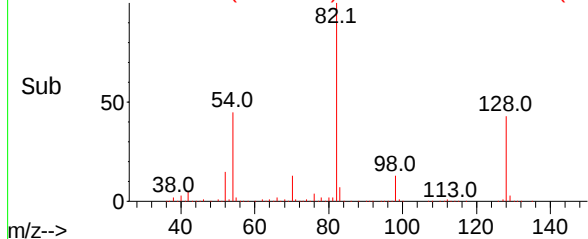
Isophorone
Concen: 34.666 ng
RT: 7.545 min Scan# 812
Delta R.T. -0.271 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Instrument :
BNA_F
ClientSampleId :

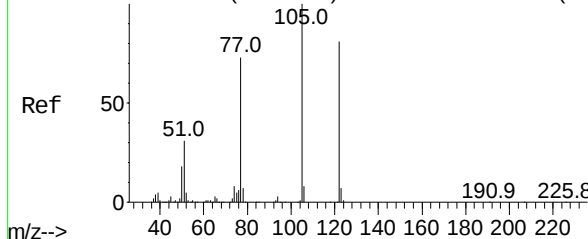
Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.3	19.9#



Abundance Scan 843 (7.545 min): BF132716.D\data.ms (-838) (-)

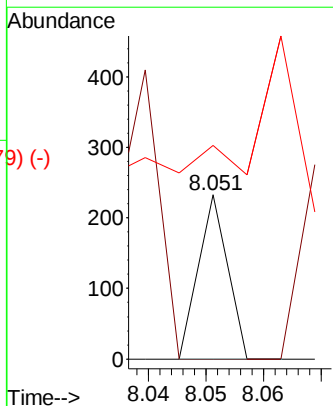
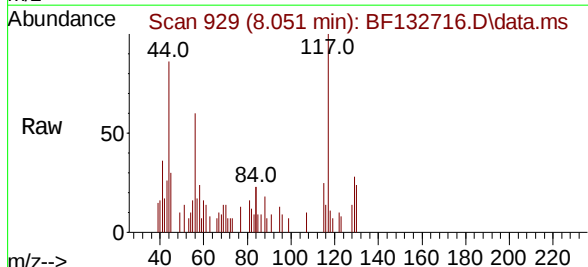


Abundance Scan 891 (8.078 min): BF132504.D\data.ms (-875) #32

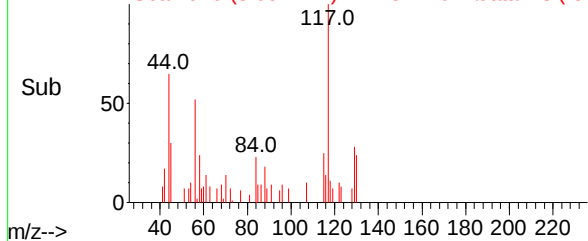


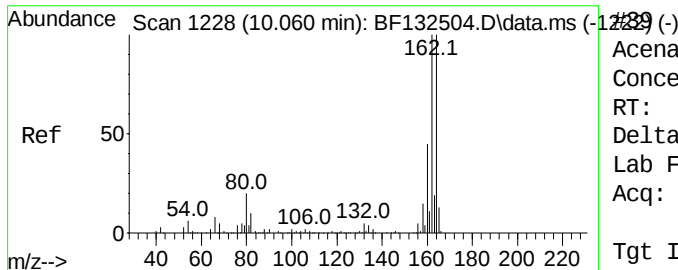
Benzoic acid
Concen: 3.845 ng
RT: 8.051 min Scan# 929
Delta R.T. -0.006 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	102.6	142.6#
77	130.0	70.2	110.2#



Abundance Scan 929 (8.051 min): BF132716.D\data.ms (-879) (-)





Acenaphthene-d10

Concen: 20.000 ng

RT: 10.028 min Scan#

Delta R.T. -0.012 min

Lab File: BF132716.D

Acq: 09 Mar 2023 14:03

Instrument :

BNA_F

ClientSampleId :

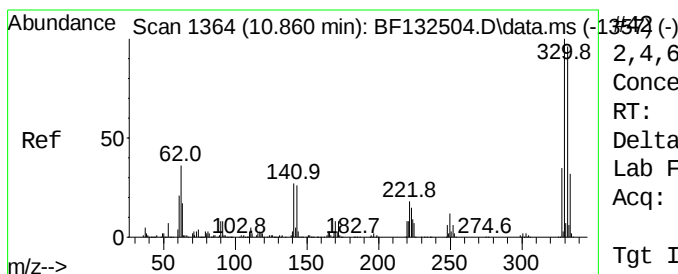
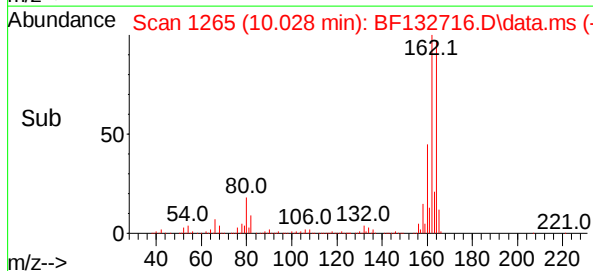
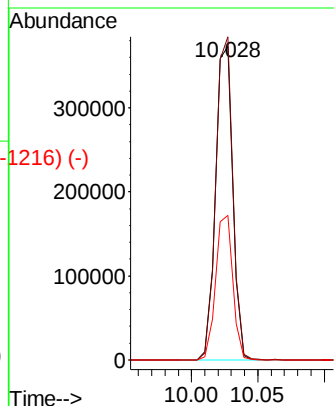
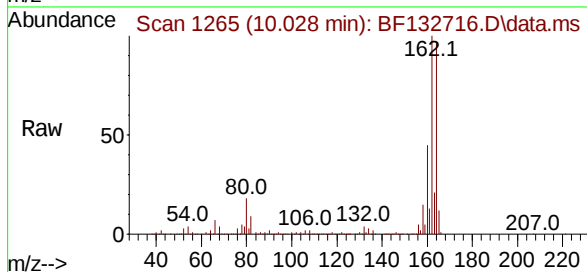
Tgt Ion:164 Resp: 336432

Ion Ratio Lower Upper

164 100

162 103.0 79.8 119.8

160 46.1 35.8 53.6



2,4,6-Tribromophenol

Concen: 90.137 ng

RT: 10.822 min Scan# 1400

Delta R.T. -0.012 min

Lab File: BF132716.D

Acq: 09 Mar 2023 14:03

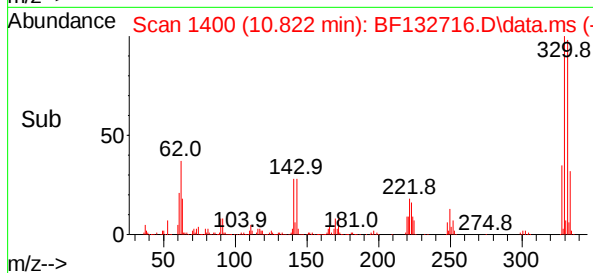
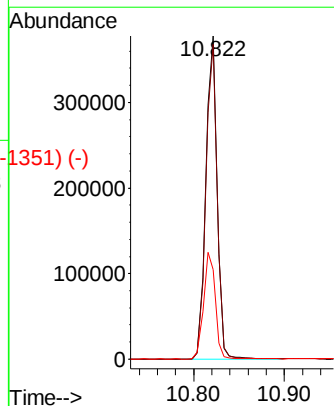
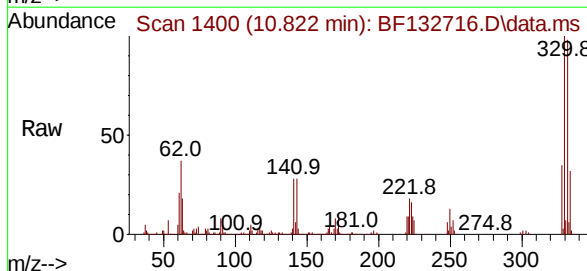
Tgt Ion:330 Resp: 327498

Ion Ratio Lower Upper

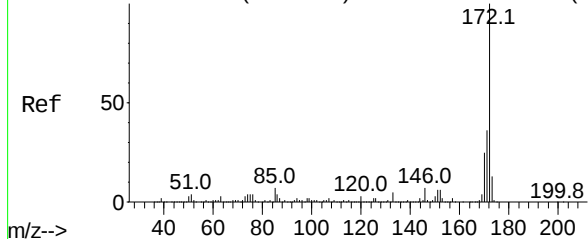
330 100

332 97.6 76.2 114.4

141 34.3 28.4 42.6



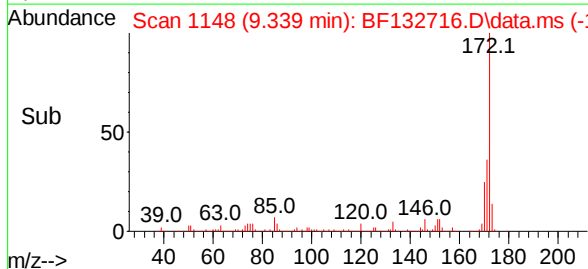
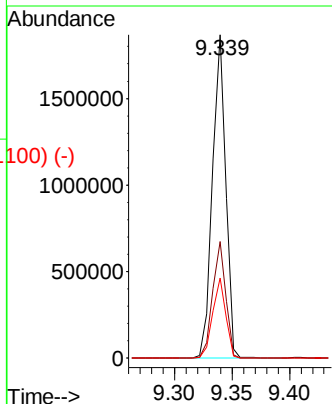
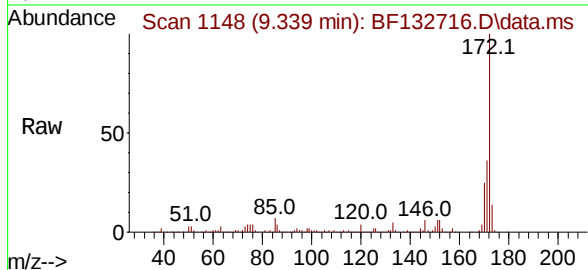
Abundance Scan 1112 (9.377 min): BF132504.D\data.ms (-11024)



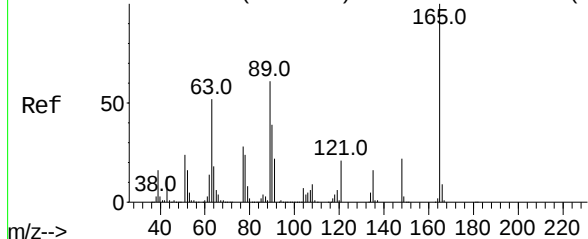
2-Fluorobiphenyl
Concen: 68.295 ng
RT: 9.339 min Scan# 1112
Delta R.T. -0.018 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 1508975
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 24.7 19.7 29.5

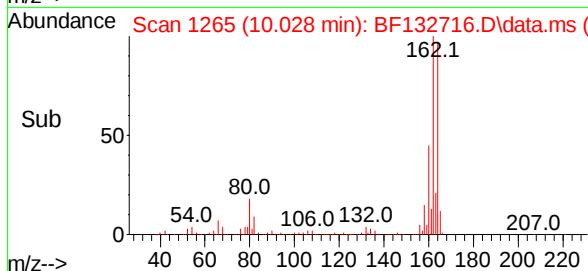
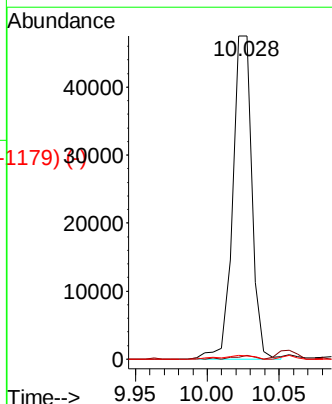
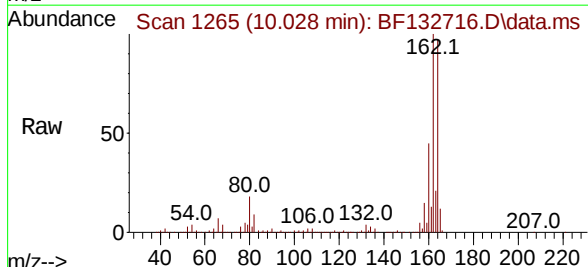


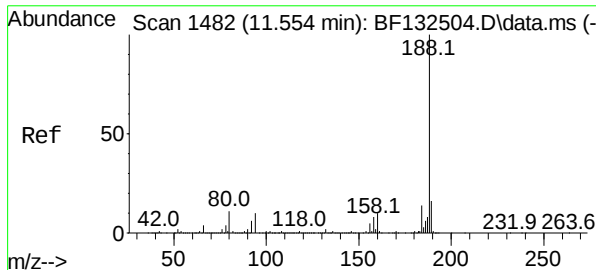
Abundance Scan 1191 (9.842 min): BF132504.D\data.ms (-11051)



2,6-Dinitrotoluene
Concen: 7.991 ng
RT: 10.028 min Scan# 1265
Delta R.T. 0.206 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Tgt Ion:165 Resp: 44580
Ion Ratio Lower Upper
165 100
63 1.1 47.3 70.9#
89 1.0 48.9 73.3#

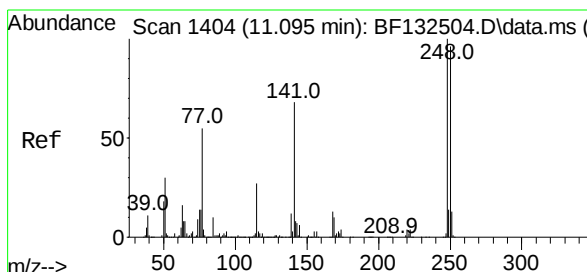
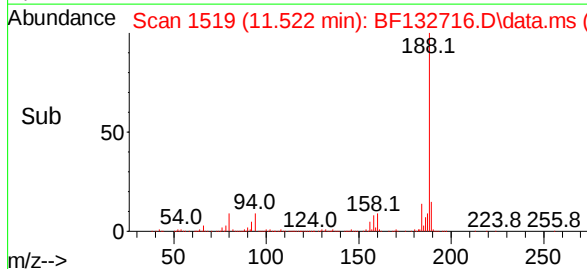
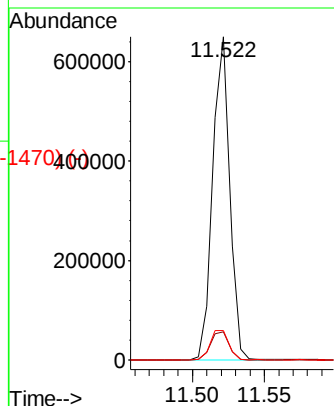
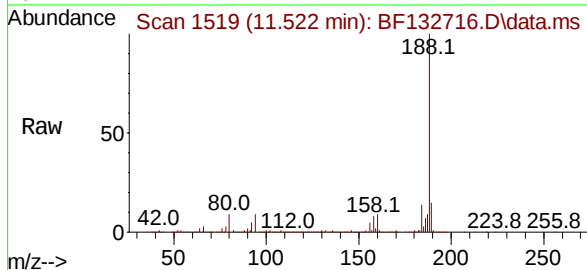




Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.522 min Scan# 1482
 Delta R.T. -0.012 min
 Lab File: BF132716.D
 Acq: 09 Mar 2023 14:03

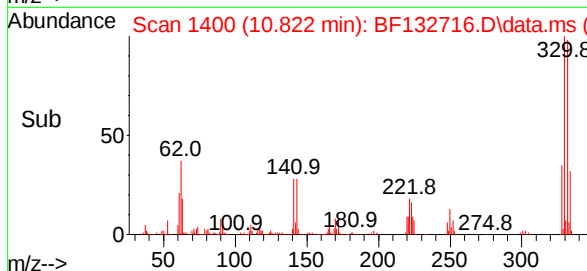
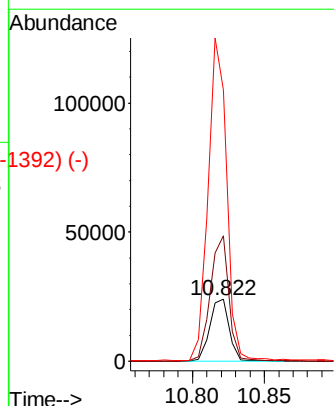
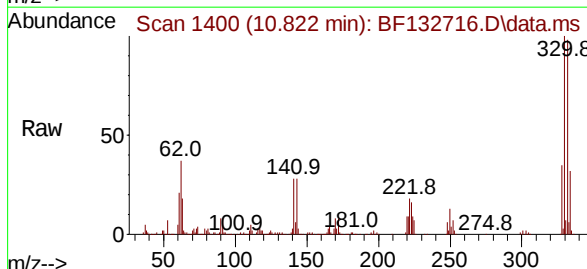
Instrument :
 BNA_F
 ClientSampleId :

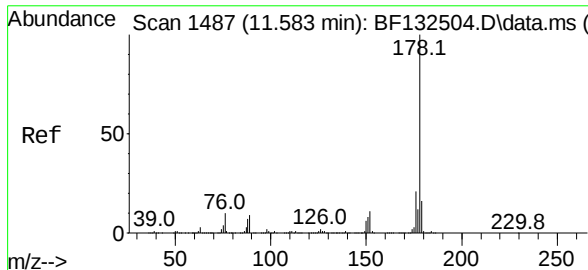
Tgt Ion:	188	Resp:	532693
Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.3	12.5
80	9.0	8.7	13.1



4-Bromophenyl-phenylether
 Concen: 3.715 ng
 RT: 10.822 min Scan# 1400
 Delta R.T. -0.253 min
 Lab File: BF132716.D
 Acq: 09 Mar 2023 14:03

Tgt Ion:	248	Resp:	22387
Ion	Ratio	Lower	Upper
248	100		
250	203.1	77.0	115.4#
141	439.1	54.2	81.2#



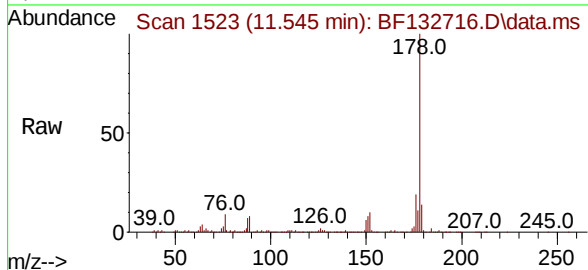


Scan 1487 (11.583 min): BF132504.D\data.ms (-1479) (-)
 Phenanthrene
 Concen: 4.662 ng
 RT: 11.545 min Scan# 1479
 Delta R.T. -0.018 min
 Lab File: BF132716.D
 Acq: 09 Mar 2023 14:03

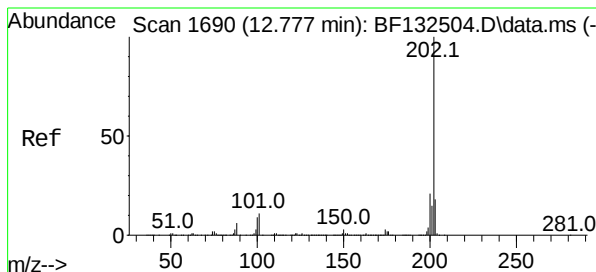
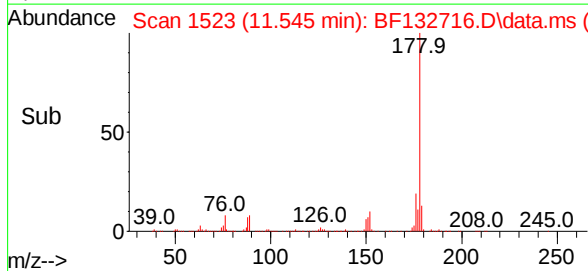
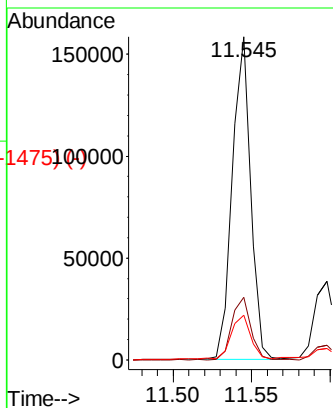
Instrument :

BNA_F

ClientSampleId :

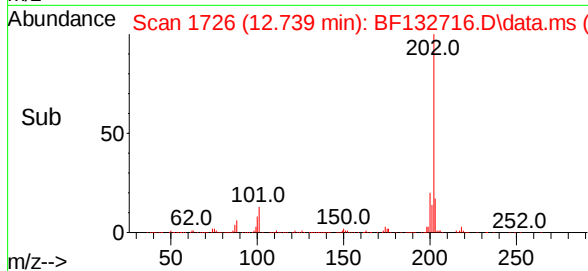
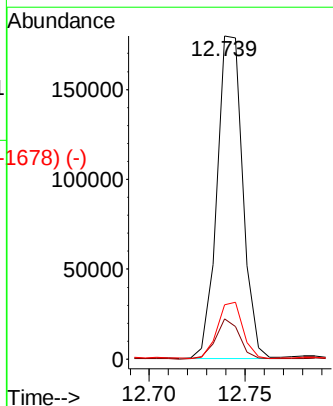
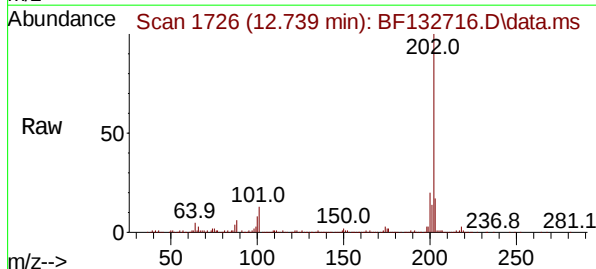


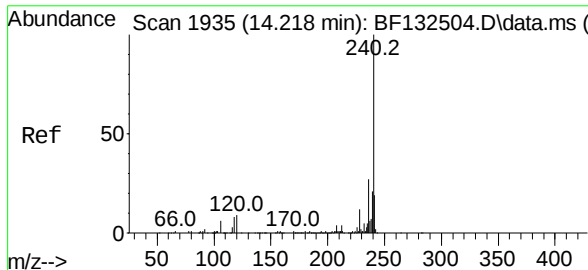
Tgt Ion:	178	Resp:	128649
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.5	24.7
179	13.8	13.0	19.6



Scan 1690 (12.777 min): BF132504.D\data.ms (-1685) (-)
 Fluoranthene
 Concen: 5.543 ng
 RT: 12.739 min Scan# 1726
 Delta R.T. -0.018 min
 Lab File: BF132716.D
 Acq: 09 Mar 2023 14:03

Tgt Ion:	202	Resp:	167221
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	31.4
203	16.9	0.0	38.0

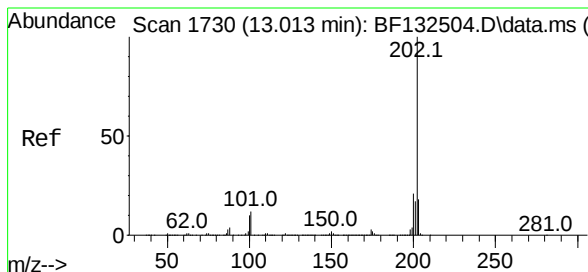
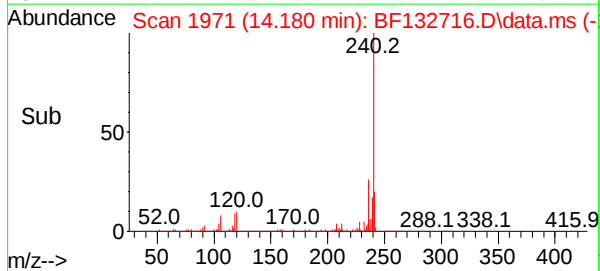
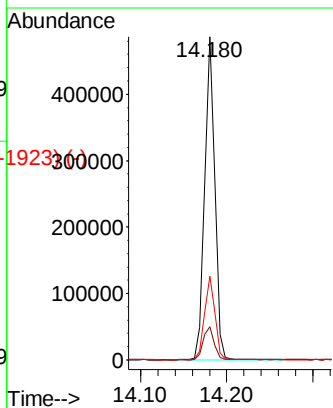
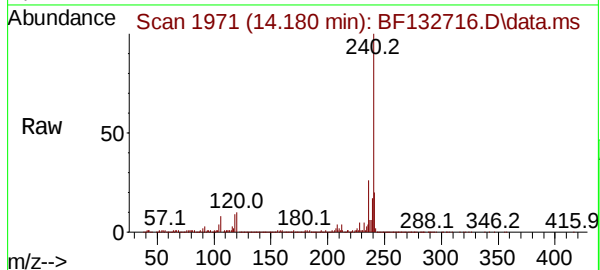




Chrysene-d12
 Concen: 20.000 ng
 RT: 14.180 min Scan# 1928
 Delta R.T. -0.018 min
 Lab File: BF132716.D
 Acq: 09 Mar 2023 14:03

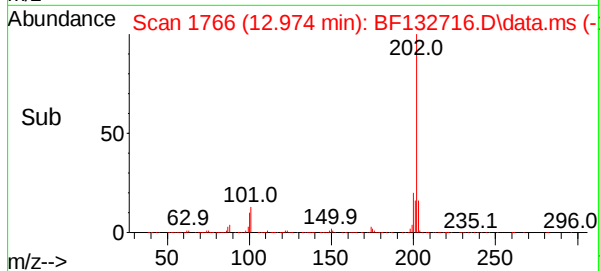
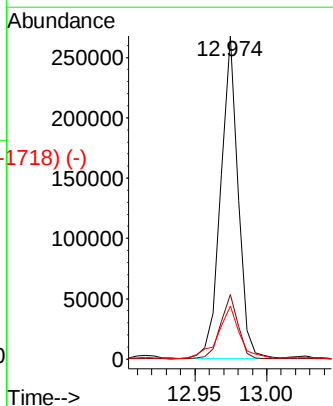
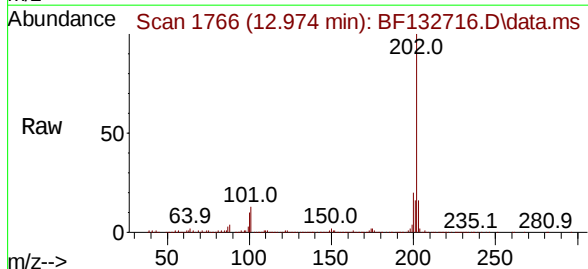
Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:	240	Resp:	394967
Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.2	10.8
236	25.9	21.8	32.6

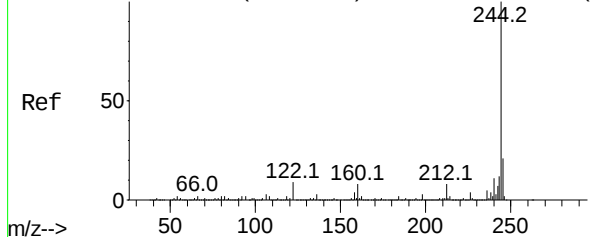


Pyrene
 Concen: 6.199 ng
 RT: 12.974 min Scan# 1766
 Delta R.T. -0.018 min
 Lab File: BF132716.D
 Acq: 09 Mar 2023 14:03

Tgt Ion:	202	Resp:	222617
Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.1	25.7
203	16.3	14.6	21.8



Abundance Scan 1753 (13.148 min): BF132504.D\data.ms (-1749) (-)



Terphenyl-d14

Concen: 53.618 ng

RT: 13.110 min Scan# 1789

Delta R.T. -0.018 min

Lab File: BF132716.D

Acq: 09 Mar 2023 14:03

Instrument :

BNA_F

ClientSampleId :

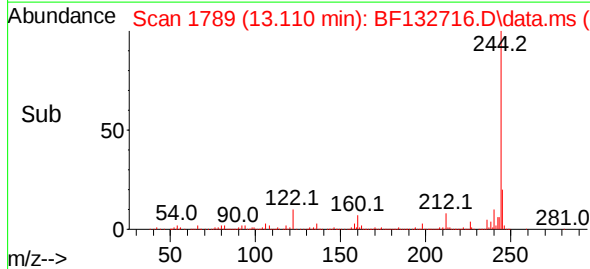
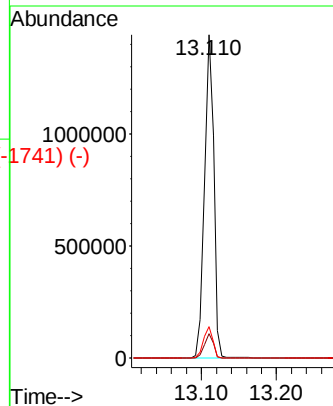
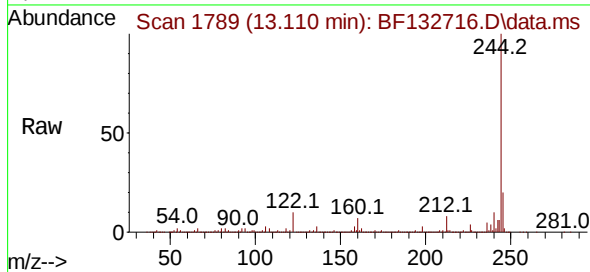
Tgt Ion:244 Resp: 1252543

Ion Ratio Lower Upper

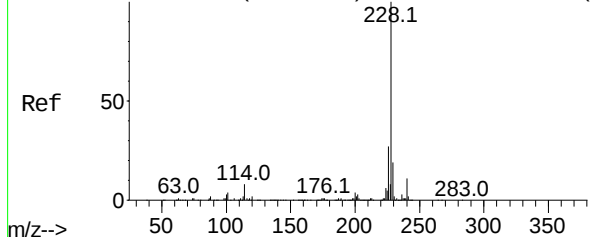
244 100

212 7.6 6.5 9.7

122 9.6 7.5 11.3



Abundance Scan 1933 (14.207 min): BF132504.D\data.ms (-1921) (-)



Benzo(a)anthracene

Concen: 3.960 ng

RT: 14.168 min Scan# 1969

Delta R.T. -0.018 min

Lab File: BF132716.D

Acq: 09 Mar 2023 14:03

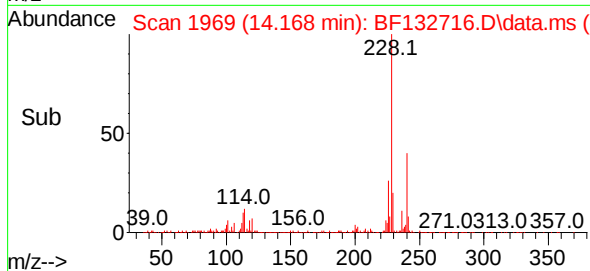
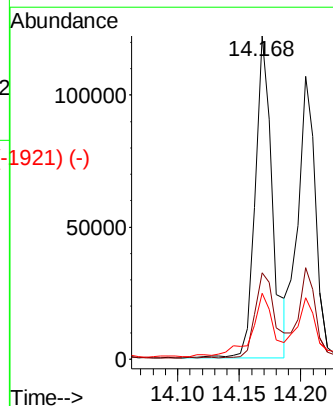
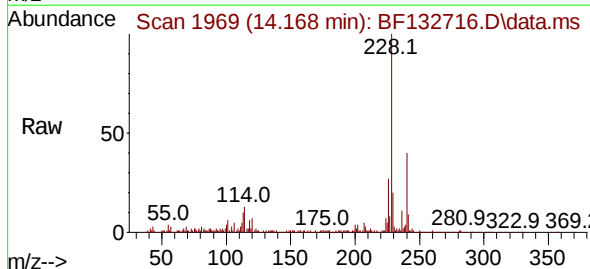
Tgt Ion:228 Resp: 117028

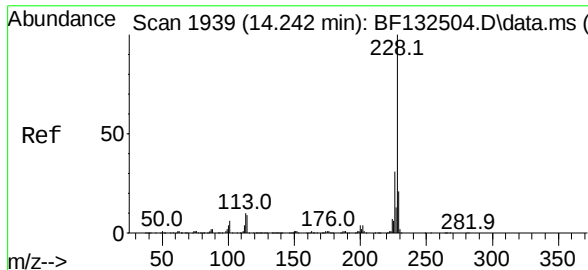
Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

229 20.3 15.4 23.2

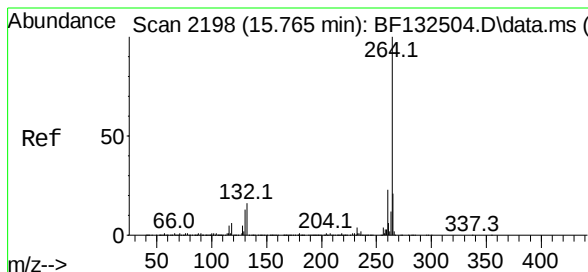
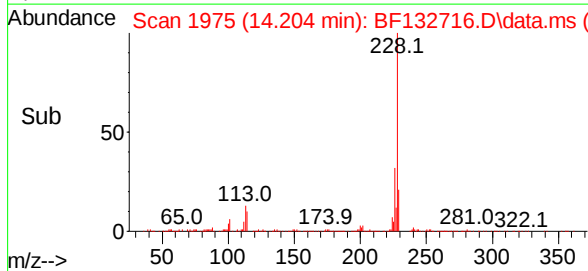
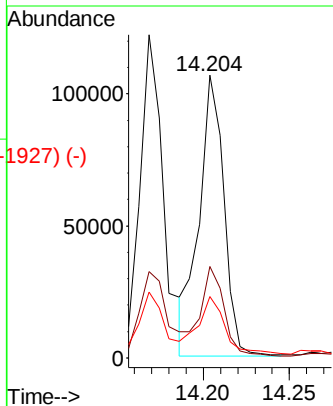
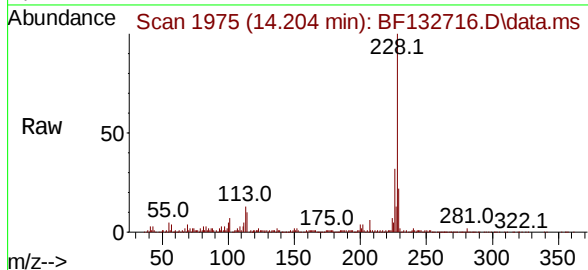




Chrysene
Concen: 3.836 ng
RT: 14.204 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

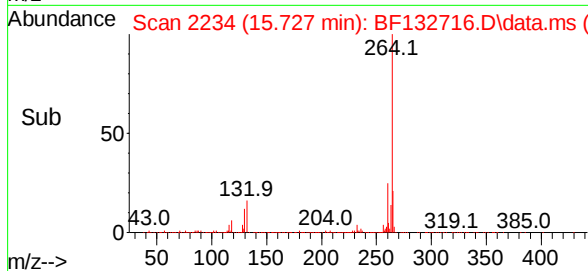
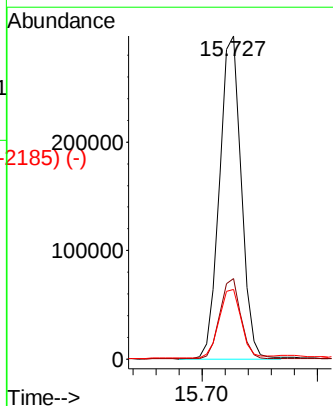
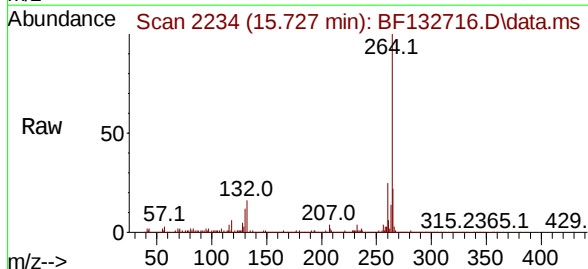
Instrument :
BNA_F
ClientSampleId :

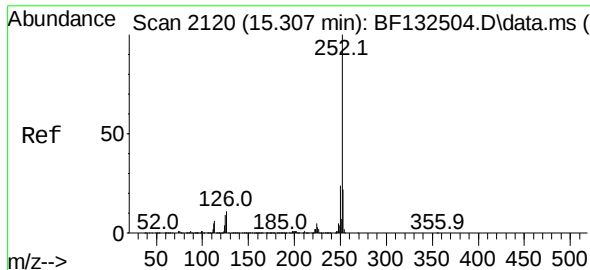
Tgt Ion:	228	Resp:	106005
Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.0	37.6
229	21.8	16.4	24.6



Perylene-d12
Concen: 20.000 ng
RT: 15.727 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Tgt Ion:	264	Resp:	392776
Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.8	28.2
265	21.5	17.1	25.7

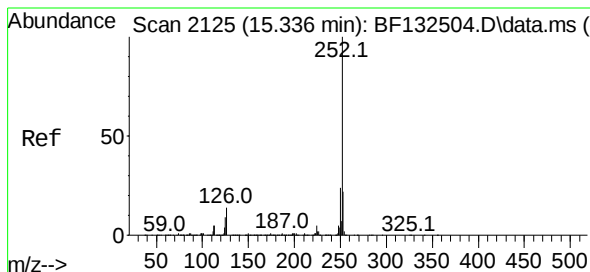
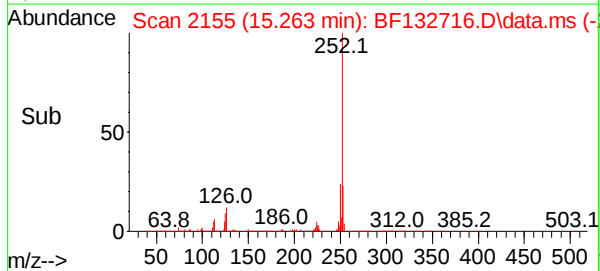
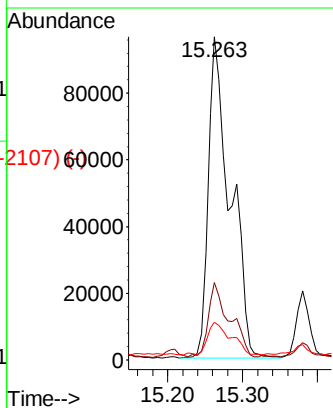
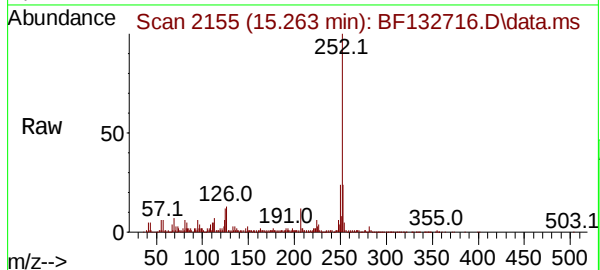




Benzo(b)fluoranthene
 Concen: 7.453 ng
 RT: 15.263 min Scan# 2155
 Delta R.T. -0.018 min
 Lab File: BF132716.D
 Acq: 09 Mar 2023 14:03

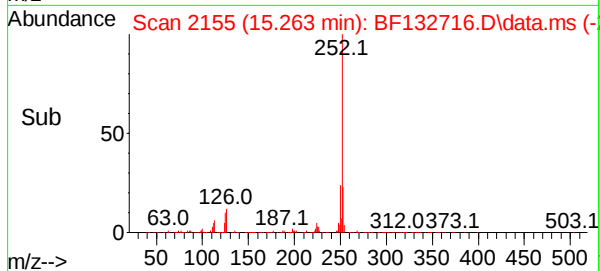
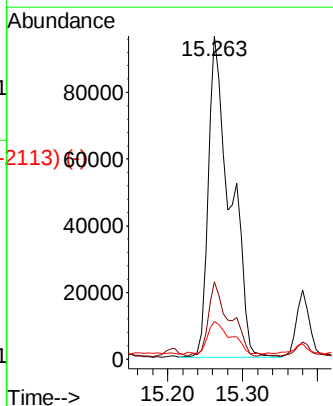
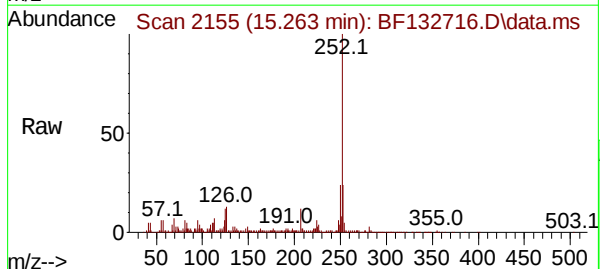
Instrument :
 BNA_F
 ClientSampleId :

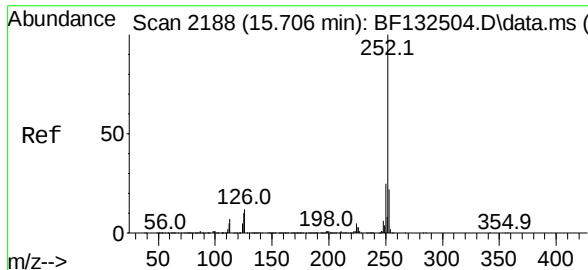
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	11.6	7.0	10.6#



Benzo(k)fluoranthene
 Concen: 7.615 ng
 RT: 15.263 min Scan# 2155
 Delta R.T. -0.053 min
 Lab File: BF132716.D
 Acq: 09 Mar 2023 14:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	11.6	7.2	10.8#

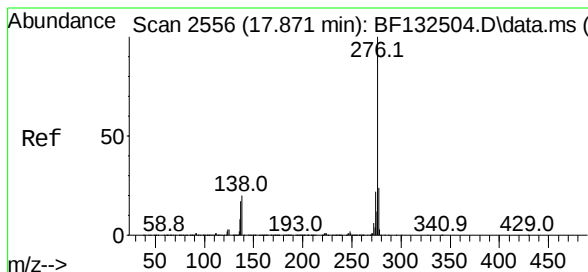
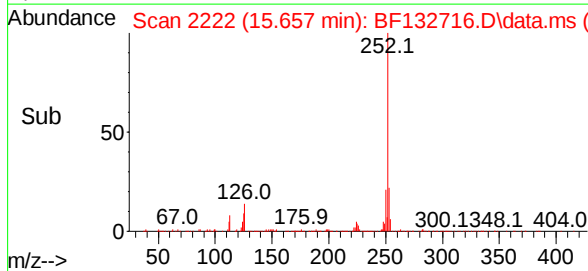
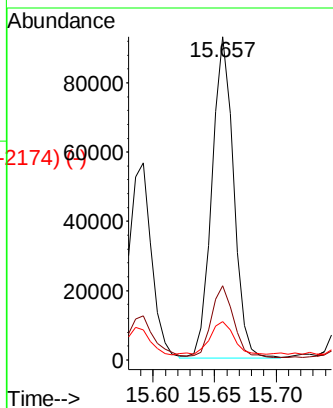
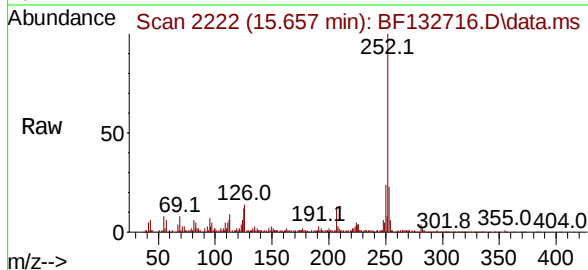




Benzo(a)pyrene
Concen: 4.605 ng
RT: 15.657 min Scan# 2188
Delta R.T. -0.018 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:	252	Resp:	113456
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	11.8	8.0	12.0



Benzo(g,h,i)perylene
Concen: 3.462 ng
RT: 17.792 min Scan# 2585
Delta R.T. -0.041 min
Lab File: BF132716.D
Acq: 09 Mar 2023 14:03

Tgt Ion:	276	Resp:	45317
Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.9	28.3
138	23.0	16.2	24.4

