

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110821\
 Data File : BF126065.D
 Acq On : 8 Nov 2021 15:04
 Operator : JU/CG
 Sample : M4472-04RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-KS

Quant Time: Nov 08 16:54:54 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

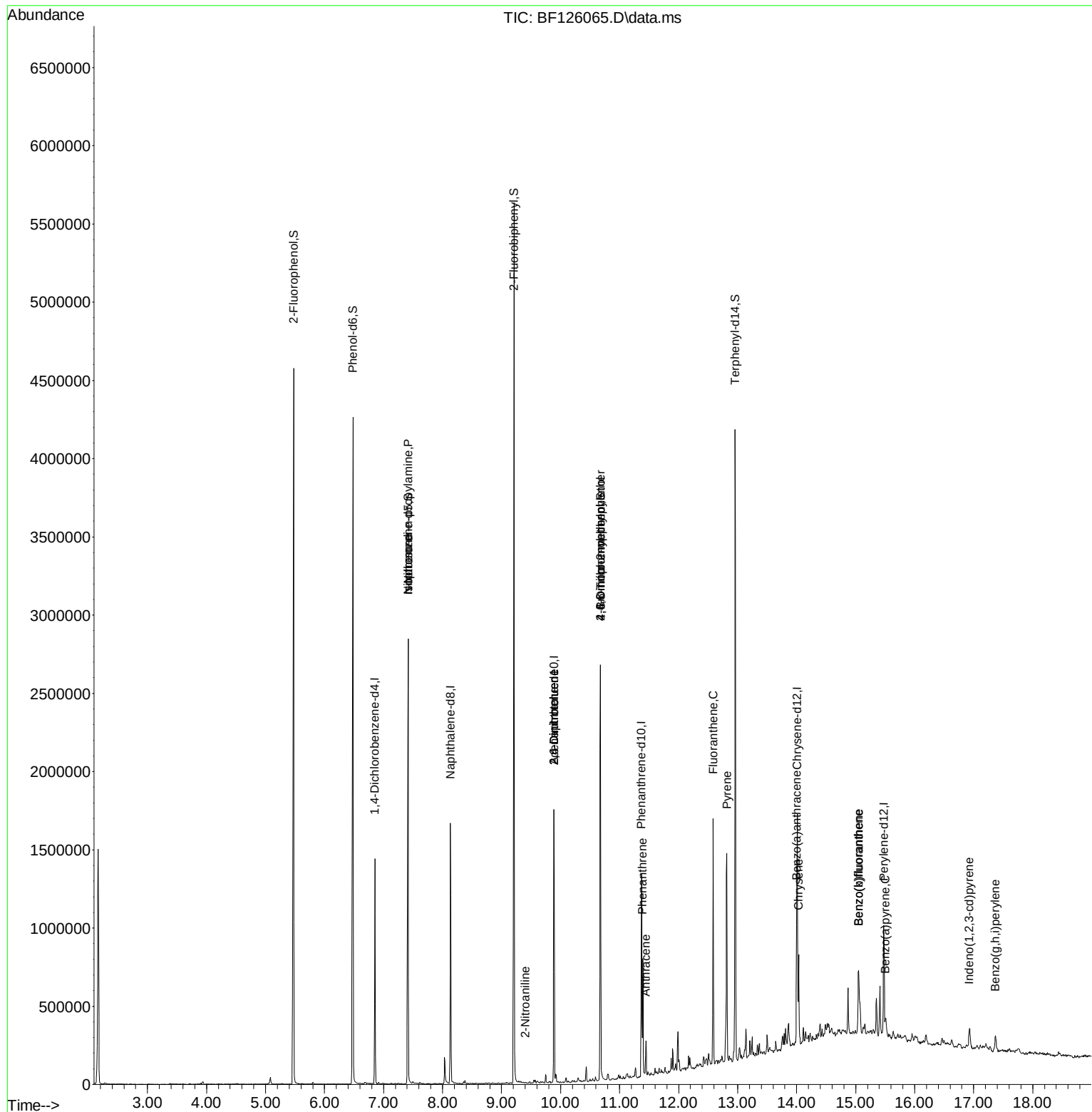
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	180520	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	632937	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	315197	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	481507	20.000	ng	0.00
76) Chrysene-d12	14.010	240	405344	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	316418	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	955062	90.855	ng	0.01
7) Phenol-d6	6.481	99	1208438	81.549	ng	0.00
23) Nitrobenzene-d5	7.416	82	867198	64.615	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	282192	78.123	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1496172	64.146	ng	0.00
79) Terphenyl-d14	12.957	244	1296180	51.565	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.404	77	142	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.416	70	124615	12.756	ng	# 61
25) Isophorone	7.416	82	861820	35.666	ng	# 59
48) 2-Nitroaniline	9.404	65	173	2.875	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	40796	10.372	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	40796	9.890	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.675	198	712	8.571	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	19719	3.381	ng	# 1
71) Phenanthrene	11.392	178	257664	9.868	ng	99
72) Anthracene	11.445	178	72631	2.786	ng	97
75) Fluoranthene	12.586	202	575602	19.795	ng	95
78) Pyrene	12.816	202	547407	16.840	ng	97
81) Benzo(a)anthracene	13.998	228	250960	9.012	ng	96
83) Chrysene	14.033	228	218100	8.417	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	82716	4.417	ng	# 83
88) Benzo(b)fluoranthene	15.051	252	310589	15.091	ng	# 92
89) Benzo(k)fluoranthene	15.051	252	310589	15.557	ng	96
90) Benzo(a)pyrene	15.504	252	41874	2.582	ng	96
92) Benzo(g,h,i)perylene	17.368	276	78737	5.337	ng	# 85

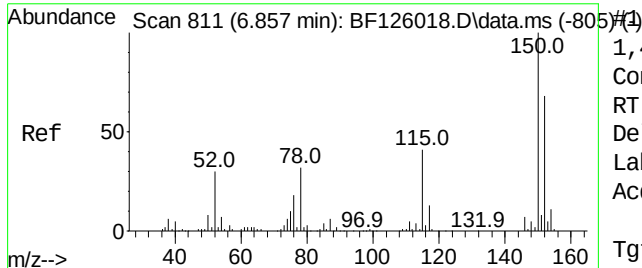
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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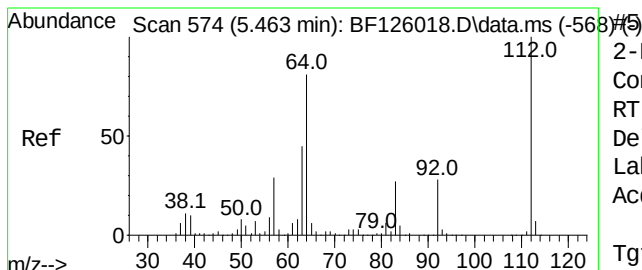
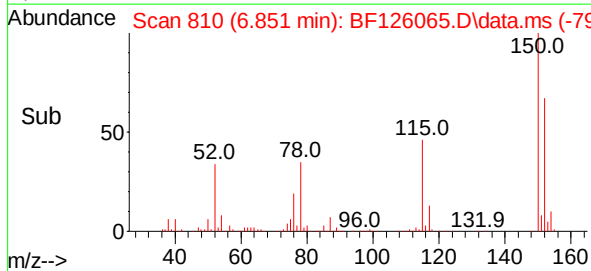
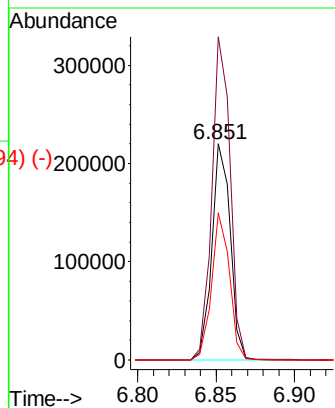
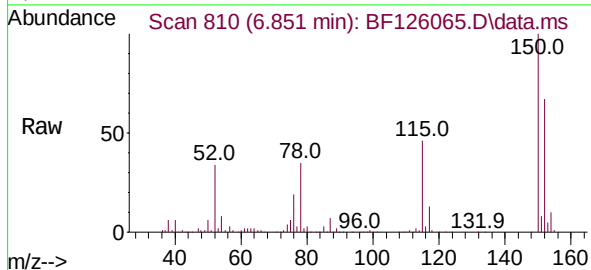




1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 811
 Delta R.T. -0.006 min
 Lab File: BF126065.D
 Acq: 8 Nov 2021 15:04

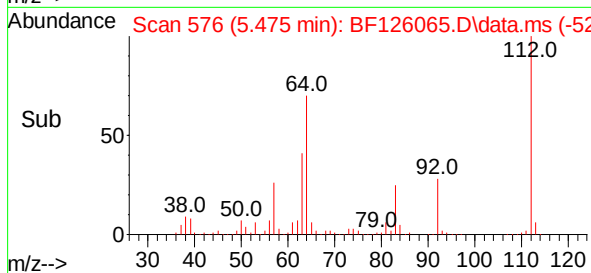
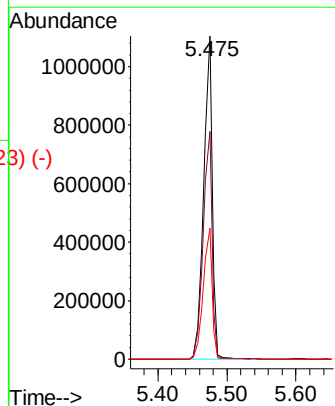
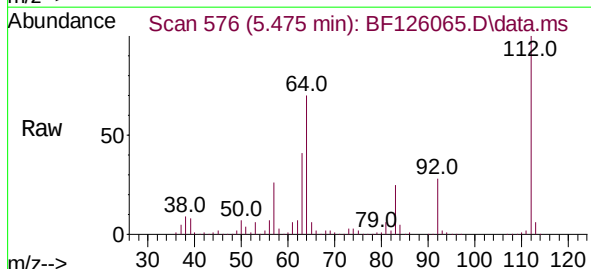
Instrument :
 BNA_F
 ClientSampleId :
 WC-2-KS

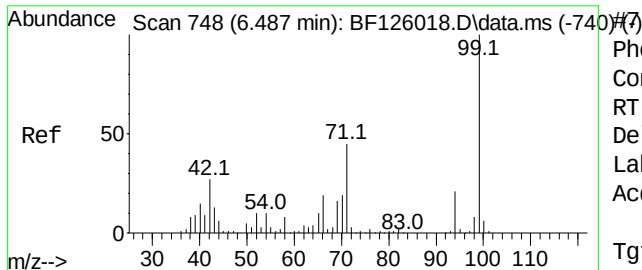
Tgt Ion:152 Resp: 180520
 Ion Ratio Lower Upper
 152 100
 150 149.3 117.6 176.4
 115 68.0 47.1 70.7



2-Fluorophenol
 Concen: 90.855 ng
 RT: 5.475 min Scan# 576
 Delta R.T. 0.012 min
 Lab File: BF126065.D
 Acq: 8 Nov 2021 15:04

Tgt Ion:112 Resp: 955062
 Ion Ratio Lower Upper
 112 100
 64 70.5 44.2 66.2#
 63 40.6 26.2 39.2#





Phenol-d6

Concen: 81.549 ng

RT: 6.481 min Scan#

Delta R.T. -0.006 min

Lab File: BF126065.D

Acq: 8 Nov 2021 15:04

Instrument :

BNA_F

ClientSampleId :

WC-2-KS

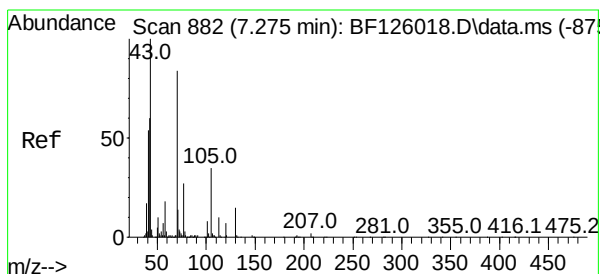
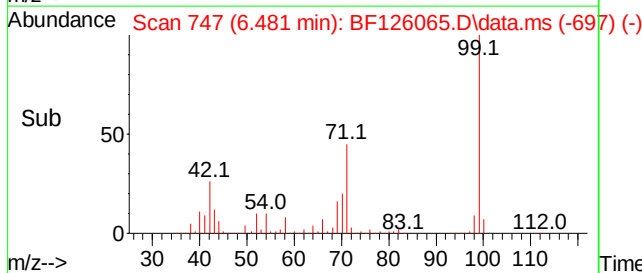
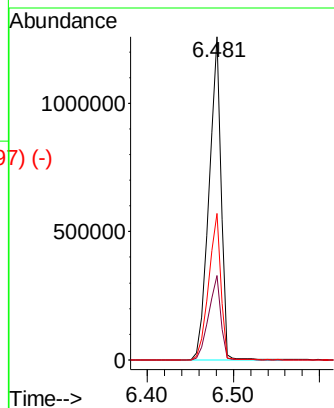
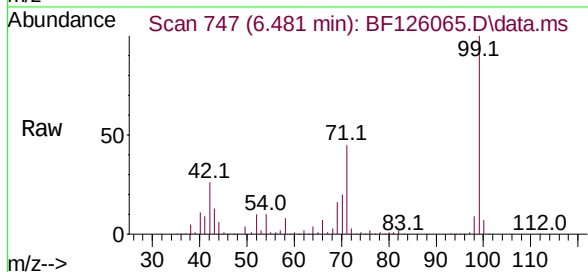
Tgt Ion: 99 Resp: 1208438

Ion Ratio Lower Upper

99 100

42 26.2 23.5 35.3

71 45.3 25.6 38.4#



n-Nitroso-di-n-propylamine

Concen: 12.756 ng

RT: 7.416 min Scan# 906

Delta R.T. 0.141 min

Lab File: BF126065.D

Acq: 8 Nov 2021 15:04

Tgt Ion: 70 Resp: 124615

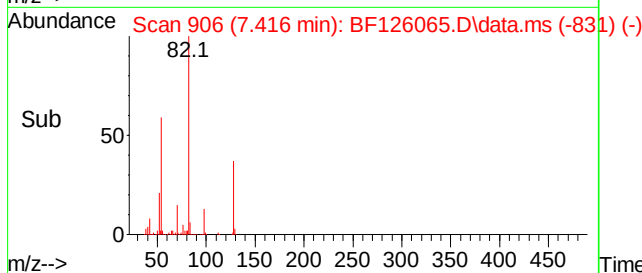
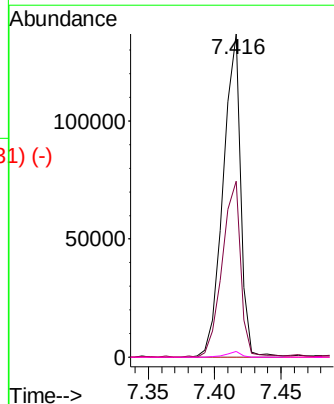
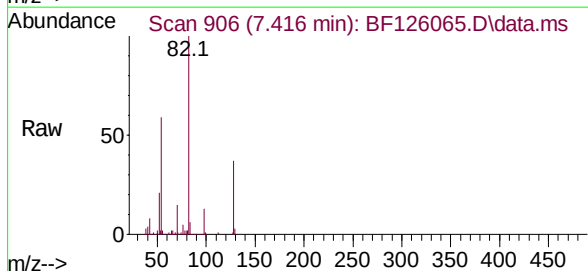
Ion Ratio Lower Upper

70 100

42 54.5 72.2 108.2#

101 0.0 7.8 11.8#

130 1.7 21.8 32.6#



Abundance Scan 1029 (8.139 min): BF126018.D\data.ms (-1029)

Naphthalene-d8

Concen: 20.000 ng

RT: 8.134 min Scan# 1029

Delta R.T. -0.005 min

Lab File: BF126065.D

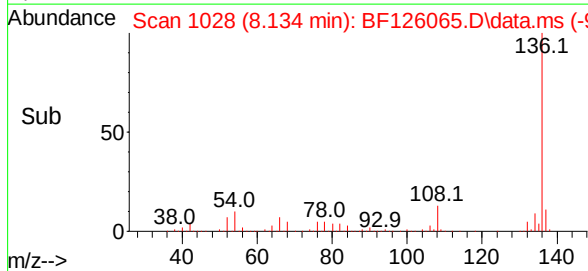
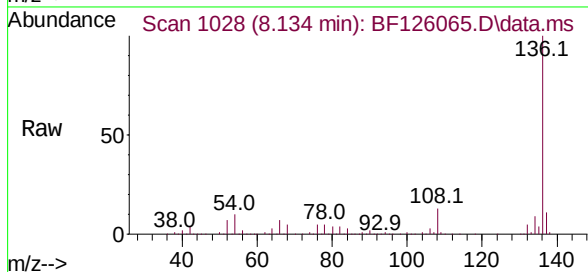
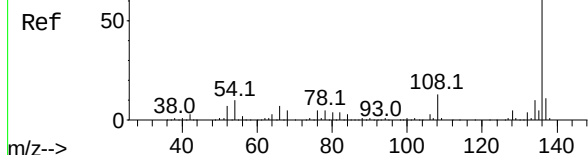
Acq: 8 Nov 2021 15:04

Instrument :

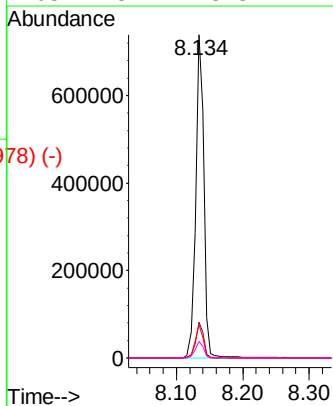
BNA_F

ClientSampleId :

WC-2-KS



Tgt Ion:	136	Resp:	632937
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	10.3	6.4	9.6#
68	5.1	3.3	4.9#



Abundance Scan 907 (7.422 min): BF126018.D\data.ms (-907)

Nitrobenzene-d5

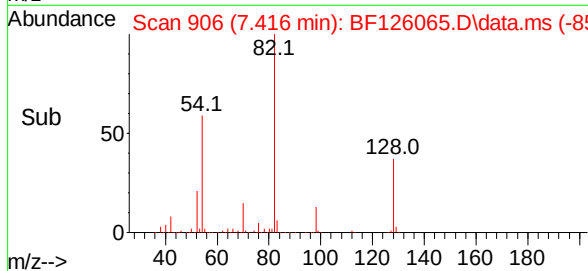
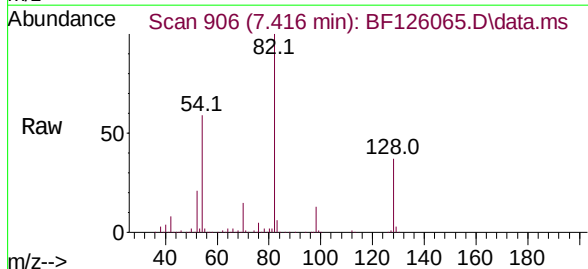
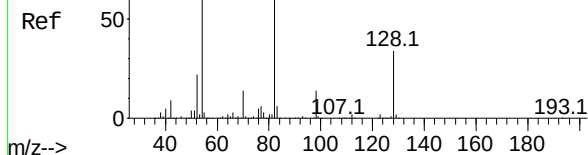
Concen: 64.615 ng

RT: 7.416 min Scan# 906

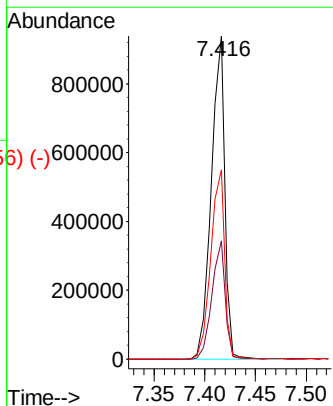
Delta R.T. -0.006 min

Lab File: BF126065.D

Acq: 8 Nov 2021 15:04



Tgt Ion:	82	Resp:	867198
Ion	Ratio	Lower	Upper
82	100		
128	36.7	40.6	60.8#
54	58.6	49.6	74.4



Abundance Scan 951 (7.681 min): BF126018.D\data.ms (-944) #25

Isophorone

Concen: 35.666 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.265 min

Lab File: BF126065.D

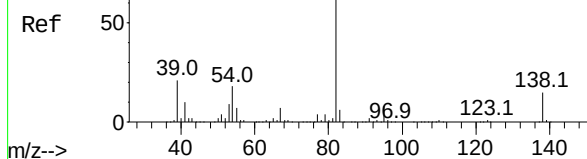
Acq: 8 Nov 2021 15:04

Instrument :

BNA_F

ClientSampleId :

WC-2-KS



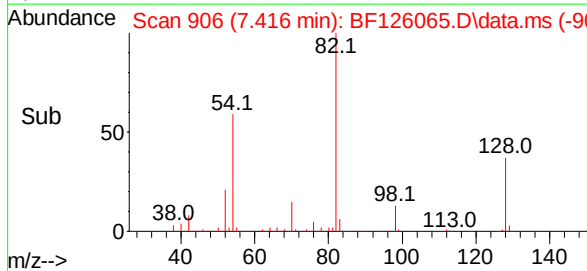
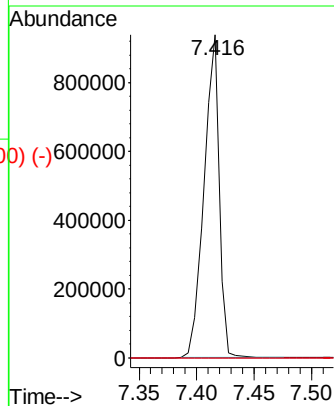
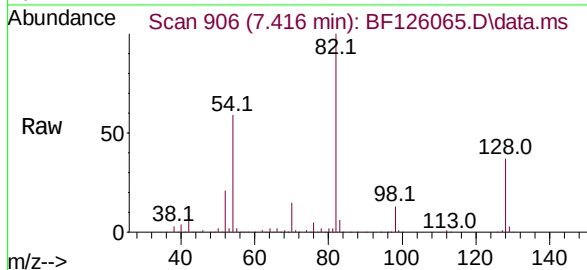
Tgt Ion: 82 Resp: 861820

Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#



Abundance Scan 1327 (9.892 min): BF126018.D\data.ms (-1327) #39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF126065.D

Acq: 8 Nov 2021 15:04

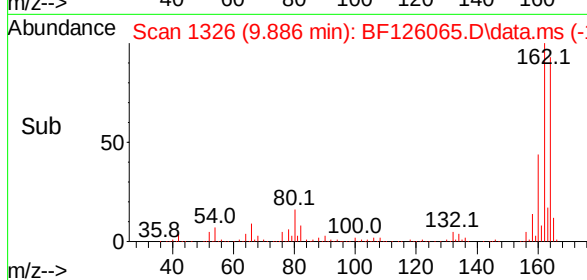
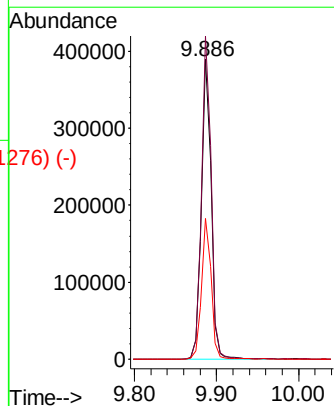
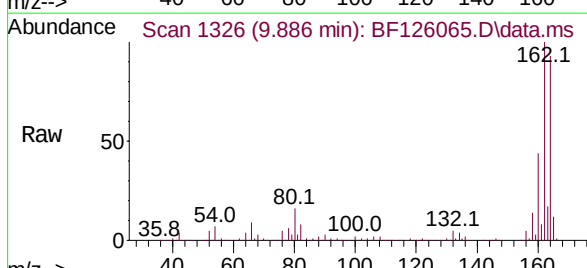
Tgt Ion:164 Resp: 315197

Ion Ratio Lower Upper

164 100

162 107.6 81.3 121.9

160 46.9 38.0 57.0



Abundance Scan 1461 (10.680 min): BF126018.D\data.ms (-1410) (-)

2,4,6-Tribromophenol

Concen: 78.123 ng

RT: 10.675 min Scan#

Delta R.T. -0.006 min

Lab File: BF126065.D

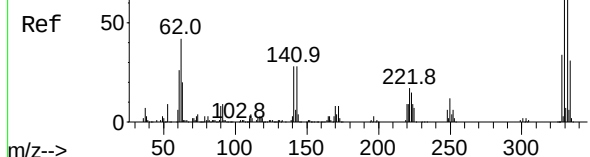
Acq: 8 Nov 2021 15:04

Instrument :

BNA_F

ClientSampleId :

WC-2-KS



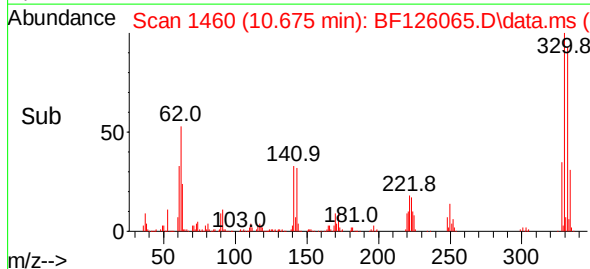
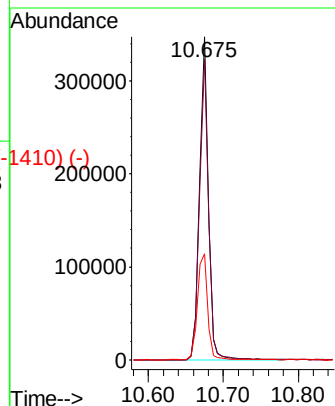
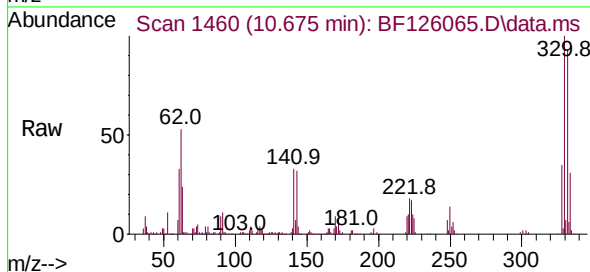
Tgt Ion:330 Resp: 282192

Ion Ratio Lower Upper

330 100

332 94.7 76.2 114.4

141 38.1 44.6 66.8#



Abundance Scan 1212 (9.216 min): BF126018.D\data.ms (-1204) (-)

2-Fluorobiphenyl

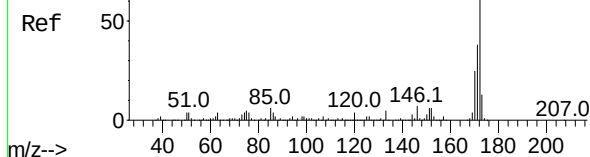
Concen: 64.146 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF126065.D

Acq: 8 Nov 2021 15:04



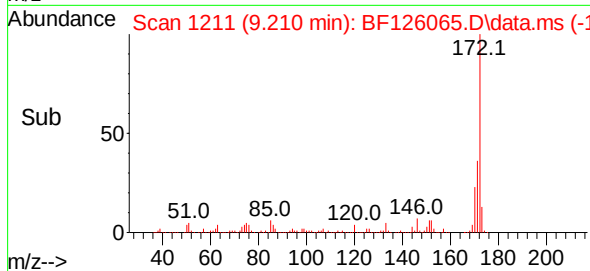
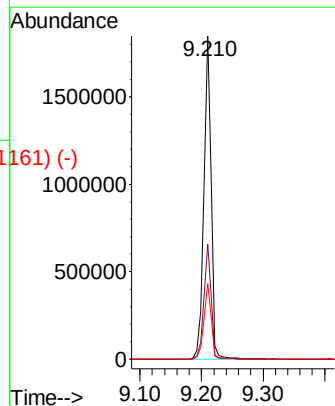
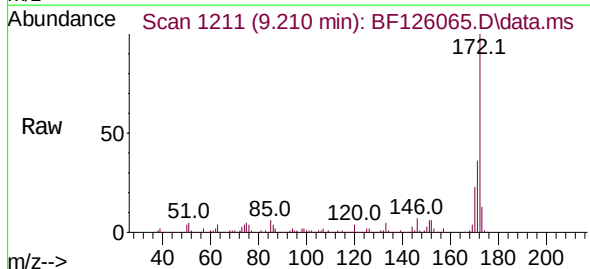
Tgt Ion:172 Resp: 1496172

Ion Ratio Lower Upper

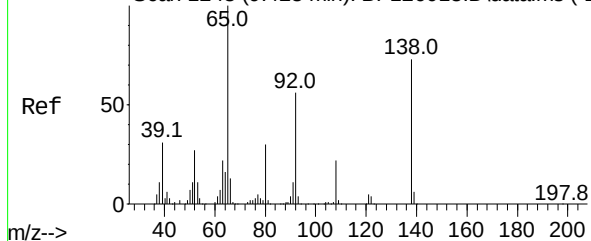
172 100

171 35.7 26.5 39.7

170 23.4 18.8 28.2



Abundance Scan 1248 (9.428 min): BF126018.D\data.ms (-1248)



2-Nitroaniline

Concen: 2.875 ng

RT: 9.404 min Scan#

Delta R.T. -0.024 min

Lab File: BF126065.D

Acq: 8 Nov 2021 15:04

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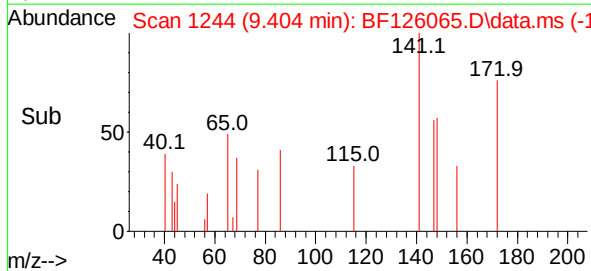
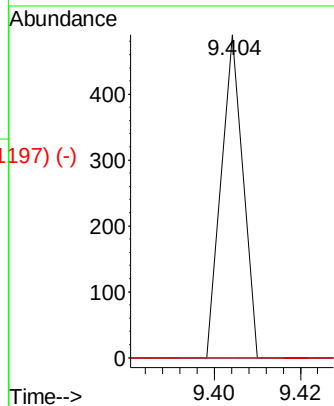
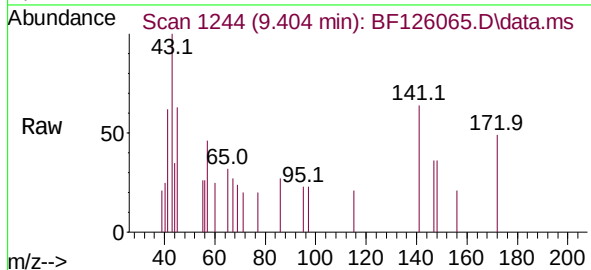
Tgt Ion: 65 Resp: 173

Ion Ratio Lower Upper

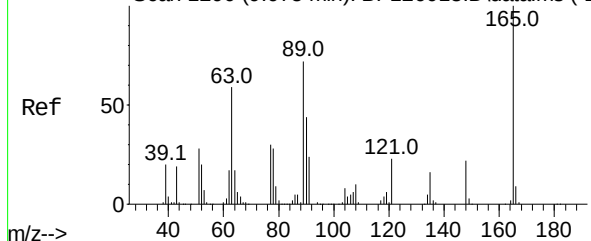
65 100

92 0.0 55.5 83.3#

138 0.0 93.5 140.3#



Abundance Scan 1290 (9.675 min): BF126018.D\data.ms (-1290)



2,6-Dinitrotoluene

Concen: 10.372 ng

RT: 9.886 min Scan# 1326

Delta R.T. 0.211 min

Lab File: BF126065.D

Acq: 8 Nov 2021 15:04

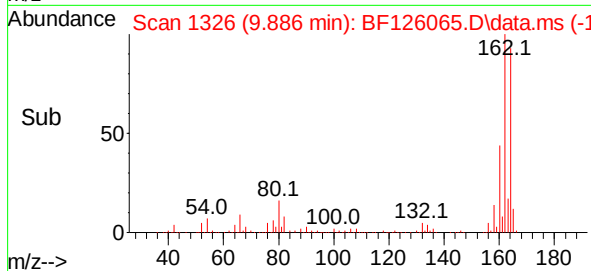
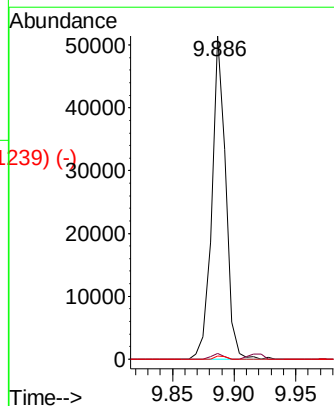
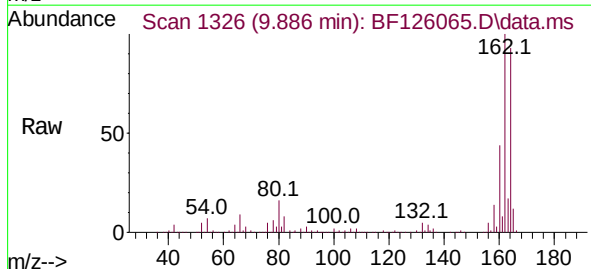
Tgt Ion: 165 Resp: 40796

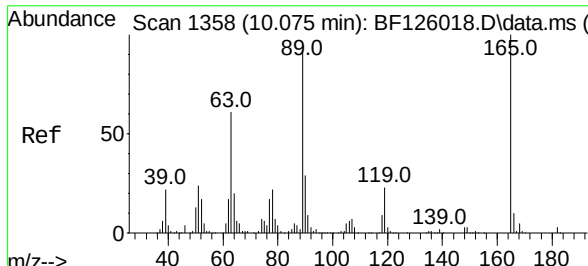
Ion Ratio Lower Upper

165 100

63 1.7 42.6 63.8#

89 0.9 40.6 60.8#

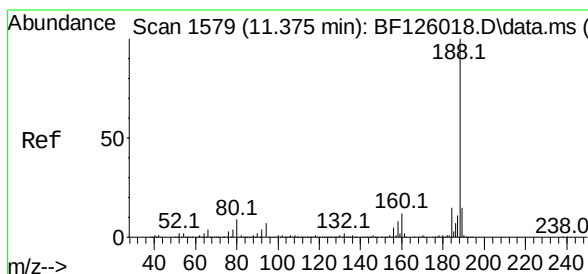
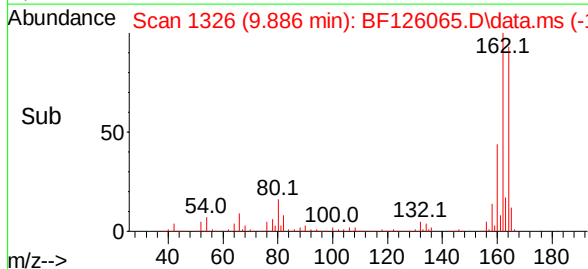
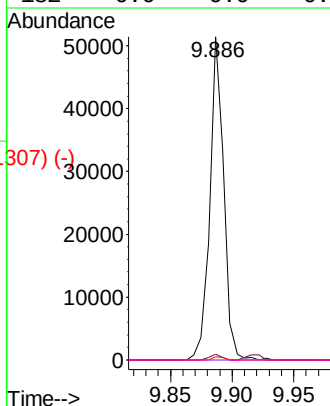
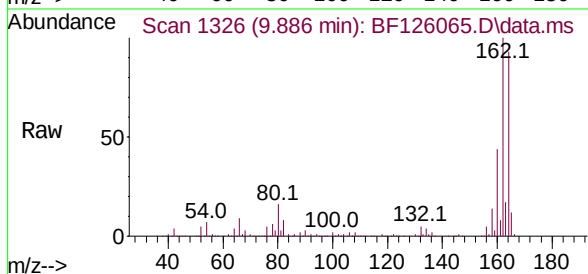




2,4-Dinitrotoluene
 Concen: 9.890 ng
 RT: 9.886 min Scan# 1357
 Delta R.T. -0.189 min
 Lab File: BF126065.D
 Acq: 8 Nov 2021 15:04

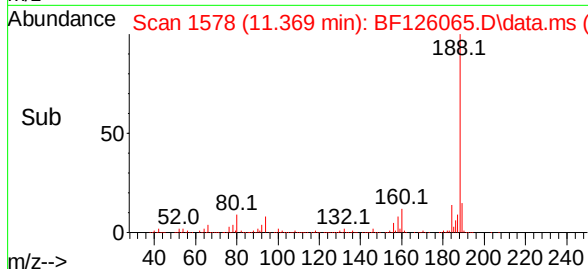
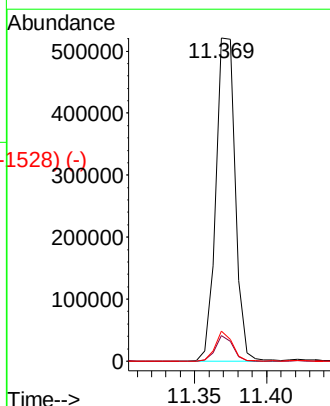
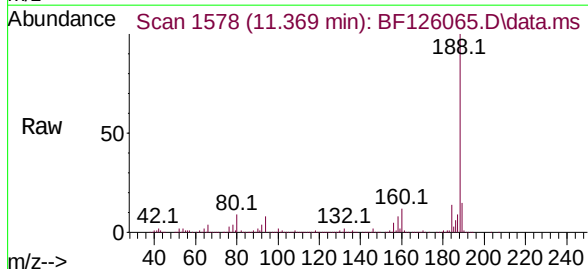
Instrument :
 BNA_F
 ClientSampleId :
 WC-2-KS

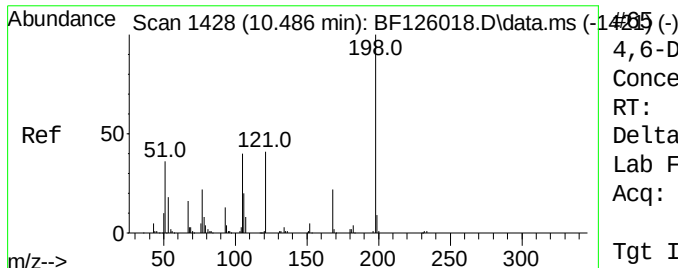
Tgt Ion:	165	Resp:	40796
Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.9	61.3#
89	0.9	59.7	89.5#
182	0.0	0.0	0.0



Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.369 min Scan# 1578
 Delta R.T. -0.006 min
 Lab File: BF126065.D
 Acq: 8 Nov 2021 15:04

Tgt Ion:	188	Resp:	481507
Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.7	10.1
80	9.4	7.5	11.3

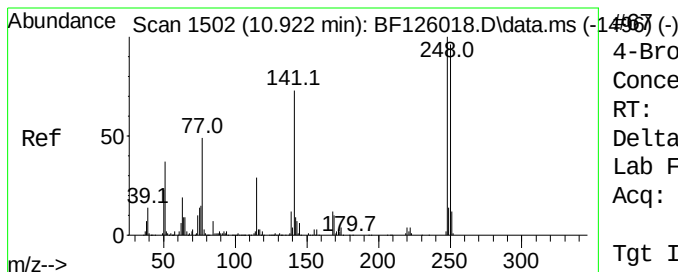
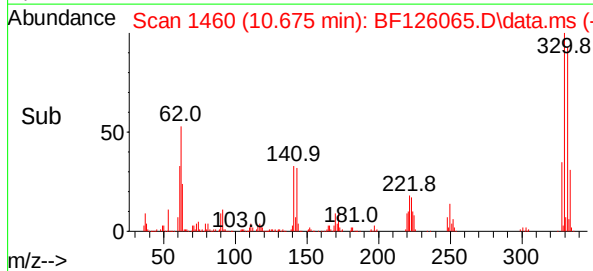
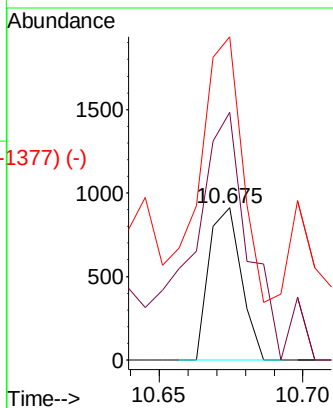
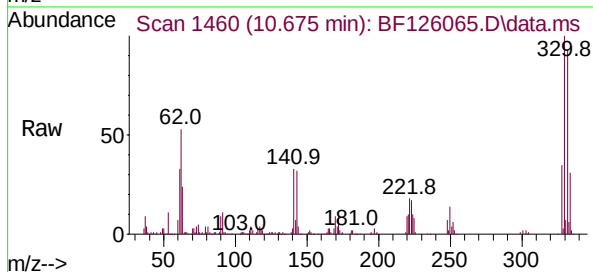




4,6-Dinitro-2-methylphenol
 Concen: 8.571 ng
 RT: 10.675 min Scan# 1425
 Delta R.T. 0.189 min
 Lab File: BF126065.D
 Acq: 8 Nov 2021 15:04

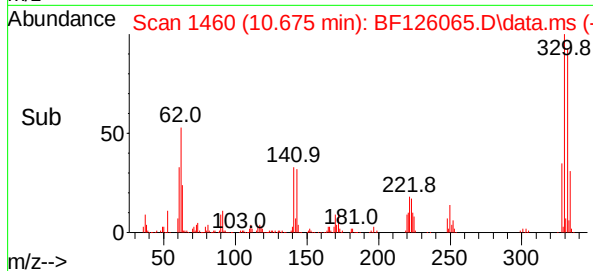
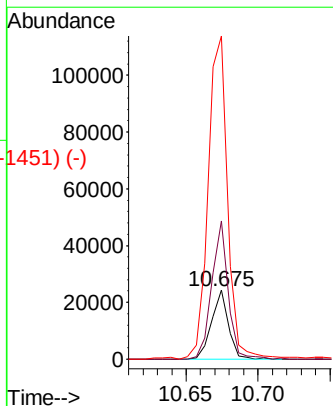
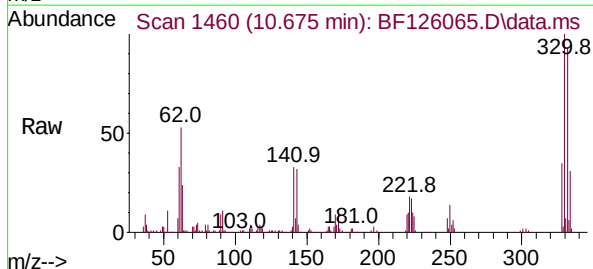
Instrument :
 BNA_F
 ClientSampleId :
 WC-2-KS

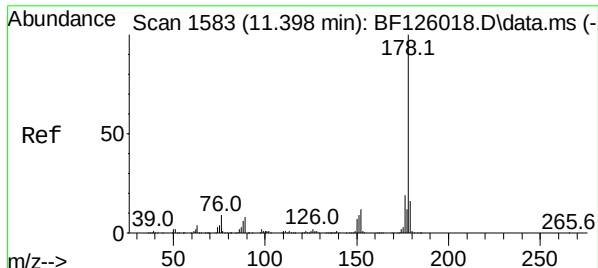
Tgt Ion:	198	Resp:	712
Ion	Ratio	Lower	Upper
198	100		
51	162.8	45.3	85.3#
105	212.3	30.6	70.6#



4-Bromophenyl-phenylether
 Concen: 3.381 ng
 RT: 10.675 min Scan# 1460
 Delta R.T. -0.247 min
 Lab File: BF126065.D
 Acq: 8 Nov 2021 15:04

Tgt Ion:	248	Resp:	19719
Ion	Ratio	Lower	Upper
248	100		
250	200.8	74.2	111.4#
141	469.9	60.4	90.6#

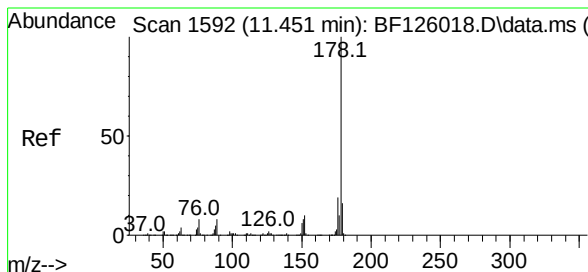
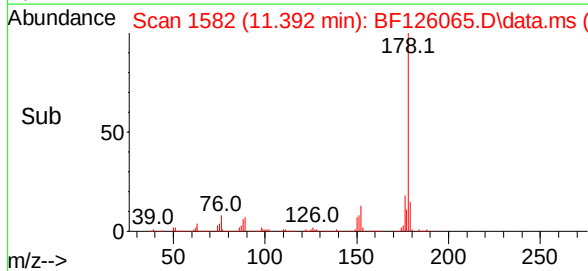
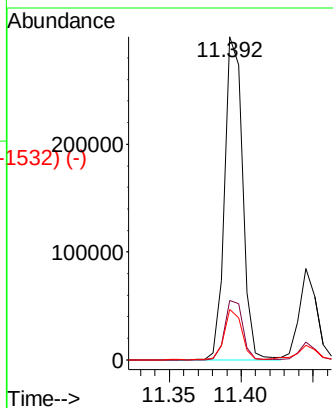
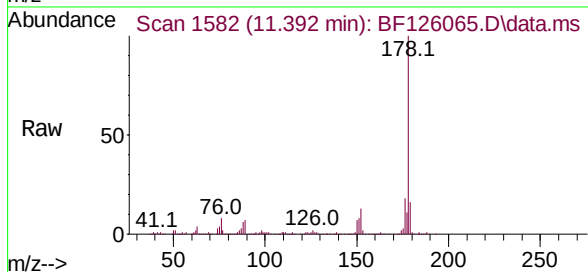




Phenanthrene
Concen: 9.868 ng
RT: 11.392 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

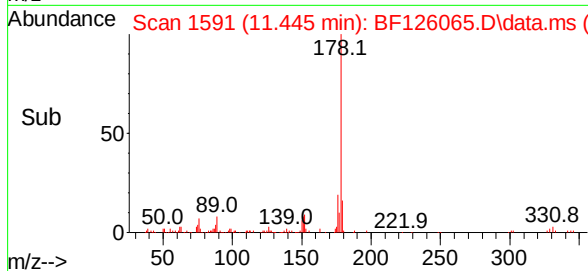
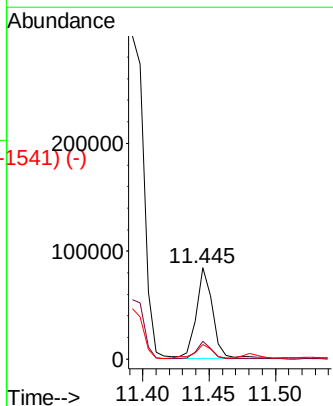
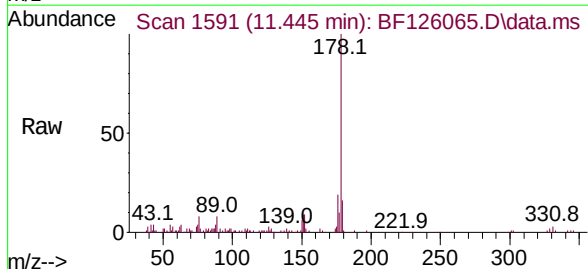
Instrument :
BNA_F
ClientSampleId :
WC-2-KS

Tgt Ion:	178	Resp:	257664
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.6	11.5	17.3



Anthracene
Concen: 2.786 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

Tgt Ion:	178	Resp:	72631
Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.3	21.5
179	16.1	12.2	18.4



Abundance Scan 1785 (12.586 min): BF126018.D\data.ms (-1774) (-)

Fluoranthene

Concen: 19.795 ng

RT: 12.586 min Scan# 1785

Delta R.T. 0.000 min

Lab File: BF126065.D

Acq: 8 Nov 2021 15:04

Instrument :

BNA_F

ClientSampleId :

WC-2-KS

Tgt Ion:202 Resp: 575602

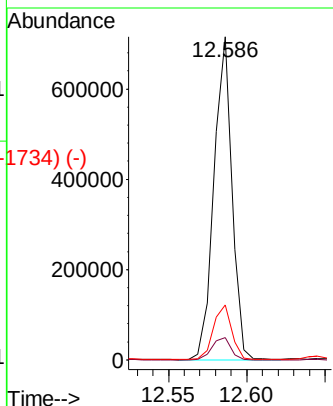
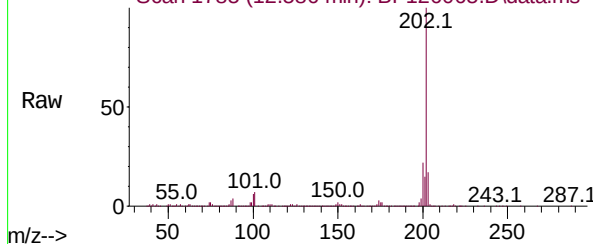
Ion Ratio Lower Upper

202 100

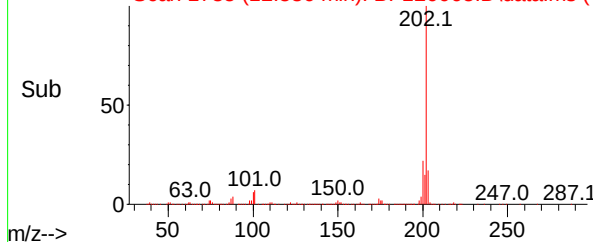
101 6.8 0.0 30.7

203 17.0 0.0 36.3

Abundance Scan 1785 (12.586 min): BF126065.D\data.ms



Abundance Scan 1785 (12.586 min): BF126065.D\data.ms (-1734) (-)



Abundance Scan 2027 (14.010 min): BF126018.D\data.ms (-2076) (-)

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF126065.D

Acq: 8 Nov 2021 15:04

Tgt Ion:240 Resp: 405344

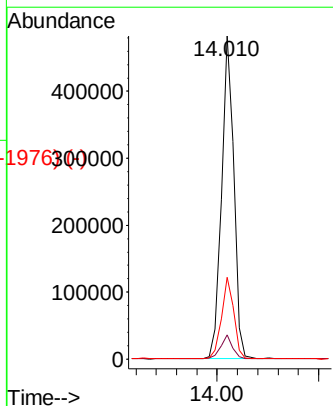
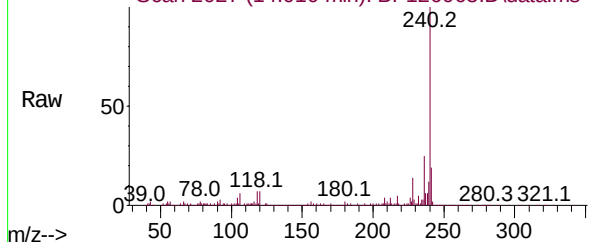
Ion Ratio Lower Upper

240 100

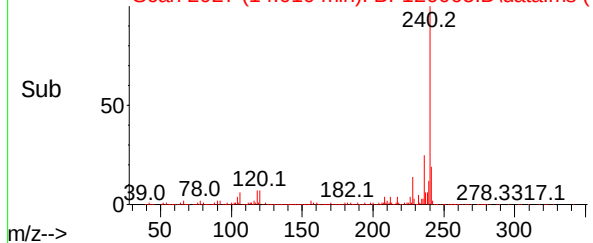
120 7.4 10.8 16.2#

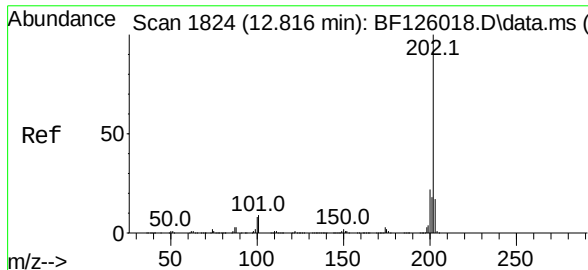
236 25.4 21.6 32.4

Abundance Scan 2027 (14.010 min): BF126065.D\data.ms



Abundance Scan 2027 (14.010 min): BF126065.D\data.ms (-197630) (-)





Pyrene

Concen: 16.840 ng

RT: 12.816 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF126065.D

Acq: 8 Nov 2021 15:04

Instrument :

BNA_F

ClientSampleId :

WC-2-KS

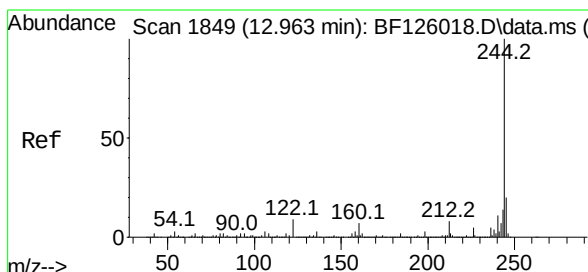
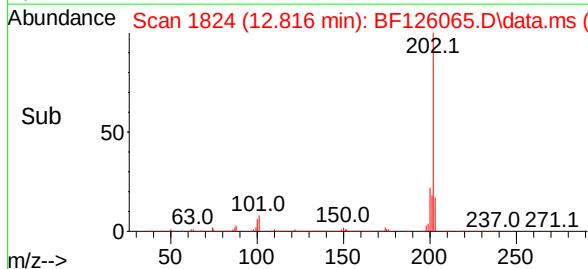
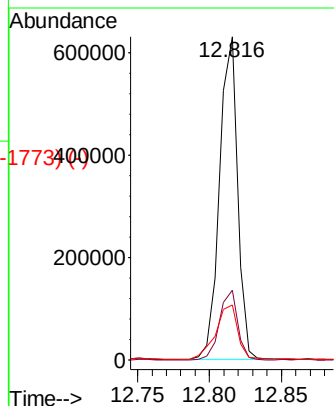
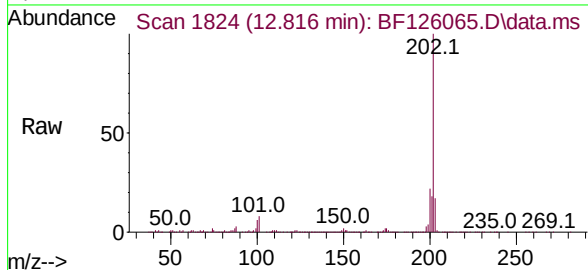
Tgt Ion:202 Resp: 547407

Ion Ratio Lower Upper

202 100

200 21.6 15.3 22.9

203 17.1 13.4 20.0



Terphenyl-d14

Concen: 51.565 ng

RT: 12.957 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF126065.D

Acq: 8 Nov 2021 15:04

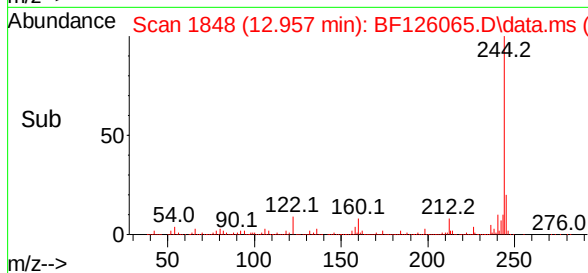
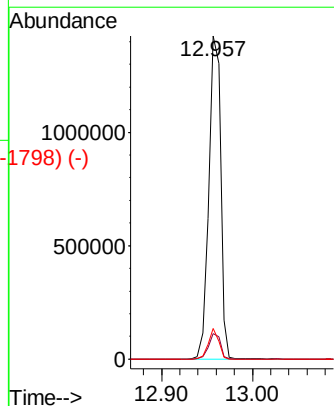
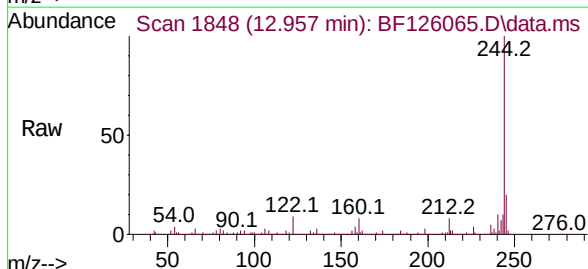
Tgt Ion:244 Resp: 1296180

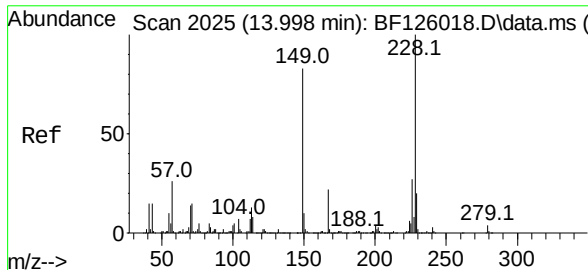
Ion Ratio Lower Upper

244 100

212 8.0 5.9 8.9

122 9.4 9.0 13.4

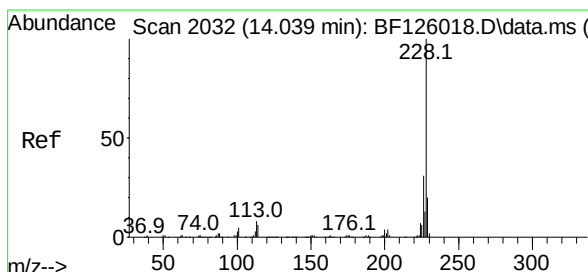
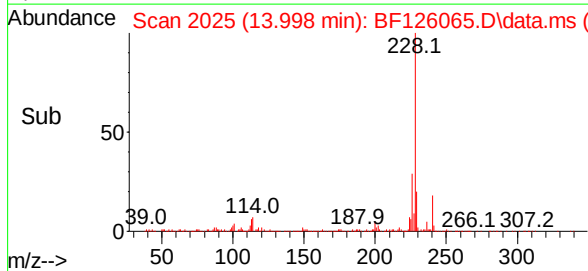
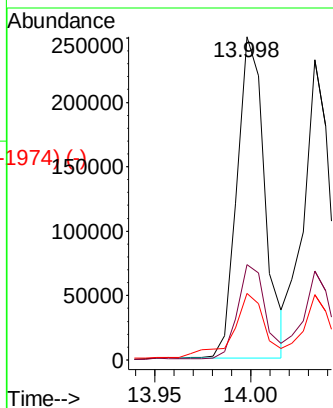
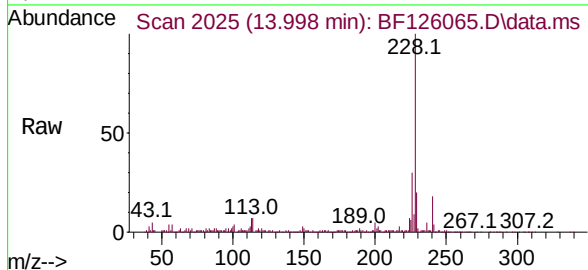




Benzo(a)anthracene
Concen: 9.012 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

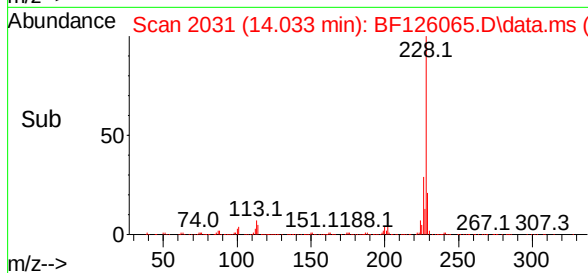
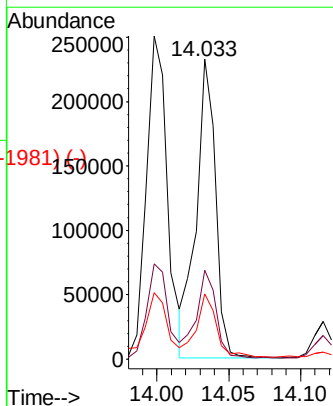
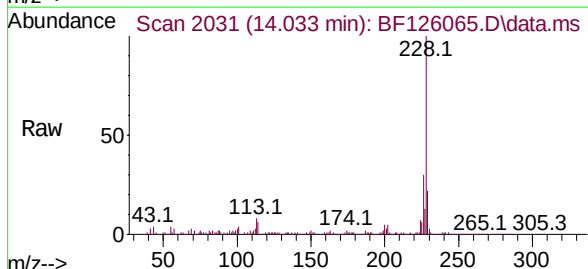
Instrument :
BNA_F
ClientSampleId :
WC-2-KS

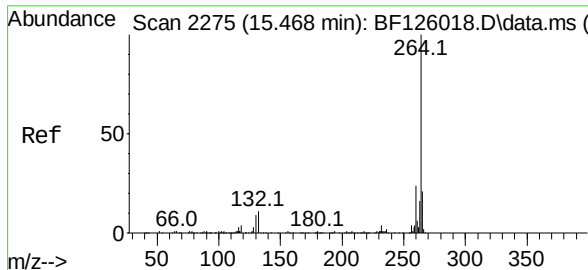
Tgt Ion:	228	Resp:	250960
Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.6	32.4
229	20.5	15.6	23.4



Chrysene
Concen: 8.417 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

Tgt Ion:	228	Resp:	218100
Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	34.0
229	21.7	15.9	23.9

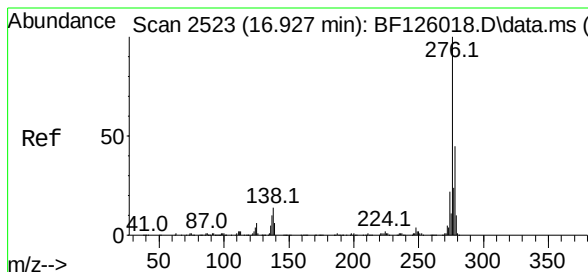
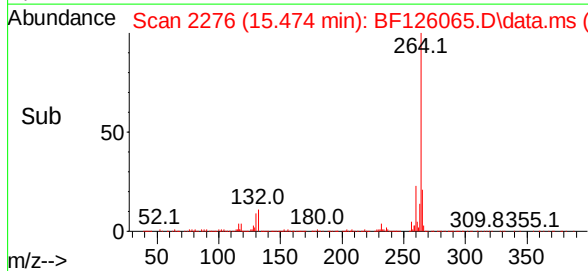
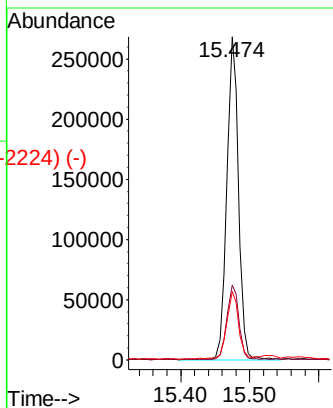
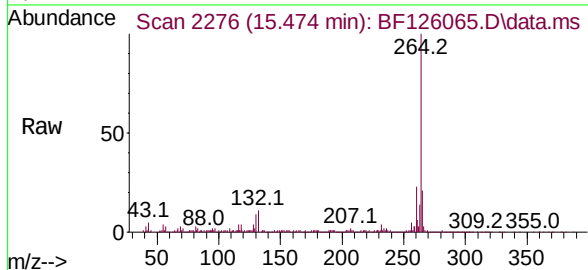




Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2285
 Delta R.T. 0.006 min
 Lab File: BF126065.D
 Acq: 8 Nov 2021 15:04

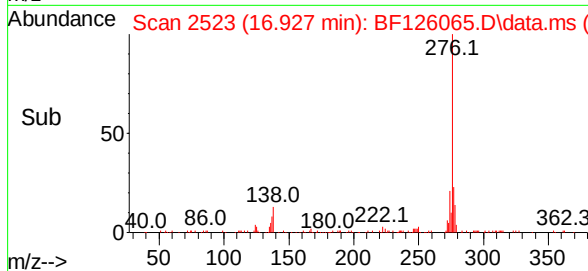
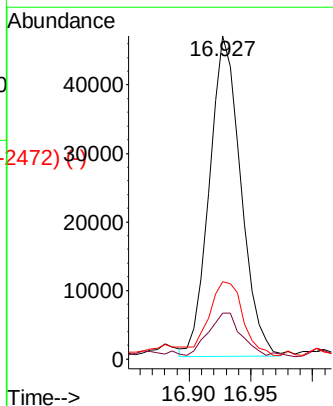
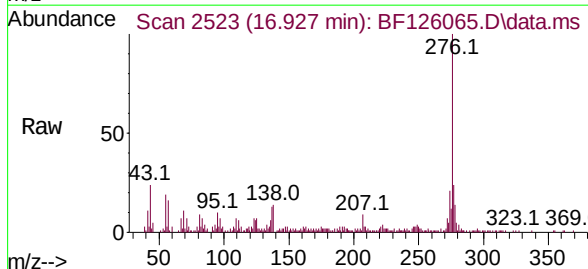
Instrument :
 BNA_F
 ClientSampleId :
 WC-2-KS

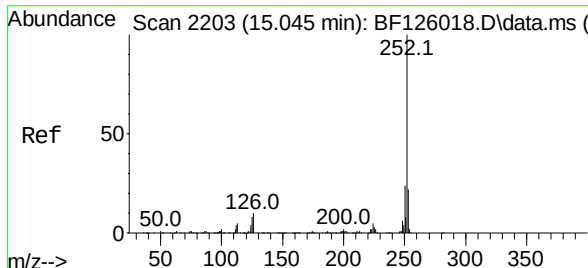
Tgt Ion:	264	Resp:	316418
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	21.1	17.2	25.8



Indeno(1,2,3-cd)pyrene
 Concen: 4.417 ng
 RT: 16.927 min Scan# 2523
 Delta R.T. 0.000 min
 Lab File: BF126065.D
 Acq: 8 Nov 2021 15:04

Tgt Ion:	276	Resp:	82716
Ion	Ratio	Lower	Upper
276	100		
138	14.4	24.1	36.1#
277	24.5	18.8	28.2

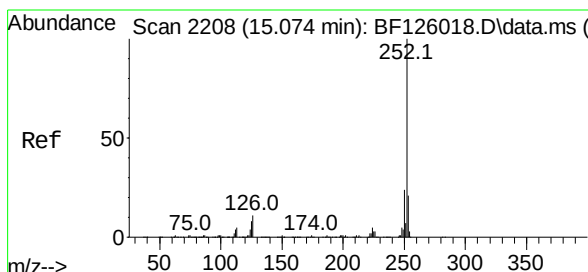
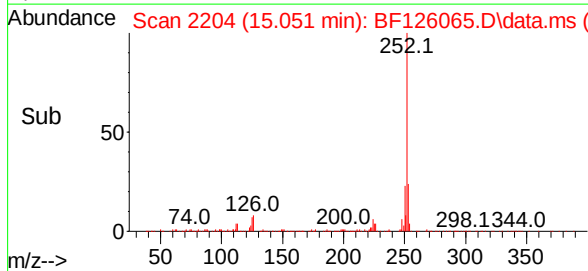
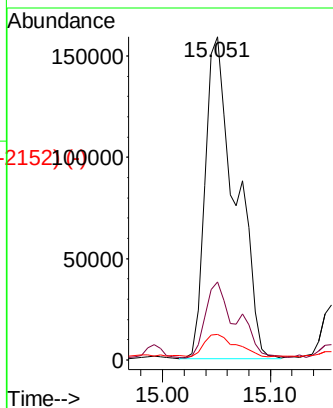
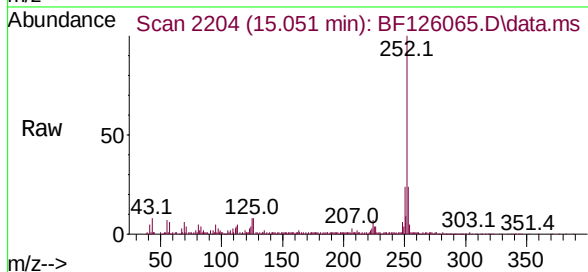




Benzo(b)fluoranthene
 Concen: 15.091 ng
 RT: 15.051 min Scan# 2158
 Delta R.T. 0.006 min
 Lab File: BF126065.D
 Acq: 8 Nov 2021 15:04

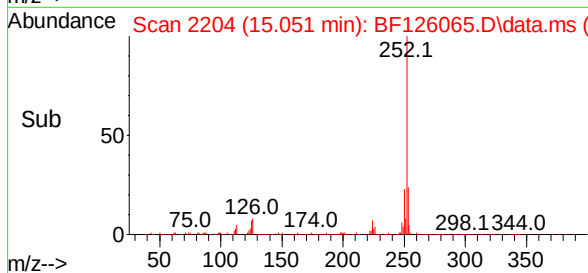
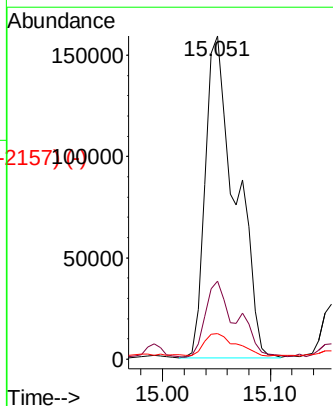
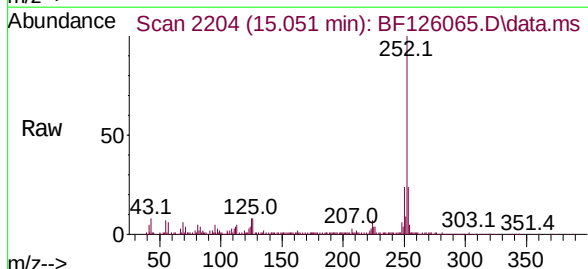
Instrument :
 BNA_F
 ClientSampleId :
 WC-2-KS

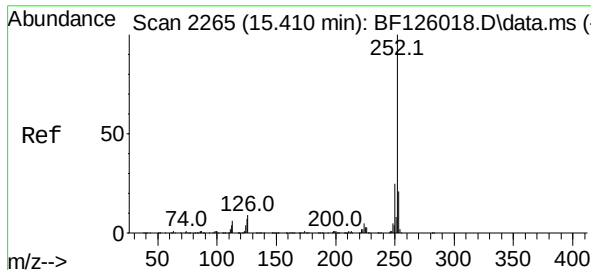
Tgt Ion:	252	Resp:	310589
Ion Ratio	Lower	Upper	
252	100		
253	24.2	16.8	25.2
125	8.0	9.8	14.8#



Benzo(k)fluoranthene
 Concen: 15.557 ng
 RT: 15.051 min Scan# 2204
 Delta R.T. -0.023 min
 Lab File: BF126065.D
 Acq: 8 Nov 2021 15:04

Tgt Ion:	252	Resp:	310589
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.8
125	8.0	7.2	10.8

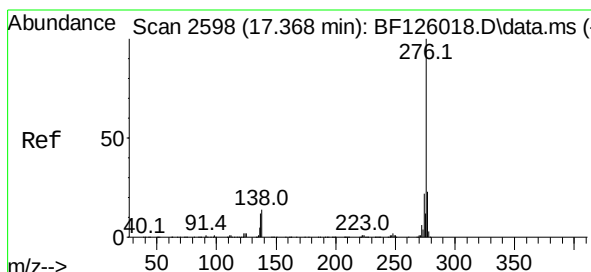
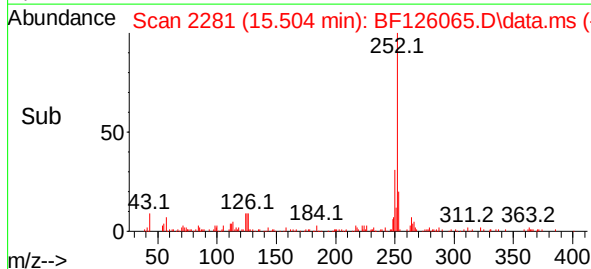
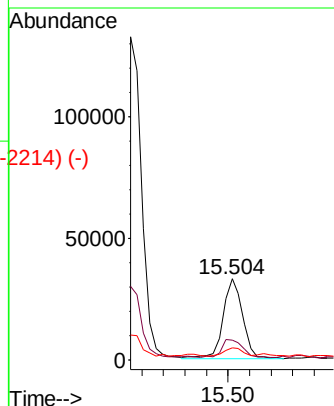
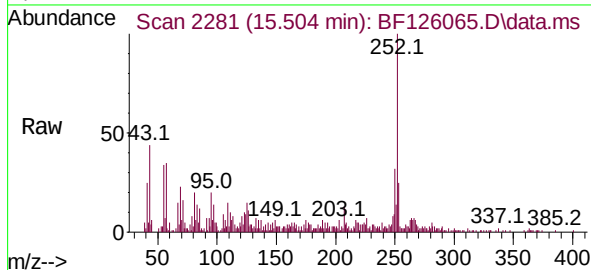




Benzo(a)pyrene
Concen: 2.582 ng
RT: 15.504 min Scan# 2265
Delta R.T. 0.094 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

Instrument :
BNA_F
ClientSampleId :
WC-2-KS

Tgt Ion:	252	Resp:	41874
Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	14.7	9.9	14.9



Benzo(g,h,i)perylene
Concen: 5.337 ng
RT: 17.368 min Scan# 2598
Delta R.T. 0.000 min
Lab File: BF126065.D
Acq: 8 Nov 2021 15:04

Tgt Ion:	276	Resp:	78737
Ion	Ratio	Lower	Upper
276	100		
277	25.5	22.0	33.0
138	14.3	22.2	33.4#

