

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110821\
 Data File : BF126062.D
 Acq On : 8 Nov 2021 13:27
 Operator : JU/CG
 Sample : M4472-04RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-KSRE

Quant Time: Nov 08 14:21:58 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)

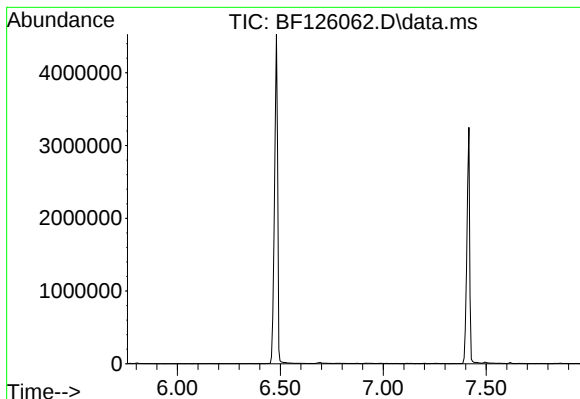
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-6.86
21) Naphthalene-d8	0.000	136	0	0.000	ng	-8.14
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-9.89
64) Phenanthrene-d10	11.357	188	282	20.000	ng	#-0.02
76) Chrysene-d12	14.010	240	3286	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	1294	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1051245	0.000	ng	0.01
7) Phenol-d6	6.481	99	1383813	0.000	ng	0.00
23) Nitrobenzene-d5	7.416	82	1000156	0.000	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	352322	0.000	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1774045	0.000	ng	0.00
79) Terphenyl-d14	12.957	244	1379648	6770.379	ng	0.00
Target Compounds						Qvalue
65) 4,6-Dinitro-2-methylph...	10.674	198	1087	670.167	ng	# 1
66) n-Nitrosodiphenylamine	10.545	169	1316	146.542	ng	# 68
67) 4-Bromophenyl-phenylether	10.674	248	24080	7049.831	ng	# 1
71) Phenanthrene	11.398	178	303831	19867.356	ng	100
72) Anthracene	11.445	178	79623	5214.973	ng	96
73) Carbazole	11.598	167	14651	1034.618	ng	99
74) Di-n-butylphthalate	11.927	149	8252	500.120	ng	# 98
75) Fluoranthene	12.586	202	627349	36838.191	ng	94
77) Benzidine	12.686	184	790	7.192	ng	# 1
78) Pyrene	12.816	202	574696	2180.826	ng	97
80) Butylbenzylphthalate	13.427	149	3087	32.160	ng	# 59
81) Benzo(a)anthracene	13.998	228	262167	1161.356	ng	99
82) 3,3'-Dichlorobenzidine	13.968	252	507	7.696	ng	# 66
83) Chrysene	14.033	228	215210	1024.579	ng	99
84) Bis(2-ethylhexyl)phtha...	13.992	149	6977	52.445	ng	# 95
85) Di-n-octyl phthalate	14.610	149	2834	14.994	ng	# 71
87) Indeno(1,2,3-cd)pyrene	16.927	276	94463	1233.330	ng	# 82
88) Benzo(b)fluoranthene	15.051	252	364956	4335.987	ng	# 93
89) Benzo(k)fluoranthene	15.051	252	364956	4469.891	ng	97
90) Benzo(a)pyrene	15.351	252	118883	1792.804	ng	97
91) Dibenzo(a,h)anthracene	16.945	278	21926	348.544	ng	# 89
92) Benzo(g,h,i)perylene	17.374	276	85727	1420.927	ng	# 83

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

WC-2-KSRE

Response via : Initial Calibration

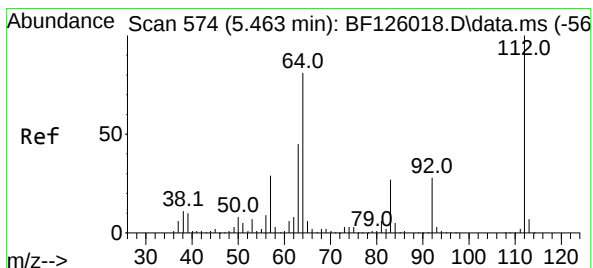
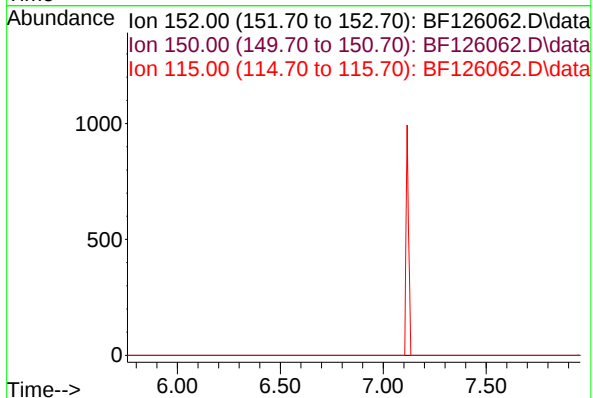




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.86 min
 Lab File: BF126062.D
 Acq: 8 Nov 2021 13:27

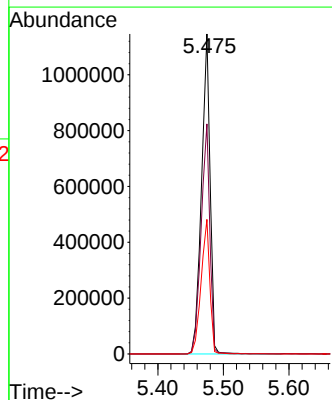
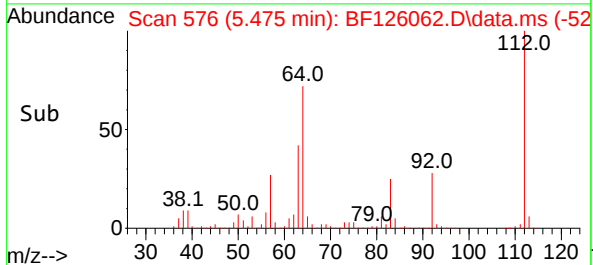
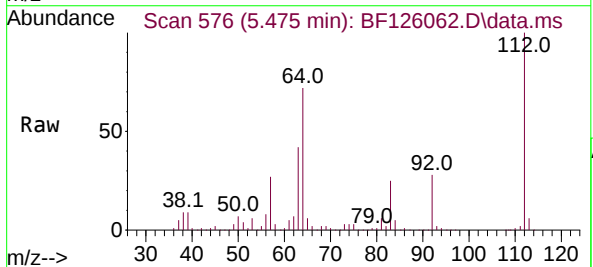
Instrument :
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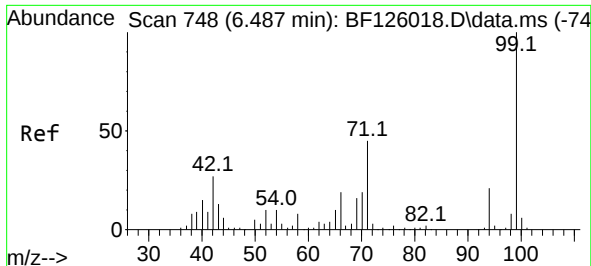
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 150 147.0
 115 58.9



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.475 min Scan# 576
 Delta R.T. 0.012 min
 Lab File: BF126062.D
 Acq: 8 Nov 2021 13:27

Tgt Ion: 112 Resp: 1051245
 Ion Ratio Lower Upper
 112 100
 64 71.9 44.2 66.2#
 63 42.1 26.2 39.2#

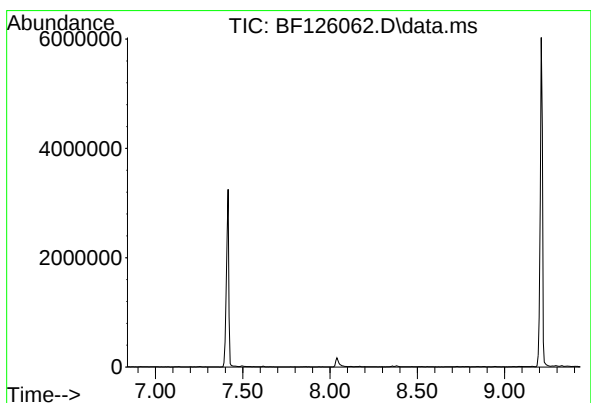
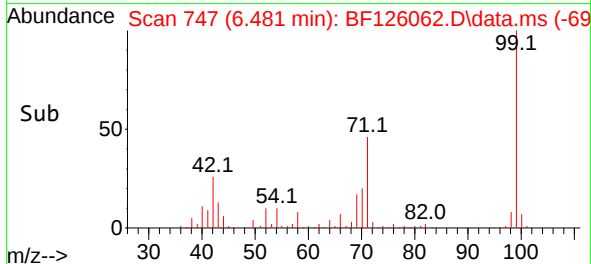
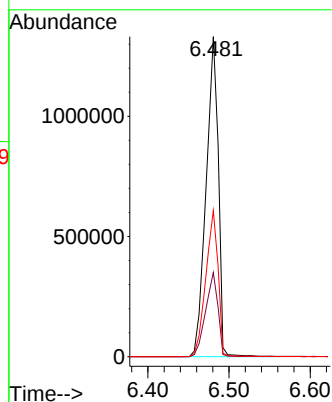
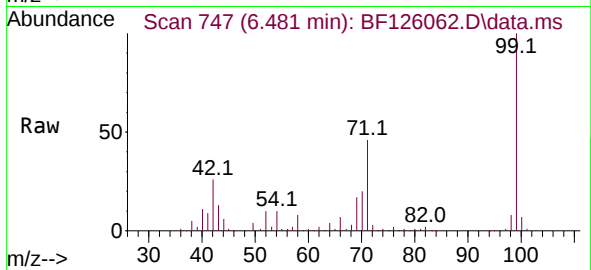




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

Instrument :
BNA_F
ClientSampleId :
WC-2-KSRE

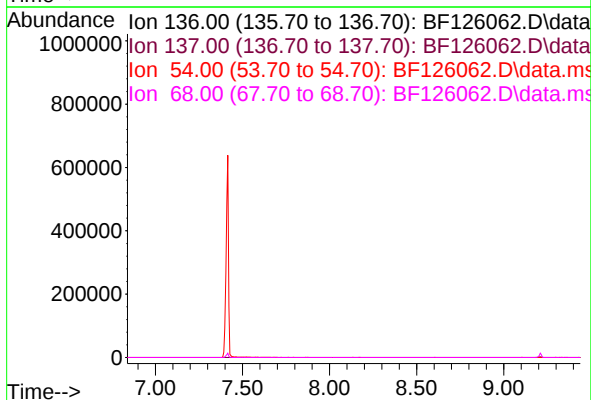
Tgt Ion: 99 Resp: 1383813
Ion Ratio Lower Upper
99 100
42 26.3 23.5 35.3
71 45.6 25.6 38.4#



#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.14 min

Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

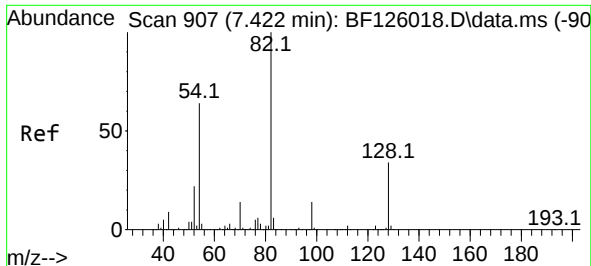
Tgt Ion: 136
Sig Exp Ratio
136 100
137 12.2
54 8.0
68 4.1



Ion 137.00 (136.70 to 137.70): BF126062.D\data

Ion 54.00 (53.70 to 54.70): BF126062.D\data.ms

Ion 68.00 (67.70 to 68.70): BF126062.D\data.ms



#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 7.416 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF126062.D

Acq: 8 Nov 2021 13:27

Instrument :

BNA_F

ClientSampleId :

WC-2-KSRE

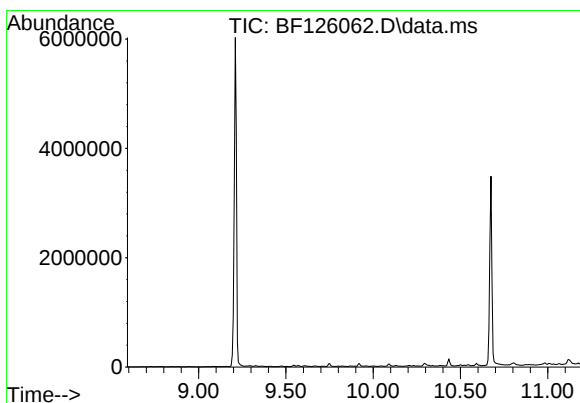
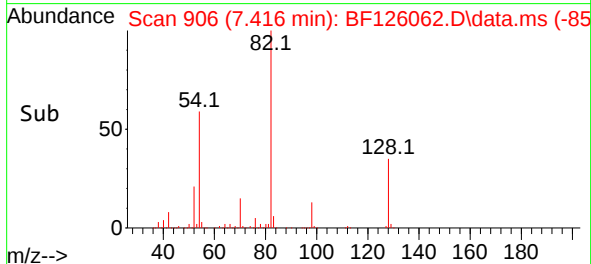
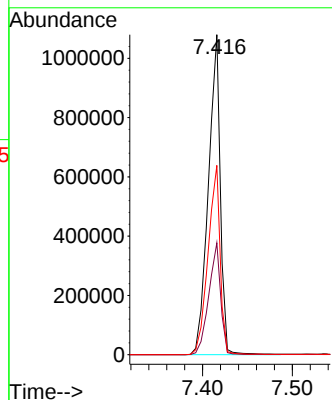
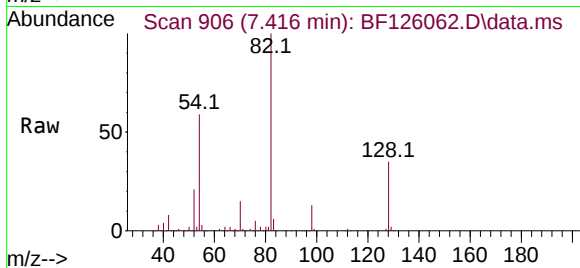
Tgt Ion: 82 Resp: 1000156

Ion Ratio Lower Upper

82 100

128 35.0 40.6 60.8#

54 59.1 49.6 74.4



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.89 min

Lab File: BF126062.D

Acq: 8 Nov 2021 13:27

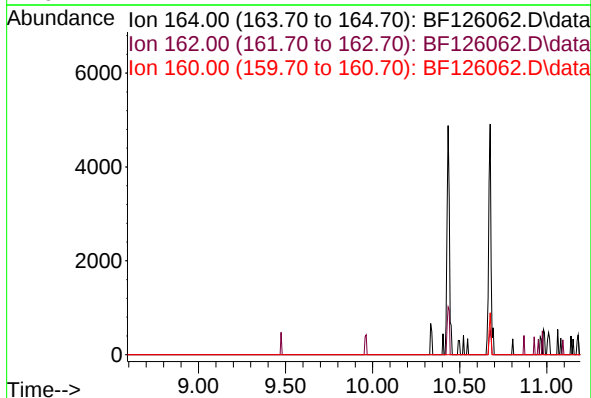
Tgt Ion: 164

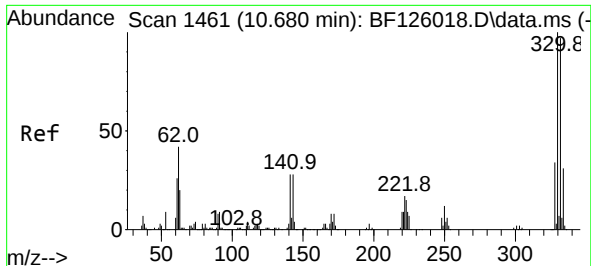
Sig Exp Ratio

164 100

162 101.6

160 47.5





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF126062.D

Acq: 8 Nov 2021 13:27

Instrument :

BNA_F

ClientSampleId :

WC-2-KSRE

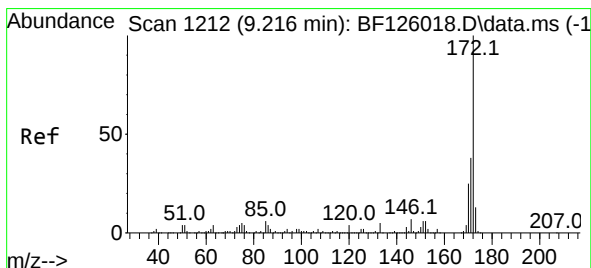
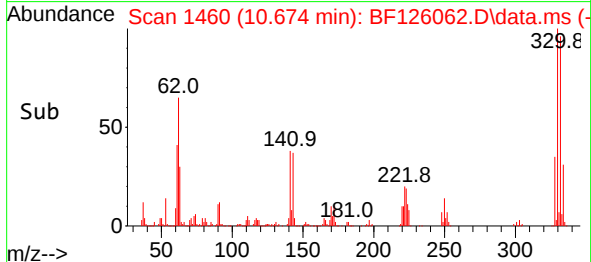
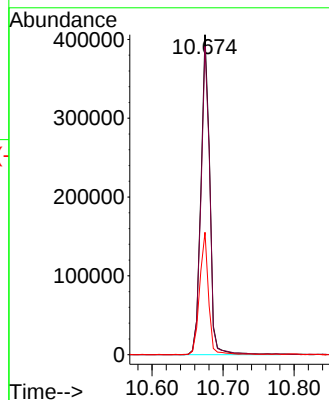
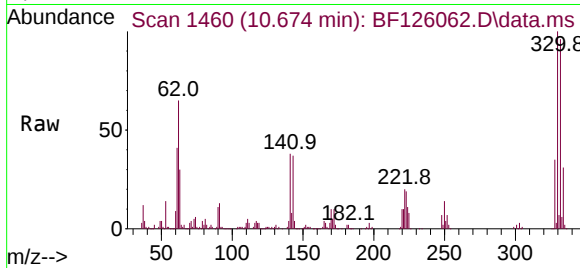
Tgt Ion:330 Resp: 352322

Ion Ratio Lower Upper

330 100

332 96.2 76.2 114.4

141 38.6 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 0.000 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF126062.D

Acq: 8 Nov 2021 13:27

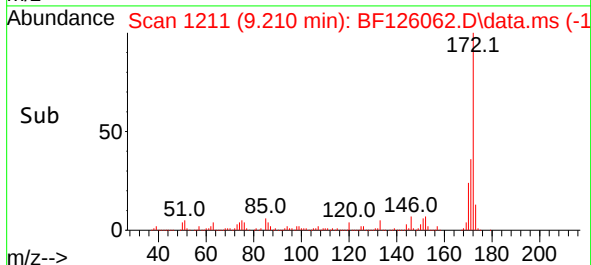
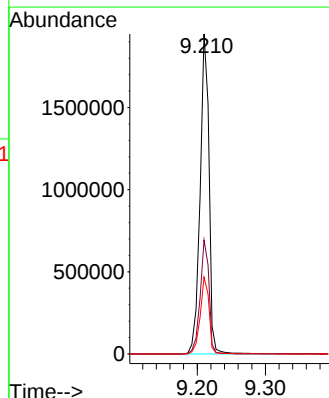
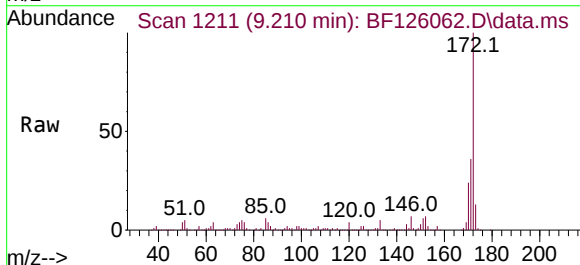
Tgt Ion:172 Resp: 1774045

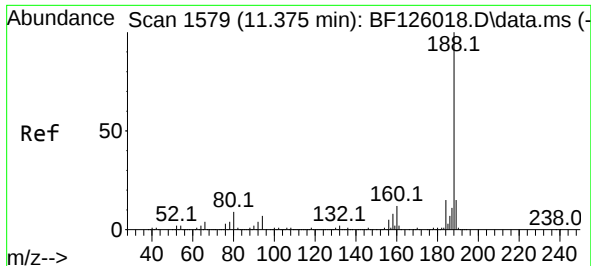
Ion Ratio Lower Upper

172 100

171 35.6 26.5 39.7

170 24.0 18.8 28.2

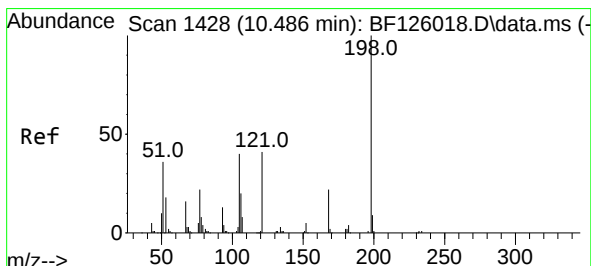
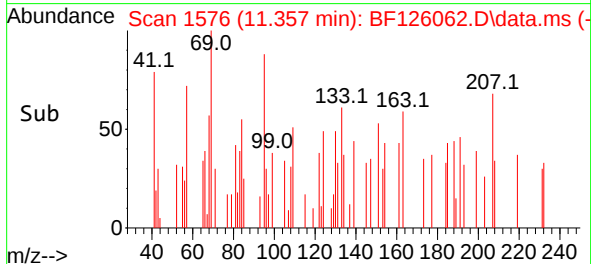
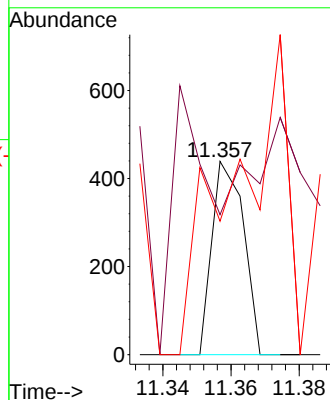
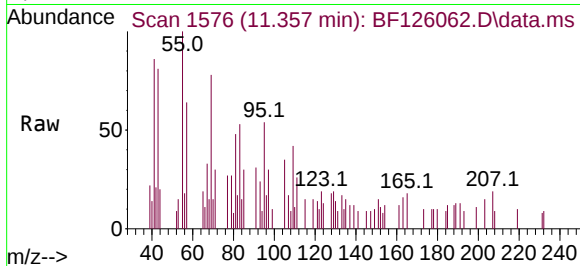




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

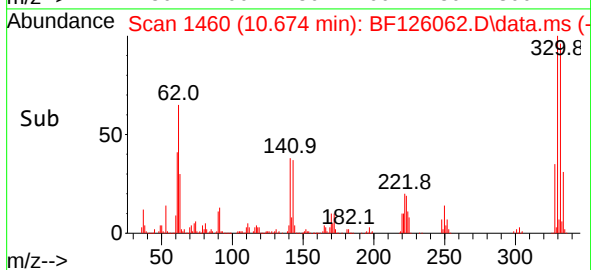
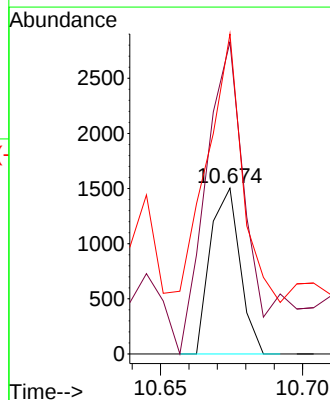
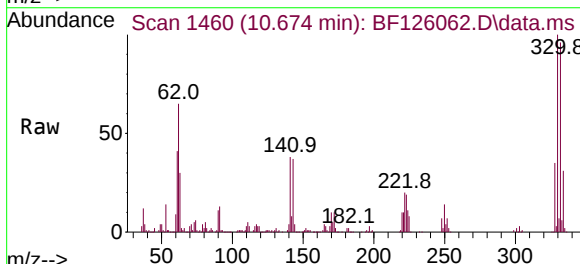
Instrument :
BNA_F
ClientSampleId :
WC-2-KSRE

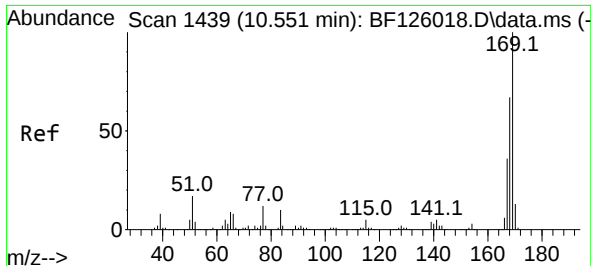
Tgt Ion:188 Resp: 282
Ion Ratio Lower Upper
188 100
94 72.4 6.7 10.1#
80 69.0 7.5 11.3#



#65
4,6-Dinitro-2-methylphenol
Concen: 670.167 ng
RT: 10.674 min Scan# 1460
Delta R.T. 0.188 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

Tgt Ion:198 Resp: 1087
Ion Ratio Lower Upper
198 100
51 188.3 45.3 85.3#
105 193.1 30.6 70.6#

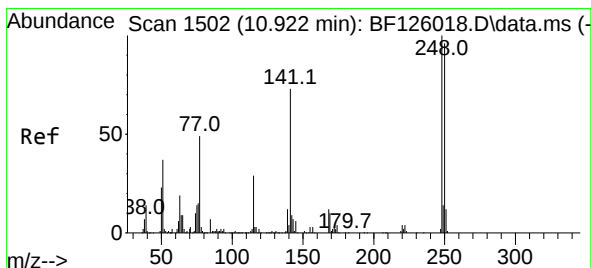
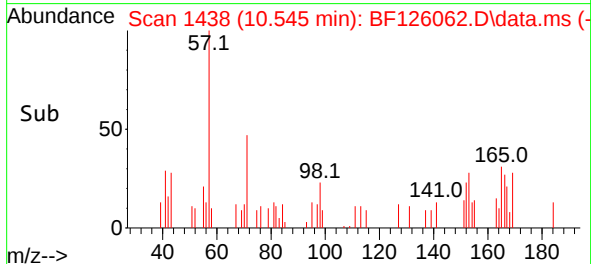
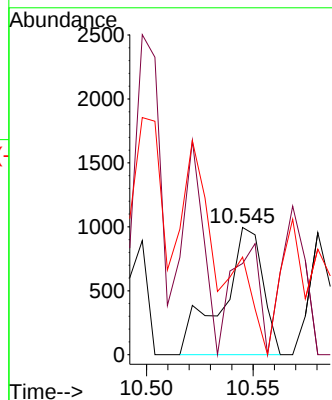
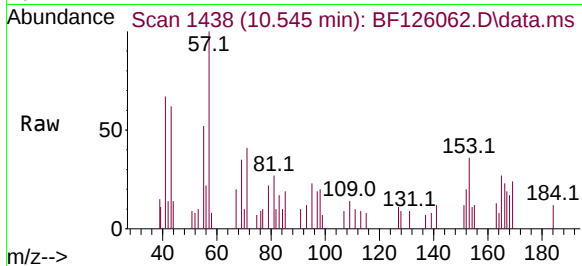




#66
n-Nitrosodiphenylamine
Concen: 146.542 ng
RT: 10.545 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

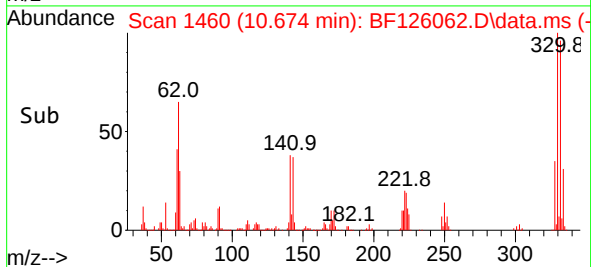
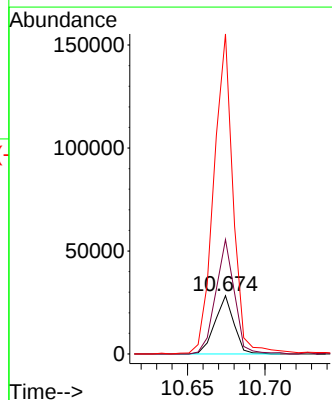
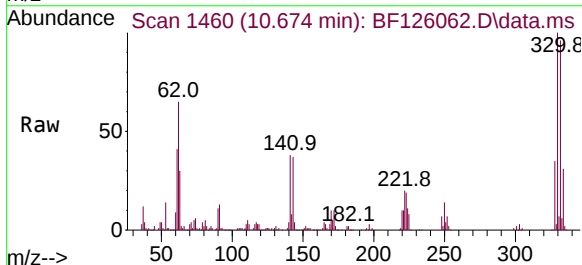
Instrument :
BNA_F
ClientSampleId :
WC-2-KSRE

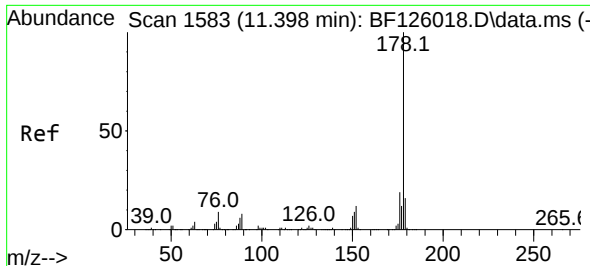
Tgt Ion:169 Resp: 1316
Ion Ratio Lower Upper
169 100
168 71.7 50.8 76.2
167 76.8 28.8 43.2#



#67
4-Bromophenyl-phenylether
Concen: 7049.831 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.248 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

Tgt Ion:248 Resp: 24080
Ion Ratio Lower Upper
248 100
250 196.5 74.2 111.4#
141 549.5 60.4 90.6#

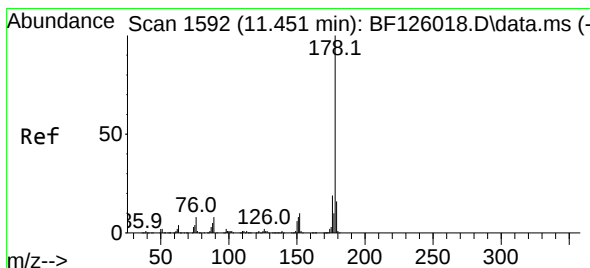
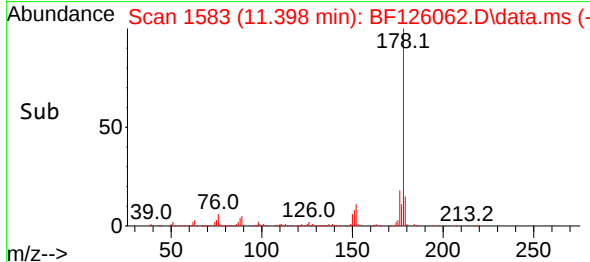
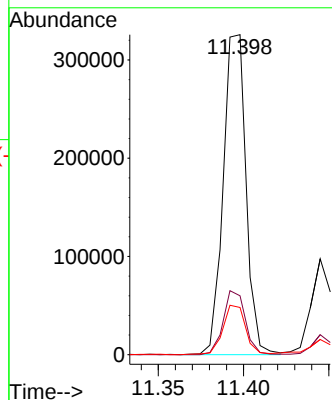
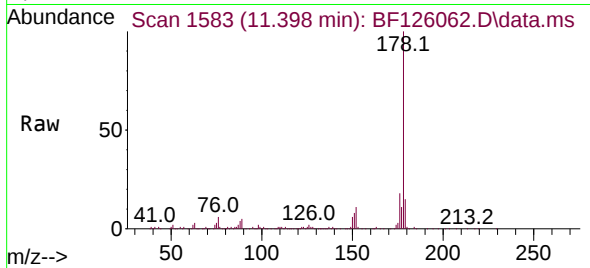




#71
Phenanthrene
Concen: 19867.356 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

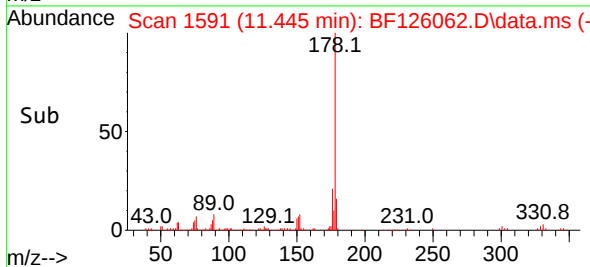
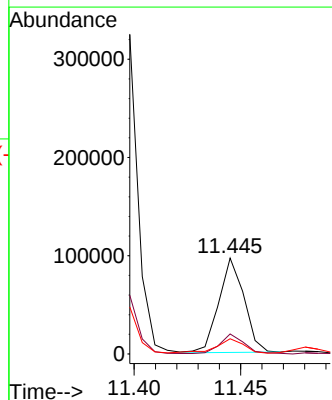
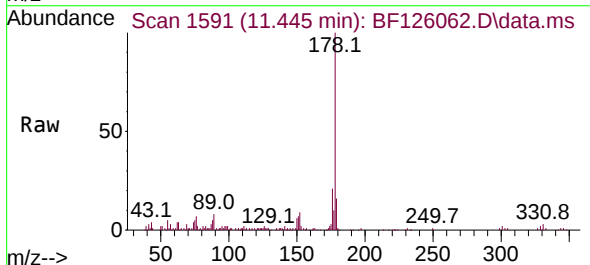
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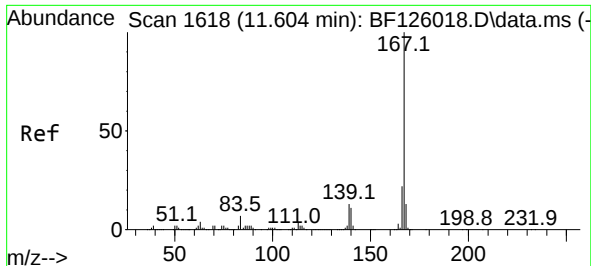
Tgt Ion:178 Resp: 303831
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 14.7 11.5 17.3



#72
Anthracene
Concen: 5214.973 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

Tgt Ion:178 Resp: 79623
Ion Ratio Lower Upper
178 100
176 20.8 14.3 21.5
179 15.8 12.2 18.4

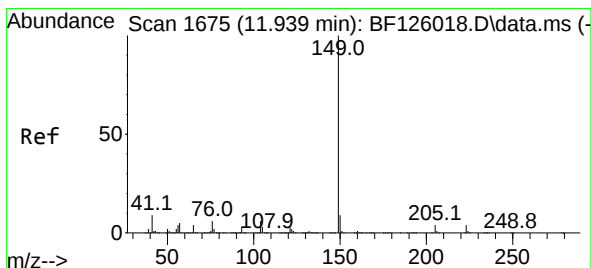
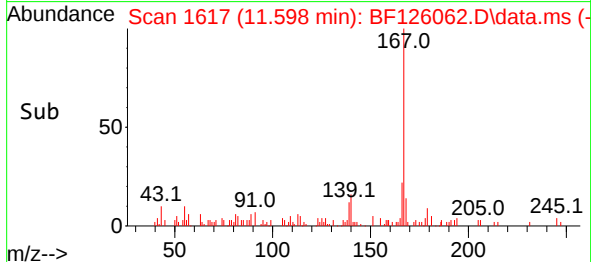
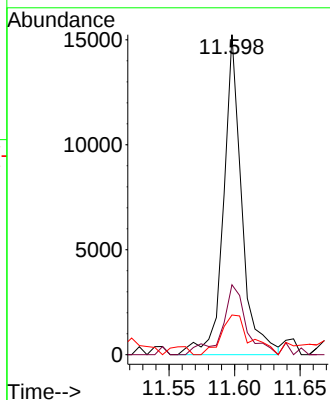
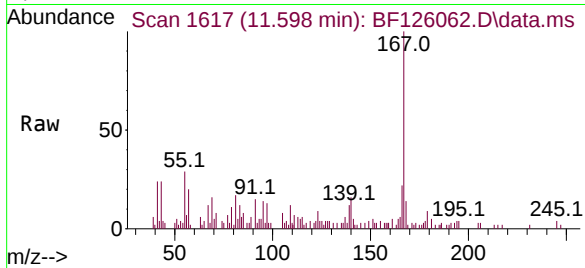




#73
 Carbazole
 Concen: 1034.618 ng
 RT: 11.598 min Scan# 1617
 Delta R.T. -0.006 min
 Lab File: BF126062.D
 Acq: 8 Nov 2021 13:27

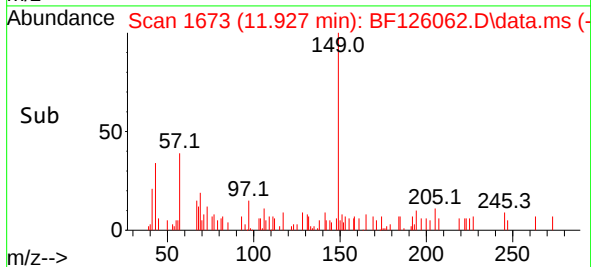
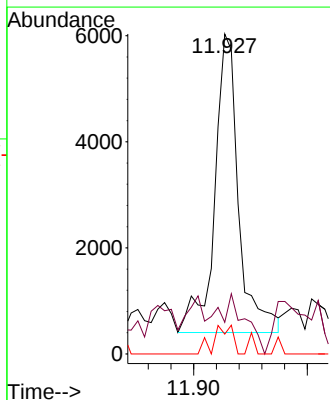
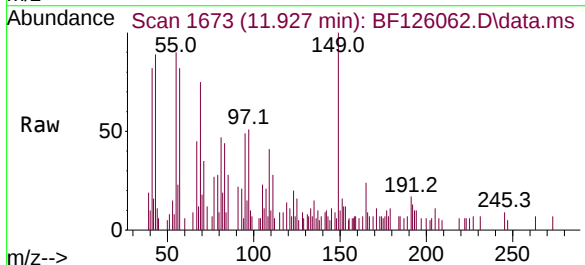
Instrument :
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 ClientSampleId :
 WC-2-KSRE

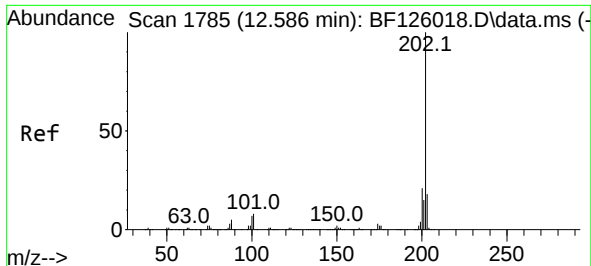
Tgt Ion:167 Resp: 14651
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.0
 139 12.4 11.0 16.4



#74
 Di-n-butylphthalate
 Concen: 500.120 ng
 RT: 11.927 min Scan# 1673
 Delta R.T. -0.012 min
 Lab File: BF126062.D
 Acq: 8 Nov 2021 13:27

Tgt Ion:149 Resp: 8252
 Ion Ratio Lower Upper
 149 100
 150 9.9 7.4 11.2
 104 6.2 4.1 6.1#

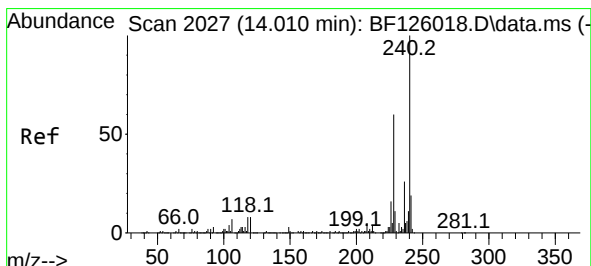
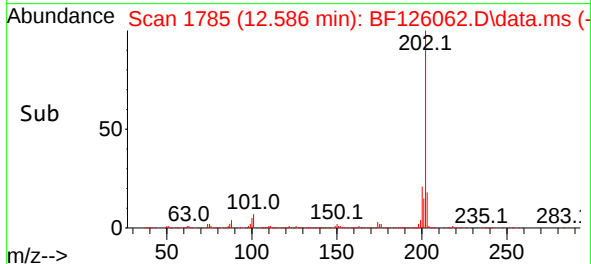
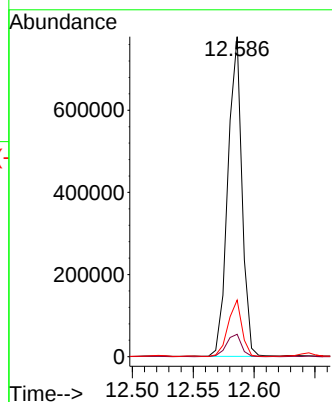
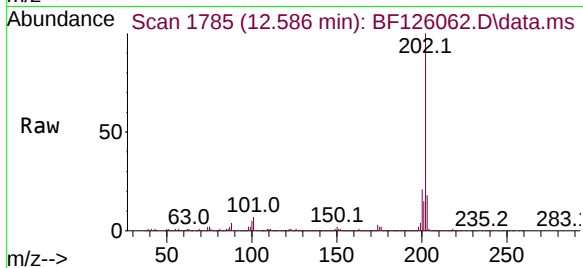




#75
Fluoranthene
Concen: 36838.191 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

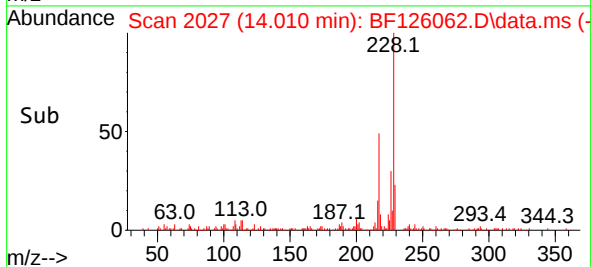
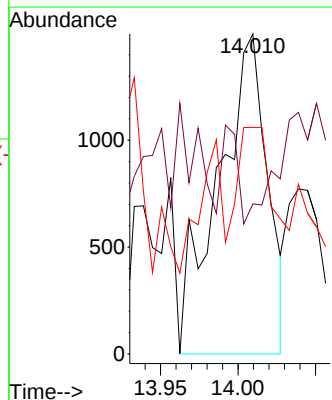
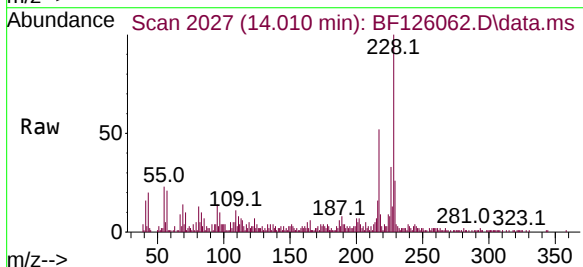
Instrument :
BNA_F
ClientSampleId :
WC-2-KSRE

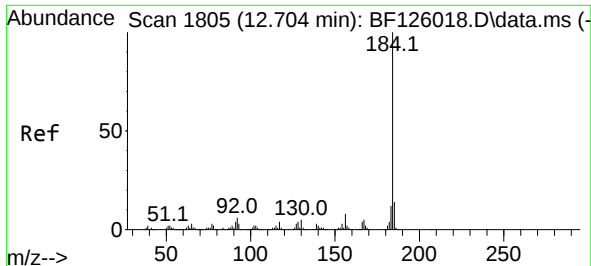
Tgt Ion:202 Resp: 627349
Ion Ratio Lower Upper
202 100
101 7.0 0.0 30.7
203 17.7 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

Tgt Ion:240 Resp: 3286
Ion Ratio Lower Upper
240 100
120 46.9 10.8 16.2#
236 70.8 21.6 32.4#

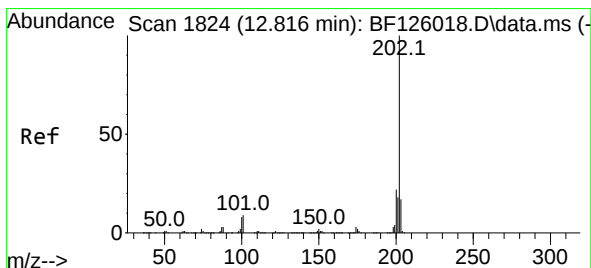
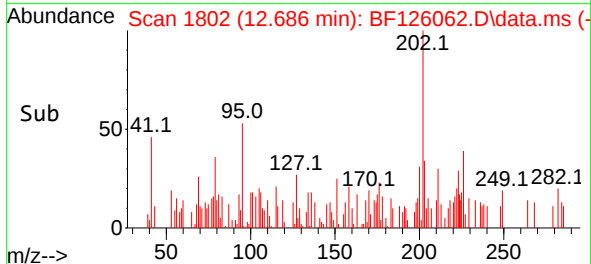
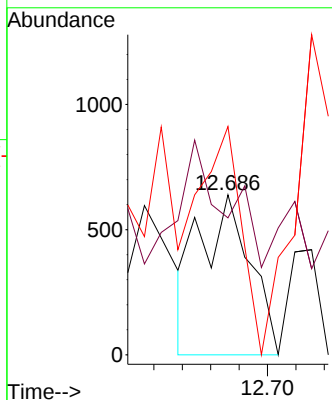
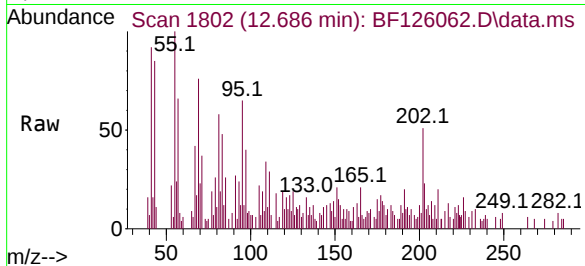




#77
Benzidine
Concen: 7.192 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.018 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

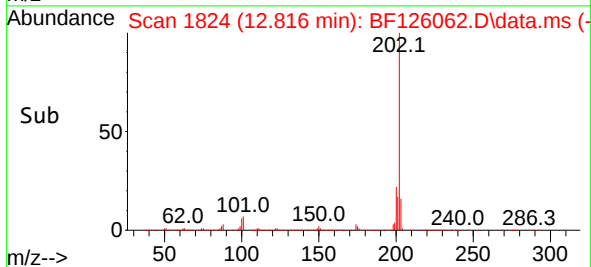
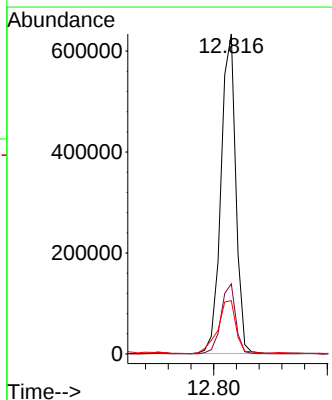
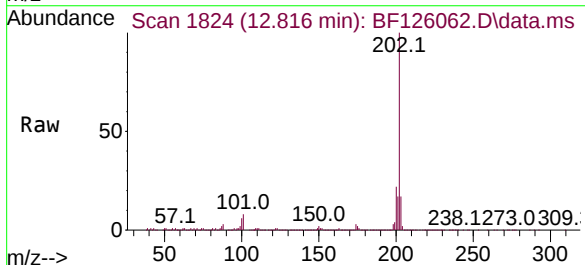
Instrument :
BNA_F
ClientSampleId :
WC-2-KSRE

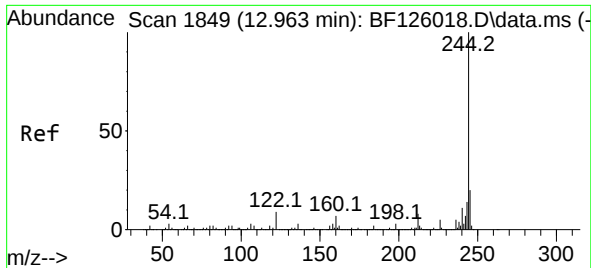
Tgt Ion:184 Resp: 790
Ion Ratio Lower Upper
184 100
185 85.6 10.8 16.2#
183 142.7 8.1 12.1#



#78
Pyrene
Concen: 2180.826 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.001 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

Tgt Ion:202 Resp: 574696
Ion Ratio Lower Upper
202 100
200 21.9 15.3 22.9
203 16.7 13.4 20.0

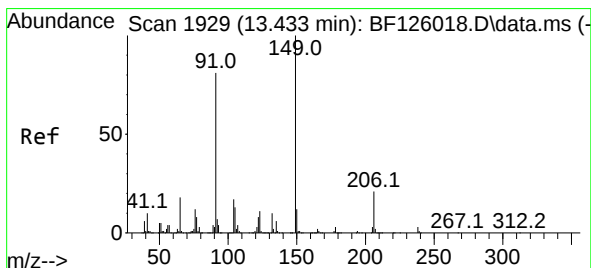
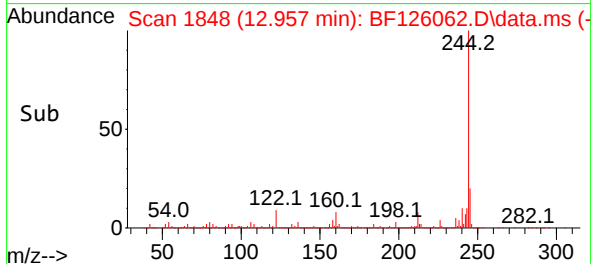
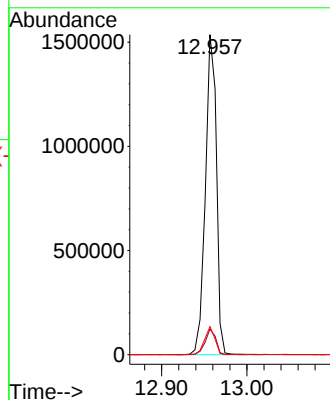
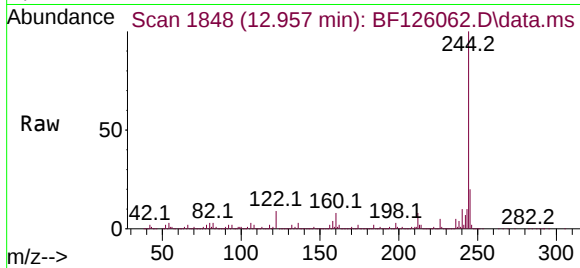




#79
 Terphenyl-d14
 Concen: 6770.379 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126062.D
 Acq: 8 Nov 2021 13:27

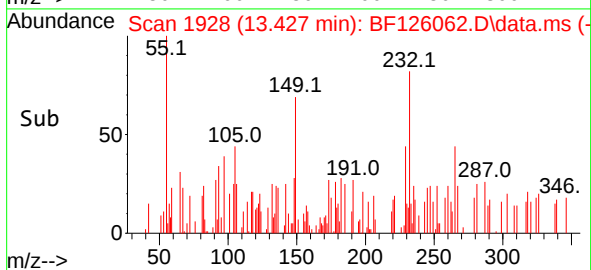
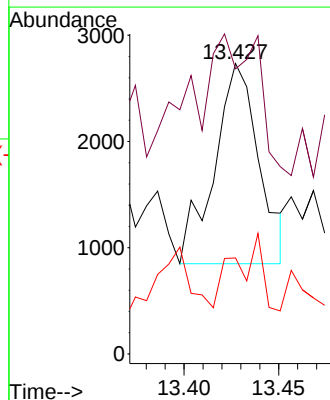
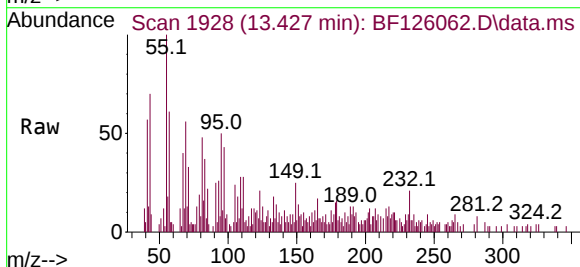
Instrument :
 BNA_F
 ClientSampleId :
 WC-2-KSRE

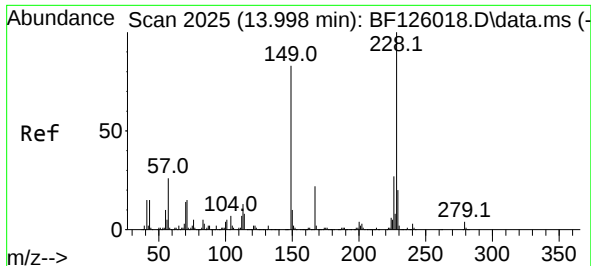
Tgt Ion:244 Resp: 1379648
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.9 8.9
 122 8.7 9.0 13.4#



#80
 Butylbenzylphthalate
 Concen: 32.160 ng
 RT: 13.427 min Scan# 1928
 Delta R.T. -0.006 min
 Lab File: BF126062.D
 Acq: 8 Nov 2021 13:27

Tgt Ion:149 Resp: 3087
 Ion Ratio Lower Upper
 149 100
 91 98.2 51.8 77.8#
 206 33.1 14.5 21.7#

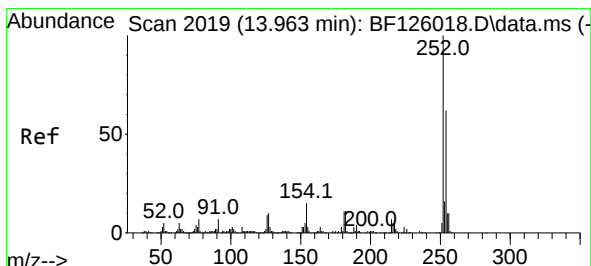
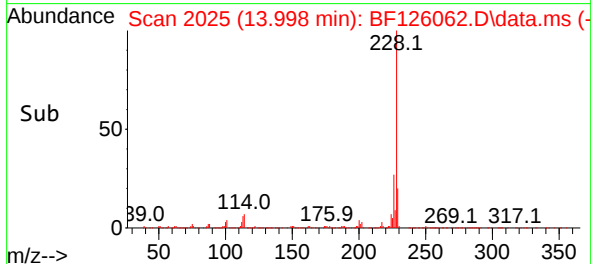
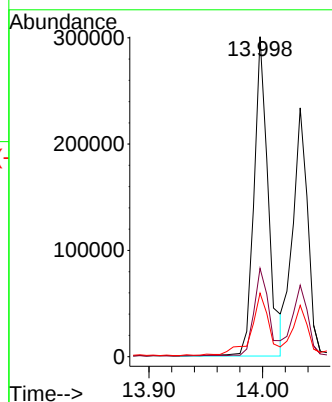
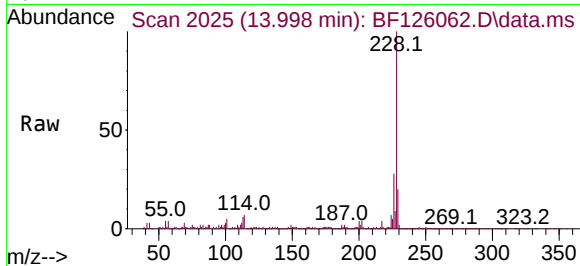




#81
Benzo(a)anthracene
Concen: 1161.356 ng
RT: 13.998 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

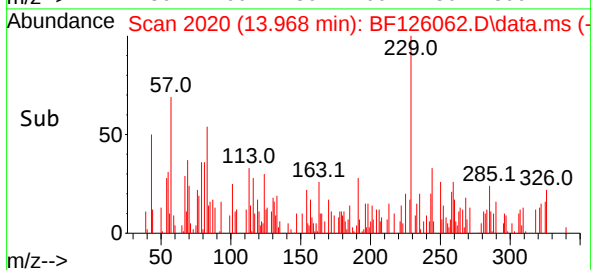
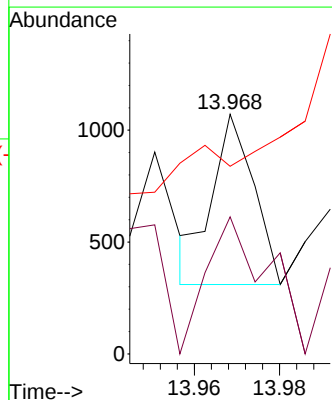
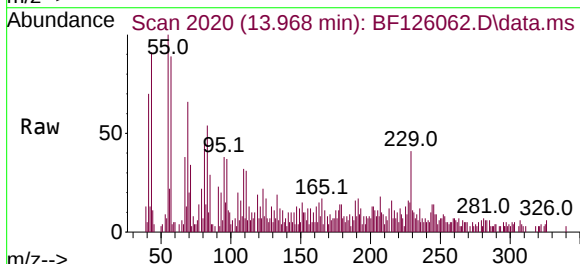
Instrument :
BNA_F
ClientSampleId :
WC-2-KSRE

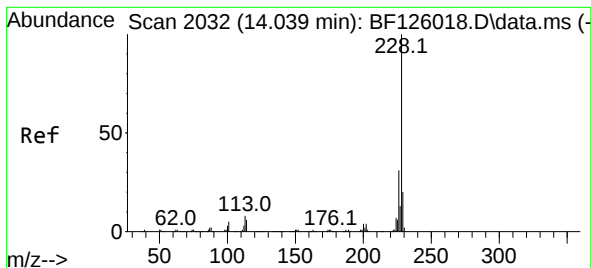
Tgt Ion:228 Resp: 262167
Ion Ratio Lower Upper
228 100
226 27.6 21.6 32.4
229 19.9 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 7.696 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.005 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

Tgt Ion:252 Resp: 507
Ion Ratio Lower Upper
252 100
254 57.2 51.4 77.0
126 78.3 9.5 14.3#





#83

Chrysene

Concen: 1024.579 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF126062.D

Acq: 8 Nov 2021 13:27

Instrument :

BNA_F

ClientSampleId :

WC-2-KSRE

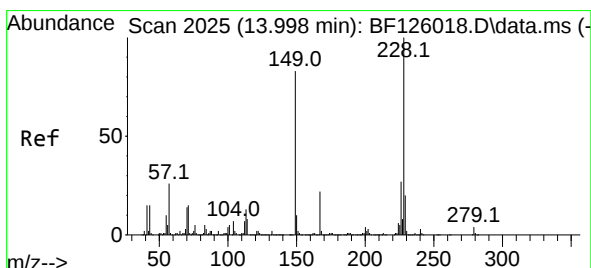
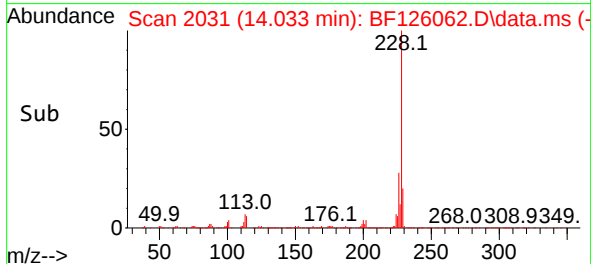
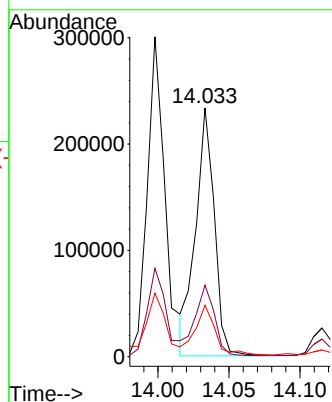
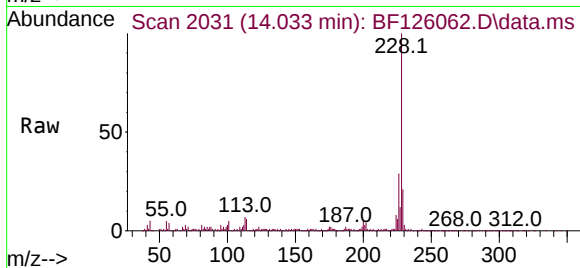
Tgt Ion:228 Resp: 215210

Ion Ratio Lower Upper

228 100

226 28.8 22.6 34.0

229 20.6 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.445 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF126062.D

Acq: 8 Nov 2021 13:27

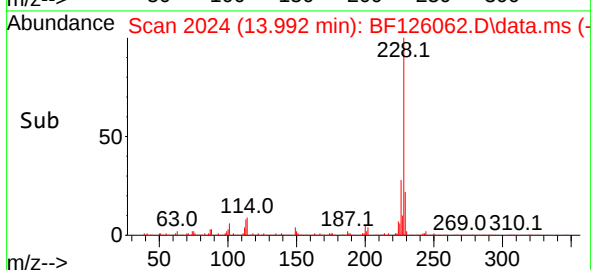
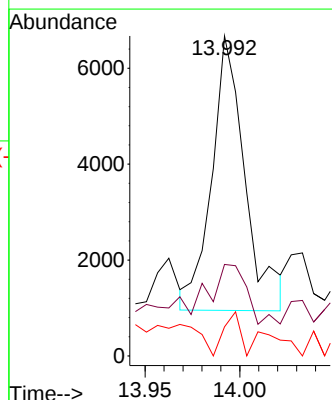
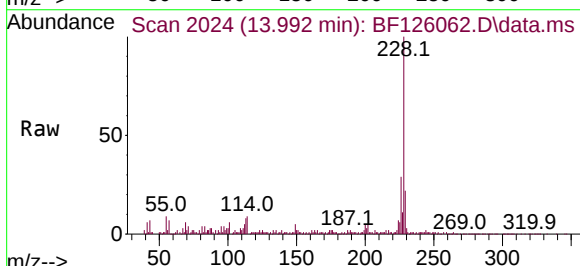
Tgt Ion:149 Resp: 6977

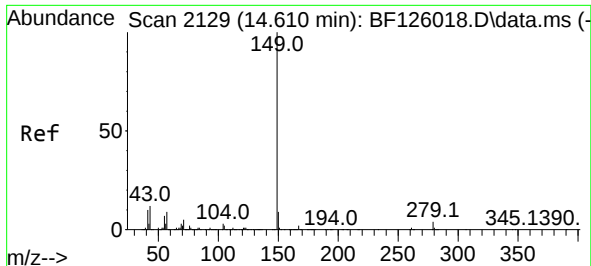
Ion Ratio Lower Upper

149 100

167 28.6 21.4 32.0

279 9.1 2.6 4.0#

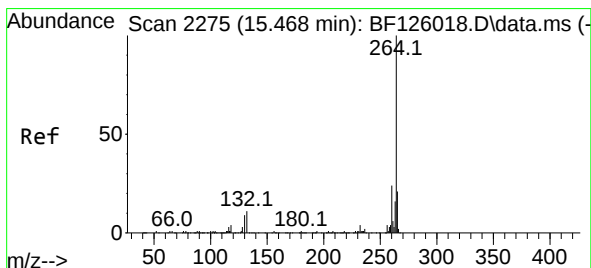
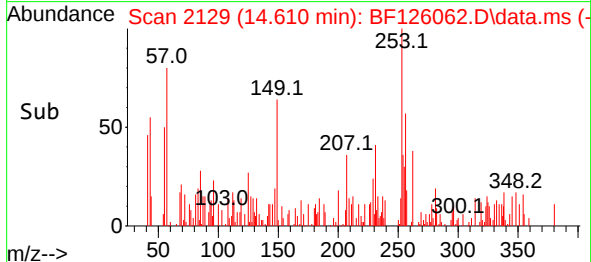
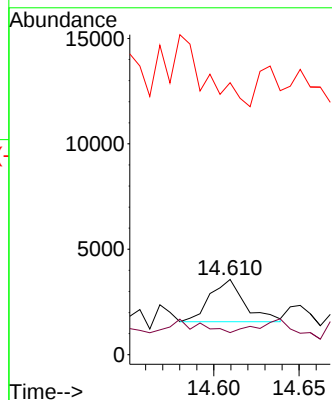
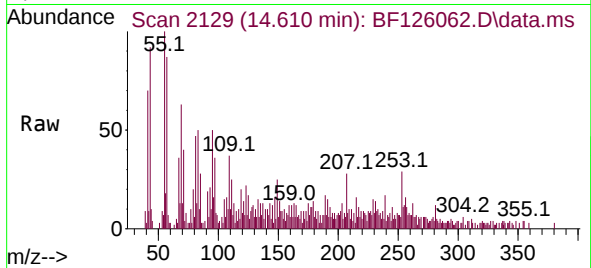




#85
Di-n-octyl phthalate
Concen: 14.994 ng
RT: 14.610 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

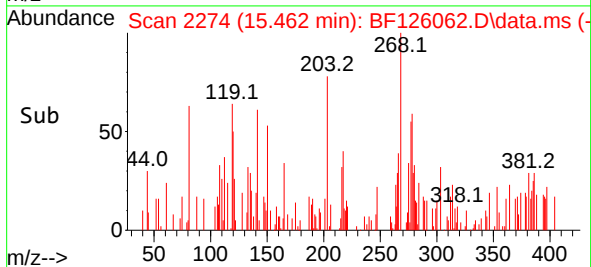
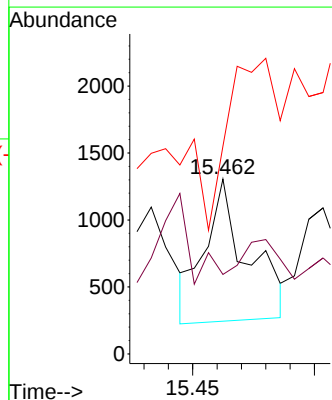
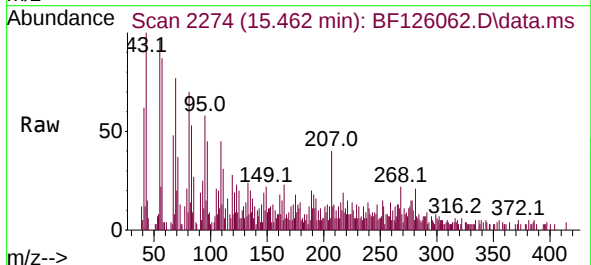
Instrument :
BNA_F
ClientSampleId :
WC-2-KSRE

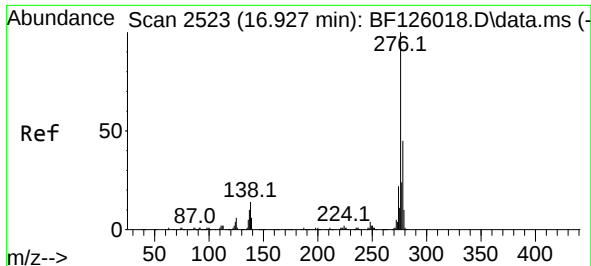
Tgt Ion:149 Resp: 2834
Ion Ratio Lower Upper
149 100
167 0.0 1.0 1.6#
43 0.0 9.9 14.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

Tgt Ion:264 Resp: 1294
Ion Ratio Lower Upper
264 100
260 45.4 19.6 29.4#
265 118.7 17.2 25.8#

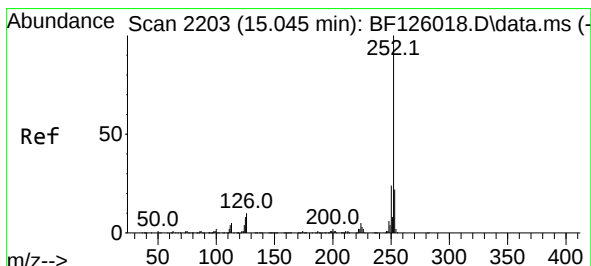
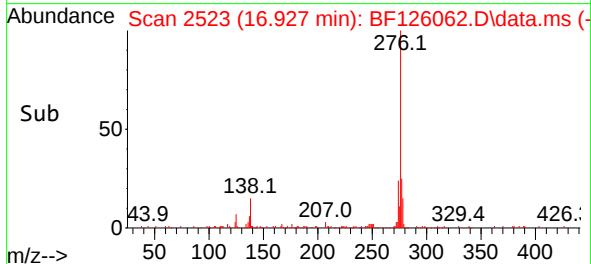
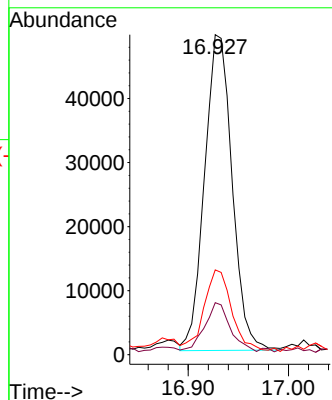
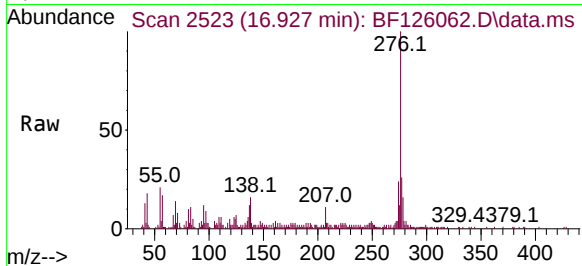




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 1233.330 ng
 RT: 16.927 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF126062.D
 Acq: 8 Nov 2021 13:27

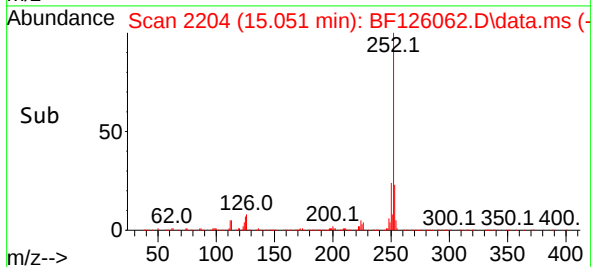
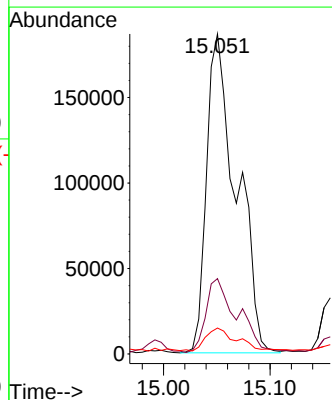
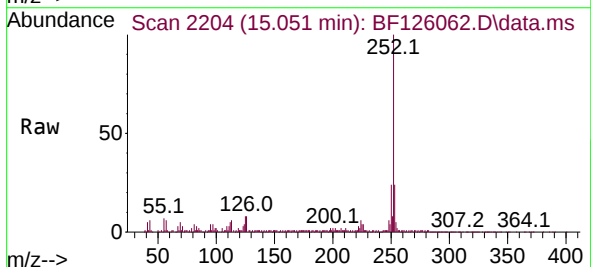
Instrument :
 BNA_F
 ClientSampleId :
 WC-2-KSRE

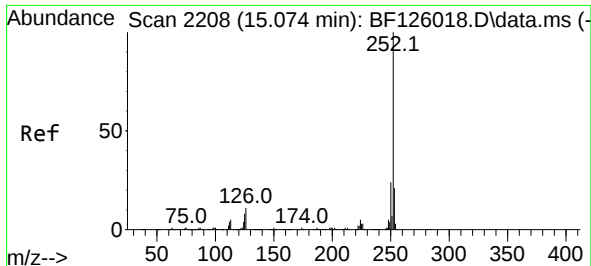
Tgt Ion:276 Resp: 94463
 Ion Ratio Lower Upper
 276 100
 138 14.3 24.1 36.1#
 277 25.0 18.8 28.2



#88
 Benzo(b)fluoranthene
 Concen: 4335.987 ng
 RT: 15.051 min Scan# 2204
 Delta R.T. 0.006 min
 Lab File: BF126062.D
 Acq: 8 Nov 2021 13:27

Tgt Ion:252 Resp: 364956
 Ion Ratio Lower Upper
 252 100
 253 23.5 16.8 25.2
 125 8.1 9.8 14.8#

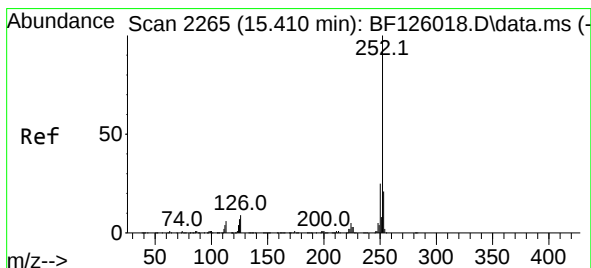
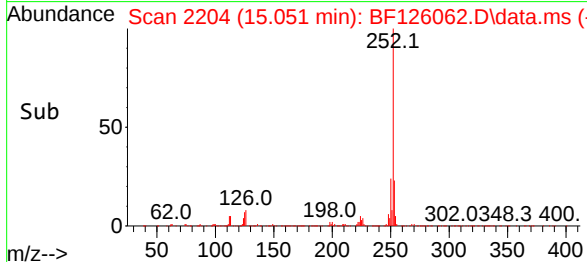
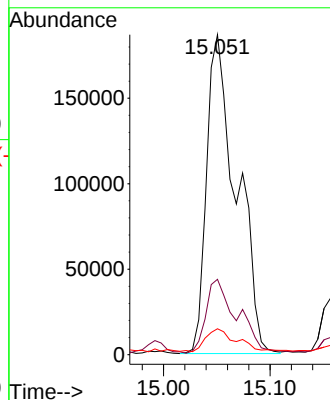
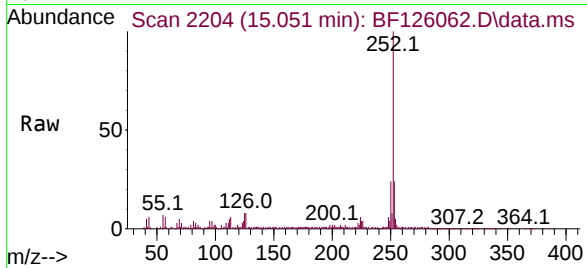




#89
Benzo(k)fluoranthene
Concen: 4469.891 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

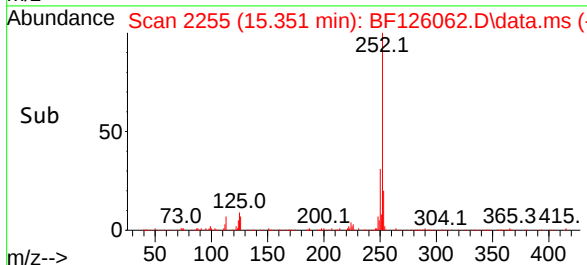
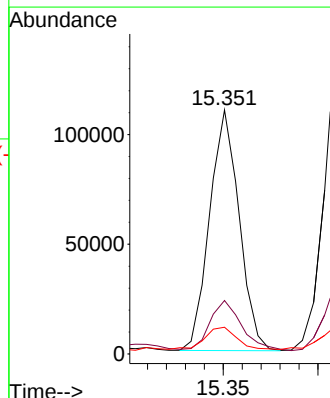
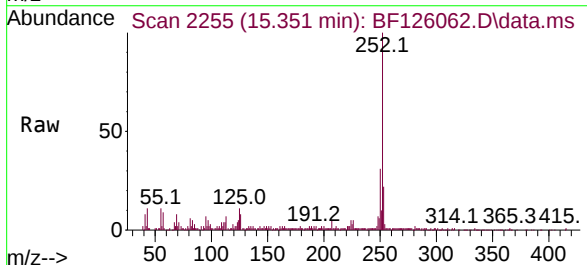
Instrument :
BNA_F
ClientSampleId :
WC-2-KSRE

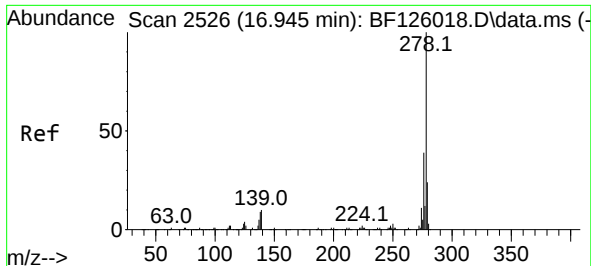
Tgt Ion:252 Resp: 364956
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 8.1 7.2 10.8



#90
Benzo(a)pyrene
Concen: 1792.804 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.059 min
Lab File: BF126062.D
Acq: 8 Nov 2021 13:27

Tgt Ion:252 Resp: 118883
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 10.9 9.9 14.9

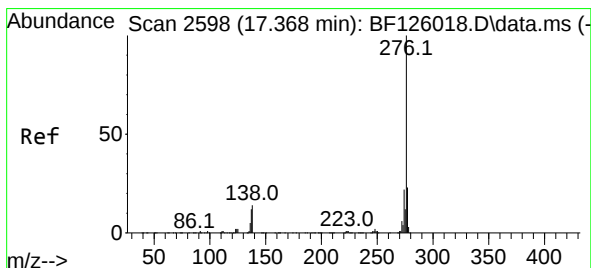
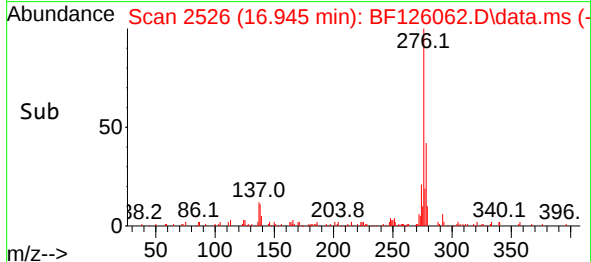
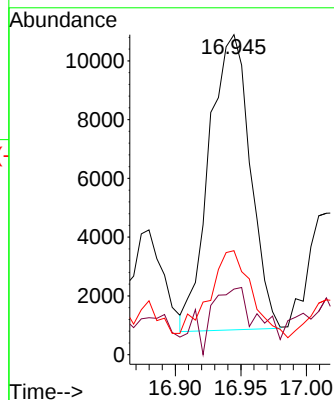
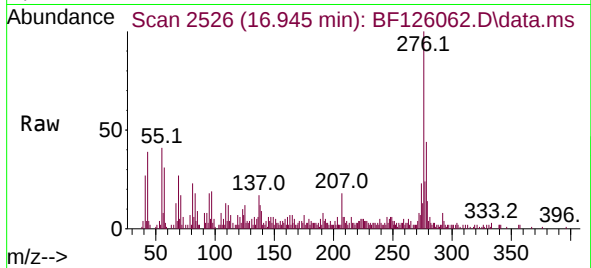




#91
 Dibenzo(a,h)anthracene
 Concen: 348.544 ng
 RT: 16.945 min Scan# 2526
 Delta R.T. -0.000 min
 Lab File: BF126062.D
 Acq: 8 Nov 2021 13:27

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-KSRE

Tgt Ion:278 Resp: 21926
 Ion Ratio Lower Upper
 278 100
 139 20.5 14.9 22.3
 279 32.5 19.7 29.5#



#92
 Benzo(g,h,i)perylene
 Concen: 1420.927 ng
 RT: 17.374 min Scan# 2599
 Delta R.T. 0.006 min
 Lab File: BF126062.D
 Acq: 8 Nov 2021 13:27

Tgt Ion:276 Resp: 85727
 Ion Ratio Lower Upper
 276 100
 277 21.1 22.0 33.0#
 138 15.9 22.2 33.4#

