

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126031.D
 Acq On : 3 Nov 2021 21:27
 Operator : JU/CG
 Sample : M4427-08 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 04 10:12:20 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)

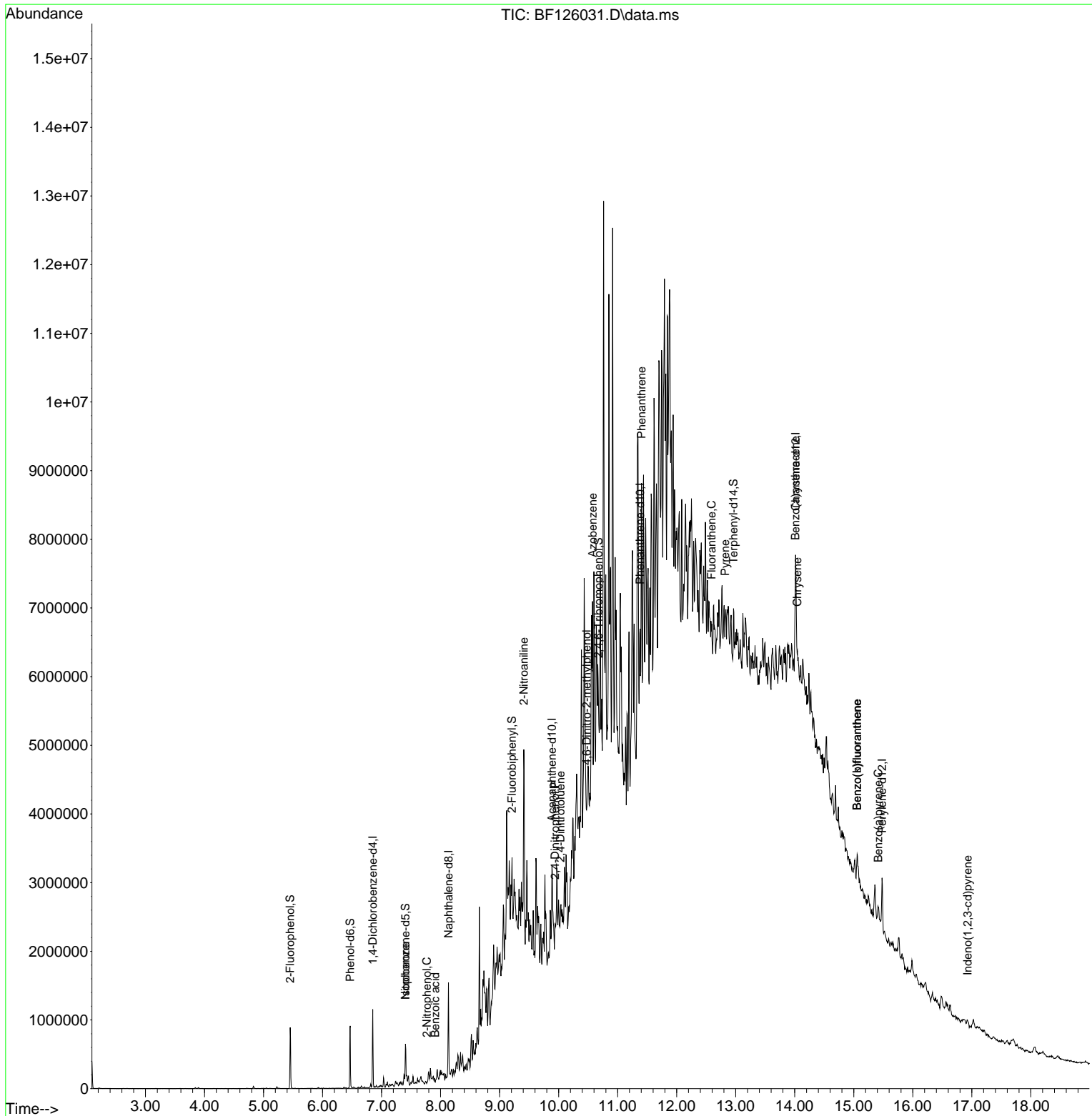
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	132928	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	454393	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	227860	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	377135	20.000	ng	0.00
76) Chrysene-d12	14.015	240	354556	20.000	ng	0.00
86) Perylene-d12	15.480	264	339034	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	179827	23.232	ng	-0.01
7) Phenol-d6	6.469	99	235347	21.568	ng	-0.02
23) Nitrobenzene-d5	7.404	82	162420	16.857	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	54717	20.954	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	290128	17.207	ng	0.00
79) Terphenyl-d14	12.962	244	294469	13.393	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.398	77	106	Below Cal		# 1
25) Isophorone	7.404	82	159568	9.198	ng	# 59
26) 2-Nitrophenol	7.769	139	490	4.759	ng	# 19
32) Benzoic acid	7.910	122	227	9.189	ng	# 8
48) 2-Nitroaniline	9.410	65	13718	5.695	ng	# 17
54) 2,4-Dinitrophenol	9.939	184	122	6.831	ng	# 1
57) 2,4-Dinitrotoluene	10.033	165	983	3.389	ng	# 36
63) Azobenzene	10.574	77	68550	3.795	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.474	198	244	8.428	ng	# 1
71) Phenanthrene	11.404	178	101228	4.949	ng	# 88
75) Fluoranthene	12.592	202	185178	8.131	ng	# 36
78) Pyrene	12.821	202	168651	5.931	ng	# 66
81) Benzo(a)anthracene	14.009	228	128081	5.258	ng	# 89
83) Chrysene	14.045	228	108046	4.767	ng	# 87
87) Indeno(1,2,3-cd)pyrene	16.927	276	59493	2.965	ng	# 84
88) Benzo(b)fluoranthene	15.056	252	200506	9.092	ng	# 65
89) Benzo(k)fluoranthene	15.056	252	200506	9.373	ng	# 69
90) Benzo(a)pyrene	15.415	252	113826	6.552	ng	# 77

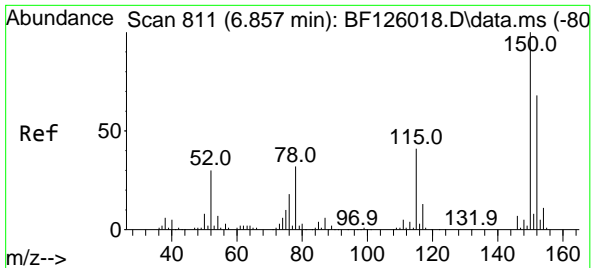
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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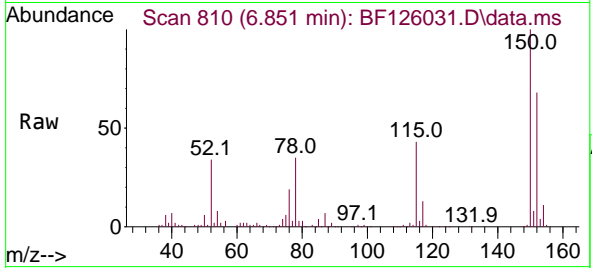
Quant Time: Nov 04 10:12:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
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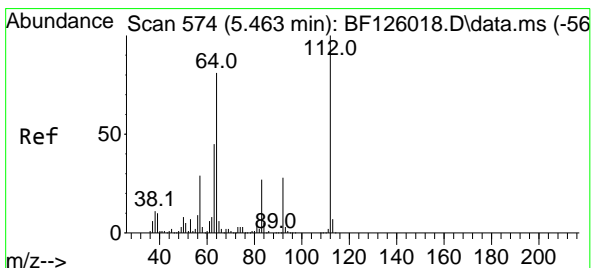
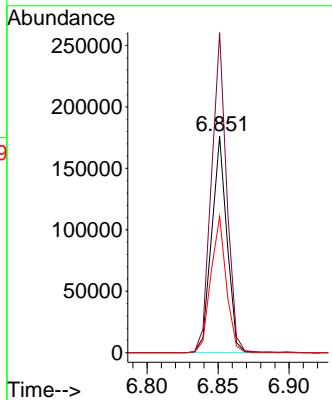
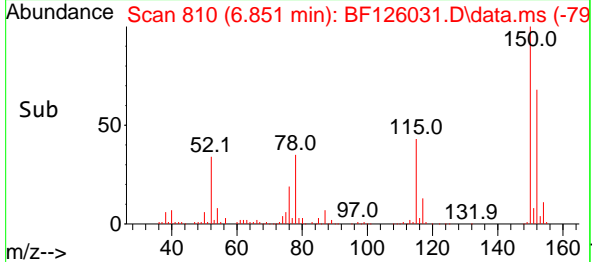


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 811
 Delta R.T. -0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

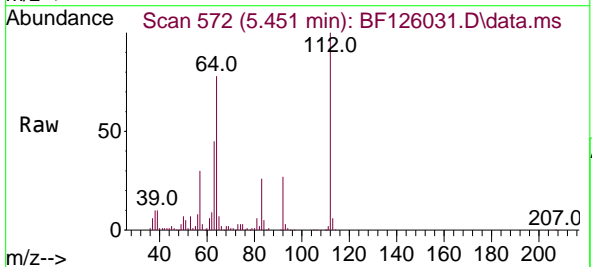
Instrument :
 BNA_F
 ClientSampleId :



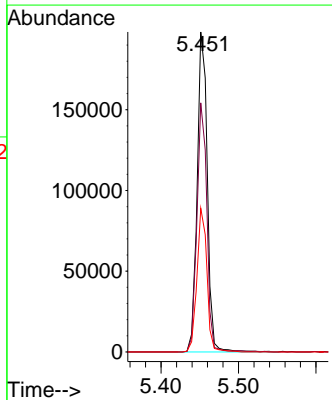
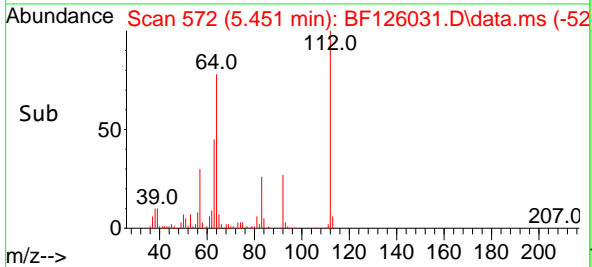
Tgt Ion:152 Resp: 132928
 Ion Ratio Lower Upper
 152 100
 150 147.8 117.6 176.4
 115 62.9 47.1 70.7

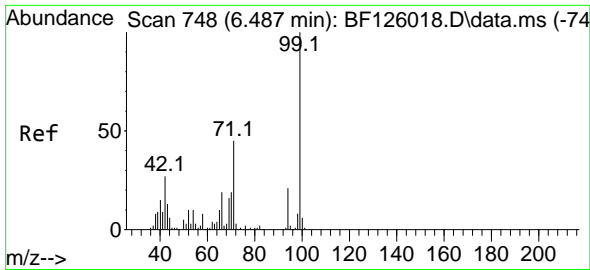


#5
 2-Fluorophenol
 Concen: 23.232 ng
 RT: 5.451 min Scan# 572
 Delta R.T. -0.012 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27



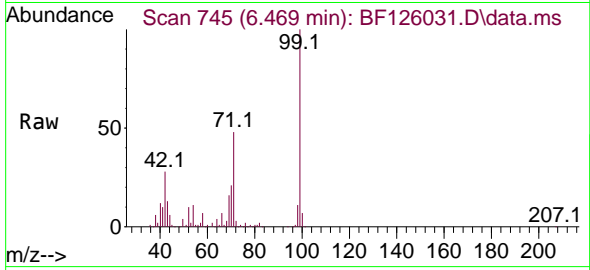
Tgt Ion:112 Resp: 179827
 Ion Ratio Lower Upper
 112 100
 64 77.8 44.2 66.2#
 63 44.9 26.2 39.2#



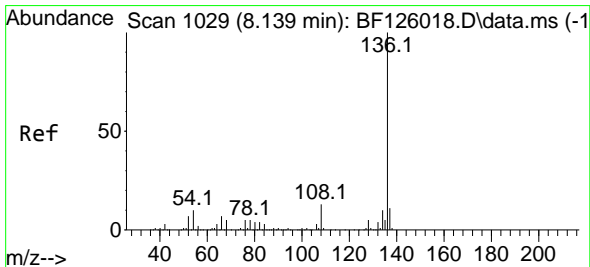
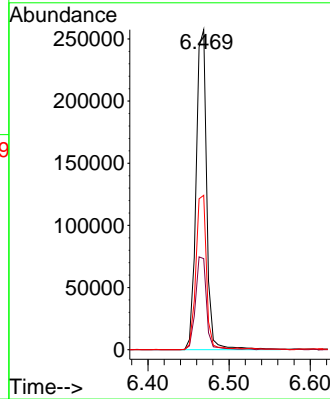
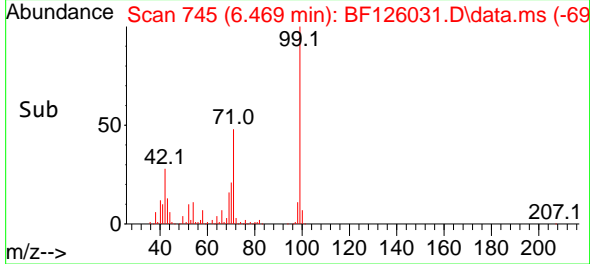


#7
 Phenol-d6
 Concen: 21.568 ng
 RT: 6.469 min Scan# 748
 Delta R.T. -0.018 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

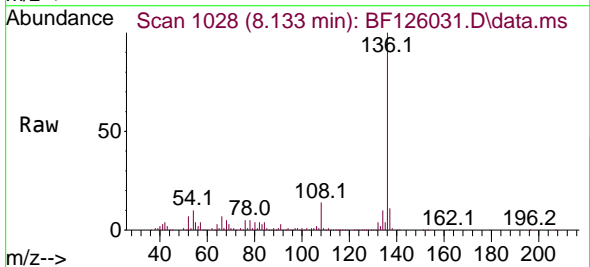
Instrument :
 BNA_F
 ClientSampleId :



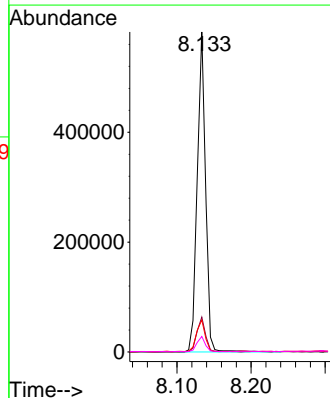
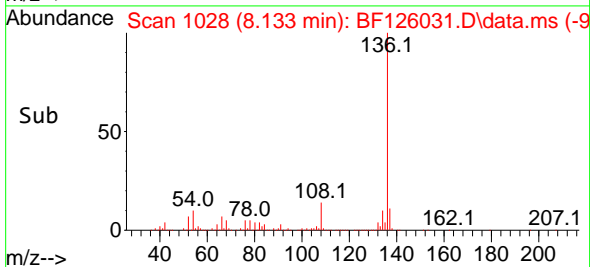
Tgt Ion: 99 Resp: 235347
 Ion Ratio Lower Upper
 99 100
 42 28.5 23.5 35.3
 71 48.3 25.6 38.4#

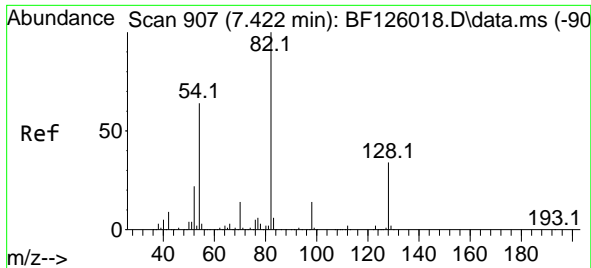


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.133 min Scan# 1028
 Delta R.T. -0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27



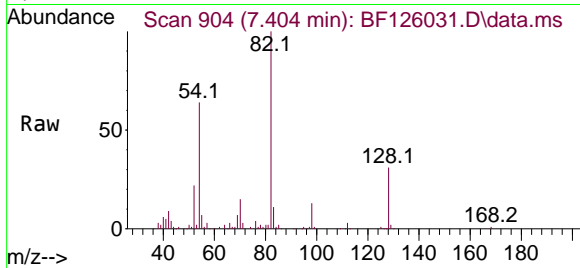
Tgt Ion:136 Resp: 454393
 Ion Ratio Lower Upper
 136 100
 137 10.9 9.8 14.6
 54 10.0 6.4 9.6#
 68 4.9 3.3 4.9



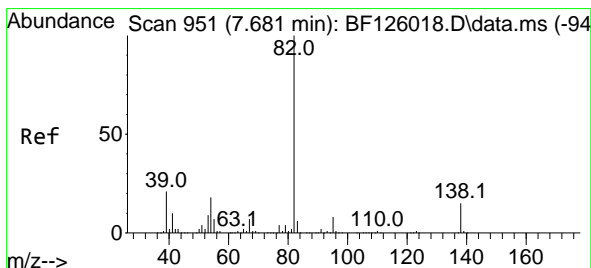
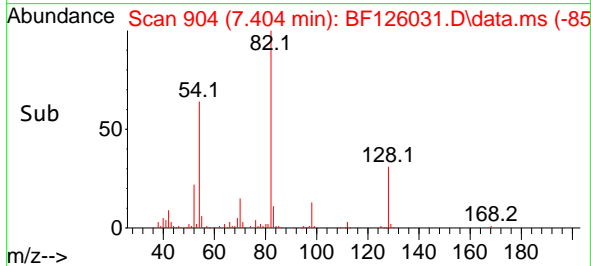
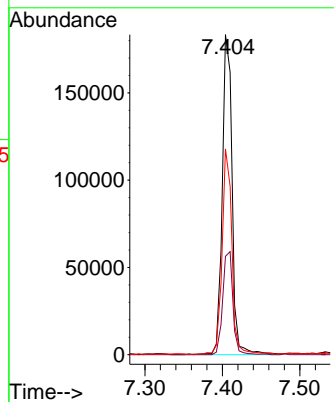


#23
 Nitrobenzene-d5
 Concen: 16.857 ng
 RT: 7.404 min Scan# 904
 Delta R.T. -0.018 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

Instrument :
 BNA_F
 ClientSampleId :

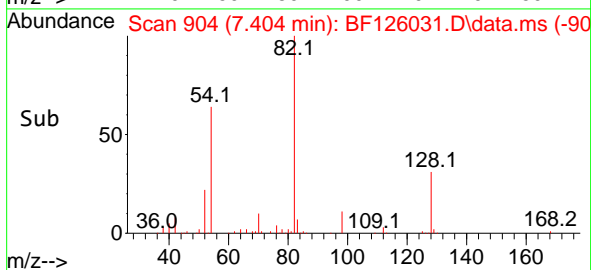
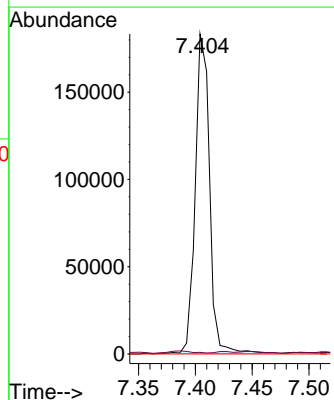
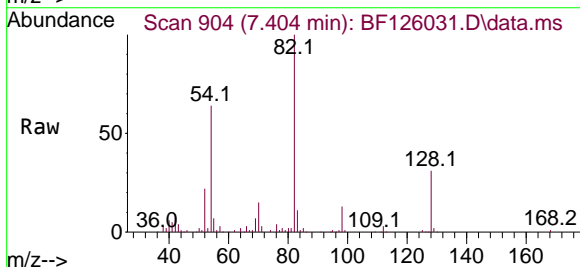


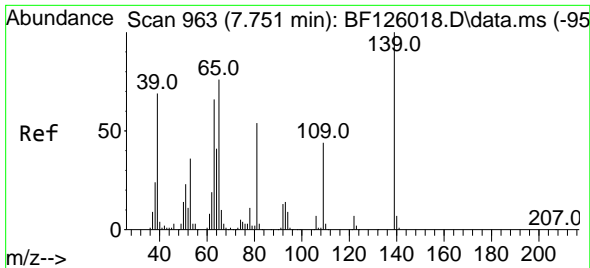
Tgt Ion: 82 Resp: 162420
 Ion Ratio Lower Upper
 82 100
 128 30.7 40.6 60.8#
 54 64.3 49.6 74.4



#25
 Isophorone
 Concen: 9.198 ng
 RT: 7.404 min Scan# 904
 Delta R.T. -0.277 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

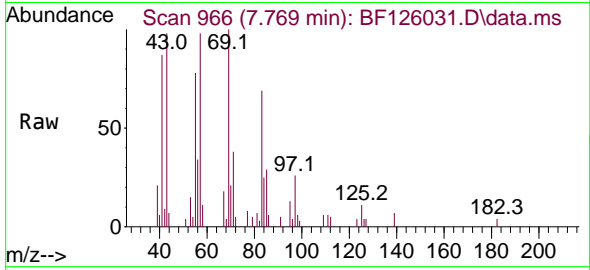
Tgt Ion: 82 Resp: 159568
 Ion Ratio Lower Upper
 82 100
 95 0.5 6.5 9.7#
 138 0.0 18.4 27.6#



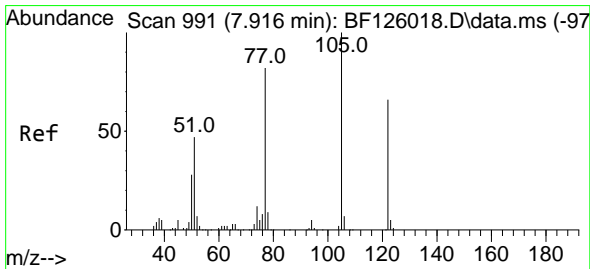
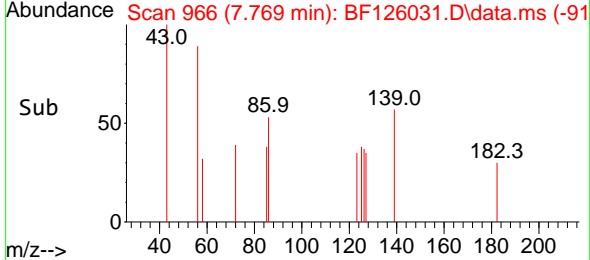
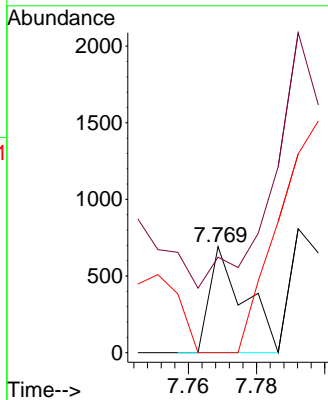


#26
 2-Nitrophenol
 Concen: 4.759 ng
 RT: 7.769 min Scan# 90
 Delta R.T. 0.018 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

Instrument :
 BNA_F
 ClientSampleId :

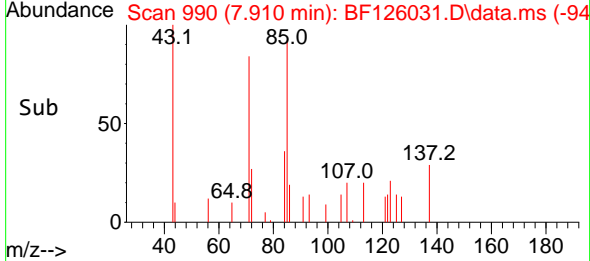
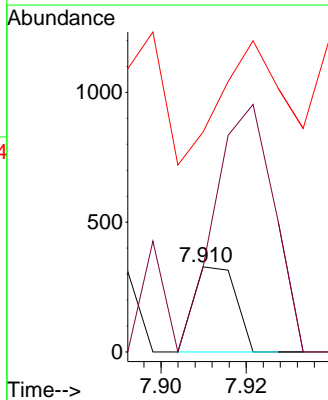
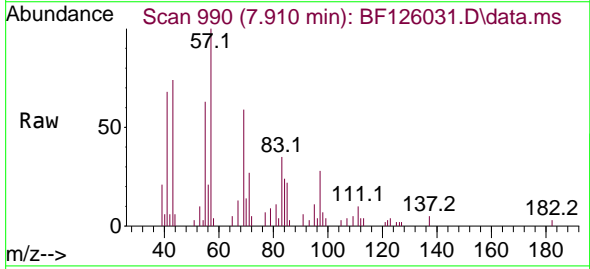


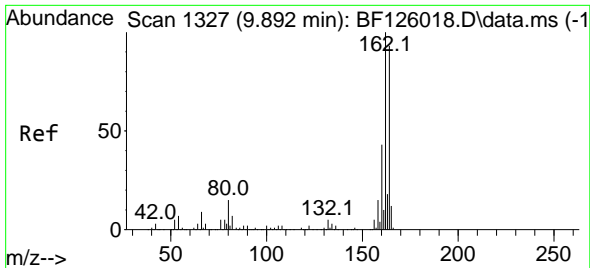
Tgt Ion	Resp	Lower	Upper
139	100		
109	90.0	26.0	39.0#
65	0.0	31.0	46.4#



#32
 Benzoic acid
 Concen: 9.189 ng
 RT: 7.910 min Scan# 990
 Delta R.T. -0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

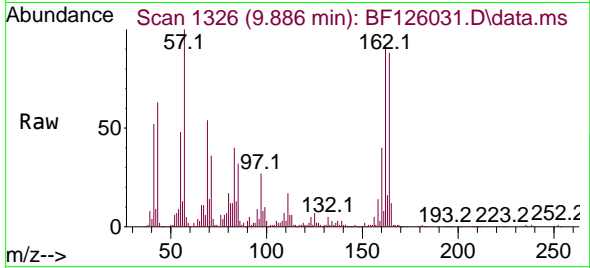
Tgt Ion	Resp	Lower	Upper
122	100		
105	98.8	97.6	137.6
77	258.2	59.6	99.6#





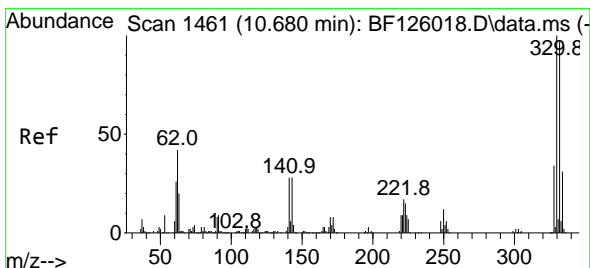
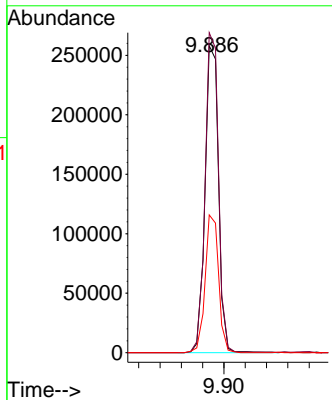
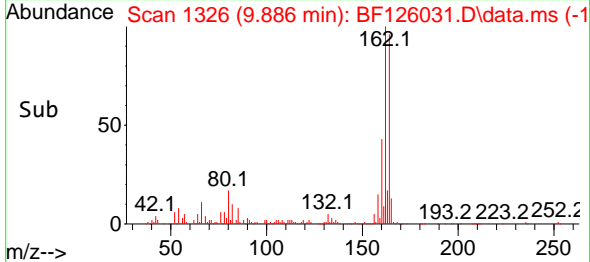
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.886 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

Instrument :
 BNA_F
 ClientSampleId :

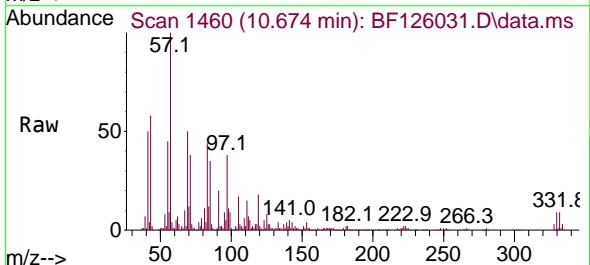


Tgt Ion:164 Resp: 227860

Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.3	121.9
160	44.9	38.0	57.0

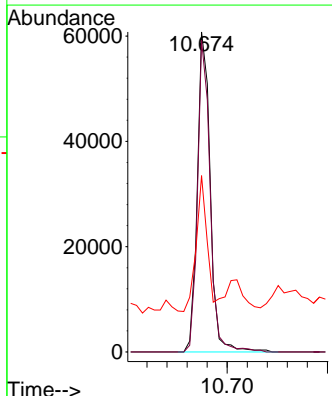
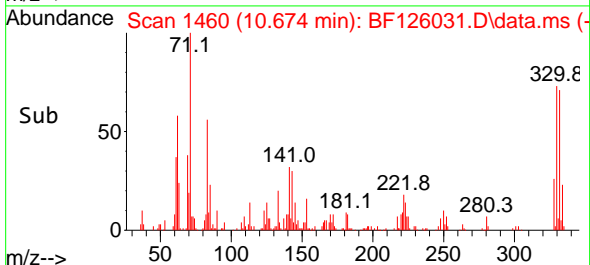


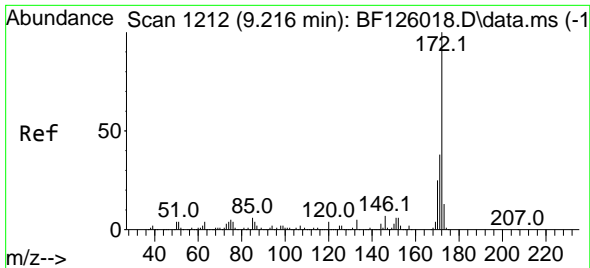
#42
 2,4,6-Tribromophenol
 Concen: 20.954 ng
 RT: 10.674 min Scan# 1460
 Delta R.T. -0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27



Tgt Ion:330 Resp: 54717

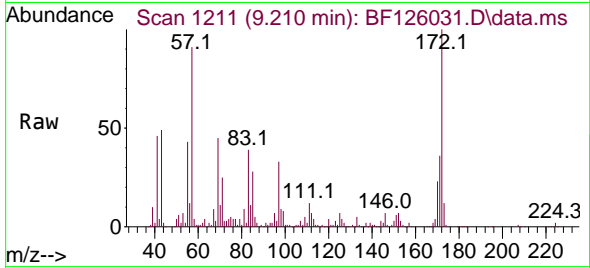
Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.2	114.4
141	36.8	44.6	66.8#



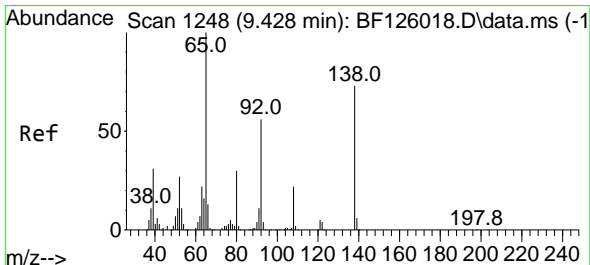
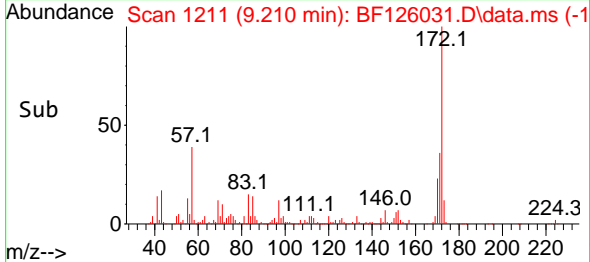
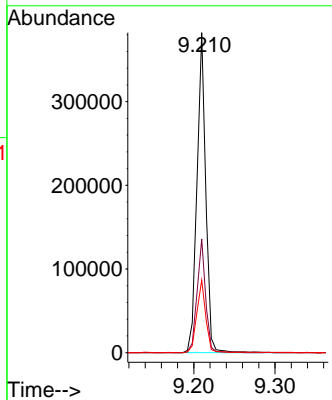


#45
 2-Fluorobiphenyl
 Concen: 17.207 ng
 RT: 9.210 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

Instrument :
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 ClientSampleId :

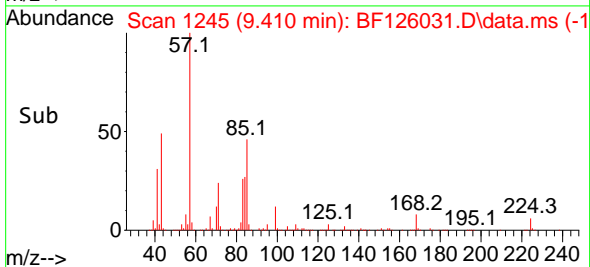
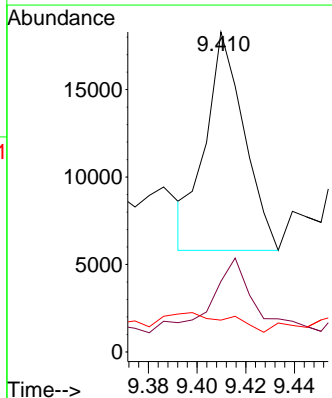
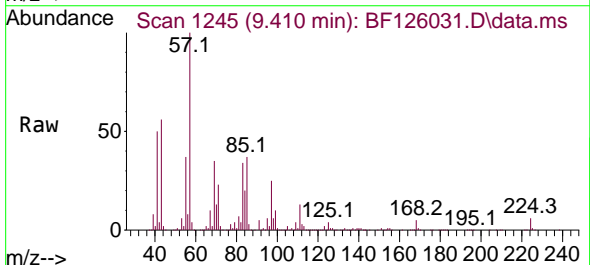


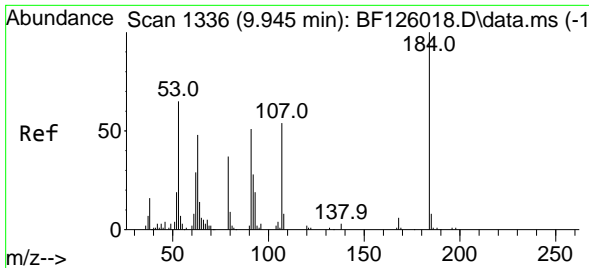
Tgt Ion:172 Resp: 290128
 Ion Ratio Lower Upper
 172 100
 171 35.5 26.5 39.7
 170 22.7 18.8 28.2



#48
 2-Nitroaniline
 Concen: 5.695 ng
 RT: 9.410 min Scan# 1245
 Delta R.T. -0.018 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

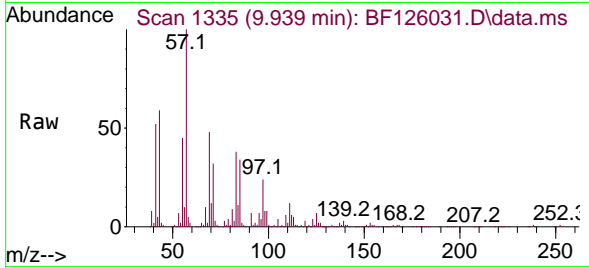
Tgt Ion: 65 Resp: 13718
 Ion Ratio Lower Upper
 65 100
 92 22.0 55.5 83.3#
 138 9.9 93.5 140.3#



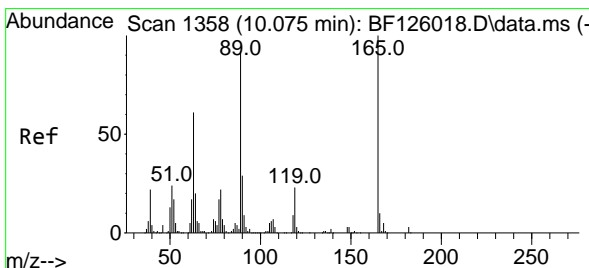
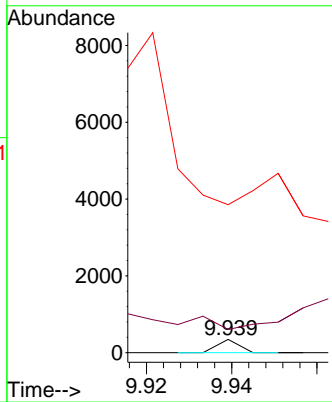
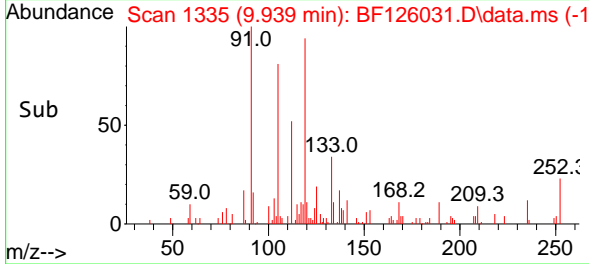


#54
 2,4-Dinitrophenol
 Concen: 6.831 ng
 RT: 9.939 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

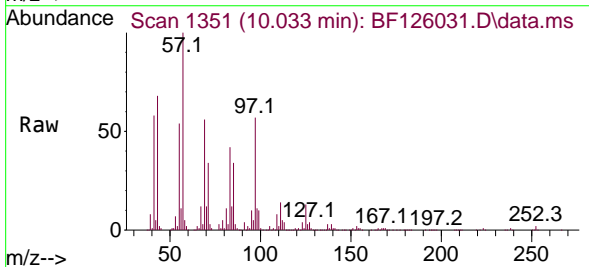
Instrument :
 BNA_F
 ClientSampleId :



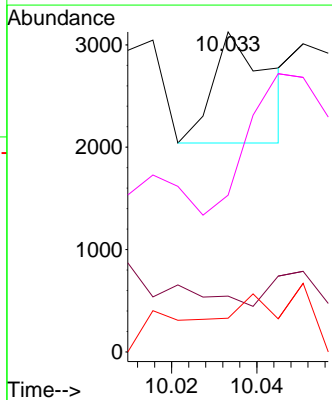
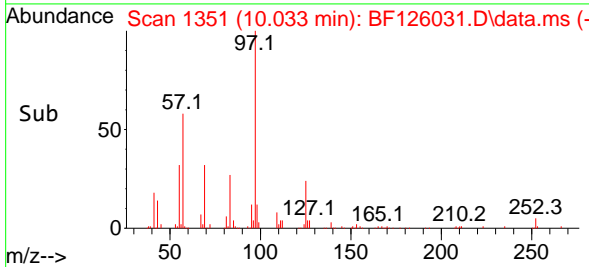
Tgt Ion:184 Resp: 122
 Ion Ratio Lower Upper
 184 100
 63 175.7 59.3 88.9#
 154 1117.4 68.6 102.8#

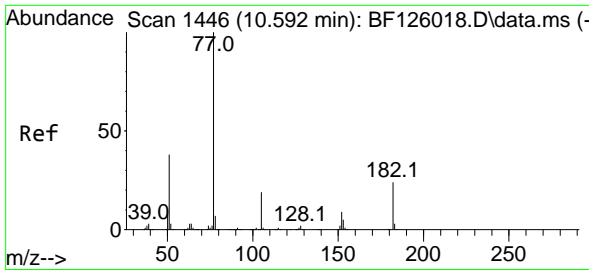


#57
 2,4-Dinitrotoluene
 Concen: 3.389 ng
 RT: 10.033 min Scan# 1351
 Delta R.T. -0.042 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27



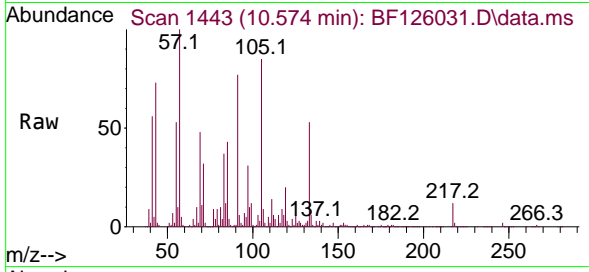
Tgt Ion:165 Resp: 983
 Ion Ratio Lower Upper
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 63 17.5 40.9 61.3#
 89 10.6 59.7 89.5#
 182 49.0 0.0 0.0#



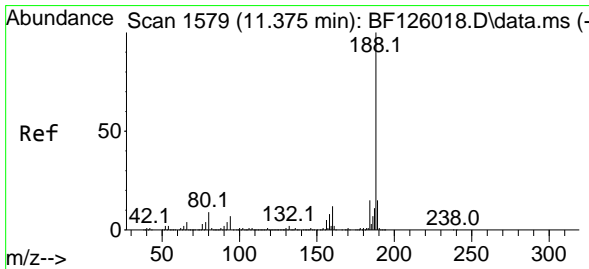
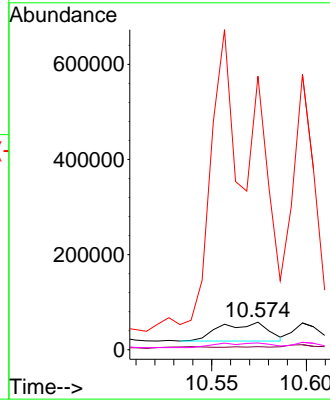
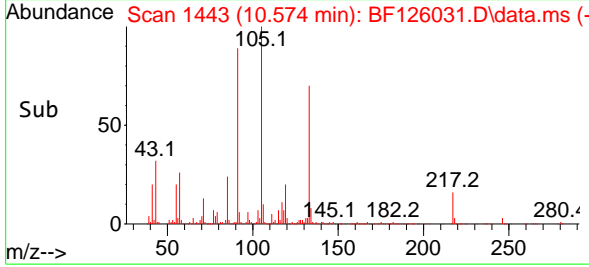


#63
 Azobenzene
 Concen: 3.795 ng
 RT: 10.574 min Scan# 1443
 Delta R.T. -0.018 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

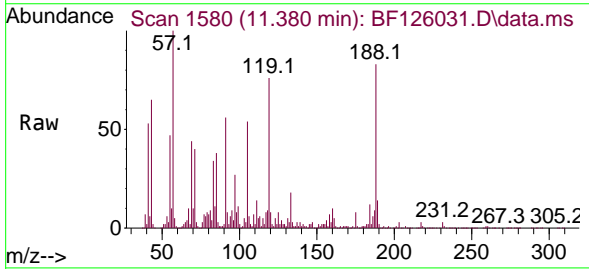
Instrument : BNA_F
 ClientSampleId :



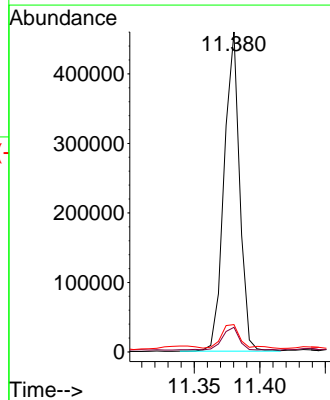
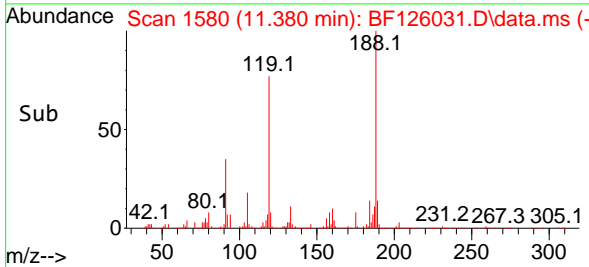
Tgt Ion	Resp	Lower	Upper
77	68550		
182	11.3	6.3	46.3
105	993.9	2.9	42.9#
51	24.7	24.1	64.1

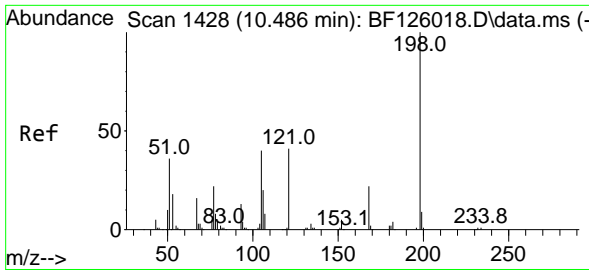


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.380 min Scan# 1580
 Delta R.T. 0.005 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27



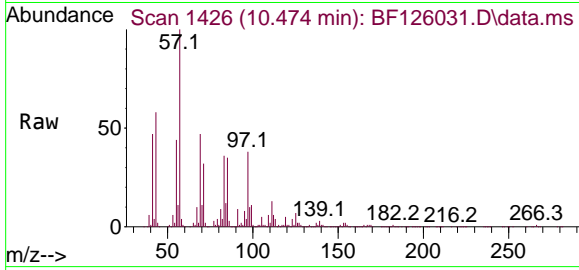
Tgt Ion	Resp	Lower	Upper
188	377135		
94	7.7	6.7	10.1
80	8.6	7.5	11.3



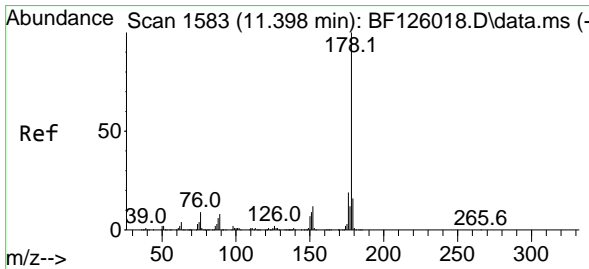
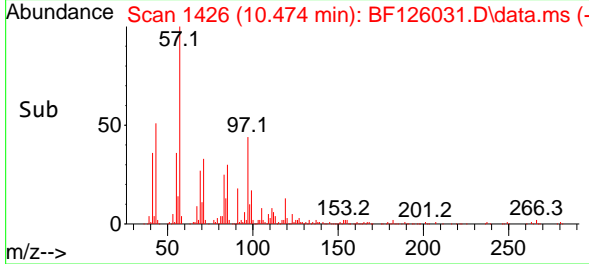
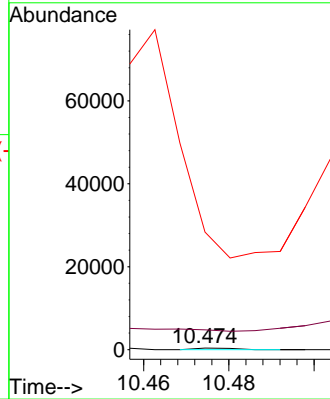


#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.428 ng
 RT: 10.474 min Scan# 14
 Delta R.T. -0.012 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

Instrument :
 BNA_F
 ClientSampleId :

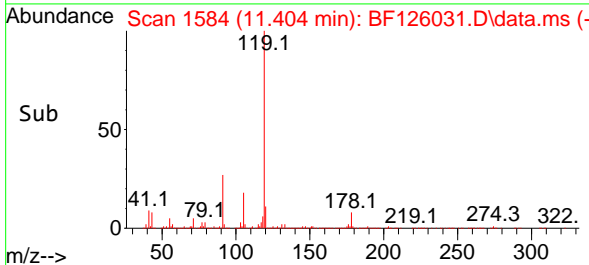
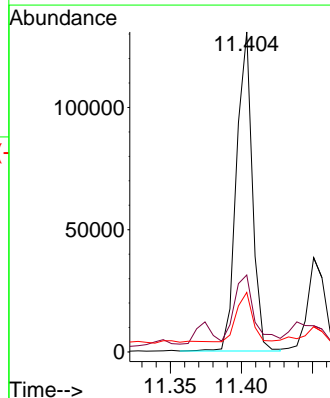
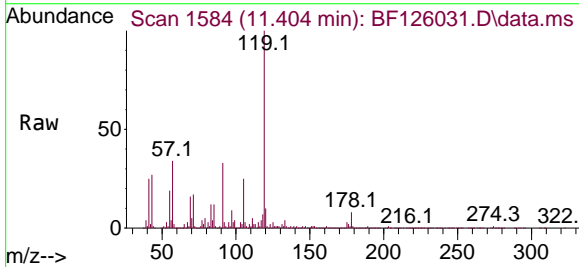


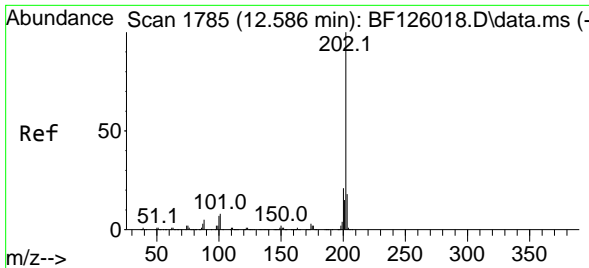
Tgt Ion:198 Resp: 244
 Ion Ratio Lower Upper
 198 100
 51 1232.8 45.3 85.3#
 105 7328.2 30.6 70.6#



#71
 Phenanthrene
 Concen: 4.949 ng
 RT: 11.404 min Scan# 1584
 Delta R.T. 0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

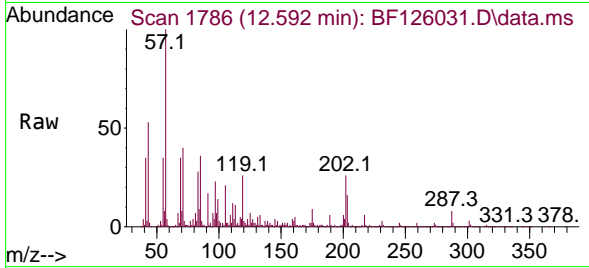
Tgt Ion:178 Resp: 101228
 Ion Ratio Lower Upper
 178 100
 176 24.0 14.7 22.1#
 179 18.6 11.5 17.3#



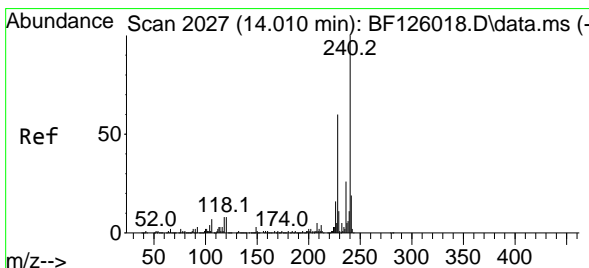
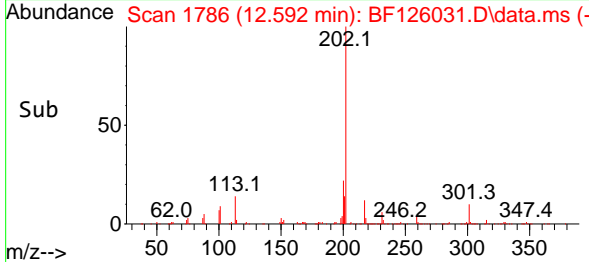
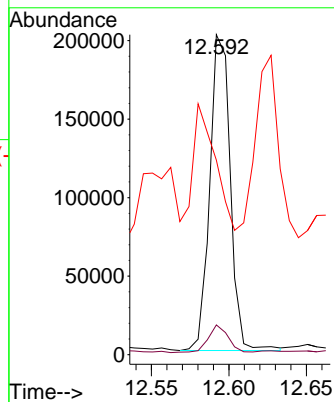


#75
 Fluoranthene
 Concen: 8.131 ng
 RT: 12.592 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

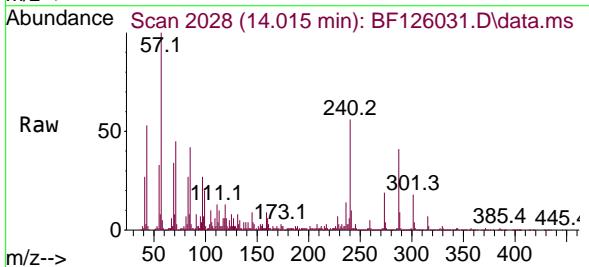
Instrument :
 BNA_F
 ClientSampleId :



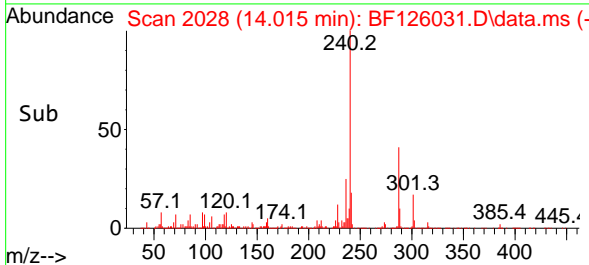
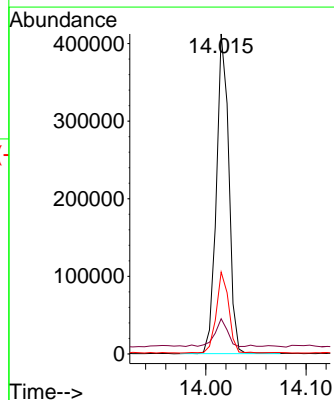
Tgt Ion:202 Resp: 185178
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 30.7
 203 60.8 0.0 36.3#

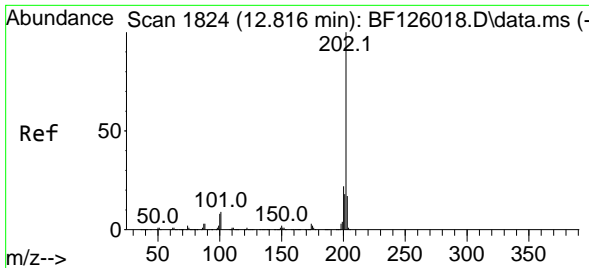


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.015 min Scan# 2028
 Delta R.T. 0.005 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27



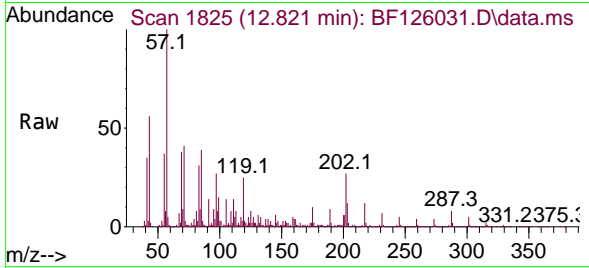
Tgt Ion:240 Resp: 354556
 Ion Ratio Lower Upper
 240 100
 120 11.0 10.8 16.2
 236 25.6 21.6 32.4



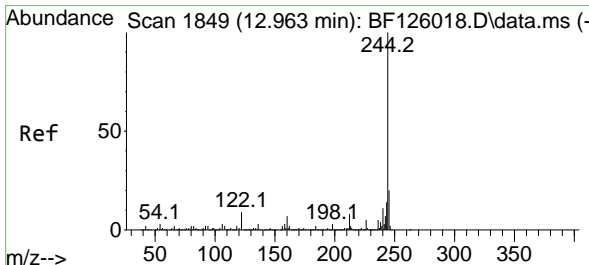
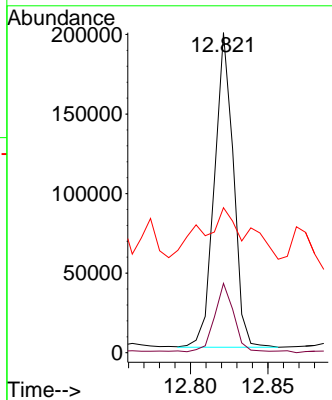
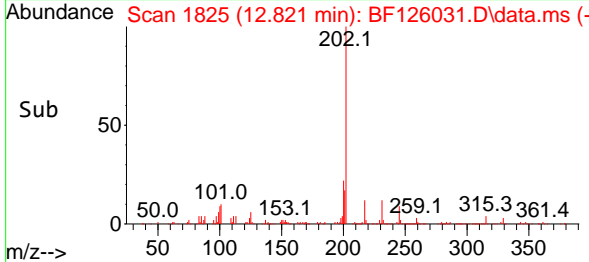


#78
 Pyrene
 Concen: 5.931 ng
 RT: 12.821 min Scan# 1825
 Delta R.T. 0.005 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

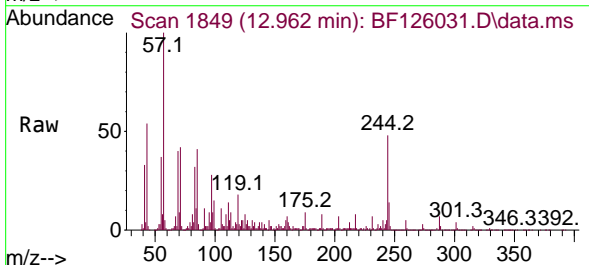
Instrument :
 BNA_F
 ClientSampleId :



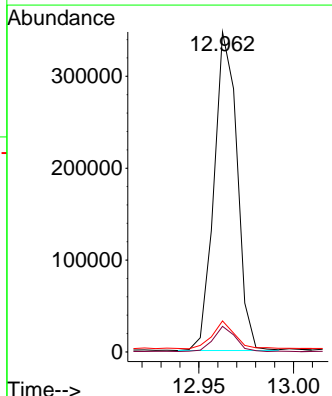
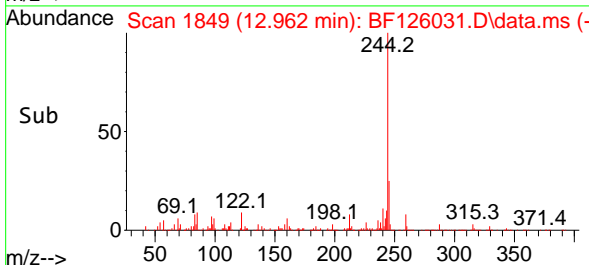
Tgt Ion:202 Resp: 168651
 Ion Ratio Lower Upper
 202 100
 200 21.7 15.3 22.9
 203 45.3 13.4 20.0#

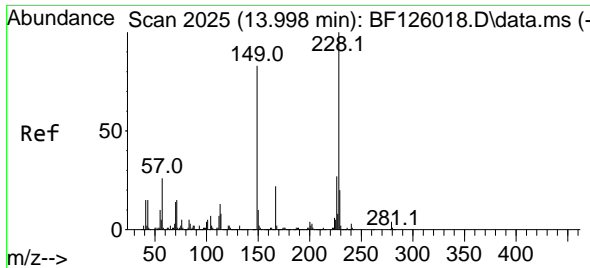


#79
 Terphenyl-d14
 Concen: 13.393 ng
 RT: 12.962 min Scan# 1849
 Delta R.T. -0.001 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27



Tgt Ion:244 Resp: 294469
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.9 8.9
 122 9.7 9.0 13.4

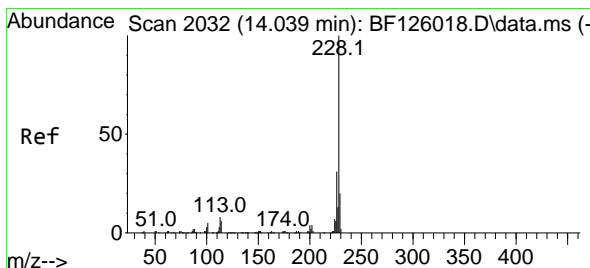
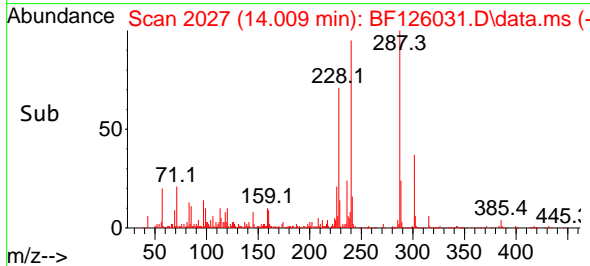
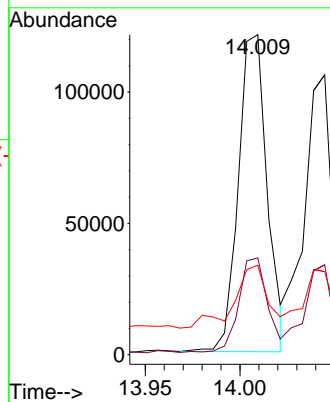
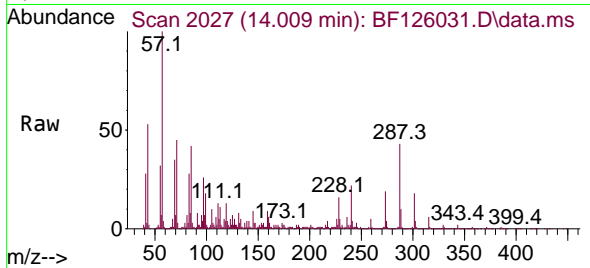




#81
 Benzo(a)anthracene
 Concen: 5.258 ng
 RT: 14.009 min Scan# 2027
 Delta R.T. 0.011 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

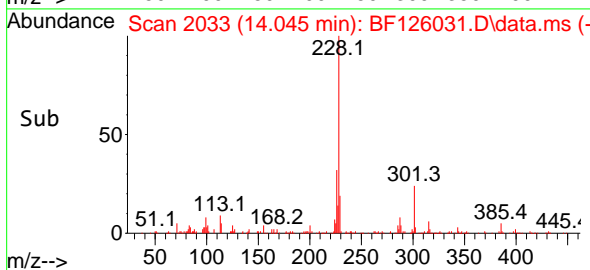
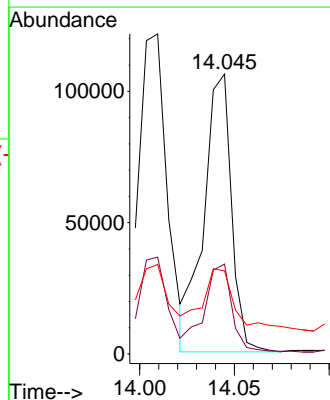
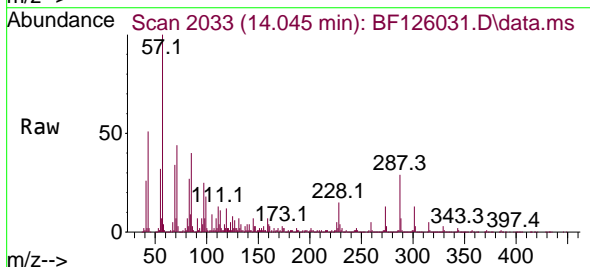
Instrument : BNA_F
 ClientSampleId :

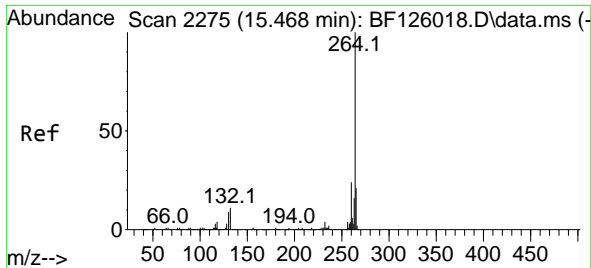
Tgt Ion:228 Resp: 128081
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.6 32.4
 229 27.9 15.6 23.4#



#83
 Chrysene
 Concen: 4.767 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

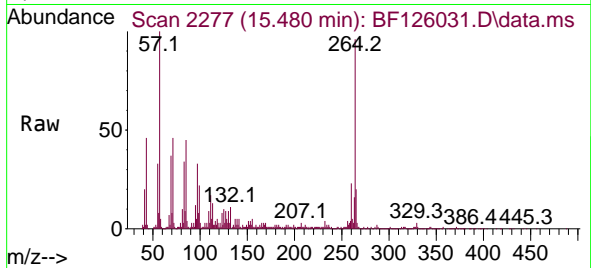
Tgt Ion:228 Resp: 108046
 Ion Ratio Lower Upper
 228 100
 226 32.1 22.6 34.0
 229 29.7 15.9 23.9#





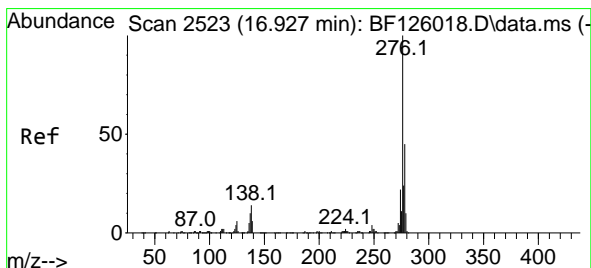
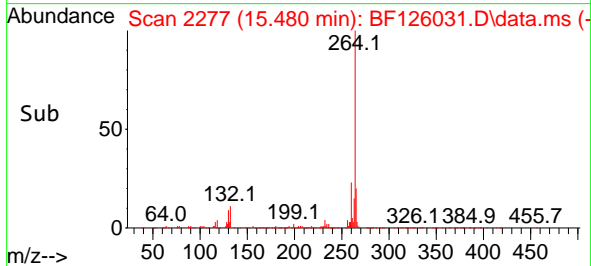
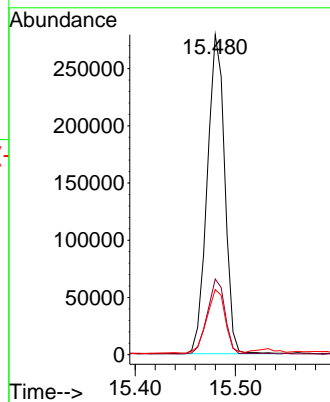
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.480 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:264 Resp: 339034

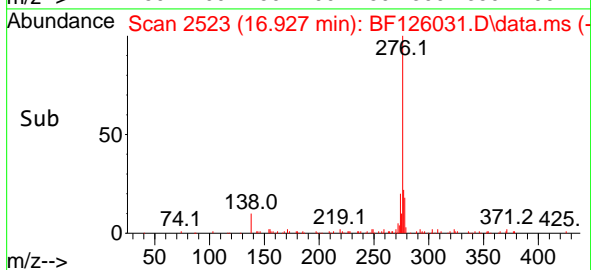
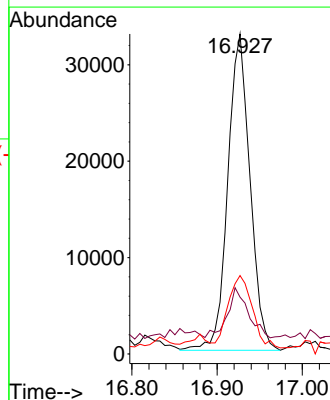
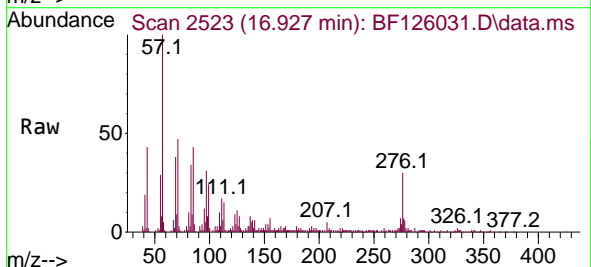
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	20.4	17.2	25.8

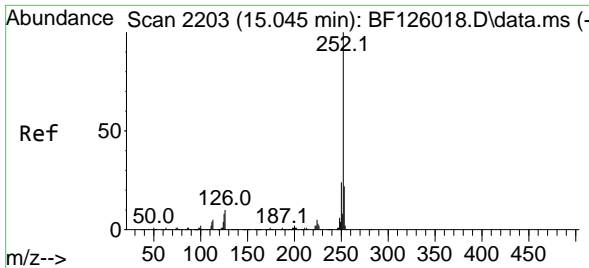


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.965 ng
 RT: 16.927 min Scan# 2523
 Delta R.T. -0.000 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

Tgt Ion:276 Resp: 59493

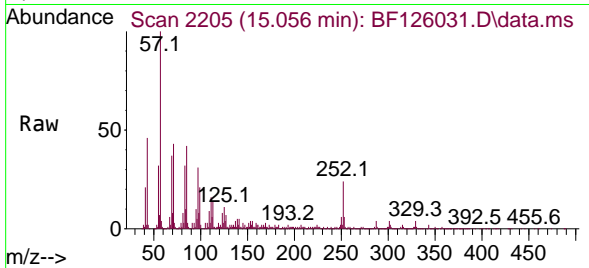
Ion	Ratio	Lower	Upper
276	100		
138	15.5	24.1	36.1#
277	24.5	18.8	28.2



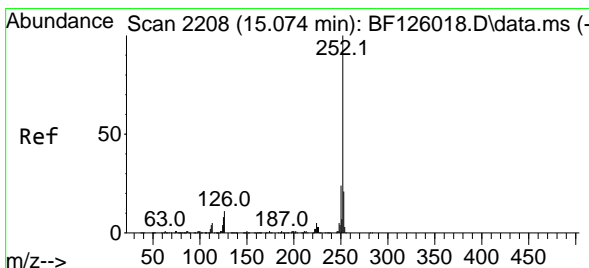
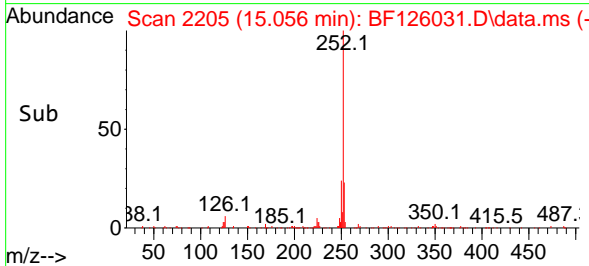
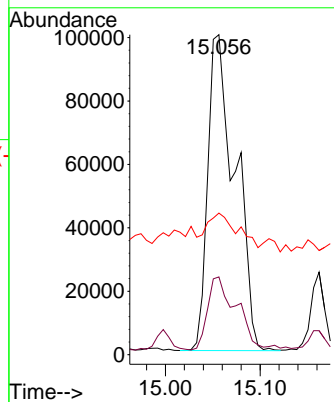


#88
 Benzo(b)fluoranthene
 Concen: 9.092 ng
 RT: 15.056 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

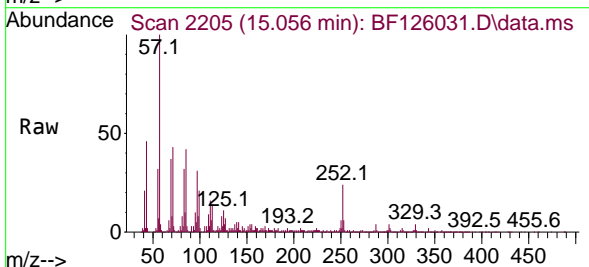
Instrument :
 BNA_F
 ClientSampleId :



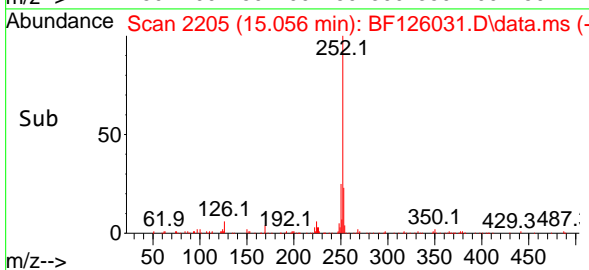
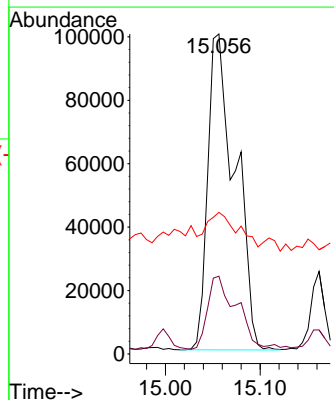
Tgt Ion:252 Resp: 200506
 Ion Ratio Lower Upper
 252 100
 253 24.3 16.8 25.2
 125 44.3 9.8 14.8#

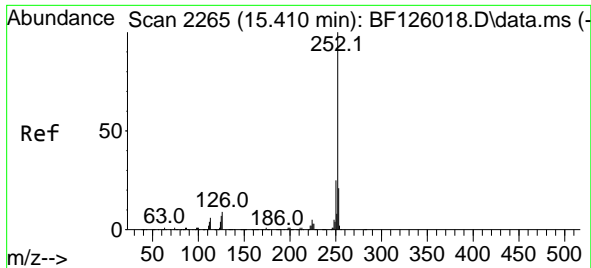


#89
 Benzo(k)fluoranthene
 Concen: 9.373 ng
 RT: 15.056 min Scan# 2205
 Delta R.T. -0.018 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27



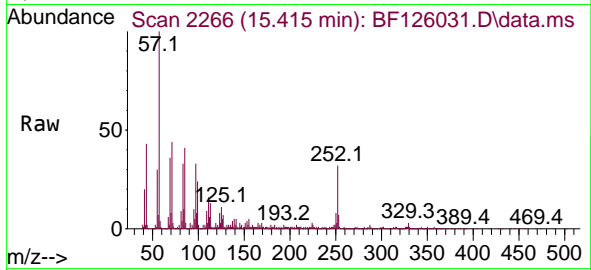
Tgt Ion:252 Resp: 200506
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.8 26.8
 125 44.3 7.2 10.8#





#90
 Benzo(a)pyrene
 Concen: 6.552 ng
 RT: 15.415 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BF126031.D
 Acq: 3 Nov 2021 21:27

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:252 Resp: 113826
 Ion Ratio Lower Upper
 252 100
 253 21.8 18.4 27.6
 125 35.8 9.9 14.9#

