

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
 Data File : BF123469.D
 Acq On : 25 Mar 2021 19:18
 Operator : JU/CG
 Sample : M1720-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2A-(0.5-1.0)

Quant Time: Mar 26 00:39:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 25 17:06:59 2021
 Response via : Initial Calibration

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

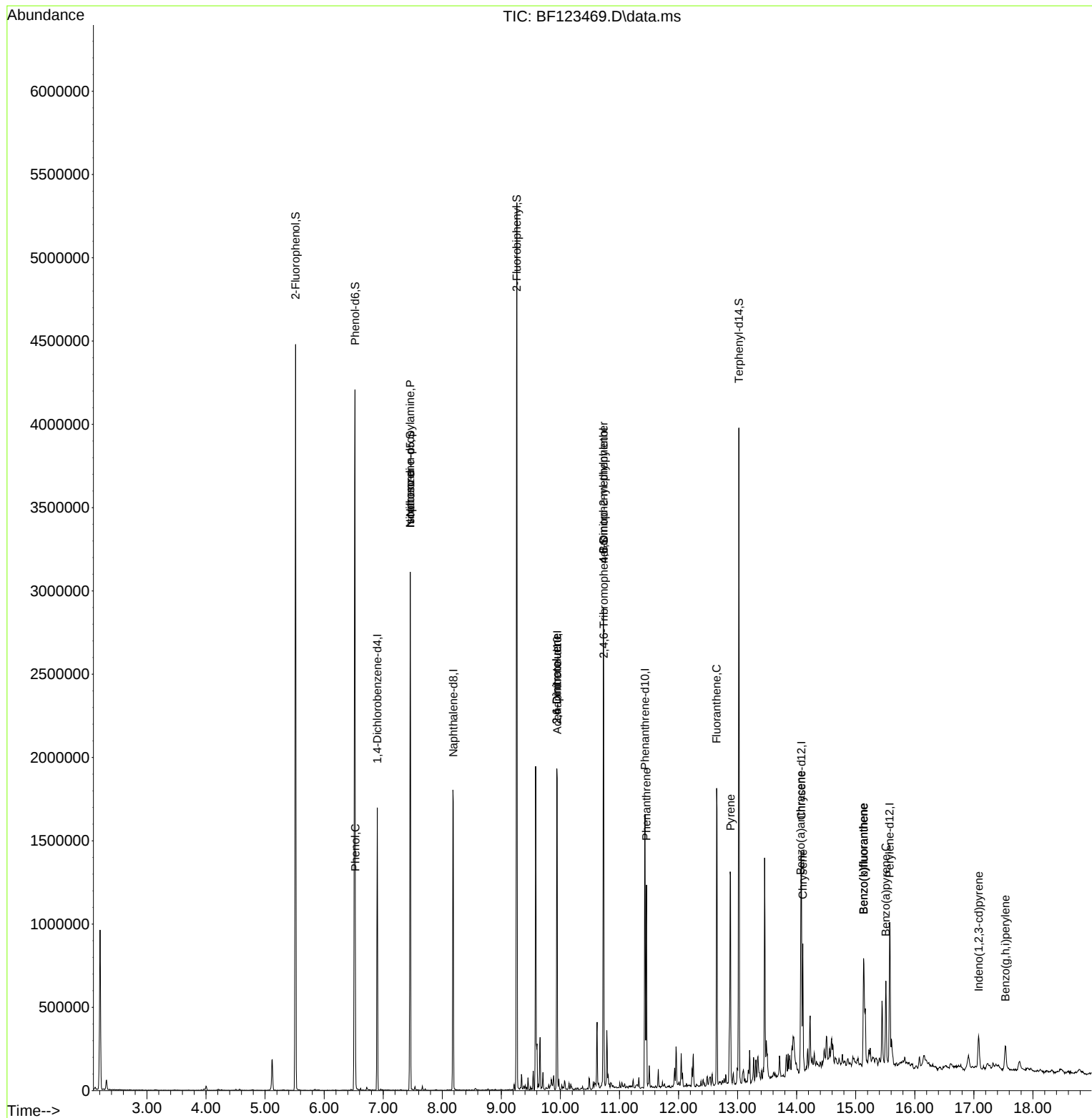
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	215687	20.00	ng	0.00
21) Naphthalene-d8	8.187	136	784344	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	407276	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	606045	20.00	ng	0.00
76) Chrysene-d12	14.080	240	367787	20.00	ng	0.00
86) Perylene-d12	15.574	264	401343	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1059691	80.38	ng	0.00
7) Phenol-d6	6.522	99	1335237	76.08	ng	0.00
23) Nitrobenzene-d5	7.457	82	889054	61.18	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	329434	72.35	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1559897	54.72	ng	0.00
79) Terphenyl-d14	13.022	244	1200618	55.32	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.445	77	327	Below Cal		93
10) Phenol	6.528	94	41166	2.29 ng		79
19) n-Nitroso-di-n-propyla...	7.457	70	121536	10.71 ng	#	82
25) Isophorone	7.457	82	886538	28.37 ng	#	65
51) 2,6-Dinitrotoluene	9.939	165	53177	8.80 ng	#	31
57) 2,4-Dinitrotoluene	9.939	165	53177	7.05 ng	#	25
65) 4,6-Dinitro-2-methylph...	10.728	198	670	5.31 ng	#	1
67) 4-Bromophenyl-phenylether	10.728	248	19155	2.67 ng	#	1
71) Phenanthrene	11.457	178	419111	12.51 ng		97
75) Fluoranthene	12.645	202	734013	20.23 ng		98
78) Pyrene	12.880	202	568825	17.93 ng		98
81) Benzo(a)anthracene	14.069	228	226463	9.41 ng		98
83) Chrysene	14.104	228	290132	11.67 ng		98
87) Indeno(1,2,3-cd)pyrene	17.080	276	135633	5.44 ng		95
88) Benzo(b)fluoranthene	15.133	252	509355	18.40 ng		100
89) Benzo(k)fluoranthene	15.133	252	509355	19.46 ng		99
90) Benzo(a)pyrene	15.510	252	239109	10.00 ng		99
92) Benzo(g,h,i)perylene	17.533	276	122705	5.79 ng		99

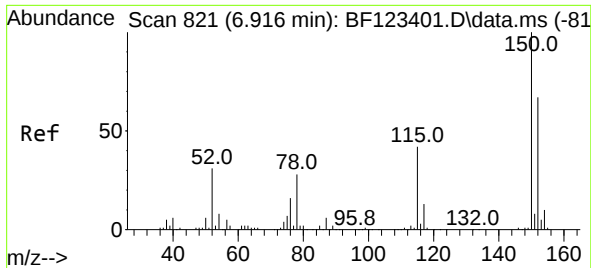
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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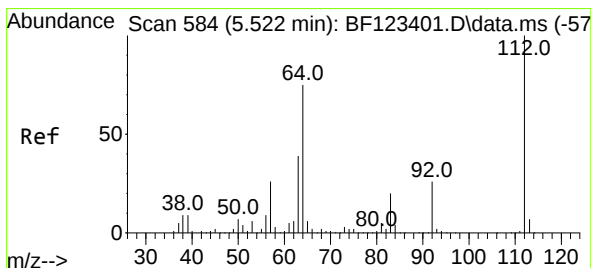
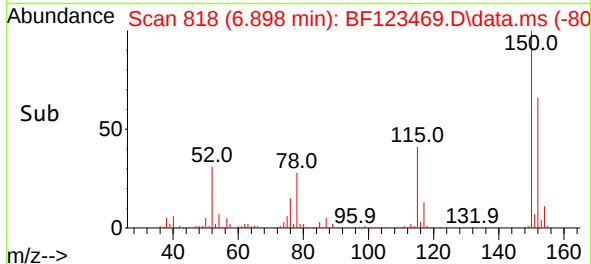
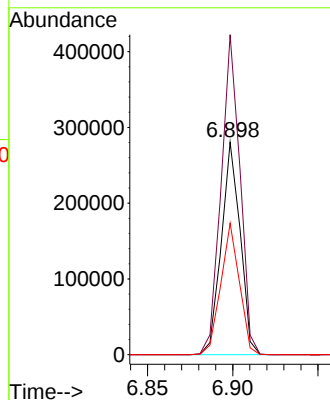
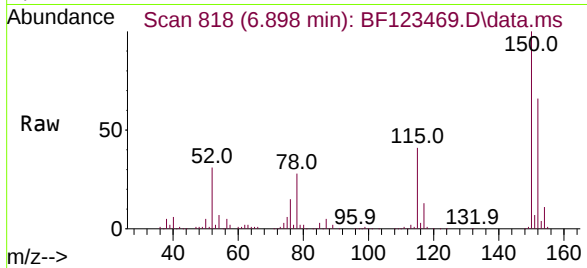




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

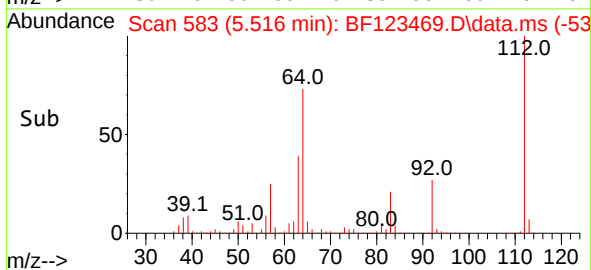
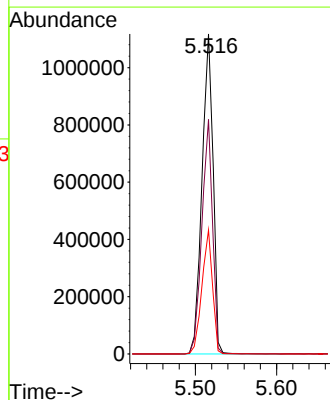
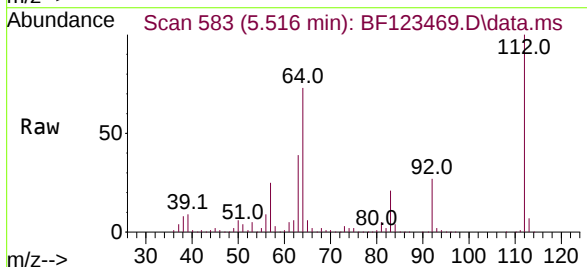
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

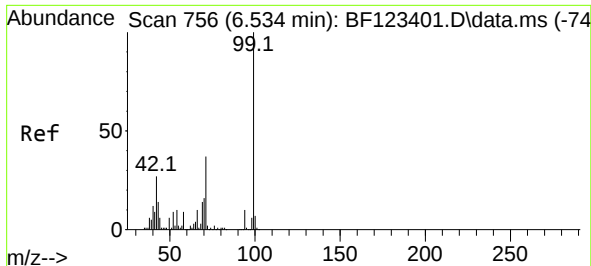
Tgt Ion:152 Resp: 215687
Ion Ratio Lower Upper
152 100
150 150.5 125.8 188.6
115 61.9 49.3 73.9



#5
2-Fluorophenol
Concen: 80.38 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

Tgt Ion:112 Resp: 1059691
Ion Ratio Lower Upper
112 100
64 73.2 46.9 70.3#
63 38.8 24.5 36.7#

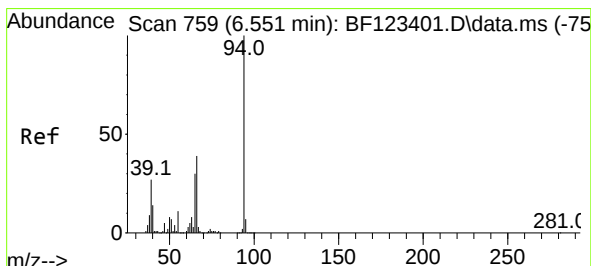
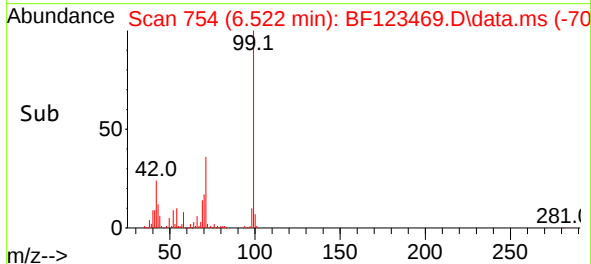
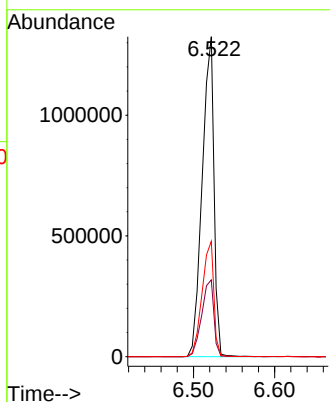
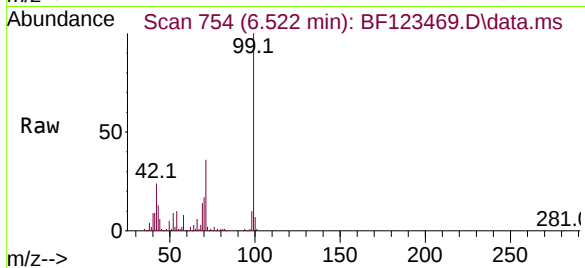




#7
Phenol-d6
Concen: 76.08 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

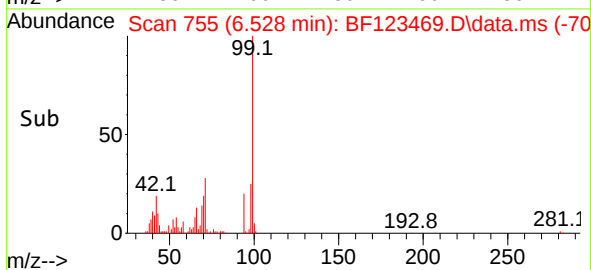
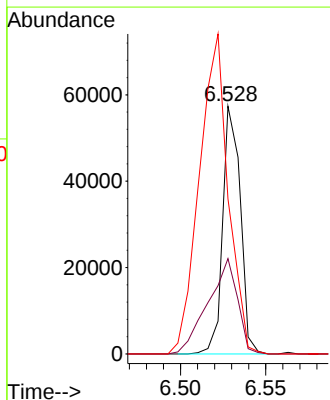
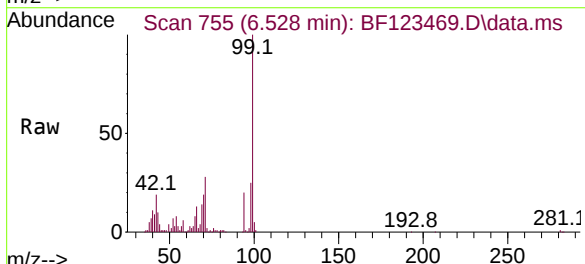
Instrument :
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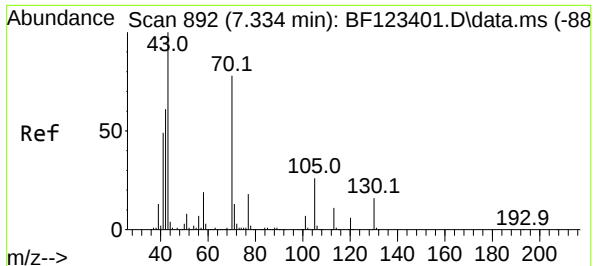
Tgt Ion: 99 Resp: 1335237
Ion Ratio Lower Upper
99 100
42 24.0 13.8 20.6#
71 36.1 26.9 40.3



#10
Phenol
Concen: 2.29 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

Tgt Ion: 94 Resp: 41166
Ion Ratio Lower Upper
94 100
65 38.5 11.2 51.2
66 62.7 25.8 65.8



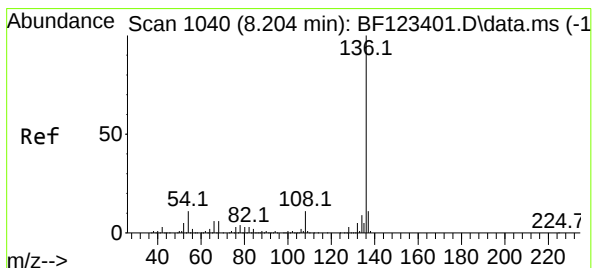
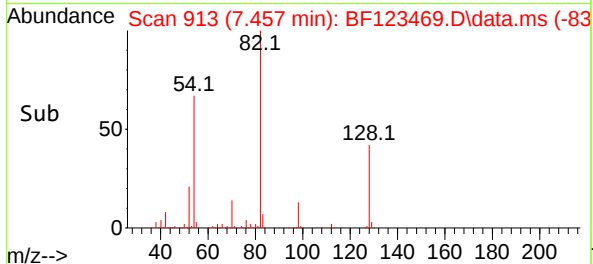
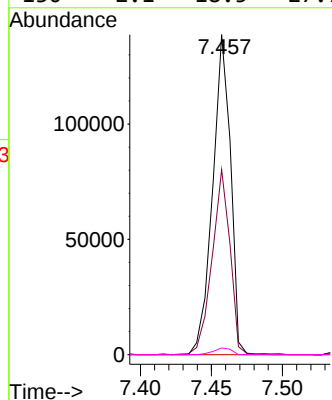
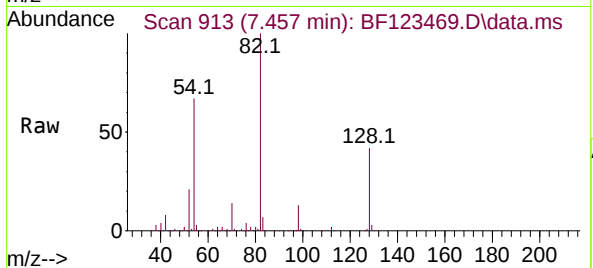


#19

n-Nitroso-di-n-propylamine
Concen: 10.71 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.141 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

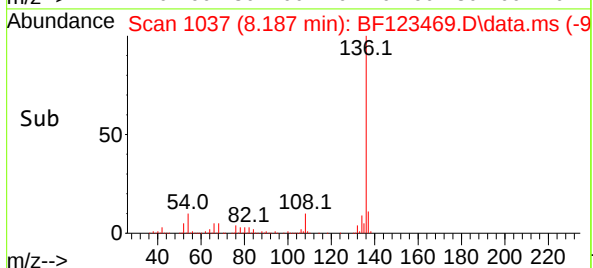
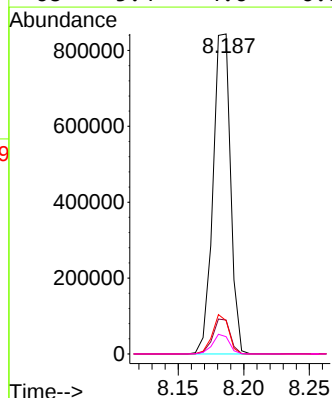
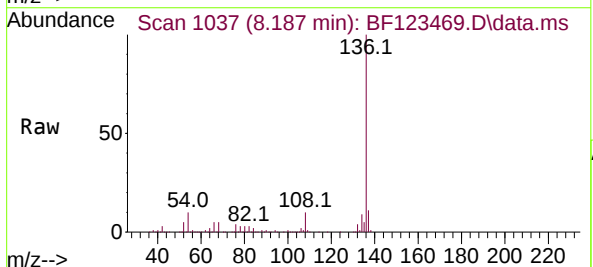
Tgt Ion:	70	Resp:	121536
Ion	Ratio	Lower	Upper
70	100		
42	57.9	43.0	64.4
101	0.0	7.9	11.9#
130	2.1	18.5	27.7#

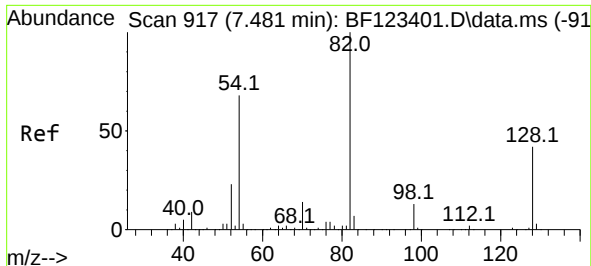


#21

Naphthalene-d8
Concen: 20.00 ng
RT: 8.187 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

Tgt Ion:	136	Resp:	784344
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.4	5.5	8.3#
68	5.4	4.6	6.8

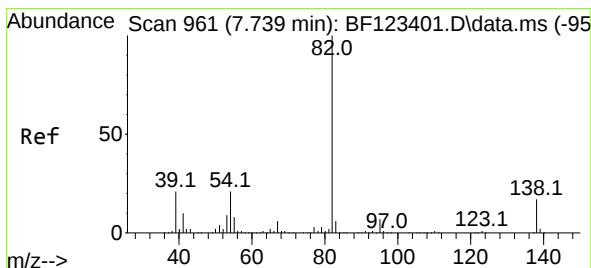
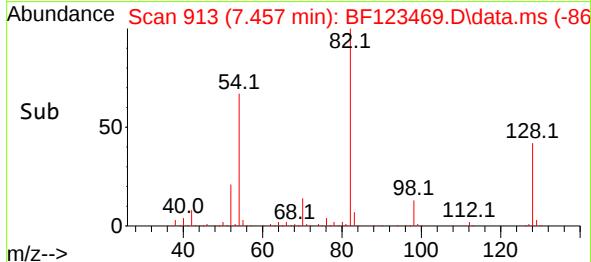
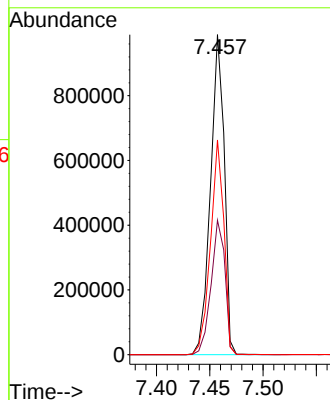
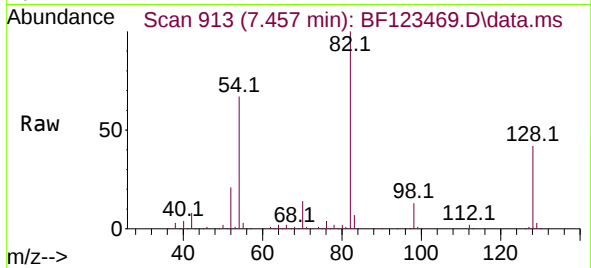




#23
Nitrobenzene-d5
Concen: 61.18 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

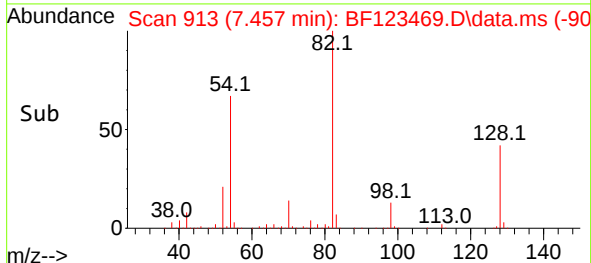
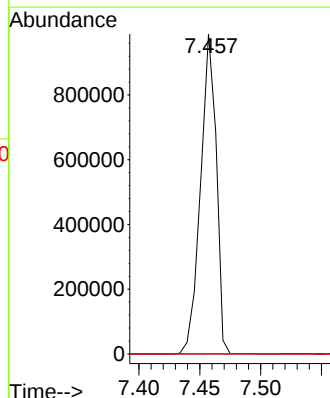
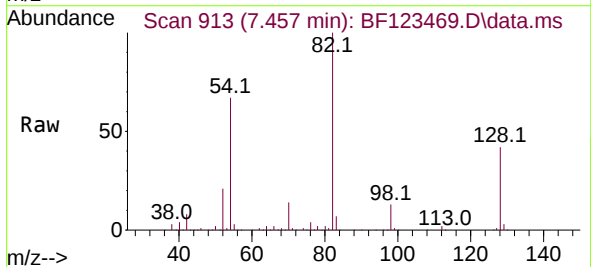
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

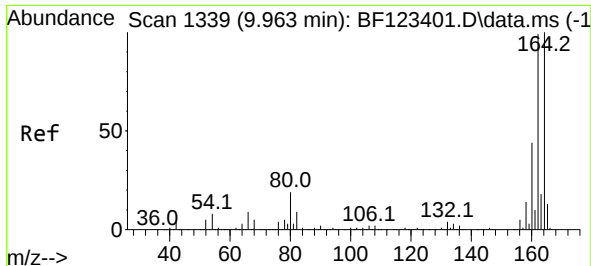
Tgt Ion: 82 Resp: 889054
Ion Ratio Lower Upper
82 100
128 42.0 37.0 55.4
54 67.1 38.4 57.6#



#25
Isophorone
Concen: 28.37 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.265 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

Tgt Ion: 82 Resp: 886538
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

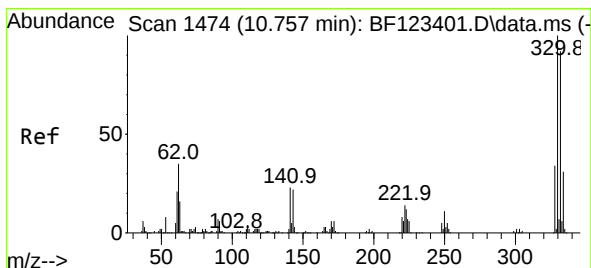
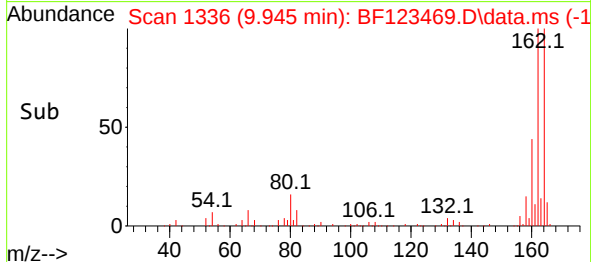
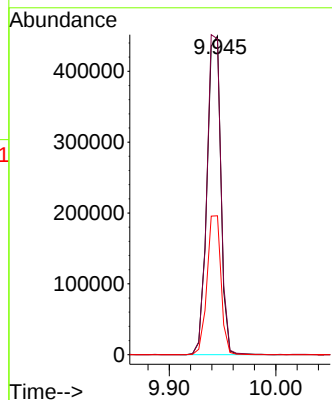
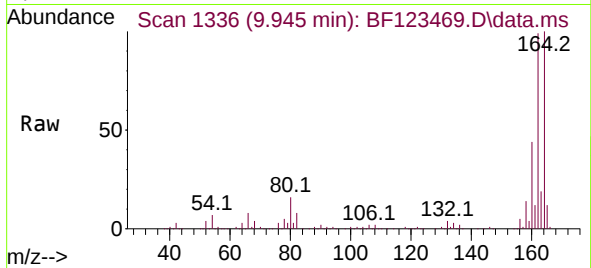




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

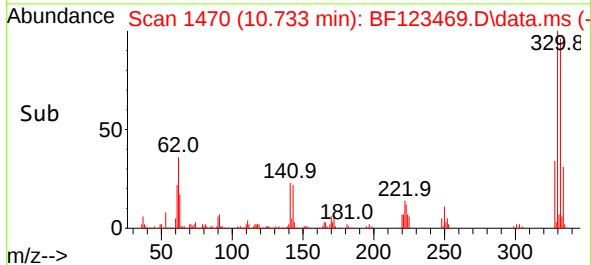
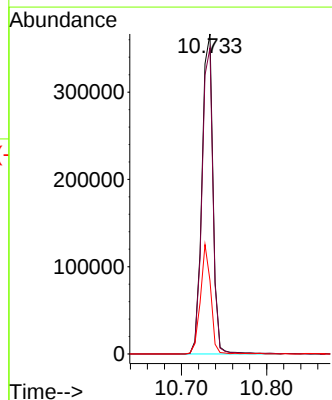
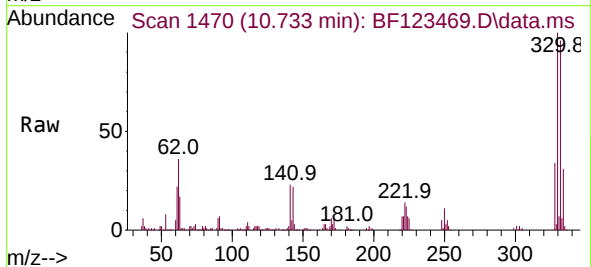
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

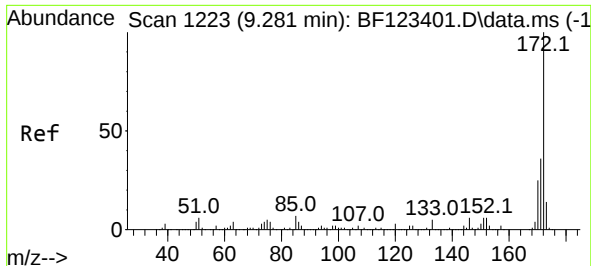
Tgt Ion:164 Resp: 407276
Ion Ratio Lower Upper
164 100
162 99.1 80.8 121.2
160 43.6 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 72.35 ng
RT: 10.733 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

Tgt Ion:330 Resp: 329434
Ion Ratio Lower Upper
330 100
332 95.8 77.5 116.3
141 31.8 23.8 35.8

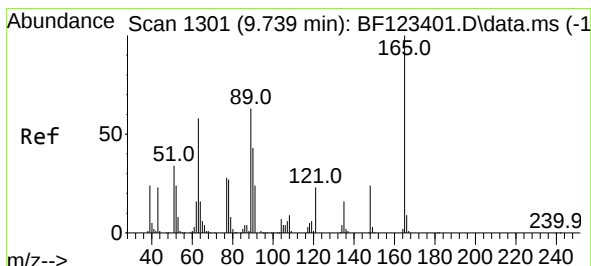
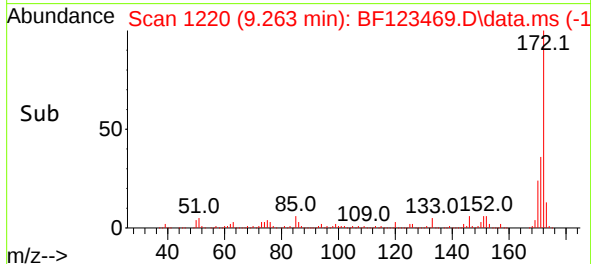
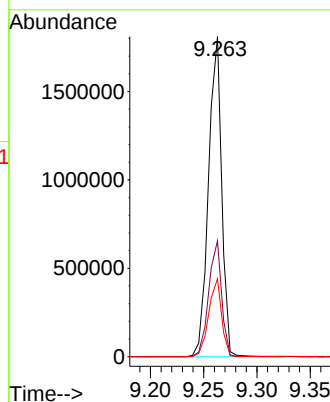
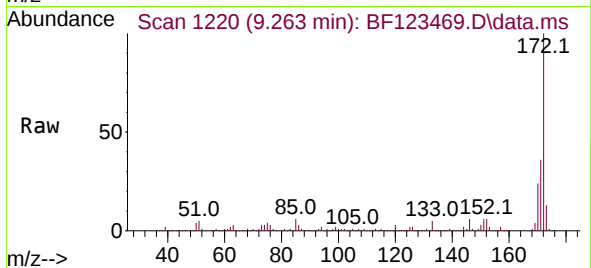




#45
2-Fluorobiphenyl
Concen: 54.72 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

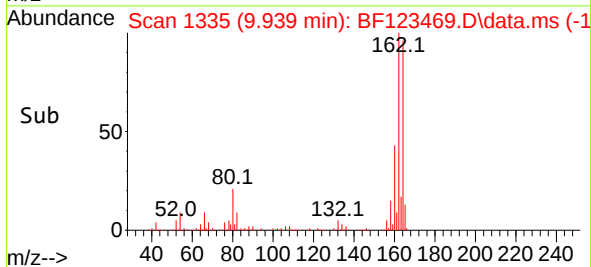
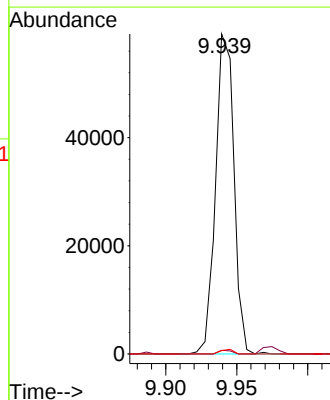
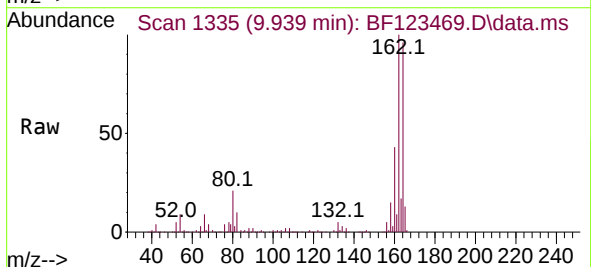
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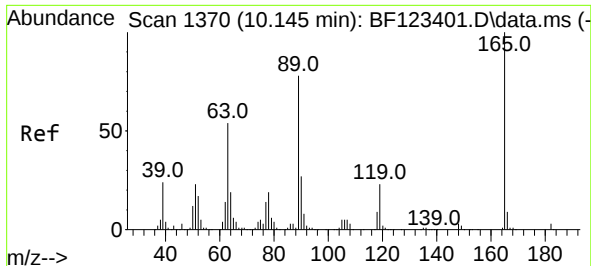
Tgt Ion:172 Resp: 1559897
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.4 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 8.80 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.218 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

Tgt Ion:165 Resp: 53177
Ion Ratio Lower Upper
165 100
63 1.1 36.6 55.0#
89 1.1 39.4 59.0#

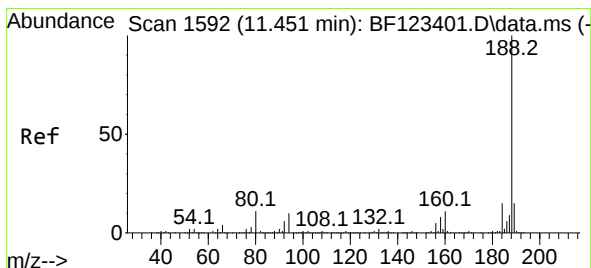
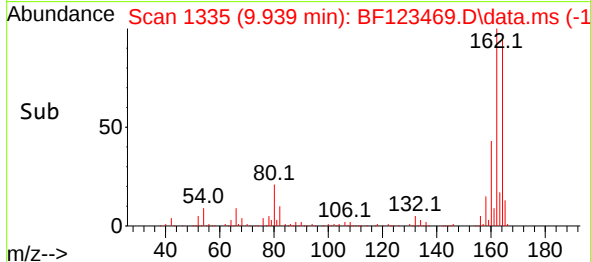
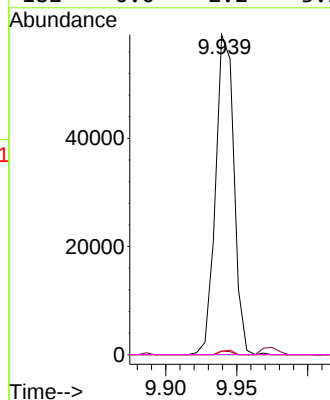
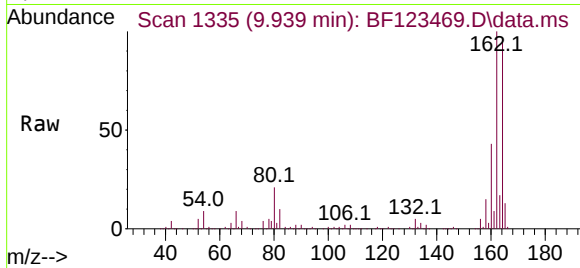




#57
2,4-Dinitrotoluene
Concen: 7.05 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.188 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

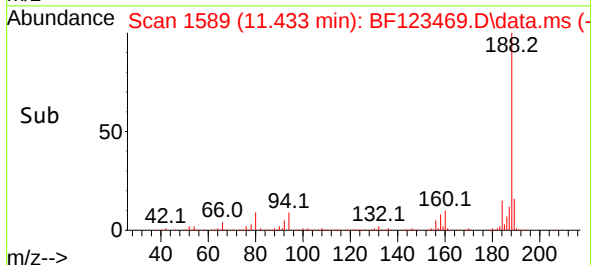
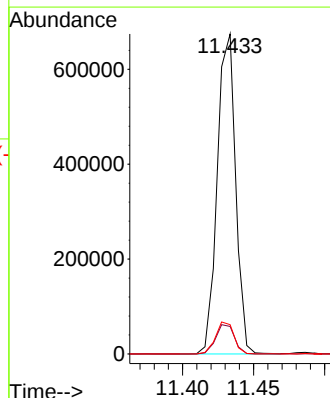
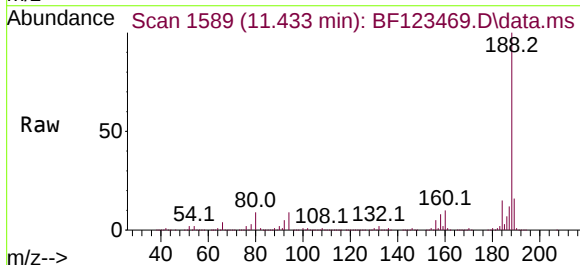
Instrument :
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ClientSampleId :
SB-2A-(0.5-1.0)

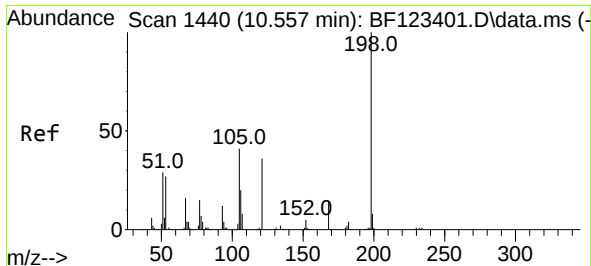
Tgt Ion:165	Resp:	53177
Ion Ratio	Lower	Upper
165	100	
63	1.1	34.3 51.5#
89	1.1	55.2 82.8#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

Tgt Ion:188	Resp:	606045
Ion Ratio	Lower	Upper
188	100	
94	8.6	7.4 11.2
80	9.1	8.2 12.4

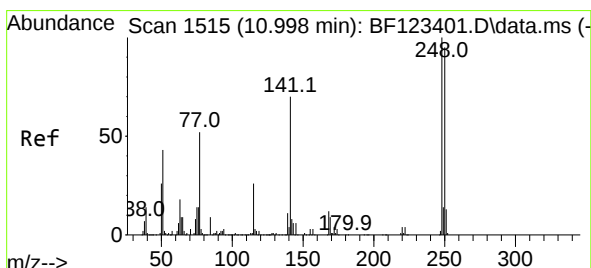
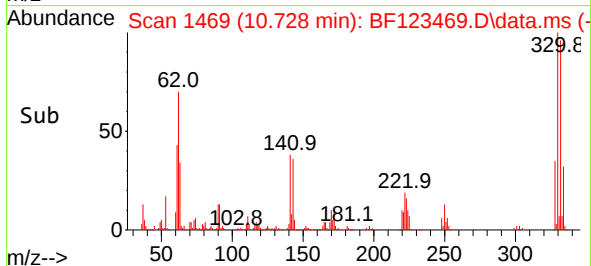
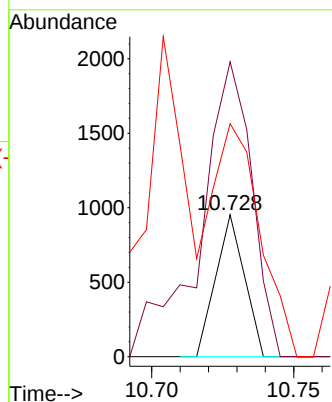
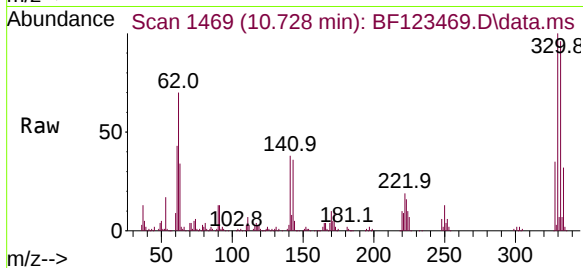




#65
4,6-Dinitro-2-methylphenol
Concen: 5.31 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.194 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

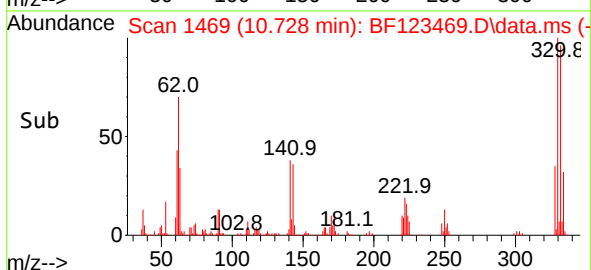
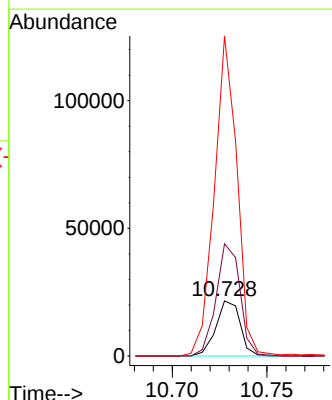
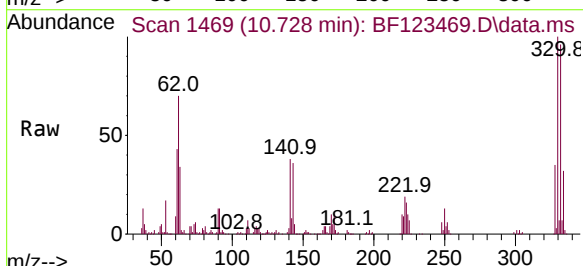
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

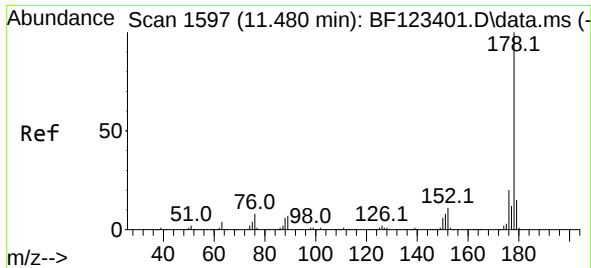
Tgt Ion:198 Resp: 670
Ion Ratio Lower Upper
198 100
51 207.7 20.3 60.3#
105 164.1 23.0 63.0#



#67
4-Bromophenyl-phenylether
Concen: 2.67 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.253 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

Tgt Ion:248 Resp: 19155
Ion Ratio Lower Upper
248 100
250 203.6 76.8 115.2#
141 580.9 59.8 89.8#

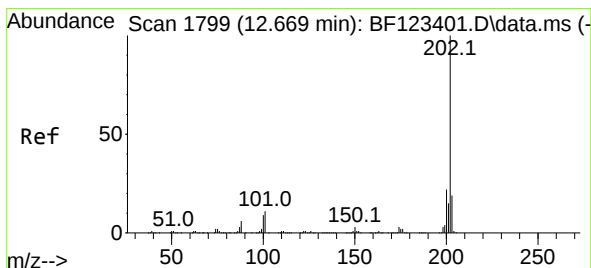
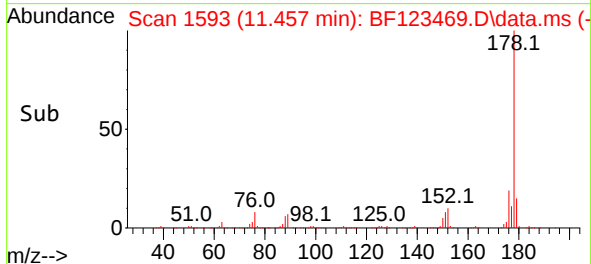
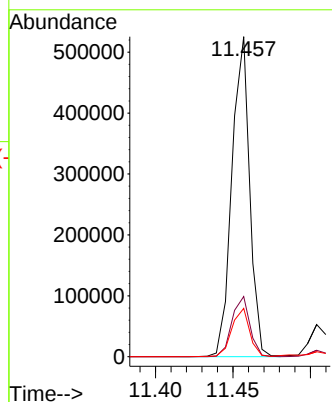
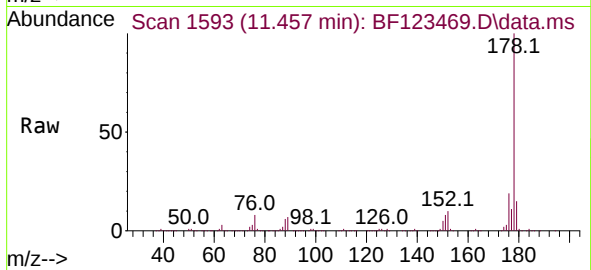




#71
Phenanthrene
Concen: 12.51 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

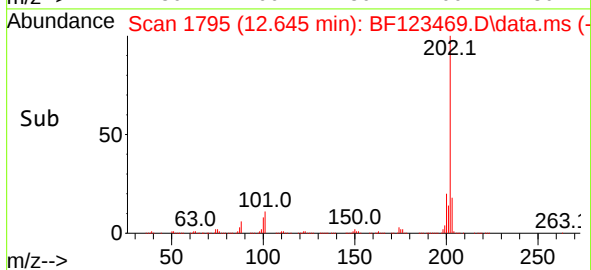
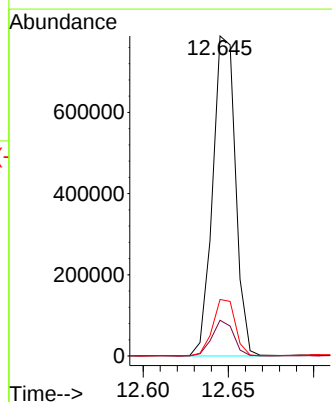
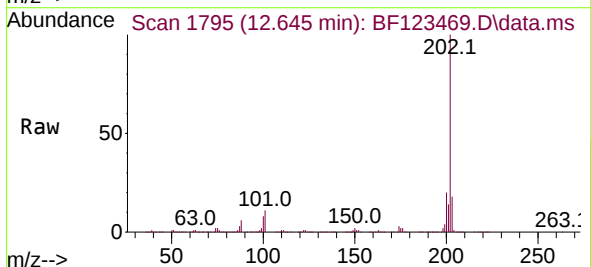
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

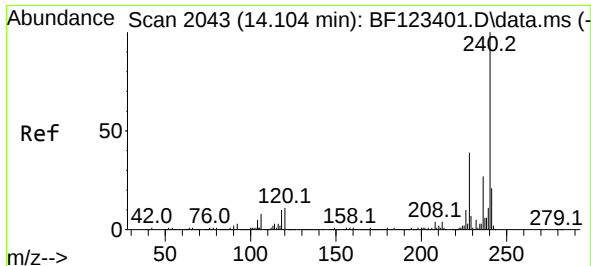
Tgt Ion:178 Resp: 419111
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.2
179 15.1 12.7 19.1



#75
Fluoranthene
Concen: 20.23 ng
RT: 12.645 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

Tgt Ion:202 Resp: 734013
Ion Ratio Lower Upper
202 100
101 11.1 0.0 32.2
203 17.7 0.0 38.1

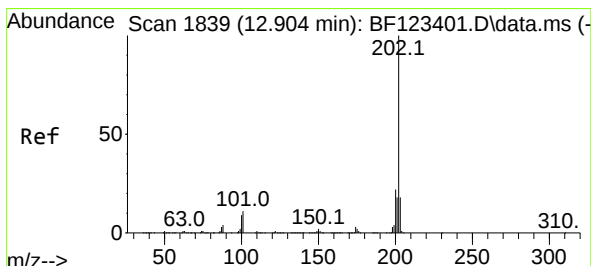
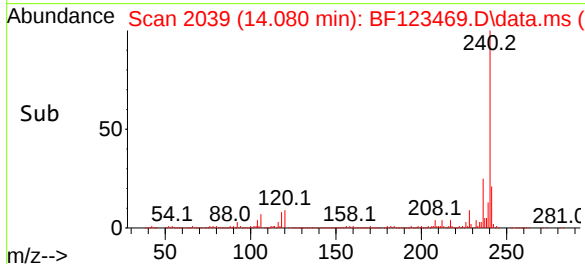
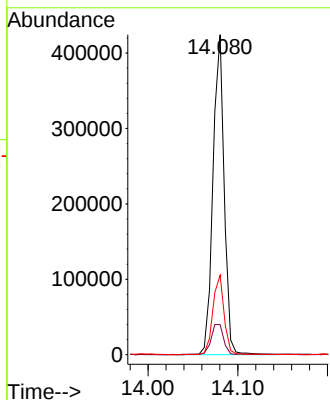
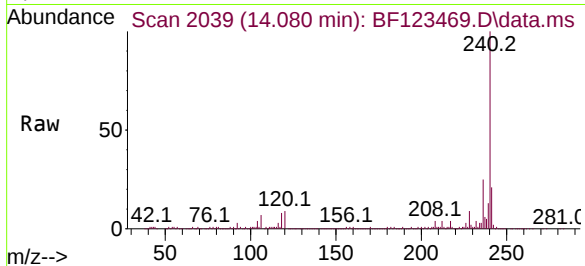




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.000 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

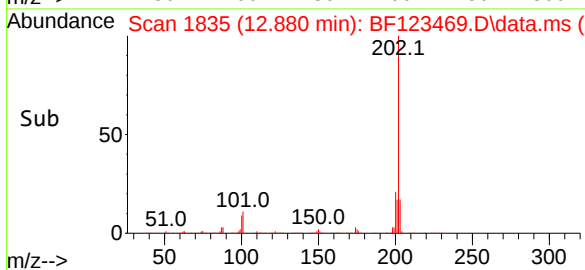
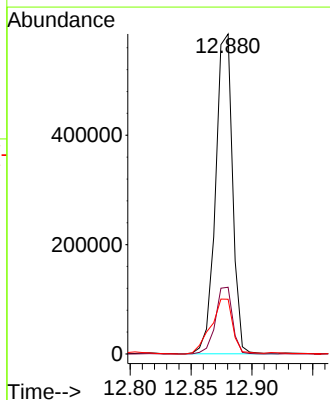
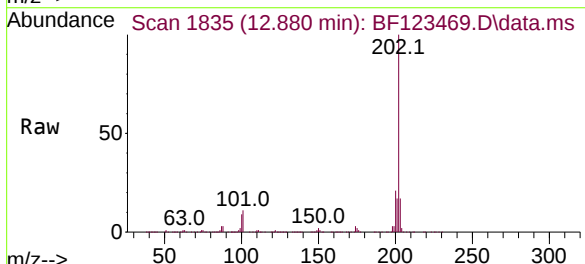
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

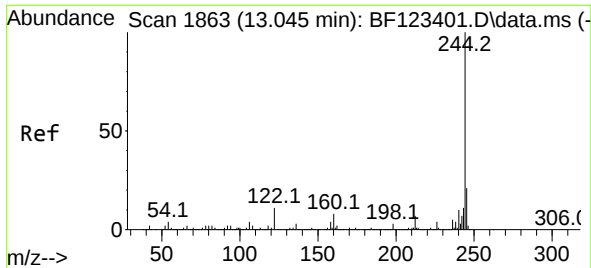
Tgt Ion:240 Resp: 367787
Ion Ratio Lower Upper
240 100
120 9.4 8.6 12.8
236 24.9 20.3 30.5



#78
Pyrene
Concen: 17.93 ng
RT: 12.880 min Scan# 1835
Delta R.T. 0.000 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

Tgt Ion:202 Resp: 568825
Ion Ratio Lower Upper
202 100
200 20.8 17.6 26.4
203 17.1 14.6 21.8

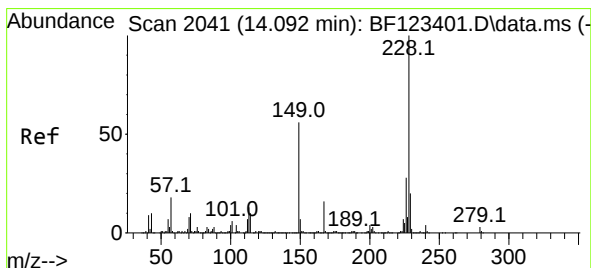
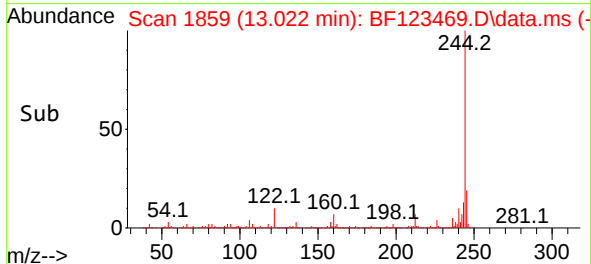
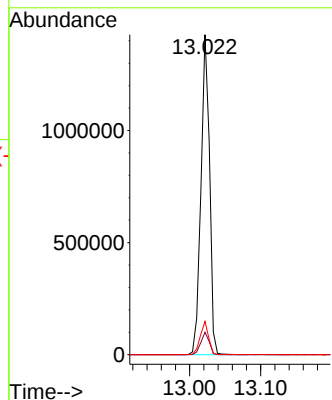
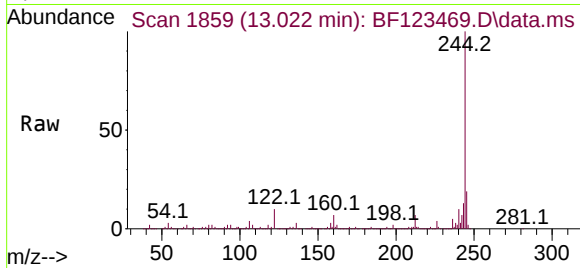




#79
Terphenyl-d14
Concen: 55.32 ng
RT: 13.022 min Scan# 1859
Delta R.T. 0.000 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

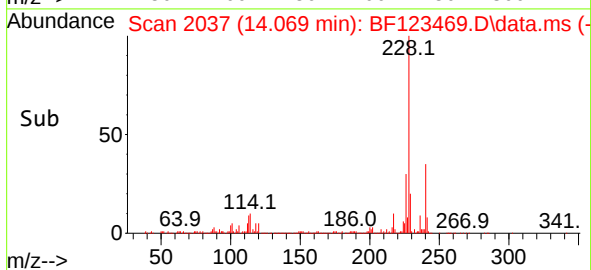
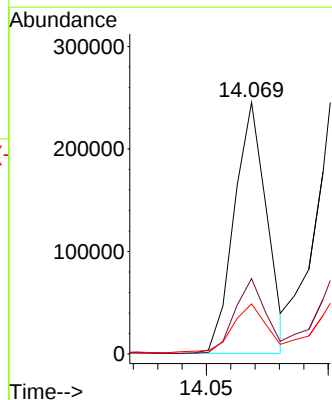
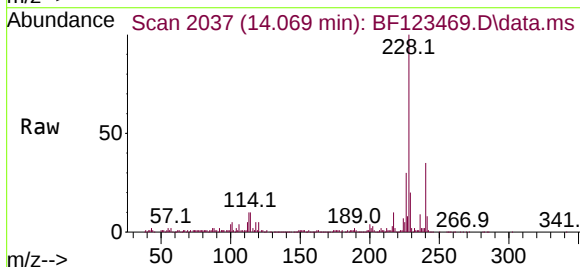
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

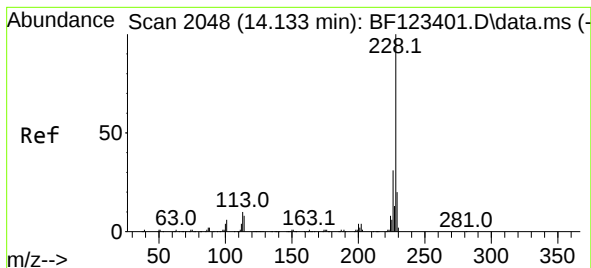
Tgt Ion:244 Resp: 1200618
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.4 8.3 12.5



#81
Benzo(a)anthracene
Concen: 9.41 ng
RT: 14.069 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123469.D
Acq: 25 Mar 2021 19:18

Tgt Ion:228 Resp: 226463
Ion Ratio Lower Upper
228 100
226 29.9 23.0 34.4
229 19.9 16.6 24.8





#83

Chrysene

Concen: 11.67 ng

RT: 14.104 min Scan# 2043

Delta R.T. -0.006 min

Lab File: BF123469.D

Acq: 25 Mar 2021 19:18

Tgt Ion:228 Resp: 290132

Ion Ratio Lower Upper

228 100

226 28.7 24.6 36.8

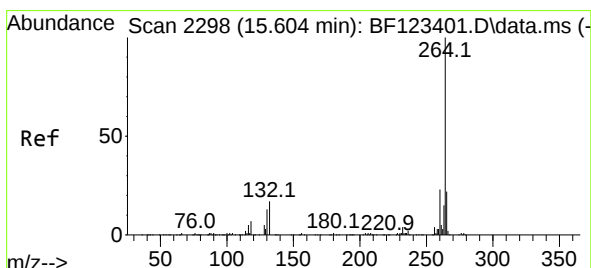
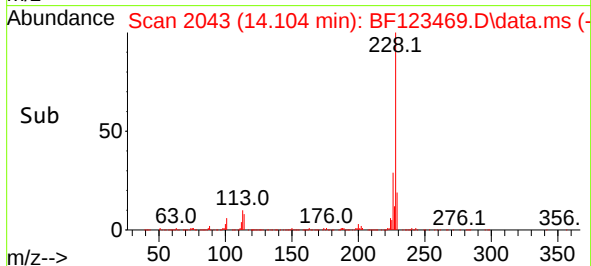
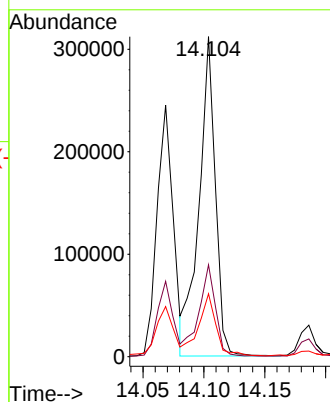
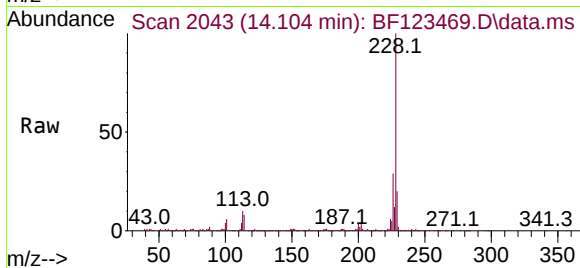
229 19.7 15.8 23.6

Instrument :

BNA_F

ClientSampleId :

SB-2A-(0.5-1.0)



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.574 min Scan# 2293

Delta R.T. 0.000 min

Lab File: BF123469.D

Acq: 25 Mar 2021 19:18

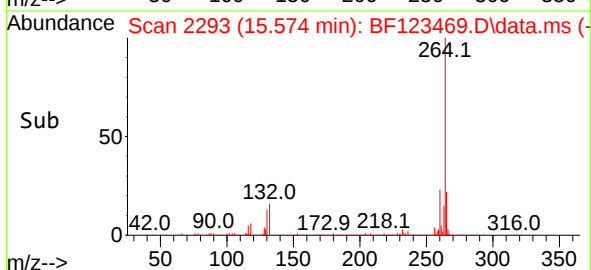
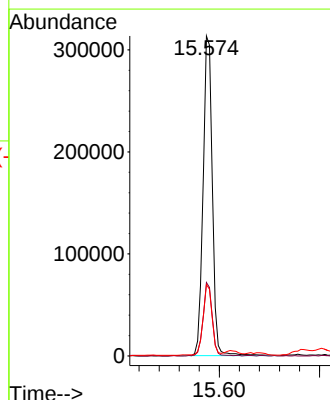
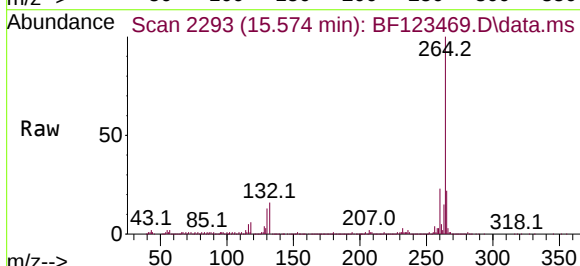
Tgt Ion:264 Resp: 401343

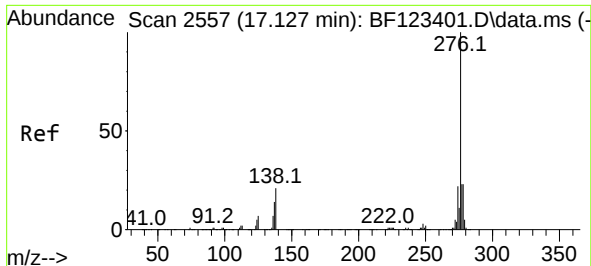
Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 22.3 17.0 25.6

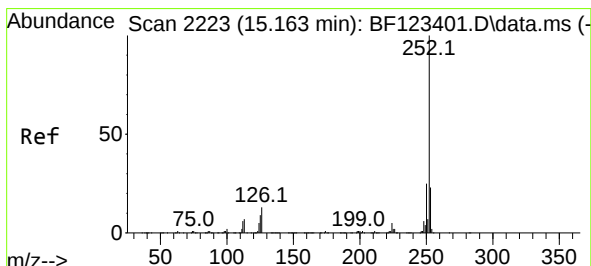
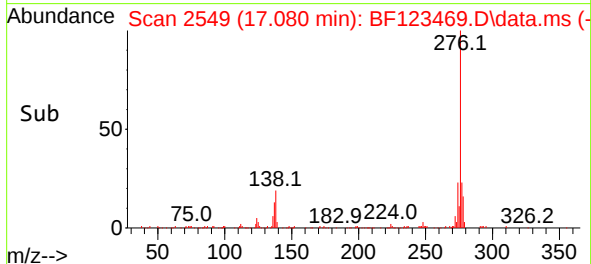
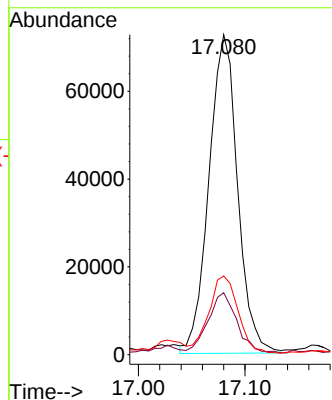
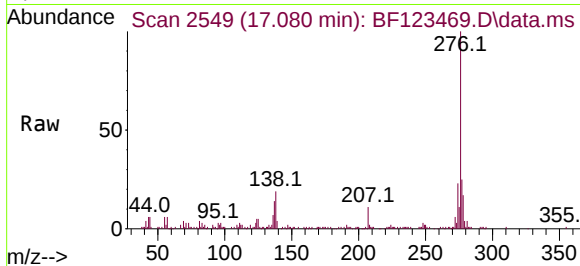




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.44 ng
 RT: 17.080 min Scan# 2549
 Delta R.T. -0.006 min
 Lab File: BF123469.D
 Acq: 25 Mar 2021 19:18

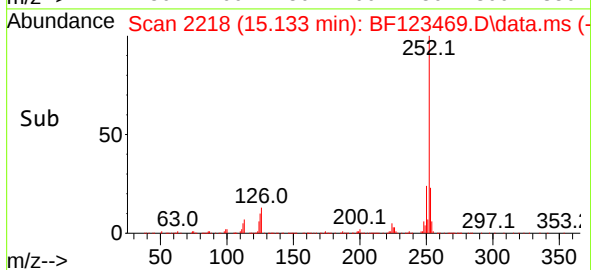
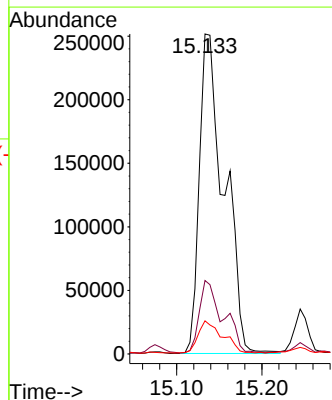
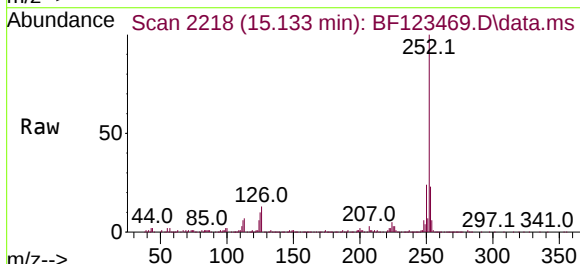
Instrument :
 BNA_F
 ClientSampleId :
 SB-2A-(0.5-1.0)

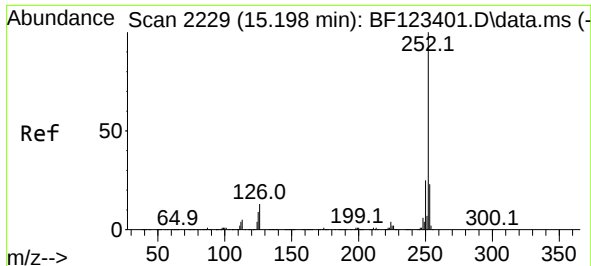
Tgt Ion:276 Resp: 135633
 Ion Ratio Lower Upper
 276 100
 138 19.1 18.7 28.1
 277 24.9 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 18.40 ng
 RT: 15.133 min Scan# 2218
 Delta R.T. -0.006 min
 Lab File: BF123469.D
 Acq: 25 Mar 2021 19:18

Tgt Ion:252 Resp: 509355
 Ion Ratio Lower Upper
 252 100
 253 23.0 18.3 27.5
 125 10.4 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 19.46 ng

RT: 15.133 min Scan# 2218

Delta R.T. -0.035 min

Lab File: BF123469.D

Acq: 25 Mar 2021 19:18

Tgt Ion:252 Resp: 509355

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

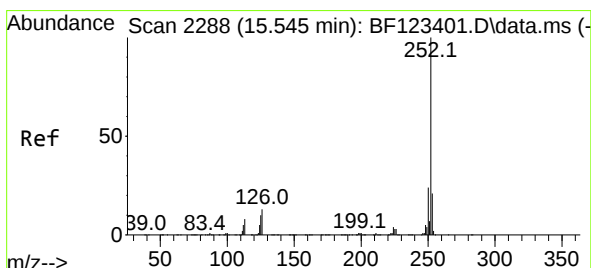
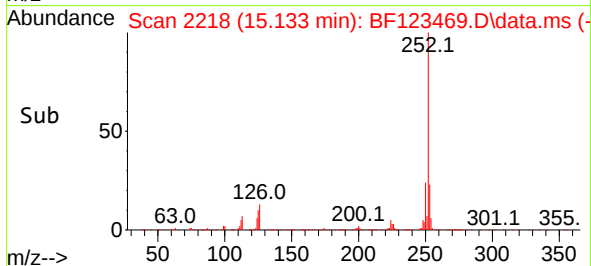
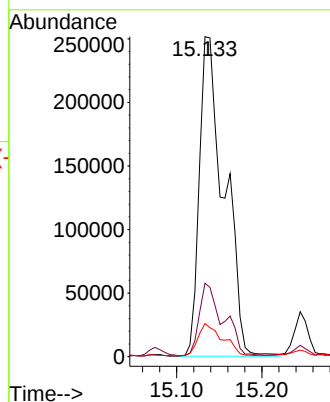
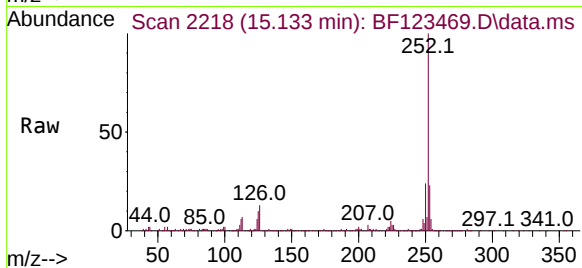
125 10.4 8.4 12.6

Instrument :

BNA_F

ClientSampleId :

SB-2A-(0.5-1.0)



#90

Benzo(a)pyrene

Concen: 10.00 ng

RT: 15.510 min Scan# 2282

Delta R.T. -0.006 min

Lab File: BF123469.D

Acq: 25 Mar 2021 19:18

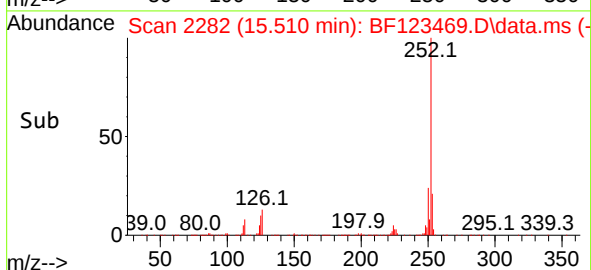
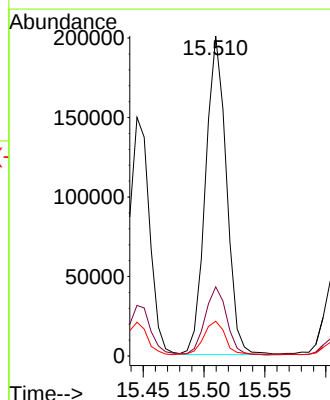
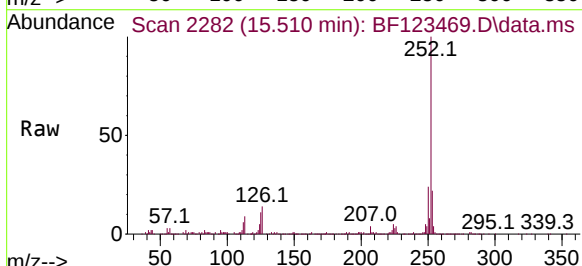
Tgt Ion:252 Resp: 239109

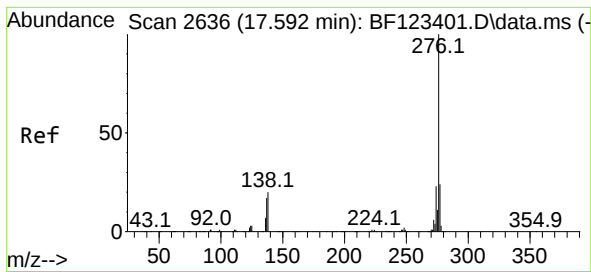
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.9 8.6 12.8





#92

Benzo(g,h,i)perylene

Concen: 5.79 ng

RT: 17.533 min Scan# 2626

Delta R.T. -0.012 min

Lab File: BF123469.D

Acq: 25 Mar 2021 19:18

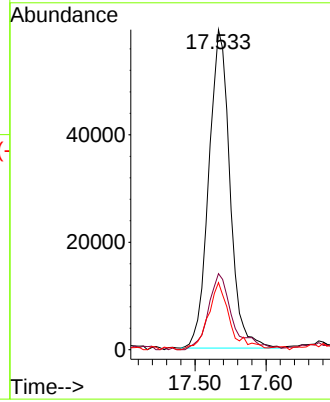
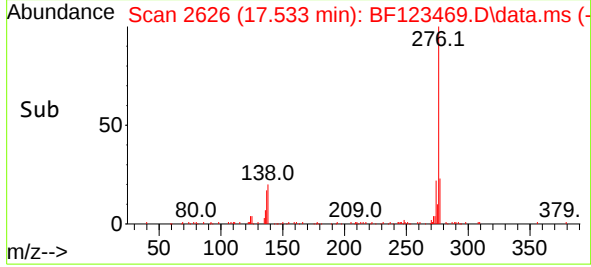
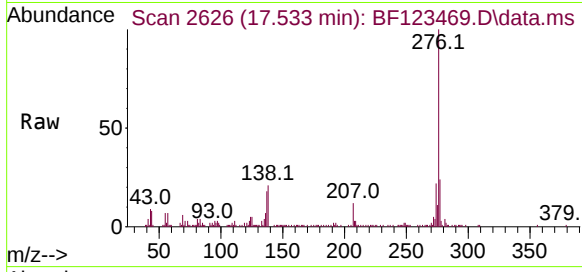
Tgt Ion: 276 Resp: 122705

Ion Ratio Lower Upper

276 100

277 23.8 19.3 28.9

138 20.9 16.6 24.8



Instrument :

BNA_F

ClientSampleId :

SB-2A-(0.5-1.0)