

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050321\
 Data File : BF123797.D
 Acq On : 4 May 2021 00:55
 Operator : JU/CG
 Sample : M2242-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE

Quant Time: May 04 01:46:49 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 27 16:30:39 2021
 Response via : Initial Calibration

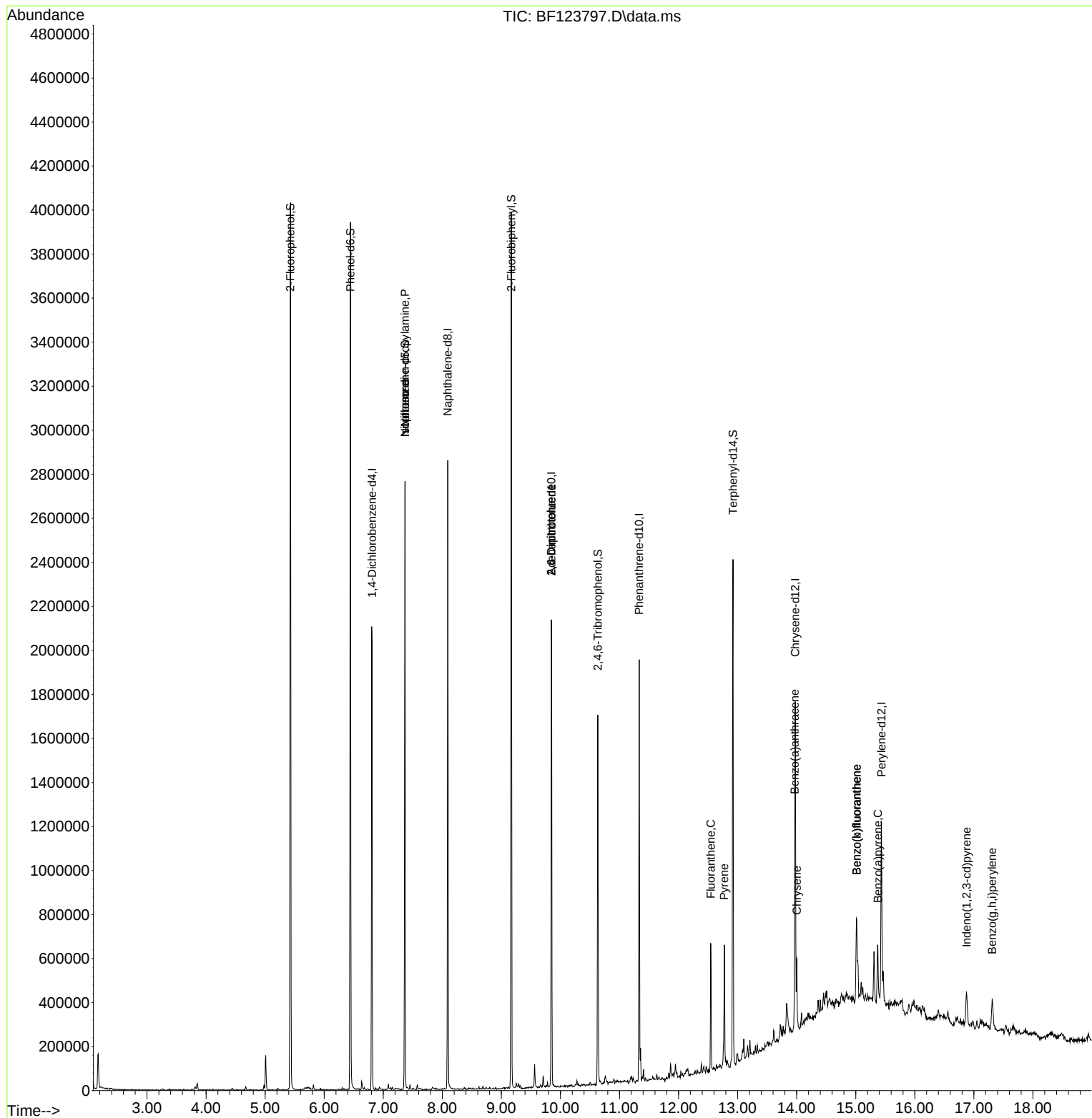
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	293432	20.00	ng	0.00
21) Naphthalene-d8	8.092	136	1016617	20.00	ng	0.00
39) Acenaphthene-d10	9.845	164	410682	20.00	ng	0.00
64) Phenanthrene-d10	11.333	188	604212	20.00	ng	0.00
76) Chrysene-d12	13.974	240	459649	20.00	ng	#-0.01
86) Perylene-d12	15.433	264	351939	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	815218	44.01	ng	0.00
7) Phenol-d6	6.445	99	1042768	40.87	ng	0.00
23) Nitrobenzene-d5	7.369	82	707735	31.43	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	171465	33.54	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	1016253	36.04	ng	0.00
79) Terphenyl-d14	12.921	244	688143	28.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.369	70	95431	6.06	ng	# 75
25) Isophorone	7.369	82	707729	16.76	ng	# 69
51) 2,6-Dinitrotoluene	9.845	165	54471	8.15	ng	# 12
57) 2,4-Dinitrotoluene	9.845	165	54471	5.97	ng	# 17
75) Fluoranthene	12.545	202	218157	6.31	ng	98
78) Pyrene	12.774	202	210311	5.89	ng	97
81) Benzo(a)anthracene	13.968	228	125371	4.50	ng	94
83) Chrysene	14.004	228	140541	5.02	ng	95
87) Indeno(1,2,3-cd)pyrene	16.874	276	102205	4.99	ng	97
88) Benzo(b)fluoranthene	15.015	252	270979	11.43	ng	# 94
89) Benzo(k)fluoranthene	15.015	252	270979	11.97	ng	# 95
90) Benzo(a)pyrene	15.374	252	125506	6.19	ng	99
92) Benzo(g,h,i)perylene	17.309	276	108716	6.27	ng	# 92

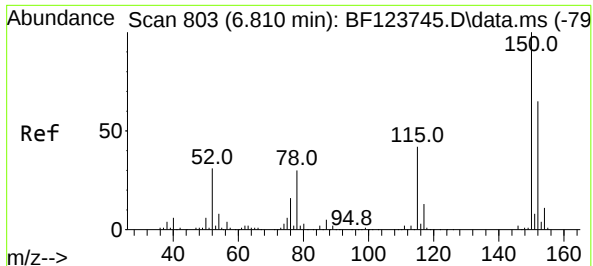
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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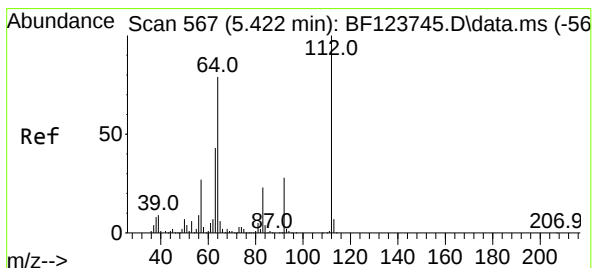
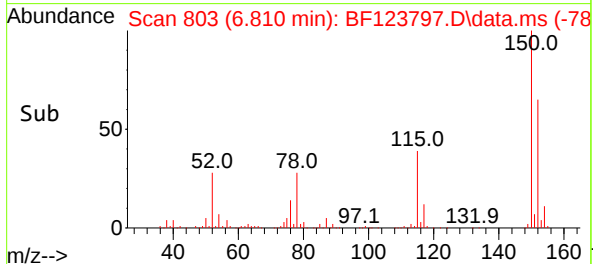
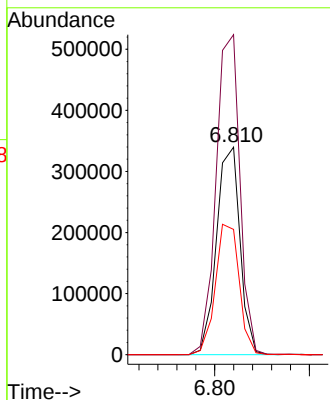
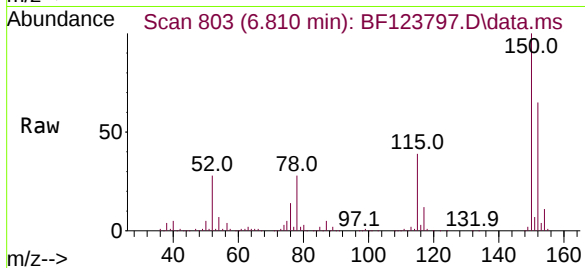




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.810 min Scan# 803
Delta R.T. -0.000 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

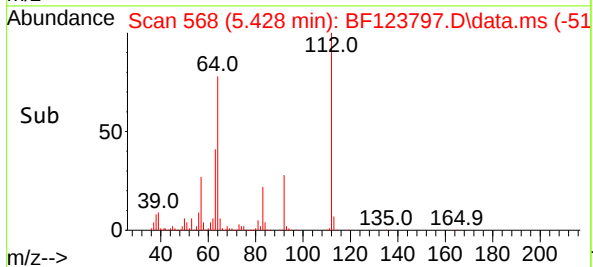
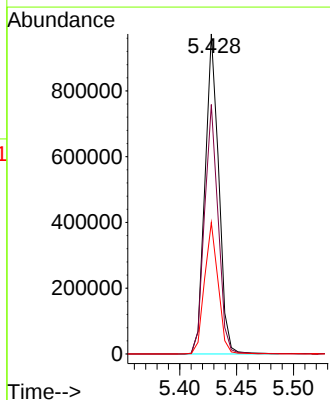
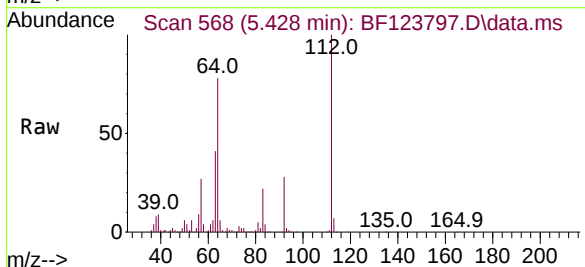
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BNA_F
ClientSampleId :
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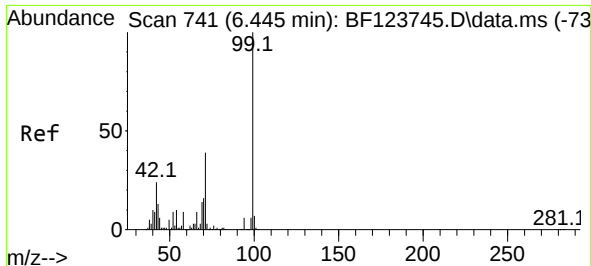
Tgt Ion:152 Resp: 293432
Ion Ratio Lower Upper
152 100
150 154.2 127.0 190.6
115 60.4 54.3 81.5



#5
2-Fluorophenol
Concen: 44.01 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

Tgt Ion:112 Resp: 815218
Ion Ratio Lower Upper
112 100
64 77.9 61.4 92.0
63 41.1 33.0 49.4

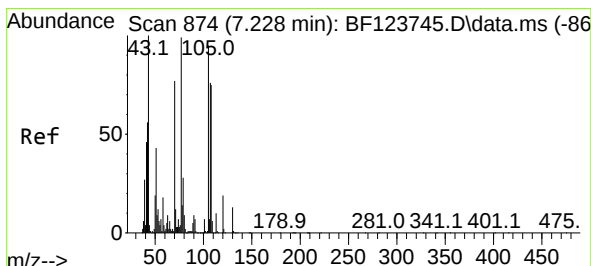
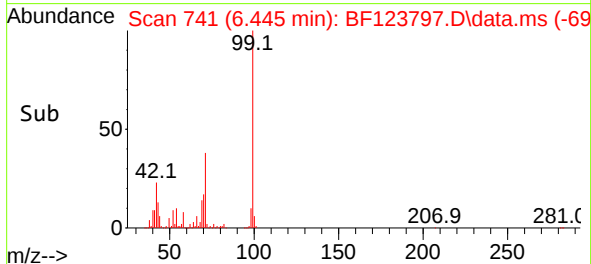
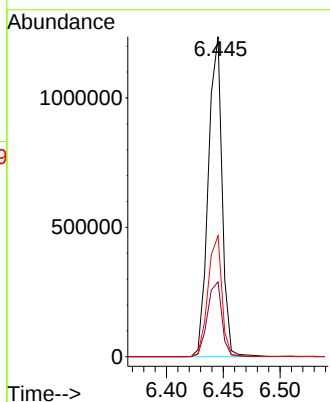
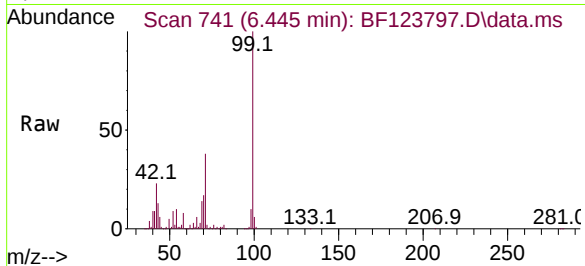




#7
Phenol-d6
Concen: 40.87 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

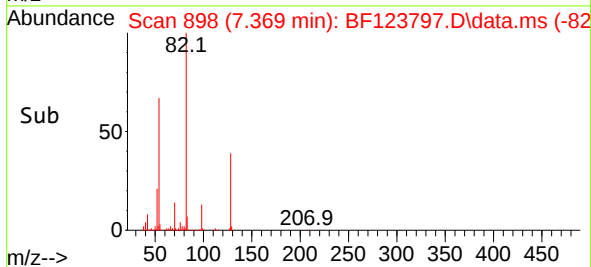
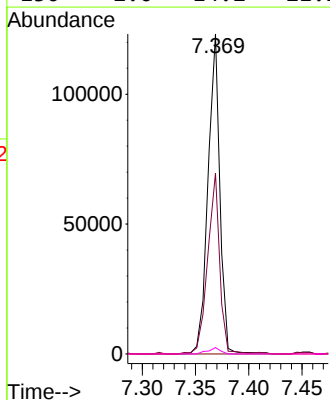
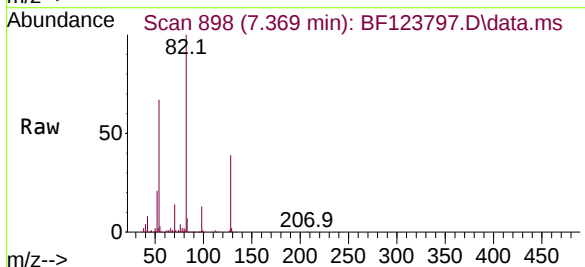
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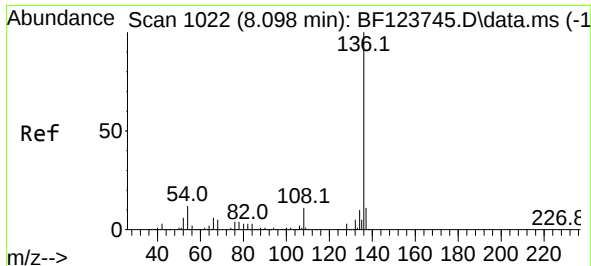
Tgt Ion: 99 Resp: 1042768
Ion Ratio Lower Upper
99 100
42 23.4 19.8 29.8
71 37.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.06 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.141 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

Tgt Ion: 70 Resp: 95431
Ion Ratio Lower Upper
70 100
42 56.6 60.1 90.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.2#

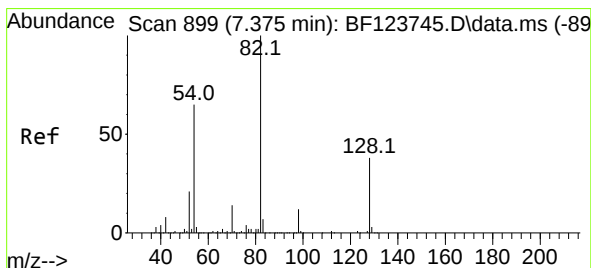
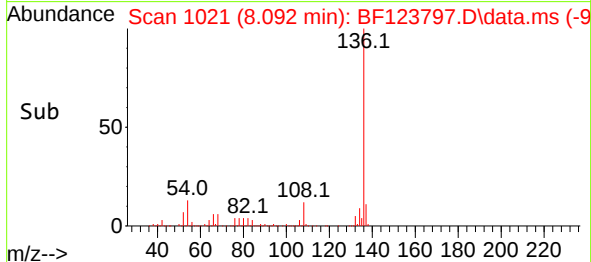
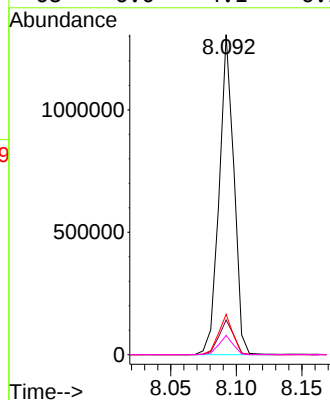
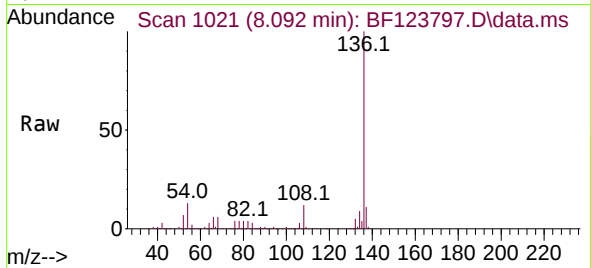




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

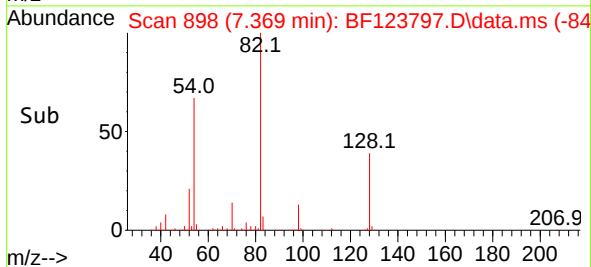
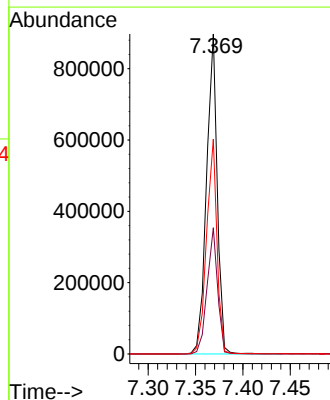
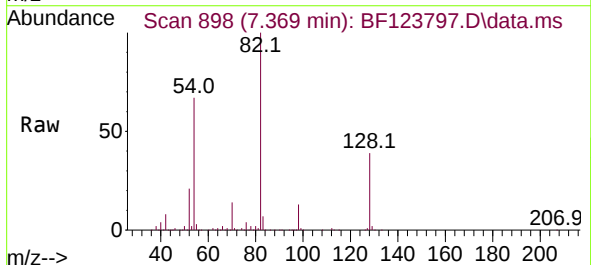
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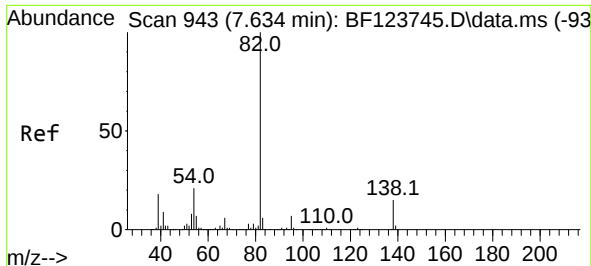
Tgt Ion:136 Resp: 1016617
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 12.6 9.8 14.6
68 6.0 4.1 6.1



#23
Nitrobenzene-d5
Concen: 31.43 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

Tgt Ion: 82 Resp: 707735
Ion Ratio Lower Upper
82 100
128 39.5 29.4 44.2
54 67.2 54.1 81.1

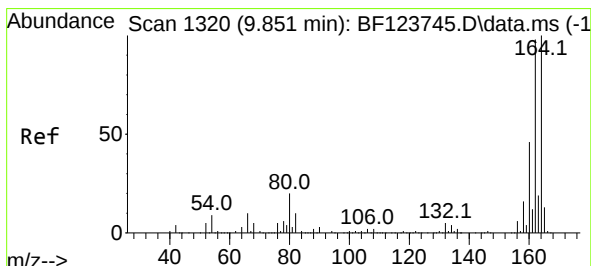
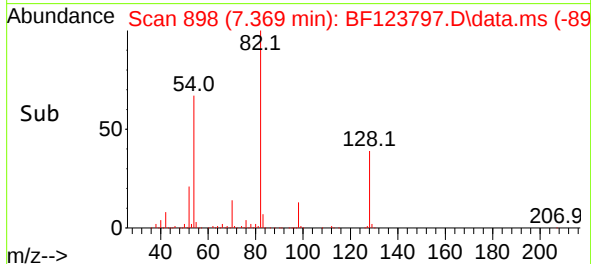
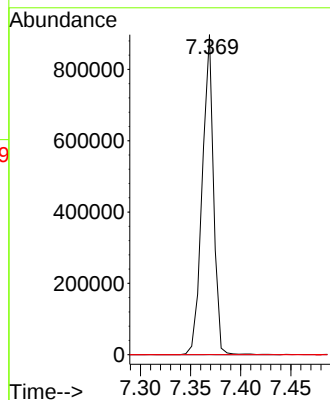
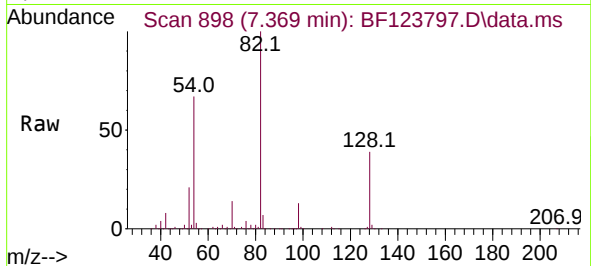




#25
Isophorone
Concen: 16.76 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.265 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

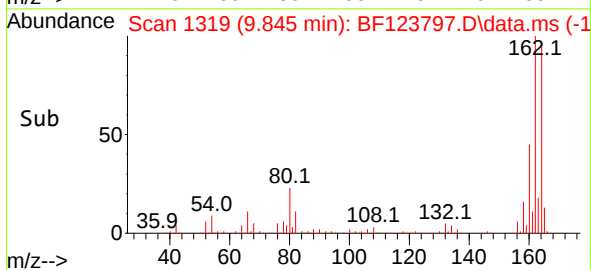
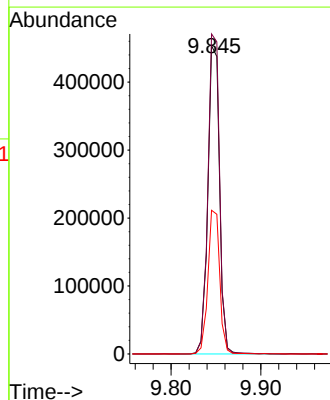
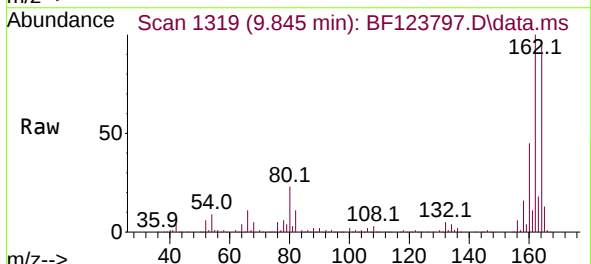
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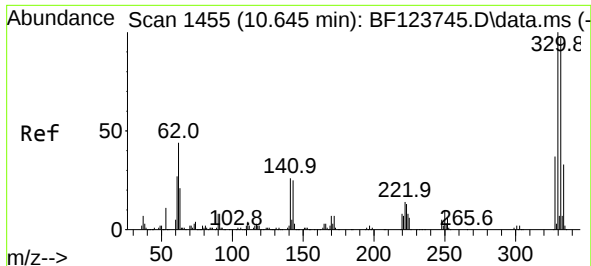
Tgt Ion: 82 Resp: 707729
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

Tgt Ion:164 Resp: 410682
Ion Ratio Lower Upper
164 100
162 103.8 80.7 121.1
160 46.6 37.3 55.9

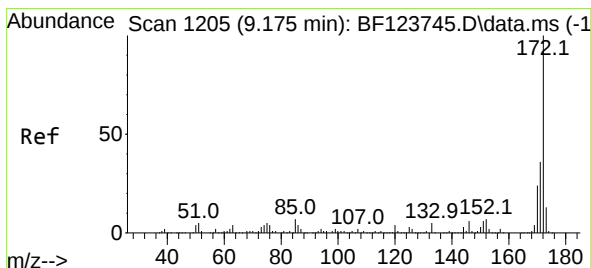
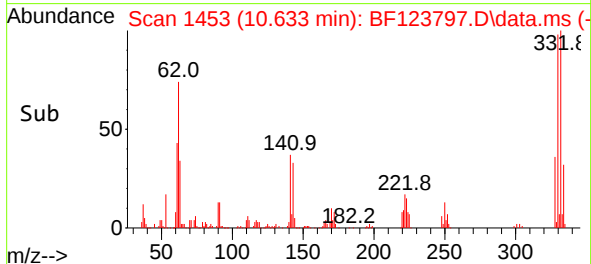
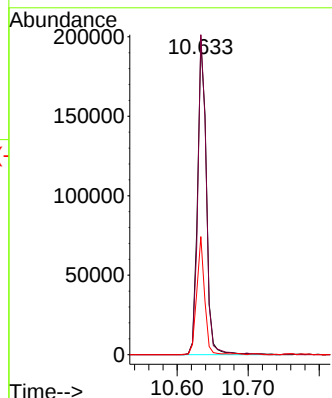
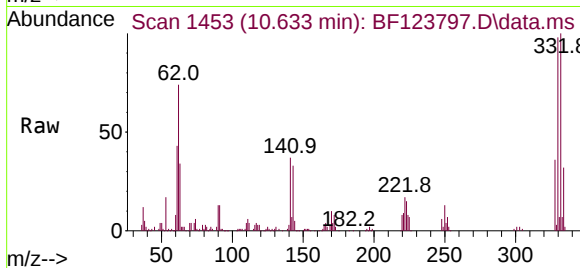




#42
2,4,6-Tribromophenol
Concen: 33.54 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

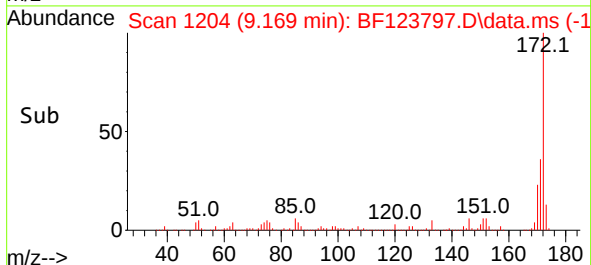
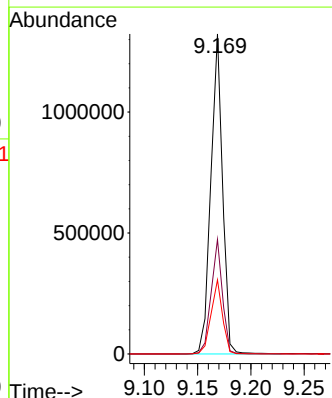
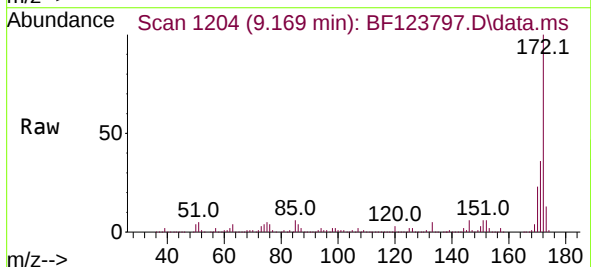
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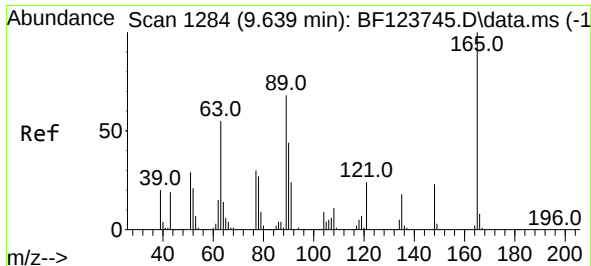
Tgt Ion:330 Resp: 171465
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 33.5 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 36.04 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

Tgt Ion:172 Resp: 1016253
Ion Ratio Lower Upper
172 100
171 35.8 28.1 42.1
170 23.2 19.2 28.8

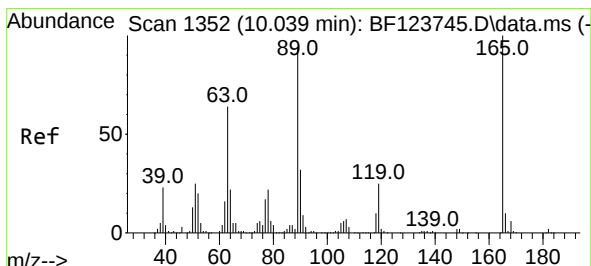
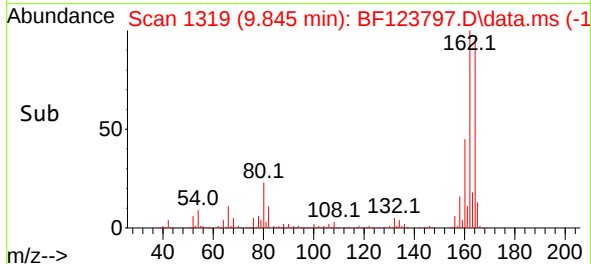
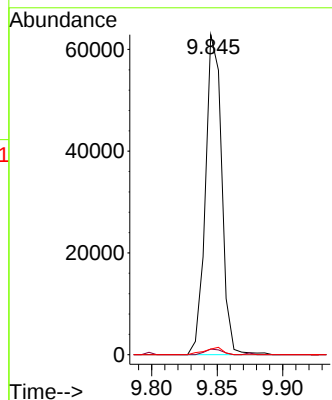
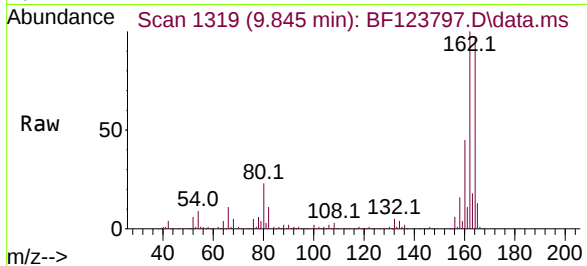




#51
2,6-Dinitrotoluene
Concen: 8.15 ng
RT: 9.845 min Scan# 1319
Delta R.T. 0.206 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

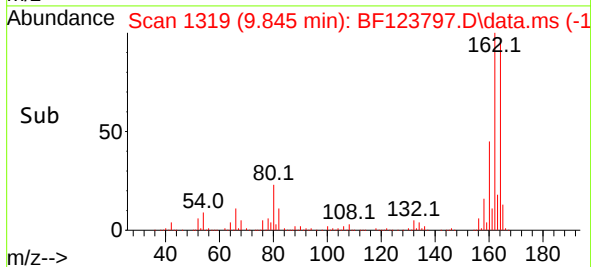
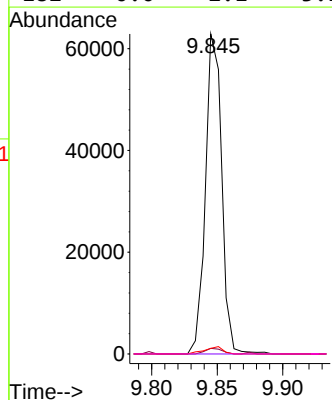
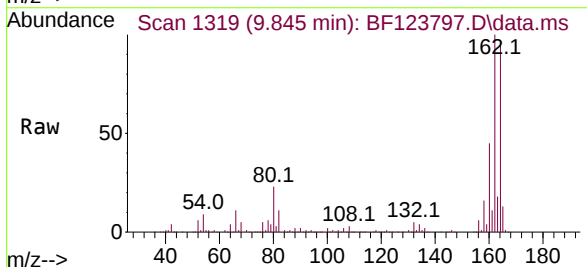
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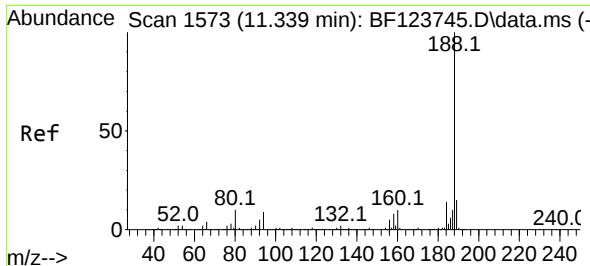
Tgt Ion:165 Resp: 54471
Ion Ratio Lower Upper
165 100
63 1.7 67.7 101.5#
89 1.8 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.97 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.194 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

Tgt Ion:165 Resp: 54471
Ion Ratio Lower Upper
165 100
63 1.7 43.5 65.3#
89 1.8 67.7 101.5#
182 0.0 2.1 3.1#

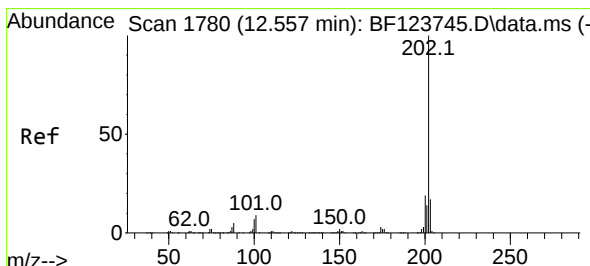
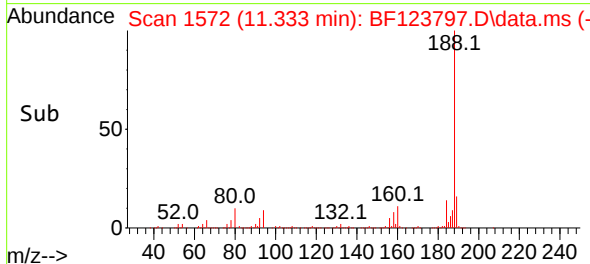
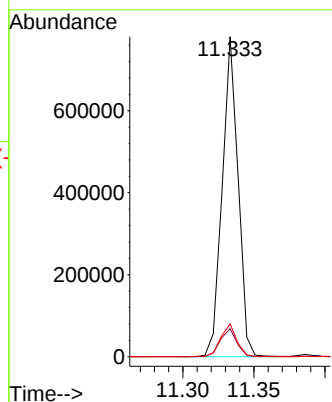
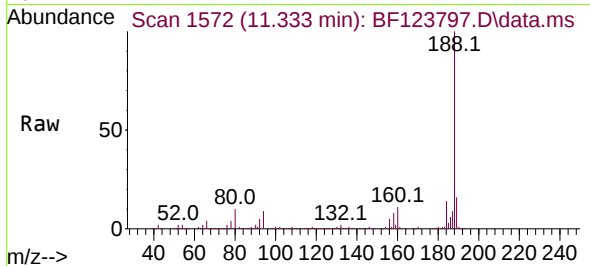




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

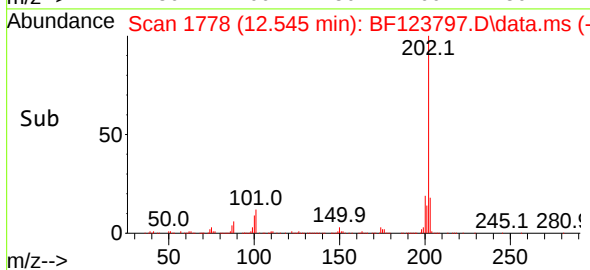
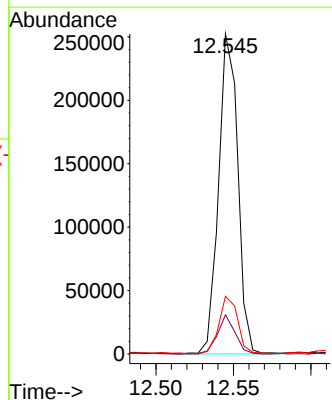
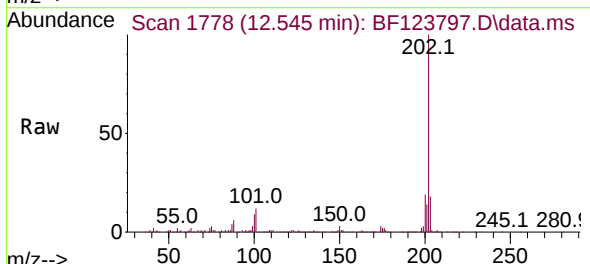
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ClientSampleId :
STOCK-PILE

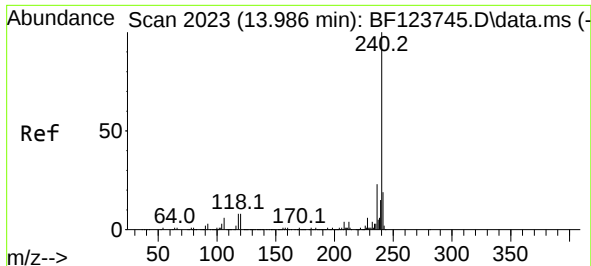
Tgt Ion:188 Resp: 604212
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 10.2 8.2 12.2



#75
Fluoranthene
Concen: 6.31 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.012 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

Tgt Ion:202 Resp: 218157
Ion Ratio Lower Upper
202 100
101 12.2 0.0 30.9
203 18.0 0.0 37.5

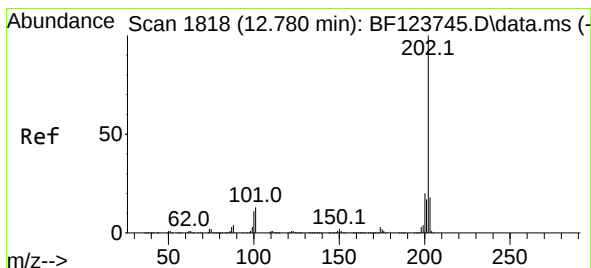
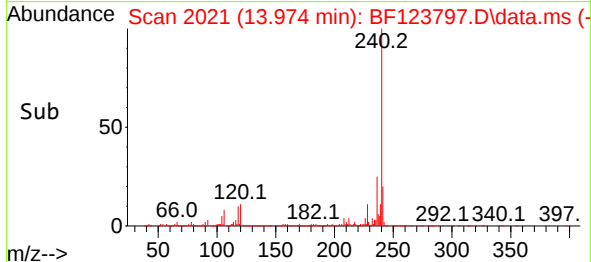
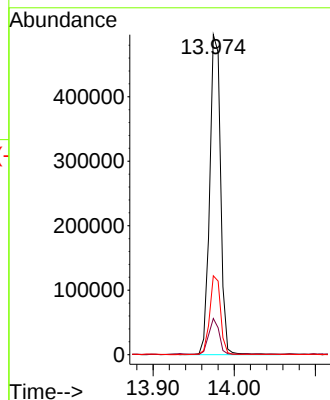
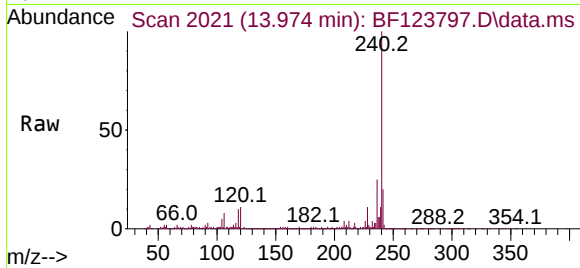




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

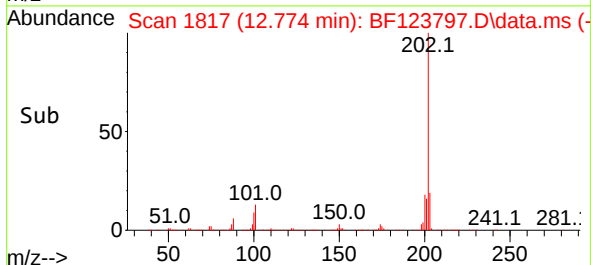
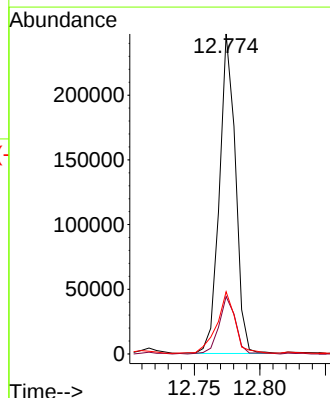
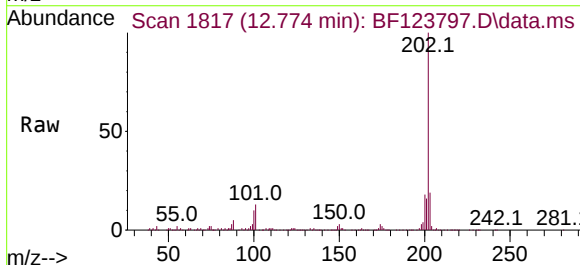
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

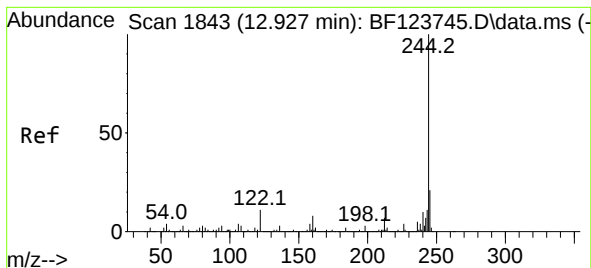
Tgt Ion:240 Resp: 459649
Ion Ratio Lower Upper
240 100
120 11.3 7.2 10.8#
236 24.7 19.0 28.4



#78
Pyrene
Concen: 5.89 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

Tgt Ion:202 Resp: 210311
Ion Ratio Lower Upper
202 100
200 18.0 16.1 24.1
203 19.5 14.8 22.2





#79

Terphenyl-d14

Concen: 28.83 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF123797.D

Acq: 4 May 2021 00:55

Tgt Ion:244 Resp: 688143

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

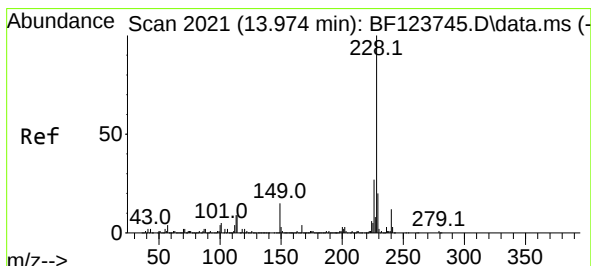
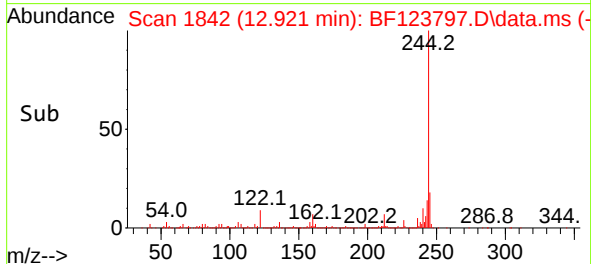
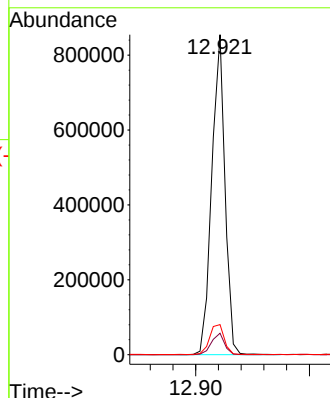
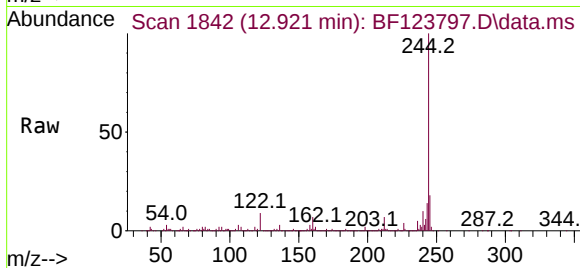
122 9.4 9.7 14.5#

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE



#81

Benzo(a)anthracene

Concen: 4.50 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF123797.D

Acq: 4 May 2021 00:55

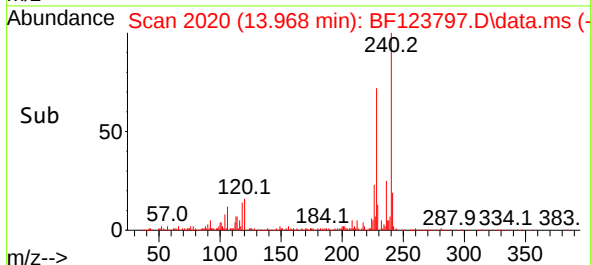
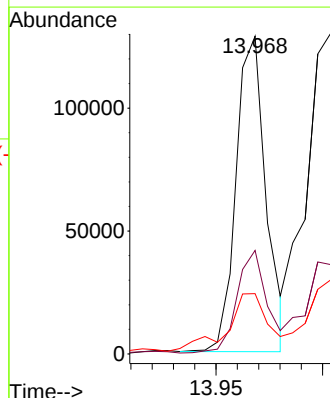
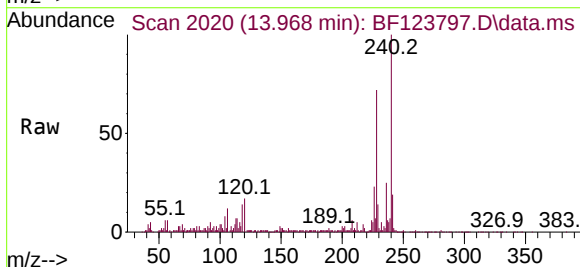
Tgt Ion:228 Resp: 125371

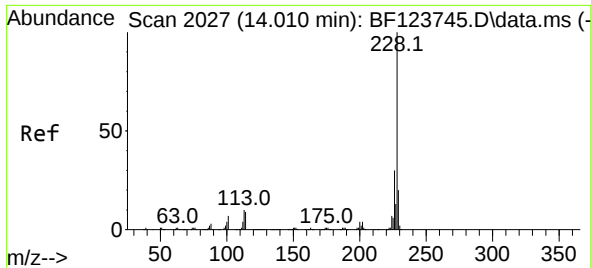
Ion Ratio Lower Upper

228 100

226 32.6 22.4 33.6

229 19.0 16.0 24.0

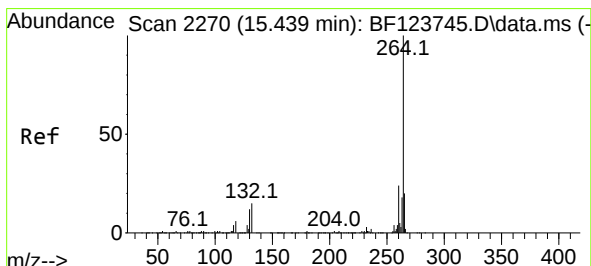
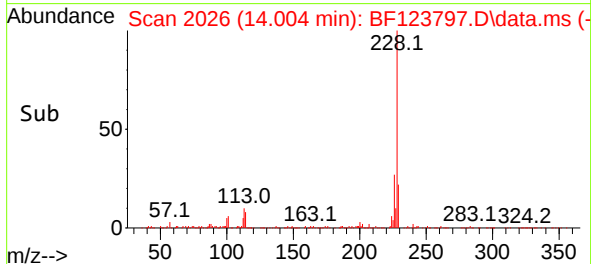
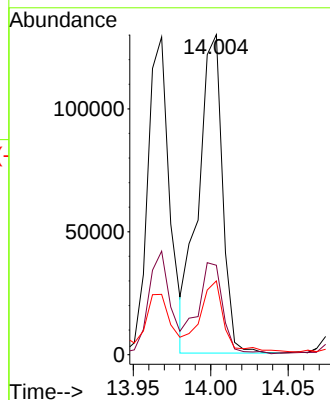
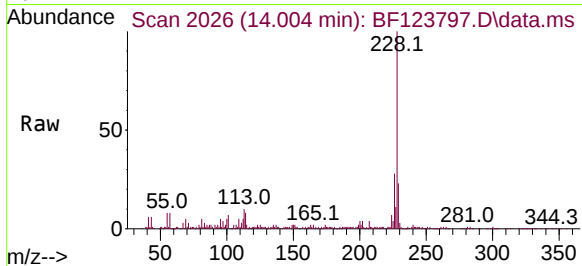




#83
Chrysene
Concen: 5.02 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

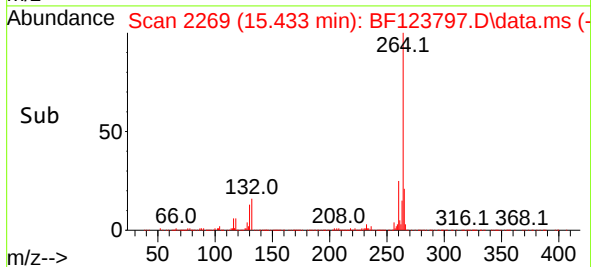
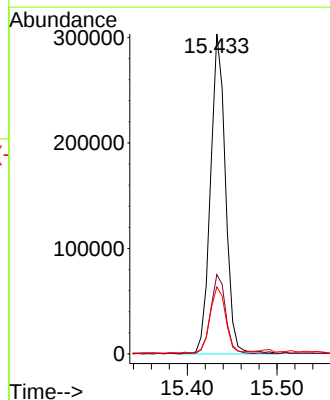
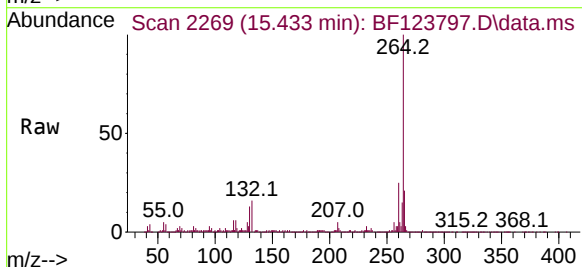
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

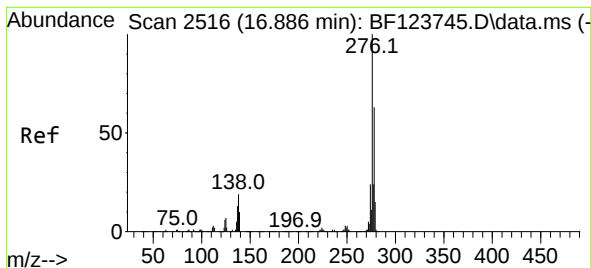
Tgt Ion:228 Resp: 140541
Ion Ratio Lower Upper
228 100
226 28.0 24.3 36.5
229 23.0 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF123797.D
Acq: 4 May 2021 00:55

Tgt Ion:264 Resp: 351939
Ion Ratio Lower Upper
264 100
260 24.8 18.7 28.1
265 20.9 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.99 ng

RT: 16.874 min Scan# 2514

Delta R.T. -0.012 min

Lab File: BF123797.D

Acq: 4 May 2021 00:55

Tgt Ion:276 Resp: 102205

Ion Ratio Lower Upper

276 100

138 18.0 16.2 24.2

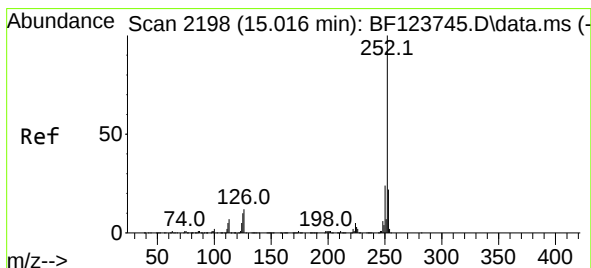
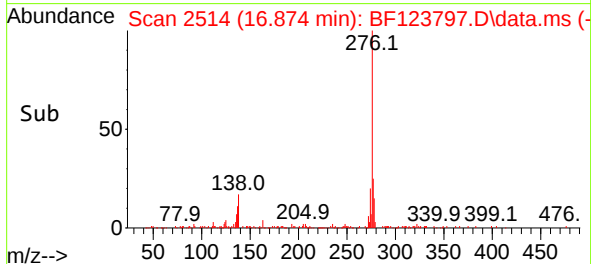
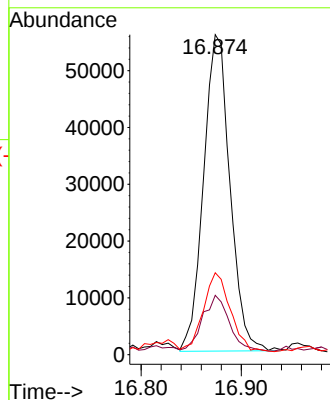
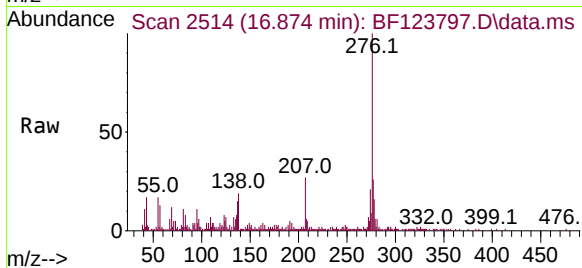
277 25.4 20.1 30.1

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE



#88

Benzo(b)fluoranthene

Concen: 11.43 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF123797.D

Acq: 4 May 2021 00:55

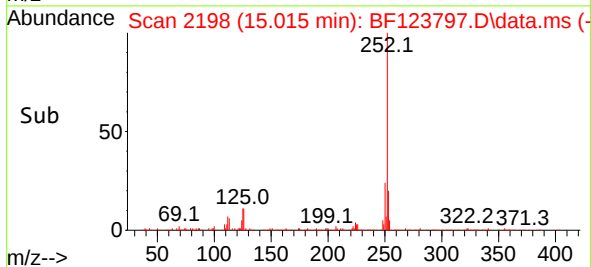
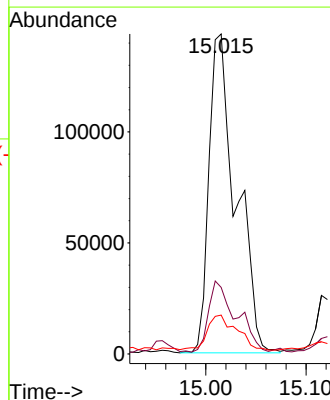
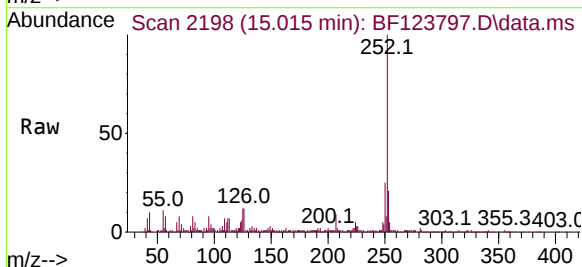
Tgt Ion:252 Resp: 270979

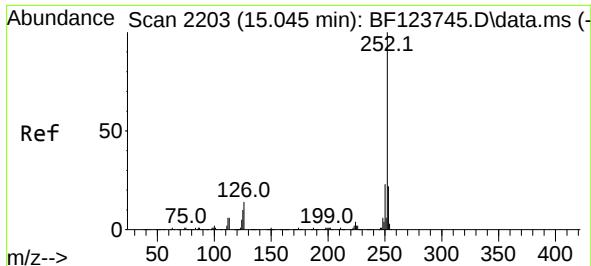
Ion Ratio Lower Upper

252 100

253 20.8 18.1 27.1

125 12.1 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 11.97 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.030 min

Lab File: BF123797.D

Acq: 4 May 2021 00:55

Tgt Ion:252 Resp: 270979

Ion Ratio Lower Upper

252 100

253 20.8 17.9 26.9

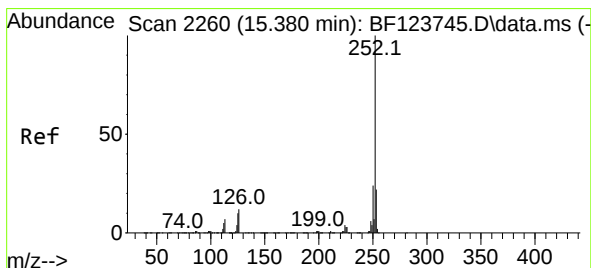
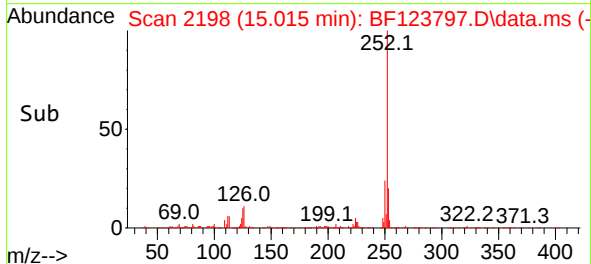
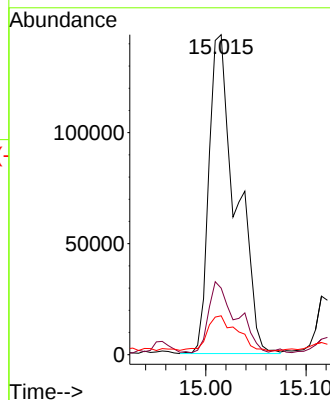
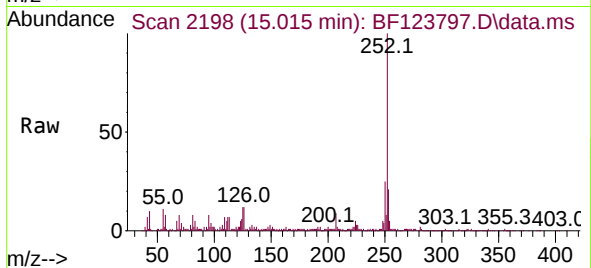
125 12.1 7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE



#90

Benzo(a)pyrene

Concen: 6.19 ng

RT: 15.374 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF123797.D

Acq: 4 May 2021 00:55

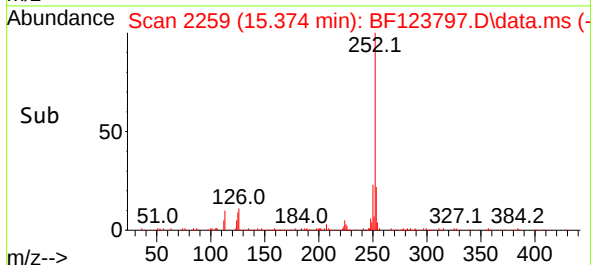
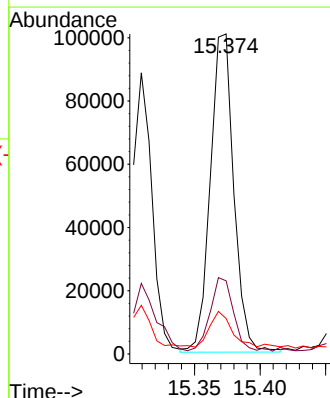
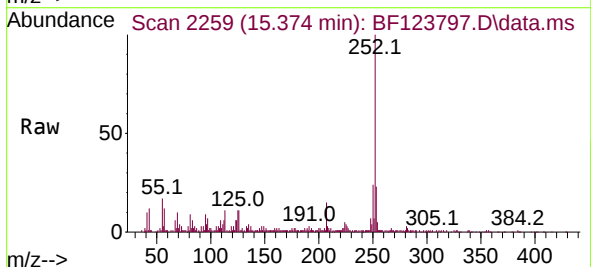
Tgt Ion:252 Resp: 125506

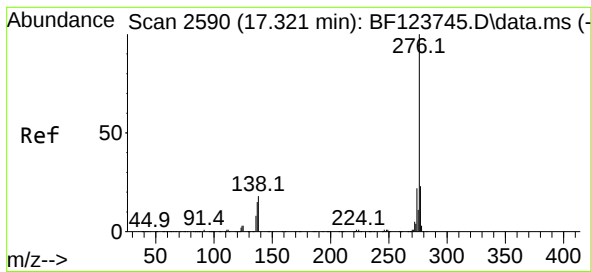
Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

125 11.1 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 6.27 ng
 RT: 17.309 min Scan# 2588
 Delta R.T. -0.012 min
 Lab File: BF123797.D
 Acq: 4 May 2021 00:55

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE

Tgt Ion:276 Resp: 108716
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.2 27.2
 138 23.7 13.8 20.6#

