

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121820\
 Data File : BF122794.D
 Acq On : 18 Dec 2020 19:42
 Operator : JU/CG
 Sample : L5127-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-121620

Quant Time: Dec 18 23:34:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

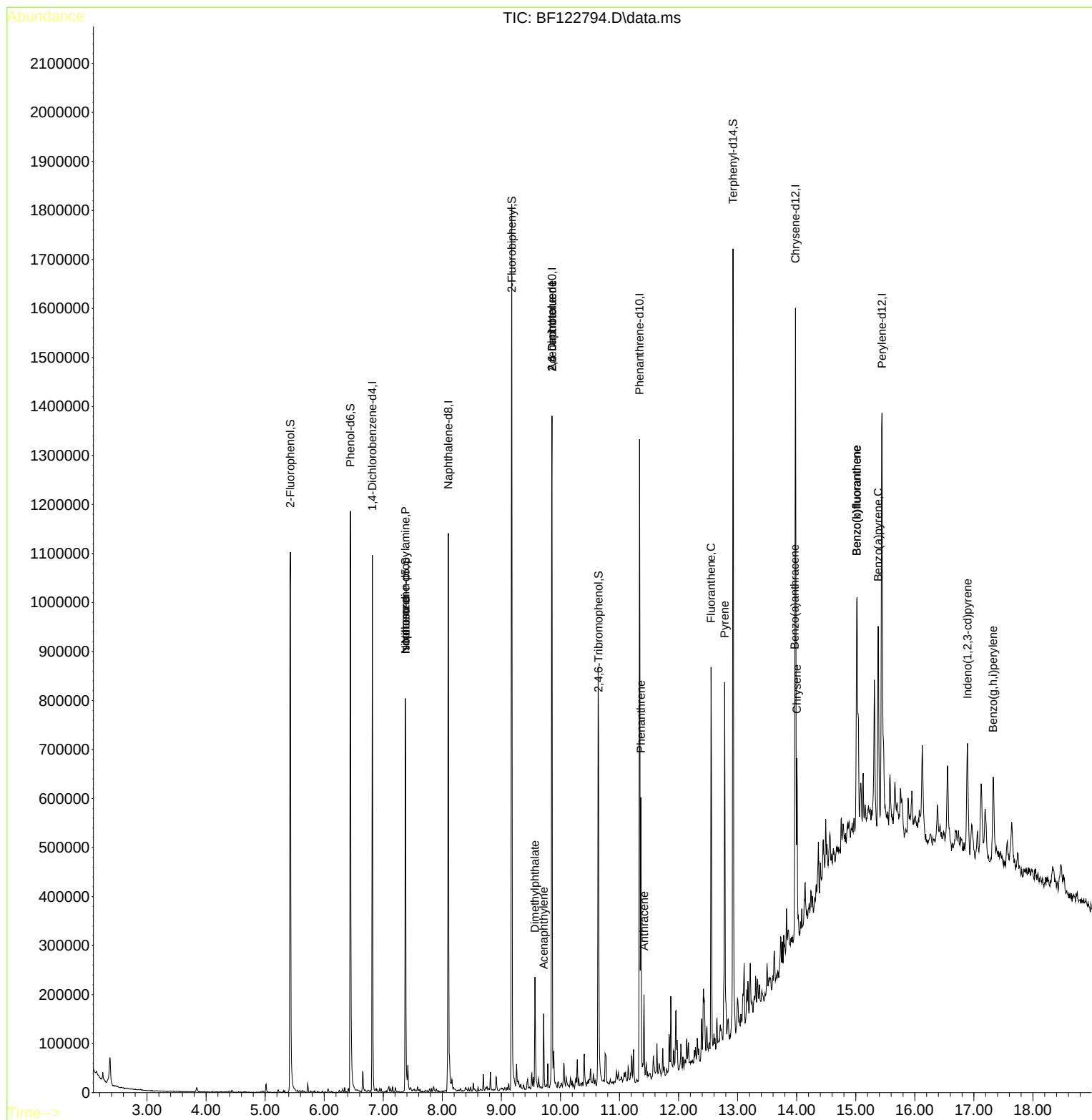
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	151630	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	574263	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	289079	20.00	ng	0.00
64) Phenanthrene-d10	11.339	188	478363	20.00	ng	0.00
76) Chrysene-d12	13.980	240	381011	20.00	ng	0.00
86) Perylene-d12	15.445	264	429262	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	355704	37.14	ng	0.00
7) Phenol-d6	6.445	99	441024	34.72	ng	-0.01
23) Nitrobenzene-d5	7.375	82	269128	23.48	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	123239	32.57	ng	0.00
45) 2-Fluorobiphenyl	9.174	172	554334	25.94	ng	-0.01
79) Terphenyl-d14	12.921	244	494137	22.70	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	33766	4.64	ng	# 77
25) Isophorone	7.375	82	269125	13.63	ng	# 65
49) Acenaphthylene	9.716	152	62011	2.11	ng	98
50) Dimethylphthalate	9.569	163	88304	3.82	ng	99
51) 2,6-Dinitrotoluene	9.857	165	38280	7.85	ng	# 31
57) 2,4-Dinitrotoluene	9.857	165	38562	5.94	ng	# 25
71) Phenanthrene	11.363	178	201342	7.08	ng	97
72) Anthracene	11.415	178	61992	2.20	ng	99
75) Fluoranthene	12.551	202	300208	10.07	ng	99
78) Pyrene	12.780	202	275656	9.36	ng	98
81) Benzo(a)anthracene	13.968	228	166969	6.56	ng	96
83) Chrysene	14.004	228	159045	6.28	ng	96
87) Indeno(1,2,3-cd)pyrene	16.892	276	149297	5.30	ng	96
88) Benzo(b)fluoranthene	15.015	252	359169	11.93	ng	# 97
89) Benzo(k)fluoranthene	15.015	252	359169	13.04	ng	97
90) Benzo(a)pyrene	15.380	252	193842	7.36	ng	96
92) Benzo(g,h,i)perylene	17.327	276	143137	6.41	ng	99

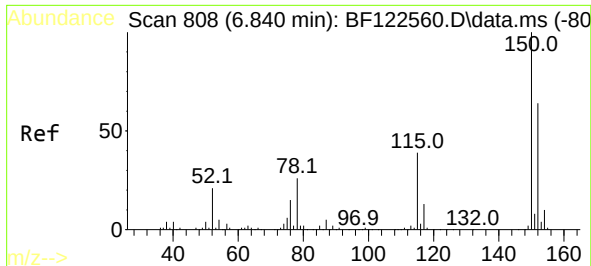
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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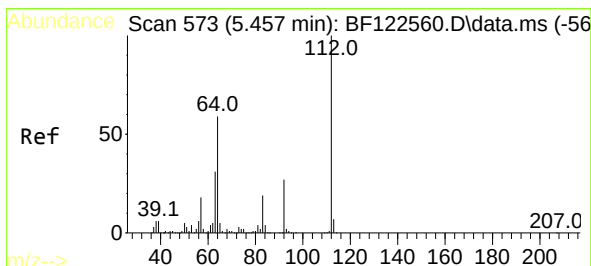
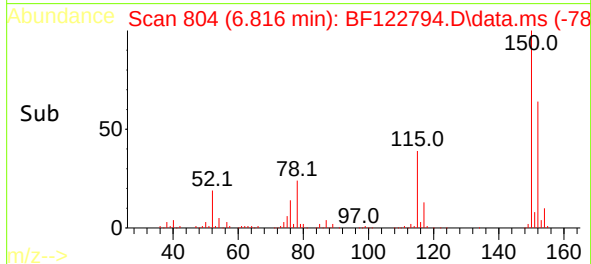
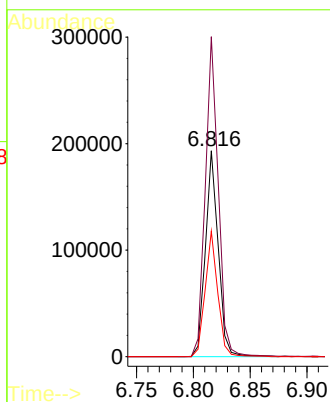
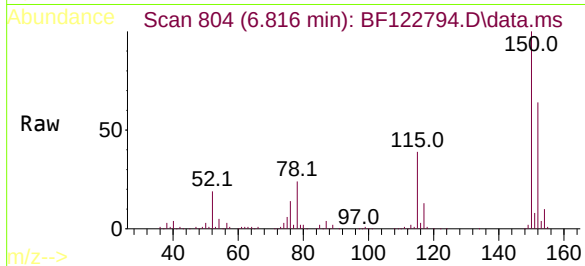




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

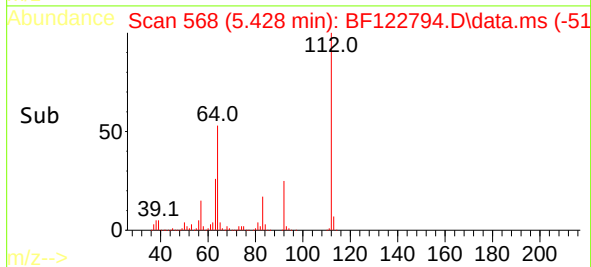
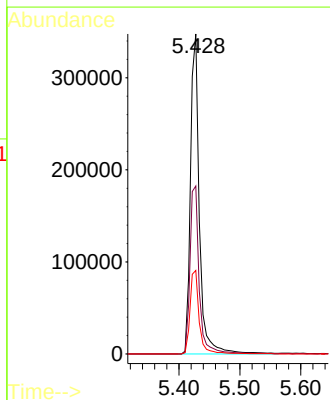
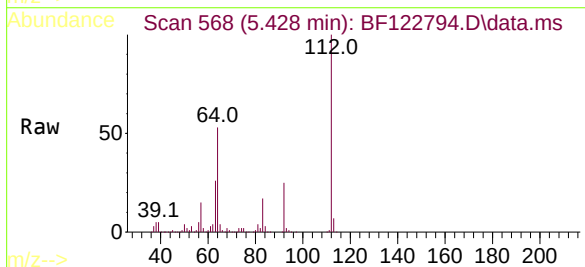
Instrument :
BNA_F
ClientSampleId :
SU-02-121620

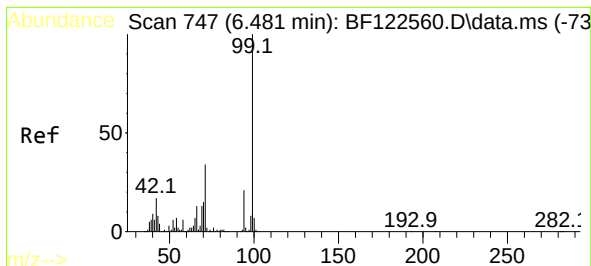
Tgt Ion:152 Resp: 151630
Ion Ratio Lower Upper
152 100
150 155.4 125.8 188.6
115 60.9 49.3 73.9



#5
2-Fluorophenol
Concen: 37.14 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

Tgt Ion:112 Resp: 355704
Ion Ratio Lower Upper
112 100
64 52.5 46.9 70.3
63 26.1 24.5 36.7





#7

Phenol-d6

Concen: 34.72 ng

RT: 6.445 min Scan# 741

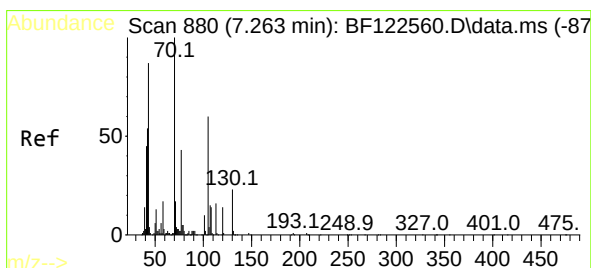
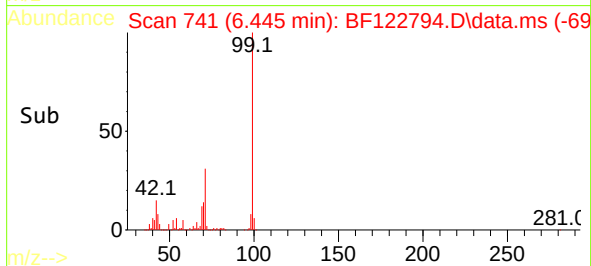
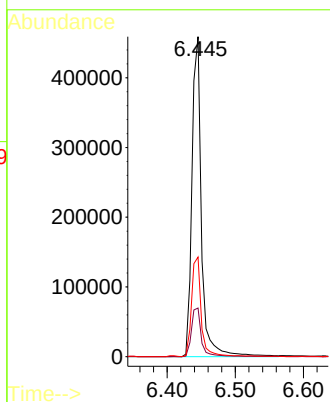
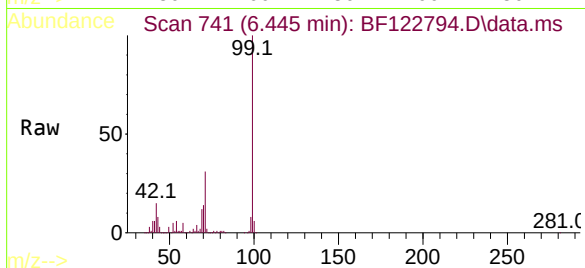
Delta R.T. -0.012 min

Lab File: BF122794.D

Acq: 18 Dec 2020 19:42

Tgt Ion: 99 Resp: 441024

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.8	20.6
71	31.1	26.9	40.3



#19

n-Nitroso-di-n-propylamine

Concen: 4.64 ng

RT: 7.375 min Scan# 899

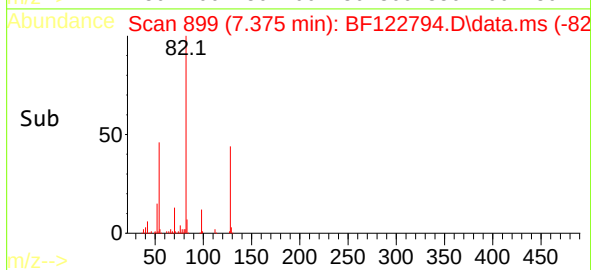
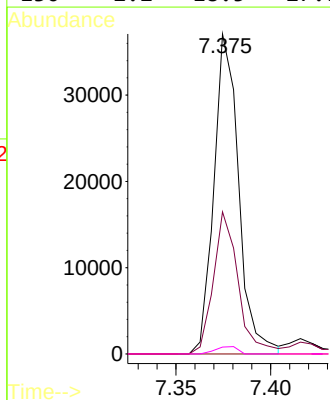
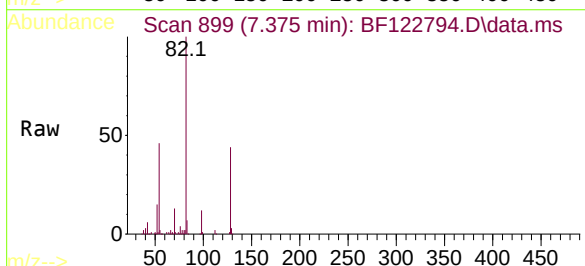
Delta R.T. 0.135 min

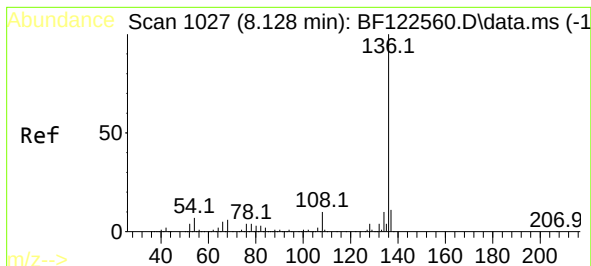
Lab File: BF122794.D

Acq: 18 Dec 2020 19:42

Tgt Ion: 70 Resp: 33766

Ion	Ratio	Lower	Upper
70	100		
42	44.4	43.0	64.4
101	0.0	7.9	11.9#
130	2.2	18.5	27.7#

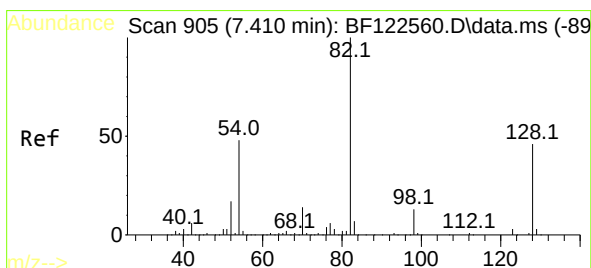
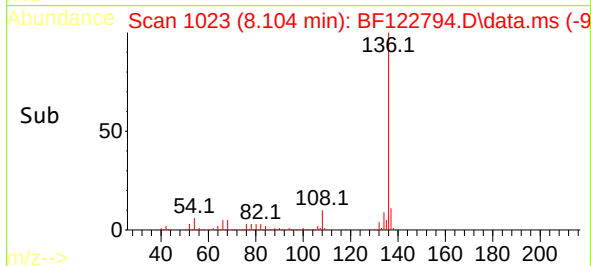
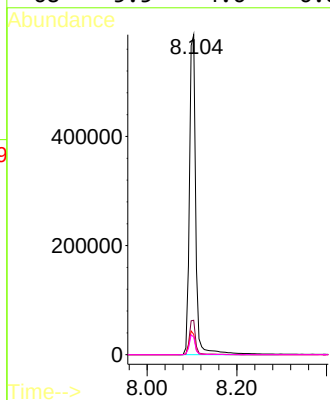
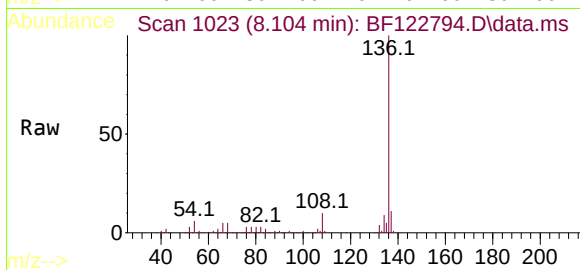




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

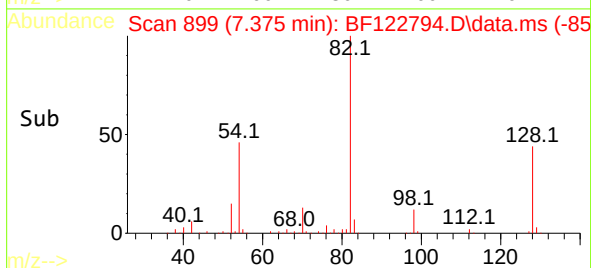
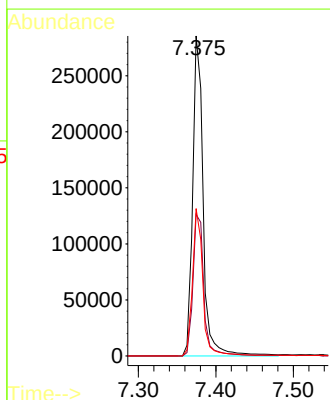
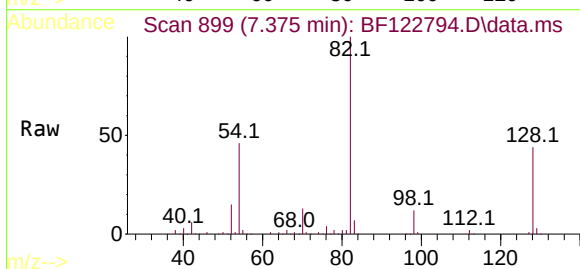
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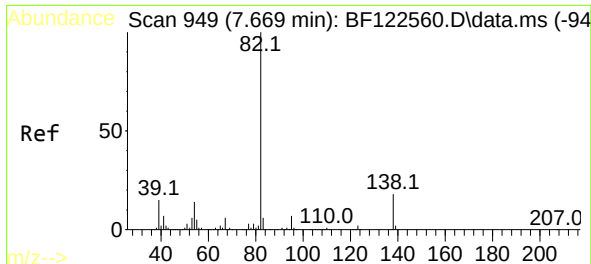
Tgt Ion:	136	Resp:	574263
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.4	5.5	8.3
68	5.5	4.6	6.8



#23
Nitrobenzene-d5
Concen: 23.48 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

Tgt Ion:	82	Resp:	269128
Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.0	55.4
54	46.1	38.4	57.6

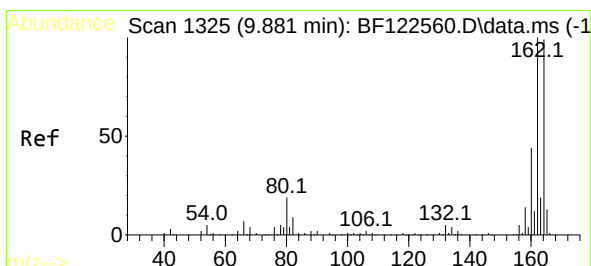
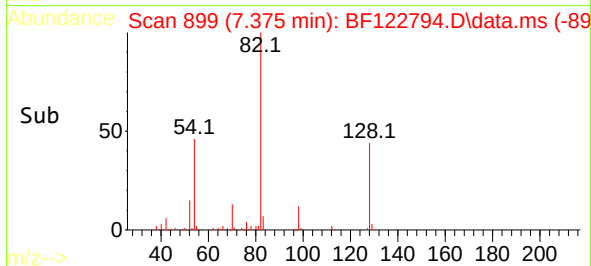
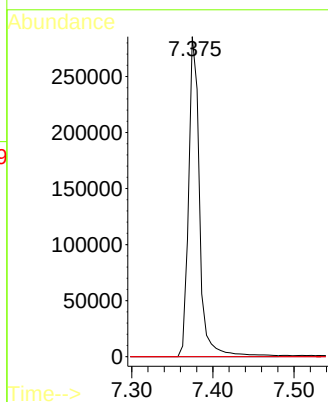
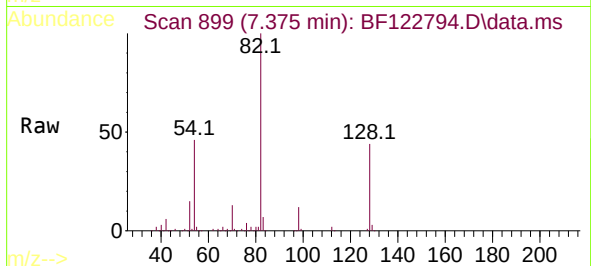




#25
Isophorone
Concen: 13.63 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

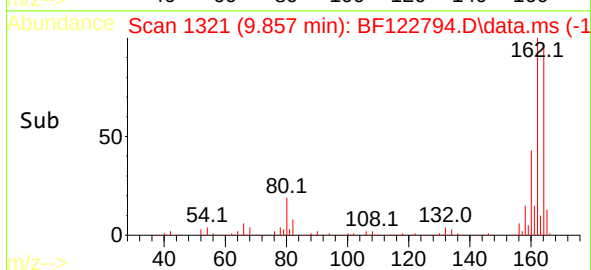
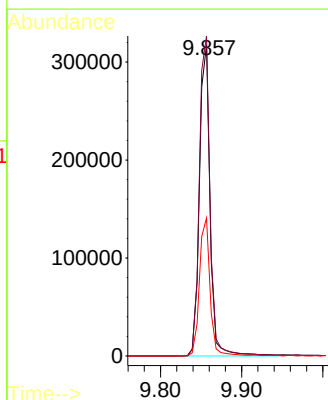
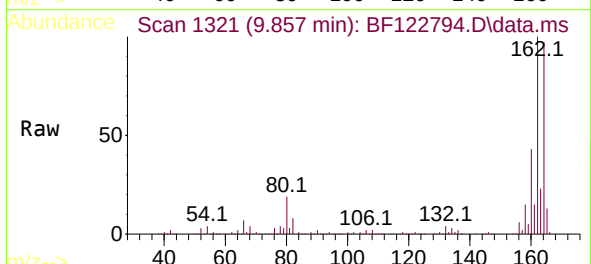
Instrument :
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ClientSampleId :
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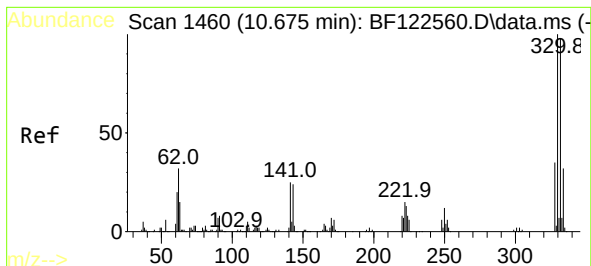
Tgt Ion: 82 Resp: 269125
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

Tgt Ion: 164 Resp: 289079
Ion Ratio Lower Upper
164 100
162 102.8 80.8 121.2
160 44.3 35.4 53.0

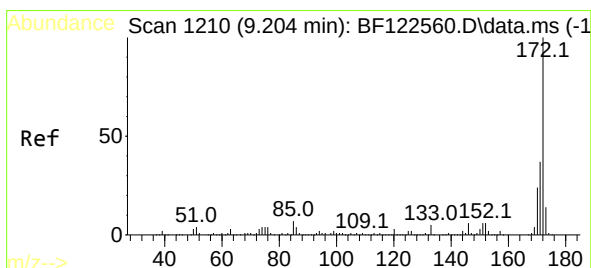
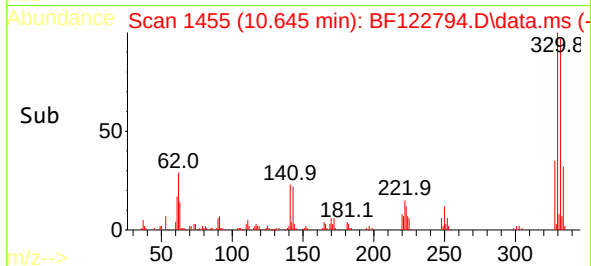
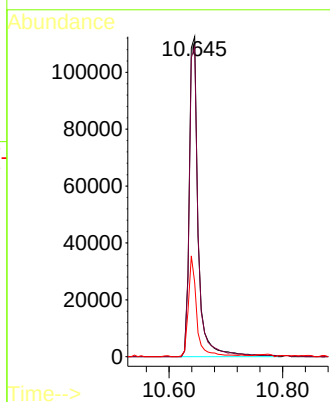
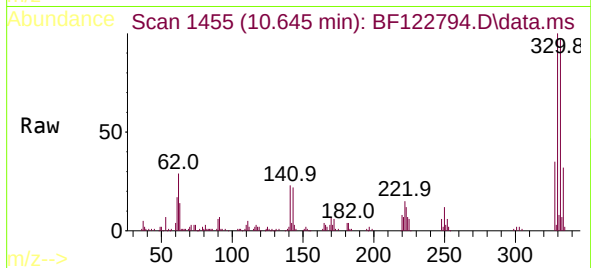




#42
2,4,6-Tribromophenol
Concen: 32.57 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

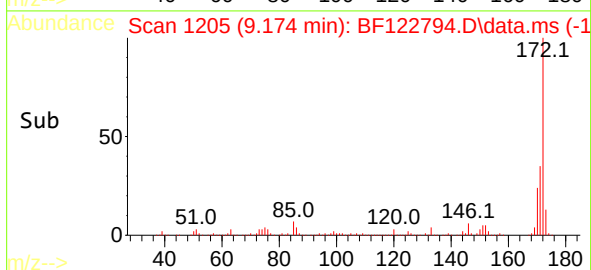
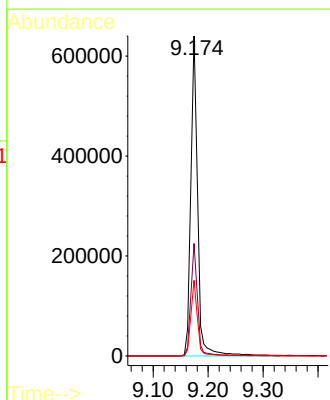
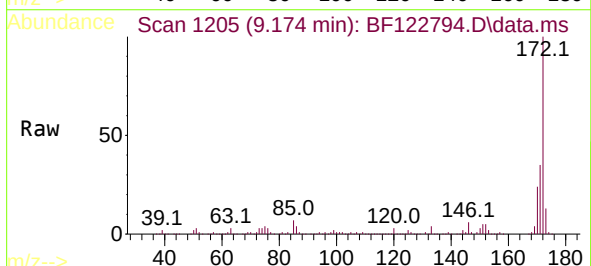
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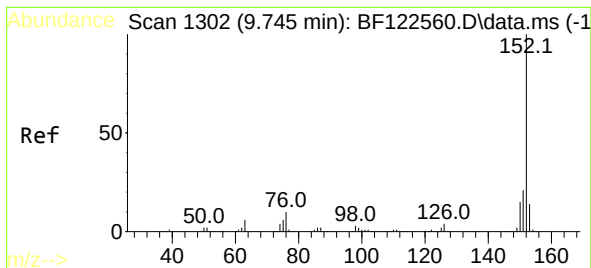
Tgt Ion: 330 Resp: 123239
Ion Ratio Lower Upper
330 100
332 97.6 77.5 116.3
141 29.4 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 25.94 ng
RT: 9.174 min Scan# 1205
Delta R.T. -0.012 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

Tgt Ion: 172 Resp: 554334
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 23.6 19.5 29.3





#49

Acenaphthylene

Concen: 2.11 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF122794.D

Acq: 18 Dec 2020 19:42

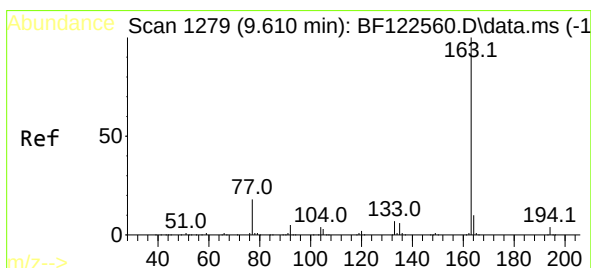
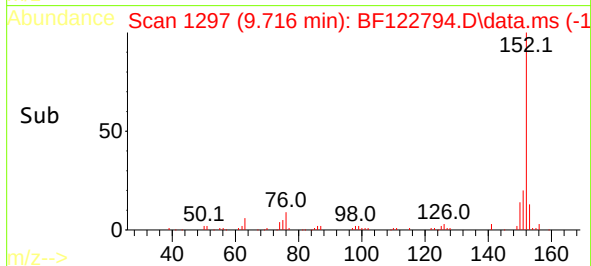
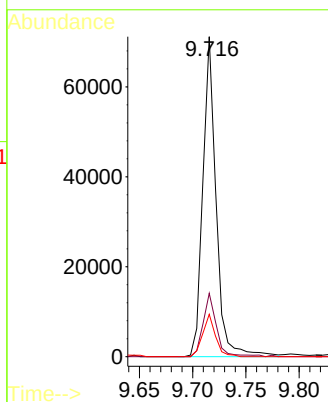
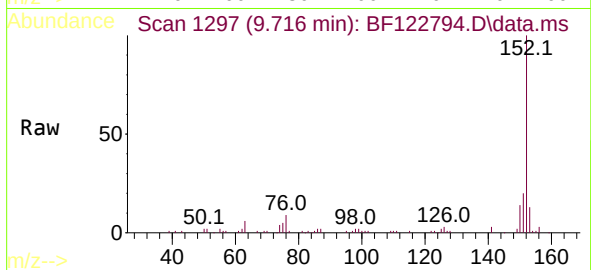
Tgt Ion:	152	Resp:	62011
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.6	25.0
153	13.3	10.9	16.3

Instrument :

BNA_F

ClientSampleId :

SU-02-121620



#50

Dimethylphthalate

Concen: 3.82 ng

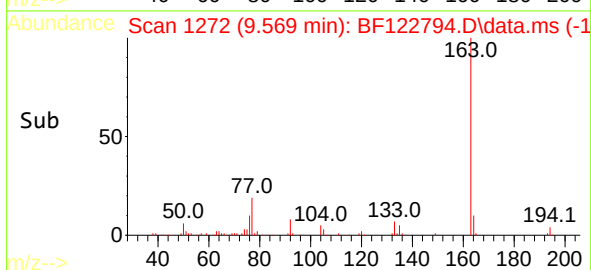
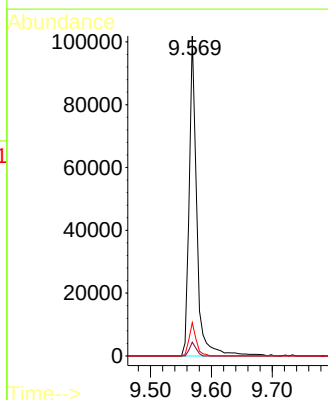
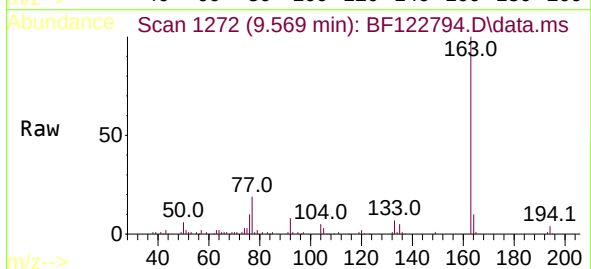
RT: 9.569 min Scan# 1272

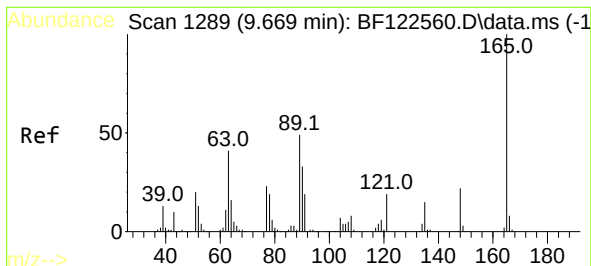
Delta R.T. -0.018 min

Lab File: BF122794.D

Acq: 18 Dec 2020 19:42

Tgt Ion:	163	Resp:	88304
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.4	5.0
164	10.4	8.1	12.1

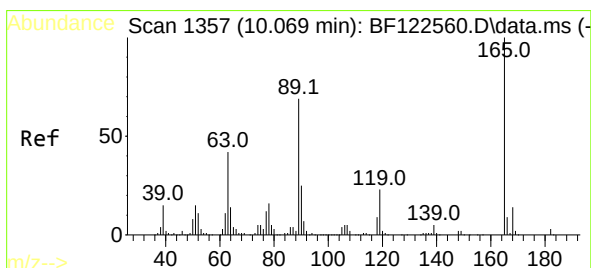
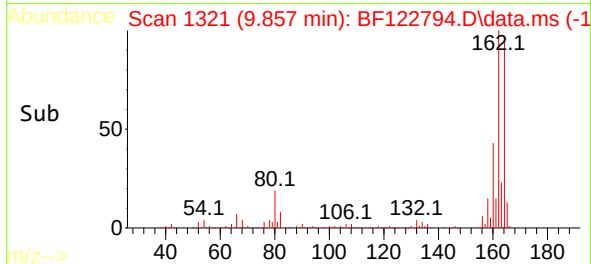
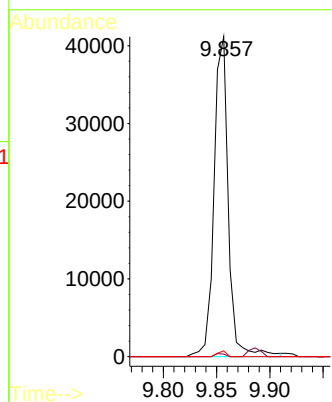
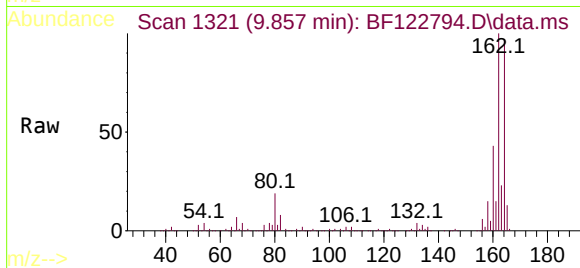




#51
2,6-Dinitrotoluene
Concen: 7.85 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.211 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

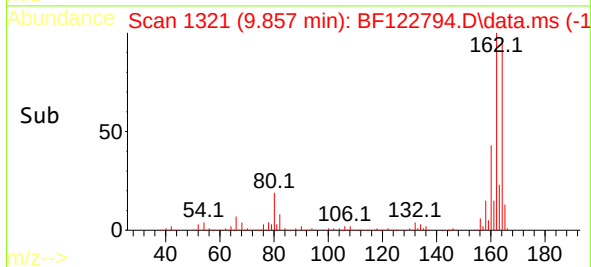
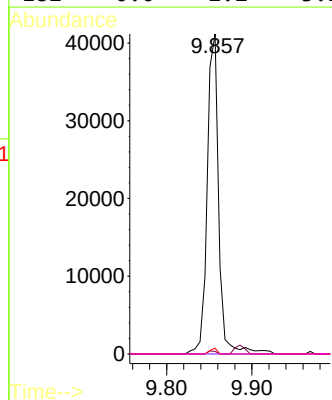
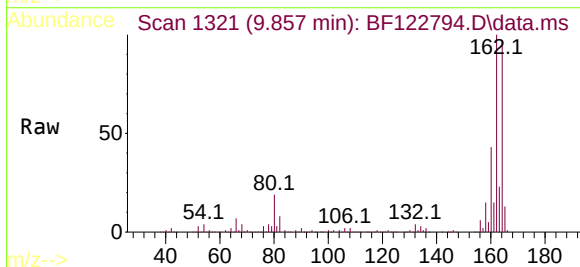
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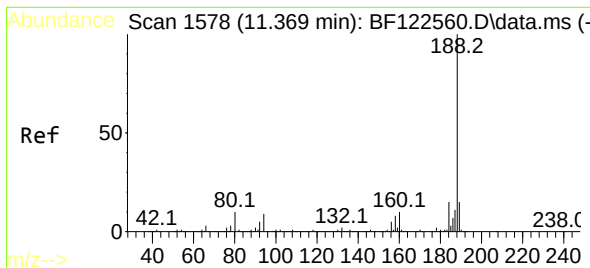
Tgt Ion:165 Resp: 38280
Ion Ratio Lower Upper
165 100
63 0.8 36.6 55.0#
89 1.8 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.94 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

Tgt Ion:165 Resp: 38562
Ion Ratio Lower Upper
165 100
63 0.8 34.3 51.5#
89 1.8 55.2 82.8#
182 0.0 2.2 3.2#

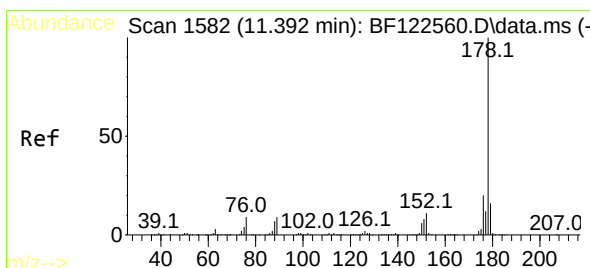
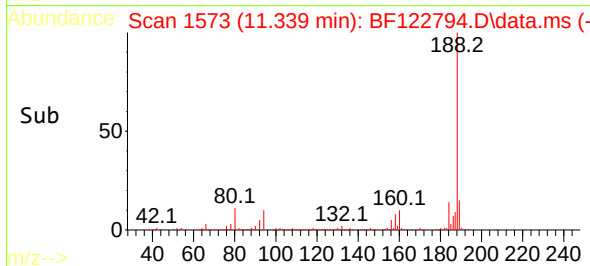
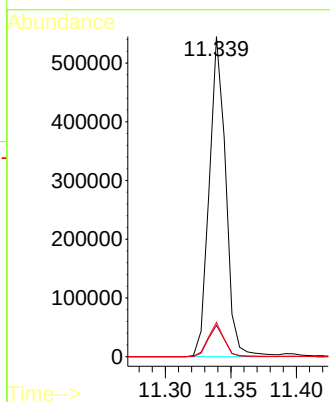
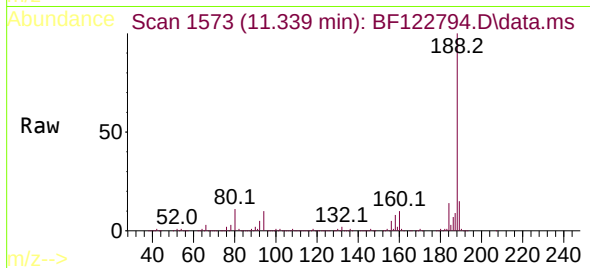




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

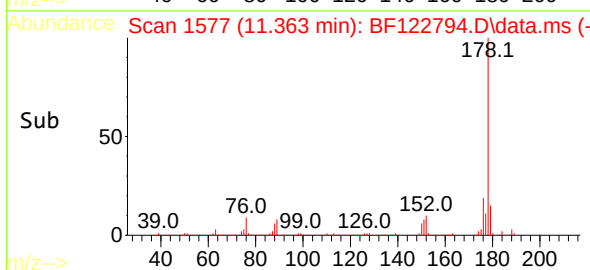
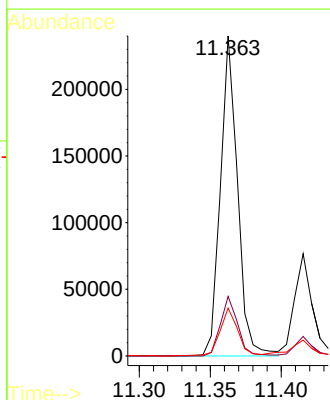
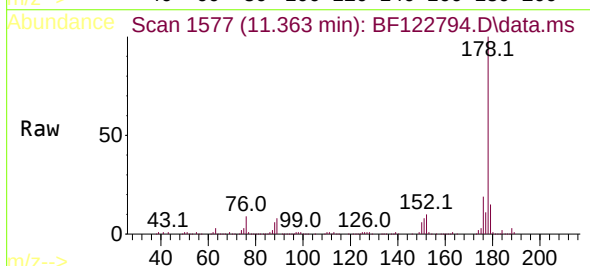
Instrument :
BNA_F
ClientSampleId :
SU-02-121620

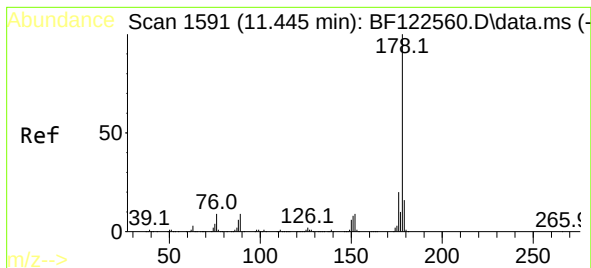
Tgt Ion:188 Resp: 478363
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 10.7 8.2 12.4



#71
Phenanthrene
Concen: 7.08 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

Tgt Ion:178 Resp: 201342
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.2
179 14.9 12.7 19.1

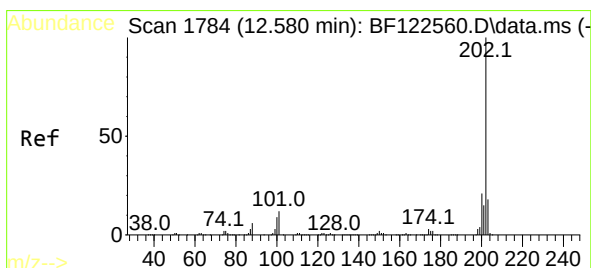
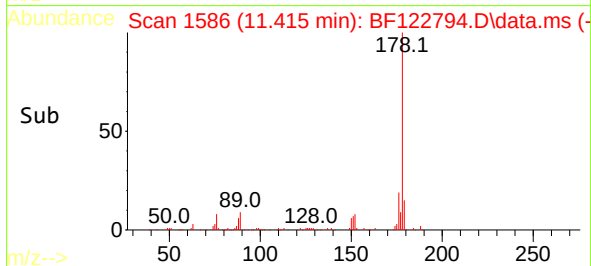
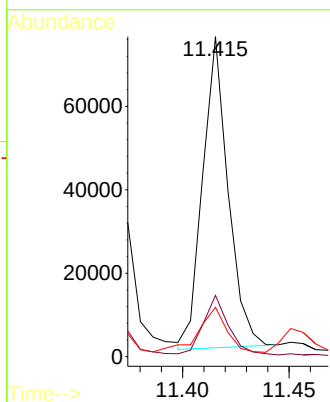
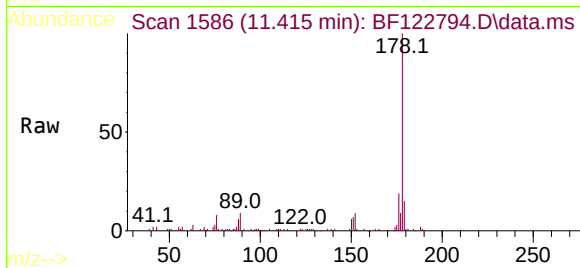




#72
 Anthracene
 Concen: 2.20 ng
 RT: 11.415 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF122794.D
 Acq: 18 Dec 2020 19:42

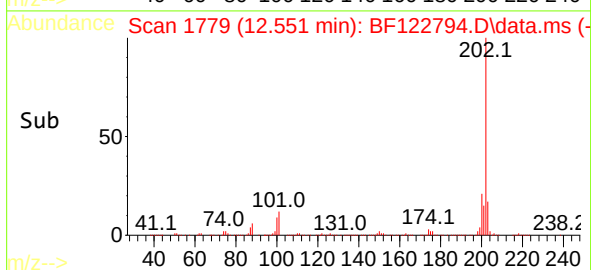
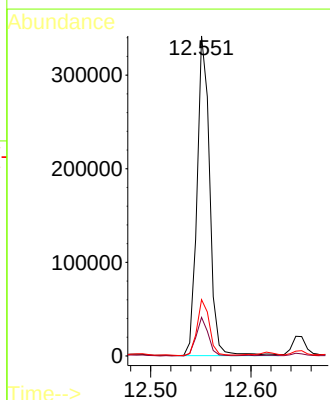
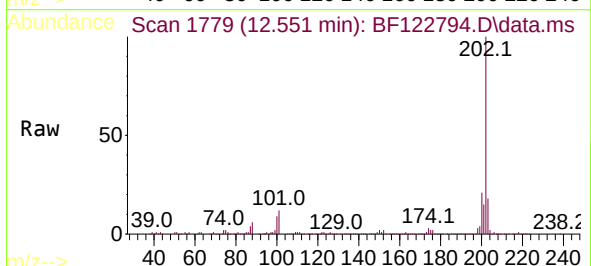
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-121620

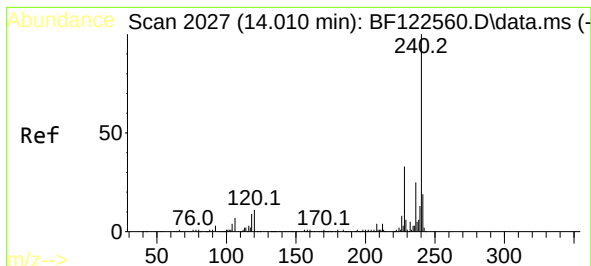
Tgt Ion:178	Resp:	61992
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.6 23.4
179	15.5	12.8 19.2



#75
 Fluoranthene
 Concen: 10.07 ng
 RT: 12.551 min Scan# 1779
 Delta R.T. -0.006 min
 Lab File: BF122794.D
 Acq: 18 Dec 2020 19:42

Tgt Ion:202	Resp:	300208
Ion Ratio	Lower	Upper
202	100	
101	12.0	0.0 32.2
203	17.6	0.0 38.1

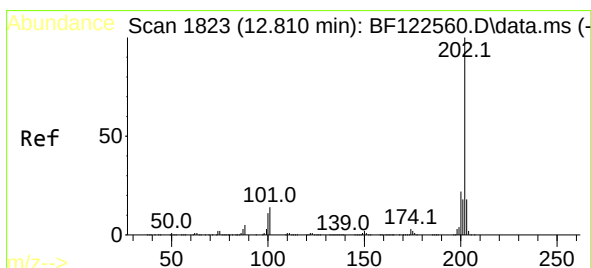
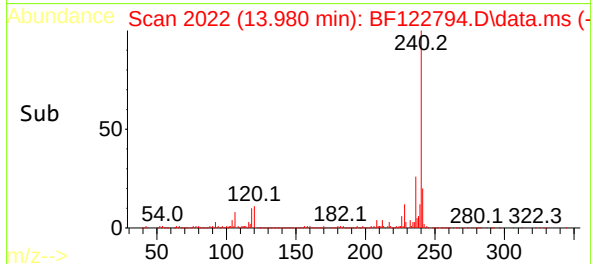
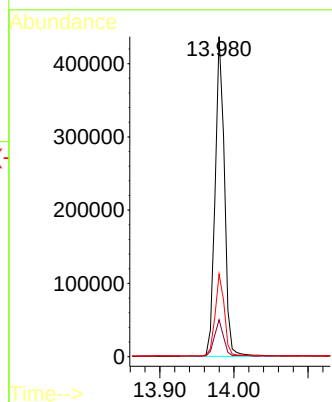
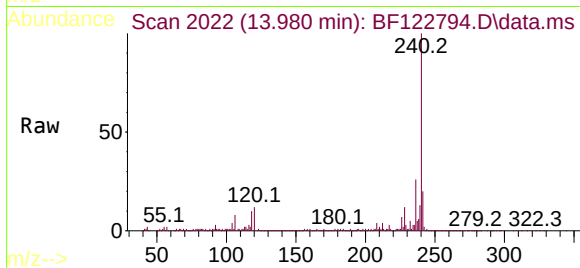




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

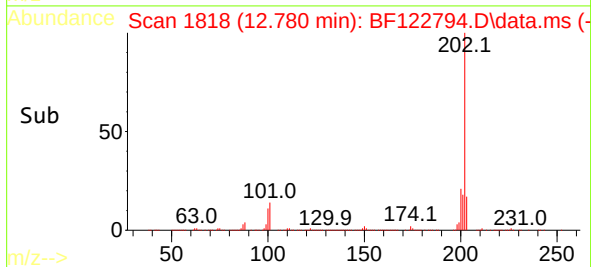
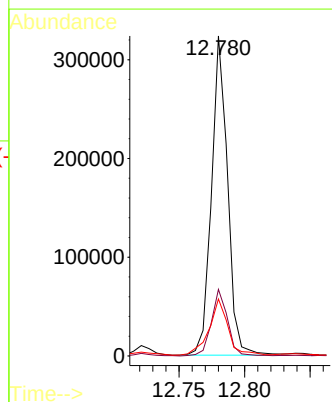
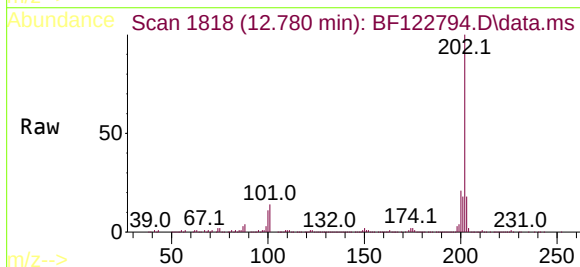
Instrument :
BNA_F
ClientSampleId :
SU-02-121620

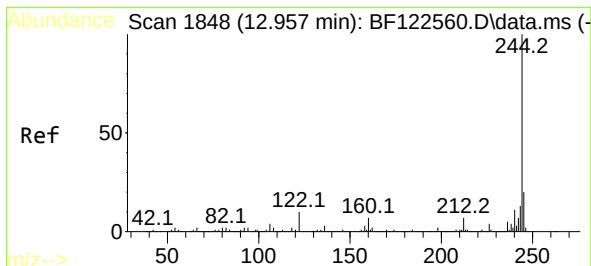
Tgt Ion:240 Resp: 381011
Ion Ratio Lower Upper
240 100
120 11.6 8.6 12.8
236 25.8 20.3 30.5



#78
Pyrene
Concen: 9.36 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

Tgt Ion:202 Resp: 275656
Ion Ratio Lower Upper
202 100
200 20.8 17.6 26.4
203 17.8 14.6 21.8





#79

Terphenyl-d14

Concen: 22.70 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.012 min

Lab File: BF122794.D

Acq: 18 Dec 2020 19:42

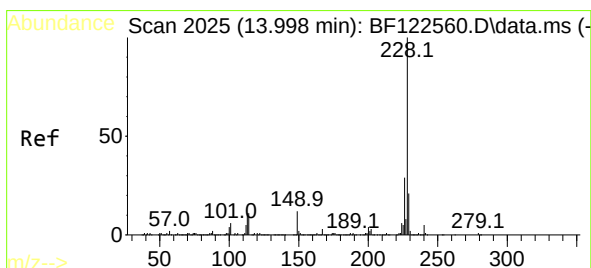
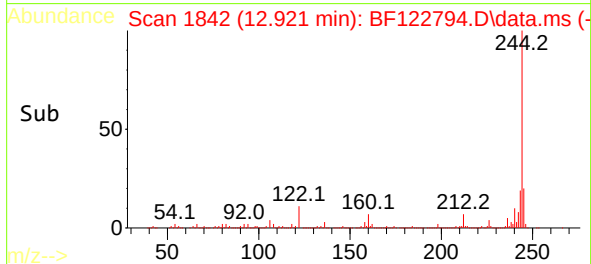
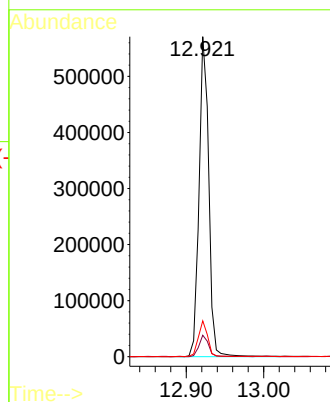
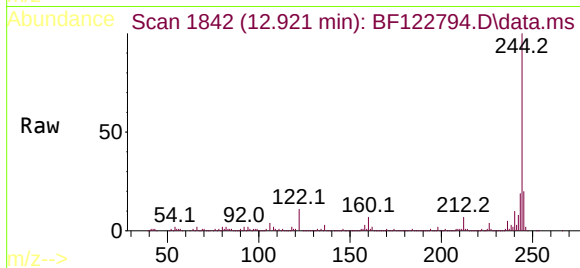
Tgt Ion:	244	Resp:	494137
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.7	8.5
122	11.2	8.3	12.5

Instrument :

BNA_F

ClientSampleId :

SU-02-121620



#81

Benzo(a)anthracene

Concen: 6.56 ng

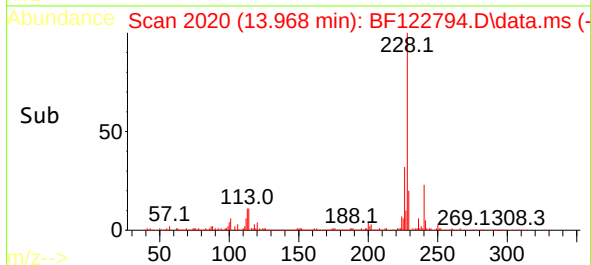
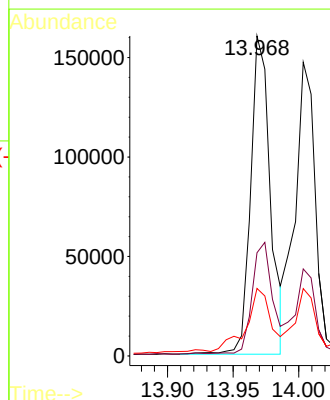
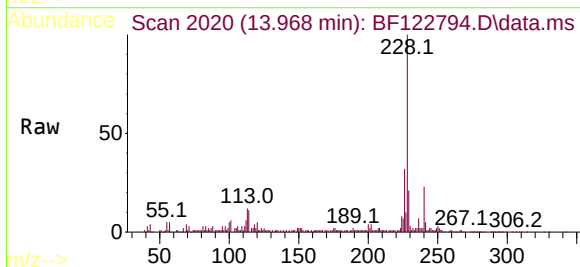
RT: 13.968 min Scan# 2020

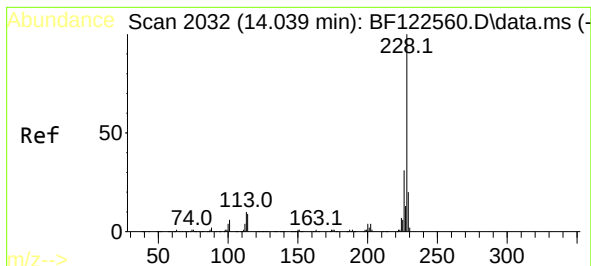
Delta R.T. -0.006 min

Lab File: BF122794.D

Acq: 18 Dec 2020 19:42

Tgt Ion:	228	Resp:	166969
Ion Ratio	Lower	Upper	
228	100		
226	32.2	23.0	34.4
229	21.1	16.6	24.8





#83

Chrysene

Concen: 6.28 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF122794.D

Acq: 18 Dec 2020 19:42

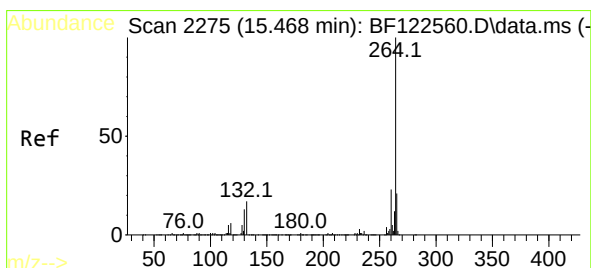
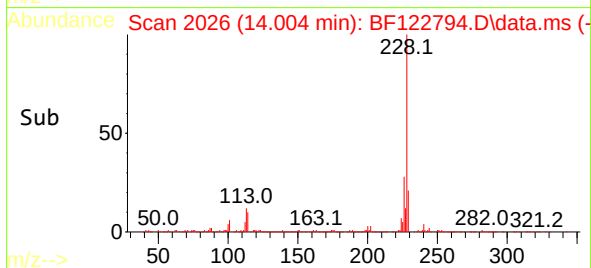
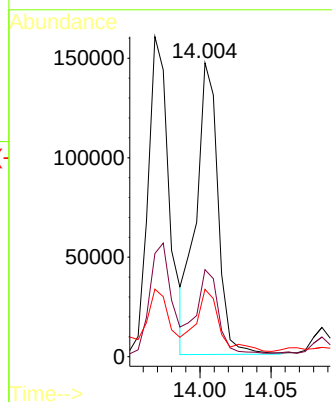
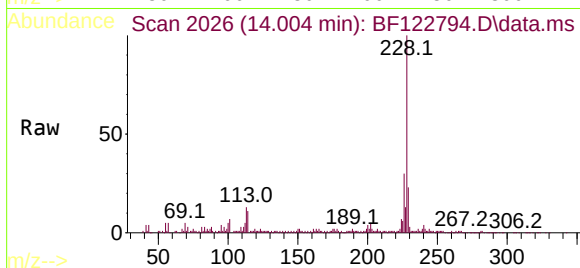
Tgt Ion:228	Resp: 159045
Ion Ratio	Lower Upper
228	100
226	29.6 24.6 36.8
229	22.9 15.8 23.6

Instrument :

BNA_F

ClientSampleId :

SU-02-121620



#86

Perylene-d12

Concen: 20.00 ng

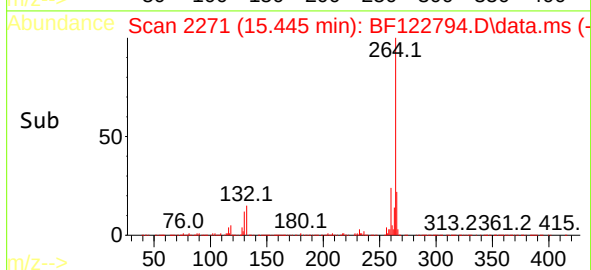
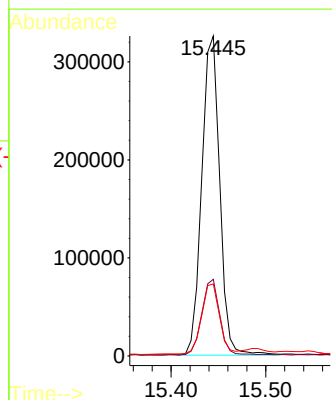
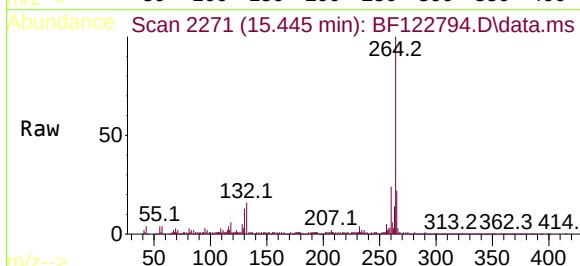
RT: 15.445 min Scan# 2271

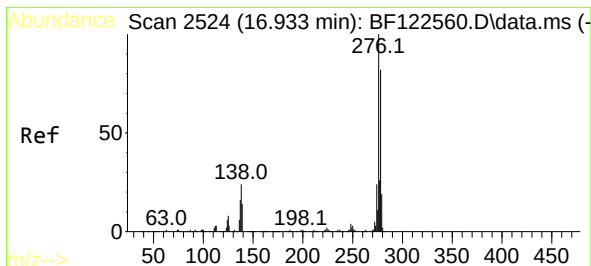
Delta R.T. 0.006 min

Lab File: BF122794.D

Acq: 18 Dec 2020 19:42

Tgt Ion:264	Resp: 429262
Ion Ratio	Lower Upper
264	100
260	24.0 18.6 28.0
265	22.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.30 ng

RT: 16.892 min Scan# 2517

Delta R.T. -0.000 min

Lab File: BF122794.D

Acq: 18 Dec 2020 19:42

Instrument :

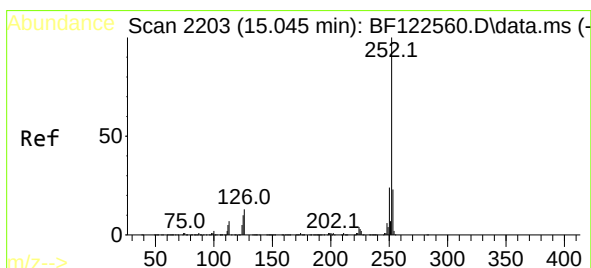
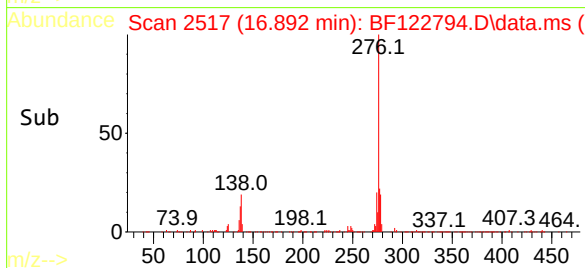
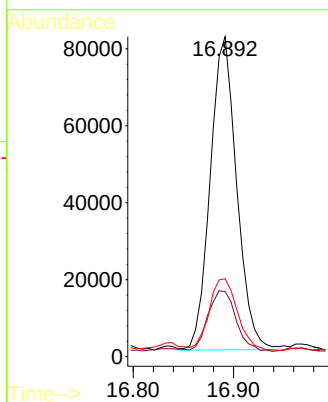
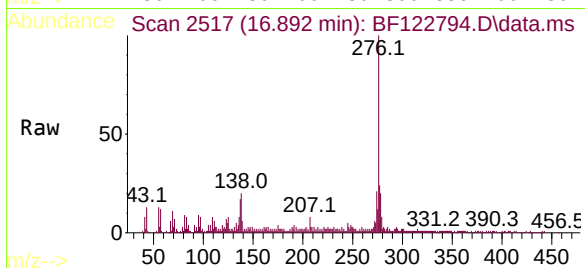
BNA_F

ClientSampleId :

SU-02-121620

Tgt Ion:276 Resp: 149297

Ion	Ratio	Lower	Upper
276	100		
138	20.5	18.7	28.1
277	24.5	20.2	30.4



#88

Benzo(b)fluoranthene

Concen: 11.93 ng

RT: 15.015 min Scan# 2198

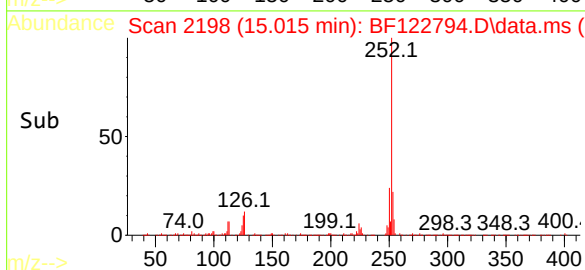
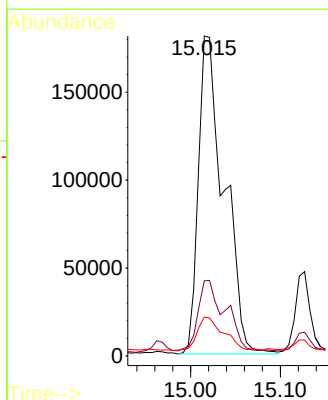
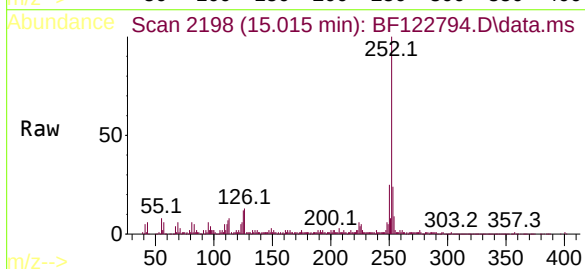
Delta R.T. -0.006 min

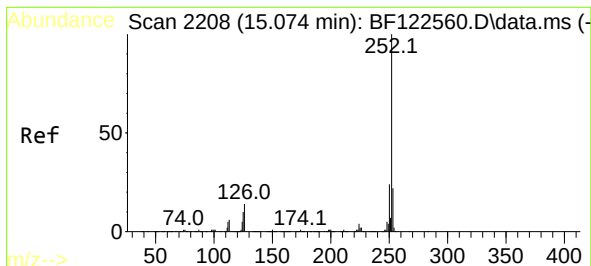
Lab File: BF122794.D

Acq: 18 Dec 2020 19:42

Tgt Ion:252 Resp: 359169

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.3	27.5
125	12.1	8.1	12.1#

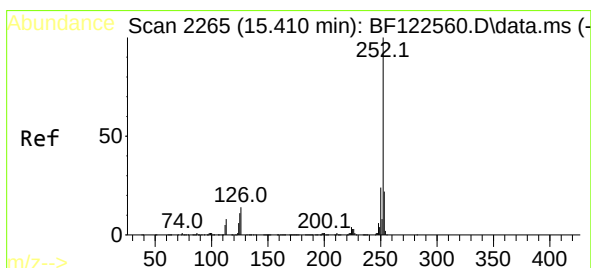
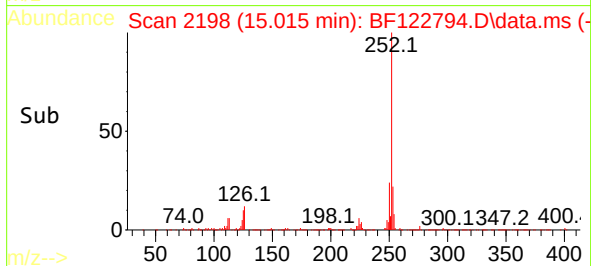
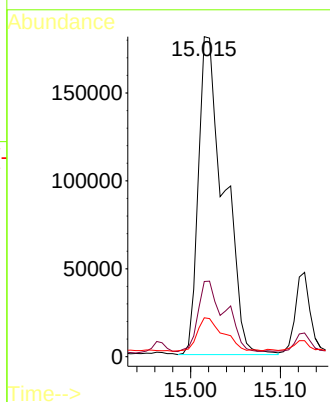
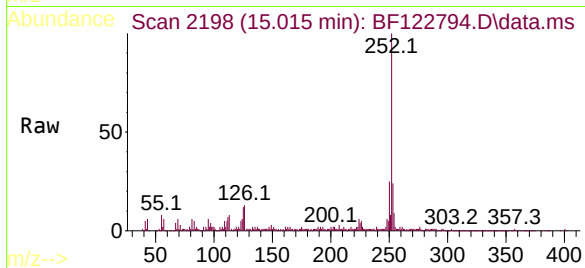




#89
Benzo(k)fluoranthene
Concen: 13.04 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.036 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

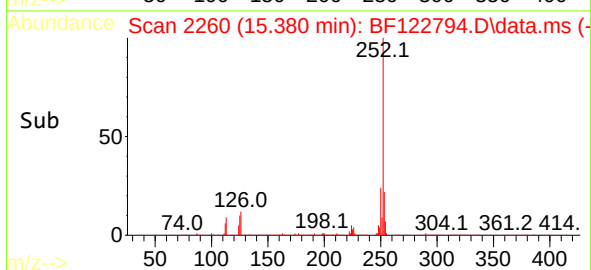
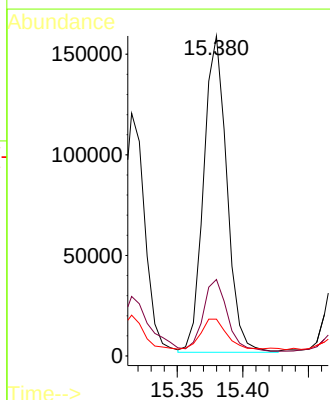
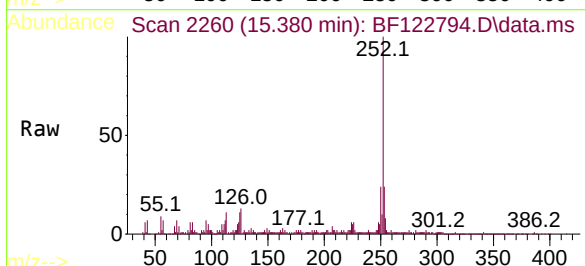
Instrument :
BNA_F
ClientSampleId :
SU-02-121620

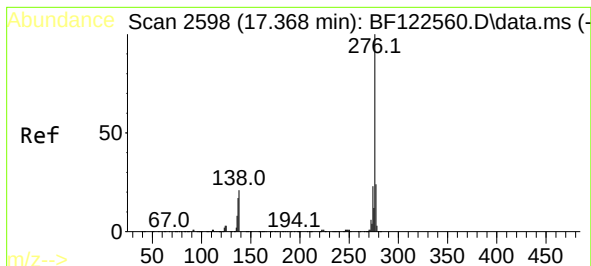
Tgt Ion:252 Resp: 359169
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 12.1 8.4 12.6



#90
Benzo(a)pyrene
Concen: 7.36 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF122794.D
Acq: 18 Dec 2020 19:42

Tgt Ion:252 Resp: 193842
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 11.5 8.6 12.8





#92

Benzo(g,h,i)perylene

Concen: 6.41 ng

RT: 17.327 min Scan# 2591

Delta R.T. -0.000 min

Lab File: BF122794.D

Acq: 18 Dec 2020 19:42

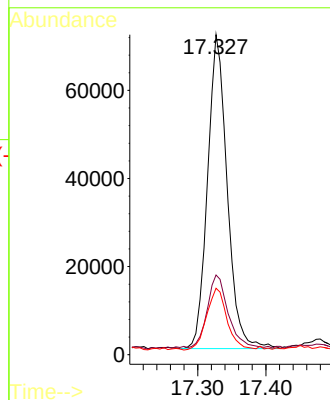
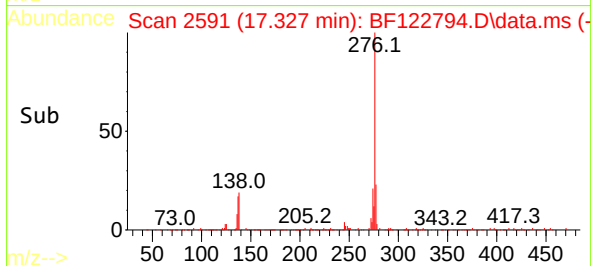
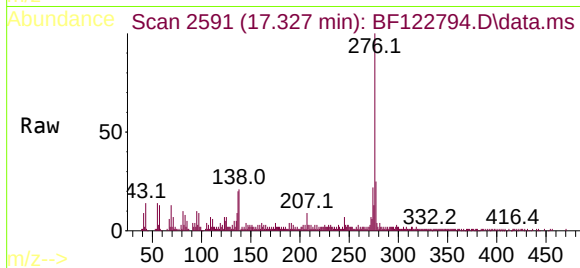
Tgt Ion: 276 Resp: 143137

Ion Ratio Lower Upper

276 100

277 24.9 19.3 28.9

138 20.8 16.6 24.8



Instrument :

BNA_F

ClientSampleId :

SU-02-121620