

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
 Data File : BF124380.D
 Acq On : 18 Jun 2021 18:32
 Operator : JU/CG
 Sample : M2709-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0222-COMP-N(DISCRETE-CL-22)

Quant Time: Jun 18 23:17:41 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:09:26 2021
 Response via : Initial Calibration

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

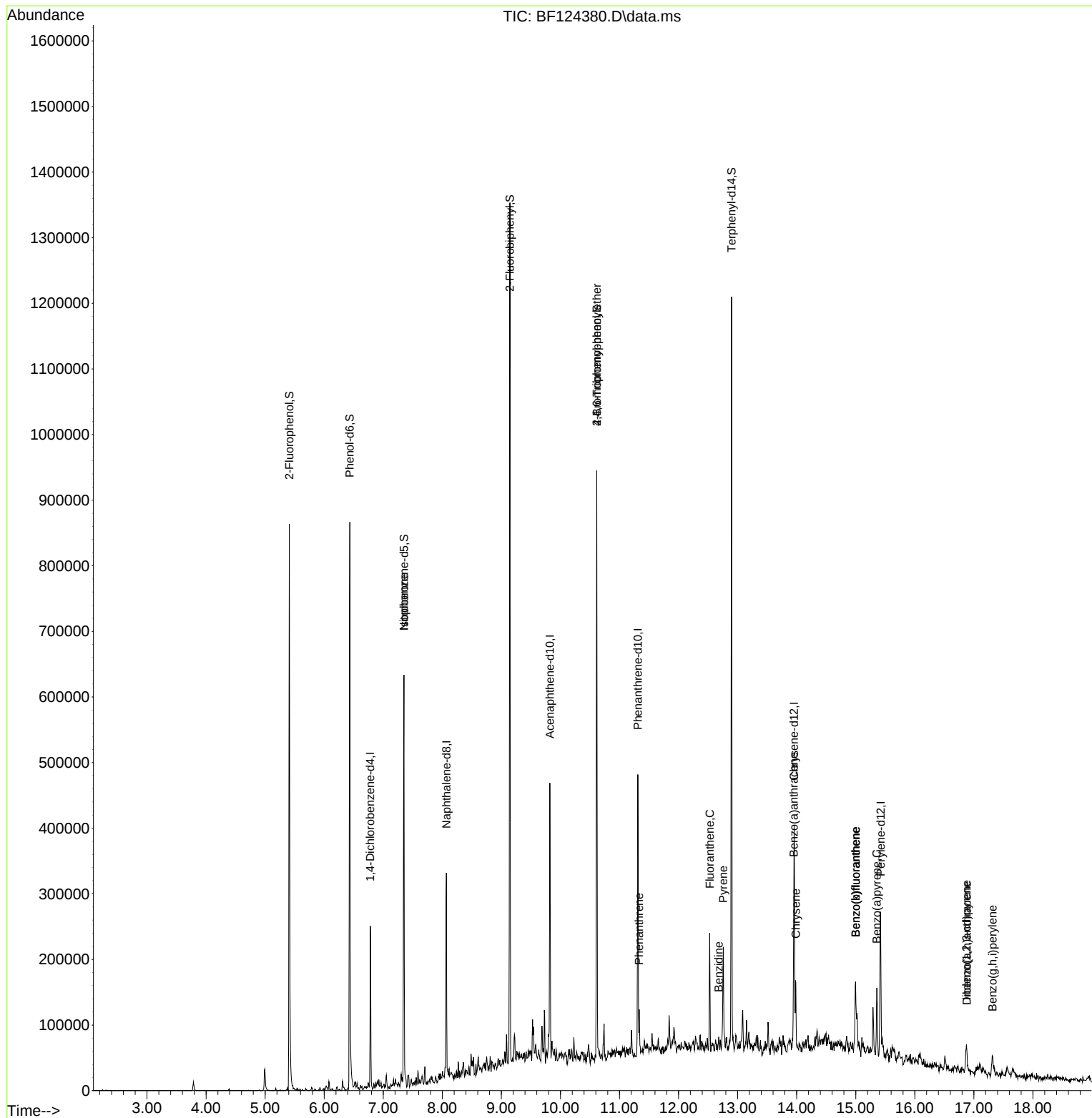
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	29893	20.00	ng	0.00
21) Naphthalene-d8	8.069	136	115121	20.00	ng	0.00
39) Acenaphthene-d10	9.822	164	70356	20.00	ng	0.00
64) Phenanthrene-d10	11.310	188	133823	20.00	ng	0.00
76) Chrysene-d12	13.957	240	86902	20.00	ng	0.00
86) Perylene-d12	15.421	264	86401	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	196234	98.82	ng	0.00
7) Phenol-d6	6.434	99	244990	91.78	ng	-0.01
23) Nitrobenzene-d5	7.351	82	178186	61.39	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	88898	89.19	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	311592	55.73	ng	0.00
79) Terphenyl-d14	12.898	244	313913	49.59	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.351	82	176019	33.65	ng	# 70
67) 4-Bromophenyl-phenylether	10.616	248	5920	3.22	ng	# 1
71) Phenanthrene	11.333	178	20225	2.42	ng	# 88
75) Fluoranthene	12.527	202	59322	6.76	ng	93
77) Benzidine	12.680	184	511	4.29	ng	# 26
78) Pyrene	12.757	202	59227	7.10	ng	97
81) Benzo(a)anthracene	13.951	228	39483	6.24	ng	98
83) Chrysene	13.986	228	41022	6.72	ng	97
87) Indeno(1,2,3-cd)pyrene	16.874	276	20654	6.95	ng	98
88) Benzo(b)fluoranthene	14.998	252	70806	10.55	ng	# 95
89) Benzo(k)fluoranthene	14.998	252	70806	11.14	ng	# 95
90) Benzo(a)pyrene	15.357	252	38761	6.65	ng	95
91) Dibenzo(a,h)anthracene	16.880	278	7833	5.34	ng	# 69
92) Benzo(g,h,i)perylene	17.315	276	21815	7.12	ng	# 81

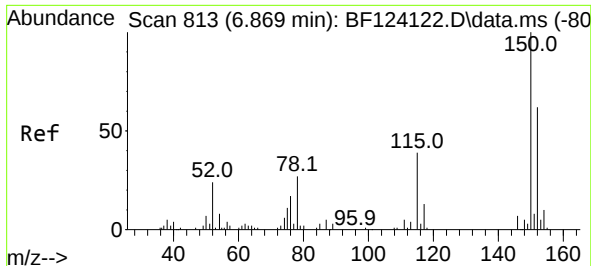
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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0222-COMP-N(DISCRETE-CL-22)

Quant Time: Jun 18 23:17:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 15 20:09:26 2021
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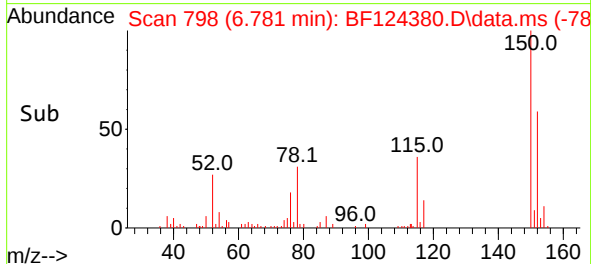
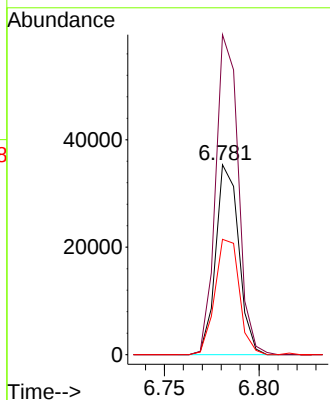
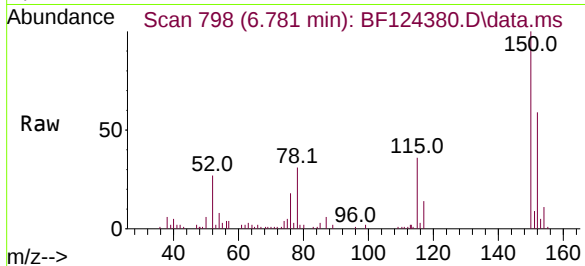




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

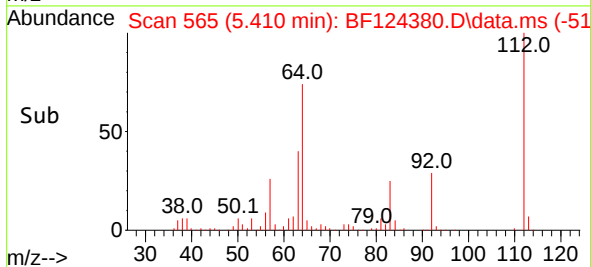
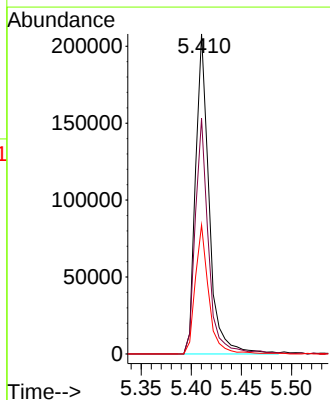
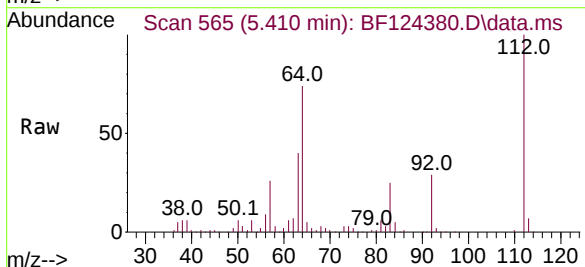
Instrument :
BNA_F
ClientSampleId :
0222-COMP-N(DISCRETE-CL-22)

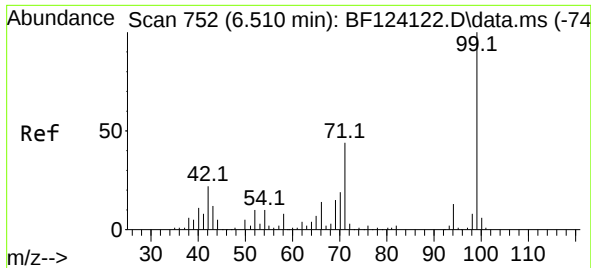
Tgt Ion:152 Resp: 29893
Ion Ratio Lower Upper
152 100
150 168.6 127.0 190.6
115 60.8 54.3 81.5



#5
2-Fluorophenol
Concen: 98.82 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

Tgt Ion:112 Resp: 196234
Ion Ratio Lower Upper
112 100
64 73.6 61.4 92.0
63 40.3 33.0 49.4

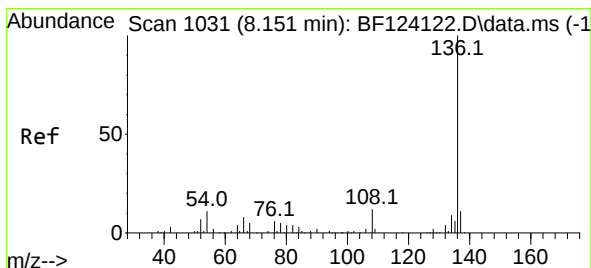
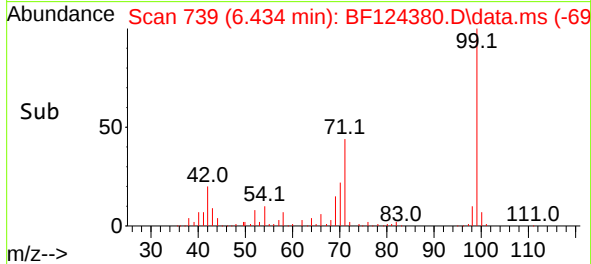
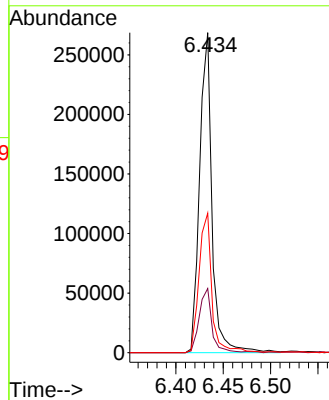
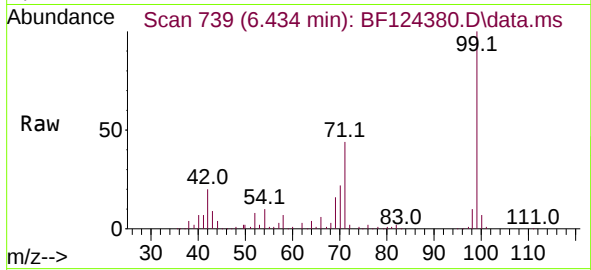




#7
Phenol-d6
Concen: 91.78 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

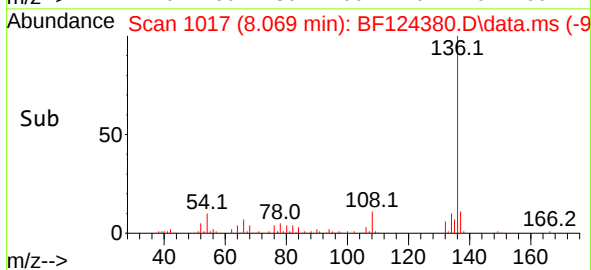
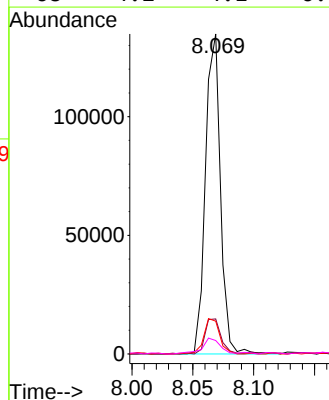
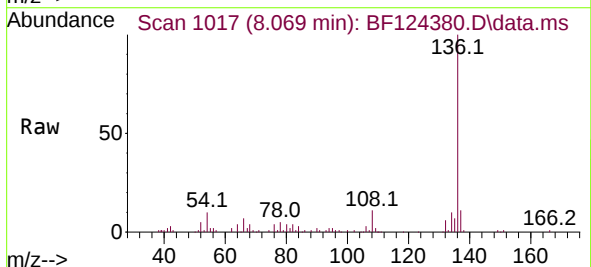
Instrument :
BNA_F
ClientSampleId :
0222-COMP-N(DISCRETE-CL-22)

Tgt Ion: 99 Resp: 244990
Ion Ratio Lower Upper
99 100
42 20.1 19.8 29.8
71 43.6 31.1 46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

Tgt Ion:136 Resp: 115121
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 10.2 9.8 14.6
68 4.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 61.39 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF124380.D

Acq: 18 Jun 2021 18:32

Instrument :

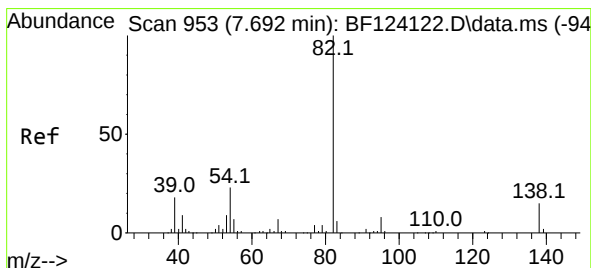
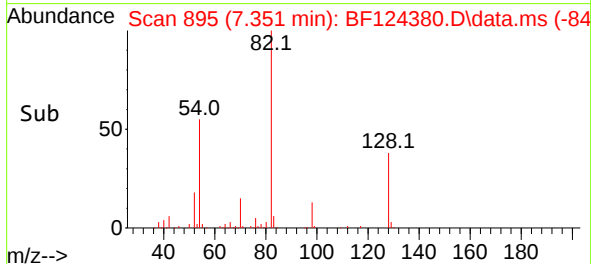
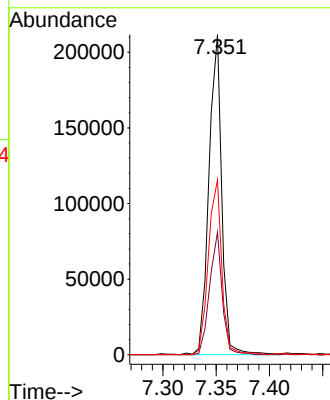
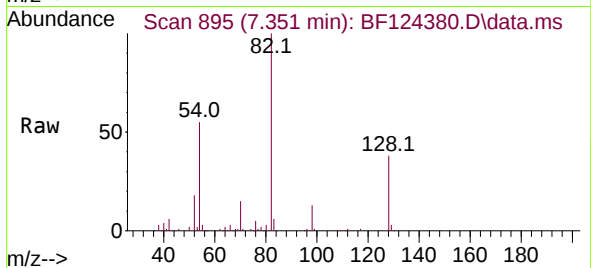
BNA_F

ClientSampleId :

0222-COMP-N(DISCRETE-CL-22)

Tgt Ion: 82 Resp: 178186

Ion	Ratio	Lower	Upper
82	100		
128	38.3	29.4	44.2
54	54.6	54.1	81.1



#25

Isophorone

Concen: 33.65 ng

RT: 7.351 min Scan# 895

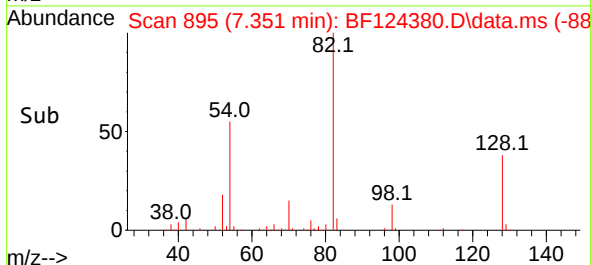
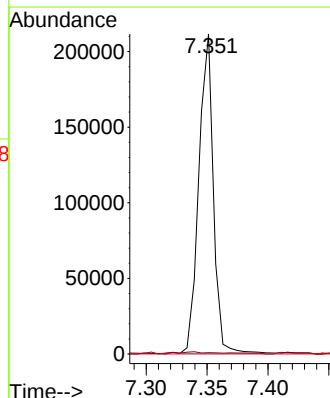
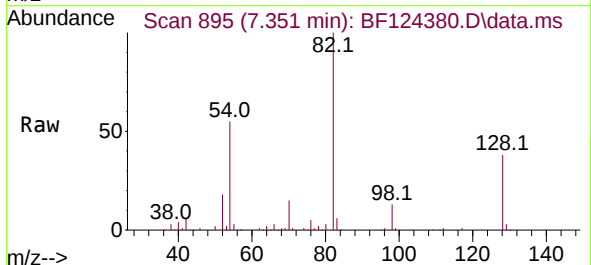
Delta R.T. -0.265 min

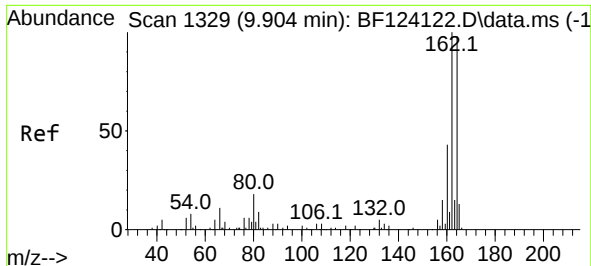
Lab File: BF124380.D

Acq: 18 Jun 2021 18:32

Tgt Ion: 82 Resp: 176019

Ion	Ratio	Lower	Upper
82	100		
95	0.4	5.8	8.6#
138	0.0	11.8	17.8#

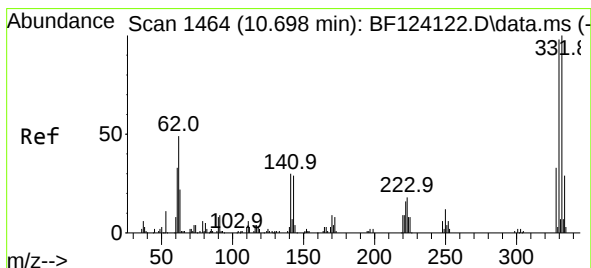
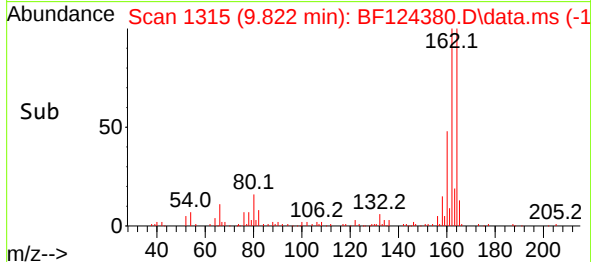
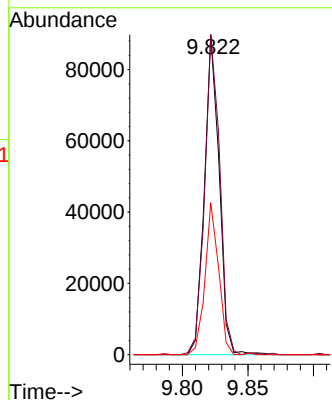
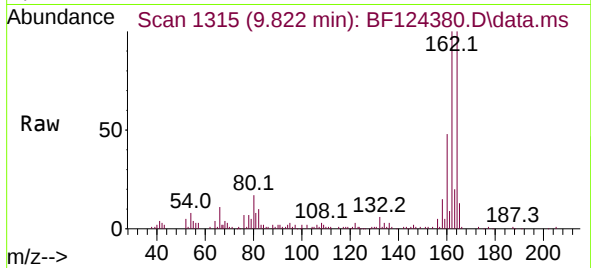




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

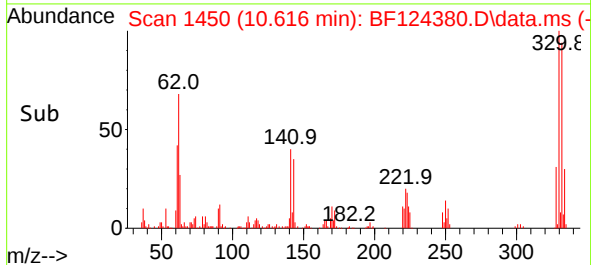
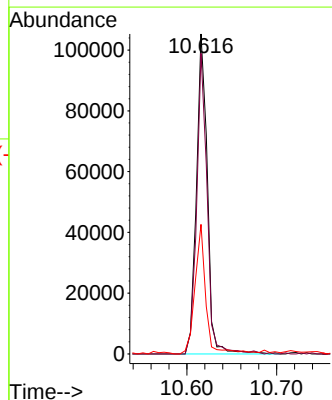
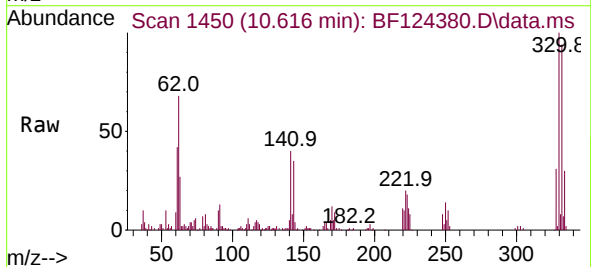
Instrument :
BNA_F
ClientSampleId :
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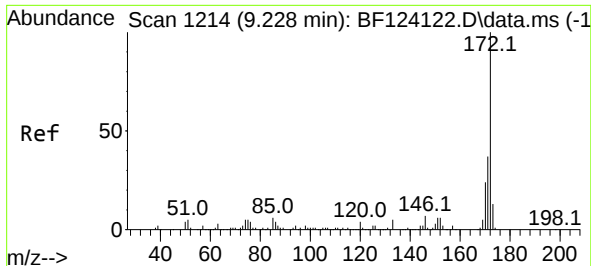
Tgt Ion:164 Resp: 70356
Ion Ratio Lower Upper
164 100
162 100.0 80.7 121.1
160 47.5 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 89.19 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

Tgt Ion:330 Resp: 88898
Ion Ratio Lower Upper
330 100
332 90.6 77.1 115.7
141 40.5 27.9 41.9

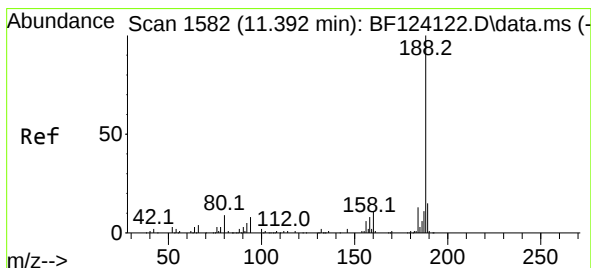
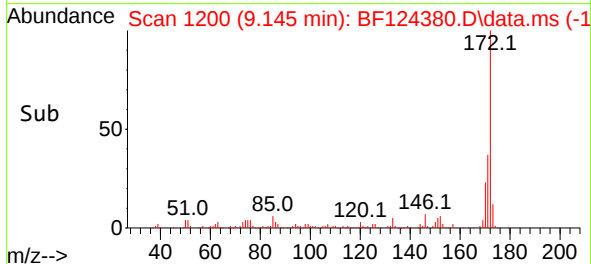
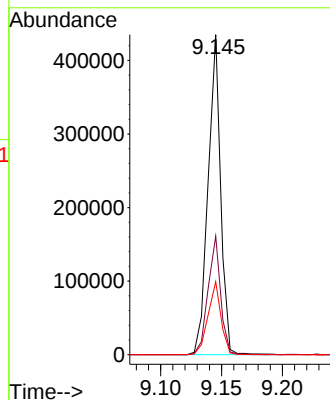
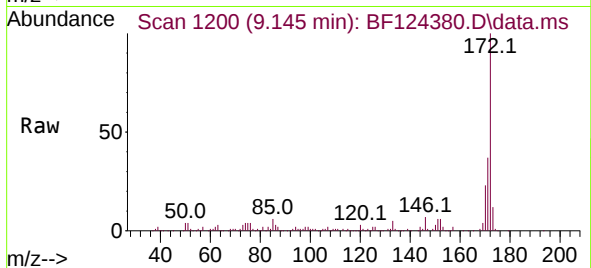




#45
2-Fluorobiphenyl
Concen: 55.73 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

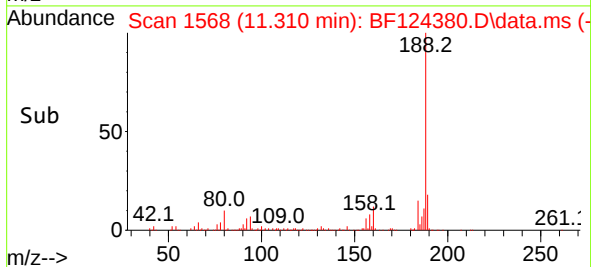
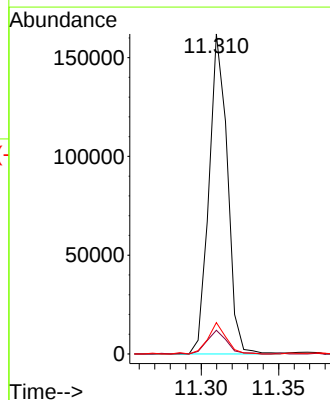
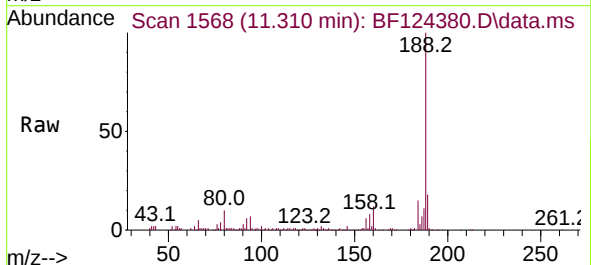
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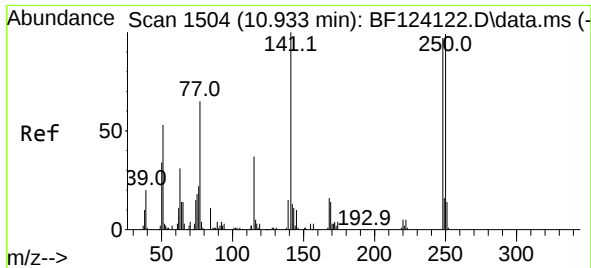
Tgt Ion:172 Resp: 311592
Ion Ratio Lower Upper
172 100
171 37.1 28.1 42.1
170 22.8 19.2 28.8



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

Tgt Ion:188 Resp: 133823
Ion Ratio Lower Upper
188 100
94 7.4 6.9 10.3
80 9.8 8.2 12.2

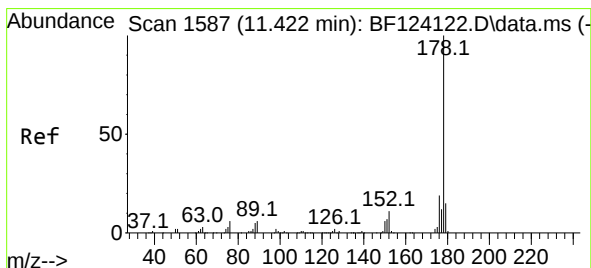
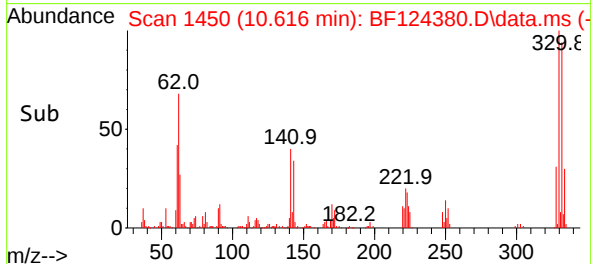
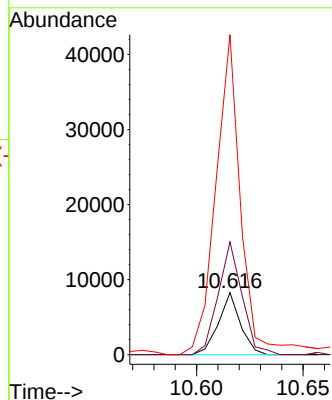
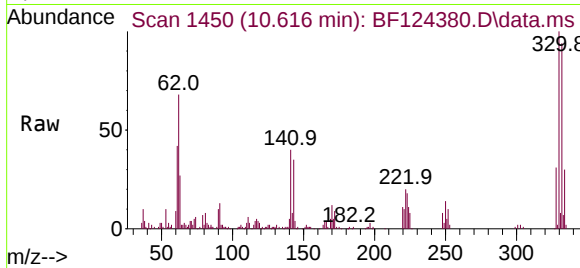




#67
4-Bromophenyl-phenylether
Concen: 3.22 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

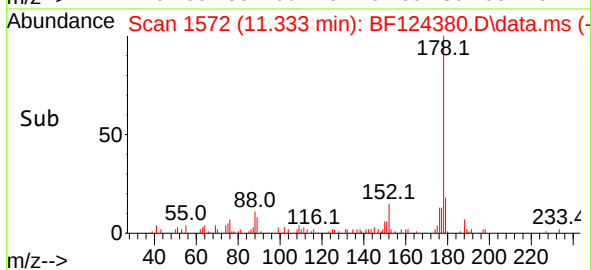
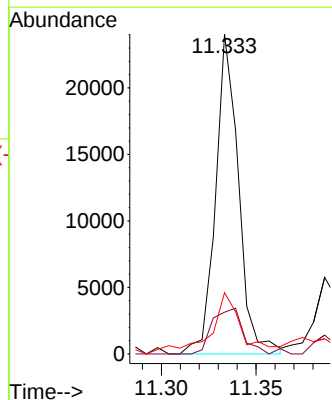
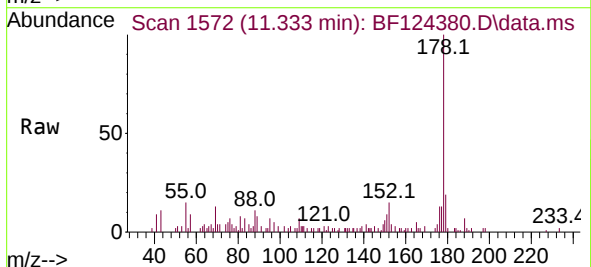
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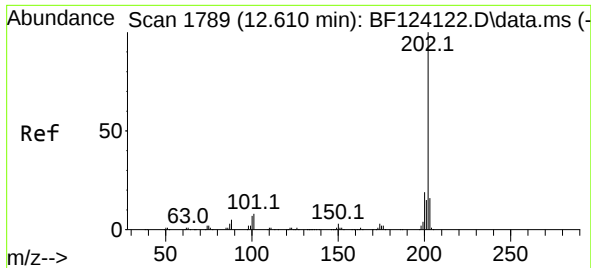
Tgt Ion:248 Resp: 5920
Ion Ratio Lower Upper
248 100
250 181.7 77.4 116.2#
141 515.2 63.7 95.5#



#71
Phenanthrene
Concen: 2.42 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

Tgt Ion:178 Resp: 20225
Ion Ratio Lower Upper
178 100
176 13.1 15.6 23.4#
179 19.2 12.5 18.7#

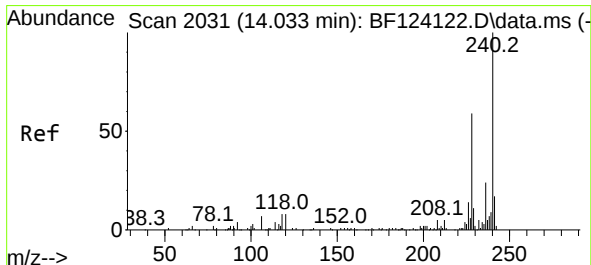
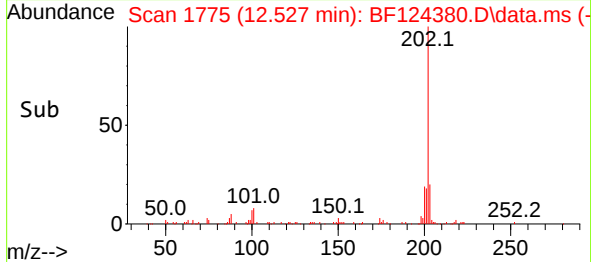
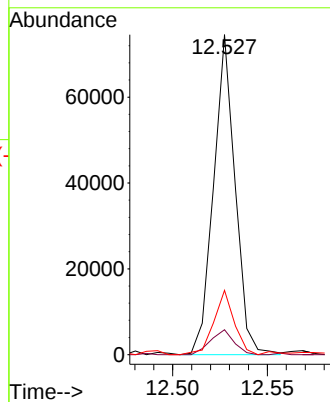
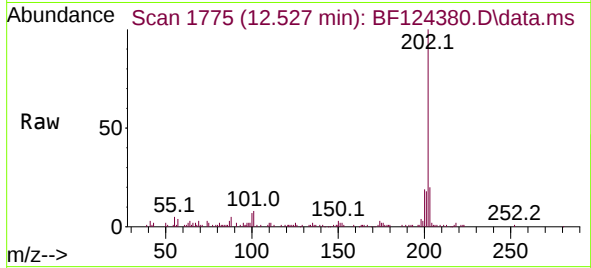




#75
Fluoranthene
Concen: 6.76 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

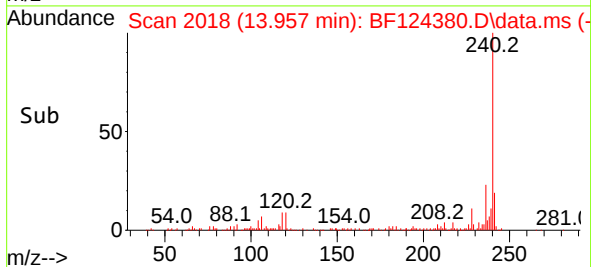
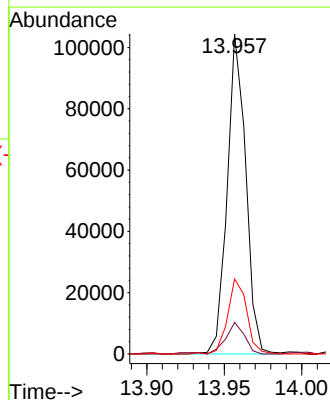
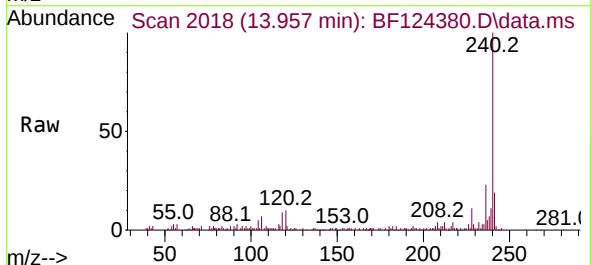
Instrument :
BNA_F
ClientSampleId :
0222-COMP-N(DISCRETE-CL-22)

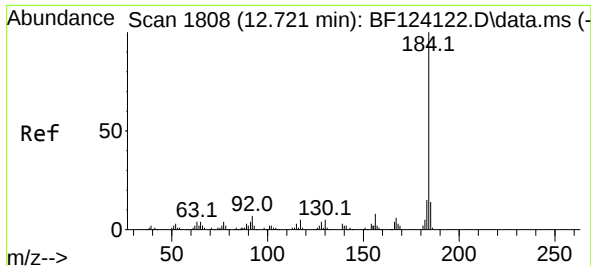
Tgt Ion:202 Resp: 59322
Ion Ratio Lower Upper
202 100
101 7.8 0.0 30.9
203 20.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

Tgt Ion:240 Resp: 86902
Ion Ratio Lower Upper
240 100
120 9.8 7.2 10.8
236 23.5 19.0 28.4

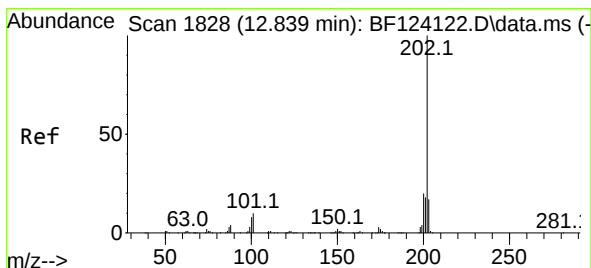
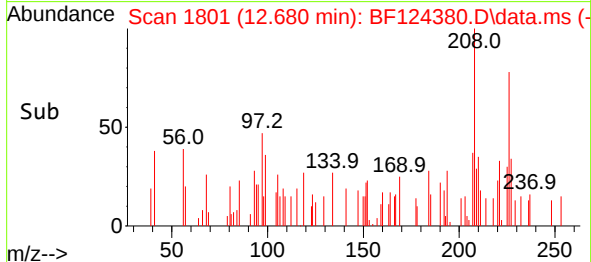
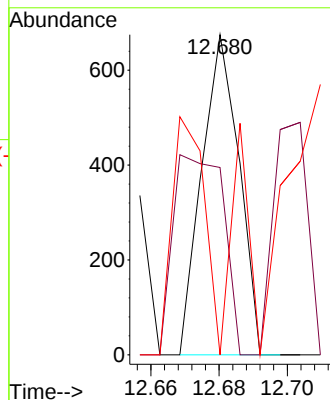
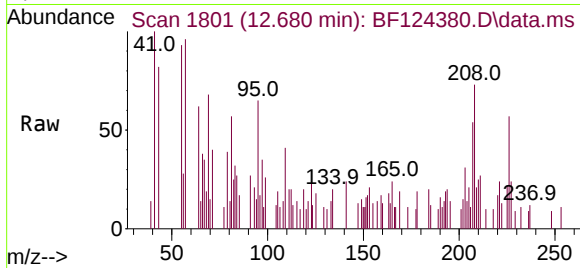




#77
Benzidine
Concen: 4.29 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.018 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

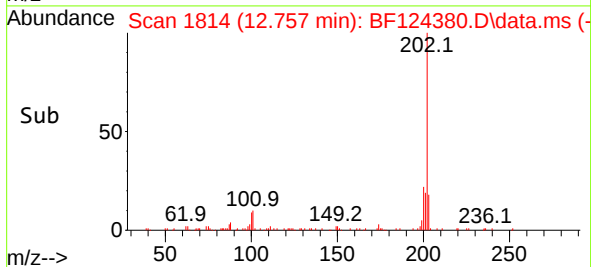
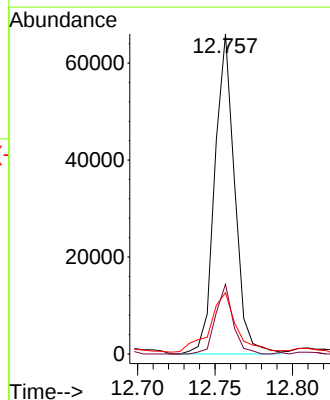
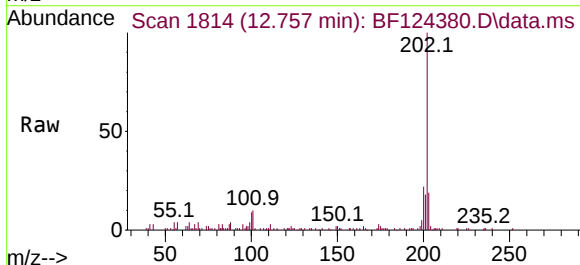
Instrument :
BNA_F
ClientSampleId :
0222-COMP-N(DISCRETE-CL-22)

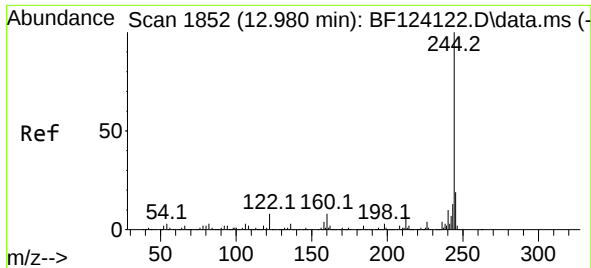
Tgt Ion:184 Resp: 511
Ion Ratio Lower Upper
184 100
185 58.5 12.1 18.1#
183 0.0 7.8 11.8#



#78
Pyrene
Concen: 7.10 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

Tgt Ion:202 Resp: 59227
Ion Ratio Lower Upper
202 100
200 21.8 16.1 24.1
203 19.2 14.8 22.2

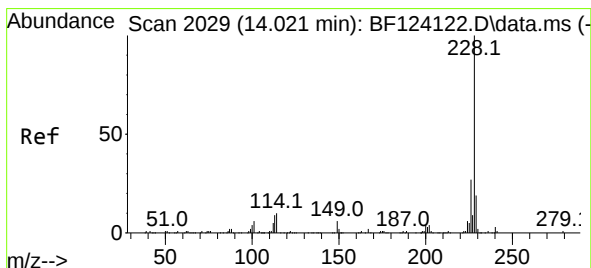
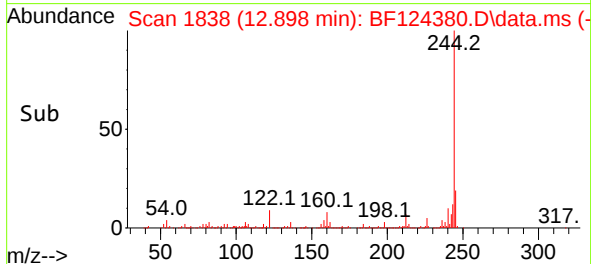
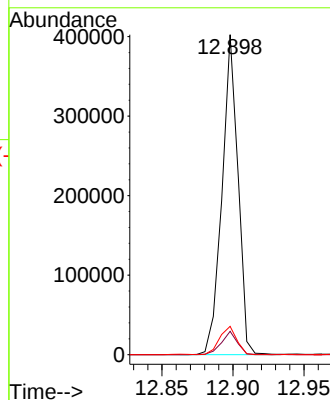
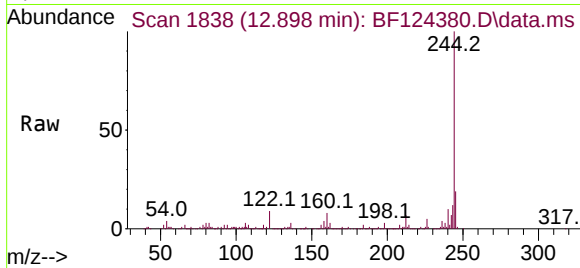




#79
Terphenyl-d14
Concen: 49.59 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

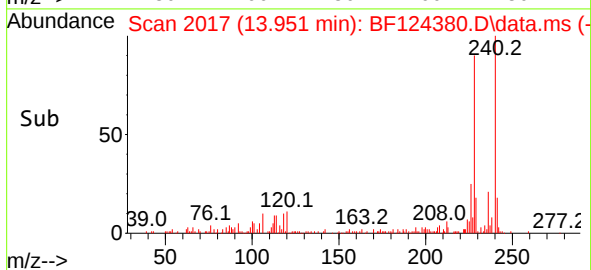
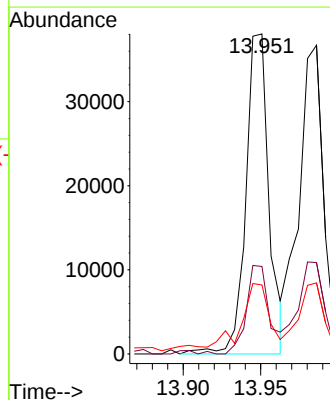
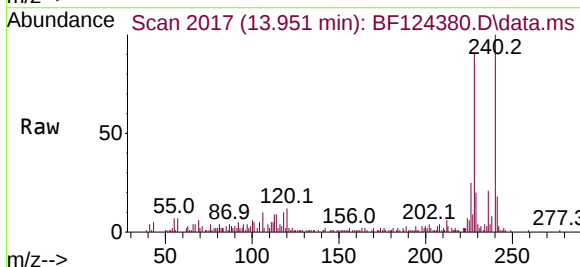
Instrument :
BNA_F
ClientSampleId :
0222-COMP-N(DISCRETE-CL-22)

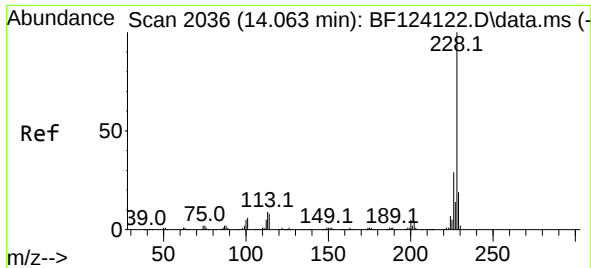
Tgt Ion:244 Resp: 313913
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 8.9 9.7 14.5#



#81
Benzo(a)anthracene
Concen: 6.24 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

Tgt Ion:228 Resp: 39483
Ion Ratio Lower Upper
228 100
226 27.3 22.4 33.6
229 21.5 16.0 24.0

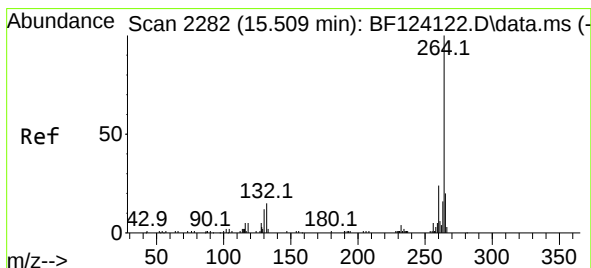
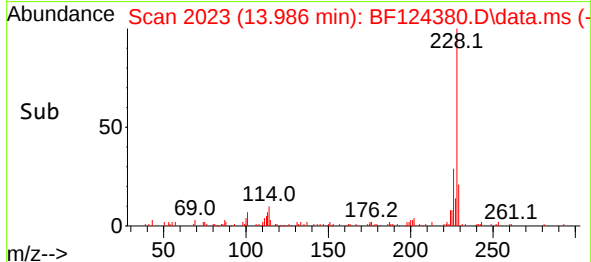
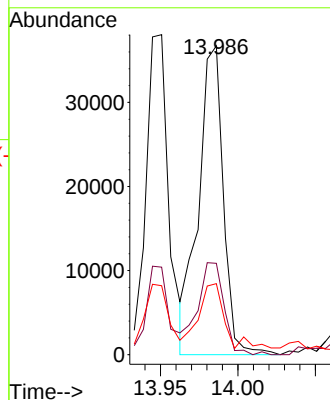
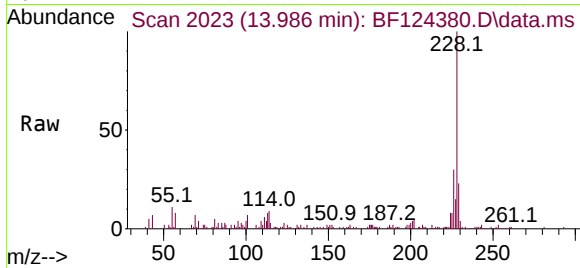




#83
Chrysene
Concen: 6.72 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

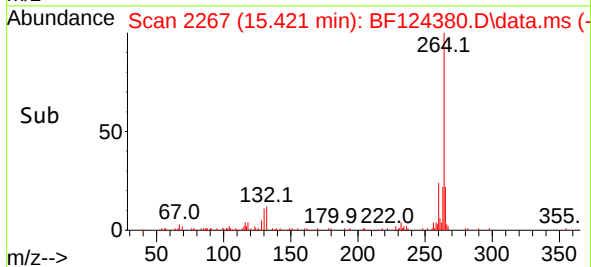
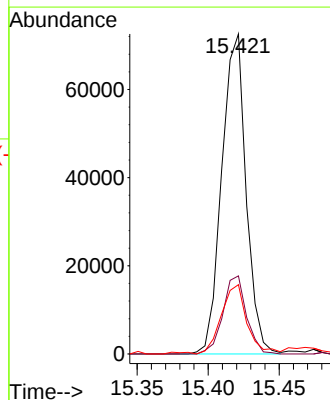
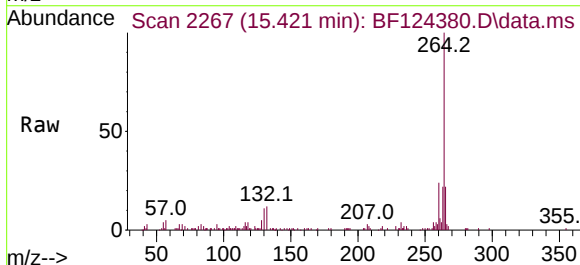
Instrument :
BNA_F
ClientSampleId :
0222-COMP-N(DISCRETE-CL-22)

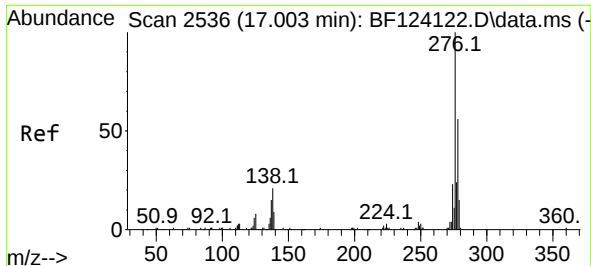
Tgt Ion:228	Resp: 41022
Ion Ratio	Lower Upper
228 100	
226 29.6	24.3 36.5
229 23.0	16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

Tgt Ion:264	Resp: 86401
Ion Ratio	Lower Upper
264 100	
260 24.4	18.7 28.1
265 21.6	17.8 26.8

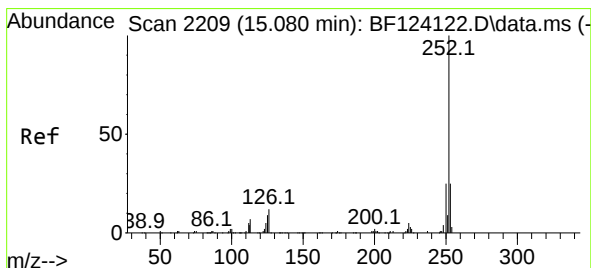
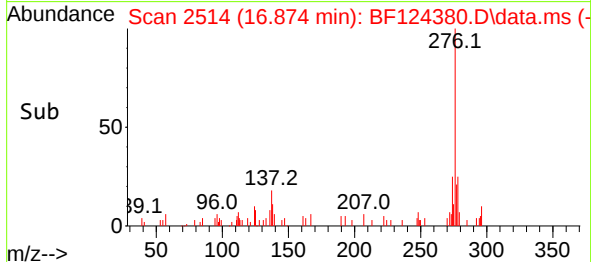
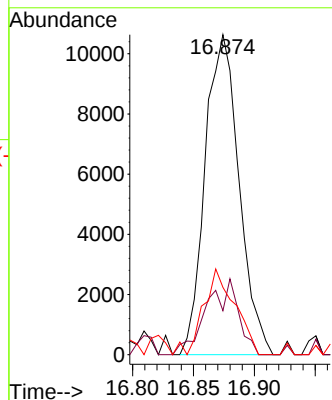
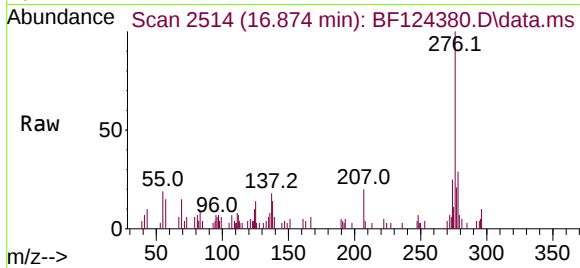




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.95 ng
RT: 16.874 min Scan# 2514
Delta R.T. 0.000 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

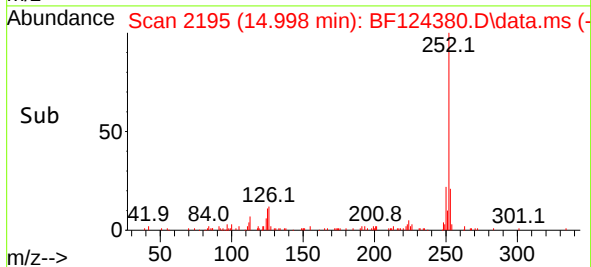
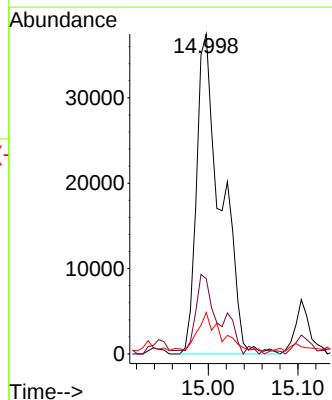
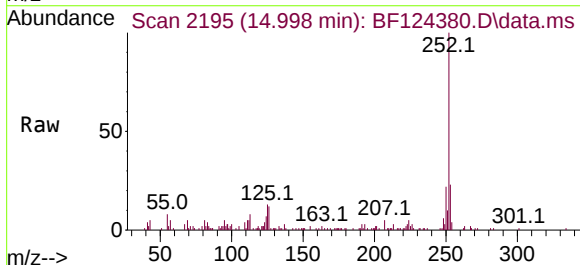
Instrument :
BNA_F
ClientSampleId :
0222-COMP-N(DISCRETE-CL-22)

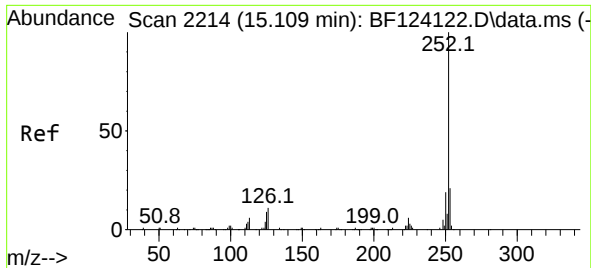
Tgt Ion:	276	Resp:	20654
Ion Ratio	Lower	Upper	
276	100		
138	22.3	16.2	24.2
277	24.9	20.1	30.1



#88
Benzo(b)fluoranthene
Concen: 10.55 ng
RT: 14.998 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

Tgt Ion:	252	Resp:	70806
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.1	27.1
125	13.0	6.2	9.4





#89

Benzo(k)fluoranthene

Concen: 11.14 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.029 min

Lab File: BF124380.D

Acq: 18 Jun 2021 18:32

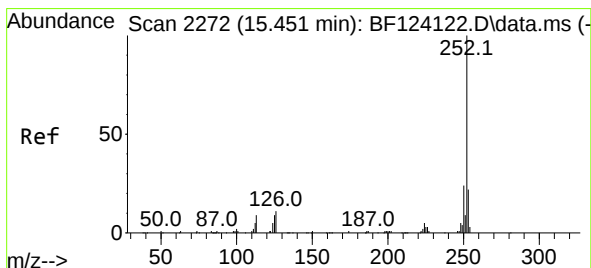
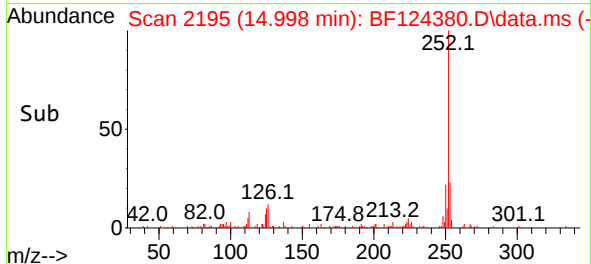
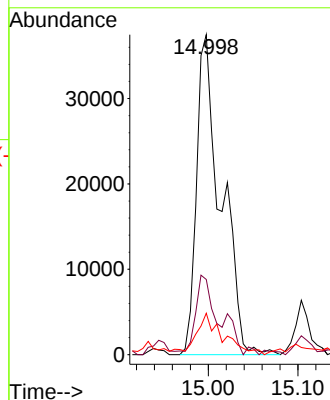
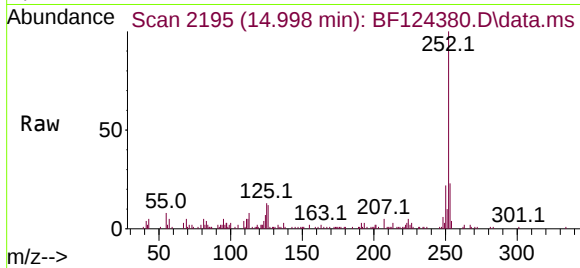
Tgt Ion:252	Resp:	70806
Ion Ratio	Lower	Upper
252	100	
253	23.5	17.9 26.9
125	13.0	7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

0222-COMP-N(DISCRETE-CL-22)



#90

Benzo(a)pyrene

Concen: 6.65 ng

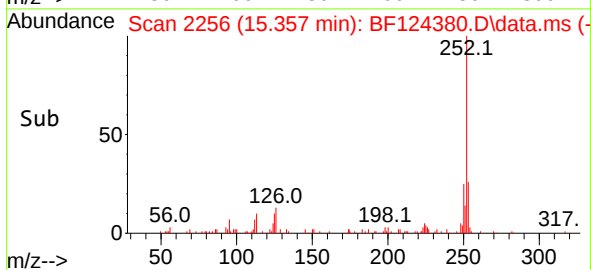
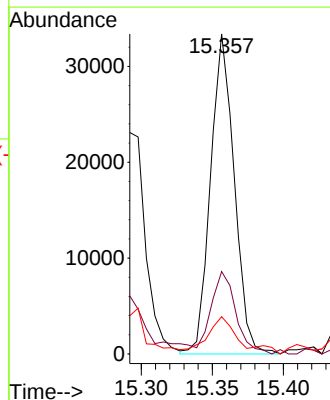
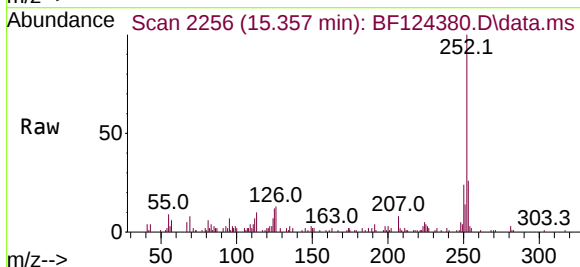
RT: 15.357 min Scan# 2256

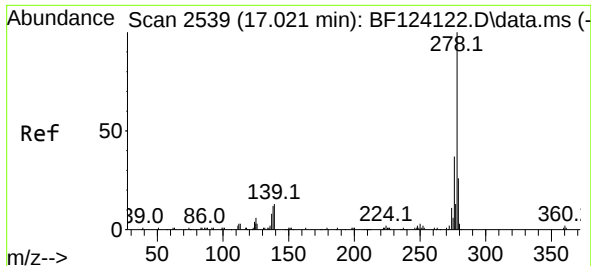
Delta R.T. 0.000 min

Lab File: BF124380.D

Acq: 18 Jun 2021 18:32

Tgt Ion:252	Resp:	38761
Ion Ratio	Lower	Upper
252	100	
253	25.7	18.4 27.6
125	11.6	8.0 12.0

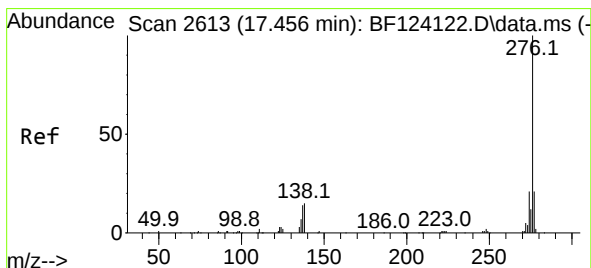
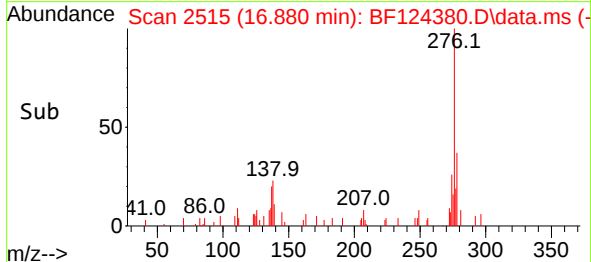
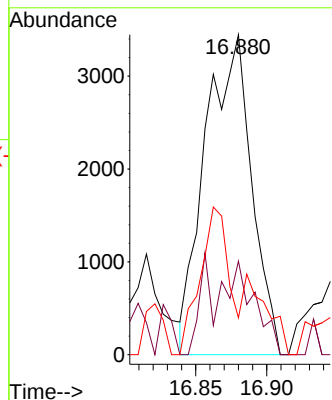
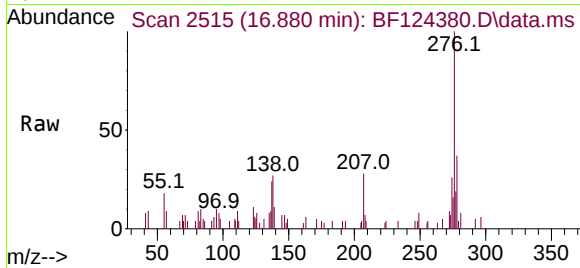




#91
Dibenzo(a,h)anthracene
Concen: 5.34 ng
RT: 16.880 min Scan# 2515
Delta R.T. -0.006 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

Instrument :
BNA_F
ClientSampleId :
0222-COMP-N(DISCRETE-CL-22)

Tgt Ion:278 Resp: 7833
Ion Ratio Lower Upper
278 100
139 29.2 10.2 15.2#
279 11.5 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 7.12 ng
RT: 17.315 min Scan# 2589
Delta R.T. 0.000 min
Lab File: BF124380.D
Acq: 18 Jun 2021 18:32

Tgt Ion:276 Resp: 21815
Ion Ratio Lower Upper
276 100
277 33.8 18.2 27.2#
138 23.2 13.8 20.6#

