

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124199.D
 Acq On : 9 Jun 2021 1:40
 Operator : JU/CG
 Sample : M2628-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-060721

Quant Time: Jun 09 04:10:56 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

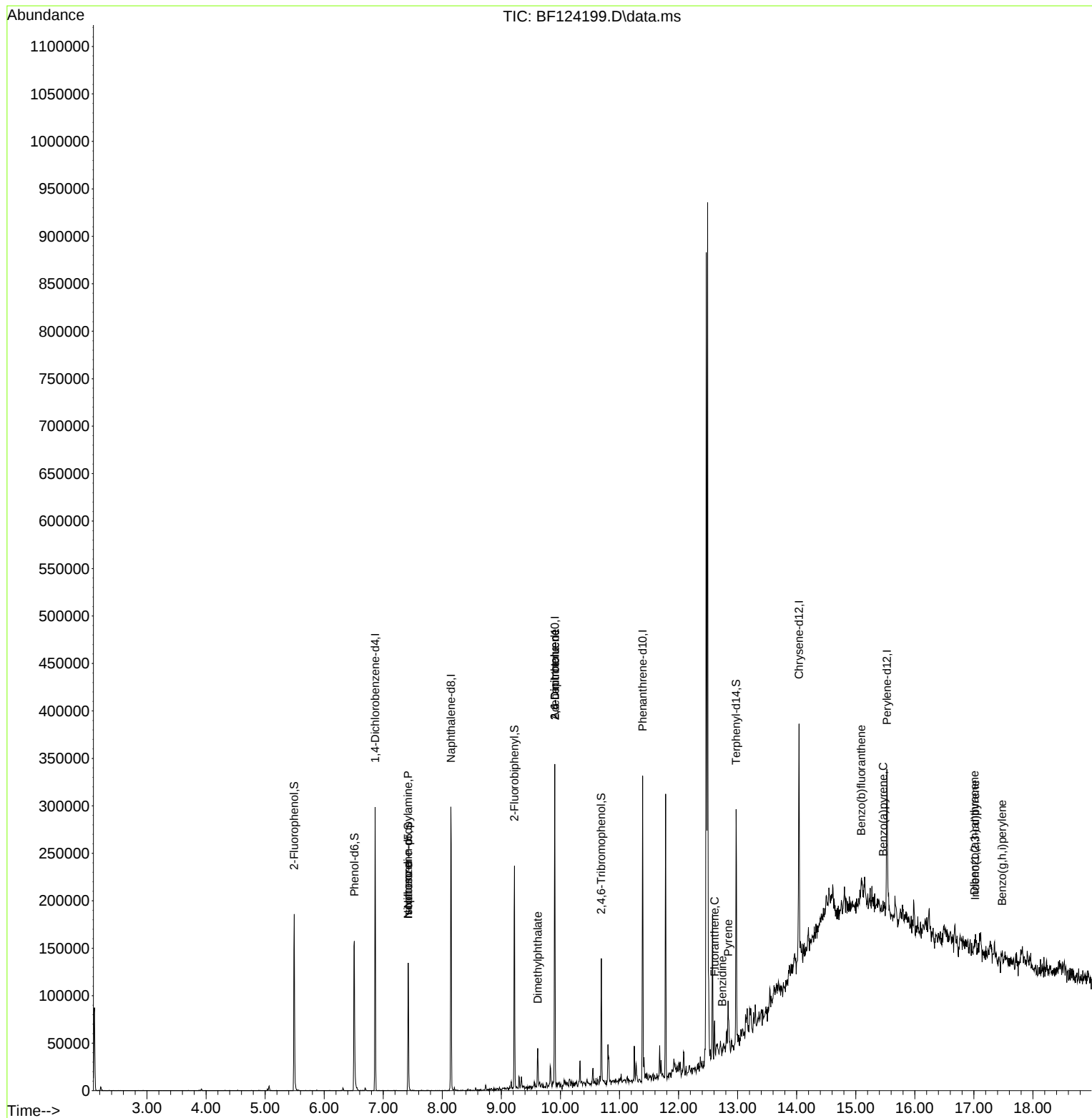
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	34116	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	112021	20.00	ng	# 0.00
39) Acenaphthene-d10	9.904	164	57614	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	93146	20.00	ng	0.00
76) Chrysene-d12	14.039	240	71330	20.00	ng	0.00
86) Perylene-d12	15.527	264	56308	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	41842	18.46	ng	0.00
7) Phenol-d6	6.510	99	52653	17.28	ng	0.00
23) Nitrobenzene-d5	7.422	82	38005	13.46	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	13358	16.37	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	61278	13.38	ng	0.00
79) Terphenyl-d14	12.974	244	64959	12.50	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	5915	2.75	ng	# 58
25) Isophorone	7.422	82	38004	7.47	ng	# 69
50) Dimethylphthalate	9.616	163	11988	2.51	ng	# 88
51) 2,6-Dinitrotoluene	9.904	165	7426	6.79	ng	# 13
57) 2,4-Dinitrotoluene	9.904	165	7426	5.15	ng	# 18
75) Fluoranthene	12.610	202	13648	2.23	ng	93
77) Benzidine	12.739	184	117	4.13	ng	# 1
78) Pyrene	12.839	202	18139	2.65	ng	96
87) Indeno(1,2,3-cd)pyrene	17.021	276	5013	5.31	ng	# 82
88) Benzo(b)fluoranthene	15.092	252	12505	2.86	ng	# 83
90) Benzo(a)pyrene	15.462	252	8288	2.18	ng	# 67
91) Dibenzo(a,h)anthracene	17.009	278	2483	4.74	ng	# 30
92) Benzo(g,h,i)perylene	17.480	276	4932	4.96	ng	# 68

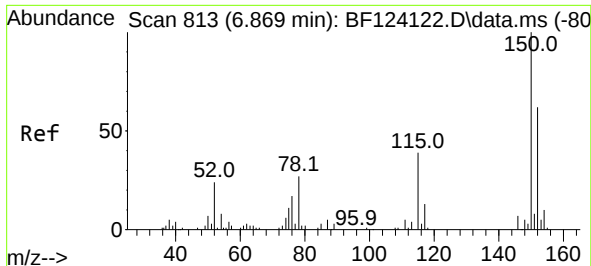
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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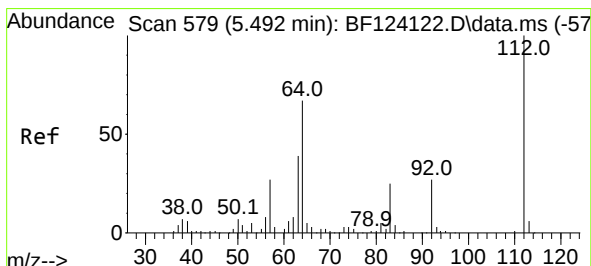
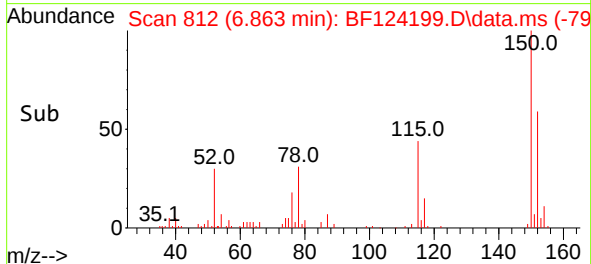
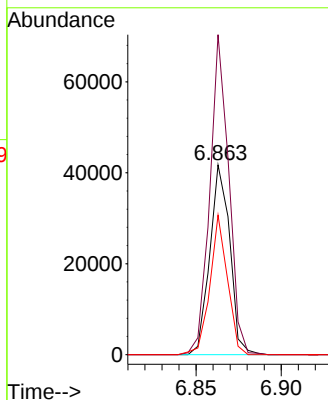
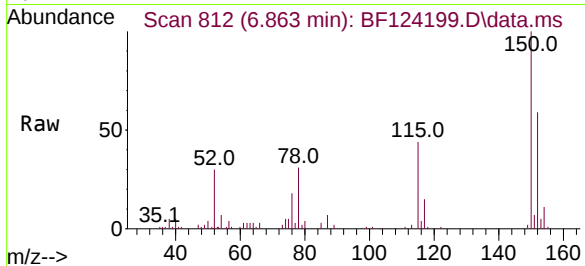




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

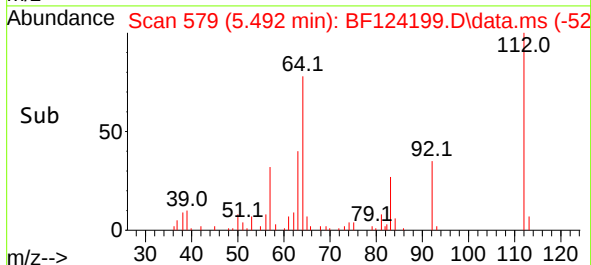
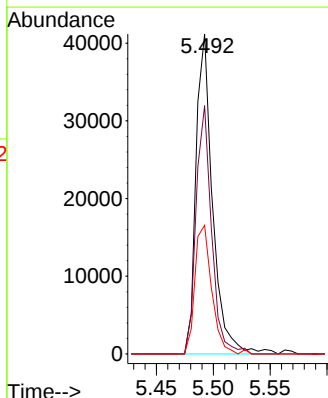
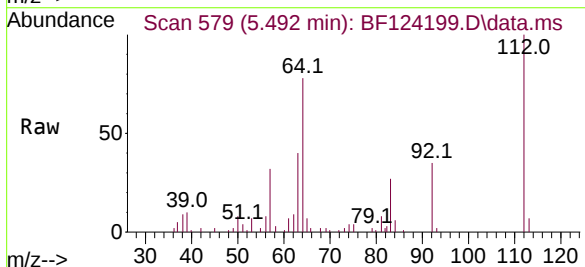
Instrument :
BNA_F
ClientSampleId :
HD-02-060721

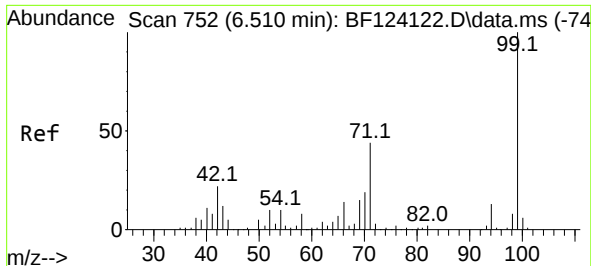
Tgt Ion:152 Resp: 34116
Ion Ratio Lower Upper
152 100
150 168.6 127.0 190.6
115 73.5 54.3 81.5



#5
2-Fluorophenol
Concen: 18.46 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

Tgt Ion:112 Resp: 41842
Ion Ratio Lower Upper
112 100
64 77.6 61.4 92.0
63 40.2 33.0 49.4

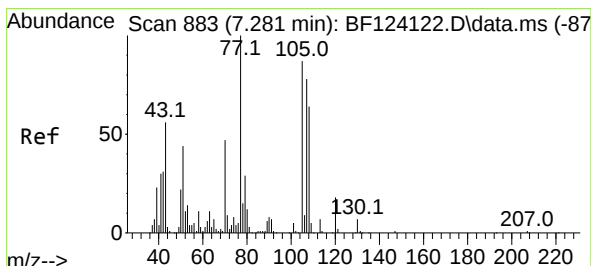
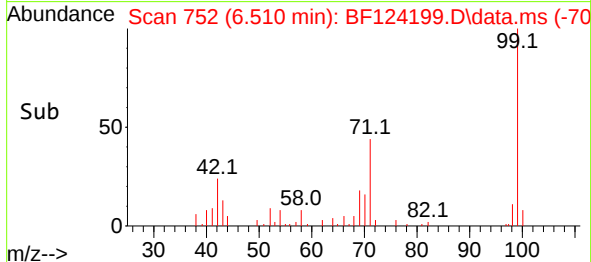
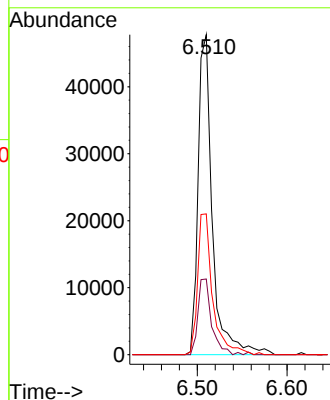
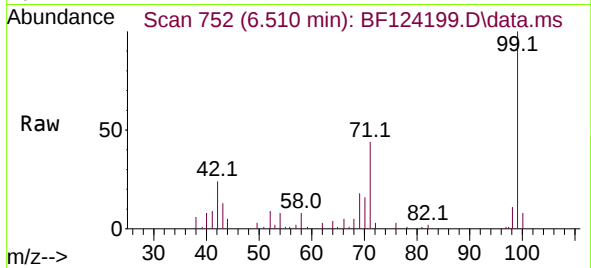




#7
Phenol-d6
Concen: 17.28 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

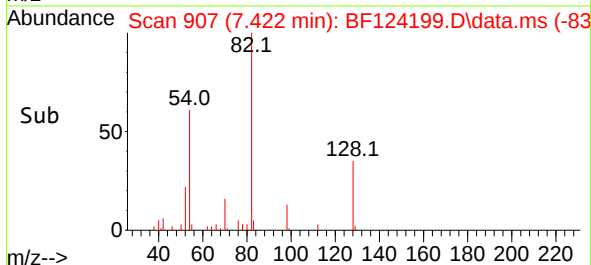
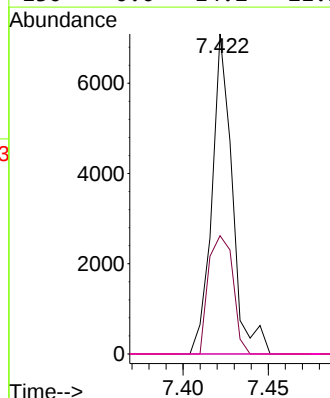
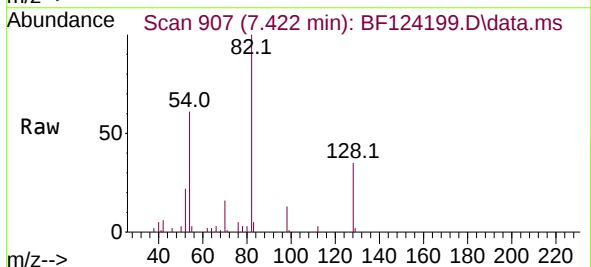
Instrument :
BNA_F
ClientSampleId :
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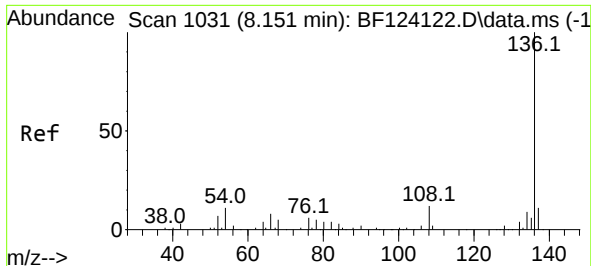
Tgt Ion:	99	Resp:	52653
Ion	Ratio	Lower	Upper
99	100		
42	23.7	19.8	29.8
71	44.0	31.1	46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.75 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

Tgt Ion:	70	Resp:	5915
Ion	Ratio	Lower	Upper
70	100		
42	37.0	60.1	90.1#
101	0.0	7.4	11.2#
130	0.0	14.2	21.2#

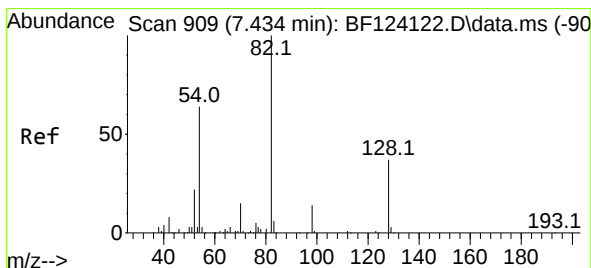
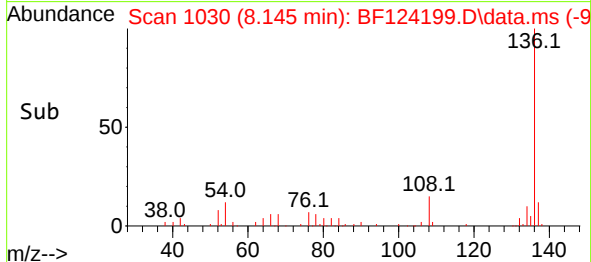
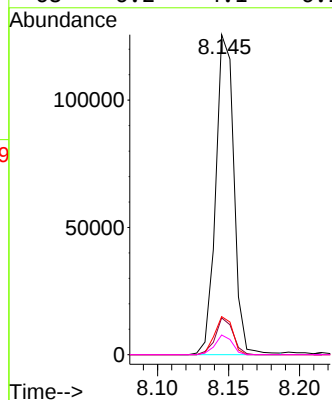
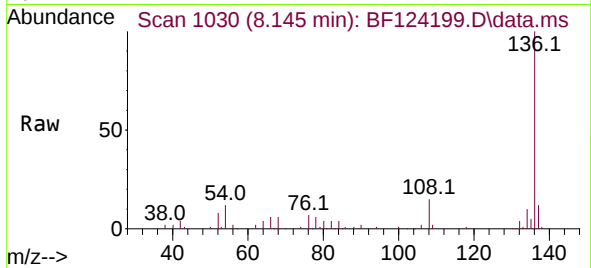




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

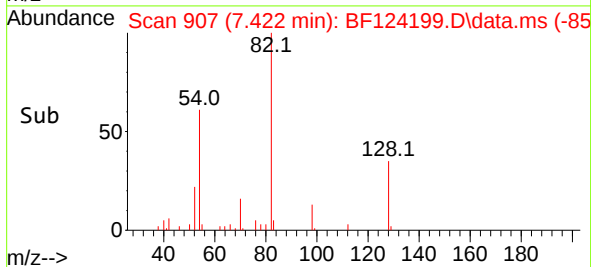
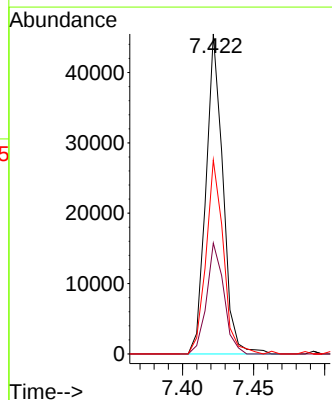
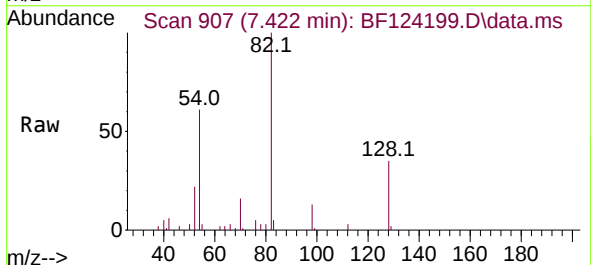
Instrument :
BNA_F
ClientSampleId :
HD-02-060721

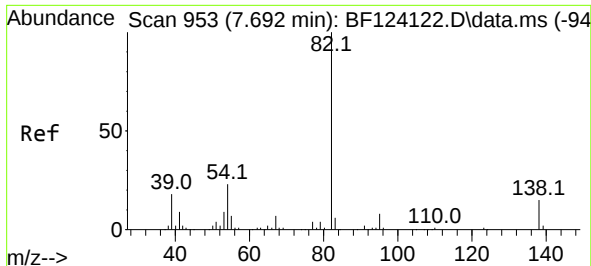
Tgt Ion:136	Resp: 112021
Ion Ratio	Lower Upper
136	100
137	11.5 8.7 13.1
54	11.9 9.8 14.6
68	6.2 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 13.46 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

Tgt Ion: 82	Resp: 38005
Ion Ratio	Lower Upper
82	100
128	34.6 29.4 44.2
54	60.6 54.1 81.1

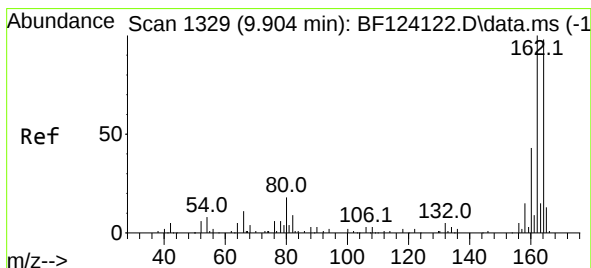
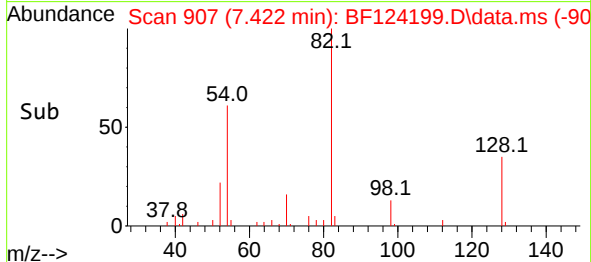
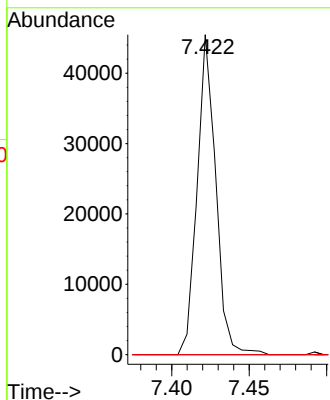
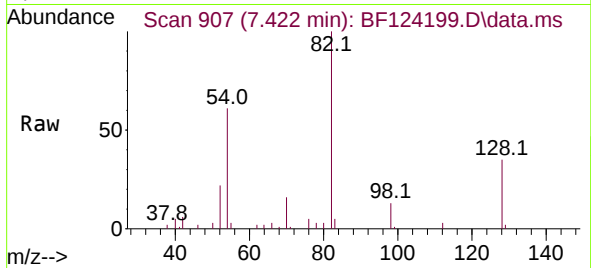




#25
Isophorone
Concen: 7.47 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

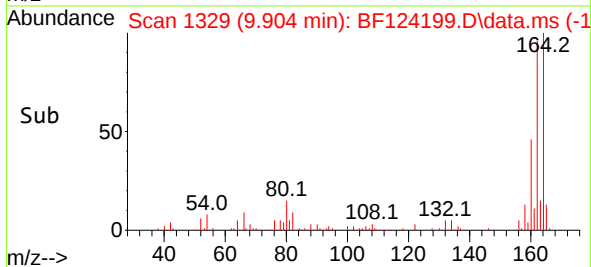
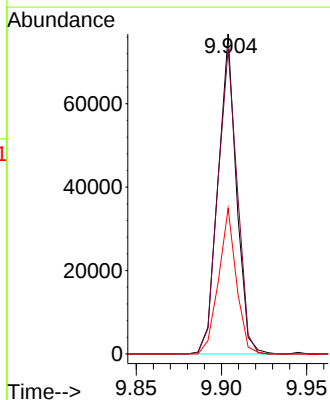
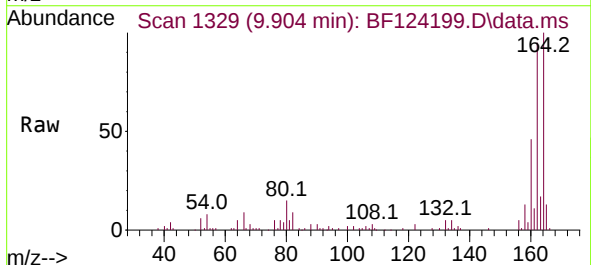
Instrument :
BNA_F
ClientSampleId :
HD-02-060721

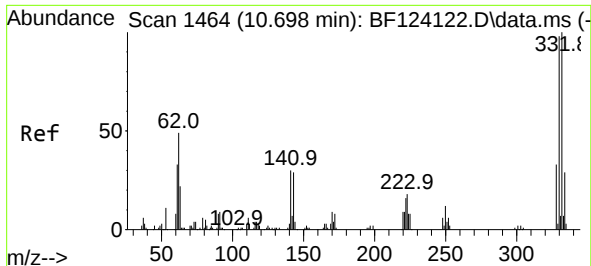
Tgt Ion: 82 Resp: 38004
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

Tgt Ion: 164 Resp: 57614
Ion Ratio Lower Upper
164 100
162 95.3 80.7 121.1
160 45.6 37.3 55.9

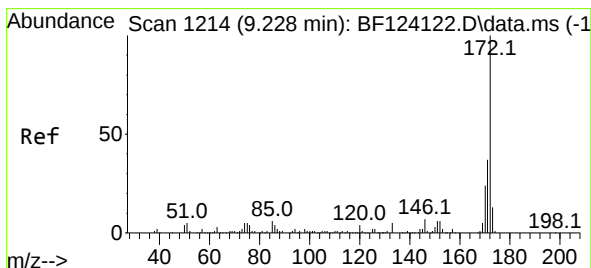
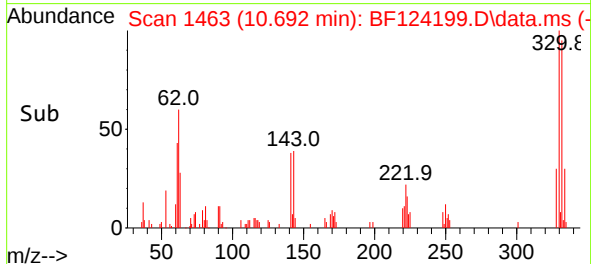
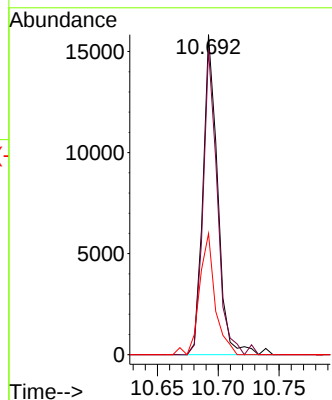
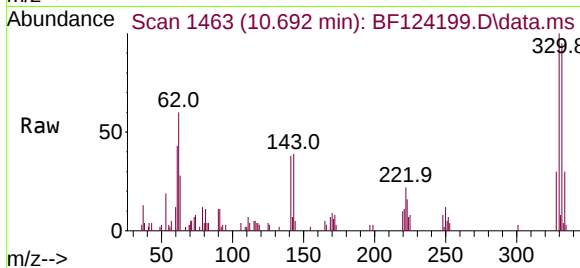




#42
2,4,6-Tribromophenol
Concen: 16.37 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

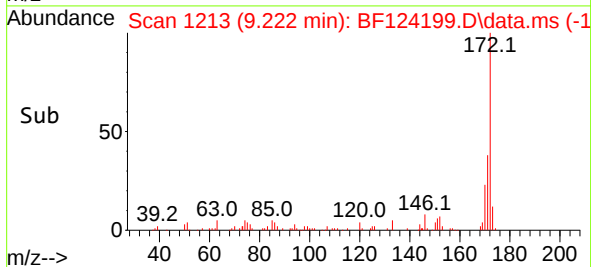
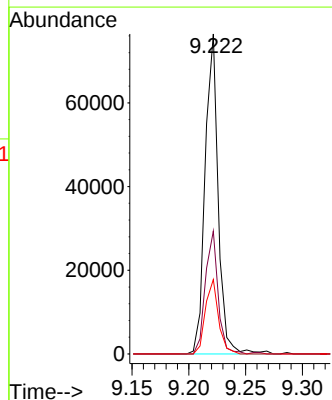
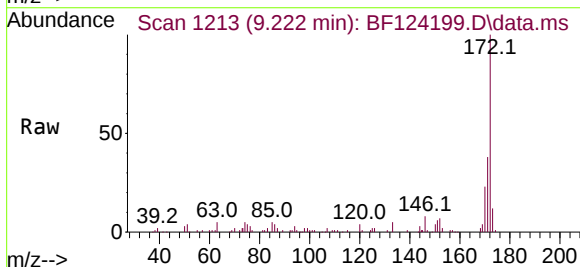
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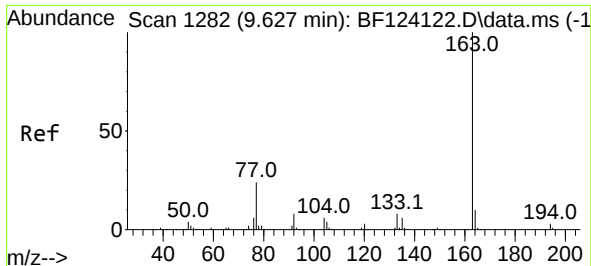
Tgt Ion: 330 Resp: 13358
Ion Ratio Lower Upper
330 100
332 92.5 77.1 115.7
141 40.0 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 13.38 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

Tgt Ion: 172 Resp: 61278
Ion Ratio Lower Upper
172 100
171 38.4 28.1 42.1
170 23.3 19.2 28.8

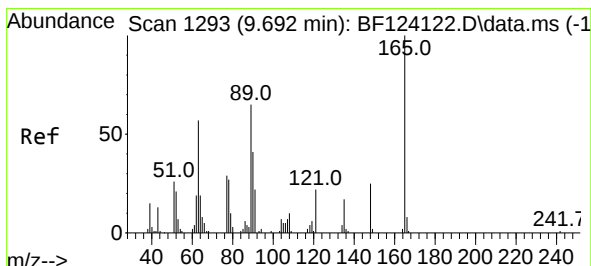
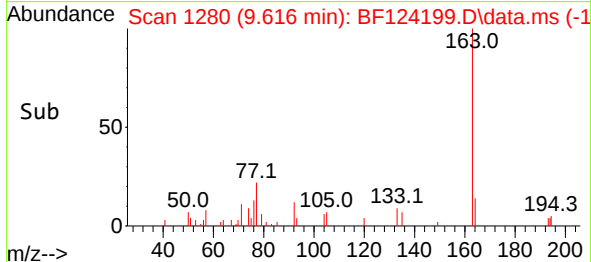
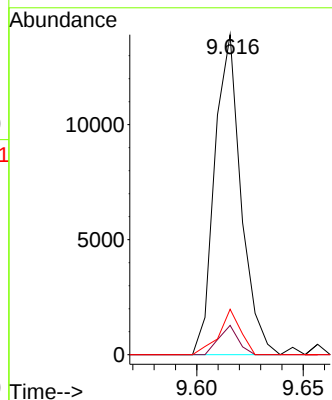
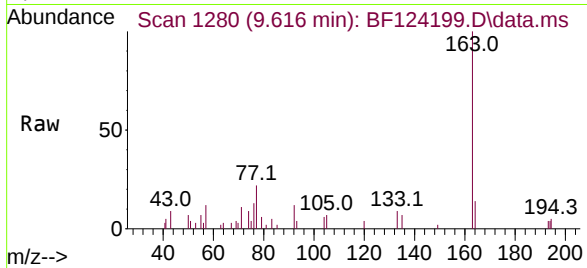




#50
Dimethylphthalate
Concen: 2.51 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.012 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

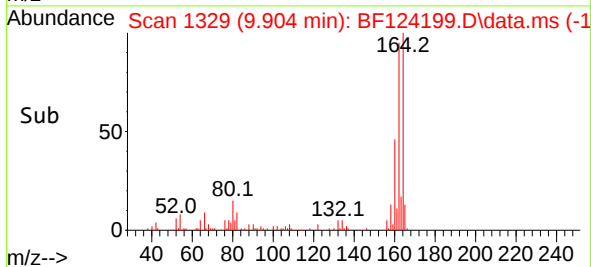
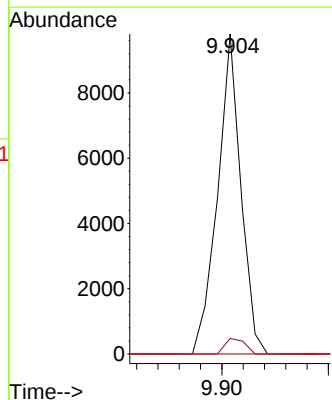
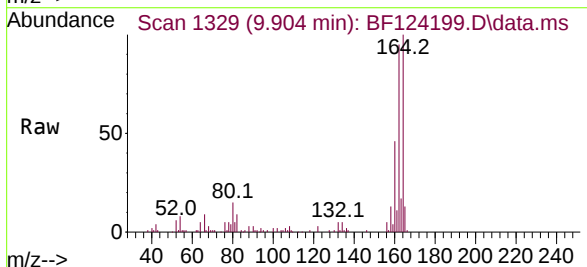
Instrument :
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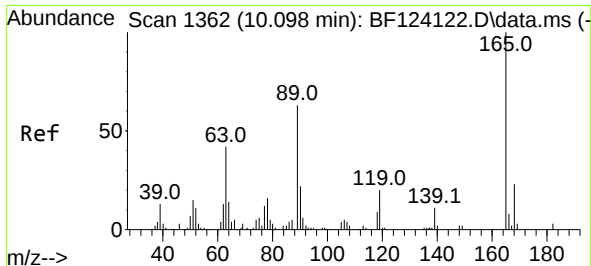
Tgt Ion:163 Resp: 11988
Ion Ratio Lower Upper
163 100
194 9.1 3.1 4.7#
164 14.2 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 6.79 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

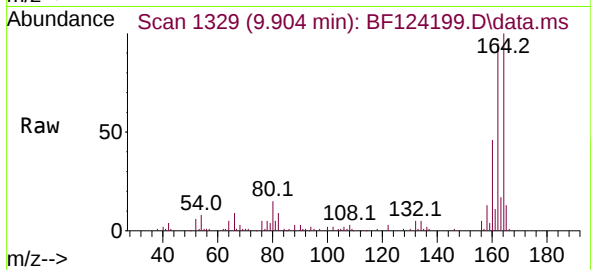
Tgt Ion:165 Resp: 7426
Ion Ratio Lower Upper
165 100
63 4.9 67.7 101.5#
89 0.0 58.8 88.2#



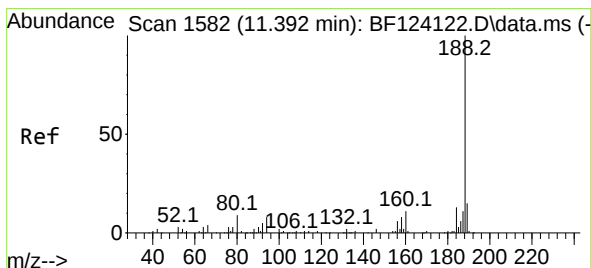
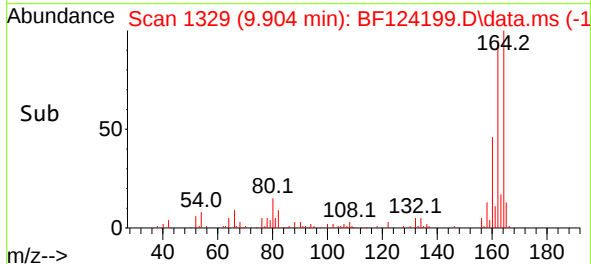
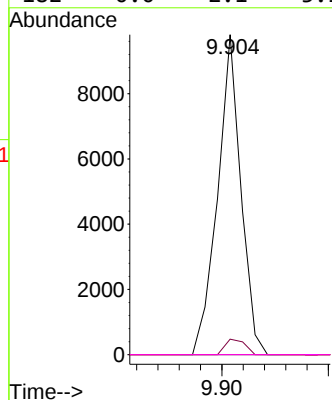


#57
2,4-Dinitrotoluene
Concen: 5.15 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

Instrument :
BNA_F
ClientSampleId :
HD-02-060721

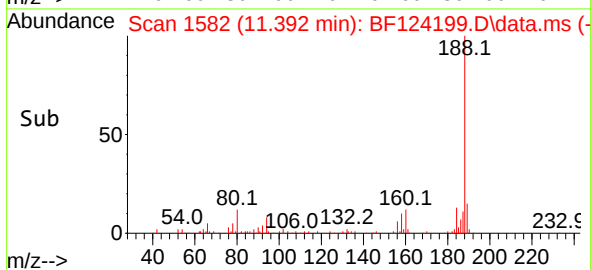
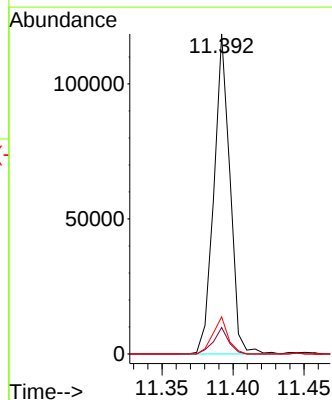
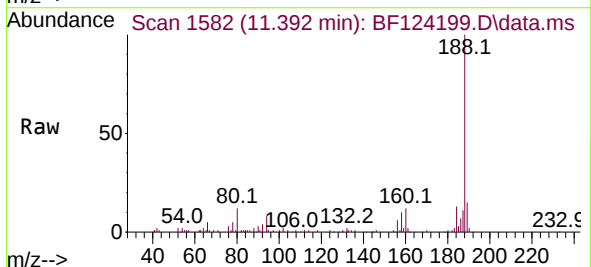


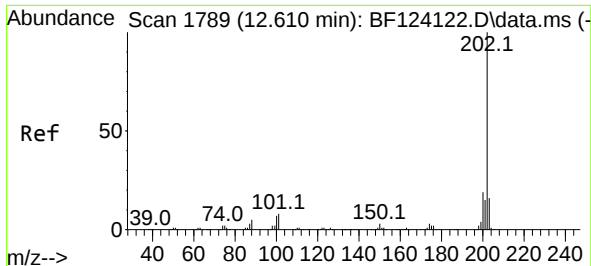
Tgt Ion:165 Resp: 7426
Ion Ratio Lower Upper
165 100
63 4.9 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

Tgt Ion:188 Resp: 93146
Ion Ratio Lower Upper
188 100
94 8.2 6.9 10.3
80 11.6 8.2 12.2

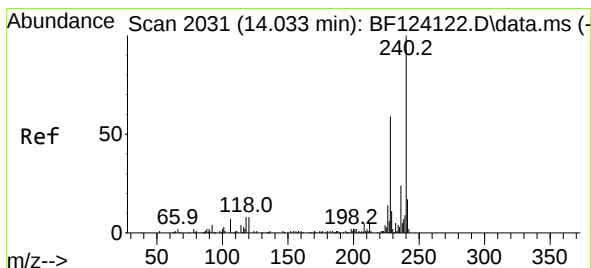
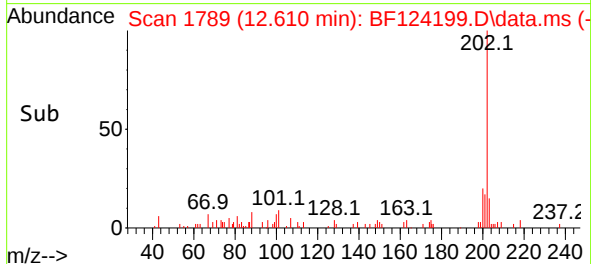
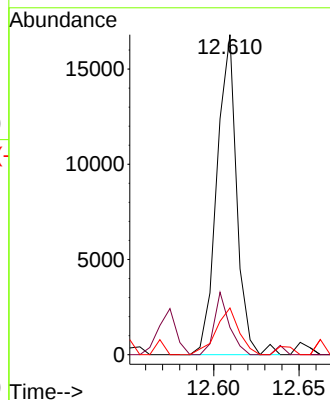
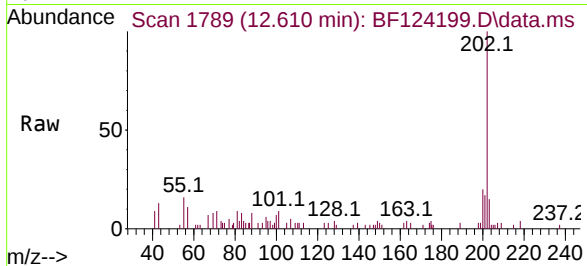




#75
Fluoranthene
Concen: 2.23 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

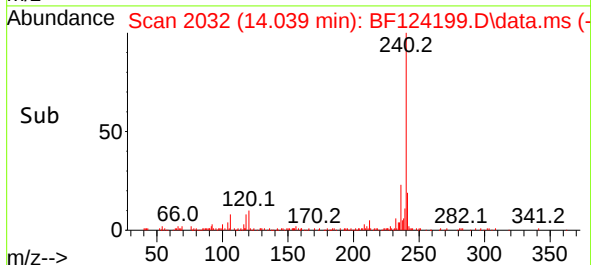
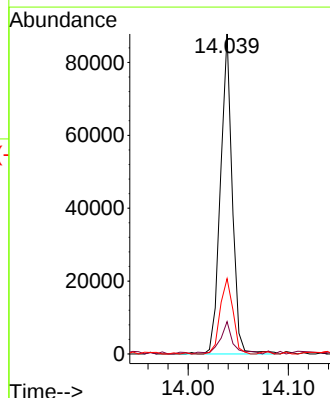
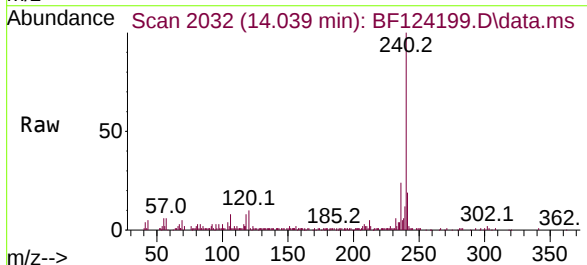
Instrument :
BNA_F
ClientSampleId :
HD-02-060721

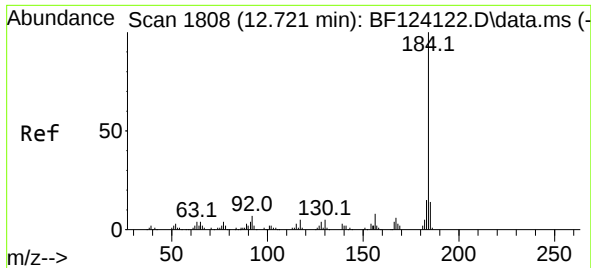
Tgt Ion:202	Resp:	13648
Ion Ratio	Lower	Upper
202	100	
101	8.5	0.0 30.9
203	14.6	0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

Tgt Ion:240	Resp:	71330
Ion Ratio	Lower	Upper
240	100	
120	10.1	7.2 10.8
236	23.6	19.0 28.4

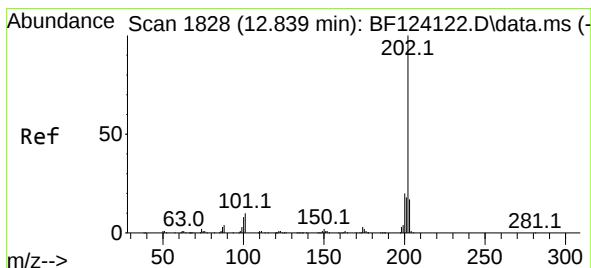
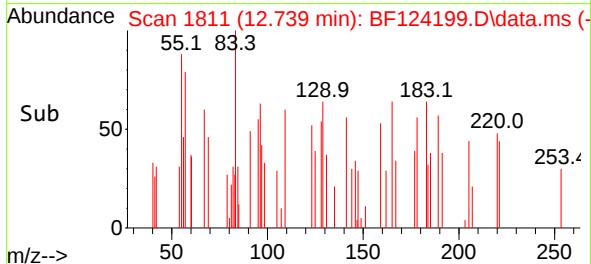
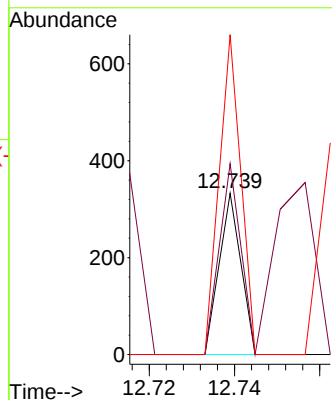
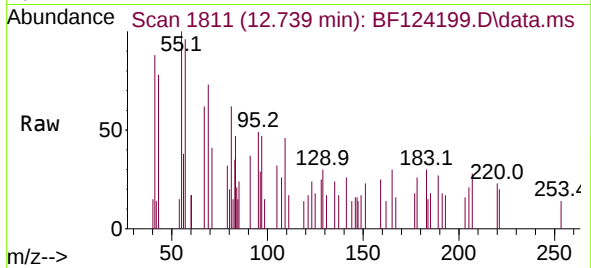




#77
Benzidine
Concen: 4.13 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.018 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

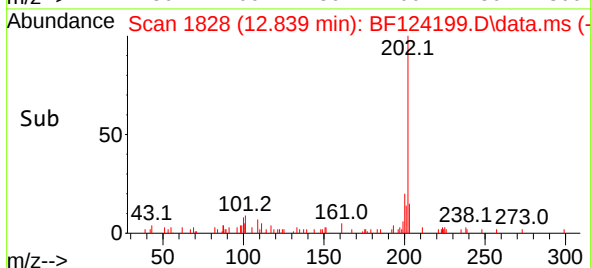
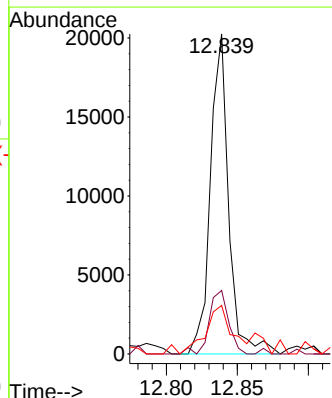
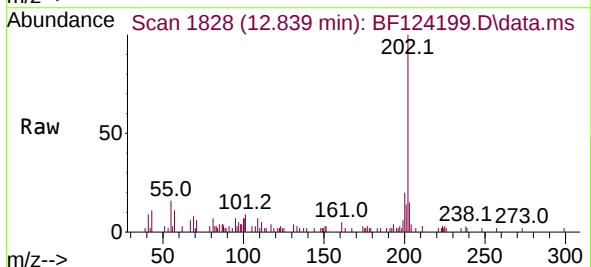
Instrument :
BNA_F
ClientSampleId :
HD-02-060721

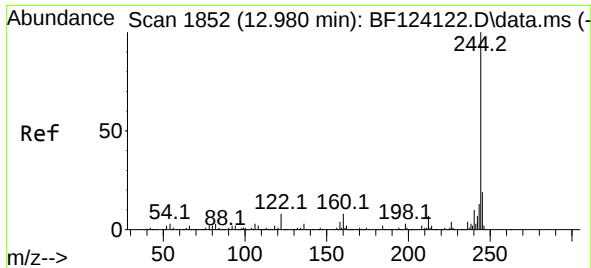
Tgt Ion:184 Resp: 117
Ion Ratio Lower Upper
184 100
185 118.3 12.1 18.1#
183 198.2 7.8 11.8#



#78
Pyrene
Concen: 2.65 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

Tgt Ion:202 Resp: 18139
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 15.2 14.8 22.2

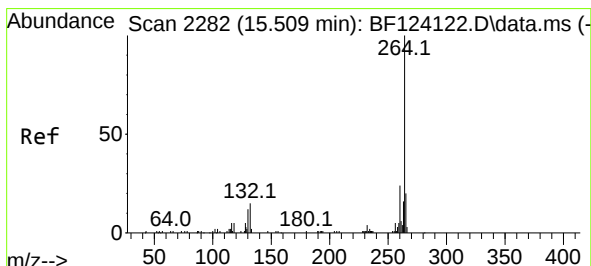
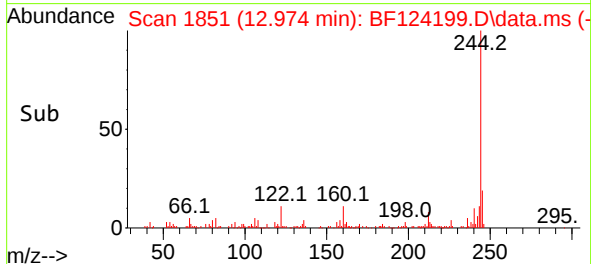
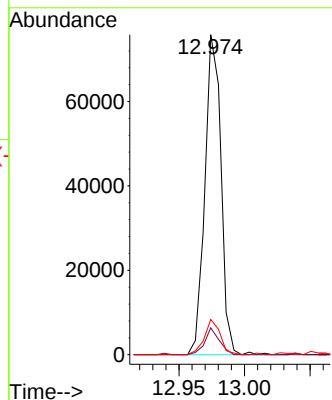
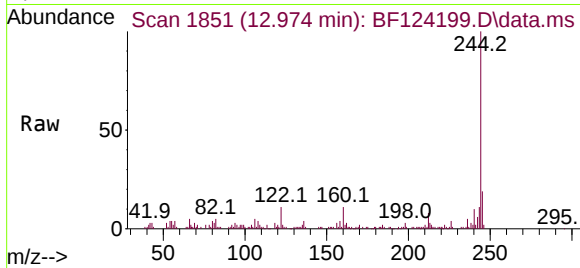




#79
 Terphenyl-d14
 Concen: 12.50 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF124199.D
 Acq: 9 Jun 2021 1:40

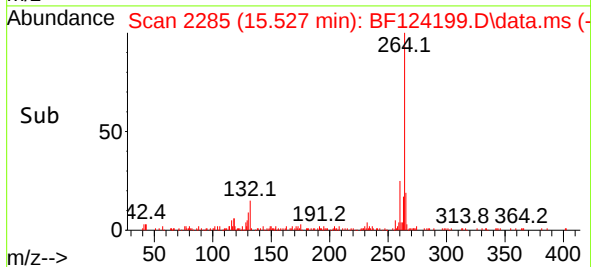
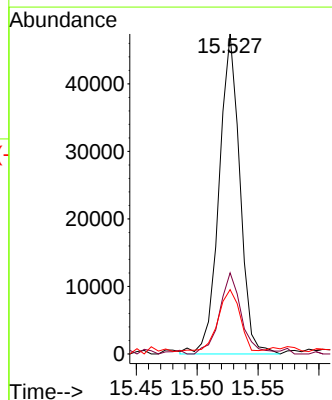
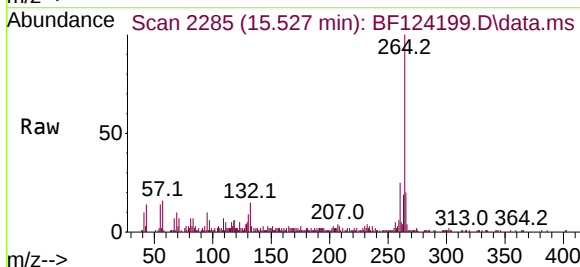
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-060721

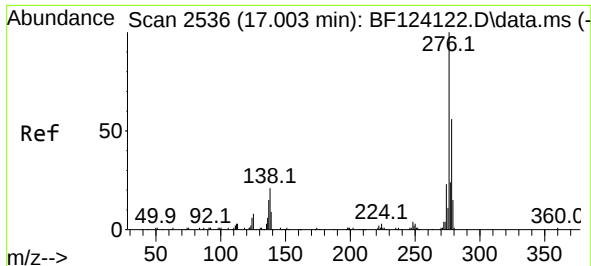
Tgt Ion:244 Resp: 64959
 Ion Ratio Lower Upper
 244 100
 212 8.4 5.7 8.5
 122 11.0 9.7 14.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.527 min Scan# 2285
 Delta R.T. 0.018 min
 Lab File: BF124199.D
 Acq: 9 Jun 2021 1:40

Tgt Ion:264 Resp: 56308
 Ion Ratio Lower Upper
 264 100
 260 25.4 18.7 28.1
 265 20.1 17.8 26.8

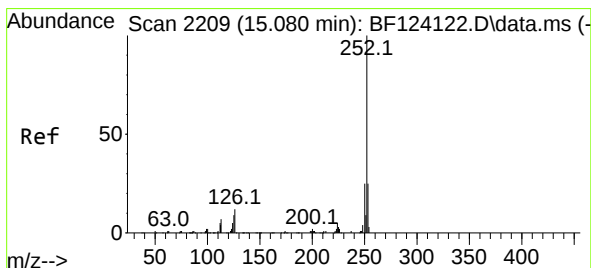
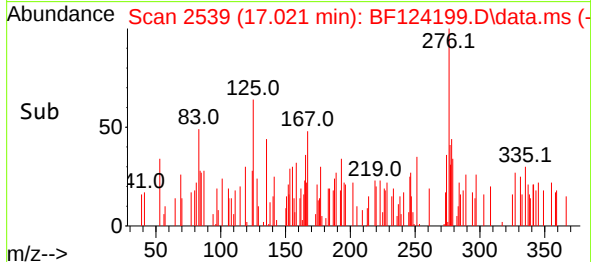
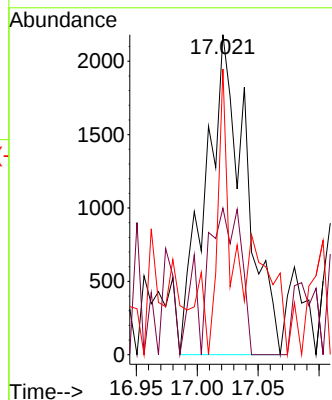
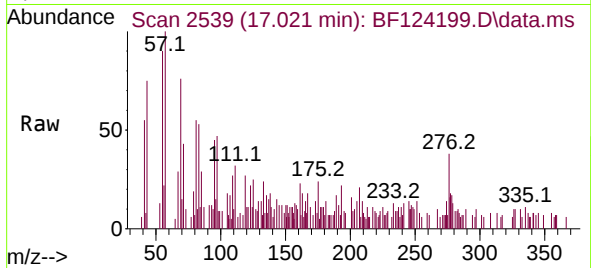




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.31 ng
RT: 17.021 min Scan# 2539
Delta R.T. 0.018 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

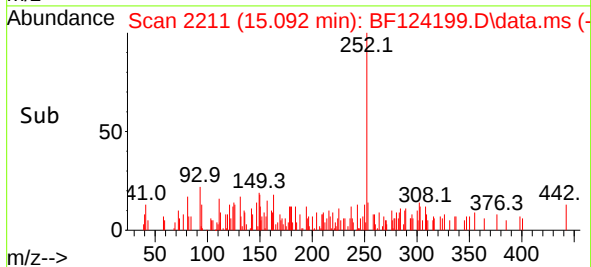
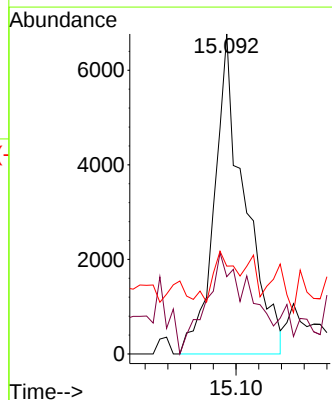
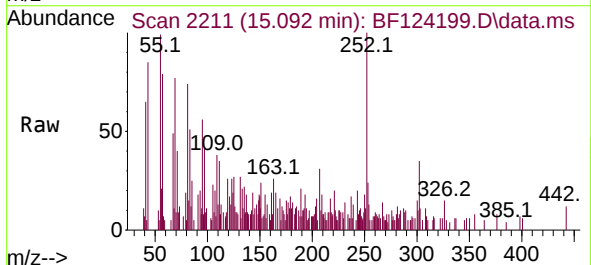
Instrument :
BNA_F
ClientSampleId :
HD-02-060721

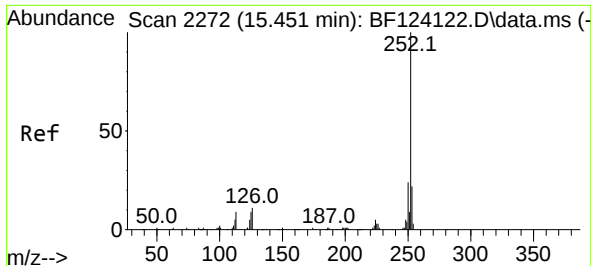
Tgt Ion:276 Resp: 5013
Ion Ratio Lower Upper
276 100
138 34.7 16.2 24.2#
277 28.7 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 2.86 ng
RT: 15.092 min Scan# 2211
Delta R.T. 0.012 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

Tgt Ion:252 Resp: 12505
Ion Ratio Lower Upper
252 100
253 24.2 18.1 27.1
125 27.5 6.2 9.4#

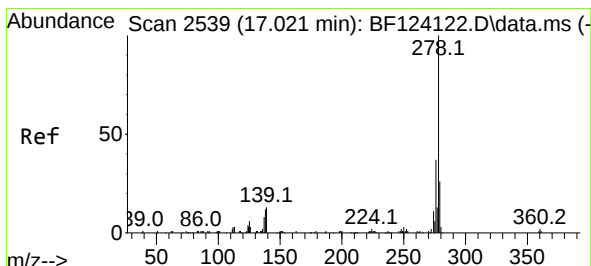
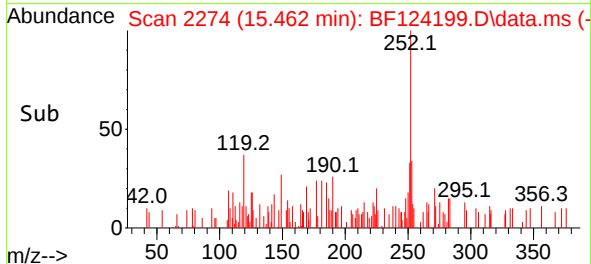
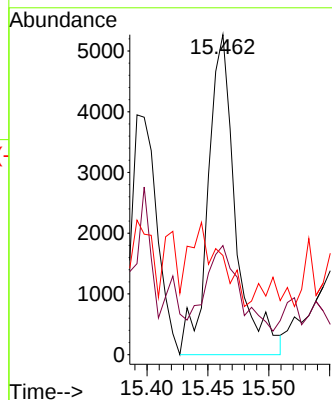
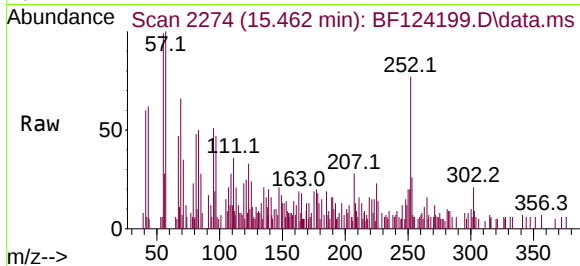




#90
Benzo(a)pyrene
Concen: 2.18 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.012 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

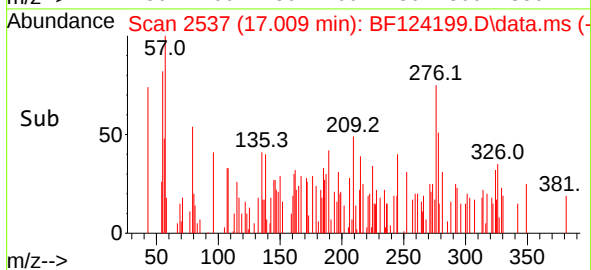
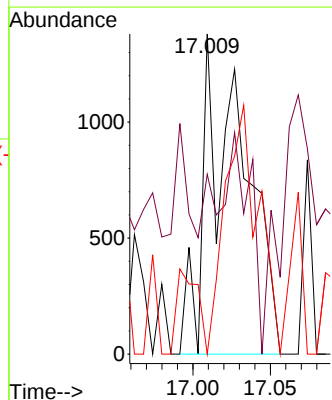
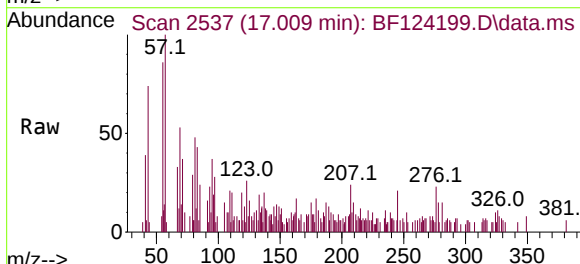
Instrument :
BNA_F
ClientSampleId :
HD-02-060721

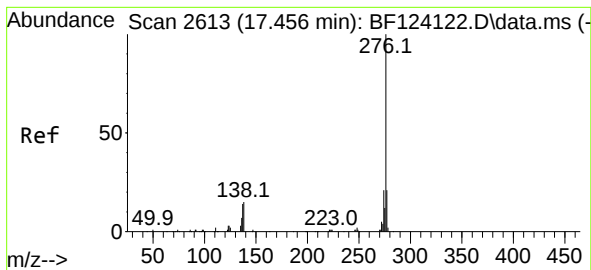
Tgt Ion:252 Resp: 8288
Ion Ratio Lower Upper
252 100
253 34.1 18.4 27.6#
125 31.0 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 4.74 ng
RT: 17.009 min Scan# 2537
Delta R.T. -0.012 min
Lab File: BF124199.D
Acq: 9 Jun 2021 1:40

Tgt Ion:278 Resp: 2483
Ion Ratio Lower Upper
278 100
139 56.2 10.2 15.2#
279 0.0 19.4 29.0#





#92
 Benzo(g,h,i)perylene
 Concen: 4.96 ng
 RT: 17.480 min Scan# 2617
 Delta R.T. 0.024 min
 Lab File: BF124199.D
 Acq: 9 Jun 2021 1:40

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-060721

Tgt Ion:	276	Resp:	4932
Ion Ratio	Lower	Upper	
276	100		
277	22.0	18.2	27.2
138	48.8	13.8	20.6#

