

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
 Data File : BF124885.D
 Acq On : 30 Jul 2021 20:04
 Operator : JU/CG
 Sample : M3219-01 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-072821

Quant Time: Jul 31 00:07:48 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

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

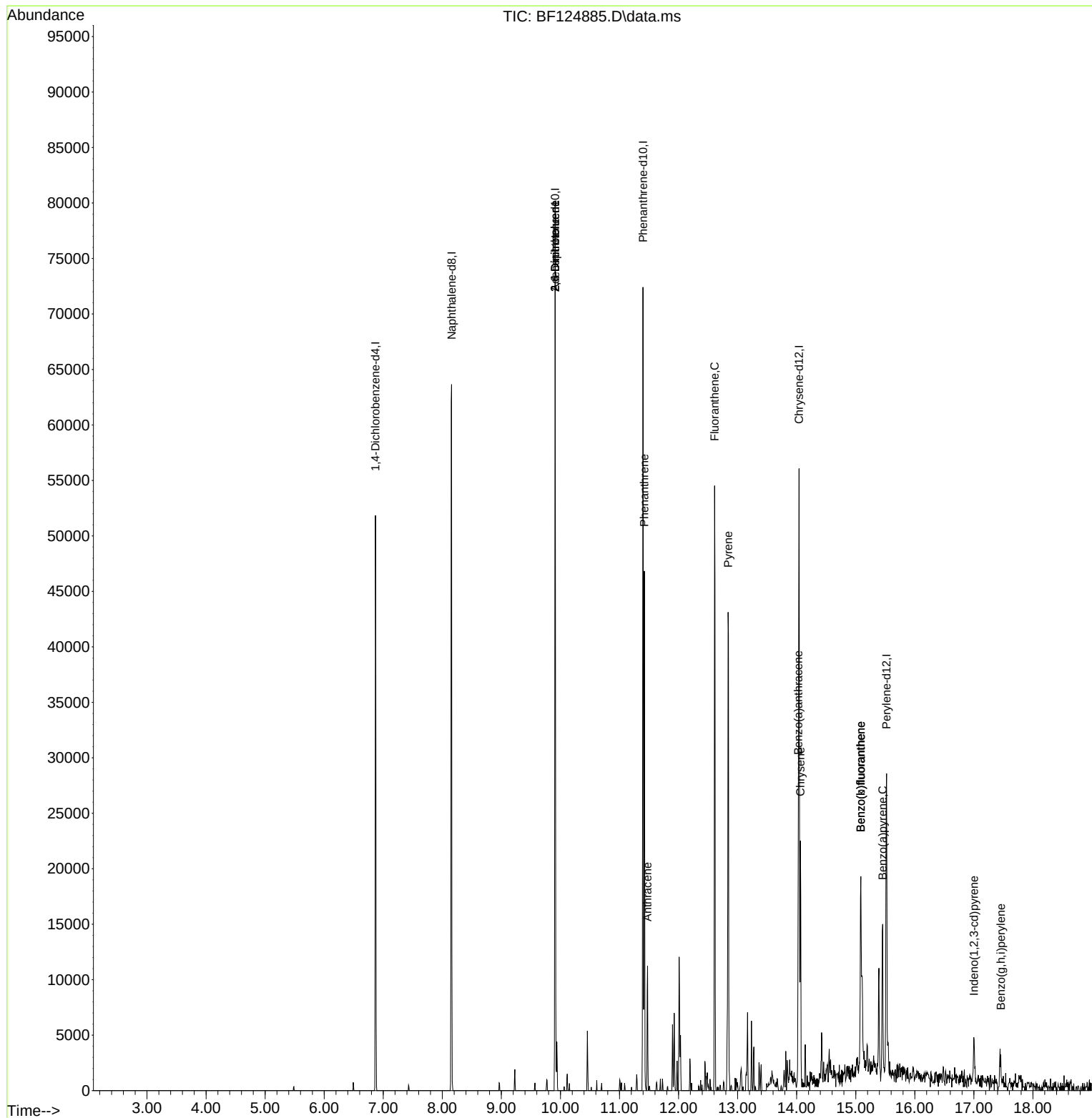
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	7316	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	28157	20.00	ng	# 0.00
39) Acenaphthene-d10	9.910	164	15954	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	26244	20.00	ng	0.00
76) Chrysene-d12	14.039	240	16673	20.00	ng	# 0.00
86) Perylene-d12	15.521	264	14035	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	253	0.59	ng	0.00
7) Phenol-d6	6.492	99	388	0.72	ng	0.00
23) Nitrobenzene-d5	7.428	82	306	0.65	ng	-0.01
42) 2,4,6-Tribromophenol	0.000	330	0	0.00	ng	
45) 2-Fluorobiphenyl	9.228	172	883	0.81	ng	0.00
79) Terphenyl-d14	12.980	244	914	0.94	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.910	165	1888	7.78	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	1888	5.73	ng	# 18
71) Phenanthrene	11.421	178	16344	11.58	ng	99
72) Anthracene	11.474	178	5314	3.77	ng	98
75) Fluoranthene	12.610	202	22522	15.64	ng	96
78) Pyrene	12.839	202	20180	15.29	ng	96
81) Benzo(a)anthracene	14.027	228	10005	9.18	ng	# 86
83) Chrysene	14.063	228	8547	8.14	ng	96
87) Indeno(1,2,3-cd)pyrene	17.003	276	3209	3.96	ng	# 78
88) Benzo(b)fluoranthene	15.086	252	13793	13.96	ng	97
89) Benzo(k)fluoranthene	15.086	252	13793	15.28	ng	# 96
90) Benzo(a)pyrene	15.457	252	7330	8.88	ng	98
92) Benzo(g,h,i)perylene	17.456	276	3168	4.71	ng	# 47

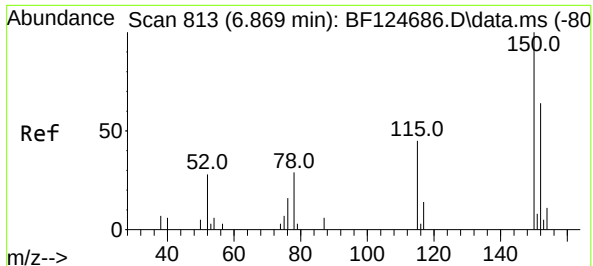
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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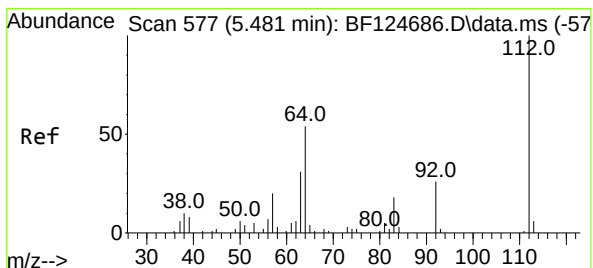
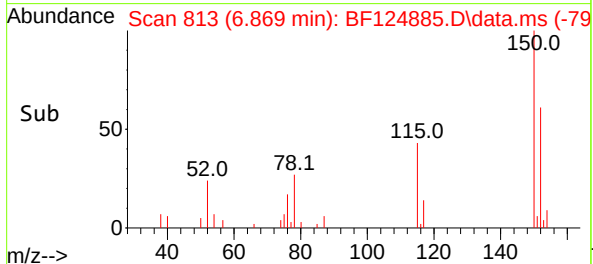
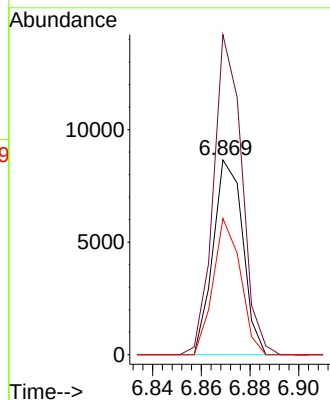
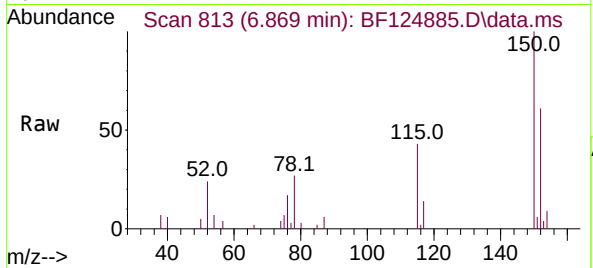




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

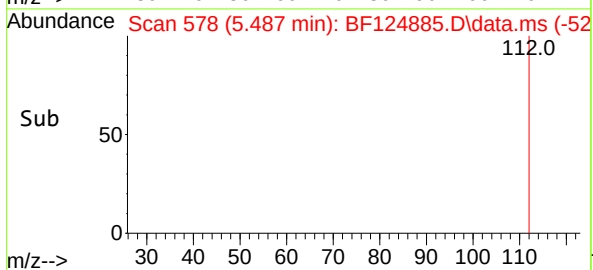
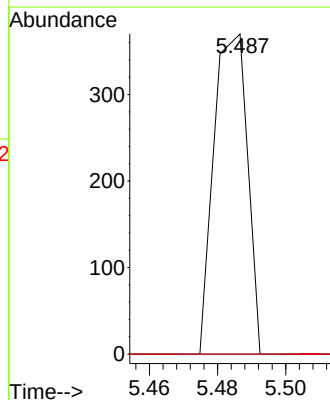
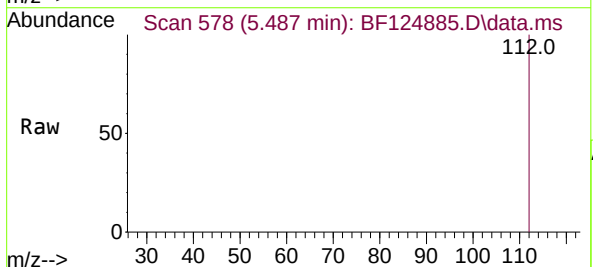
Instrument :
BNA_F
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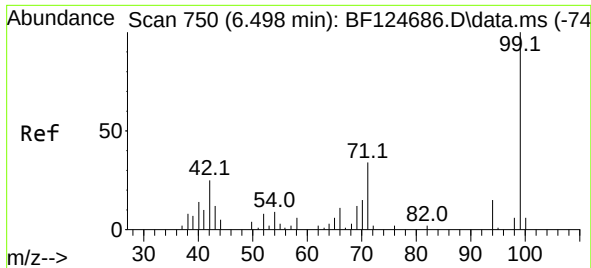
Tgt Ion:152 Resp: 7316
Ion Ratio Lower Upper
152 100
150 164.3 117.6 176.4
115 69.9 47.1 70.7



#5
2-Fluorophenol
Concen: 0.59 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

Tgt Ion:112 Resp: 253
Ion Ratio Lower Upper
112 100
64 0.0 44.2 66.2#
63 0.0 26.2 39.2#

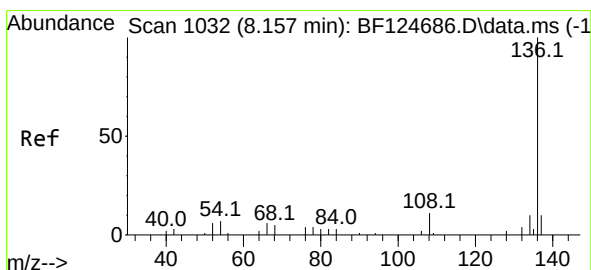
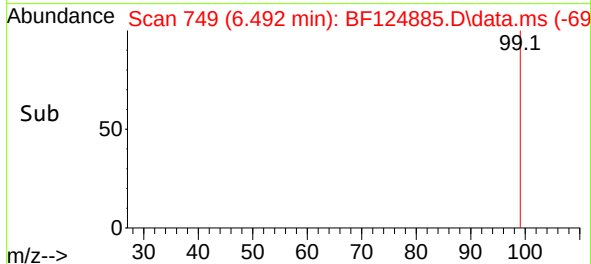
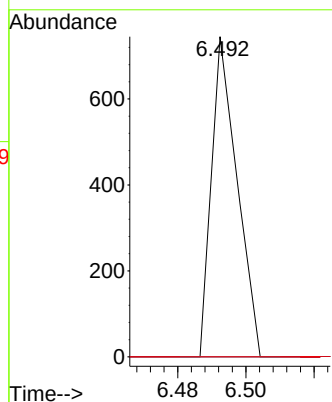
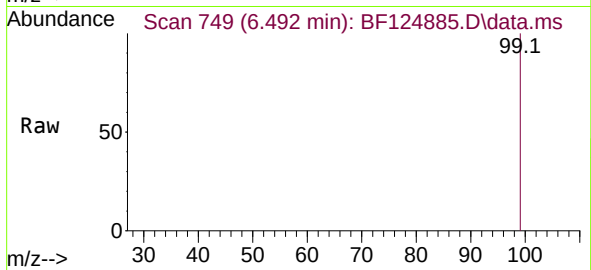




#7
Phenol-d6
Concen: 0.72 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

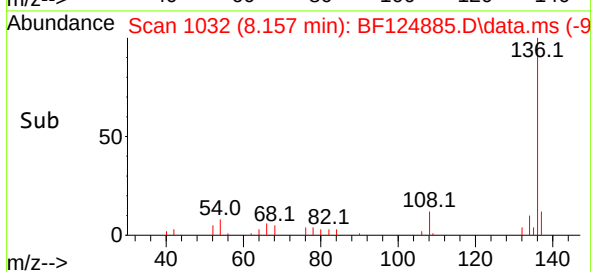
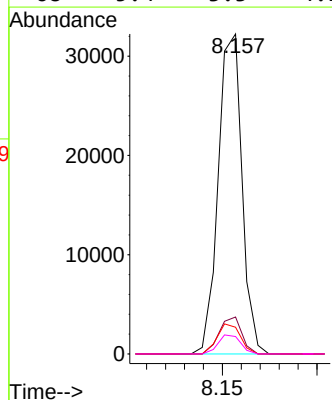
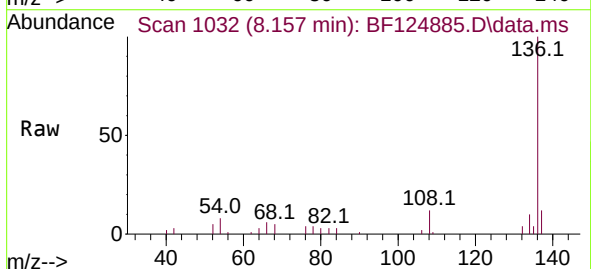
Instrument :
BNA_F
ClientSampleId :
TR-05-072821

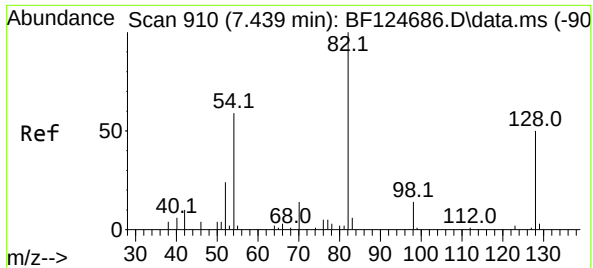
Tgt Ion:	99	Resp:	388
Ion	Ratio	Lower	Upper
99	100		
42	0.0	23.5	35.3#
71	0.0	25.6	38.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

Tgt Ion:	136	Resp:	28157
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.6
54	8.4	6.4	9.6
68	5.4	3.3	4.9#

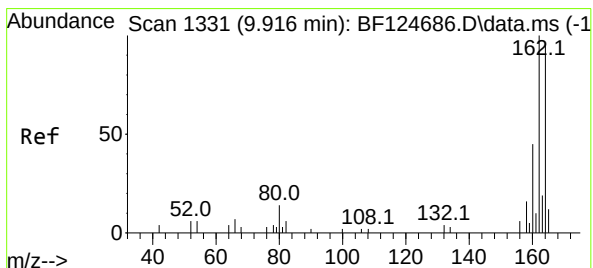
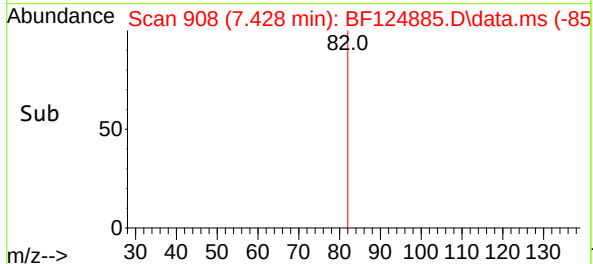
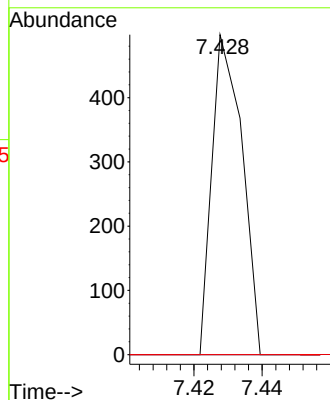
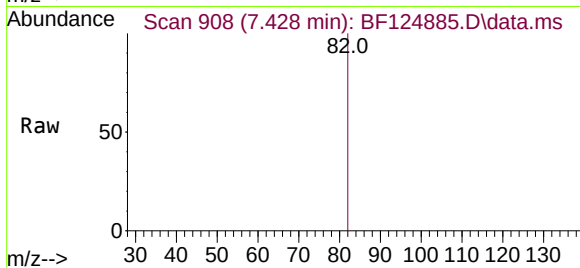




#23
Nitrobenzene-d5
Concen: 0.65 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

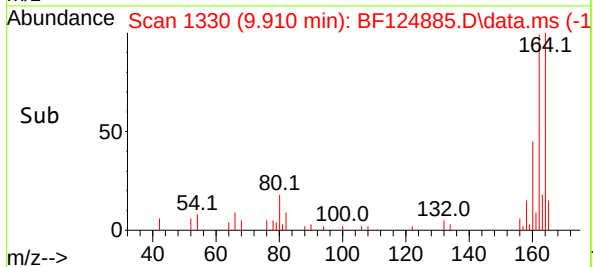
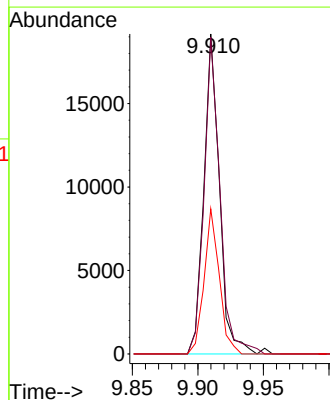
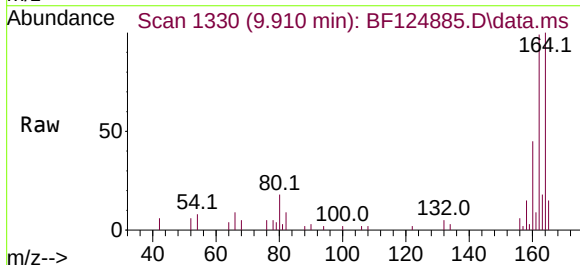
Instrument :
BNA_F
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TR-05-072821

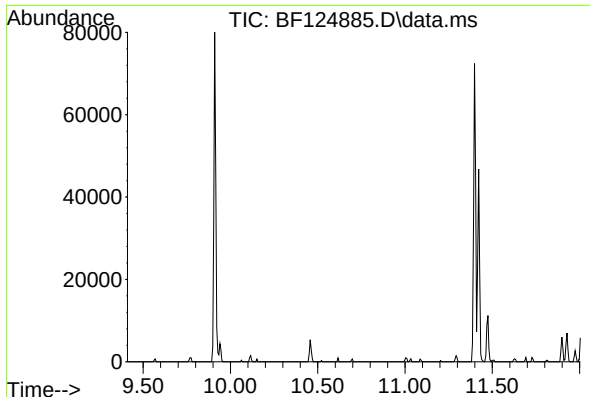
Tgt Ion: 82 Resp: 306
Ion Ratio Lower Upper
82 100
128 0.0 40.6 60.8#
54 0.0 49.6 74.4#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

Tgt Ion: 164 Resp: 15954
Ion Ratio Lower Upper
164 100
162 99.0 81.3 121.9
160 45.3 38.0 57.0



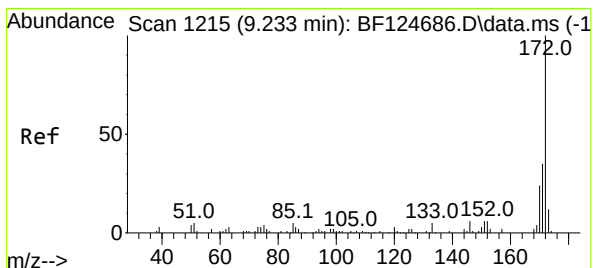
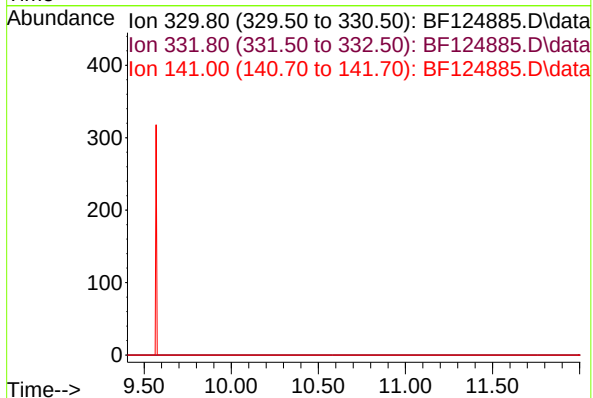


#42
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.70 min
 Lab File: BF124885.D
 Acq: 30 Jul 2021 20:04

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.3
141	55.7

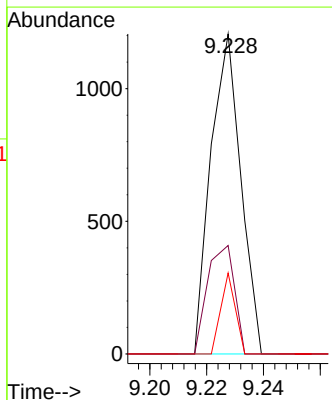
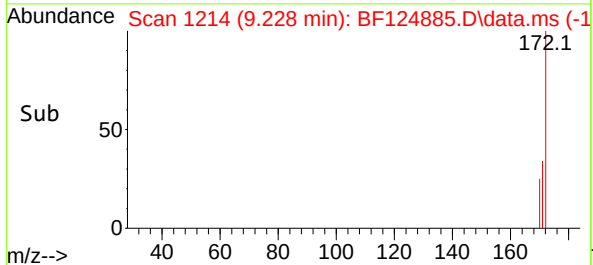
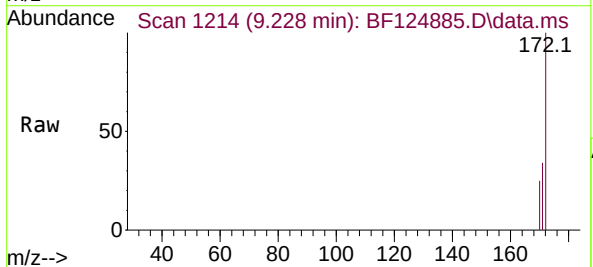
Instrument :
 BNA_F
 ClientSampleId :
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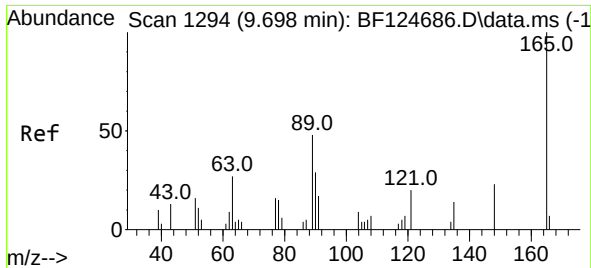


#45
 2-Fluorobiphenyl
 Concen: 0.81 ng
 RT: 9.228 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: BF124885.D
 Acq: 30 Jul 2021 20:04

Tgt Ion: 172 Resp: 883

Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.5	39.7
170	25.3	18.8	28.2

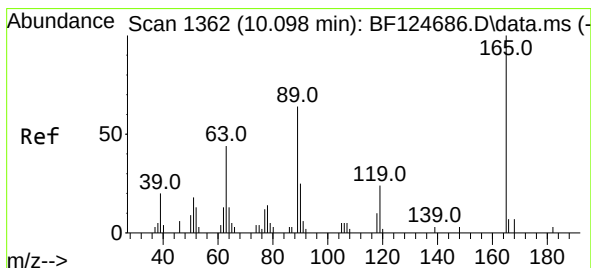
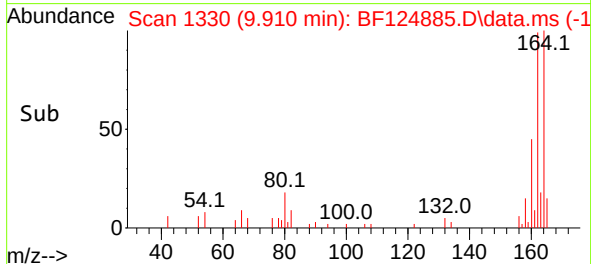
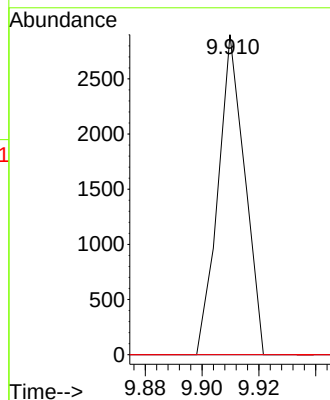
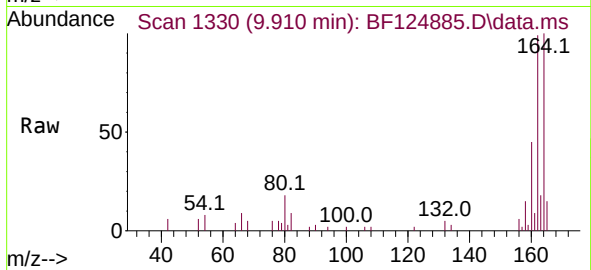




#51
2,6-Dinitrotoluene
Concen: 7.78 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

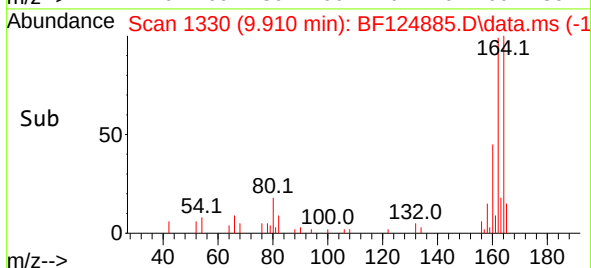
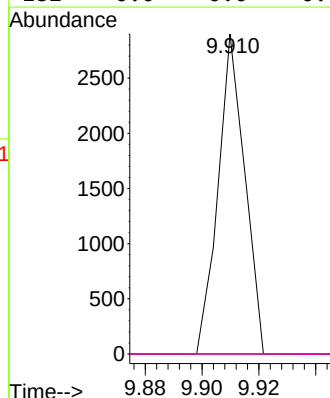
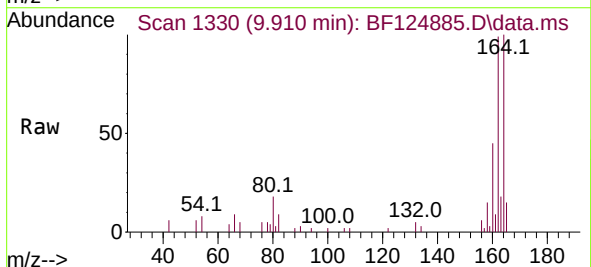
Instrument :
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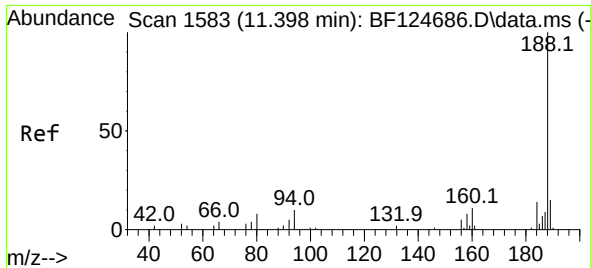
Tgt Ion:165 Resp: 1888
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 5.73 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

Tgt Ion:165 Resp: 1888
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0

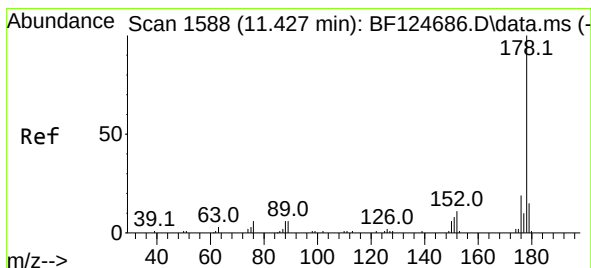
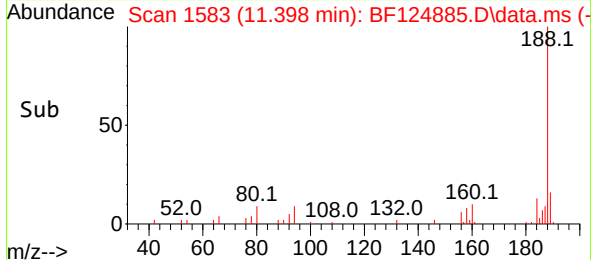
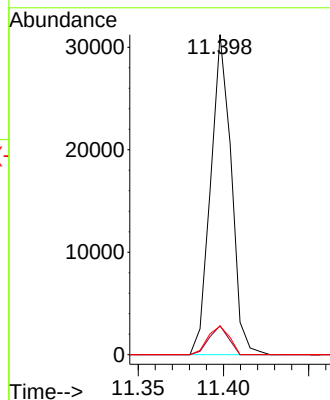
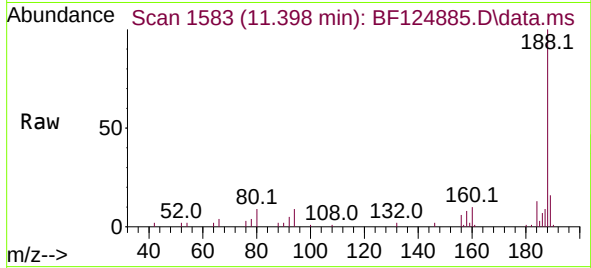




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

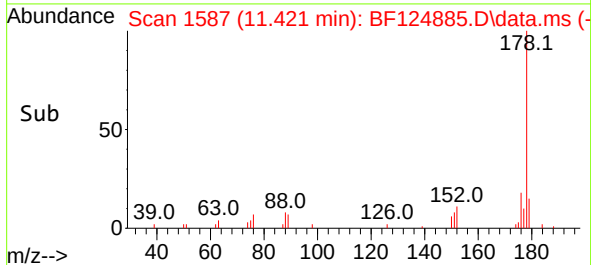
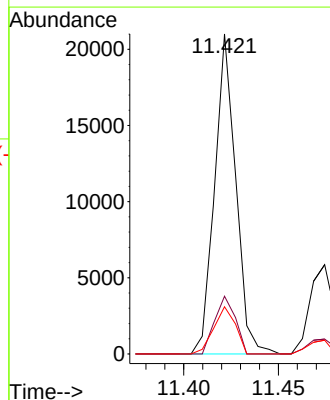
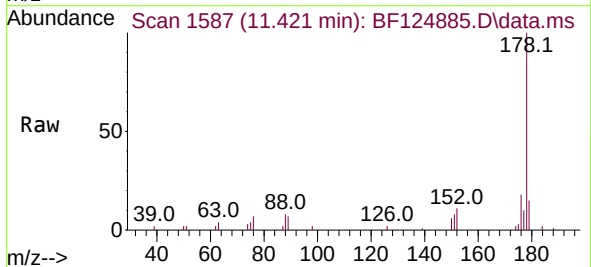
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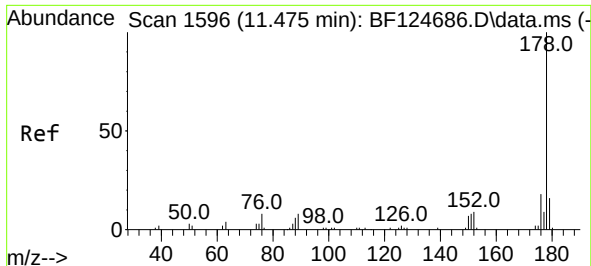
Tgt Ion:188 Resp: 26244
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 8.9 7.5 11.3



#71
Phenanthrene
Concen: 11.58 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

Tgt Ion:178 Resp: 16344
Ion Ratio Lower Upper
178 100
176 18.0 14.7 22.1
179 14.7 11.5 17.3

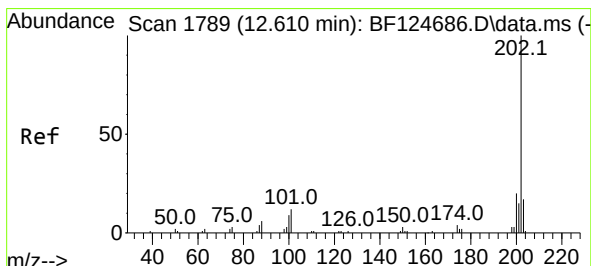
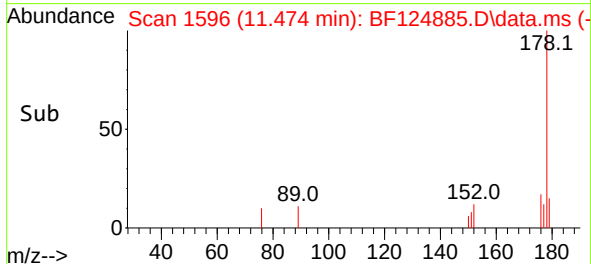
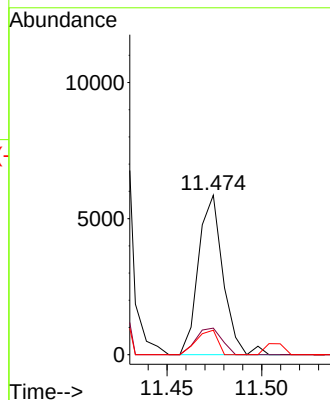
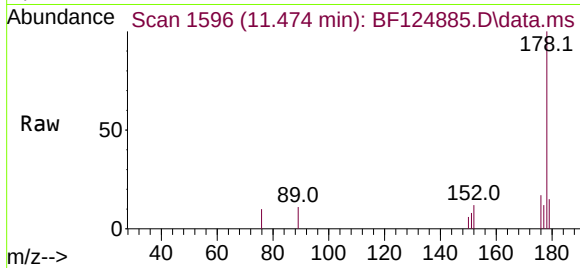




#72
 Anthracene
 Concen: 3.77 ng
 RT: 11.474 min Scan# 1596
 Delta R.T. -0.000 min
 Lab File: BF124885.D
 Acq: 30 Jul 2021 20:04

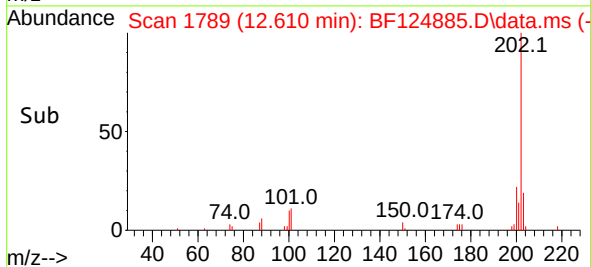
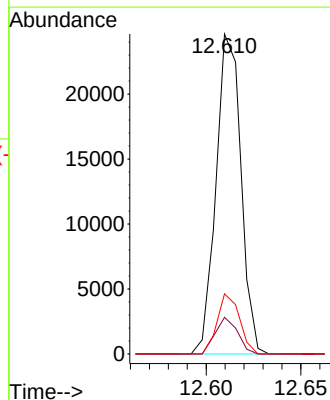
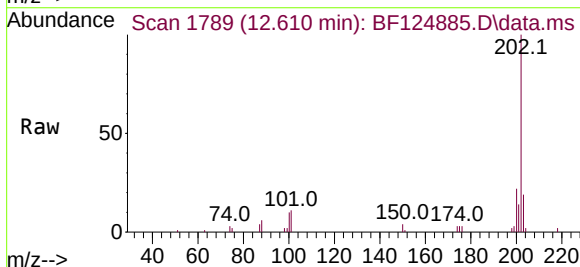
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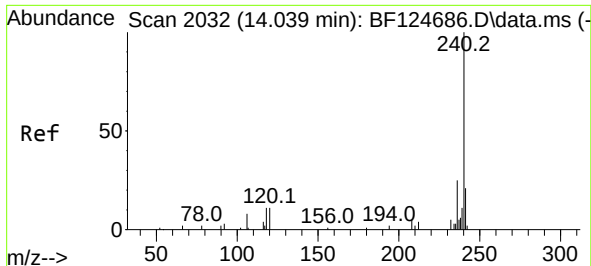
Tgt Ion:178 Resp: 5314
 Ion Ratio Lower Upper
 178 100
 176 16.7 14.3 21.5
 179 15.4 12.2 18.4



#75
 Fluoranthene
 Concen: 15.64 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: BF124885.D
 Acq: 30 Jul 2021 20:04

Tgt Ion:202 Resp: 22522
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 30.7
 203 18.8 0.0 36.3

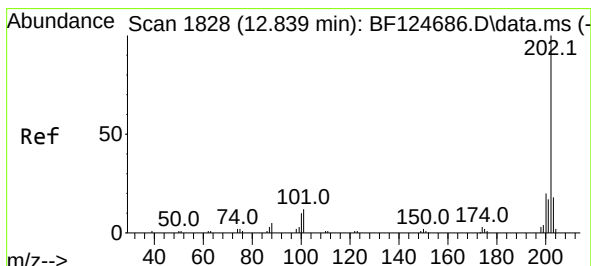
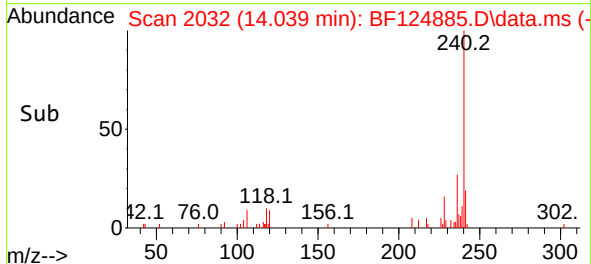
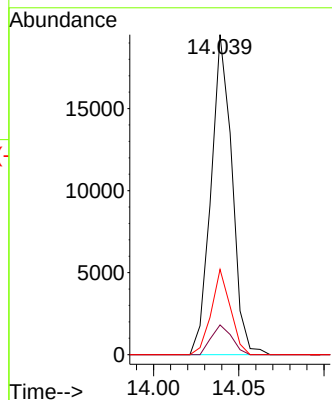
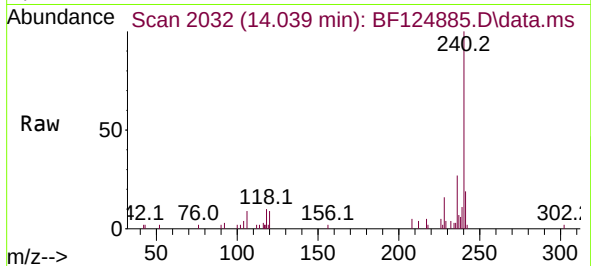




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

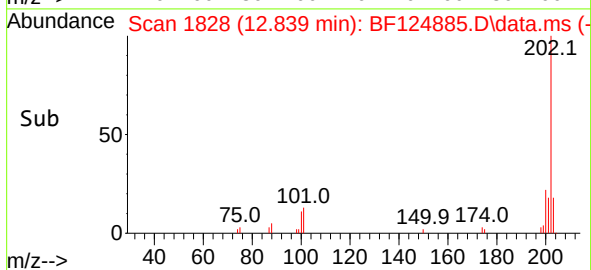
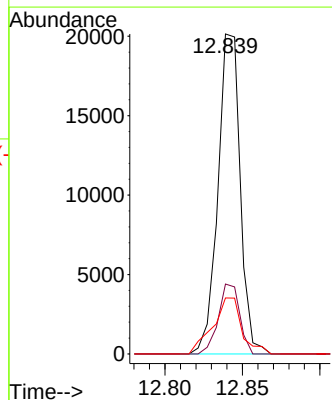
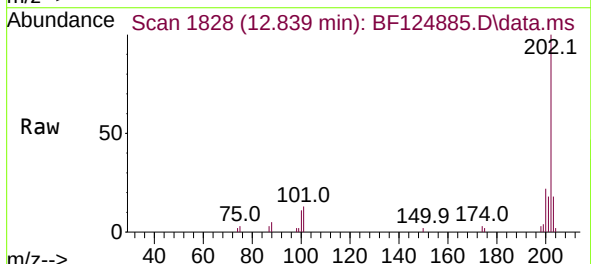
Instrument :
BNA_F
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TR-05-072821

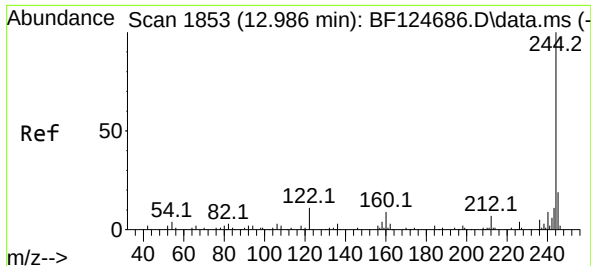
Tgt Ion:240 Resp: 16673
Ion Ratio Lower Upper
240 100
120 9.3 10.8 16.2#
236 26.7 21.6 32.4



#78
Pyrene
Concen: 15.29 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

Tgt Ion:202 Resp: 20180
Ion Ratio Lower Upper
202 100
200 21.8 15.3 22.9
203 17.5 13.4 20.0

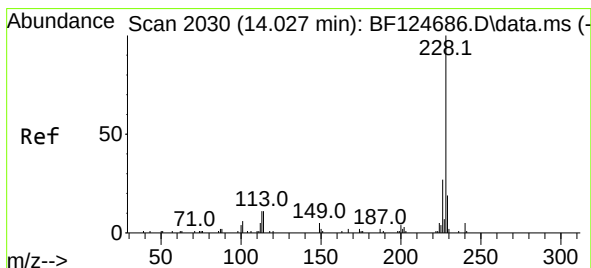
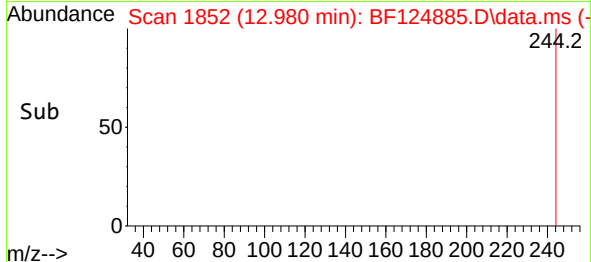
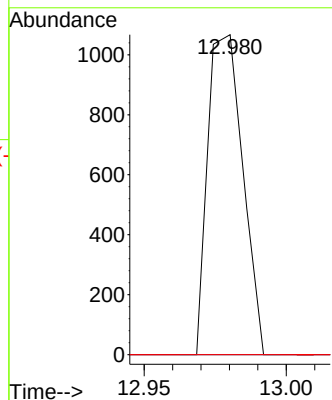
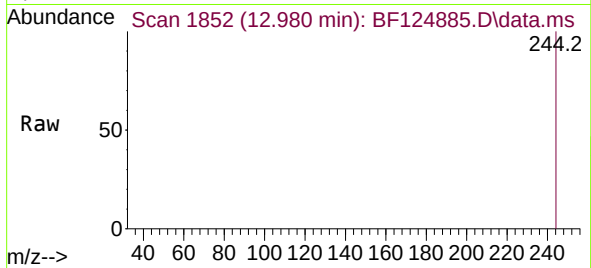




#79
 Terphenyl-d14
 Concen: 0.94 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF124885.D
 Acq: 30 Jul 2021 20:04

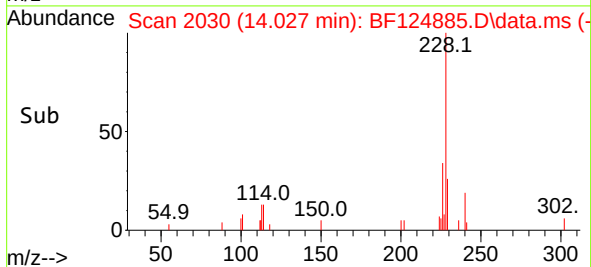
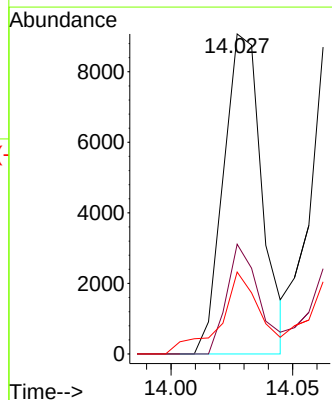
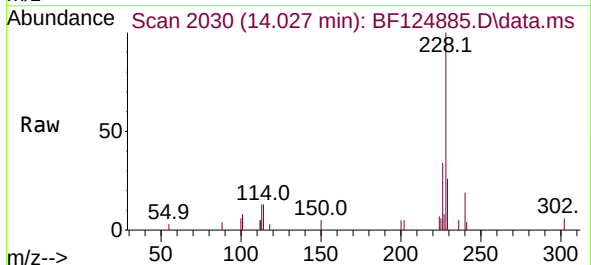
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-072821

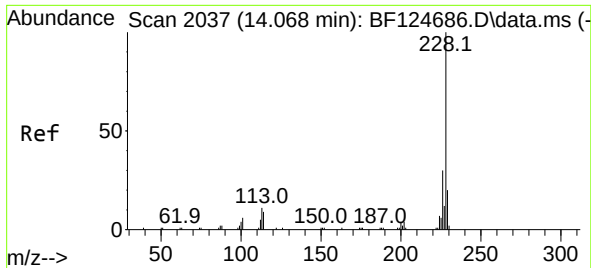
Tgt Ion:244 Resp: 914
 Ion Ratio Lower Upper
 244 100
 212 0.0 5.9 8.9#
 122 0.0 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 9.18 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.000 min
 Lab File: BF124885.D
 Acq: 30 Jul 2021 20:04

Tgt Ion:228 Resp: 10005
 Ion Ratio Lower Upper
 228 100
 226 34.3 21.6 32.4#
 229 25.6 15.6 23.4#

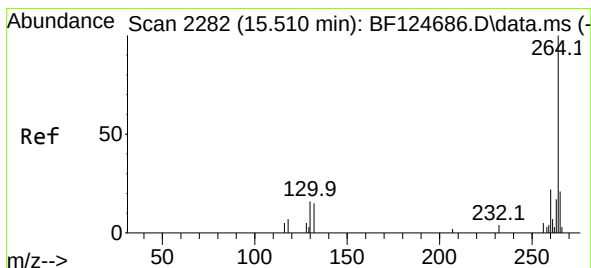
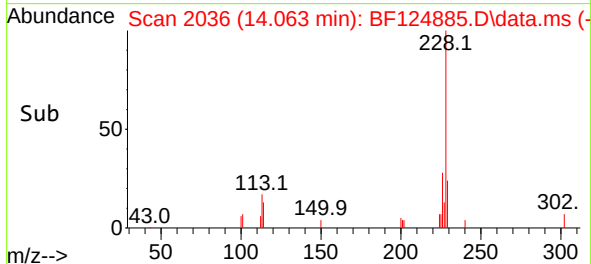
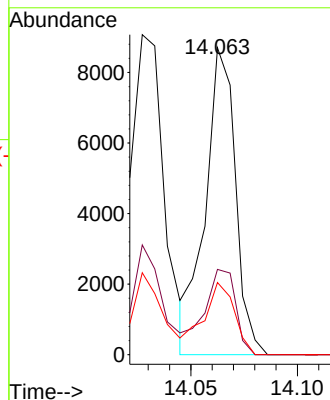
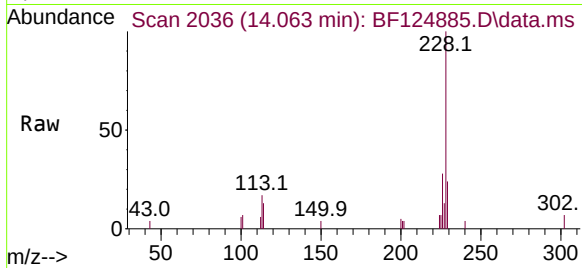




#83
Chrysene
Concen: 8.14 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

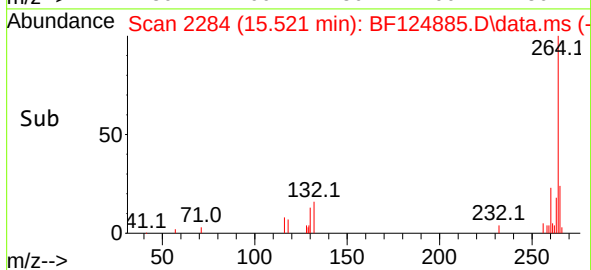
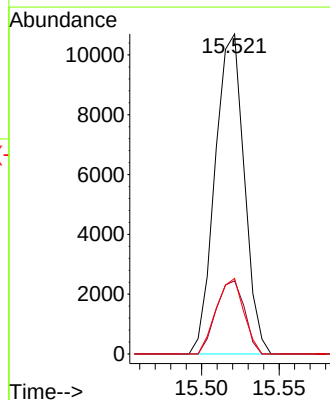
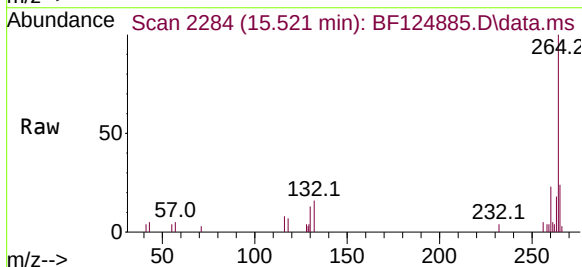
Instrument :
BNA_F
ClientSampleId :
TR-05-072821

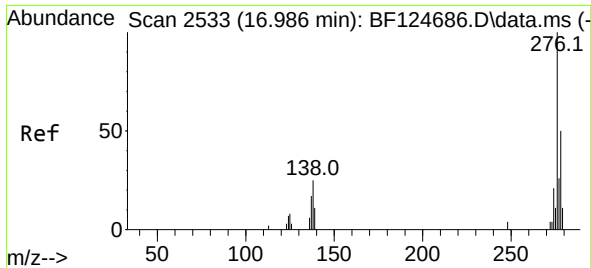
Tgt Ion:228	Resp:	8547
Ion Ratio	Lower	Upper
228	100	
226	27.8	22.6 34.0
229	23.5	15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.012 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

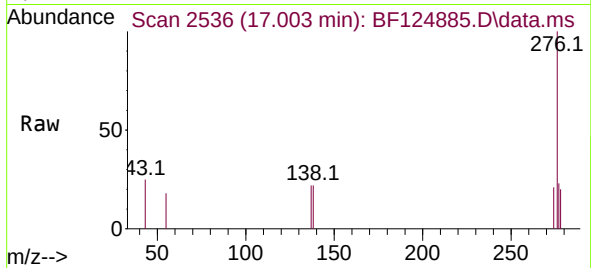
Tgt Ion:264	Resp:	14035
Ion Ratio	Lower	Upper
264	100	
260	22.9	19.6 29.4
265	23.6	17.2 25.8



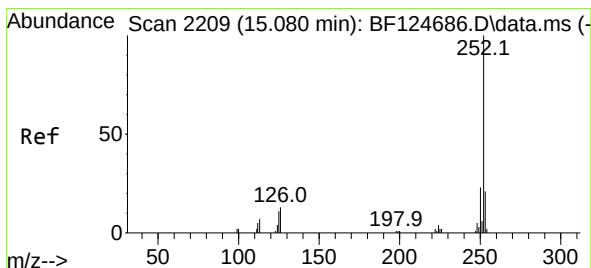
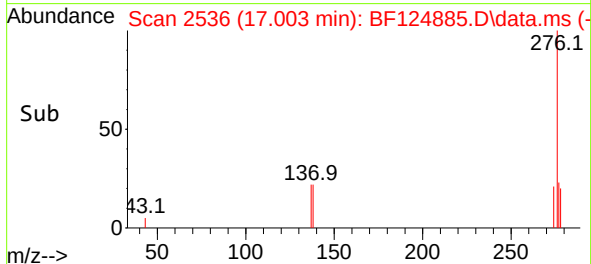
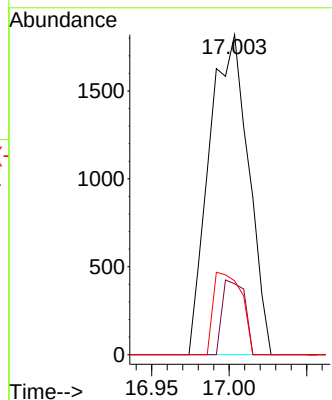


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.96 ng
RT: 17.003 min Scan# 2536
Delta R.T. 0.018 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

Instrument :
BNA_F
ClientSampleId :
TR-05-072821

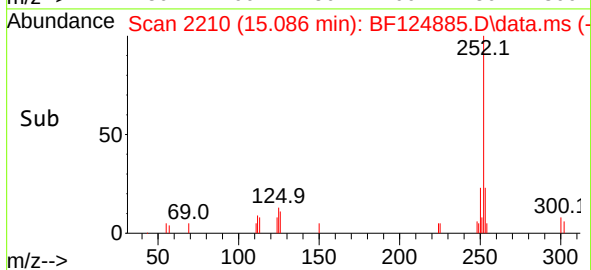
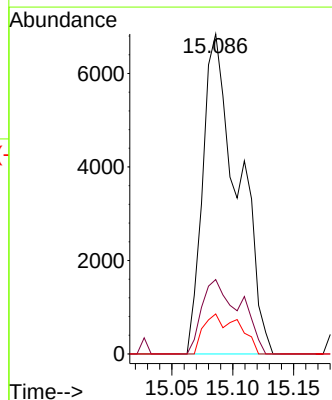
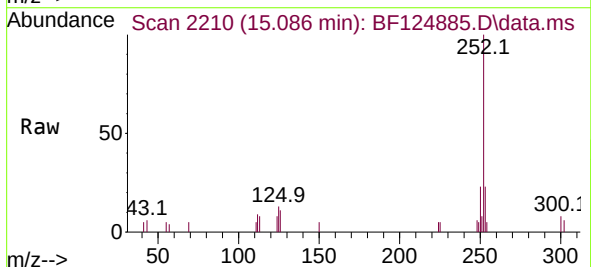


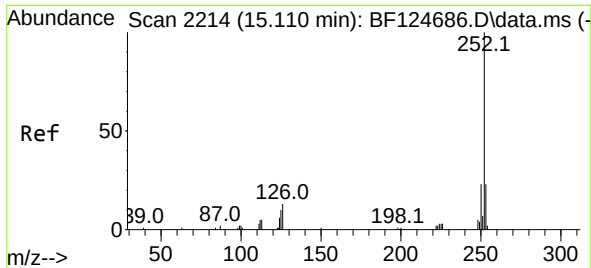
Tgt Ion:276 Resp: 3209
Ion Ratio Lower Upper
276 100
138 13.2 24.1 36.1#
277 18.4 18.8 28.2#



#88
Benzo(b)fluoranthene
Concen: 13.96 ng
RT: 15.086 min Scan# 2210
Delta R.T. 0.006 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

Tgt Ion:252 Resp: 13793
Ion Ratio Lower Upper
252 100
253 23.3 16.8 25.2
125 12.5 9.8 14.8

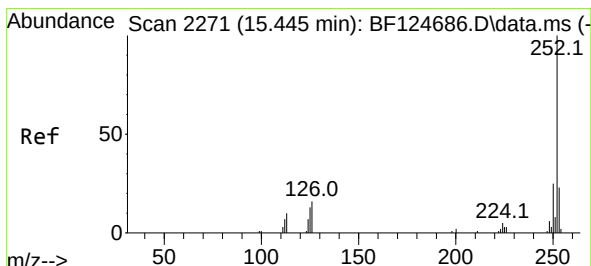
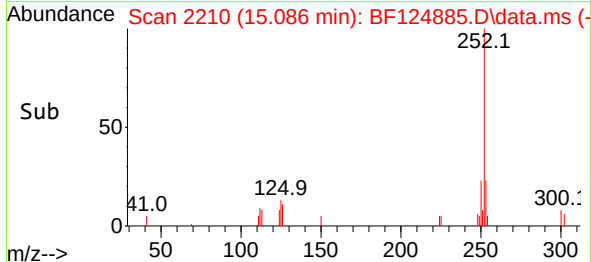
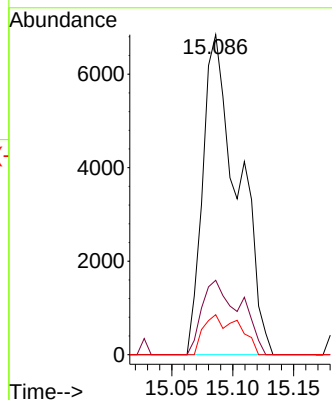
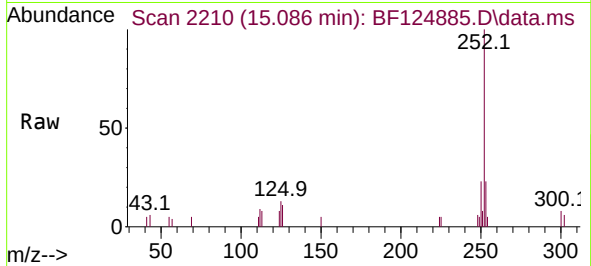




#89
Benzo(k)fluoranthene
Concen: 15.28 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.024 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

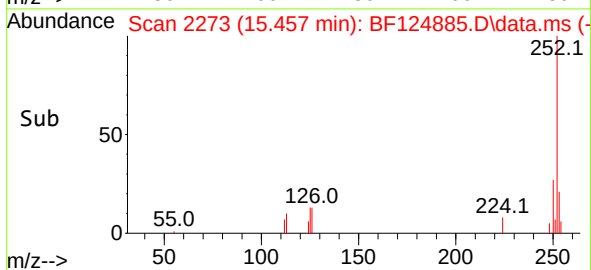
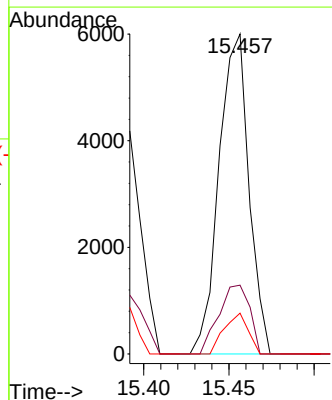
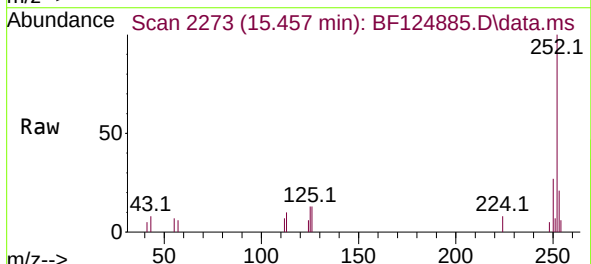
Instrument :
BNA_F
ClientSampleId :
TR-05-072821

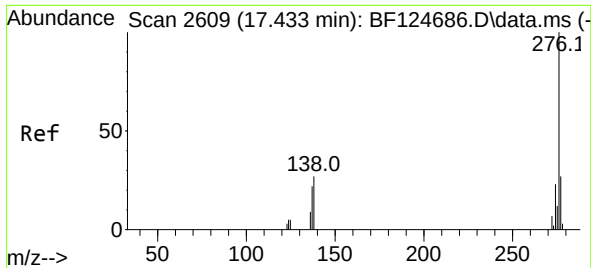
Tgt Ion:252 Resp: 13793
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 12.5 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 8.88 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.012 min
Lab File: BF124885.D
Acq: 30 Jul 2021 20:04

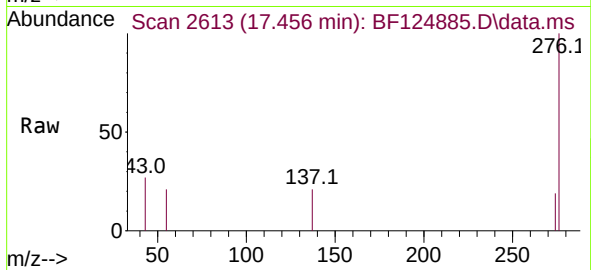
Tgt Ion:252 Resp: 7330
Ion Ratio Lower Upper
252 100
253 21.5 18.4 27.6
125 12.8 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 4.71 ng
 RT: 17.456 min Scan# 2613
 Delta R.T. 0.023 min
 Lab File: BF124885.D
 Acq: 30 Jul 2021 20:04

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-072821



Tgt Ion: 276 Resp: 3168
 Ion Ratio Lower Upper
 276 100
 277 0.0 22.0 33.0#
 138 0.0 22.2 33.4#

