

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072821\
 Data File : BF124838.D
 Acq On : 28 Jul 2021 20:59
 Operator : JU/CG
 Sample : M3186-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA-2-(0-7)

Quant Time: Jul 29 02:11:26 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)

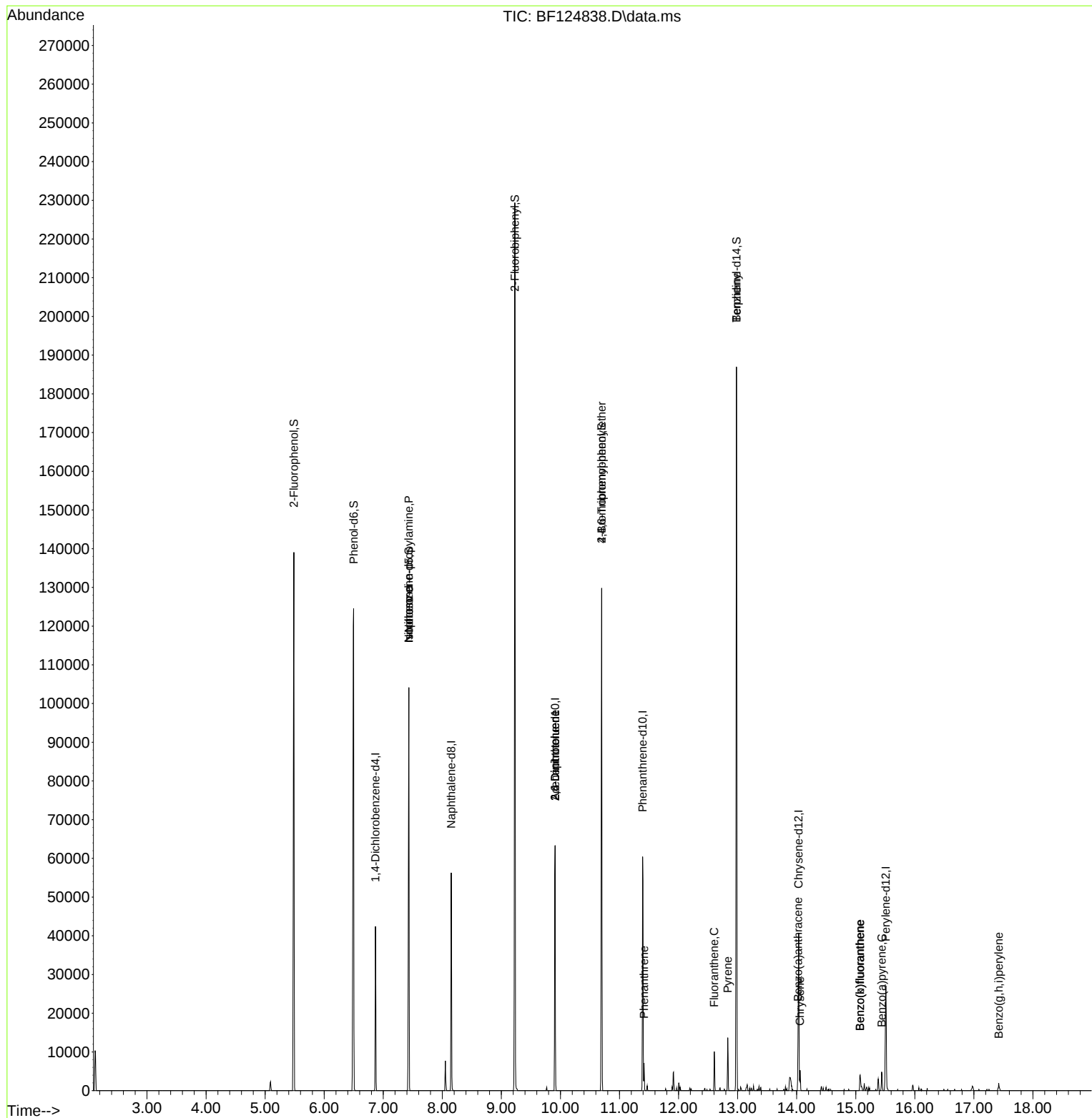
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	6102	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	22770	20.00	ng	# 0.00
39) Acenaphthene-d10	9.910	164	12931	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	23497	20.00	ng	# 0.00
76) Chrysene-d12	14.033	240	13556	20.00	ng	# 0.00
86) Perylene-d12	15.509	264	14443	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	35421	98.28	ng	0.00
7) Phenol-d6	6.498	99	44093	97.59	ng	0.00
23) Nitrobenzene-d5	7.433	82	29258	76.48	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	12513	112.70	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	64699	73.49	ng	0.00
79) Terphenyl-d14	12.980	244	63974	80.89	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	3963	16.43	ng	# 68
25) Isophorone	7.433	82	29257	43.25	ng	# 59
51) 2,6-Dinitrotoluene	9.910	165	1857	9.44	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	1857	6.96	ng	# 18
67) 4-Bromophenyl-phenylether	10.698	248	1031	4.14	ng	# 1
71) Phenanthrene	11.416	178	3113	2.46	ng	# 97
75) Fluoranthene	12.604	202	4756	3.69	ng	96
77) Benzidine	12.980	184	913	2.39	ng	# 69
78) Pyrene	12.833	202	6024	5.61	ng	99
81) Benzo(a)anthracene	14.021	228	3134	3.54	ng	# 82
83) Chrysene	14.057	228	2604	3.05	ng	93
88) Benzo(b)fluoranthene	15.074	252	4327	4.26	ng	# 90
89) Benzo(k)fluoranthene	15.074	252	4327	4.66	ng	# 88
90) Benzo(a)pyrene	15.439	252	2949	3.47	ng	# 90
92) Benzo(g,h,i)perylene	17.421	276	1762	2.55	ng	# 66

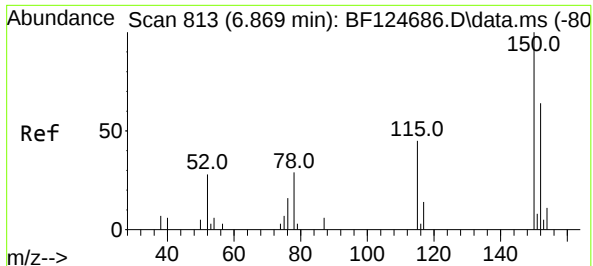
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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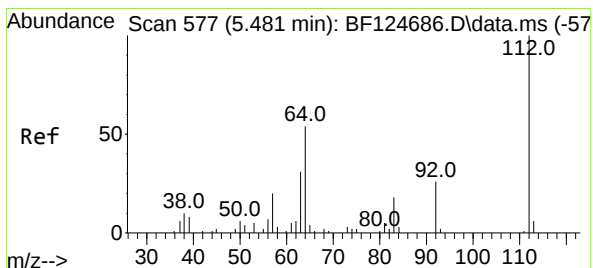
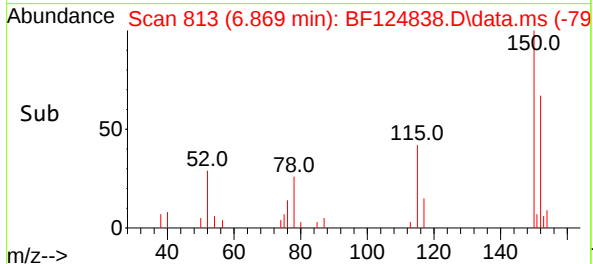
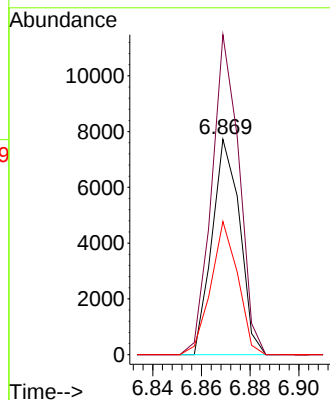
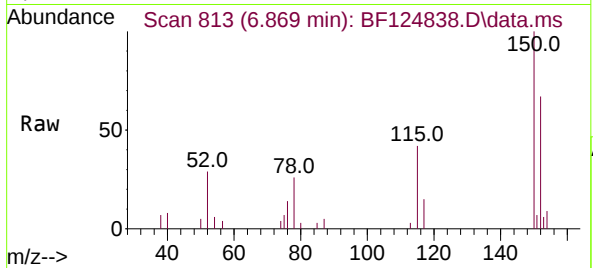




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

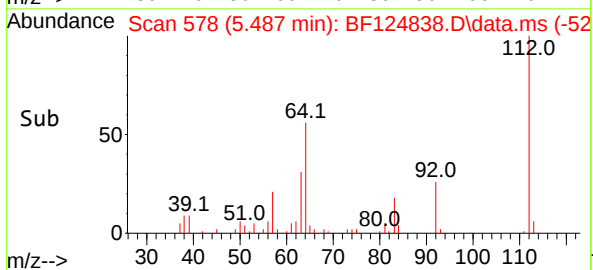
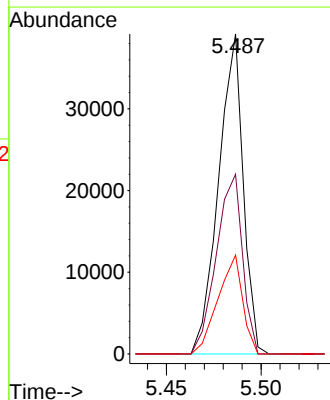
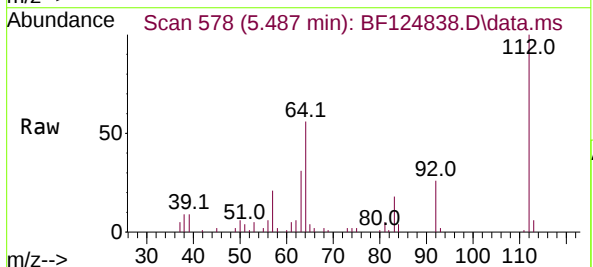
Instrument :
BNA_F
ClientSampleId :
AREA-2-(0-7)

Tgt Ion:152 Resp: 6102
Ion Ratio Lower Upper
152 100
150 148.6 117.6 176.4
115 61.8 47.1 70.7



#5
2-Fluorophenol
Concen: 98.28 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

Tgt Ion:112 Resp: 35421
Ion Ratio Lower Upper
112 100
64 56.1 44.2 66.2
63 30.9 26.2 39.2

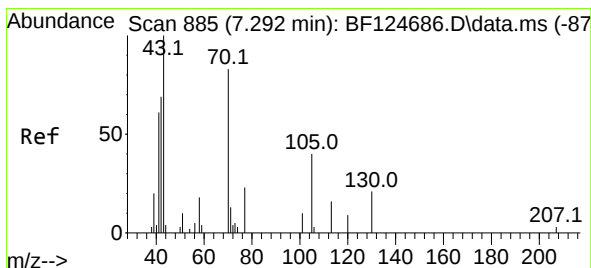
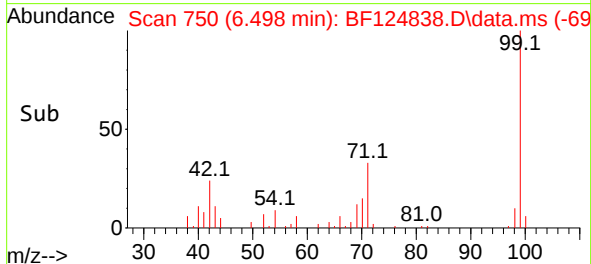
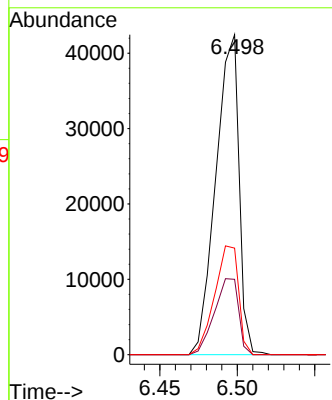
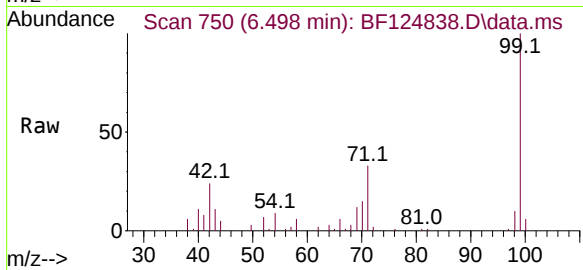




#7
Phenol-d6
Concen: 97.59 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.000 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

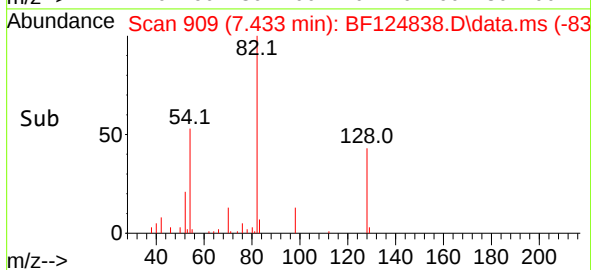
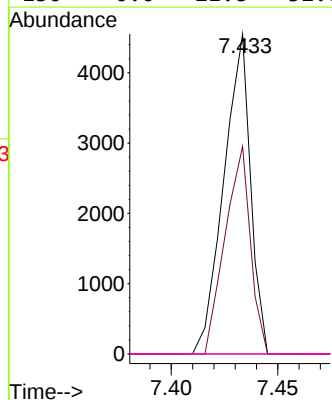
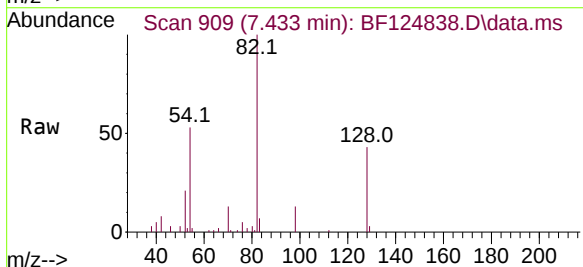
Instrument :
BNA_F
ClientSampleId :
AREA-2-(0-7)

Tgt Ion:	99	Resp:	44093
Ion	Ratio	Lower	Upper
99	100		
42	23.5	23.5	35.3
71	33.3	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.43 ng
RT: 7.433 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

Tgt Ion:	70	Resp:	3963
Ion	Ratio	Lower	Upper
70	100		
42	64.8	72.2	108.2#
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#

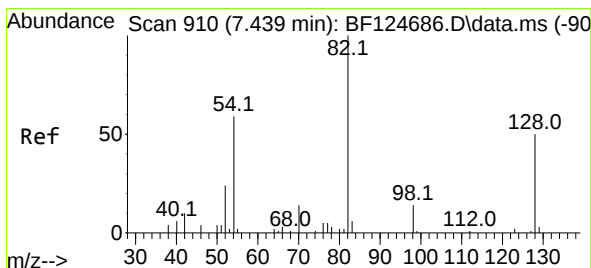
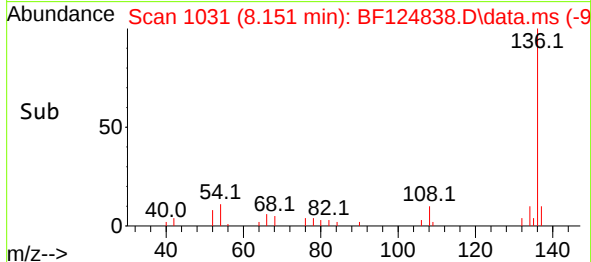
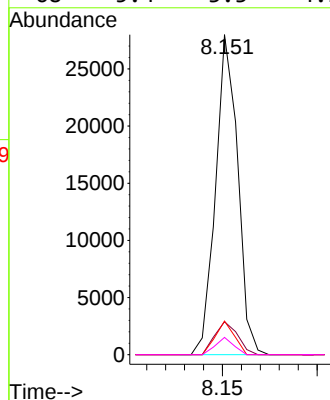
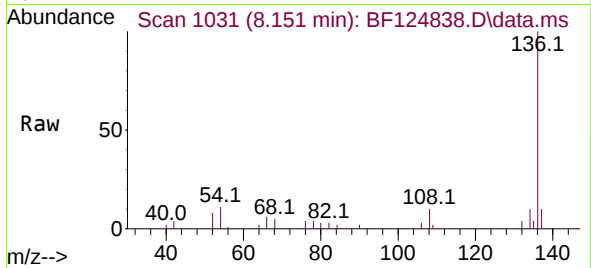




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

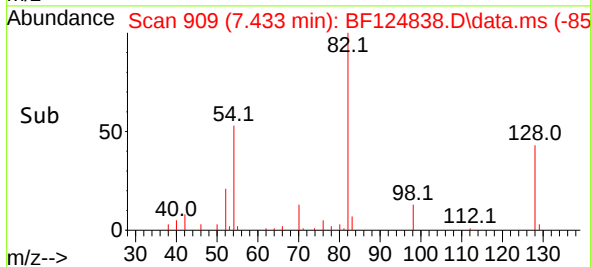
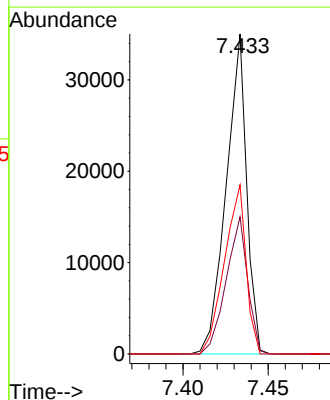
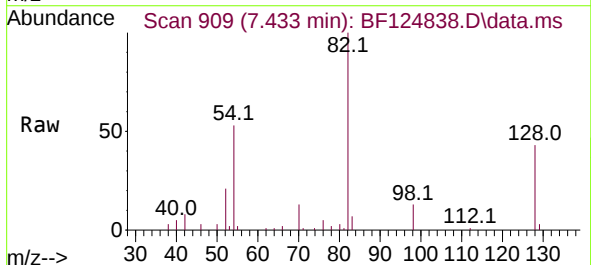
Instrument :
BNA_F
ClientSampleId :
AREA-2-(0-7)

Tgt Ion:	136	Resp:	22770
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.8	14.6
54	10.5	6.4	9.6#
68	5.4	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 76.48 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

Tgt Ion:	82	Resp:	29258
Ion	Ratio	Lower	Upper
82	100		
128	42.8	40.6	60.8
54	52.8	49.6	74.4

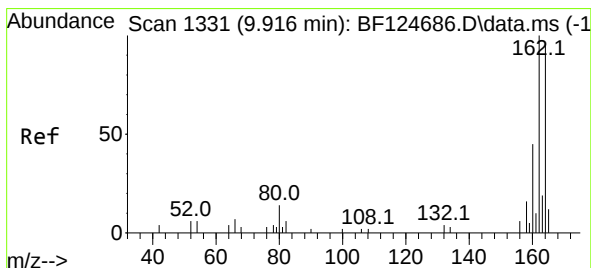
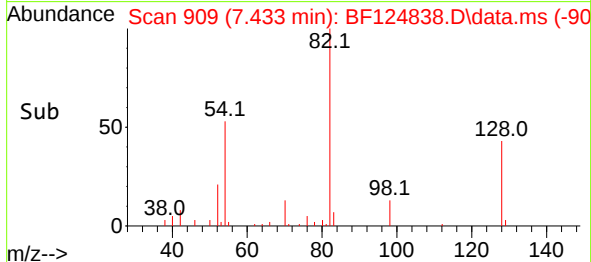
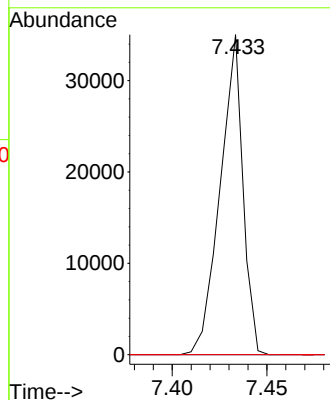
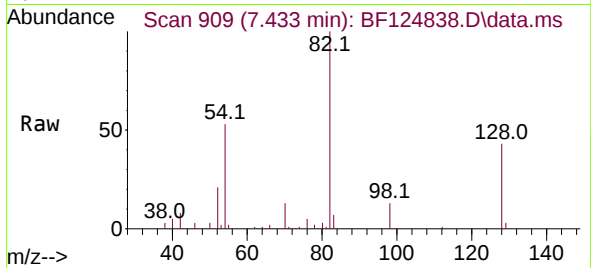




#25
Isophorone
Concen: 43.25 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

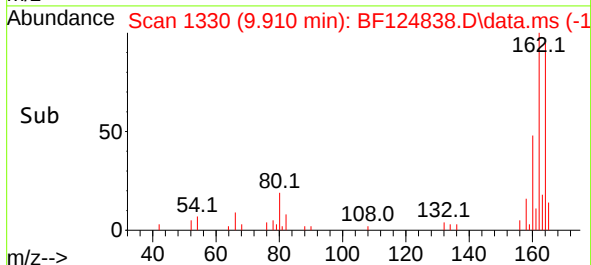
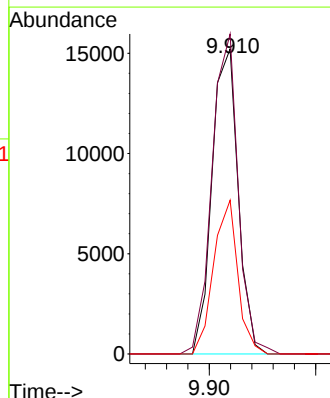
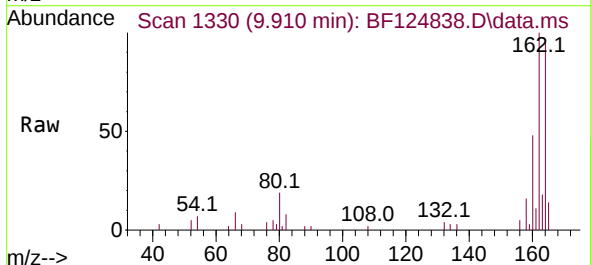
Instrument :
BNA_F
ClientSampleId :
AREA-2-(0-7)

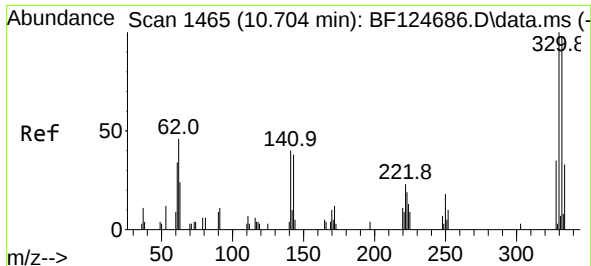
Tgt Ion: 82 Resp: 29257
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

Tgt Ion: 164 Resp: 12931
Ion Ratio Lower Upper
164 100
162 104.9 81.3 121.9
160 50.4 38.0 57.0

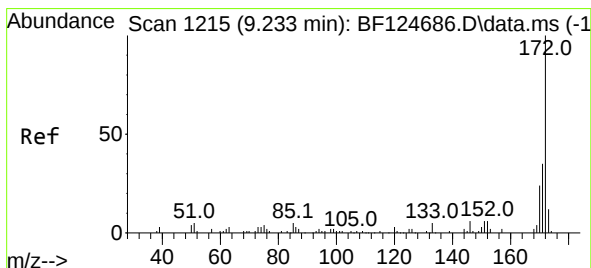
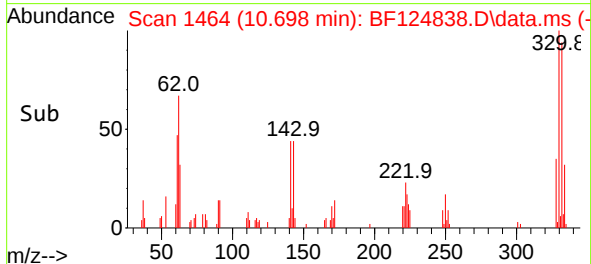
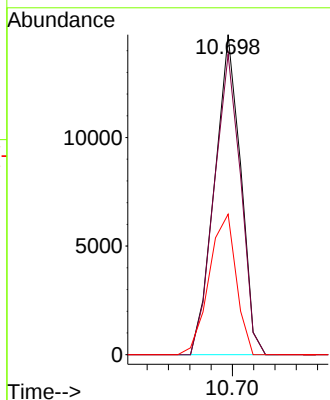
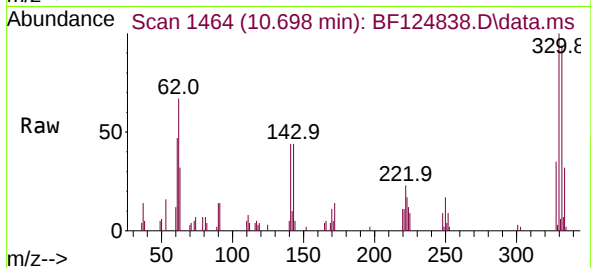




#42
2,4,6-Tribromophenol
Concen: 112.70 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

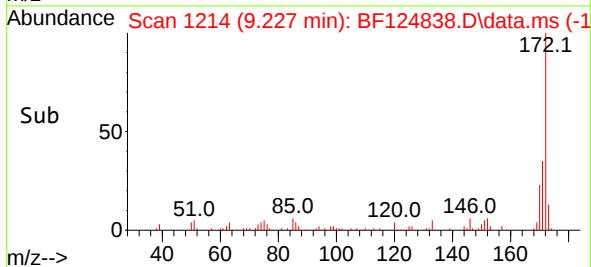
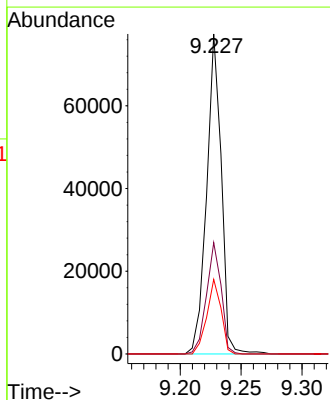
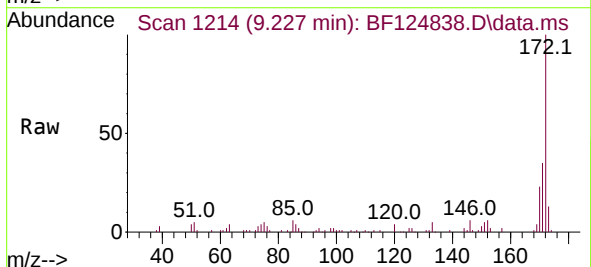
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ClientSampleId :
AREA-2-(0-7)

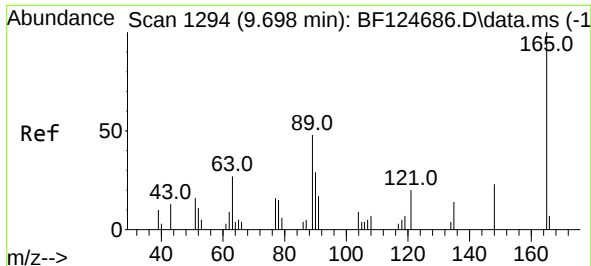
Tgt Ion: 330 Resp: 12513
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 45.5 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 73.49 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

Tgt Ion: 172 Resp: 64699
Ion Ratio Lower Upper
172 100
171 34.8 26.5 39.7
170 23.3 18.8 28.2

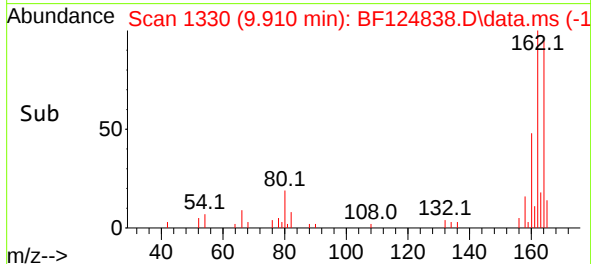
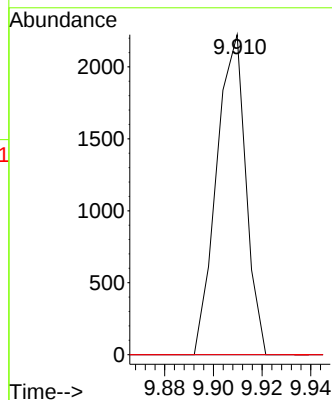
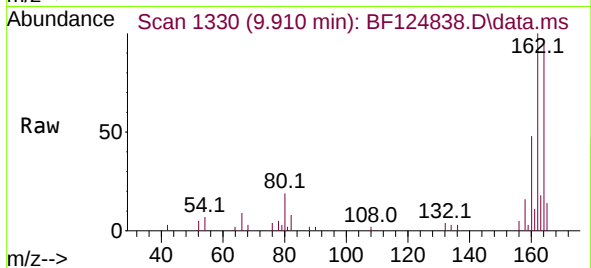




#51
2,6-Dinitrotoluene
Concen: 9.44 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

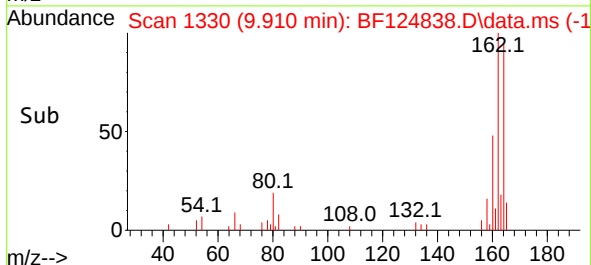
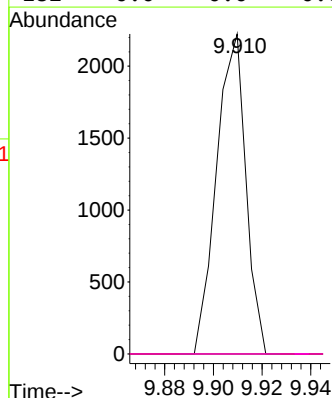
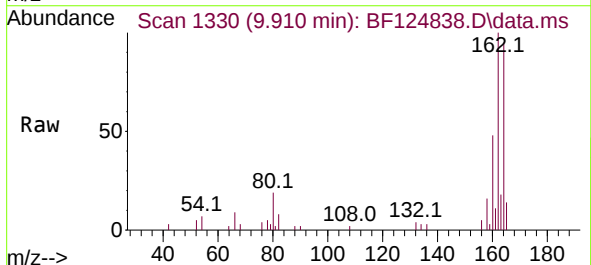
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BNA_F
ClientSampleId :
AREA-2-(0-7)

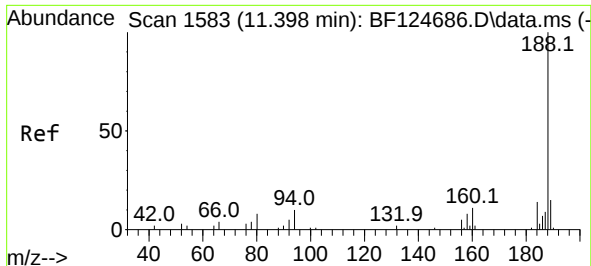
Tgt Ion:165 Resp: 1857
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 6.96 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

Tgt Ion:165 Resp: 1857
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

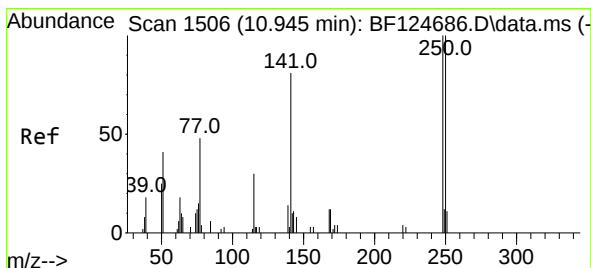
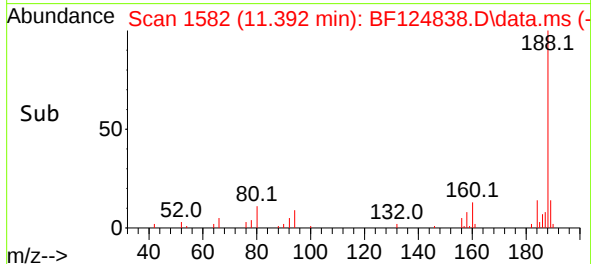
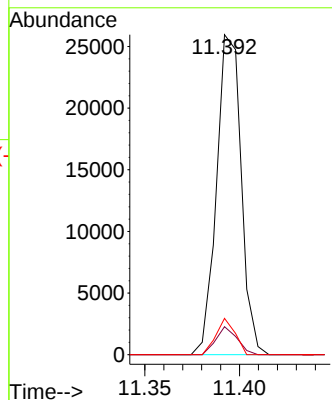
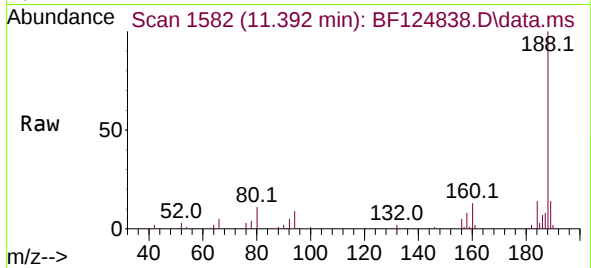




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

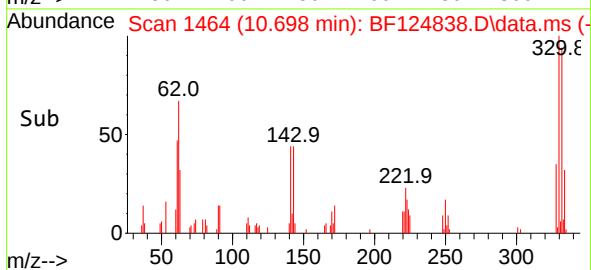
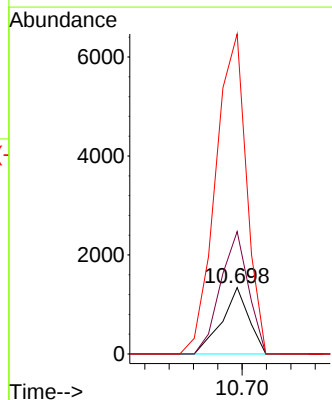
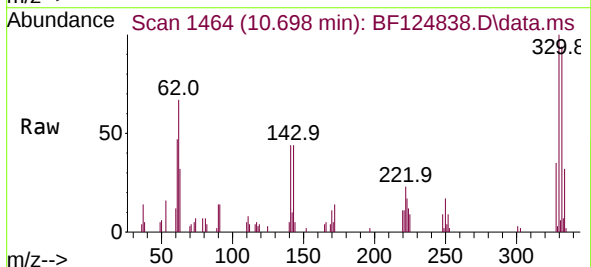
Instrument :
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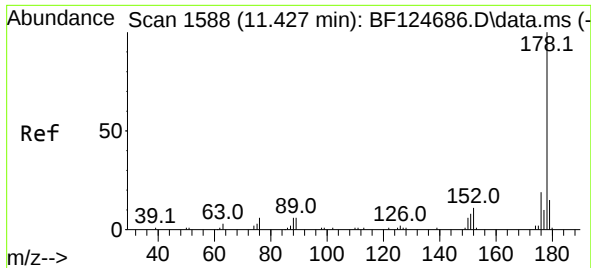
Tgt Ion:188 Resp: 23497
Ion Ratio Lower Upper
188 100
94 8.8 6.7 10.1
80 11.3 7.5 11.3#



#67
4-Bromophenyl-phenylether
Concen: 4.14 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

Tgt Ion:248 Resp: 1031
Ion Ratio Lower Upper
248 100
250 184.3 74.2 111.4#
141 481.8 60.4 90.6#

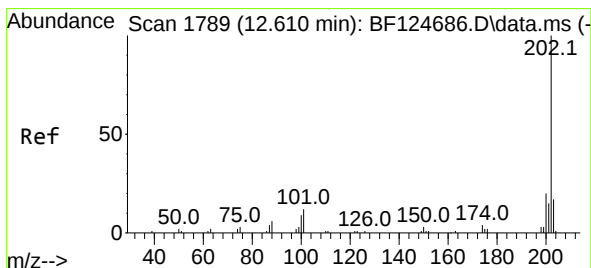
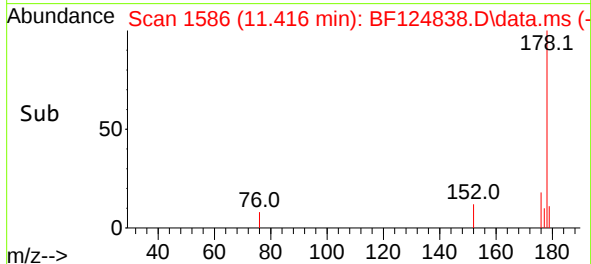
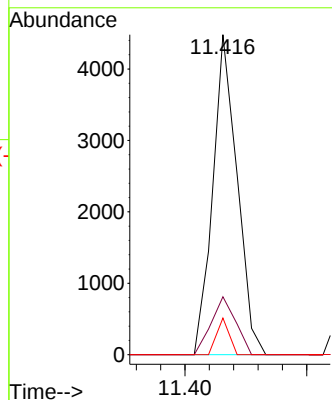
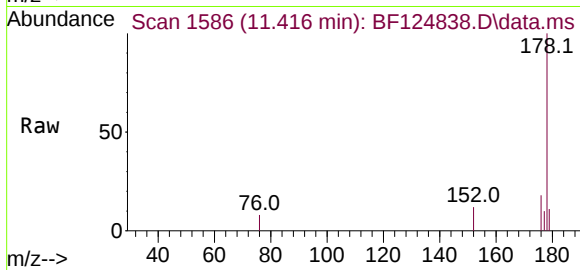




#71
Phenanthrene
Concen: 2.46 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

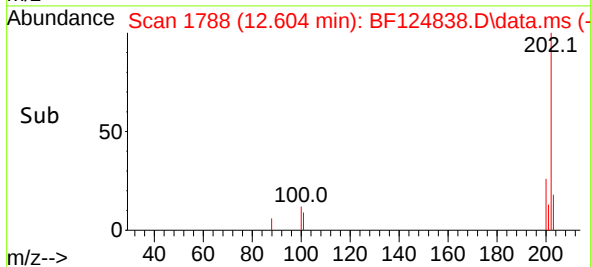
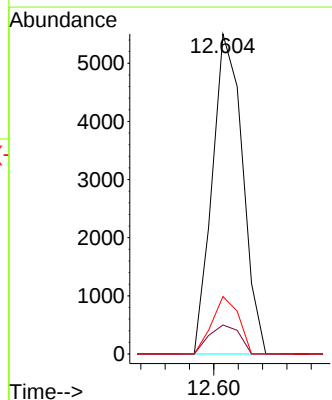
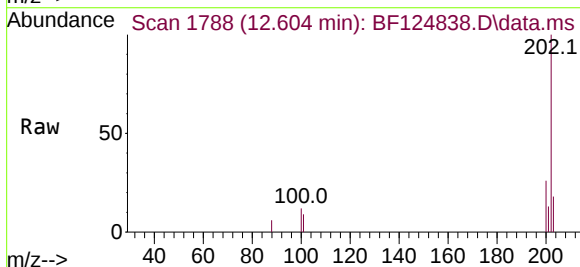
Instrument :
BNA_F
ClientSampleId :
AREA-2-(0-7)

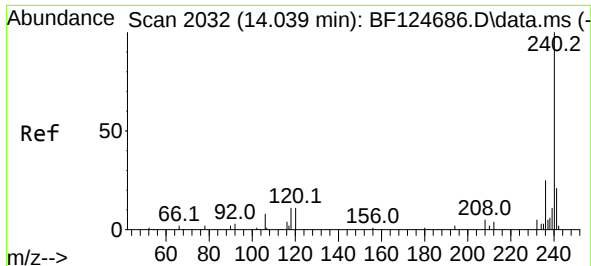
Tgt Ion:178 Resp: 3113
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 11.5 11.5 17.3#



#75
Fluoranthene
Concen: 3.69 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

Tgt Ion:202 Resp: 4756
Ion Ratio Lower Upper
202 100
101 9.0 0.0 30.7
203 18.0 0.0 36.3

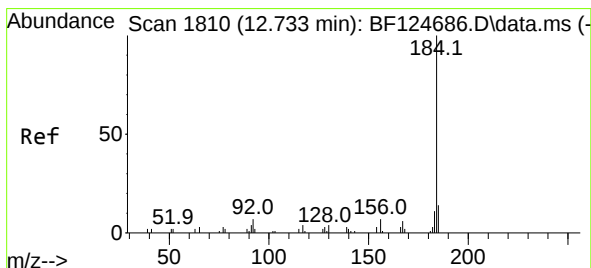
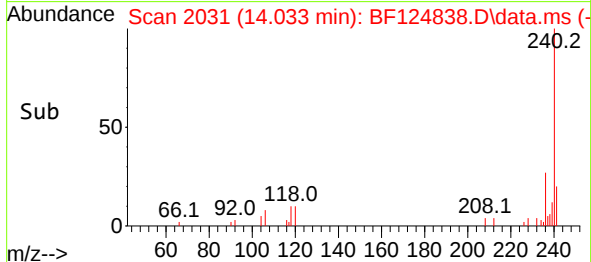
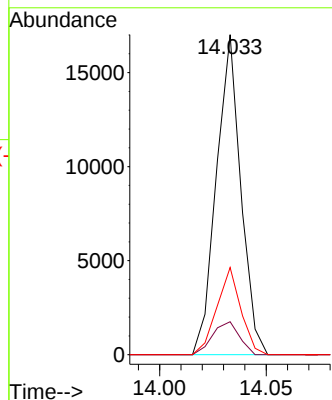
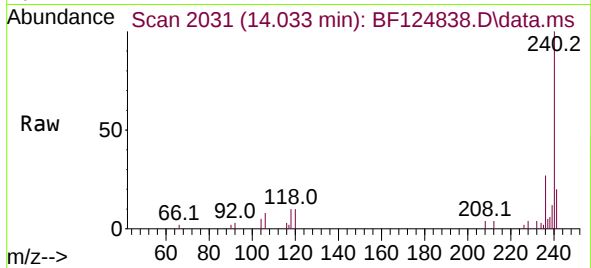




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

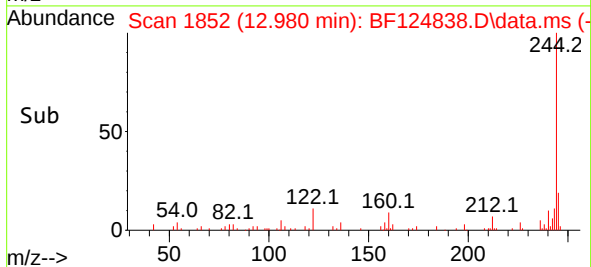
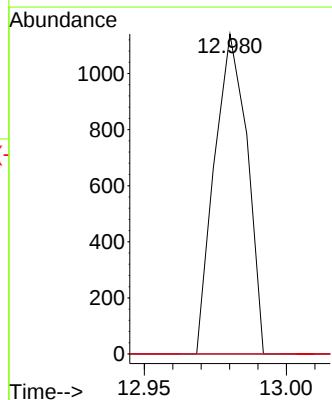
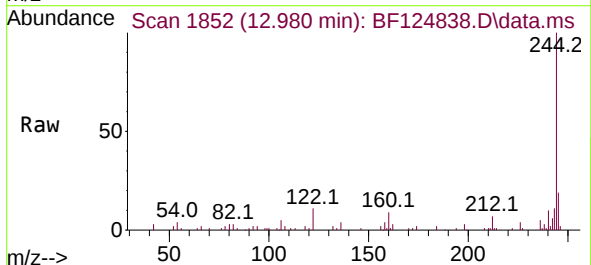
Instrument :
BNA_F
ClientSampleId :
AREA-2-(0-7)

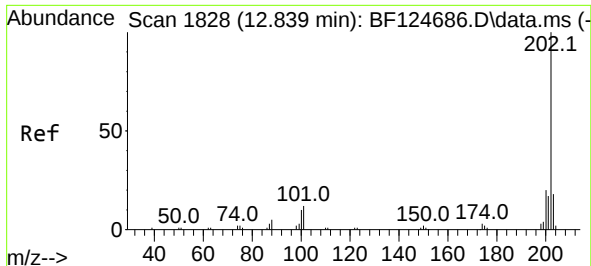
Tgt Ion:240 Resp: 13556
Ion Ratio Lower Upper
240 100
120 10.3 10.8 16.2#
236 27.2 21.6 32.4



#77
Benzidine
Concen: 2.39 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.247 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

Tgt Ion:184 Resp: 913
Ion Ratio Lower Upper
184 100
185 0.0 10.8 16.2#
183 0.0 8.1 12.1#

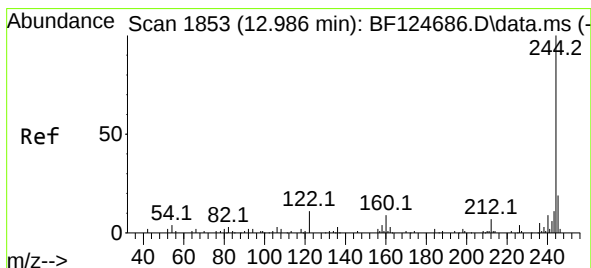
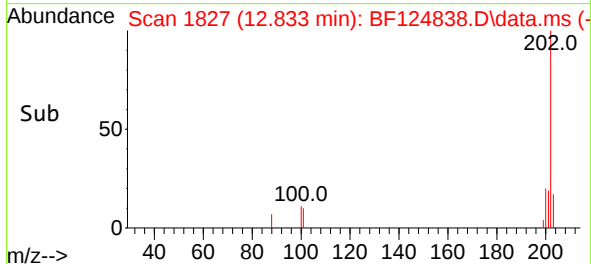
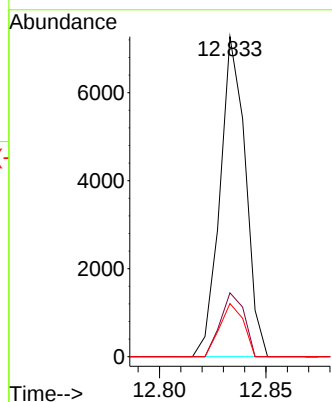
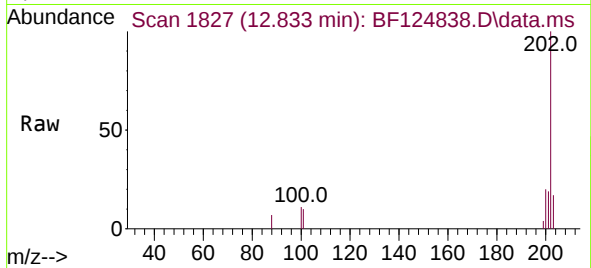




#78
Pyrene
Concen: 5.61 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

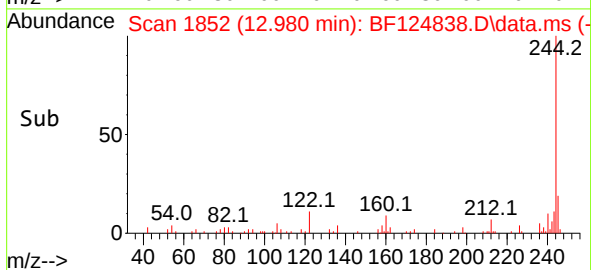
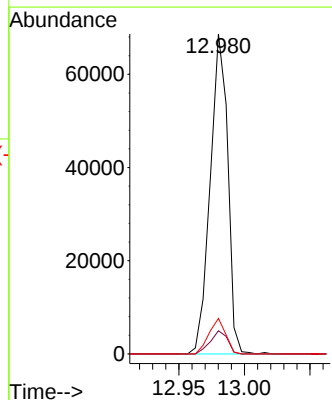
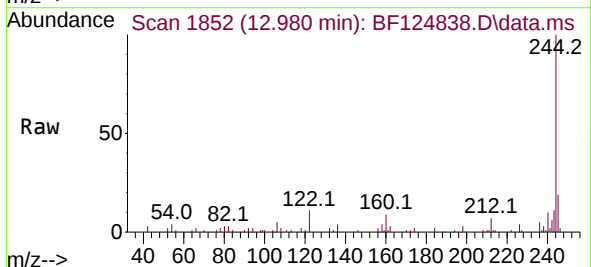
Instrument :
BNA_F
ClientSampleId :
AREA-2-(0-7)

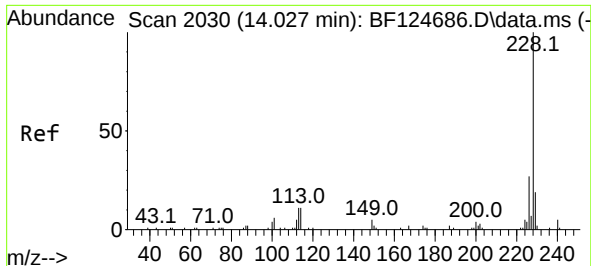
Tgt Ion:	202	Resp:	6024
Ion Ratio	Lower	Upper	
202	100		
200	20.0	15.3	22.9
203	16.6	13.4	20.0



#79
Terphenyl-d14
Concen: 80.89 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

Tgt Ion:	244	Resp:	63974
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.9	8.9
122	11.1	9.0	13.4

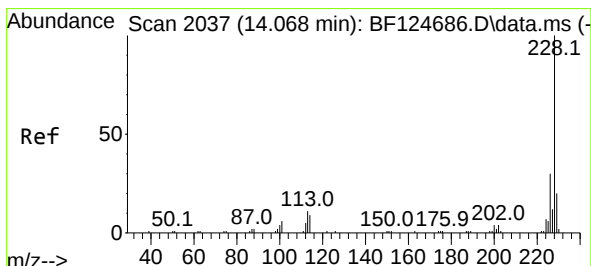
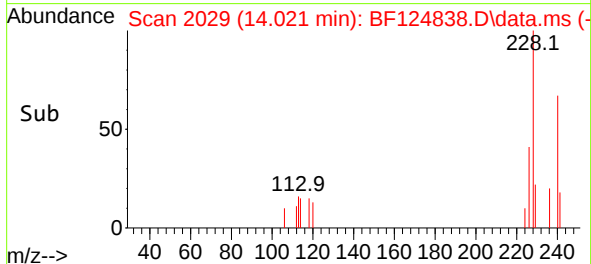
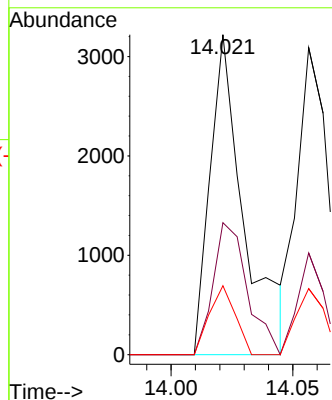
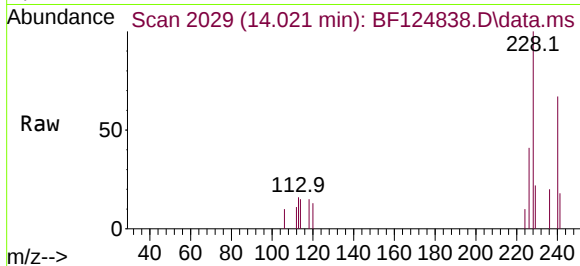




#81
Benzo(a)anthracene
Concen: 3.54 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

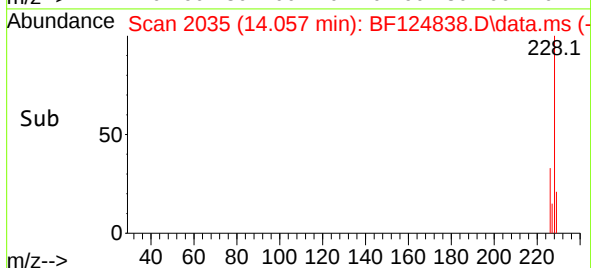
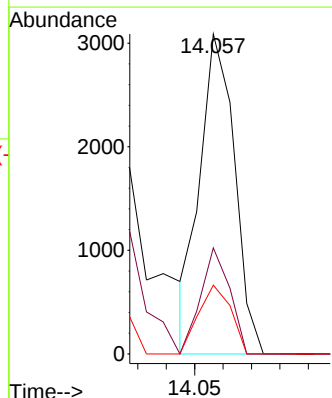
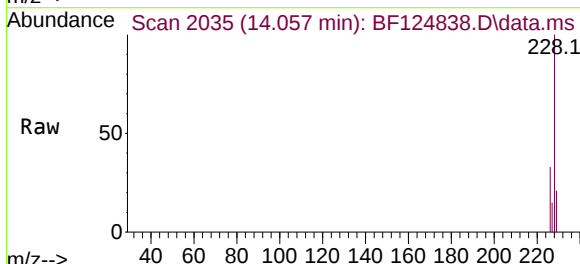
Instrument :
BNA_F
ClientSampleId :
AREA-2-(0-7)

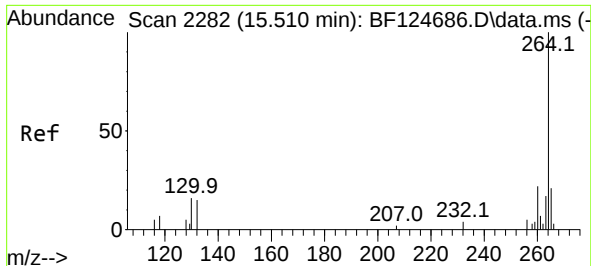
Tgt Ion:228 Resp: 3134
Ion Ratio Lower Upper
228 100
226 41.2 21.6 32.4#
229 21.5 15.6 23.4



#83
Chrysene
Concen: 3.05 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

Tgt Ion:228 Resp: 2604
Ion Ratio Lower Upper
228 100
226 33.1 22.6 34.0
229 21.5 15.9 23.9

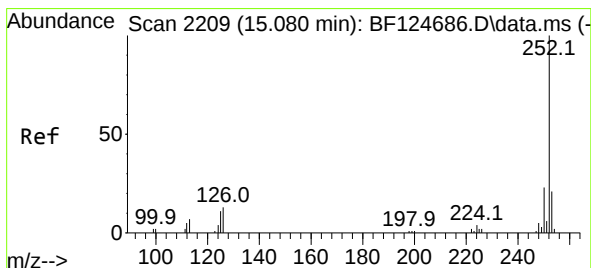
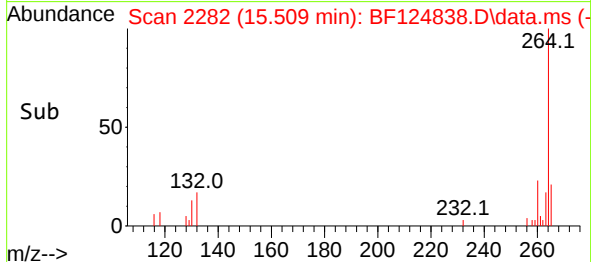
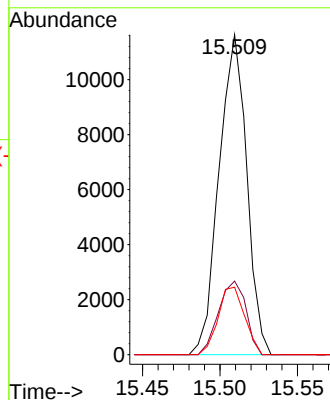
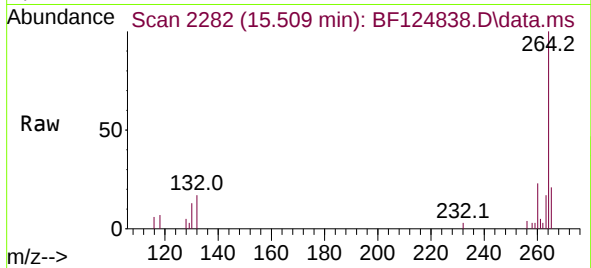




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.509 min Scan# 2282
 Delta R.T. -0.000 min
 Lab File: BF124838.D
 Acq: 28 Jul 2021 20:59

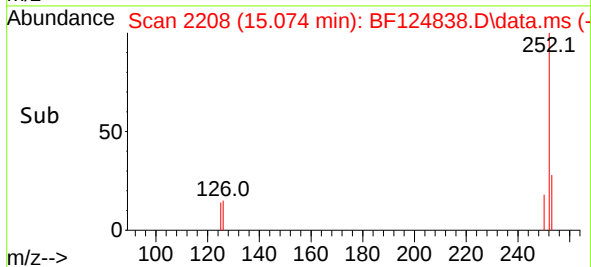
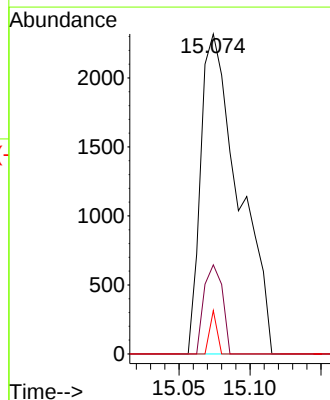
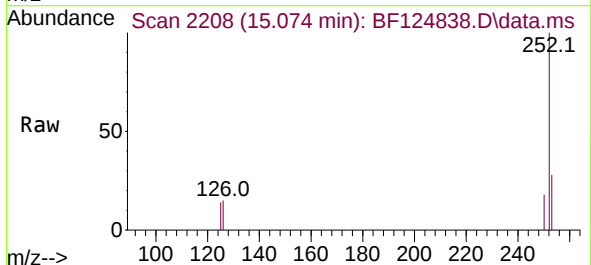
Instrument :
 BNA_F
 ClientSampleId :
 AREA-2-(0-7)

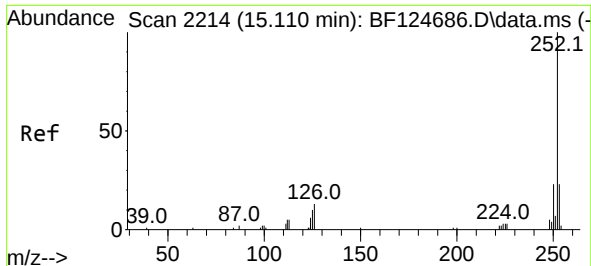
Tgt Ion:264	Resp:	14443
Ion Ratio	Lower	Upper
264	100	
260	23.0	19.6 29.4
265	21.1	17.2 25.8



#88
 Benzo(b)fluoranthene
 Concen: 4.26 ng
 RT: 15.074 min Scan# 2208
 Delta R.T. -0.006 min
 Lab File: BF124838.D
 Acq: 28 Jul 2021 20:59

Tgt Ion:252	Resp:	4327
Ion Ratio	Lower	Upper
252	100	
253	27.9	16.8 25.2#
125	13.5	9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 4.66 ng

RT: 15.074 min Scan# 2208

Delta R.T. -0.035 min

Lab File: BF124838.D

Acq: 28 Jul 2021 20:59

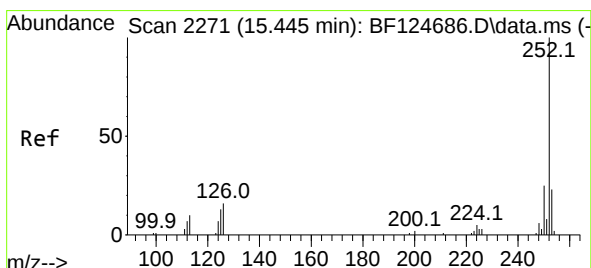
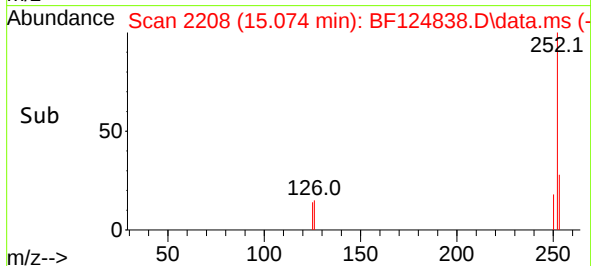
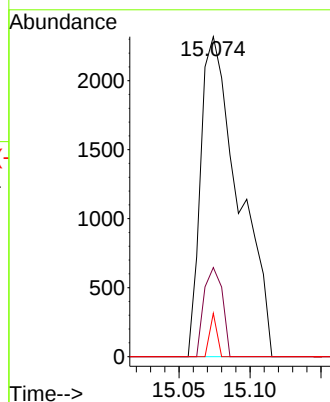
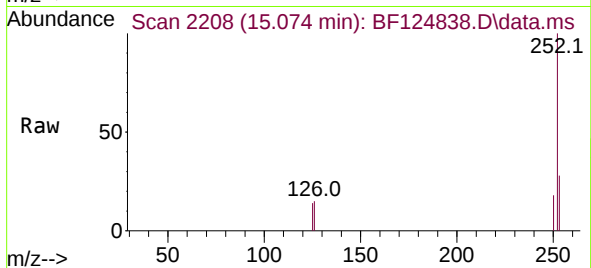
Tgt Ion:252	Resp:	4327
Ion Ratio	Lower	Upper
252	100	
253	27.9	17.8 26.8#
125	13.5	7.2 10.8#

Instrument :

BNA_F

ClientSampleId :

AREA-2-(0-7)



#90

Benzo(a)pyrene

Concen: 3.47 ng

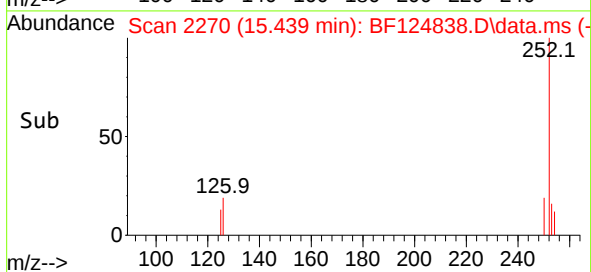
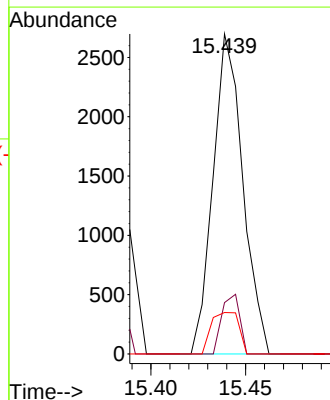
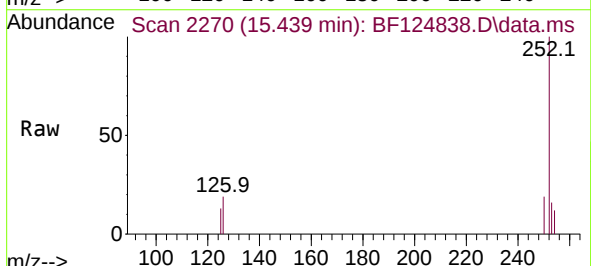
RT: 15.439 min Scan# 2270

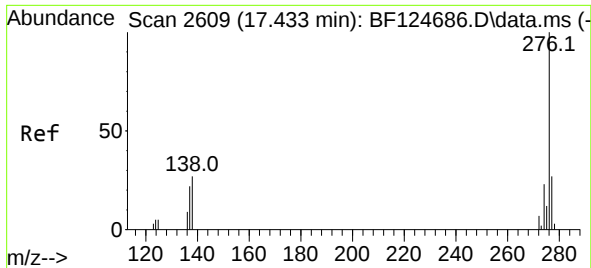
Delta R.T. -0.006 min

Lab File: BF124838.D

Acq: 28 Jul 2021 20:59

Tgt Ion:252	Resp:	2949
Ion Ratio	Lower	Upper
252	100	
253	16.0	18.4 27.6#
125	13.0	9.9 14.9





#92
Benzo(g,h,i)perylene
Concen: 2.55 ng
RT: 17.421 min Scan# 2607
Delta R.T. -0.012 min
Lab File: BF124838.D
Acq: 28 Jul 2021 20:59

Instrument :
BNA_F
ClientSampleId :
AREA-2-(0-7)

Tgt Ion:276 Resp: 1762
Ion Ratio Lower Upper
276 100
277 34.9 22.0 33.0#
138 0.0 22.2 33.4#

