

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052621\
 Data File : BF124066.D
 Acq On : 26 May 2021 15:43
 Operator : JU/CG
 Sample : M2517-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 METRO-SP

Quant Time: May 26 16:07:29 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

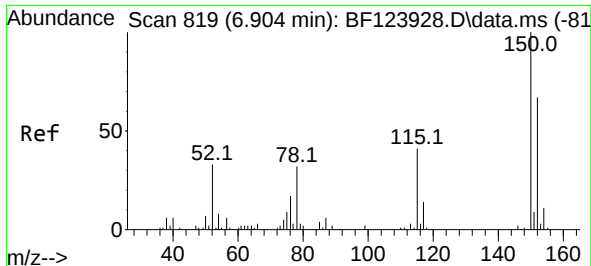
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	52527	20.00	ng	-0.01
21) Naphthalene-d8	8.175	136	203045	20.00	ng	-0.01
39) Acenaphthene-d10	9.933	164	117423	20.00	ng	-0.01
64) Phenanthrene-d10	11.422	188	214355	20.00	ng	0.00
76) Chrysene-d12	14.063	240	117367	20.00	ng	0.00
86) Perylene-d12	15.557	264	120097	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	268253	71.70	ng	0.00
7) Phenol-d6	6.516	99	354256	73.00	ng	0.00
23) Nitrobenzene-d5	7.451	82	274047	58.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	132079	93.65	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	518107	54.30	ng	-0.01
79) Terphenyl-d14	13.010	244	511008	65.94	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	39689	12.10	ng	# 70
25) Isophorone	7.451	82	274043	30.23	ng	# 69
50) Dimethylphthalate	9.639	163	28890	3.08	ng	# 92
51) 2,6-Dinitrotoluene	9.933	165	14943	7.88	ng	# 13
57) 2,4-Dinitrotoluene	9.933	165	14943	6.43	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.716	198	611	5.83	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	8618	3.06	ng	# 1
75) Fluoranthene	12.633	202	52669	3.74	ng	98
77) Benzidine	13.010	184	8227	2.91	ng	# 94
78) Pyrene	12.863	202	47060	4.52	ng	100
81) Benzo(a)anthracene	14.051	228	20715	2.44	ng	95
83) Chrysene	14.086	228	21803	2.67	ng	93
88) Benzo(b)fluoranthene	15.121	252	42376	4.56	ng	# 87
89) Benzo(k)fluoranthene	15.121	252	42376	5.01	ng	# 87
90) Benzo(a)pyrene	15.492	252	19377	2.41	ng	# 90

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

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QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration

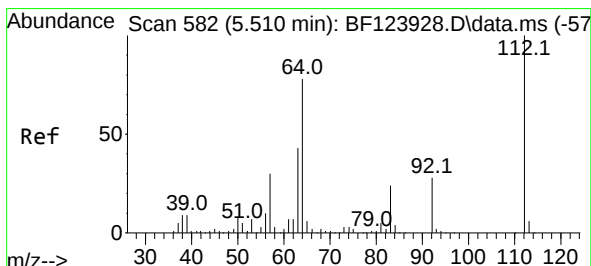
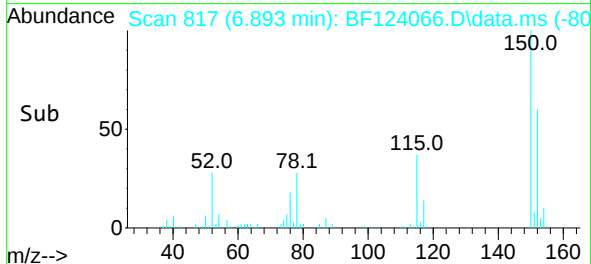
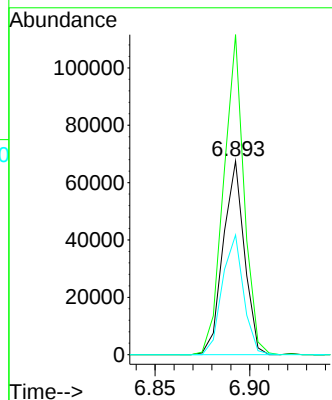
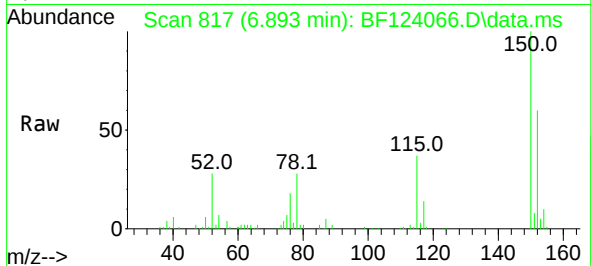




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.893 min Scan# 817
Delta R.T. -0.011 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

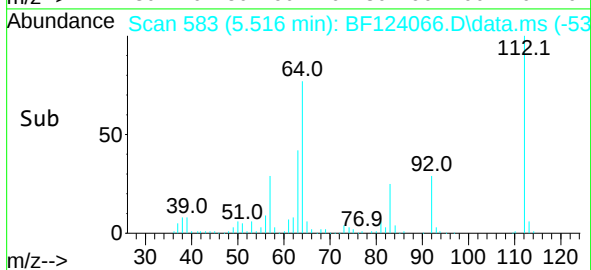
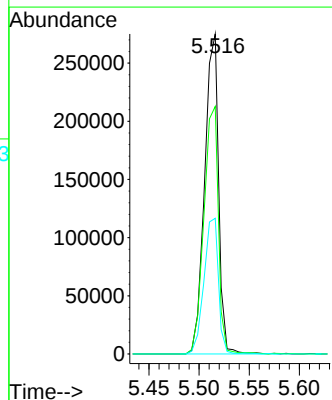
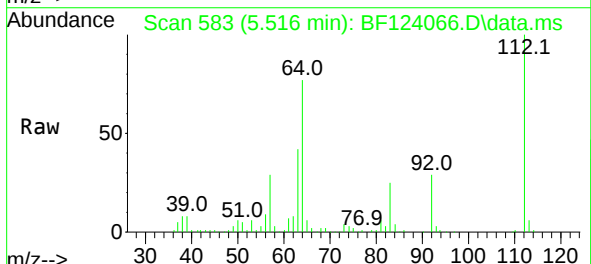
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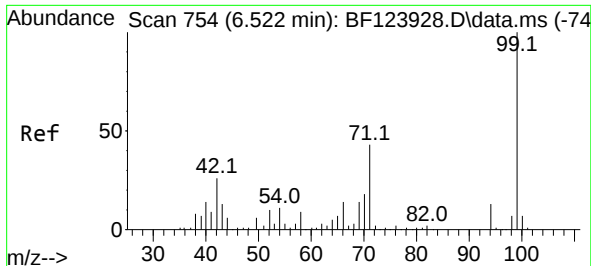
Tgt Ion:152 Resp: 52527
Ion Ratio Lower Upper
152 100
150 165.3 127.0 190.6
115 61.9 54.3 81.5



#5
2-Fluorophenol
Concen: 71.70 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

Tgt Ion:112 Resp: 268253
Ion Ratio Lower Upper
112 100
64 77.3 61.4 92.0
63 42.4 33.0 49.4

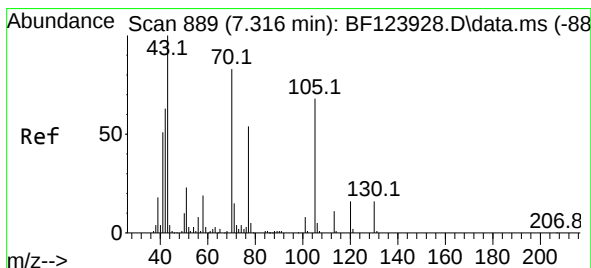
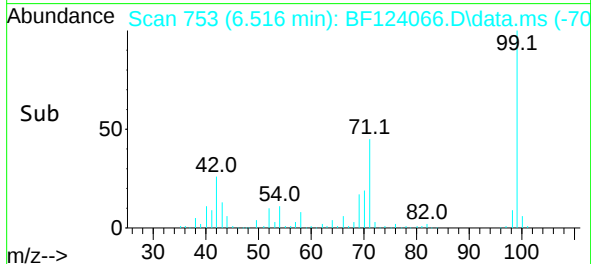
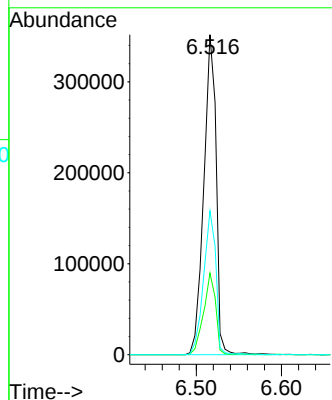
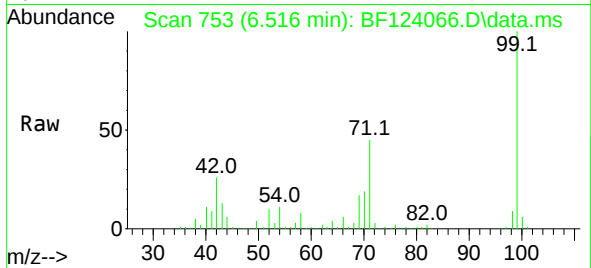




#7
Phenol-d6
Concen: 73.00 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

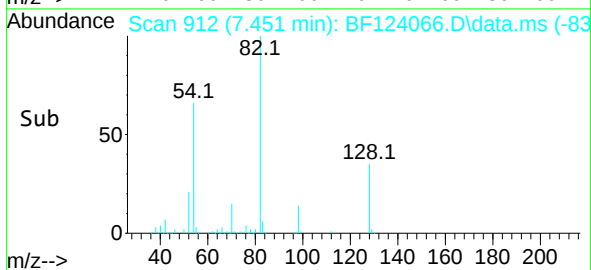
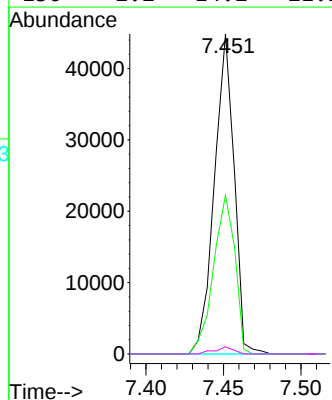
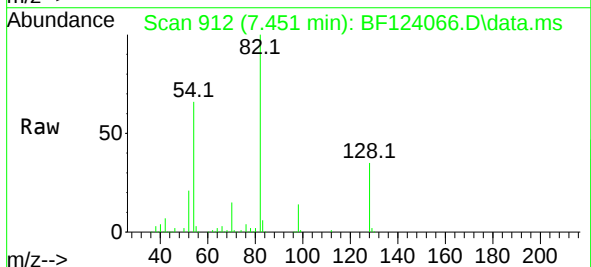
Instrument :
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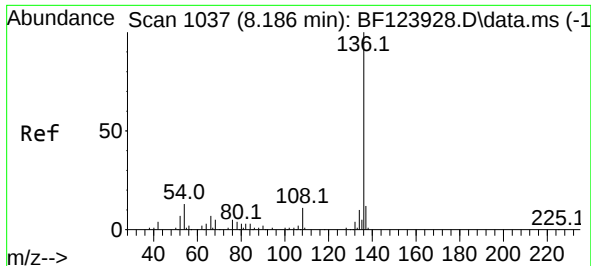
Tgt Ion: 99 Resp: 354256
Ion Ratio Lower Upper
99 100
42 25.5 19.8 29.8
71 44.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.10 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.135 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

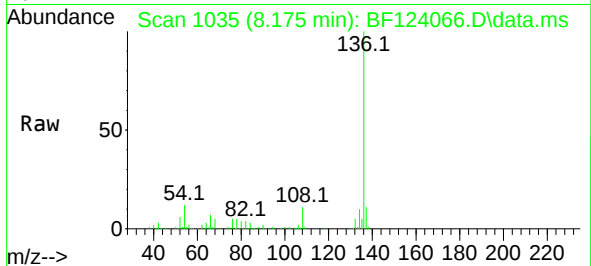
Tgt Ion: 70 Resp: 39689
Ion Ratio Lower Upper
70 100
42 49.6 60.1 90.1#
101 0.0 7.4 11.2#
130 2.2 14.2 21.2#



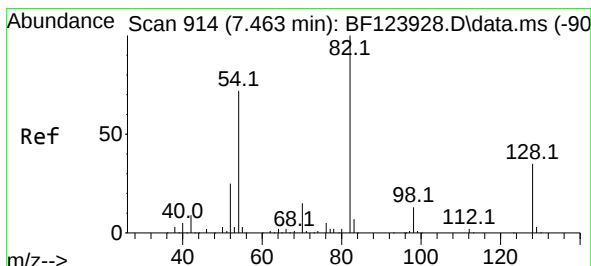
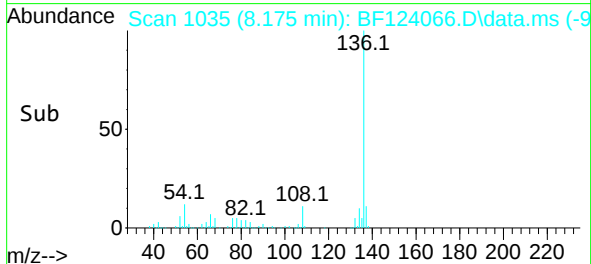
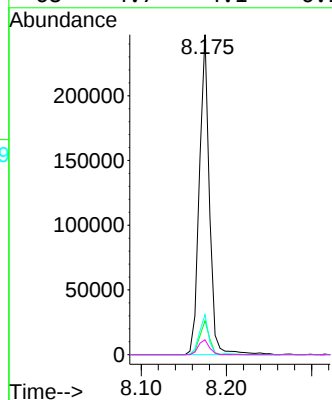


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.011 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

Instrument :
BNA_F
ClientSampleId :
METRO-SP

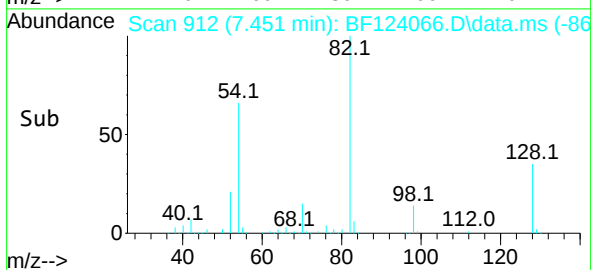
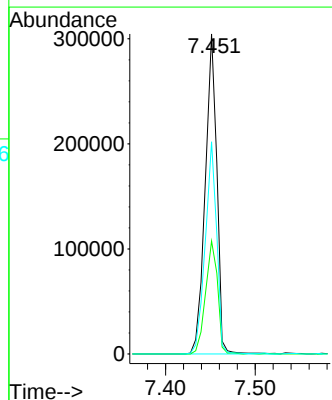
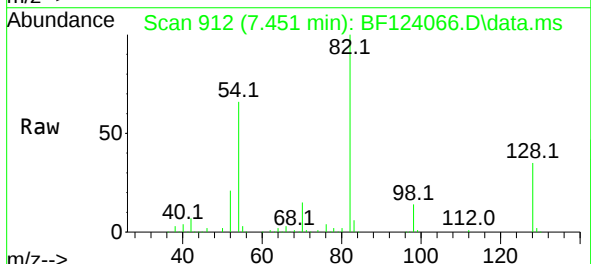


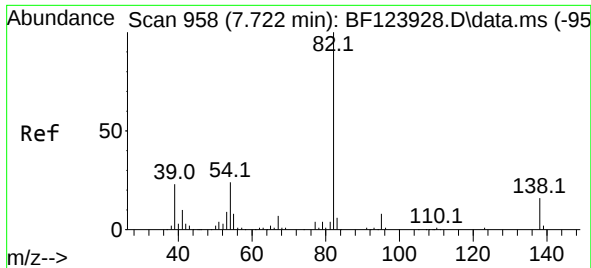
Tgt Ion:	136	Resp:	203045
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	12.5	9.8	14.6
68	4.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 58.15 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

Tgt Ion:	82	Resp:	274047
Ion	Ratio	Lower	Upper
82	100		
128	35.3	29.4	44.2
54	66.3	54.1	81.1

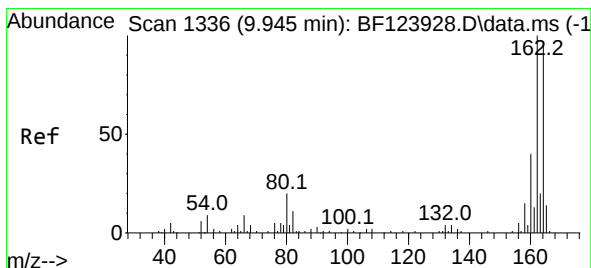
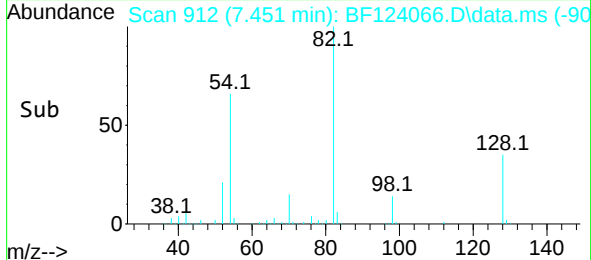
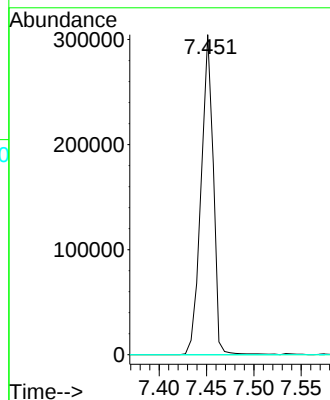
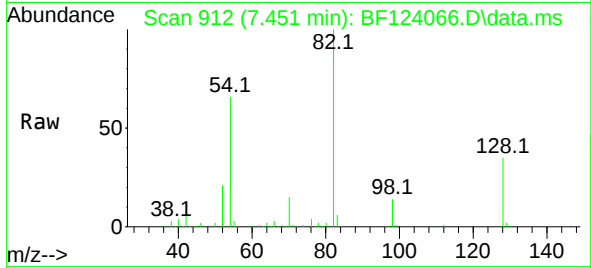




#25
Isophorone
Concen: 30.23 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.270 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

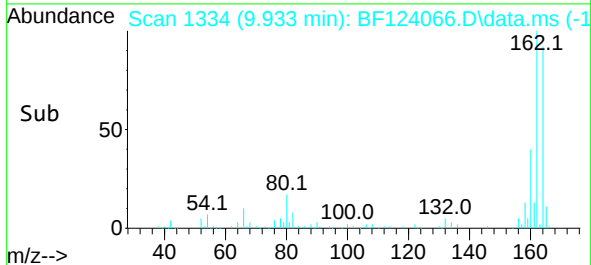
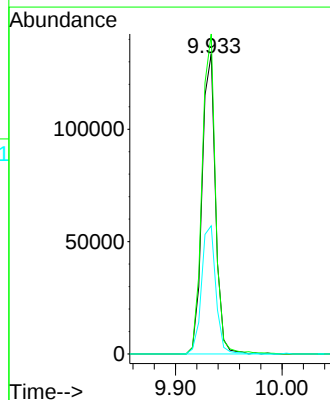
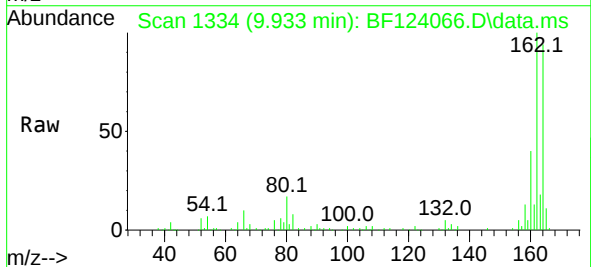
Instrument :
BNA_F
ClientSampleId :
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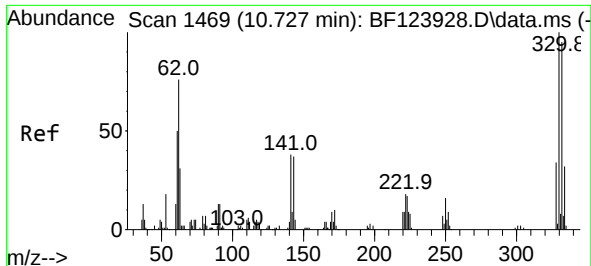
Tgt Ion: 82 Resp: 274043
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

Tgt Ion: 164 Resp: 117423
Ion Ratio Lower Upper
164 100
162 106.7 80.7 121.1
160 42.7 37.3 55.9

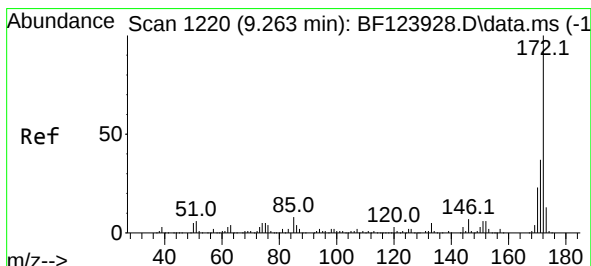
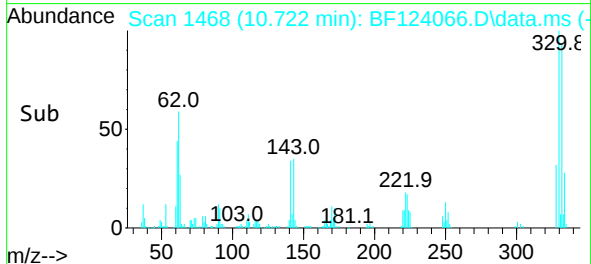
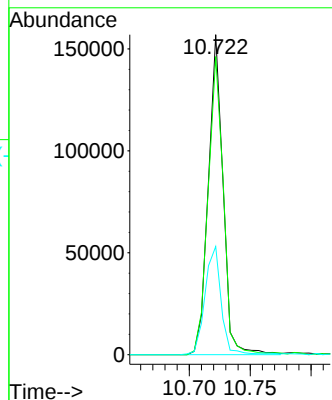
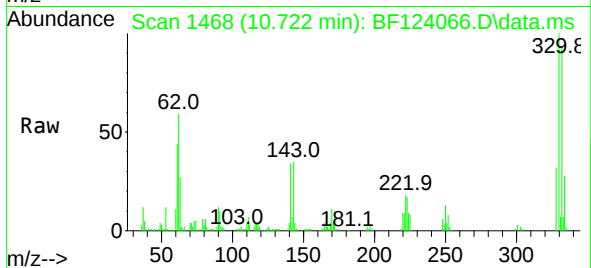




#42
2,4,6-Tribromophenol
Concen: 93.65 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

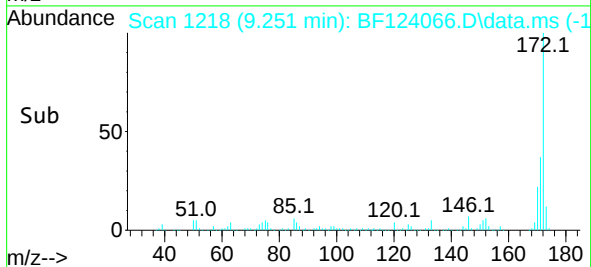
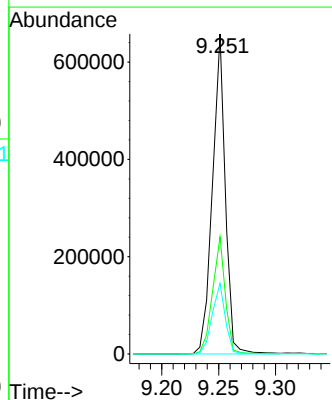
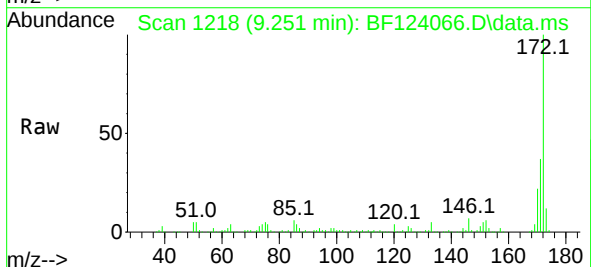
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BNA_F
ClientSampleId :
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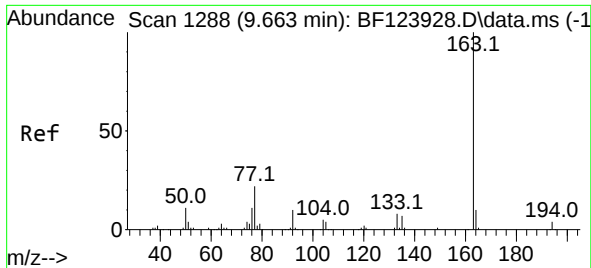
Tgt Ion:330 Resp: 132079
Ion Ratio Lower Upper
330 100
332 97.0 77.1 115.7
141 37.7 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 54.30 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

Tgt Ion:172 Resp: 518107
Ion Ratio Lower Upper
172 100
171 36.7 28.1 42.1
170 22.1 19.2 28.8

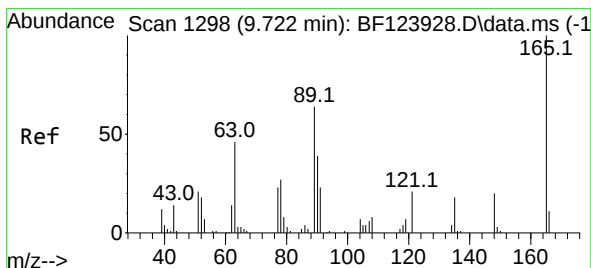
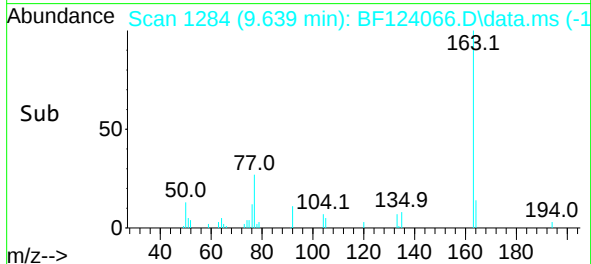
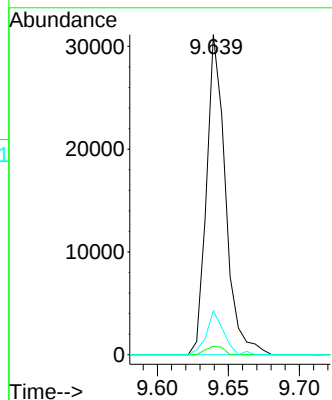
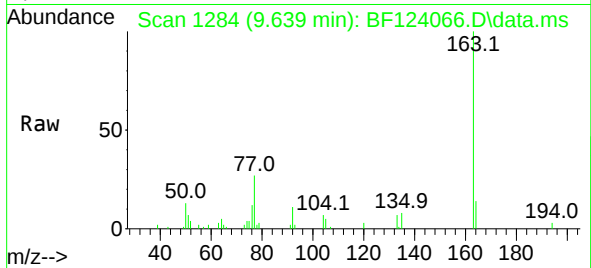




#50
Dimethylphthalate
Concen: 3.08 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

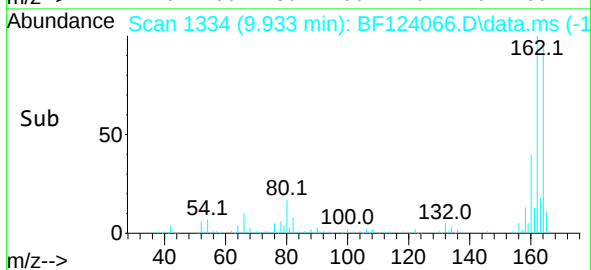
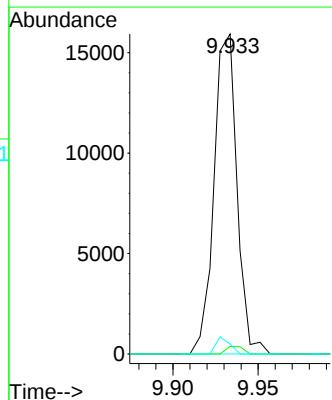
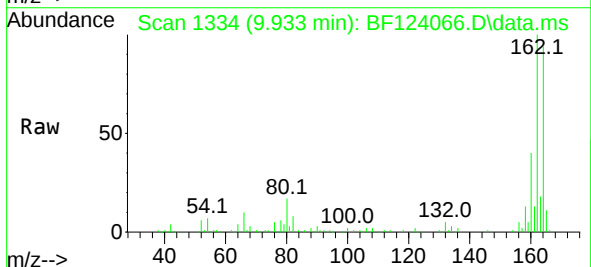
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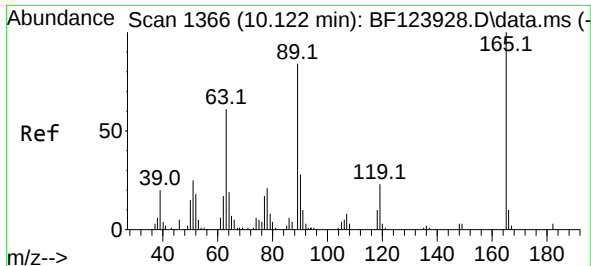
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Ion Ratio Lower Upper
163 100
194 2.6 3.1 4.7#
164 13.7 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 7.88 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.212 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

Tgt Ion:165 Resp: 14943
Ion Ratio Lower Upper
165 100
63 2.4 67.7 101.5#
89 3.1 58.8 88.2#

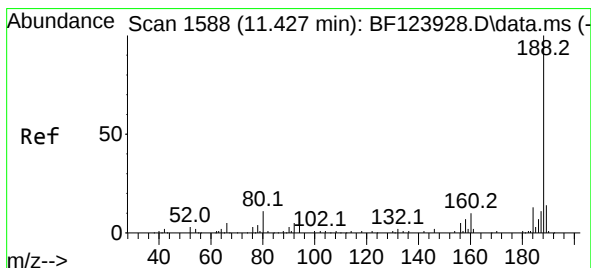
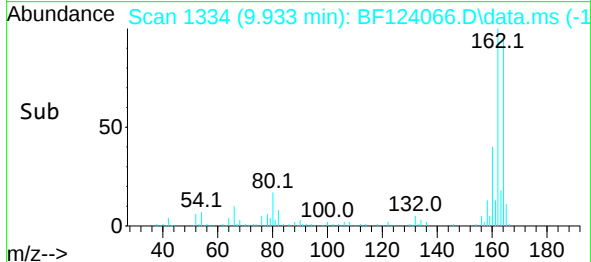
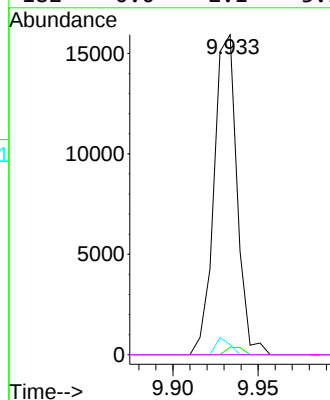
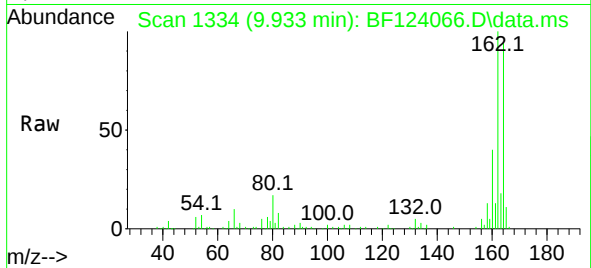




#57
2,4-Dinitrotoluene
Concen: 6.43 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

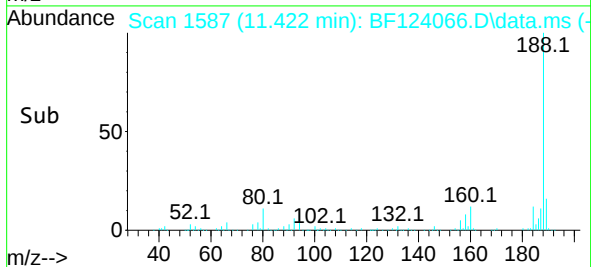
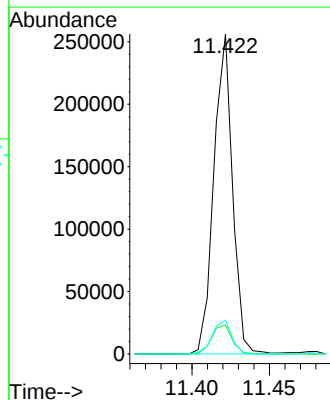
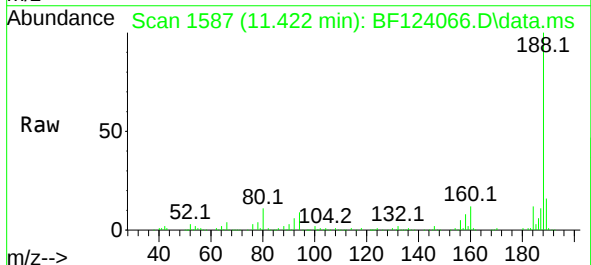
Instrument :
BNA_F
ClientSampleId :
METRO-SP

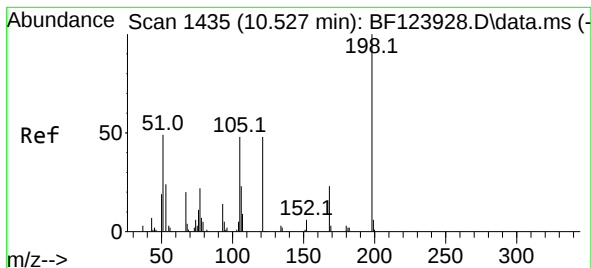
Tgt Ion:165	Resp:	14943
Ion Ratio	Lower	Upper
165	100	
63	2.4	43.5 65.3#
89	3.1	67.7 101.5#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.005 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

Tgt Ion:188	Resp:	214355
Ion Ratio	Lower	Upper
188	100	
94	9.0	6.9 10.3
80	10.6	8.2 12.2

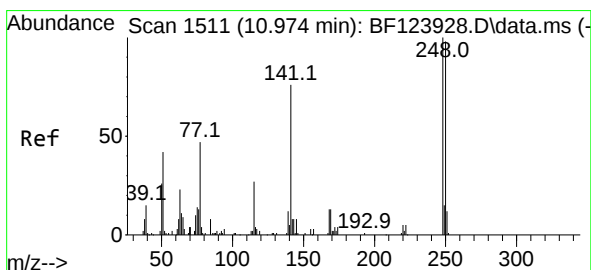
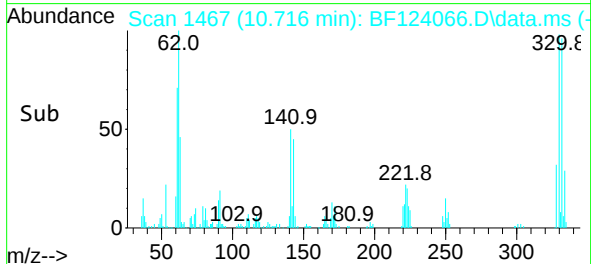
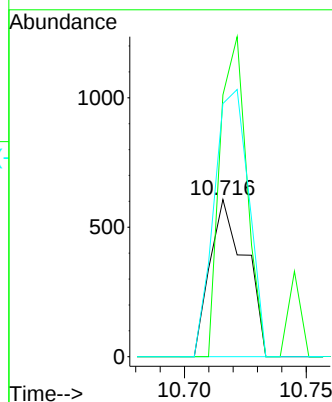
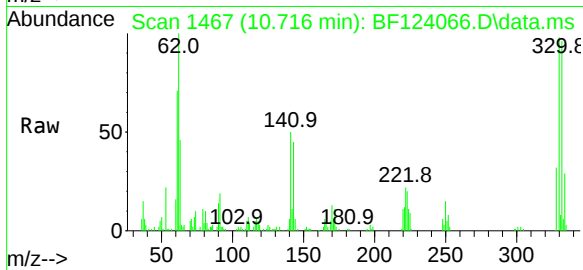




#65
4,6-Dinitro-2-methylphenol
Concen: 5.83 ng
RT: 10.716 min Scan# 1467
Delta R.T. 0.189 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

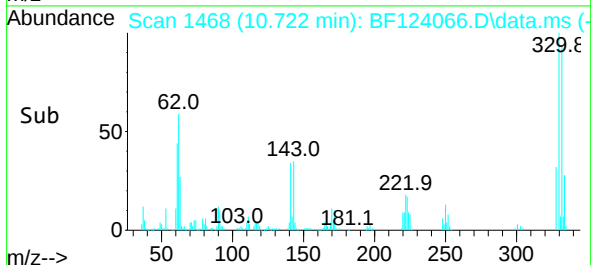
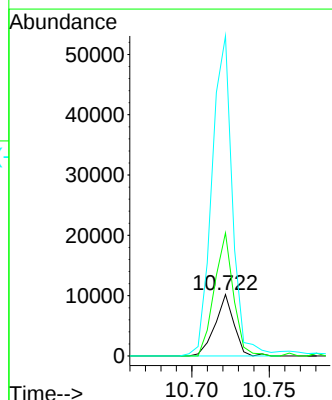
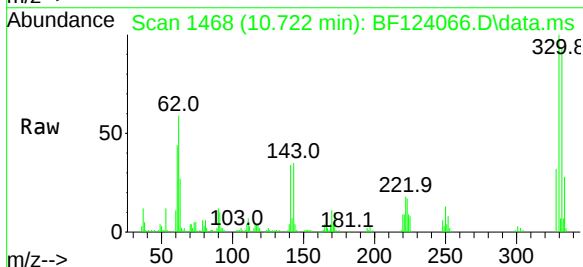
Instrument :
BNA_F
ClientSampleId :
METRO-SP

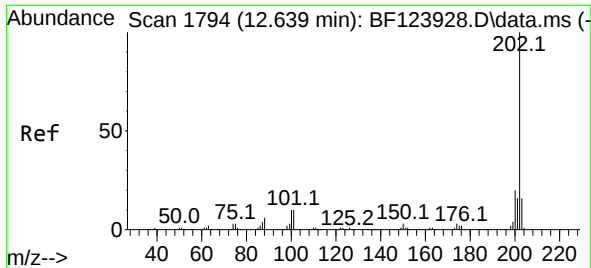
Tgt Ion:198 Resp: 611
Ion Ratio Lower Upper
198 100
51 166.6 64.8 104.8#
105 161.1 42.6 82.6#



#67
4-Bromophenyl-phenylether
Concen: 3.06 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.253 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

Tgt Ion:248 Resp: 8618
Ion Ratio Lower Upper
248 100
250 200.0 77.4 116.2#
141 520.4 63.7 95.5#

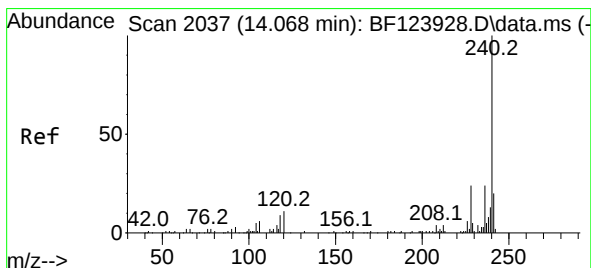
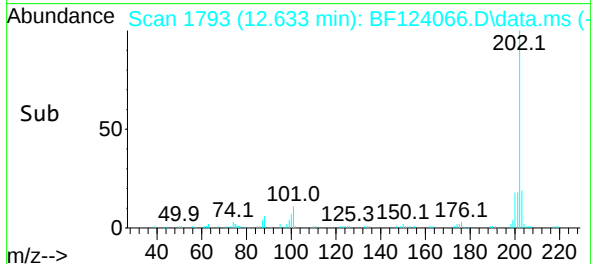
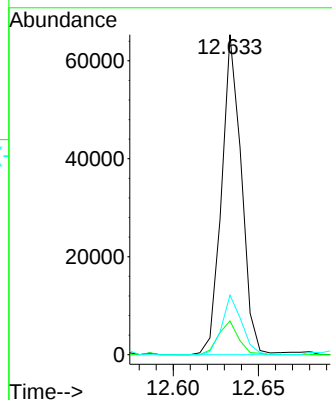
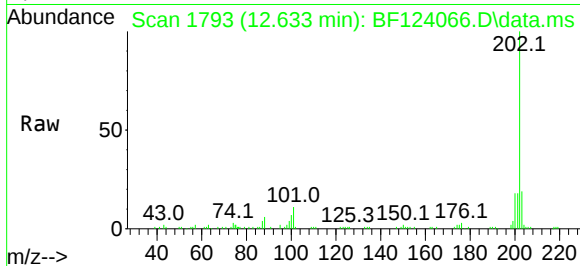




#75
Fluoranthene
Concen: 3.74 ng
RT: 12.633 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

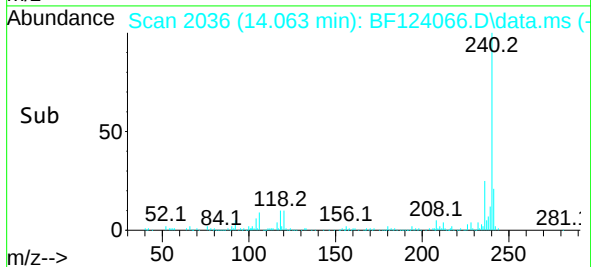
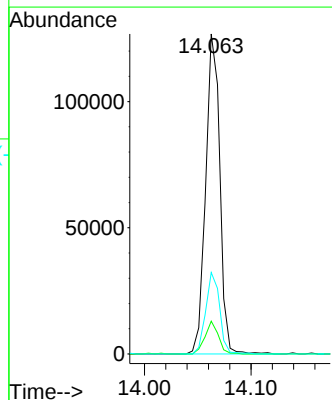
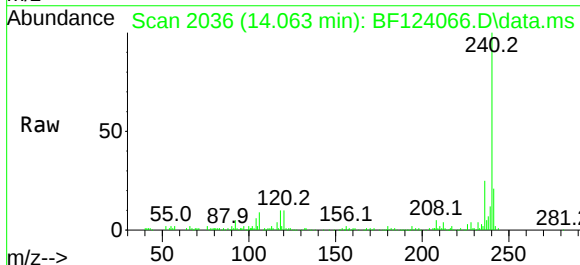
Instrument :
BNA_F
ClientSampleId :
METRO-SP

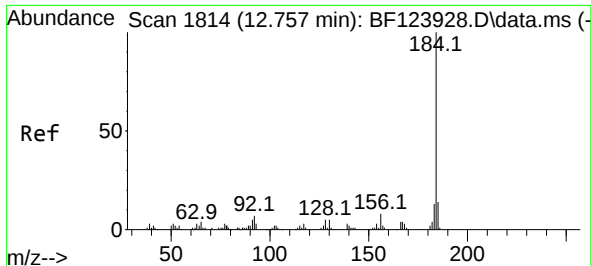
Tgt Ion:202	Resp:	52669
Ion Ratio	Lower	Upper
202	100	
101	10.6	0.0 30.9
203	18.6	0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

Tgt Ion:240	Resp:	117367
Ion Ratio	Lower	Upper
240	100	
120	10.3	7.2 10.8
236	25.5	19.0 28.4

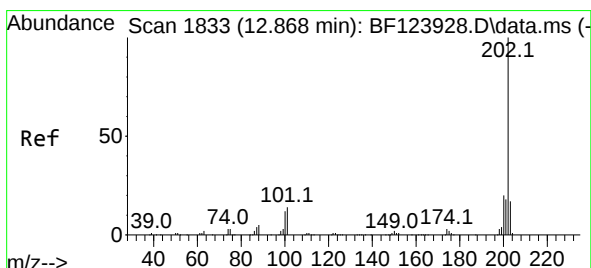
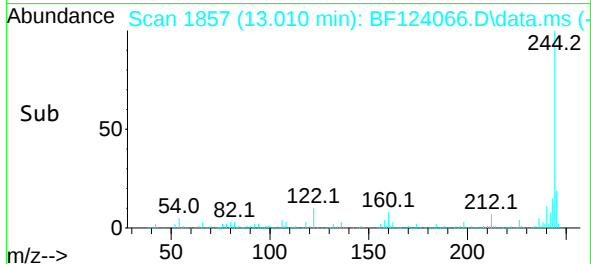
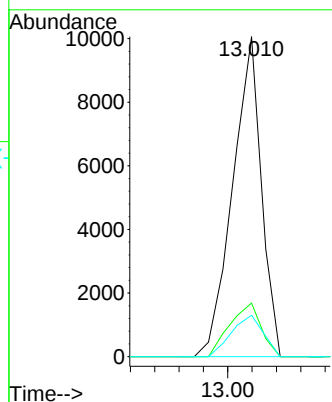
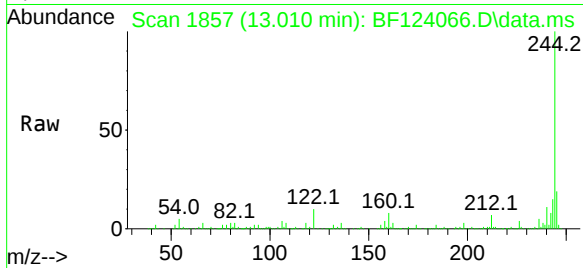




#77
Benzidine
Concen: 2.91 ng
RT: 13.010 min Scan# 1857
Delta R.T. 0.253 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

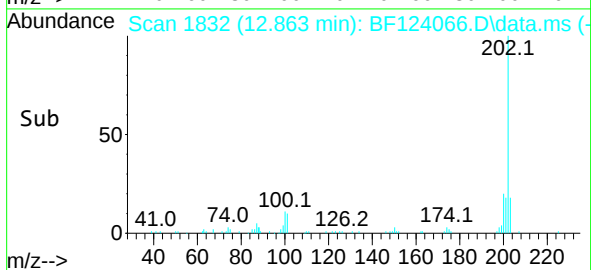
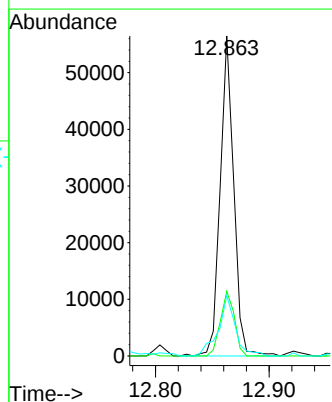
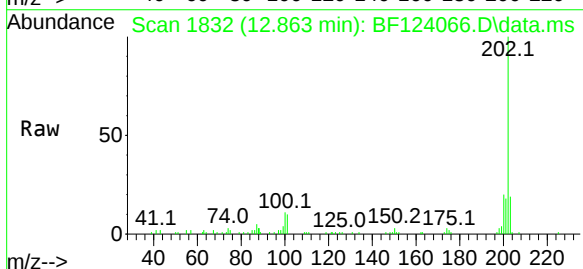
Instrument :
BNA_F
ClientSampleId :
METRO-SP

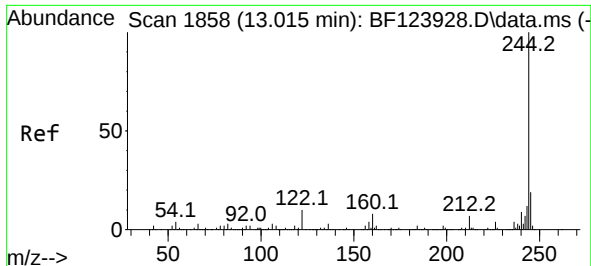
Tgt Ion:184 Resp: 8227
Ion Ratio Lower Upper
184 100
185 16.7 12.1 18.1
183 12.9 7.8 11.8#



#78
Pyrene
Concen: 4.52 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.006 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

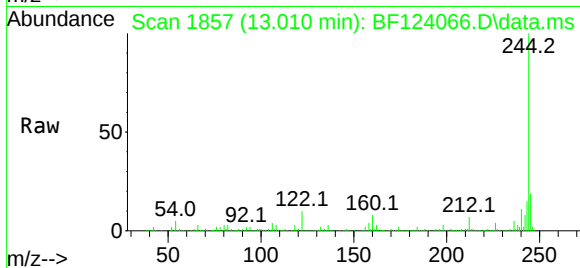
Tgt Ion:202 Resp: 47060
Ion Ratio Lower Upper
202 100
200 20.2 16.1 24.1
203 18.8 14.8 22.2



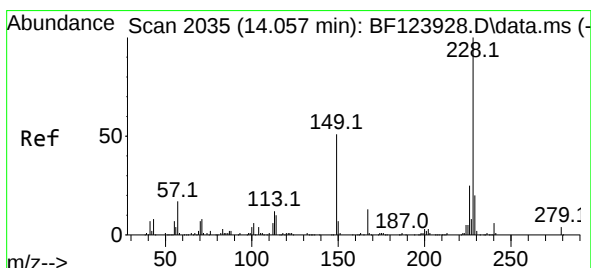
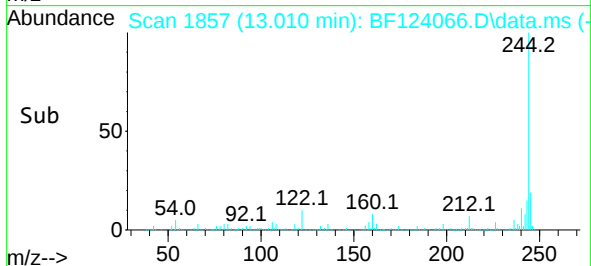
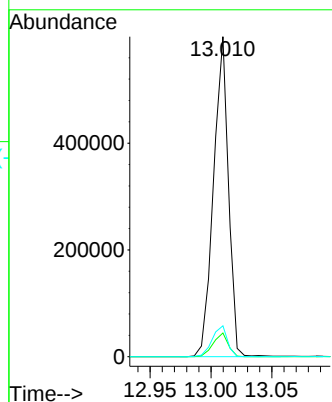


#79
Terphenyl-d14
Concen: 65.94 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

Instrument :
BNA_F
ClientSampleId :
METRO-SP

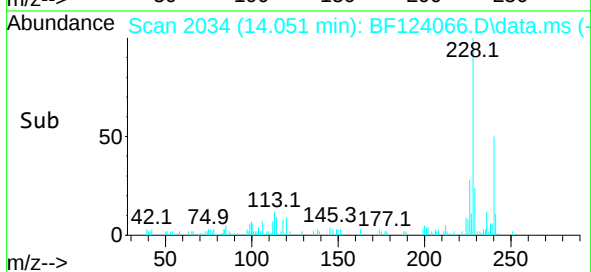
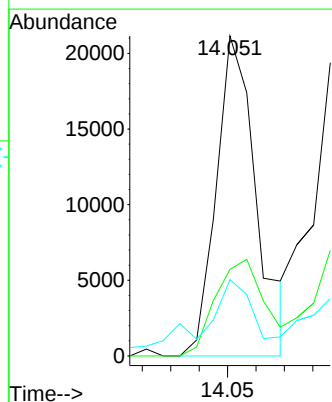
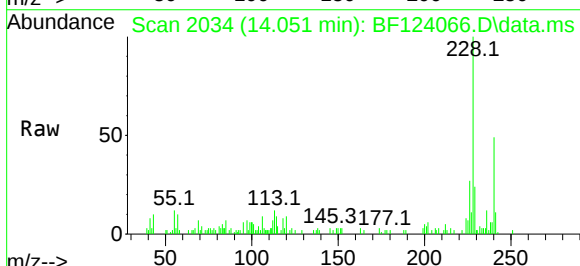


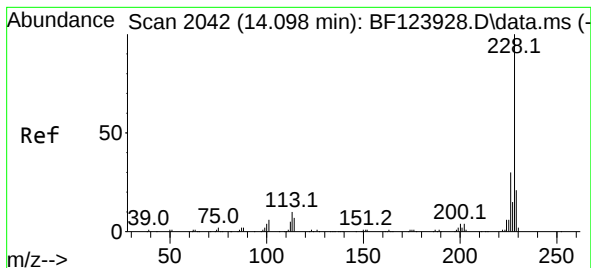
Tgt Ion:244 Resp: 511008
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 9.7 9.7 14.5#



#81
Benzo(a)anthracene
Concen: 2.44 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

Tgt Ion:228 Resp: 20715
Ion Ratio Lower Upper
228 100
226 27.0 22.4 33.6
229 23.9 16.0 24.0





#83

Chrysene

Concen: 2.67 ng

RT: 14.086 min Scan# 2040

Delta R.T. -0.012 min

Lab File: BF124066.D

Acq: 26 May 2021 15:43

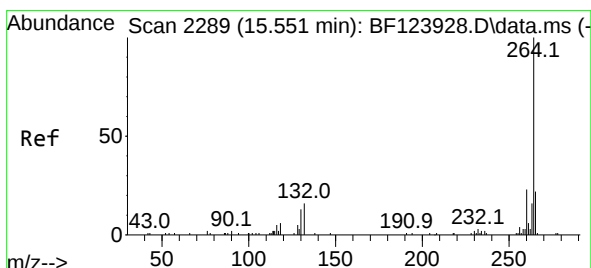
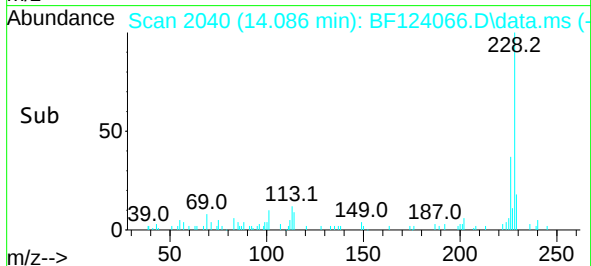
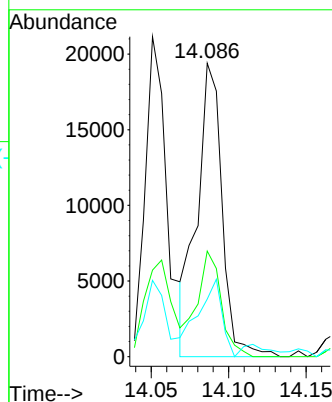
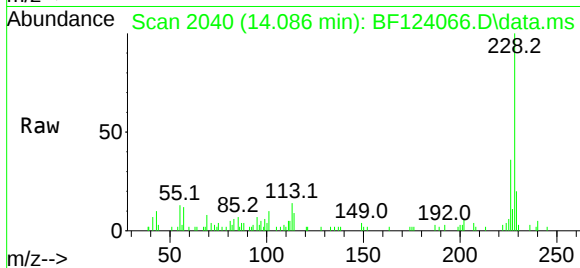
Tgt Ion:228	Resp:	21803
Ion Ratio	Lower	Upper
228	100	
226	36.0	24.3 36.5
229	19.6	16.2 24.2

Instrument :

BNA_F

ClientSampleId :

METRO-SP



#86

Perylene-d12

Concen: 20.00 ng

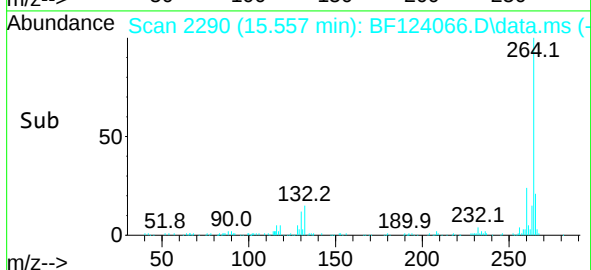
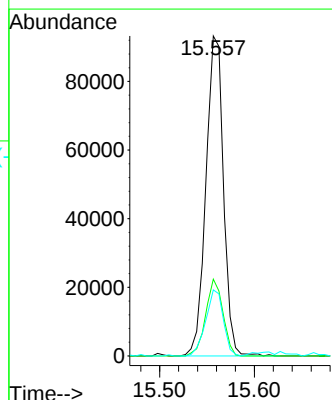
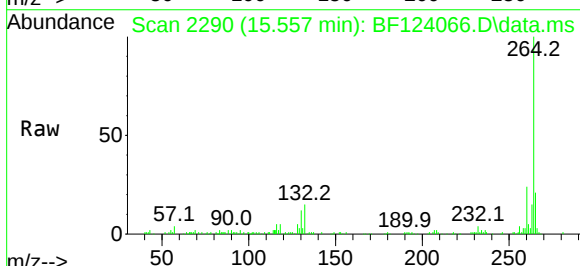
RT: 15.557 min Scan# 2290

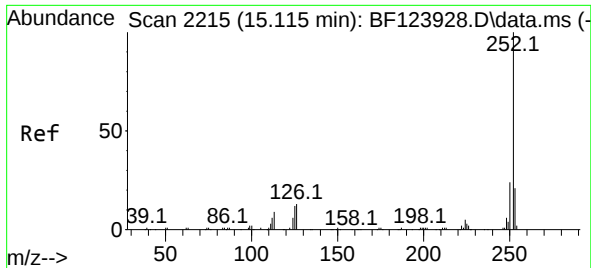
Delta R.T. 0.006 min

Lab File: BF124066.D

Acq: 26 May 2021 15:43

Tgt Ion:264	Resp:	120097
Ion Ratio	Lower	Upper
264	100	
260	24.0	18.7 28.1
265	20.7	17.8 26.8

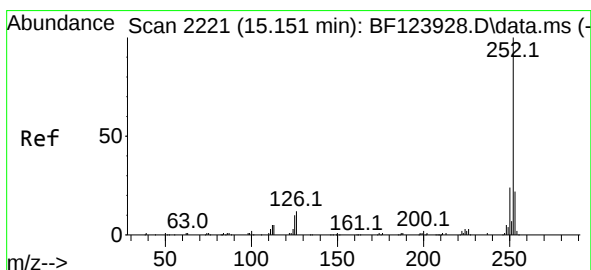
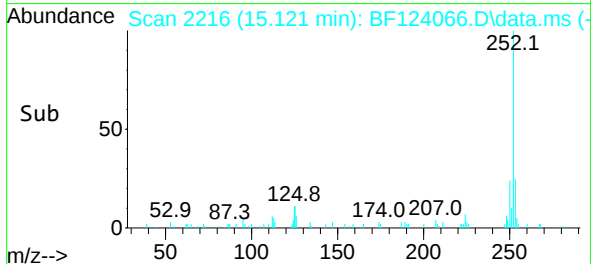
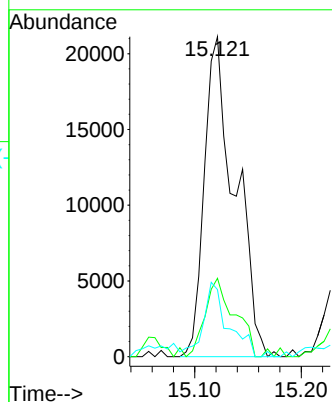
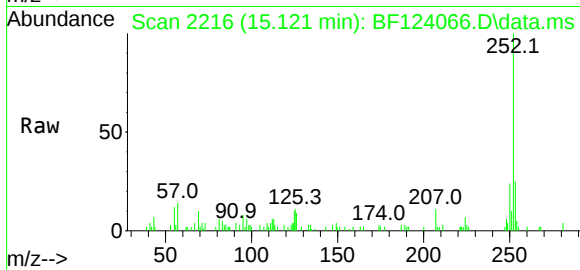




#88
Benzo(b)fluoranthene
Concen: 4.56 ng
RT: 15.121 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

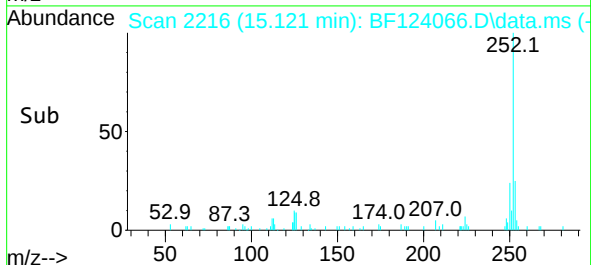
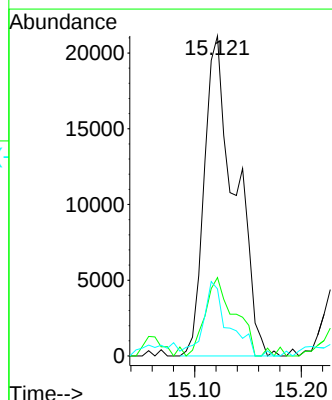
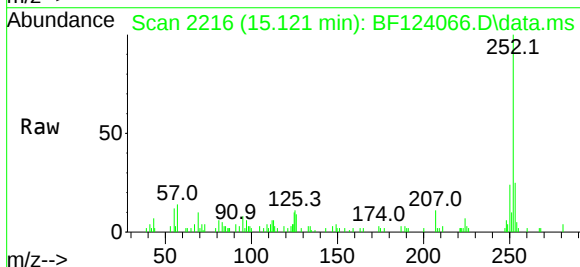
Instrument :
BNA_F
ClientSampled :
METRO-SP

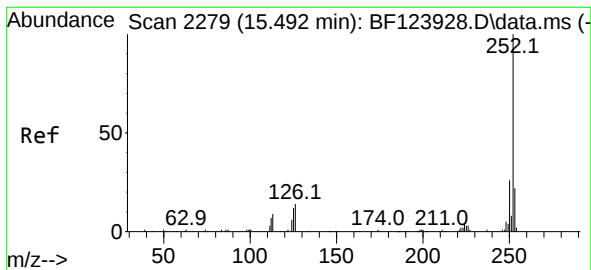
Tgt Ion:252 Resp: 42376
Ion Ratio Lower Upper
252 100
253 24.5 18.1 27.1
125 20.9 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 5.01 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.029 min
Lab File: BF124066.D
Acq: 26 May 2021 15:43

Tgt Ion:252 Resp: 42376
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 20.9 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 2.41 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.000 min

Lab File: BF124066.D

Acq: 26 May 2021 15:43

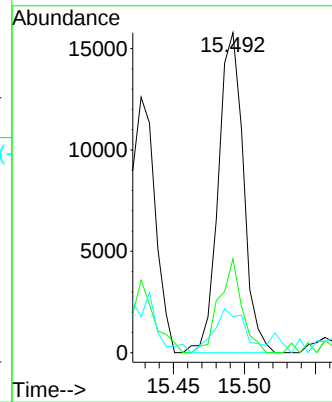
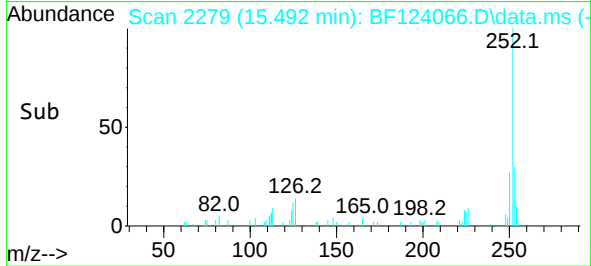
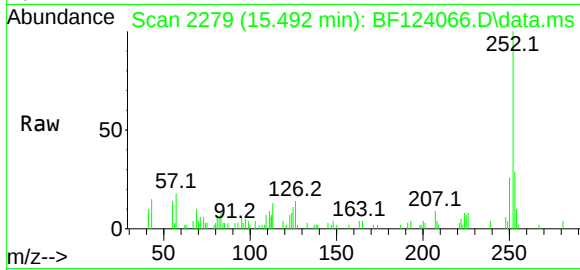
Tgt Ion:252 Resp: 19377

Ion Ratio Lower Upper

252 100

253 29.3 18.4 27.6#

125 11.3 8.0 12.0



Instrument :

BNA_F

ClientSampleId :

METRO-SP