

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052121\
 Data File : BF124032.D
 Acq On : 21 May 2021 22:41
 Operator : JU/CG
 Sample : M2479-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUBBASE-6-1-D

Quant Time: May 22 01:40:25 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)

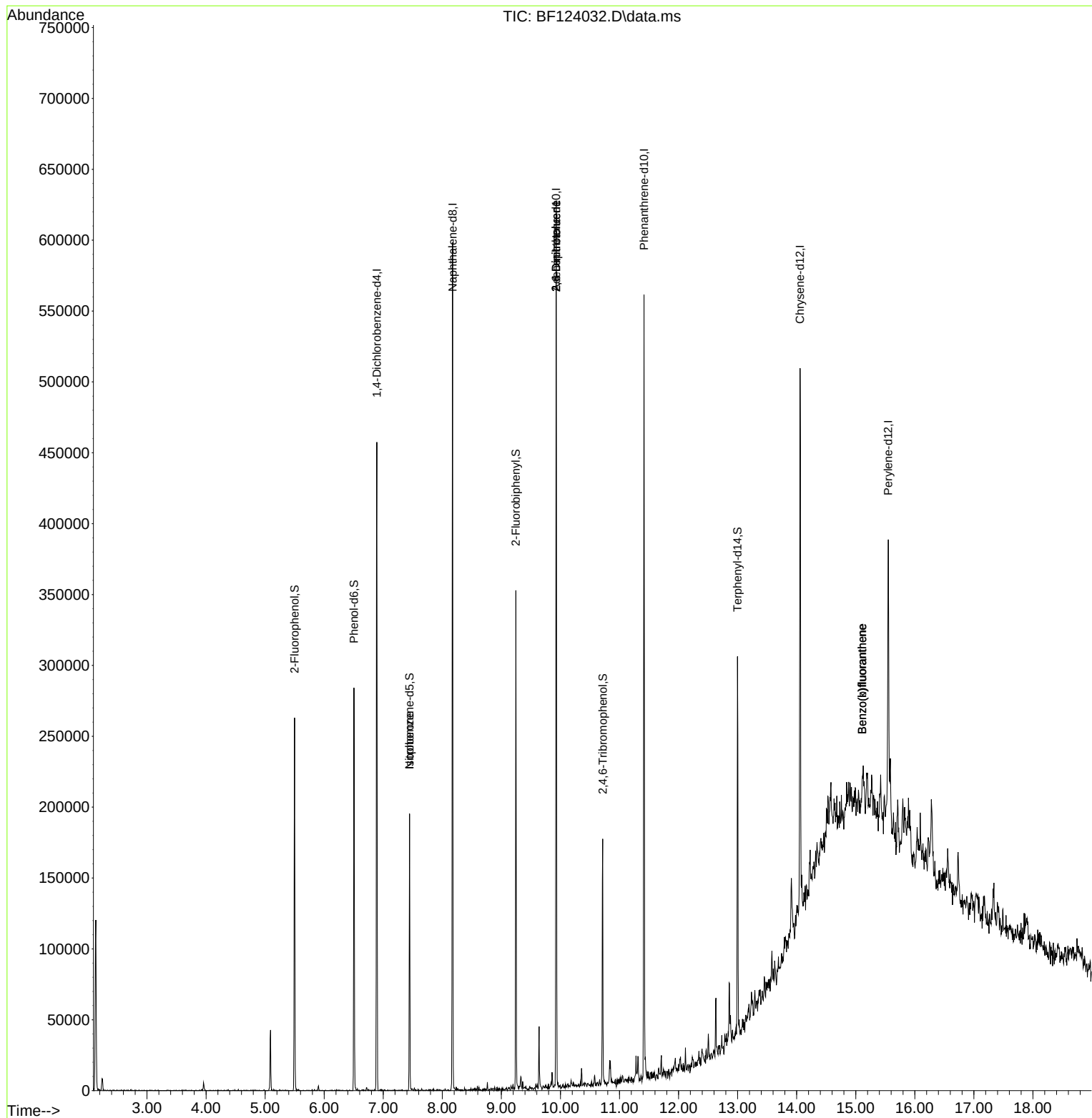
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	53554	20.00	ng	-0.01
21) Naphthalene-d8	8.175	136	204035	20.00	ng	-0.01
39) Acenaphthene-d10	9.927	164	106437	20.00	ng	-0.02
64) Phenanthrene-d10	11.416	188	168412	20.00	ng	-0.01
76) Chrysene-d12	14.057	240	124764	20.00	ng	-0.01
86) Perylene-d12	15.551	264	77271	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	50662	13.28	ng	-0.01
7) Phenol-d6	6.504	99	64089	12.95	ng	-0.02
23) Nitrobenzene-d5	7.445	82	47457	10.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	16021	12.53	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	77716	8.99	ng	-0.02
79) Terphenyl-d14	12.998	244	69955	8.49	ng	-0.02
Target Compounds						
25) Isophorone	7.445	82	47456	5.21	ng	# 69
51) 2,6-Dinitrotoluene	9.927	165	13735	7.99	ng	# 12
57) 2,4-Dinitrotoluene	9.927	165	13735	6.52	ng	# 18
88) Benzo(b)fluoranthene	15.109	252	12915	2.16	ng	# 63
89) Benzo(k)fluoranthene	15.109	252	12915	2.37	ng	# 61

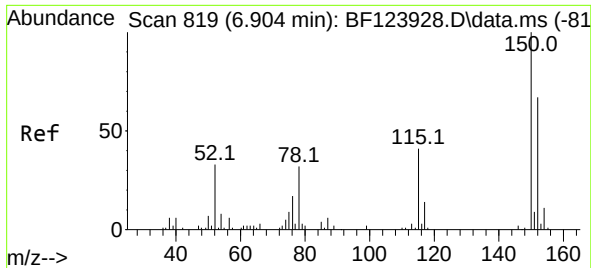
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

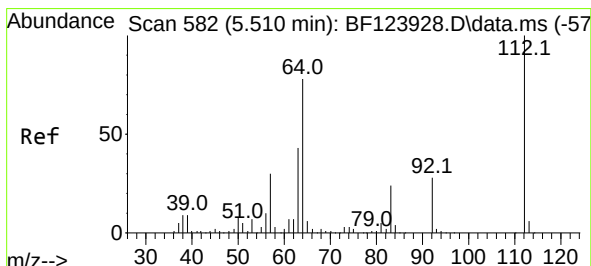
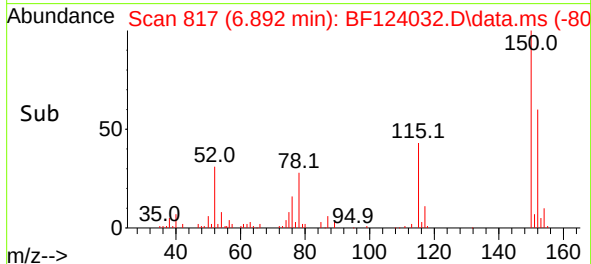
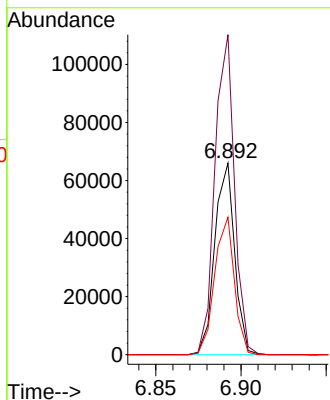
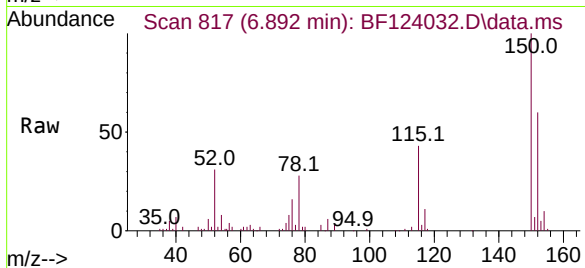




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF124032.D
Acq: 21 May 2021 22:41

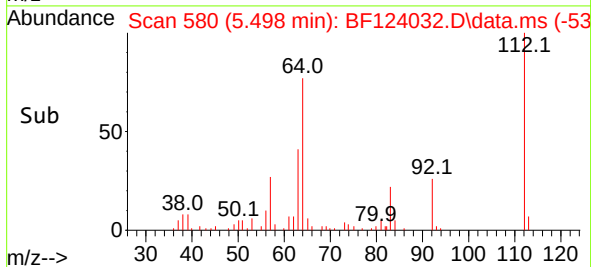
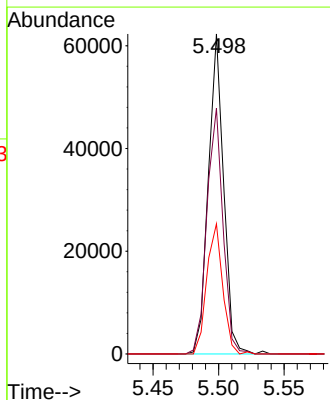
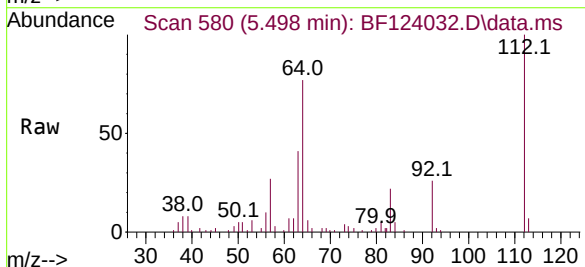
Instrument :
BNA_F
ClientSampleId :
SUBBASE-6-1-D

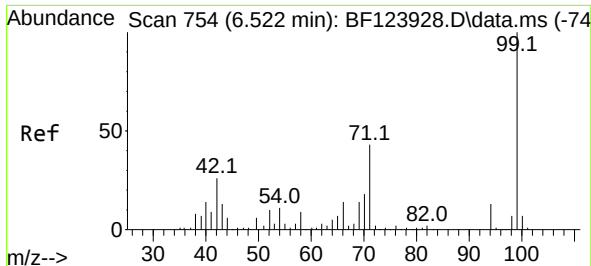
Tgt Ion:152 Resp: 53554
Ion Ratio Lower Upper
152 100
150 167.1 127.0 190.6
115 71.8 54.3 81.5



#5
2-Fluorophenol
Concen: 13.28 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF124032.D
Acq: 21 May 2021 22:41

Tgt Ion:112 Resp: 50662
Ion Ratio Lower Upper
112 100
64 76.8 61.4 92.0
63 40.6 33.0 49.4

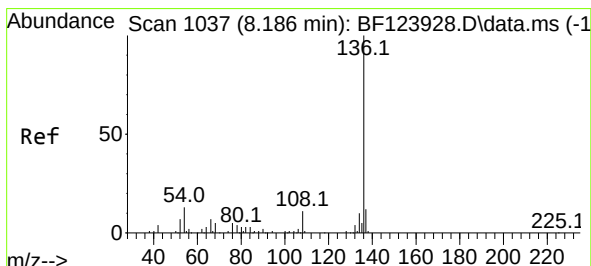
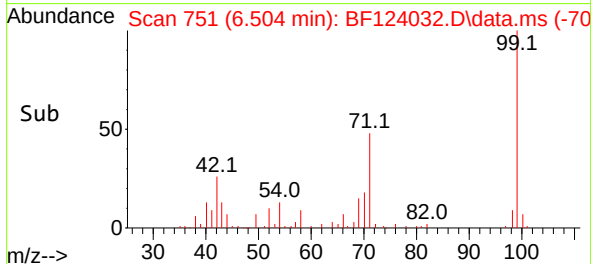
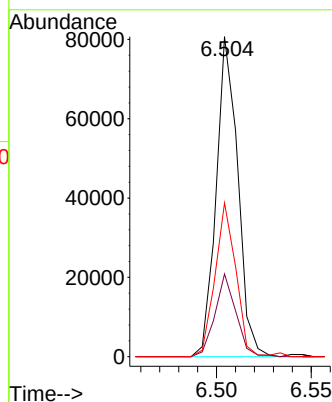
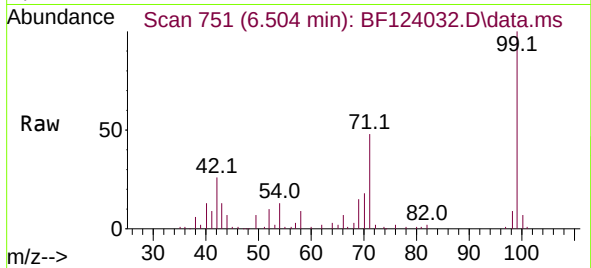




#7
Phenol-d6
Concen: 12.95 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.018 min
Lab File: BF124032.D
Acq: 21 May 2021 22:41

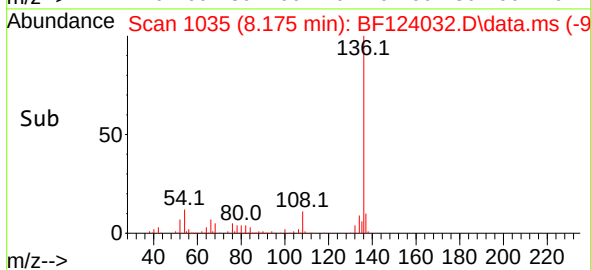
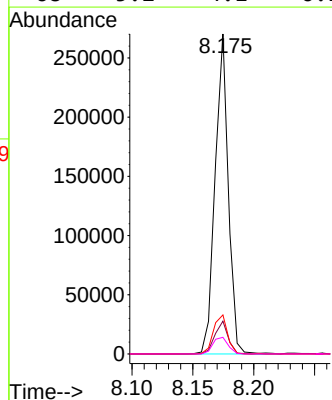
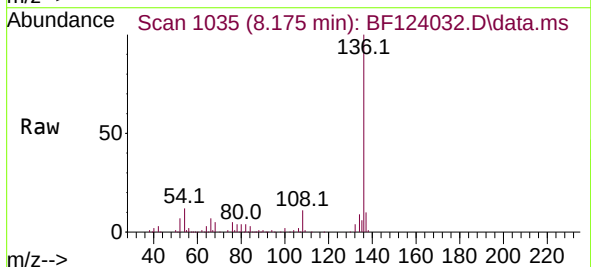
Instrument :
BNA_F
ClientSampleId :
SUBBASE-6-1-D

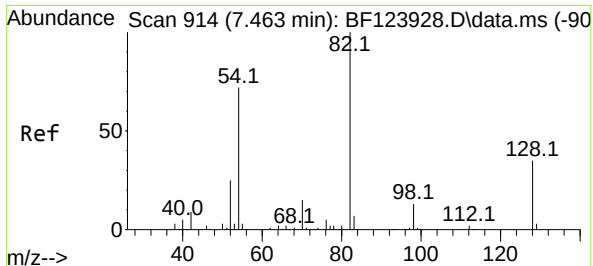
Tgt Ion: 99 Resp: 64089
Ion Ratio Lower Upper
99 100
42 25.9 19.8 29.8
71 48.1 31.1 46.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.011 min
Lab File: BF124032.D
Acq: 21 May 2021 22:41

Tgt Ion: 136 Resp: 204035
Ion Ratio Lower Upper
136 100
137 10.2 8.7 13.1
54 12.2 9.8 14.6
68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 10.02 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.018 min

Lab File: BF124032.D

Acq: 21 May 2021 22:41

Tgt Ion: 82 Resp: 47457

Ion Ratio Lower Upper

82 100

128 35.2 29.4 44.2

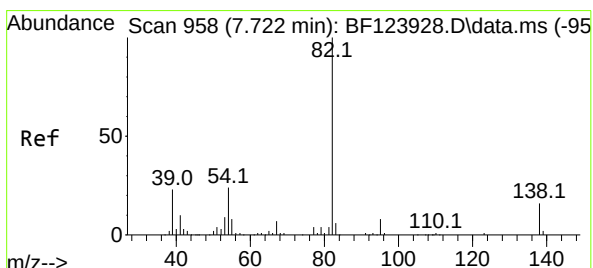
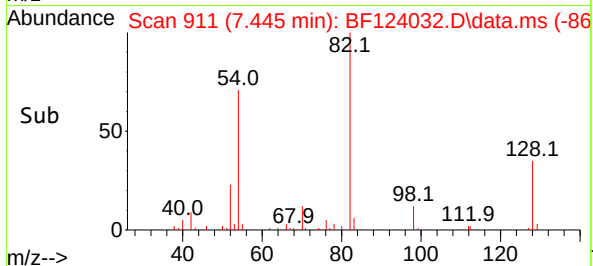
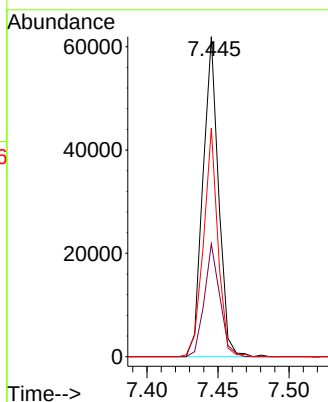
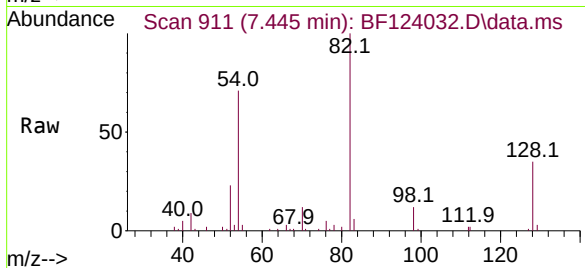
54 71.4 54.1 81.1

Instrument :

BNA_F

ClientSampleId :

SUBBASE-6-1-D



#25

Isophorone

Concen: 5.21 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.276 min

Lab File: BF124032.D

Acq: 21 May 2021 22:41

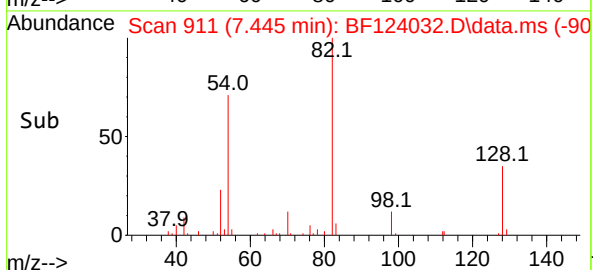
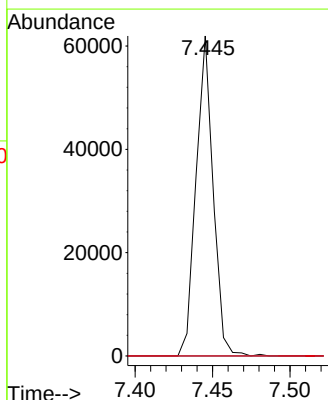
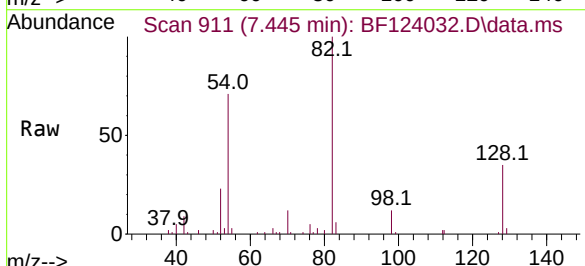
Tgt Ion: 82 Resp: 47456

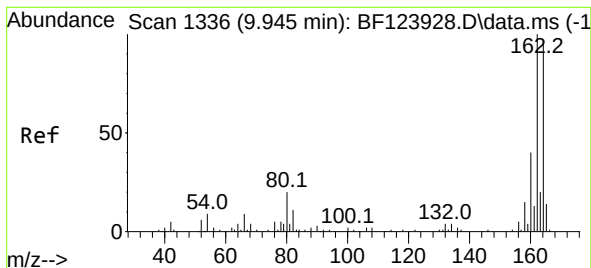
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.8 17.8#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.927 min Scan# 1333

Delta R.T. -0.018 min

Lab File: BF124032.D

Acq: 21 May 2021 22:41

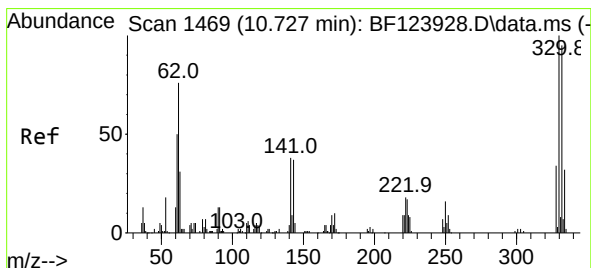
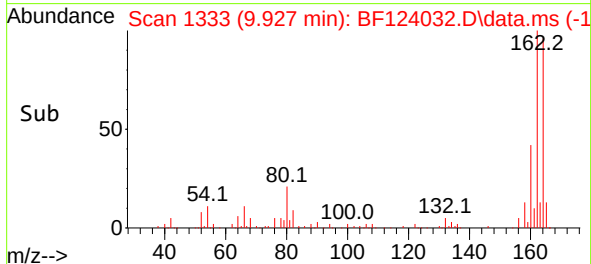
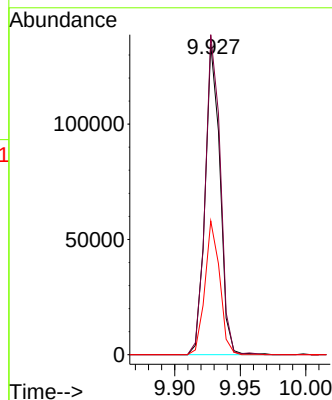
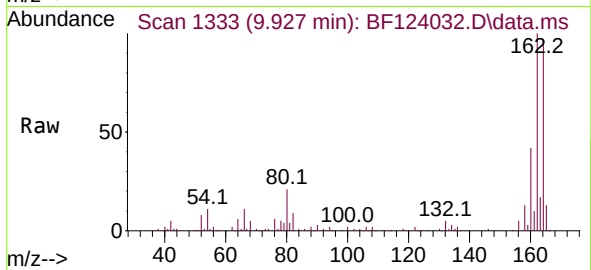
Tgt Ion:164 Resp: 106437

Ion Ratio Lower Upper

164 100

162 103.0 80.7 121.1

160 43.1 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 12.53 ng

RT: 10.716 min Scan# 1467

Delta R.T. -0.012 min

Lab File: BF124032.D

Acq: 21 May 2021 22:41

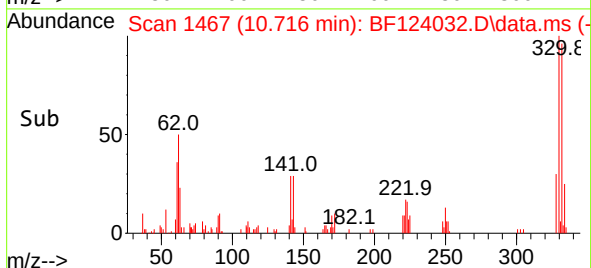
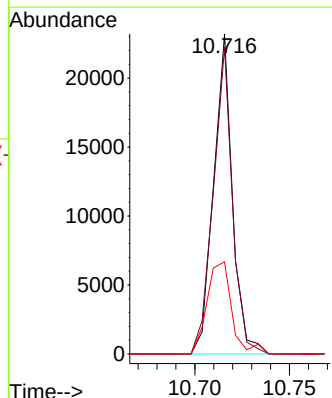
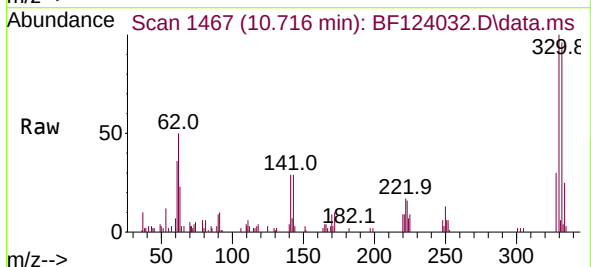
Tgt Ion:330 Resp: 16021

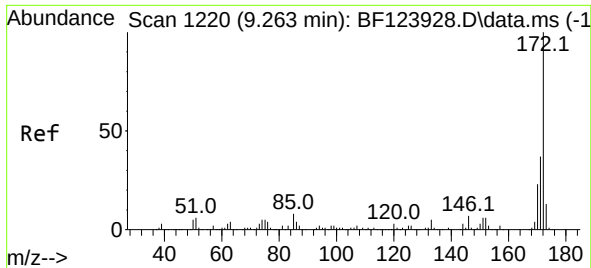
Ion Ratio Lower Upper

330 100

332 97.6 77.1 115.7

141 37.9 27.9 41.9

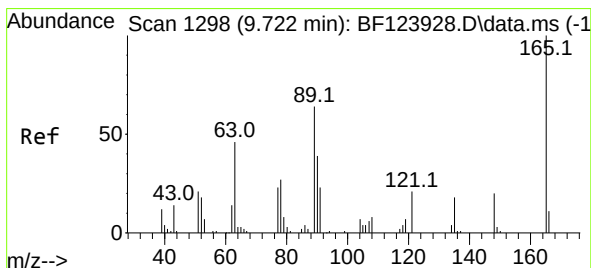
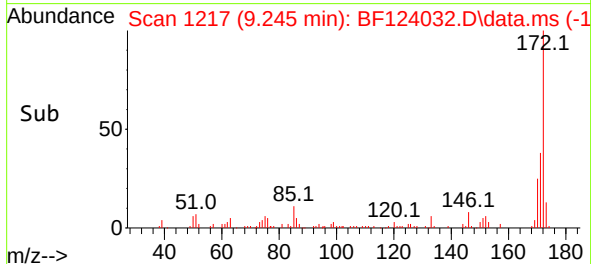
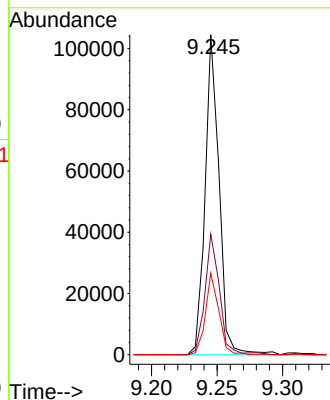
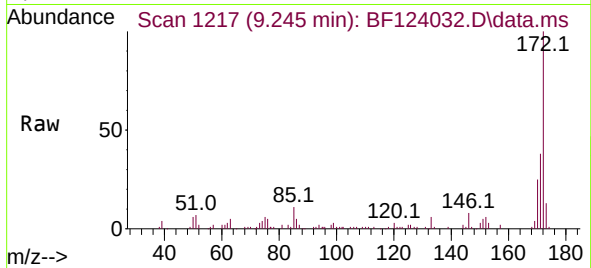




#45
2-Fluorobiphenyl
Concen: 8.99 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.018 min
Lab File: BF124032.D
Acq: 21 May 2021 22:41

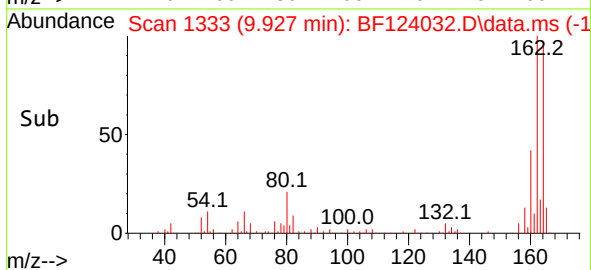
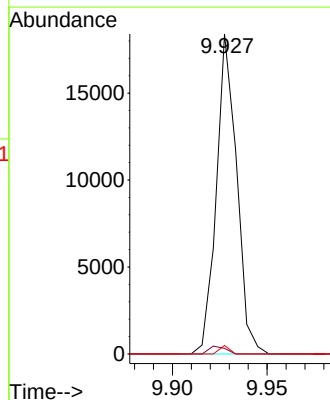
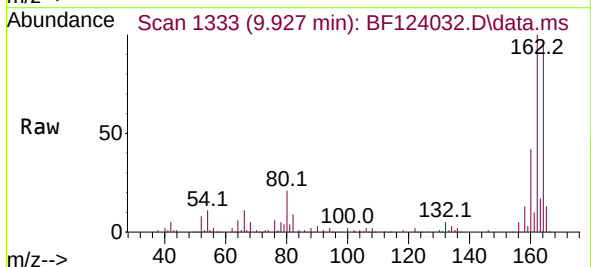
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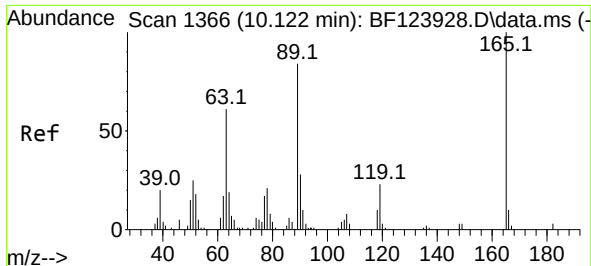
Tgt Ion:172 Resp: 77716
Ion Ratio Lower Upper
172 100
171 37.7 28.1 42.1
170 25.5 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 7.99 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.206 min
Lab File: BF124032.D
Acq: 21 May 2021 22:41

Tgt Ion:165 Resp: 13735
Ion Ratio Lower Upper
165 100
63 1.7 67.7 101.5#
89 2.7 58.8 88.2#

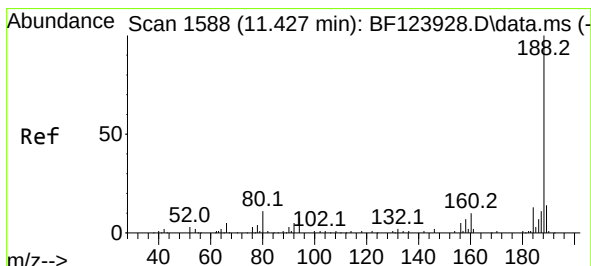
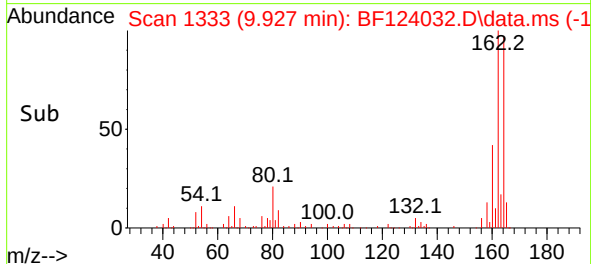
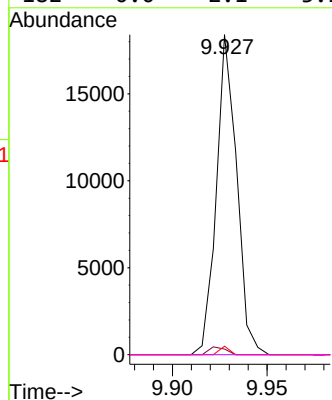
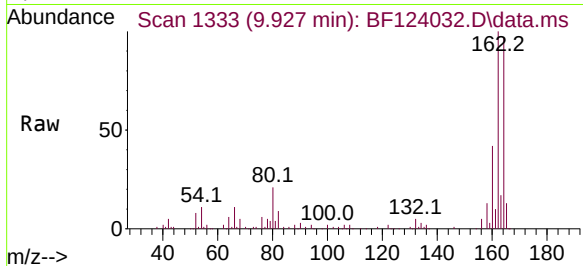




#57
2,4-Dinitrotoluene
Concen: 6.52 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF124032.D
Acq: 21 May 2021 22:41

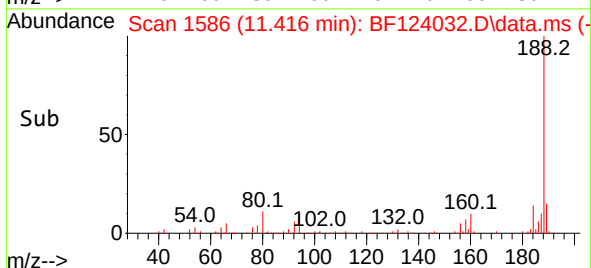
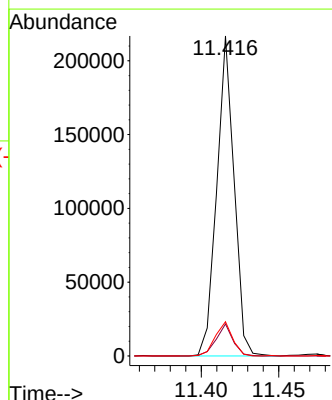
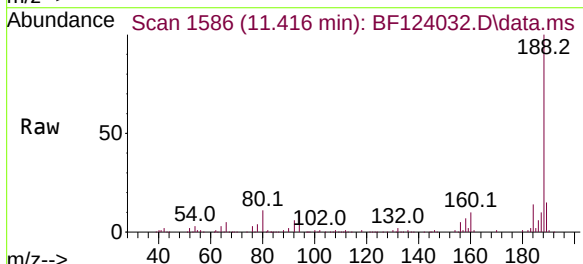
Instrument :
BNA_F
ClientSampleId :
SUBBASE-6-1-D

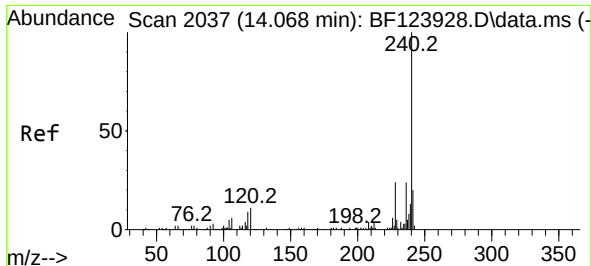
Tgt Ion:165	Resp:	13735
Ion Ratio	Lower	Upper
165	100	
63	1.7	43.5 65.3#
89	2.7	67.7 101.5#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.011 min
Lab File: BF124032.D
Acq: 21 May 2021 22:41

Tgt Ion:188	Resp:	168412
Ion Ratio	Lower	Upper
188	100	
94	10.0	6.9 10.3
80	10.7	8.2 12.2

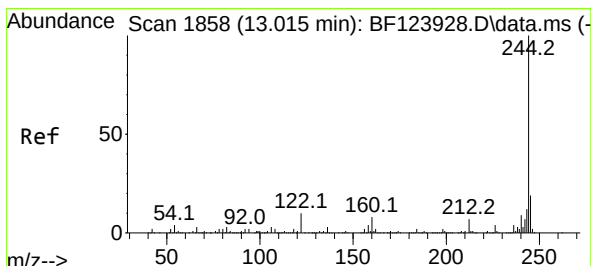
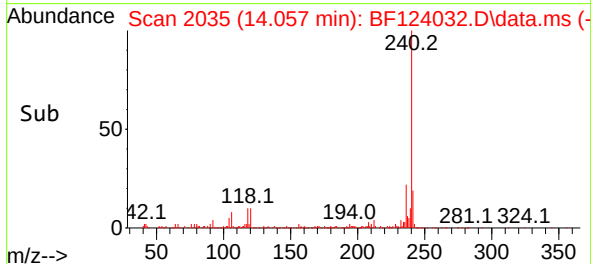
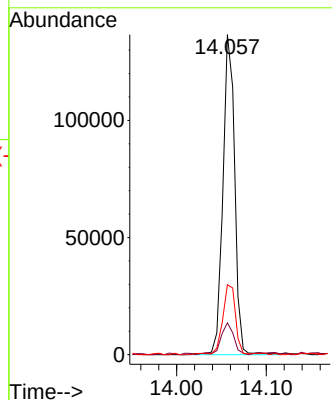
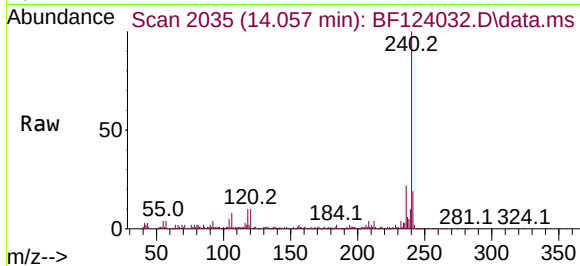




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF124032.D
Acq: 21 May 2021 22:41

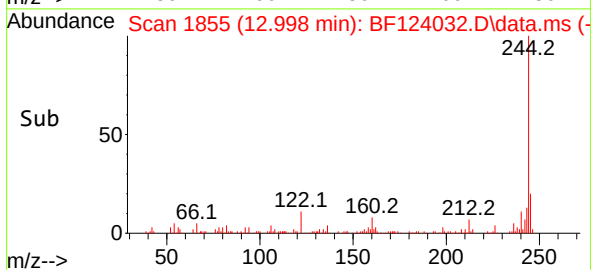
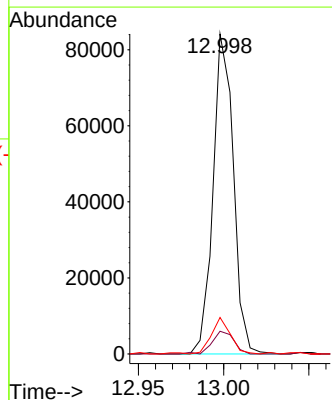
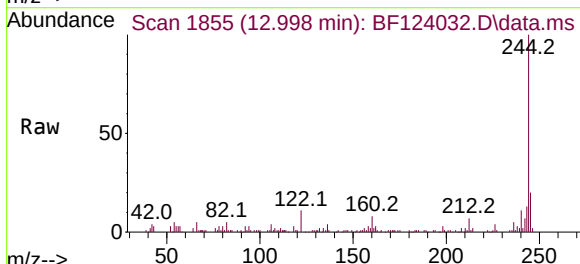
Instrument :
BNA_F
ClientSampleId :
SUBBASE-6-1-D

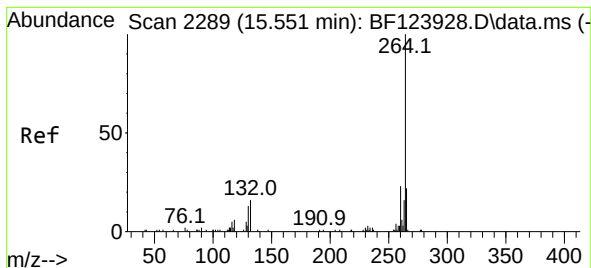
Tgt Ion:240 Resp: 124764
Ion Ratio Lower Upper
240 100
120 9.9 7.2 10.8
236 21.9 19.0 28.4



#79
Terphenyl-d14
Concen: 8.49 ng
RT: 12.998 min Scan# 1855
Delta R.T. -0.018 min
Lab File: BF124032.D
Acq: 21 May 2021 22:41

Tgt Ion:244 Resp: 69955
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 11.4 9.7 14.5

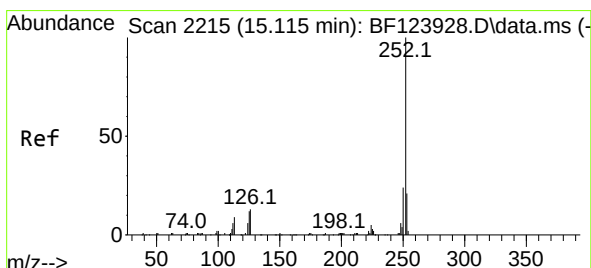
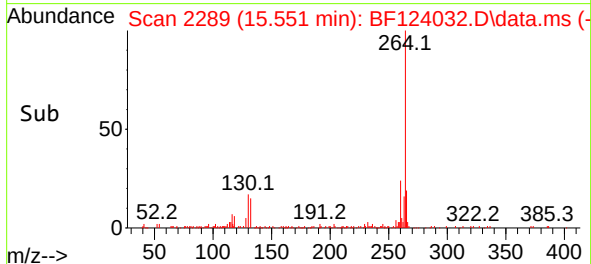
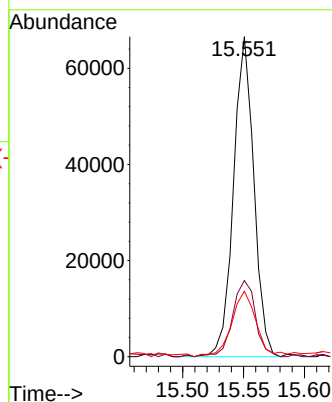
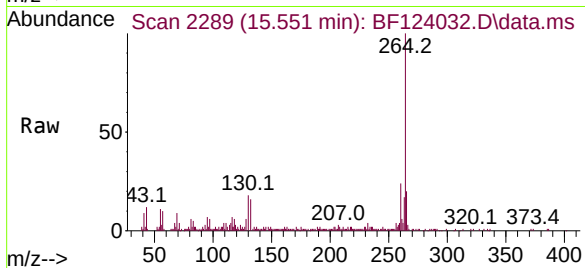




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.000 min
Lab File: BF124032.D
Acq: 21 May 2021 22:41

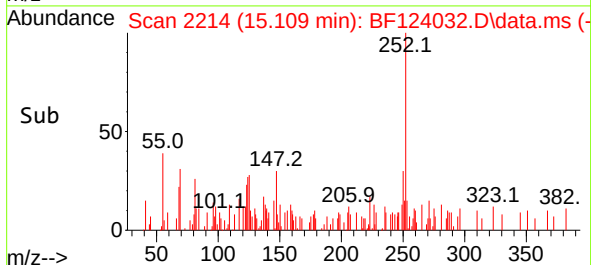
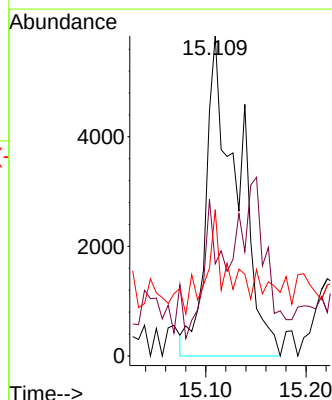
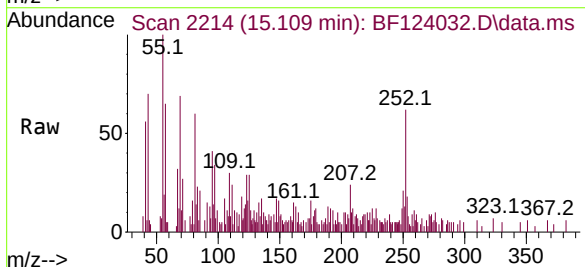
Instrument :
BNA_F
ClientSampleId :
SUBBASE-6-1-D

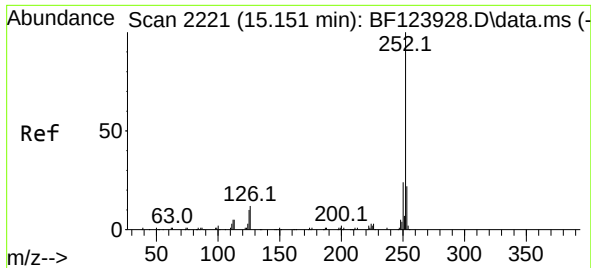
Tgt Ion:	264	Resp:	77271
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	20.4	17.8	26.8



#88
Benzo(b)fluoranthene
Concen: 2.16 ng
RT: 15.109 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BF124032.D
Acq: 21 May 2021 22:41

Tgt Ion:	252	Resp:	12915
Ion Ratio	Lower	Upper	
252	100		
253	28.8	18.1	27.1#
125	45.7	6.2	9.4#





#89

Benzo(k)fluoranthene

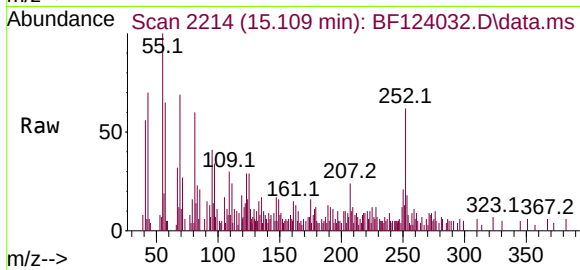
Concen: 2.37 ng

RT: 15.109 min Scan# 2214

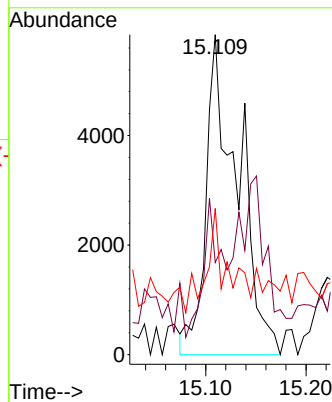
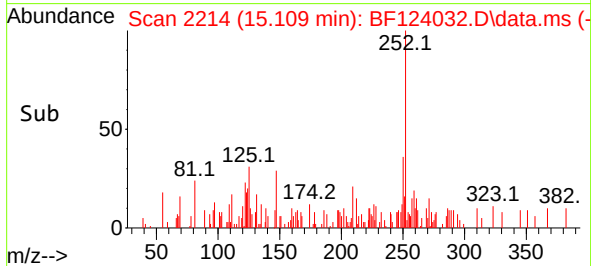
Delta R.T. -0.041 min

Lab File: BF124032.D

Acq: 21 May 2021 22:41



Tgt Ion:	252	Resp:	12915
Ion Ratio	Lower	Upper	
252	100		
253	28.8	17.9	26.9#
125	45.7	7.0	10.6#



Instrument :

BNA_F

ClientSampleId :

SUBBASE-6-1-D