

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121706.D
 Acq On : 28 Sep 2020 12:02
 Operator : JU/CG
 Sample : L4152-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WR-PILE-1-2DL

Manual Integrations
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Quant Time: Sep 28 12:43:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 11:40:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	155669	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	618532	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	323201	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	621013	20.00	ng	0.00
76) Chrysene-d12	13.96	240	464256	20.00	ng	0.00
86) Perylene-d12	15.40	264	398925	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	18368	1.75	ng	0.00
7) Phenol-d6	6.43	99	115983	8.44	ng	-0.01
23) Nitrobenzene-d5	7.35	82	87332	7.58	ng	-0.02
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	9.15	172	188103	8.81	ng	0.00
79) Terphenyl-d14	12.89	244	211113	9.21	ng	-0.01
Target Compounds						
31) Naphthalene	8.10	128	73790	2.260	ng	Qvalue 100
52) Acenaphthene	9.86	154	100373	5.073	ng	98
55) Dibenzofuran	10.03	168	137918	4.949	ng	95
58) Fluorene	10.37	166	126974	5.959	ng	100
71) Phenanthrene	11.34	178	1652127	48.828	ng	100
72) Anthracene	11.39	178	480336	13.757	ng	98
73) Carbazole	11.54	167	250751	7.958	ng	98
75) Fluoranthene	12.53	202	1967361	54.469	ng	98
78) Pyrene	12.76	202	1660738	48.961	ng	99
81) Benzo(a)anthracene	13.94	228	864014	29.417	ng	100
83) Chrysene	13.98	228	741670	24.937	ng	97
87) Indeno(1,2,3-cd)pyrene	16.82	276	384619	14.805	ng	94
88) Benzo(b)fluoranthene	14.98	252	821412m	30.801	ng	
89) Benzo(k)fluoranthene	15.00	252	245490m	10.052	ng	
90) Benzo(a)pyrene	15.33	252	542612	23.936	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	91943m	4.252	ng	
92) Benzo(g,h,i)perylene	17.24	276	346674	16.308	ng	100

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

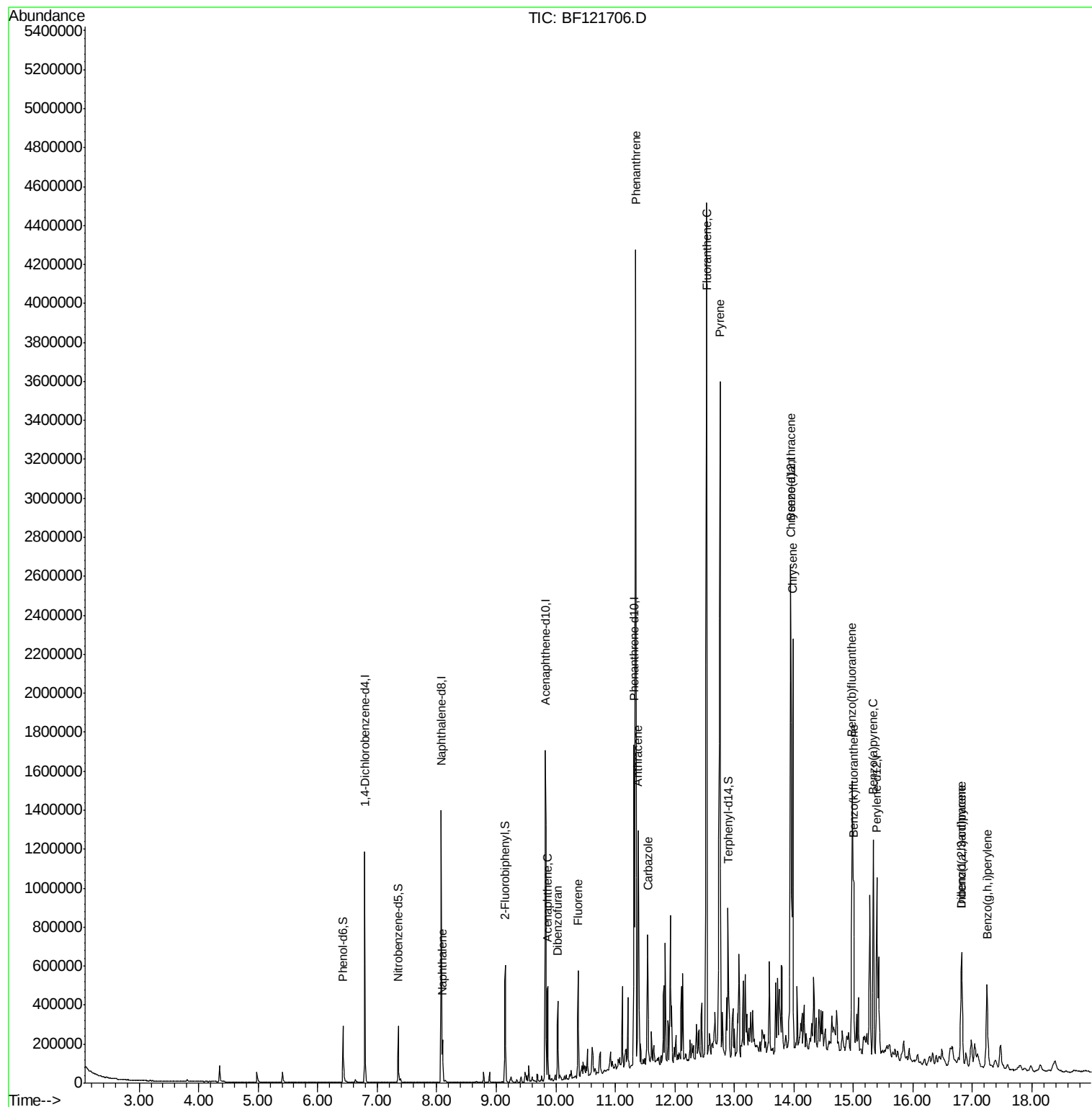
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121706.D
Acq On : 28 Sep 2020 12:02
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ALS Vial : 6 Sample Multiplier: 1

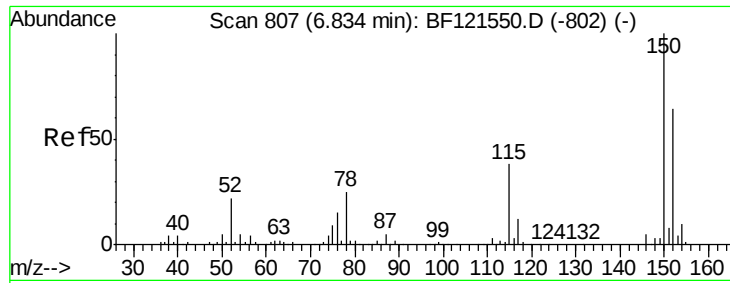
Instrument :
BNA_F
ClientSampled :
WR-PILE-1-2DL

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Quant Time: Sep 28 12:43:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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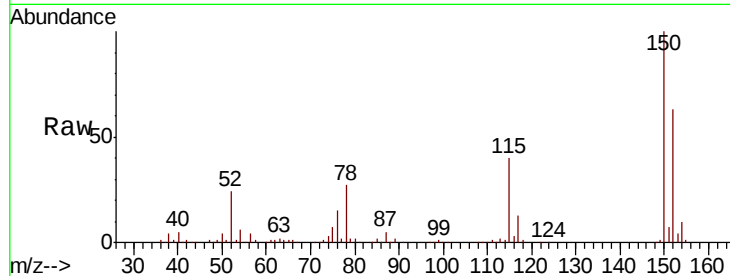
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121706.D
 Acq: 28 Sep 2020 12:02

Instrument :
 BNA_F
 ClientSampleId :
 WR-PILE-1-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.6	184.0
115	63.8	47.1	70.7

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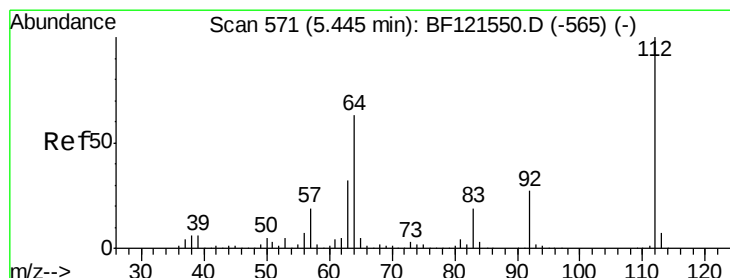
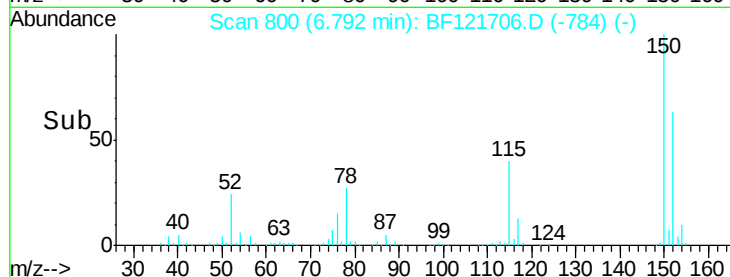
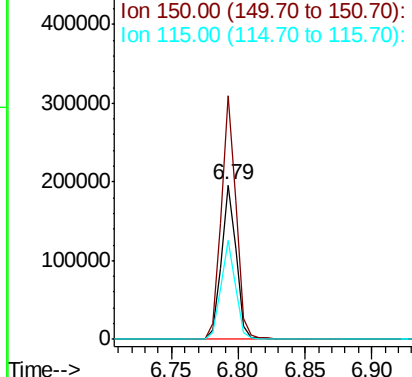


Abundance

Ion 152.00 (151.70 to 152.70): E

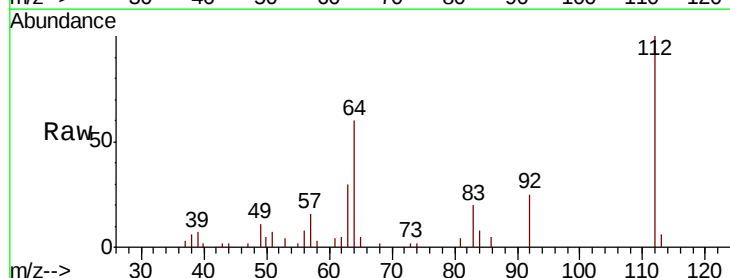
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 1.754 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF121706.D
 Acq: 28 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	49.5	74.3
63	29.9	25.4	38.0

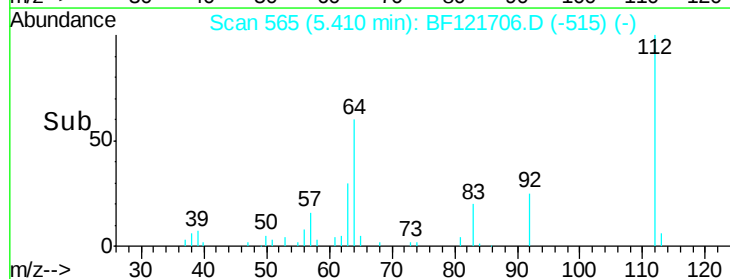
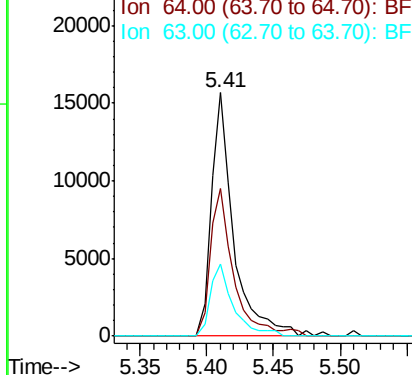


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 8.440 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF121706.D

Acq: 28 Sep 2020 12:02

Instrument :

BNA_F

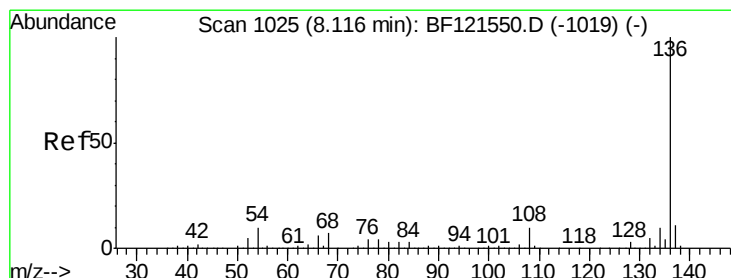
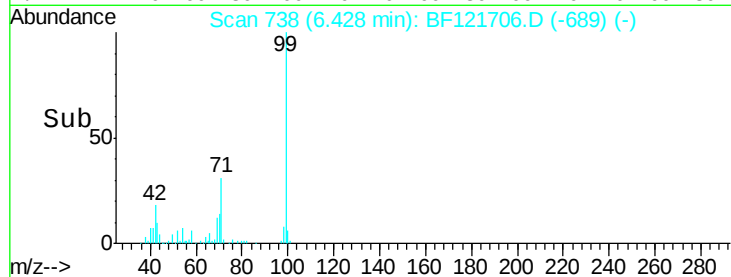
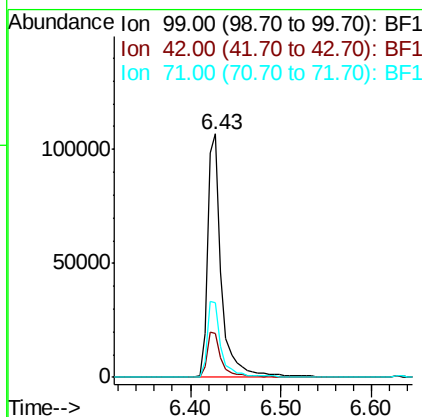
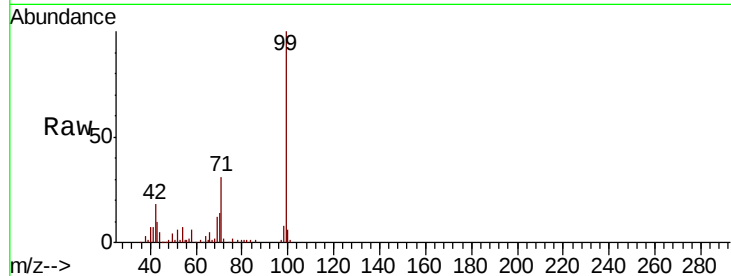
ClientSampled :

WR-PILE-1-2DL

Tot Ion:	99	Resp:	115983
Ion Ratio	Lower	Upper	
99	100		
42	18.1	16.1	24.1
71	30.7	27.6	41.4

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#21

Naphthalene-d8

Concen: 20.000 ng

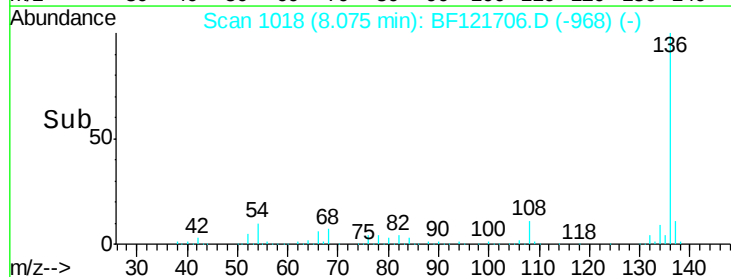
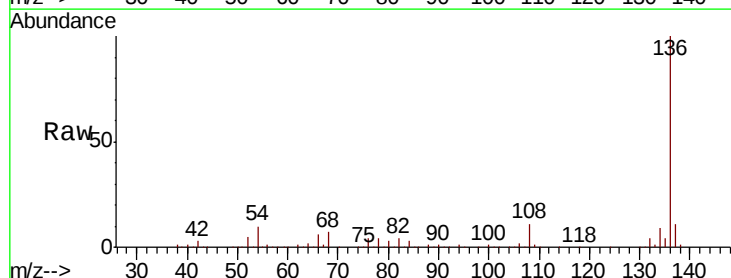
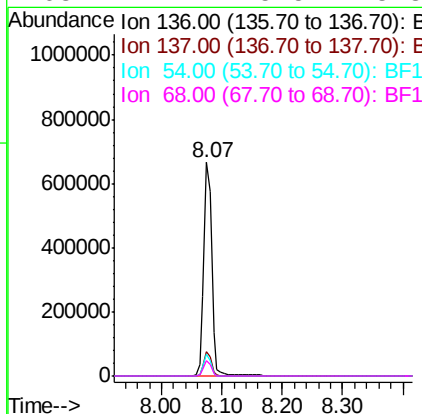
RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121706.D

Acq: 28 Sep 2020 12:02

Tgt Ion:	136	Resp:	618532
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.8	13.2
54	10.1	7.5	11.3
68	7.2	5.5	8.3





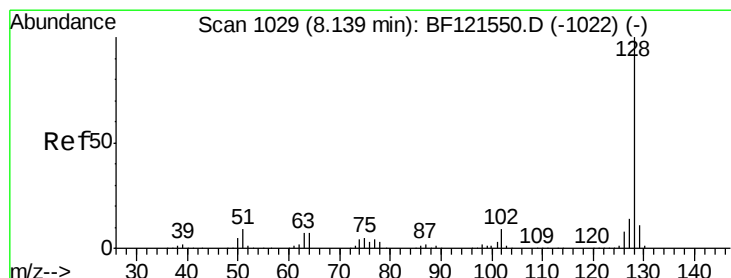
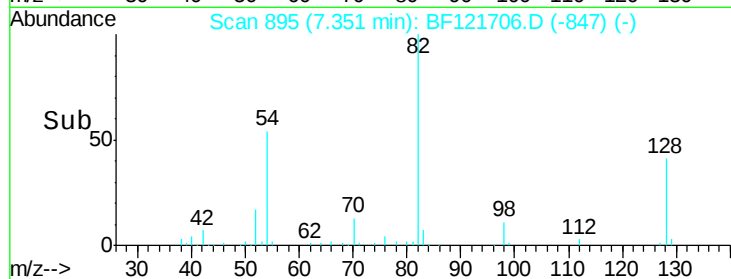
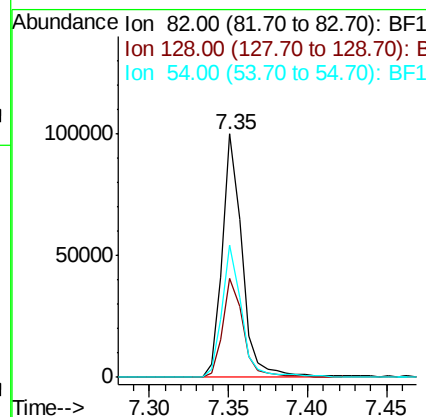
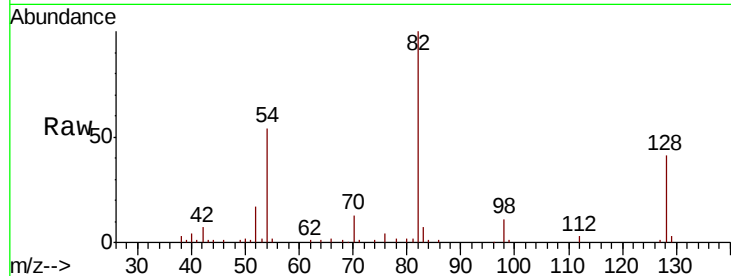
#23
Nitrobenzene-d5
Concen: 7.581 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Instrument :
BNA_F
ClientSampleId :
WR-PILE-1-2DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.5	35.8	53.6
54	54.3	42.6	63.8

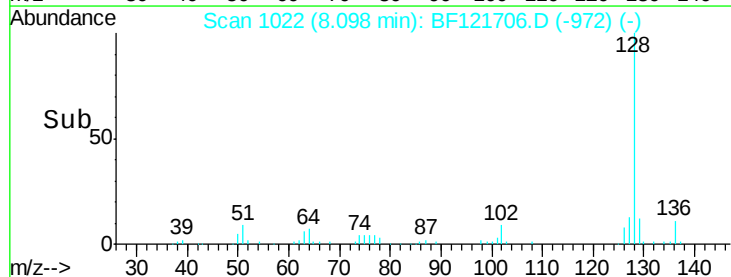
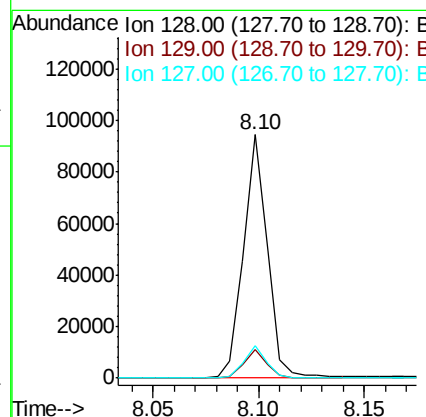
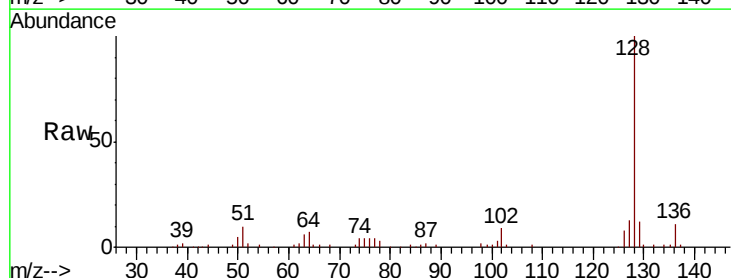
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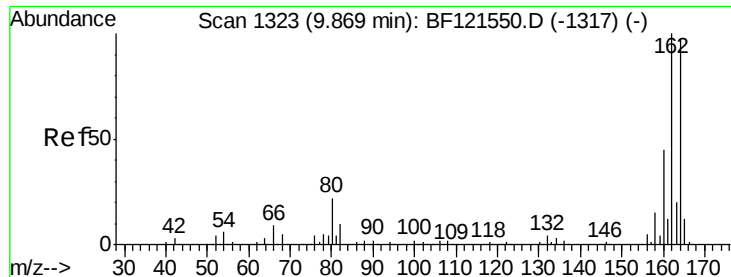
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#31
Naphthalene
Concen: 2.260 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.3	10.8	16.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF121706.D

Acq: 28 Sep 2020 12:02

Instrument :

BNA_F

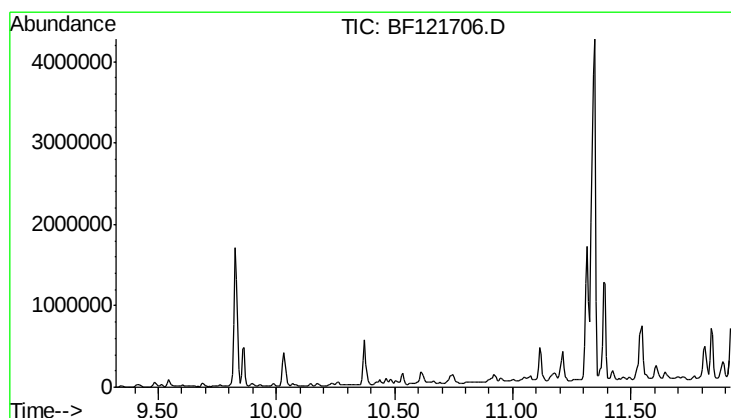
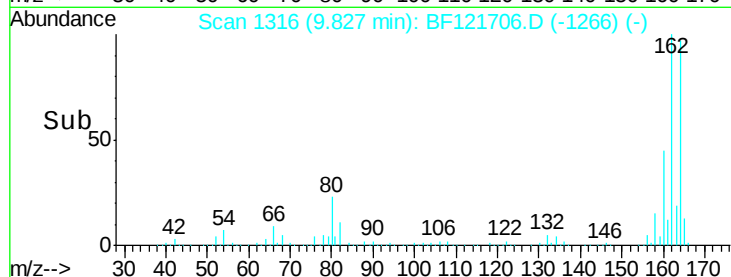
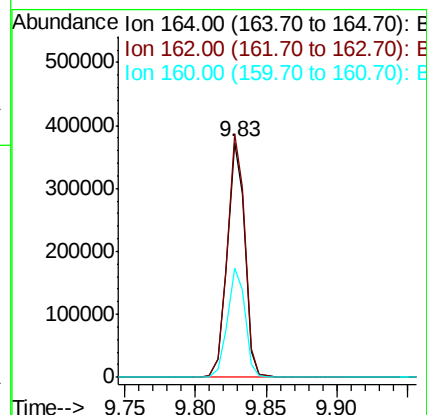
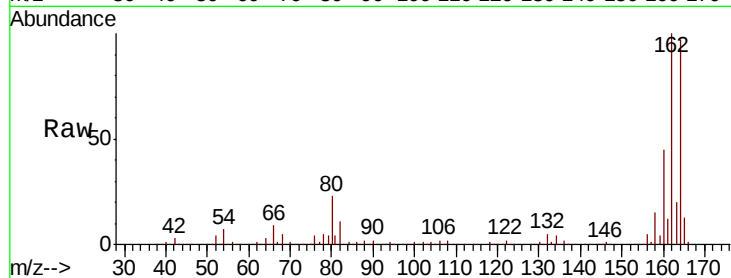
ClientSampleId :

WR-PILE-1-2DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
164	100				
162	103.6	82.1	123.1		
160	46.7	36.8	55.2		

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#42

2,4,6-Tribromophenol

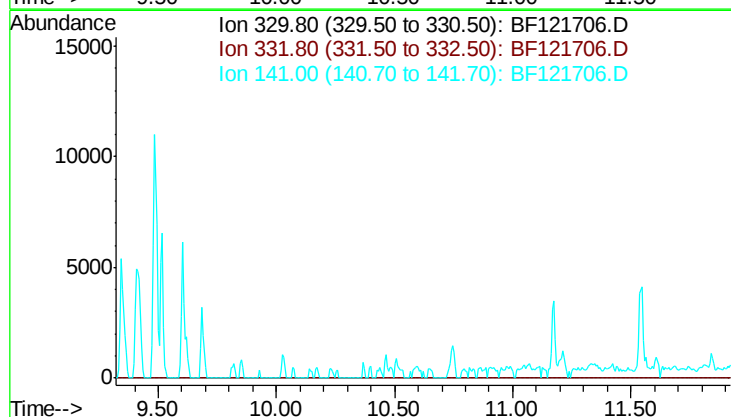
Concen: 0.000 ng

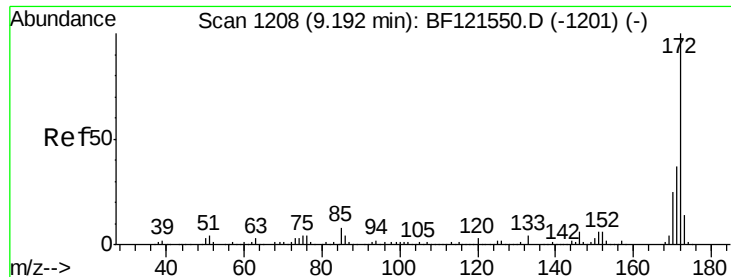
Expected RT: 10.62 min

Lab File: BF121706.D

Acq: 28 Sep 2020 12:02

Tgt Ion	Exp Ratio
330	100
332	95.0
141	27.8





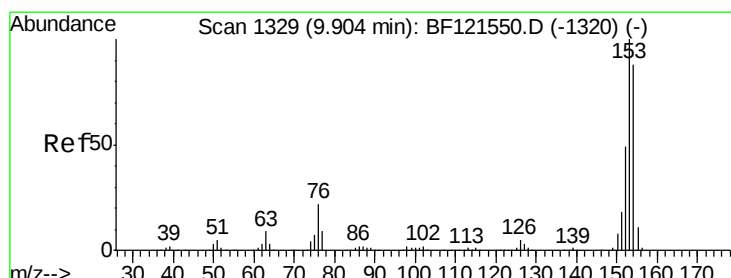
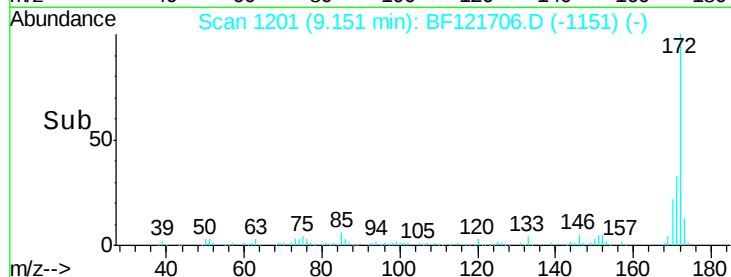
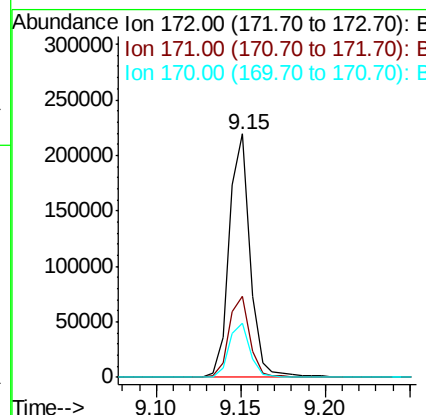
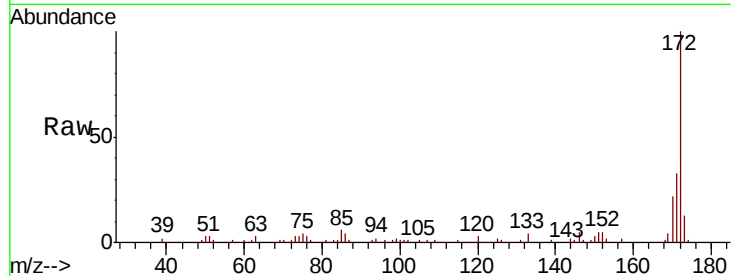
#45
2-Fluorobiphenyl
Concen: 8.815 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Instrument :
BNA_F
ClientSampleId :
WR-PILE-1-2DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.4	29.0	43.6
170	22.5	19.5	29.3

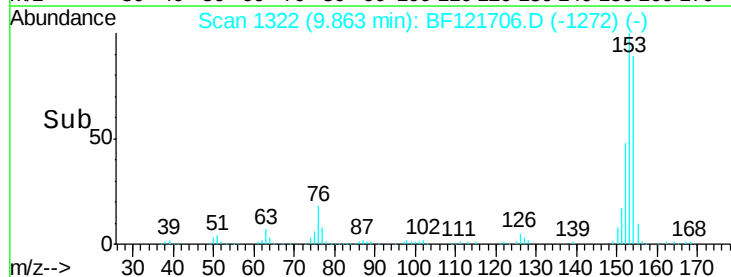
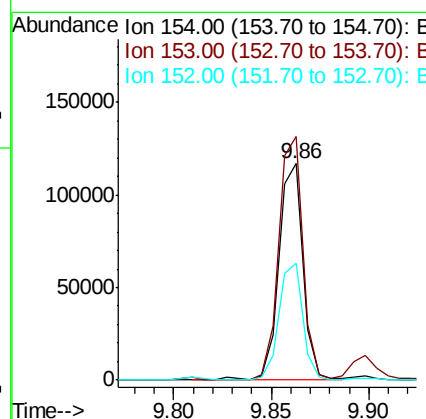
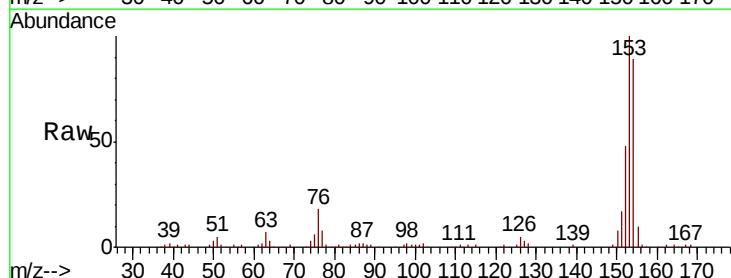
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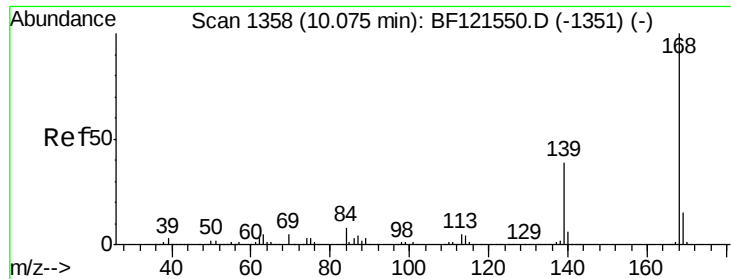
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#52
Acenaphthene
Concen: 5.073 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.5	91.7	137.5
152	54.1	44.0	66.0





#55

Dibenzenofuran

Concen: 4.949 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BF121706.D

Acq: 28 Sep 2020 12:02

Instrument :

BNA_F

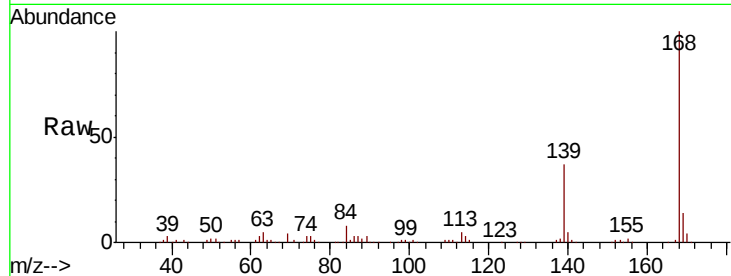
ClientSampleId :

WR-PILE-1-2DL

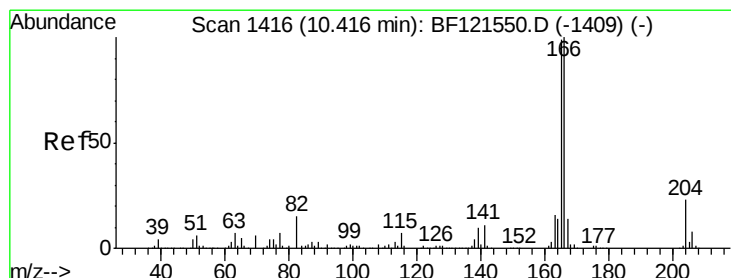
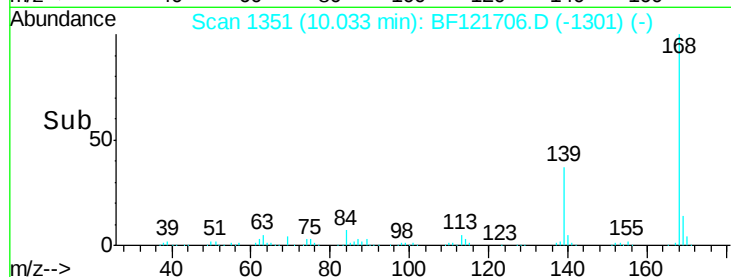
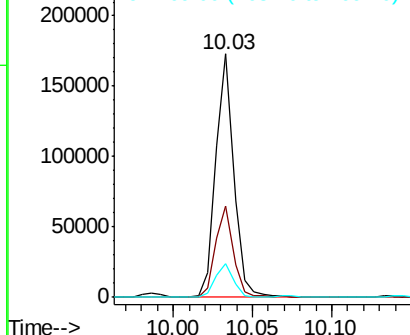
Tot Ion:	168	Resp:	137918
Ion	Ratio	Lower	Upper
168	100		
139	37.3	32.6	49.0
169	13.9	11.7	17.5

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 5.959 ng

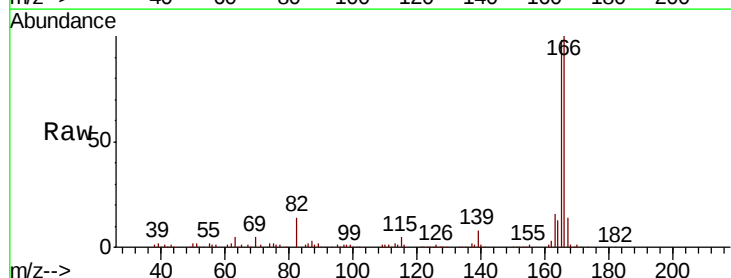
RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

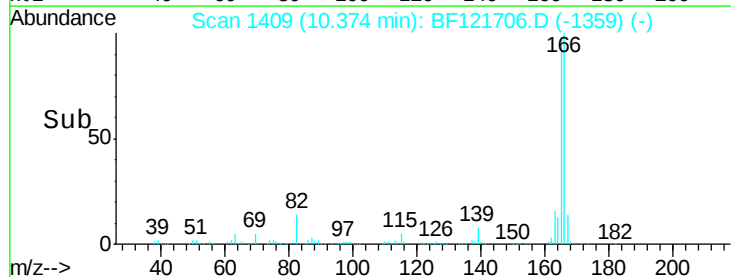
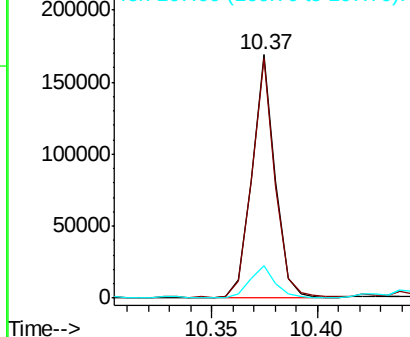
Lab File: BF121706.D

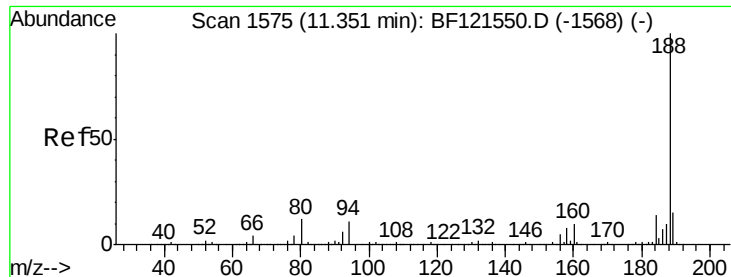
Acq: 28 Sep 2020 12:02

Tgt Ion:	166	Resp:	126974
Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.8	118.2
167	13.6	11.0	16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





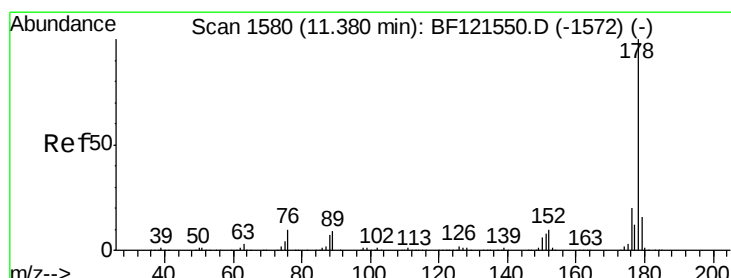
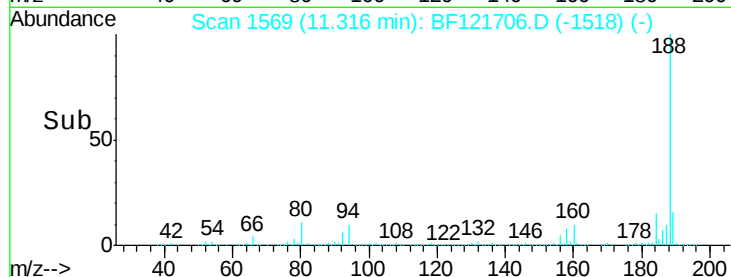
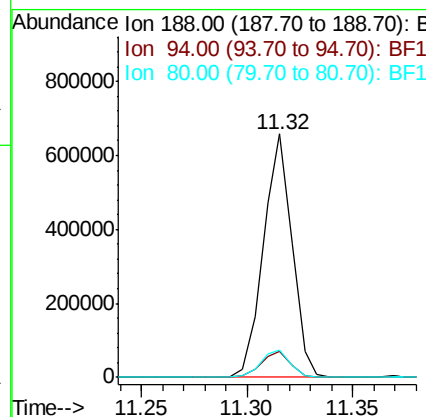
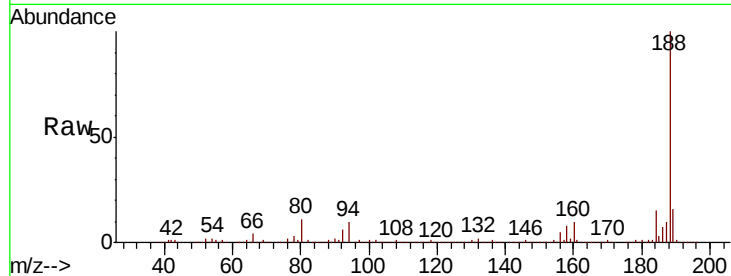
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Instrument :
BNA_F
ClientSampleId :
WR-PILE-1-2DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.5	8.4	12.6
80	11.3	9.3	13.9

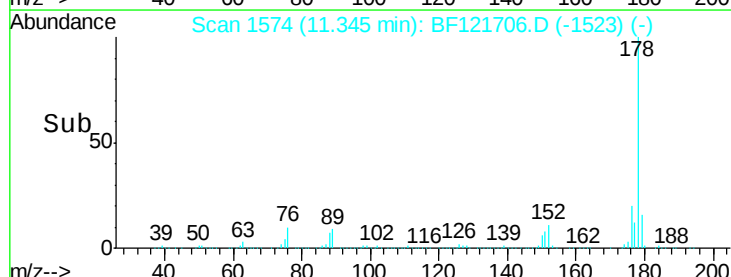
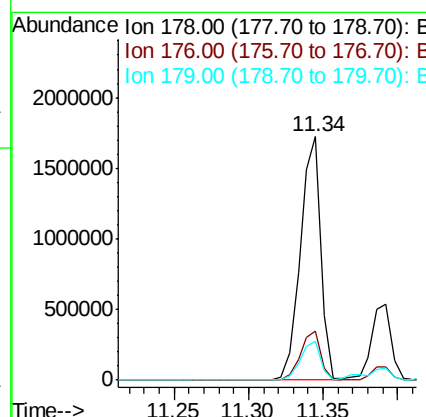
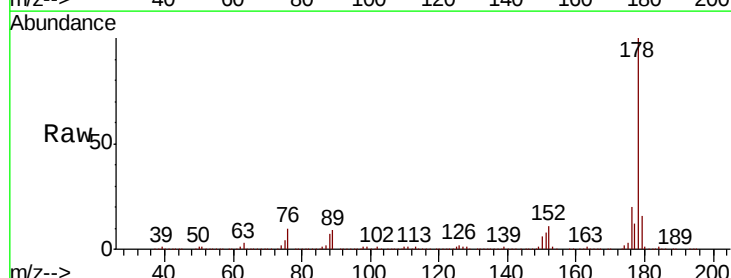
Manual Integrations
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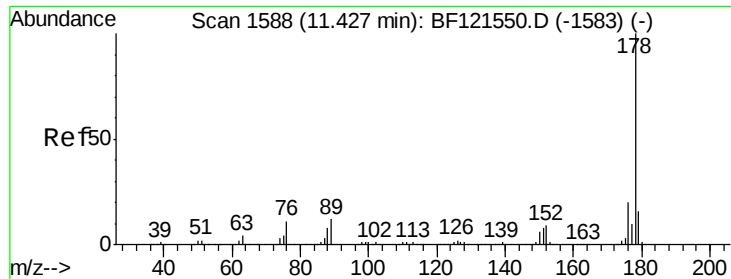
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#71
Phenanthrene
Concen: 48.828 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.4	16.2	24.4
179	15.7	12.5	18.7





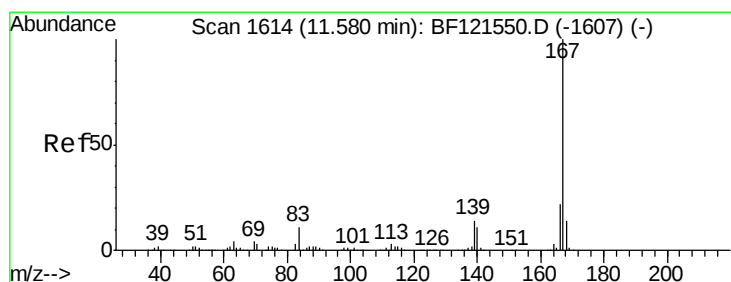
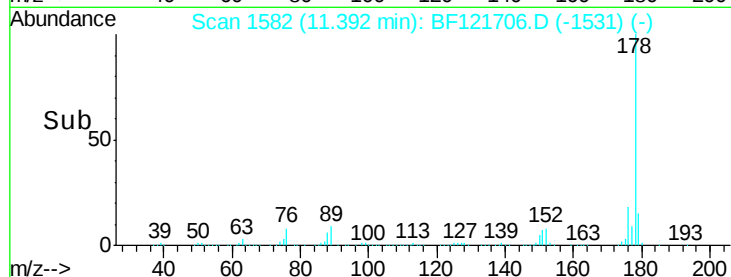
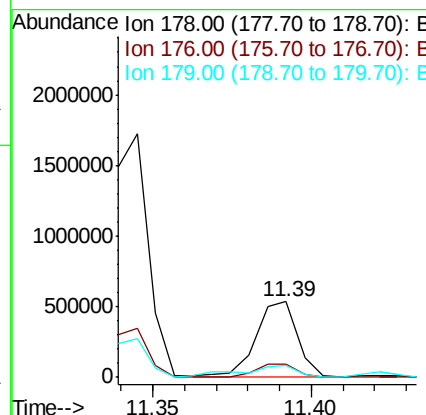
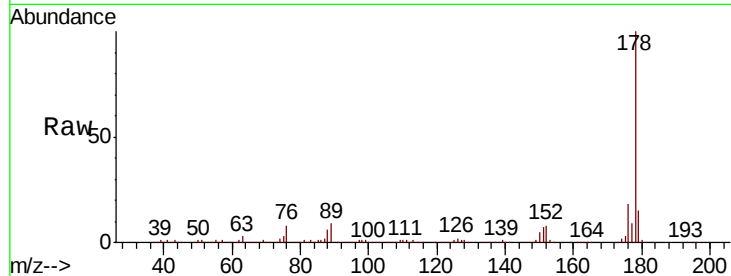
#72
 Anthracene
 Concen: 13.757 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF121706.D
 Acq: 28 Sep 2020 12:02

Instrument :
 BNA_F
 ClientSampleId :
 WR-PILE-1-2DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.0	12.7	19.1

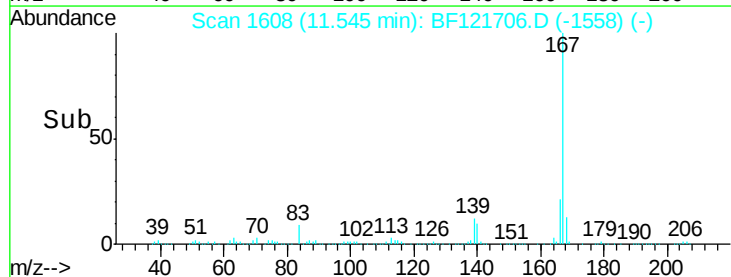
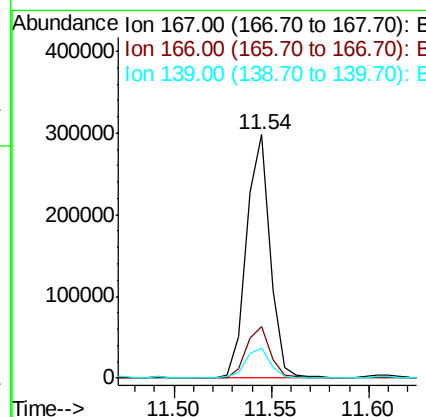
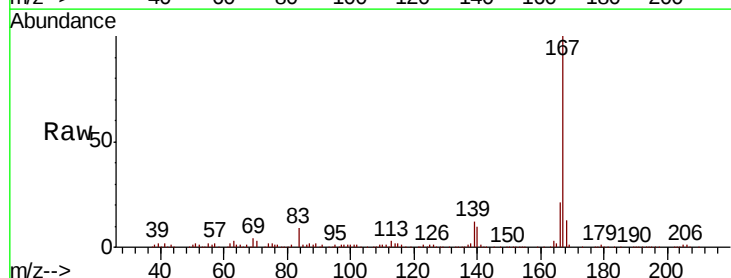
Manual Integrations
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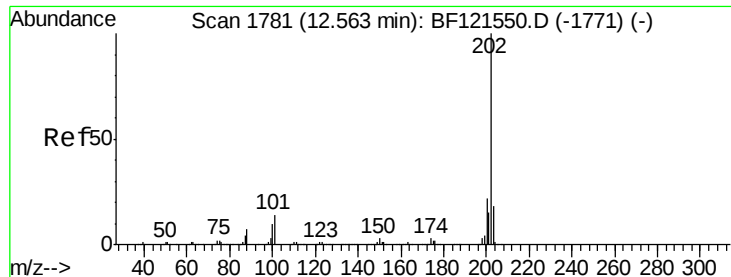
mohammad
 9/29/2020 3:24:11 PM



#73
 Carbazole
 Concen: 7.958 ng
 RT: 11.54 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF121706.D
 Acq: 28 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.6	26.4
139	12.3	10.7	16.1





#75

Fluoranthene

Concen: 54.469 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF121706.D

Acq: 28 Sep 2020 12:02

Instrument :

BNA_F

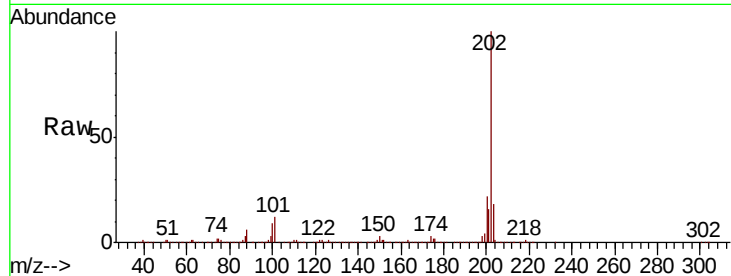
ClientSampleId :

WR-PILE-1-2DL

Tot Ion:	202	Resp:	1967361
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	33.7
203	18.3	0.0	38.5

Manual Integrations
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mohammad
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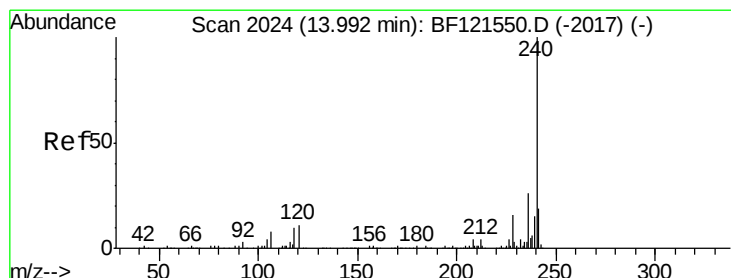
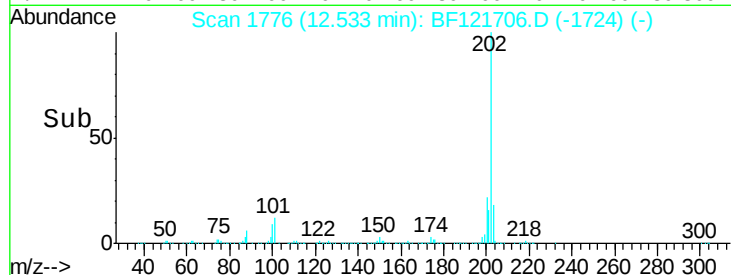
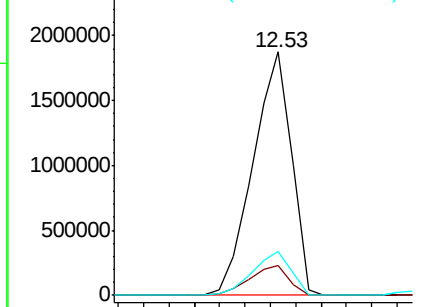


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF121706.D

Acq: 28 Sep 2020 12:02

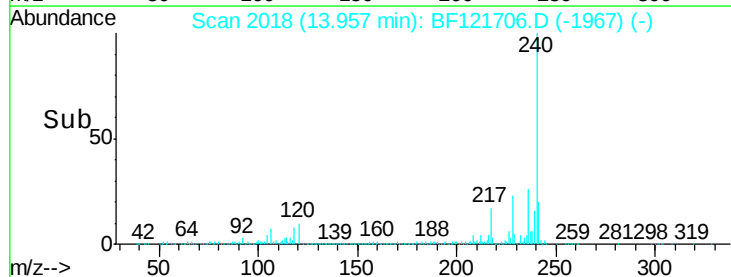
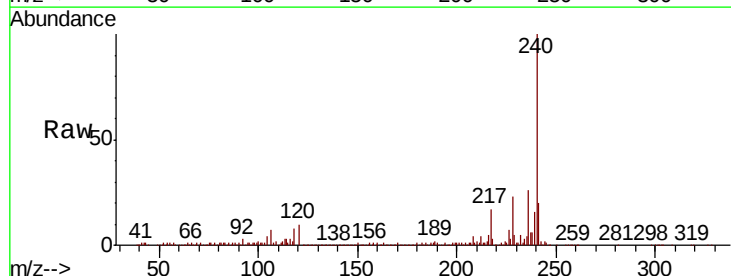
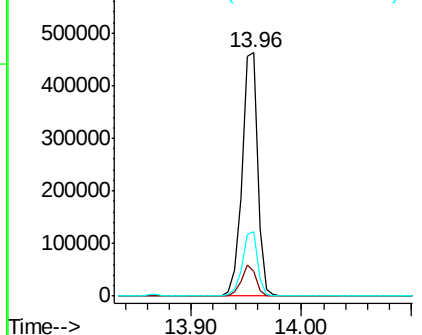
Tgt Ion:	240	Resp:	464256
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.1	13.7
236	26.3	20.6	30.8

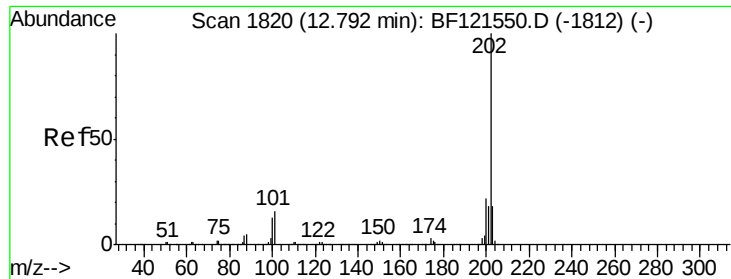
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 48.961 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF121706.D

Acq: 28 Sep 2020 12:02

Instrument :

BNA_F

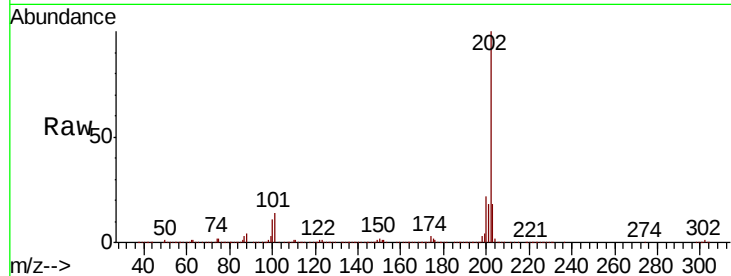
ClientSampleId :

WR-PILE-1-2DL

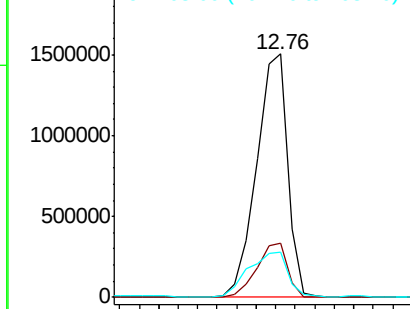
Tot Ion:202	Resp: 1660738
Ion Ratio	Lower Upper
202 100	
200 22.4	17.8 26.8
203 18.5	14.3 21.5

Manual Integrations
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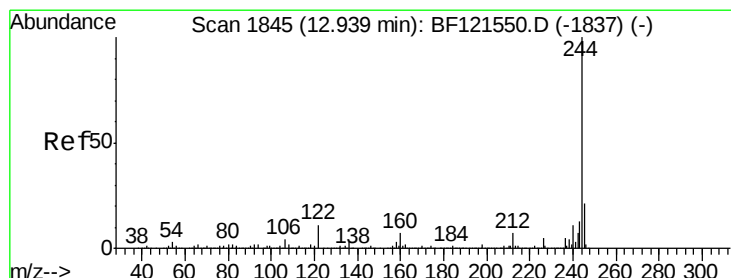
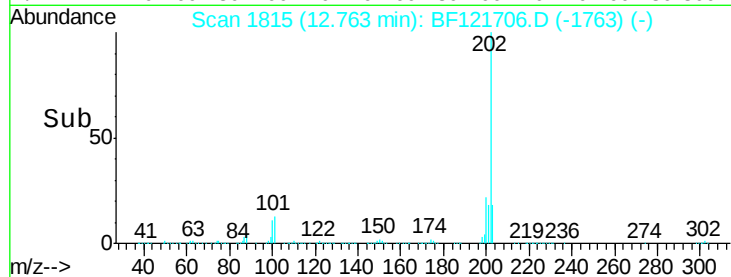
mohammad
9/29/2020 3:24:11 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 9.212 ng

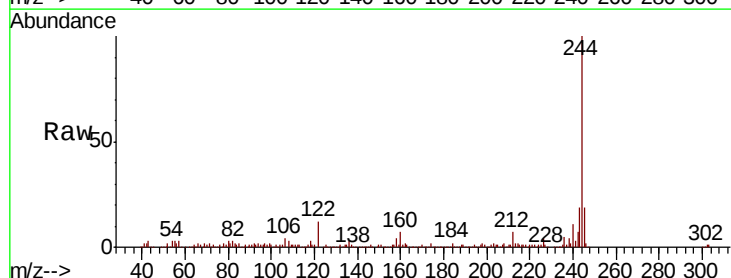
RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

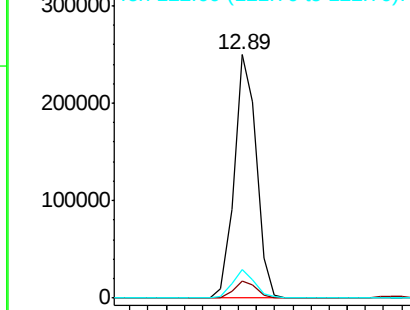
Lab File: BF121706.D

Acq: 28 Sep 2020 12:02

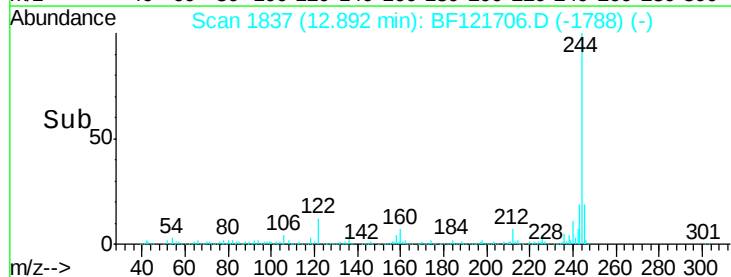
Tgt Ion:244	Resp: 211113
Ion Ratio	Lower Upper
244 100	
212 6.9	5.6 8.4
122 12.0	8.0 12.0#

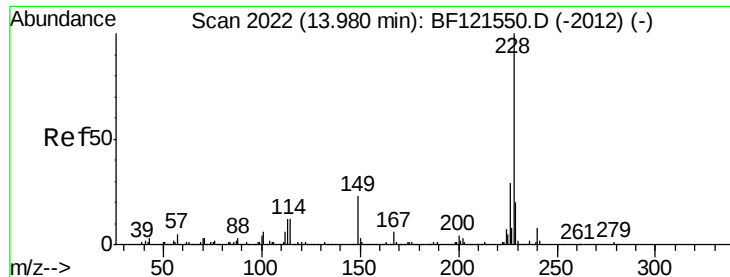


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





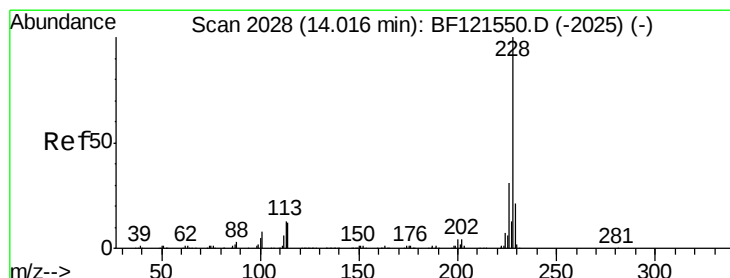
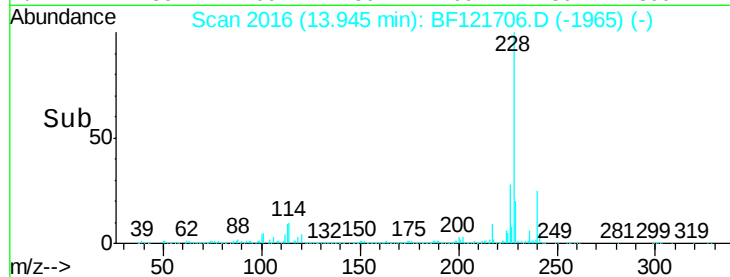
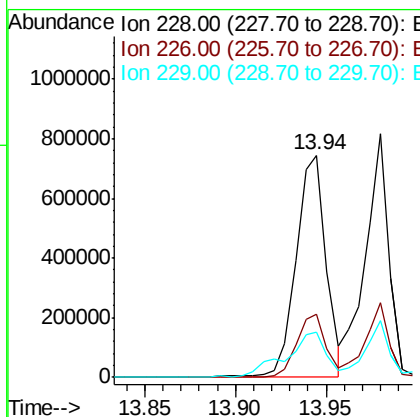
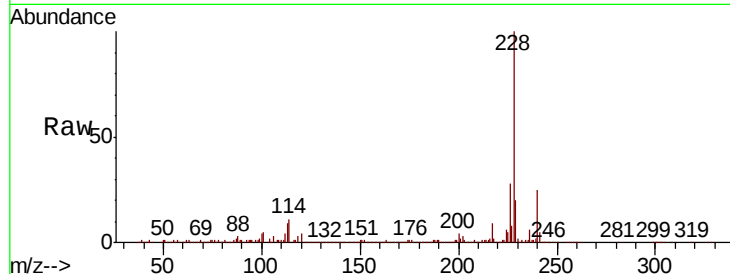
#81
Benzo(a)anthracene
Concen: 29.417 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Instrument :
BNA_F
ClientSampleId :
WR-PILE-1-2DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.5	33.7
229	20.4	16.2	24.4

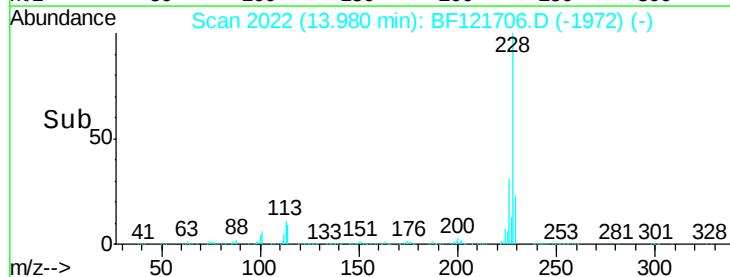
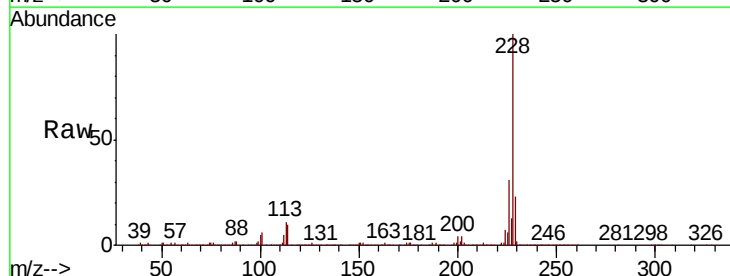
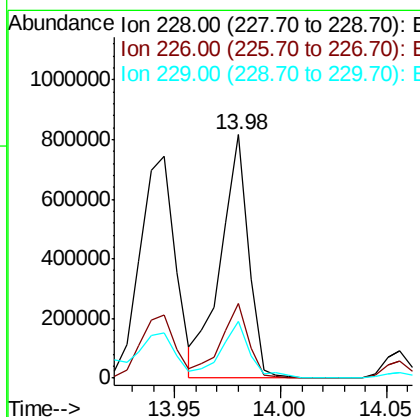
Manual Integrations
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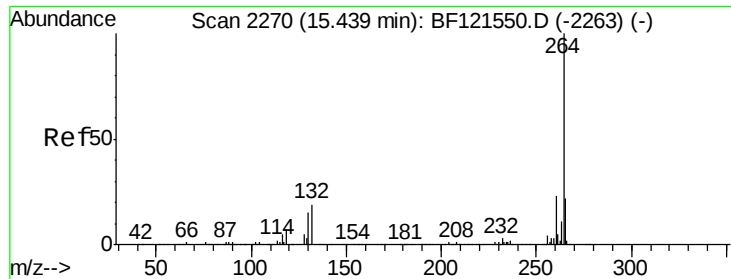
mohammad
9/29/2020 3:24:11 PM



#83
Chrysene
Concen: 24.937 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.4
229	23.1	16.0	24.0





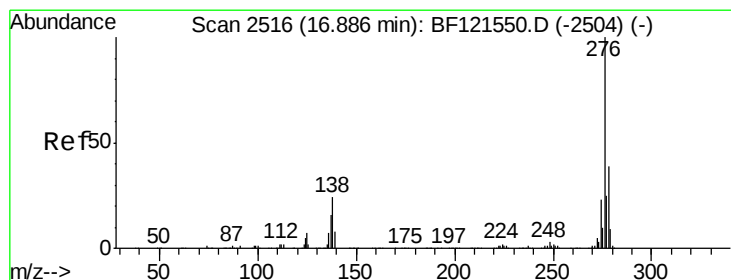
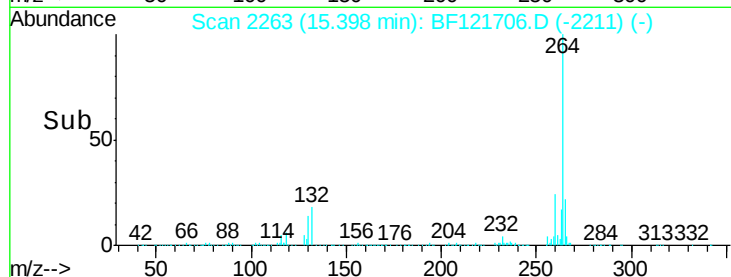
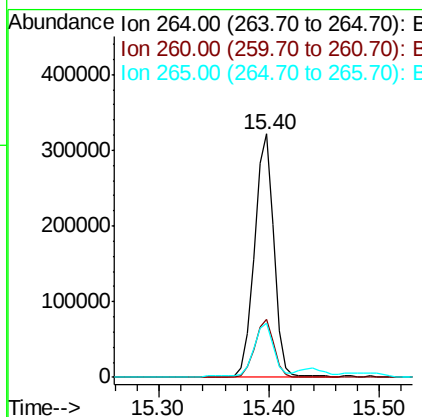
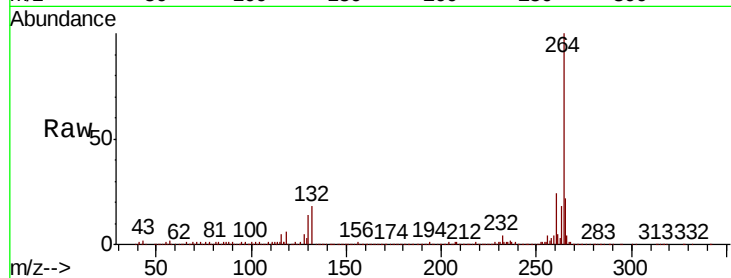
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Instrument :
BNA_F
ClientSampleId :
WR-PILE-1-2DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	22.3	17.2	25.8

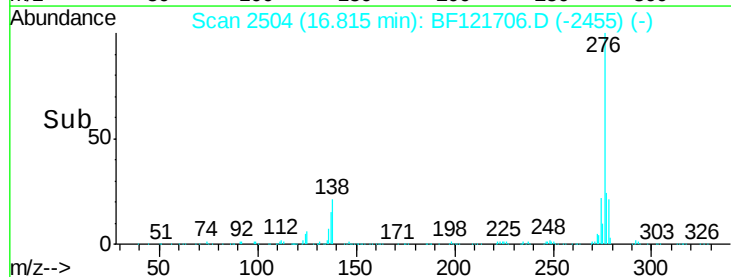
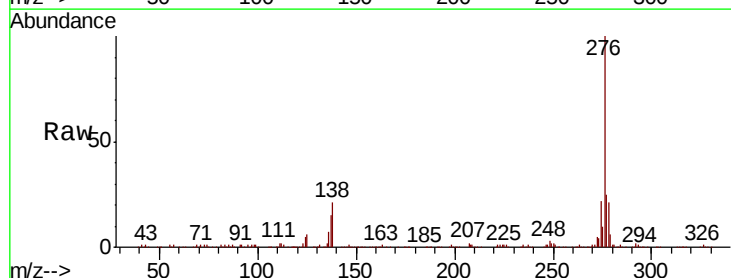
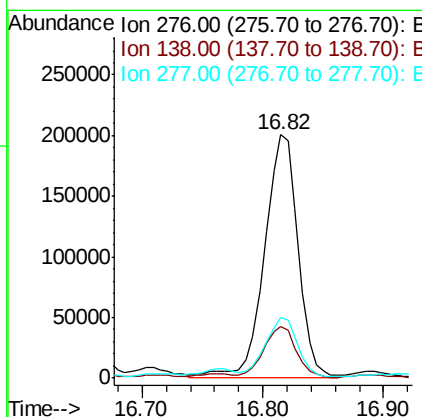
Manual Integrations
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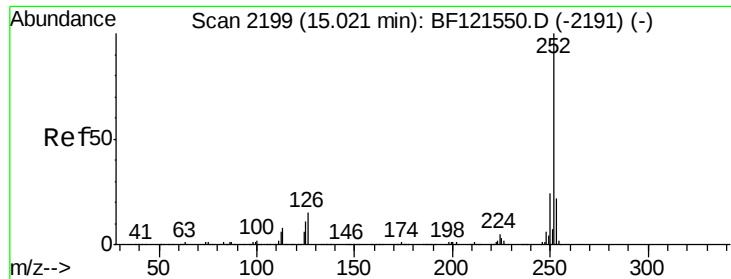
mohammad
9/29/2020 3:24:11 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.805 ng
RT: 16.82 min Scan# 2504
Delta R.T. -0.01 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.5	19.5	29.3
277	23.4	20.2	30.4





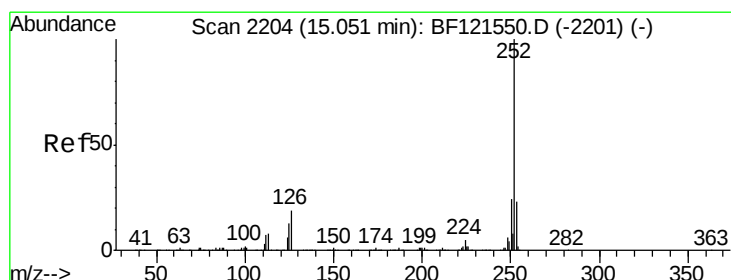
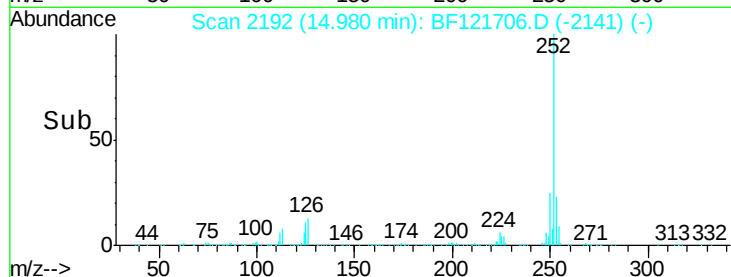
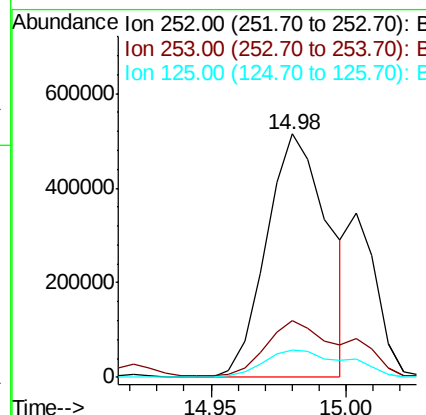
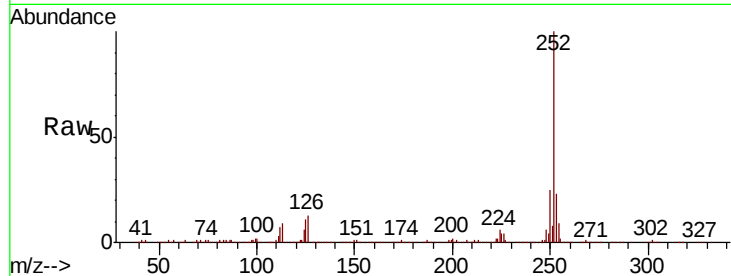
#88
Benzo(b)fluoranthene
Concen: 30.801 ng m
RT: 14.98 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Instrument :
BNA_F
ClientSampleId :
WR-PILE-1-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.3	8.6	13.0

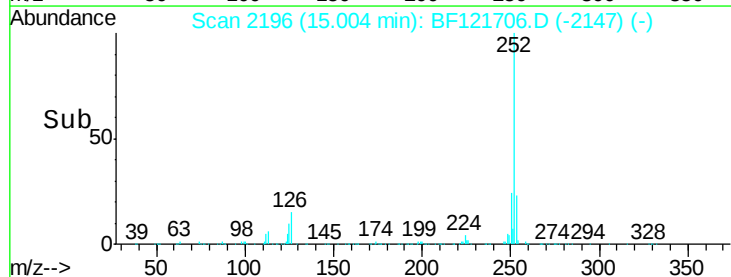
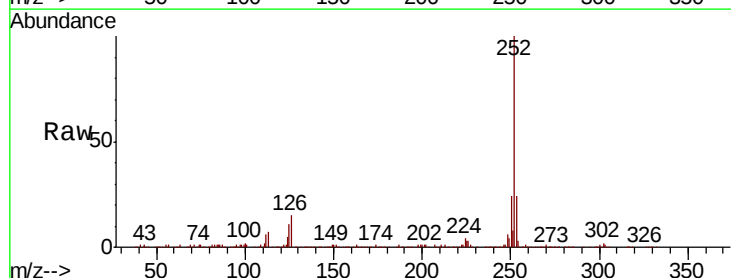
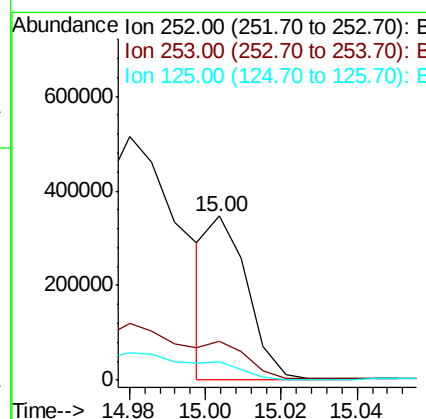
Manual Integrations
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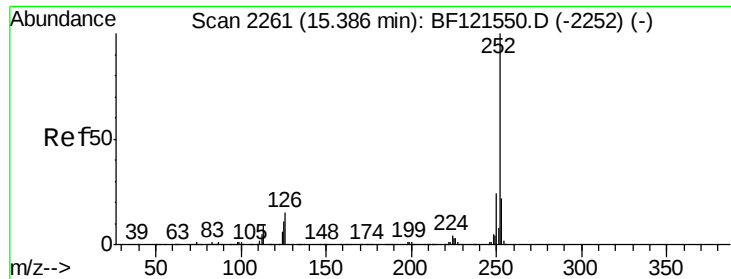
mohammad
9/29/2020 3:24:11 PM



#89
Benzo(k)fluoranthene
Concen: 10.052 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	10.8	7.1	10.7





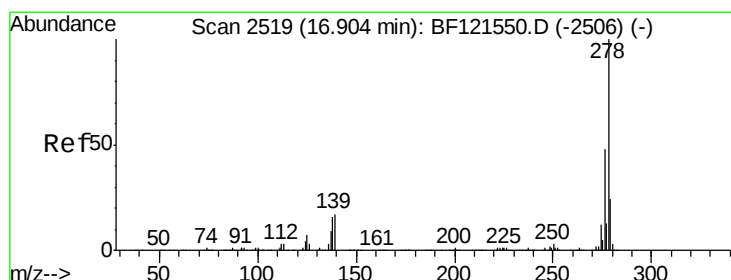
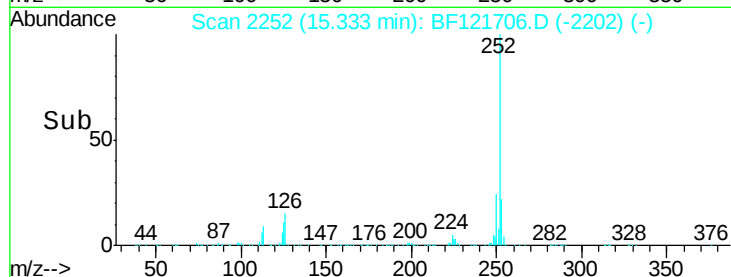
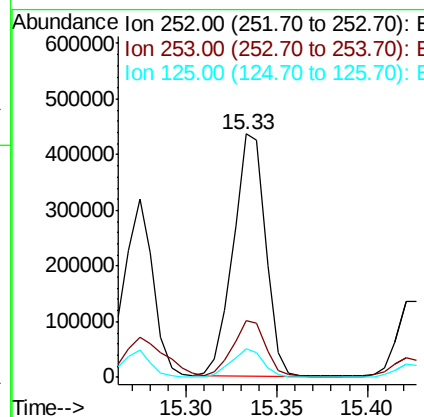
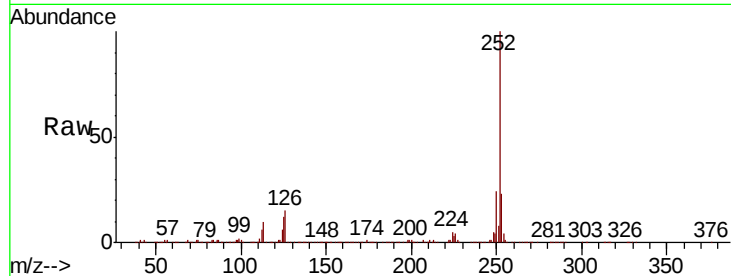
#90
Benzo(a)pyrene
Concen: 23.936 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Instrument :
BNA_F
ClientSampleId :
WR-PILE-1-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	11.9	9.2	13.8

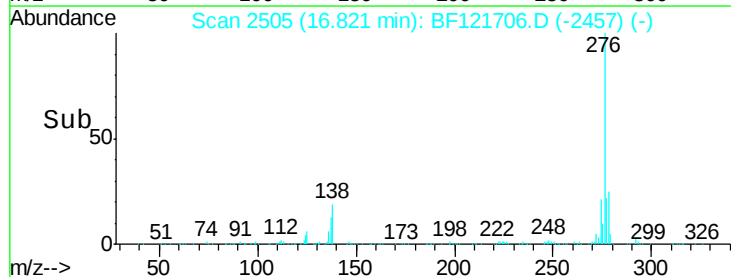
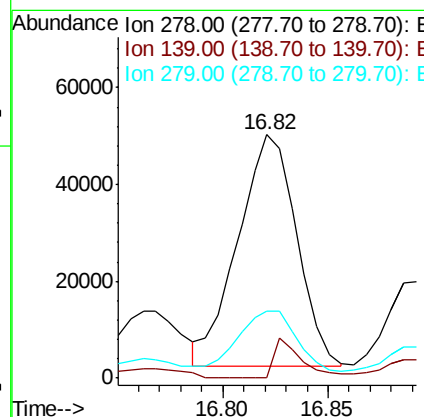
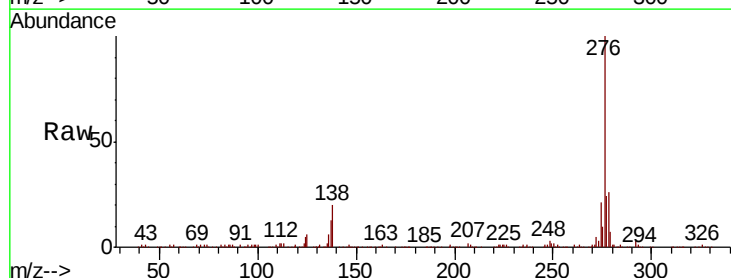
Manual Integrations
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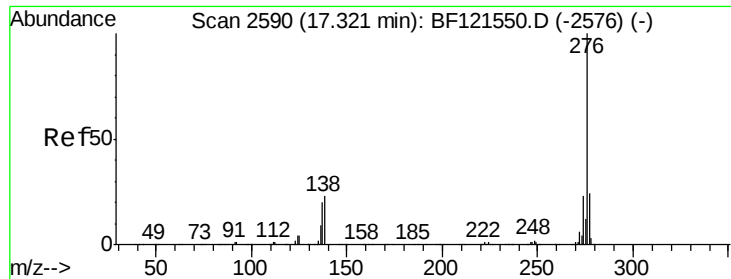
mohammad
9/29/2020 3:24:11 PM



#91
Dibenzo(a,h)anthracene
Concen: 4.252 ng m
RT: 16.82 min Scan# 2505
Delta R.T. -0.02 min
Lab File: BF121706.D
Acq: 28 Sep 2020 12:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	27.8	19.3	28.9





#92
 Benzo(a,h,i)perylene
 Concen: 16.308 ng
 RT: 17.24 min Scan# 2577
 Delta R.T. -0.01 min
 Lab File: BF121706.D
 Acq: 28 Sep 2020 12:02

Instrument :
 BNA_F
 ClientSampleId :
 WR-PILE-1-2DL

Tot Ion:	276	Resp:	346674
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.8	28.2
138	20.5	16.6	25.0

Manual Integrations
 APPROVED

mohammad
 9/29/2020 3:24:11 PM

