

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121705.D
 Acq On : 28 Sep 2020 11:31
 Operator : JU/CG
 Sample : L4152-02DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WR-PILE-3-4DL

Manual Integrations
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Quant Time: Sep 28 12:31:51 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	163589	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	642801	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	335819	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	663635	20.00	ng	0.00
76) Chrysene-d12	13.96	240	515934	20.00	ng	0.00
86) Perylene-d12	15.40	264	432411	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	32957	2.99	ng	0.00
7) Phenol-d6	6.43	99	92081	6.38	ng	-0.01
23) Nitrobenzene-d5	7.35	82	82145	6.86	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	1190	0.29	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	171482	7.73	ng	0.00
79) Terphenyl-d14	12.89	244	202238	7.94	ng	-0.01

Target Compounds				Qvalue		
52) Acenaphthene	9.86	154	93946	4.569	ng	99
55) Dibenzofuran	10.03	168	115803	4.000	ng	93
58) Fluorene	10.37	166	139589	6.304	ng	100
71) Phenanthrene	11.35	178	1696655	46.924	ng	100
72) Anthracene	11.39	178	505129	13.538	ng	99
73) Carbazole	11.55	167	180853	5.371	ng	98
75) Fluoranthene	12.53	202	2235999	57.931	ng	99
78) Pyrene	12.76	202	1893441	50.230	ng	99
81) Benzo(a)anthracene	13.94	228	1088703	33.354	ng	99
83) Chrysene	13.98	228	853947	25.836	ng	97
87) Indeno(1,2,3-cd)pyrene	16.82	276	418187	14.850	ng	95
88) Benzo(b)fluoranthene	14.99	252	938431m	32.464	ng	
89) Benzo(k)fluoranthene	15.00	252	329205m	12.436	ng	
90) Benzo(a)pyrene	15.34	252	638599	25.989	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	99215m	4.232	ng	
92) Benzo(g,h,i)perylene	17.24	276	378363	16.420	ng	99

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

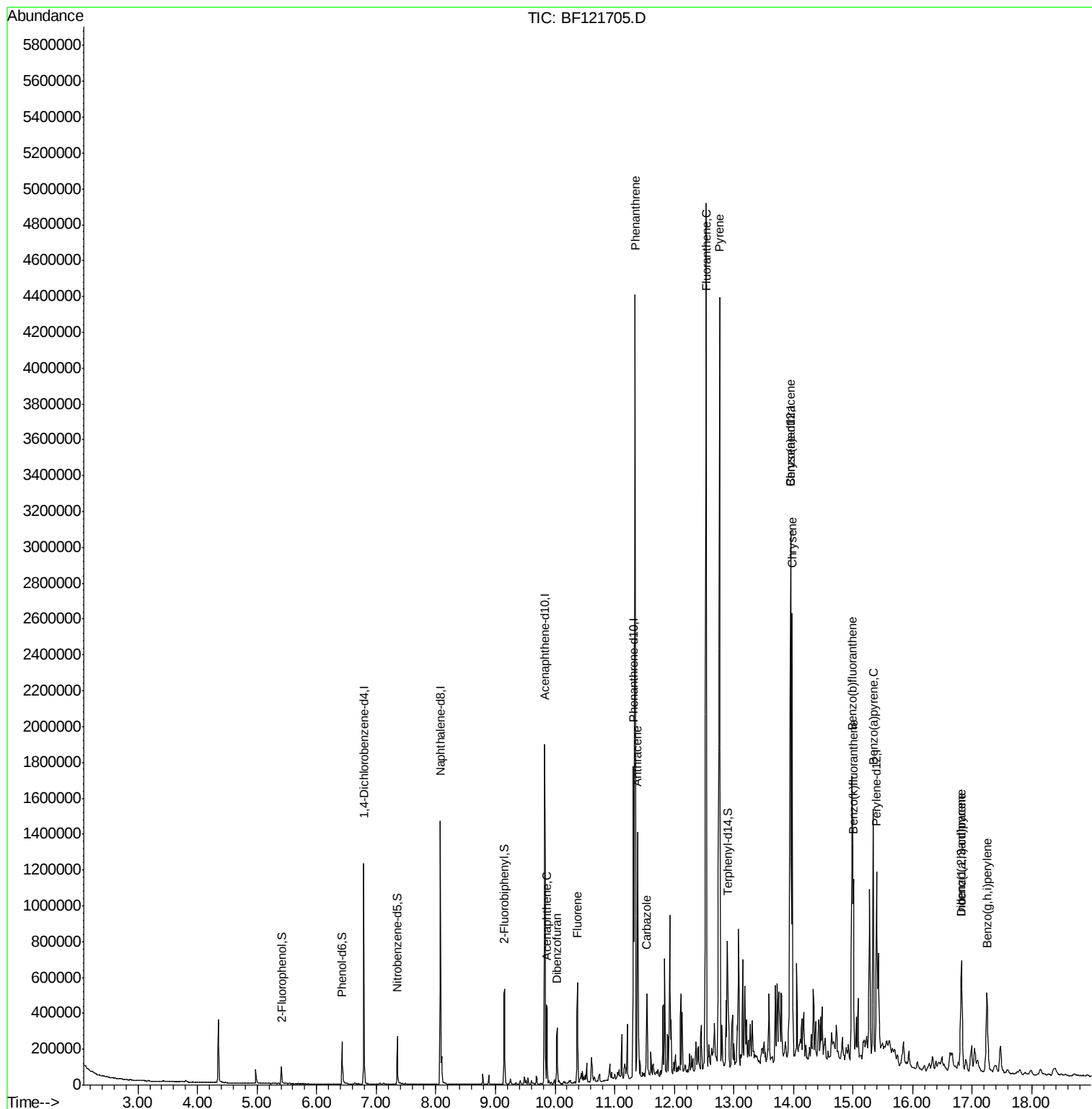
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
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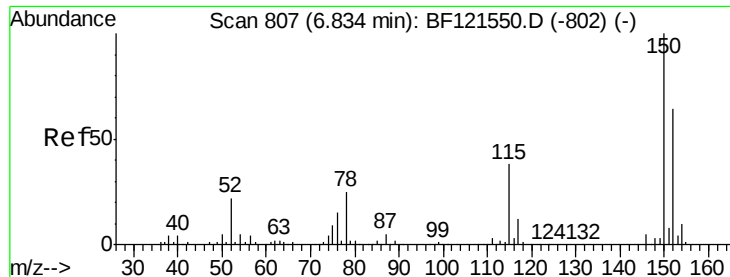
Instrument :
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Quant Time: Sep 28 12:31:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

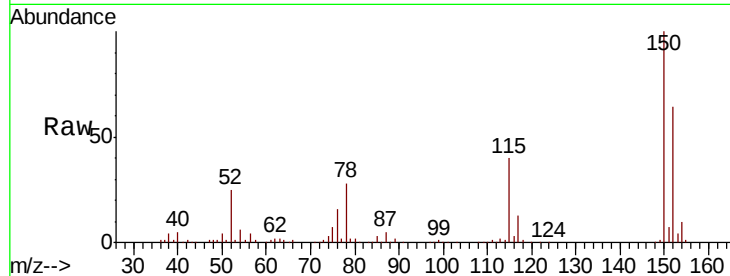
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF121705.D
Acq: 28 Sep 2020 11:31

Instrument :
BNA_F
ClientSampleId :
WR-PILE-3-4DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	122.6	184.0
115	62.9	47.1	70.7

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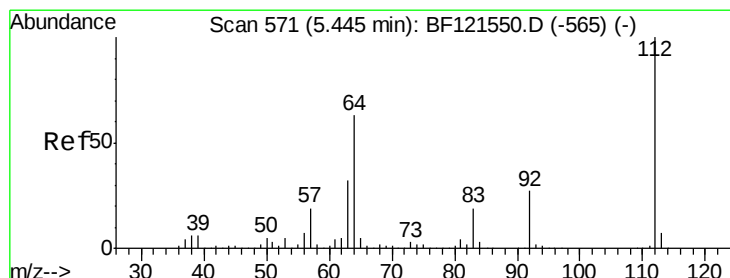
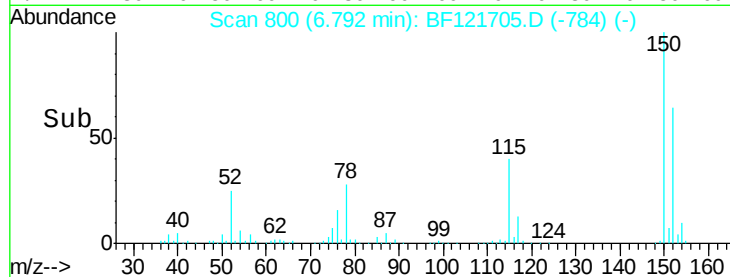
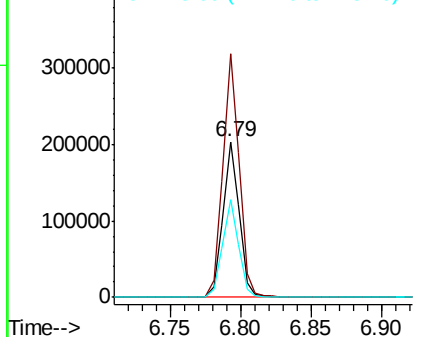


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

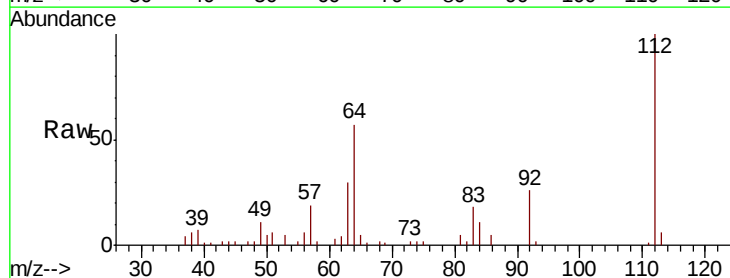
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 2.994 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121705.D
Acq: 28 Sep 2020 11:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	49.5	74.3
63	29.7	25.4	38.0

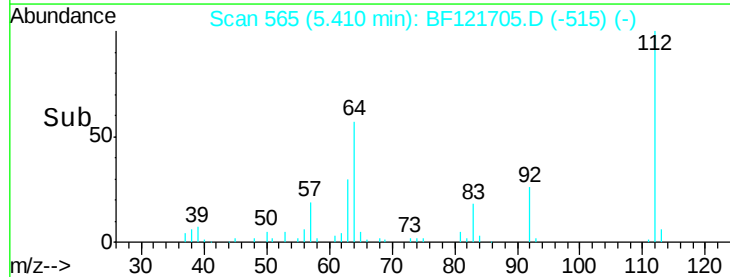
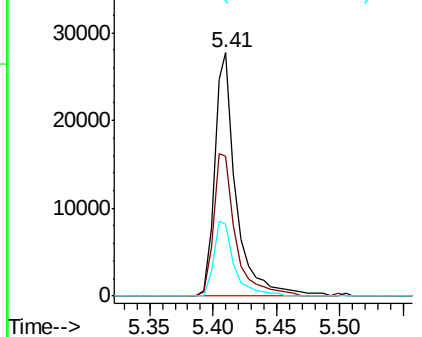


Abundance

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: 6.376 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF121705.D

Acq: 28 Sep 2020 11:31

Instrument :

BNA_F

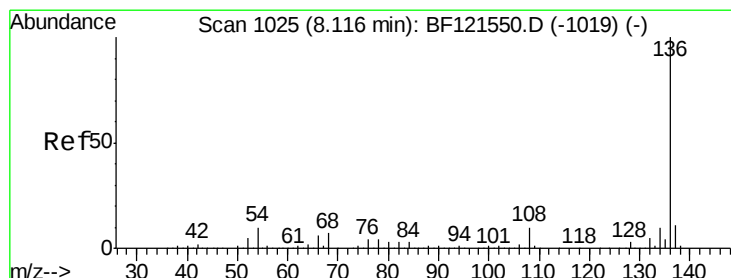
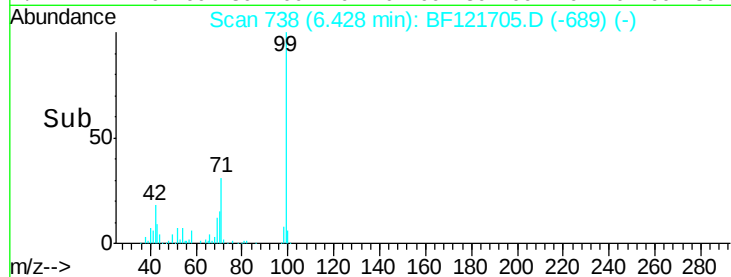
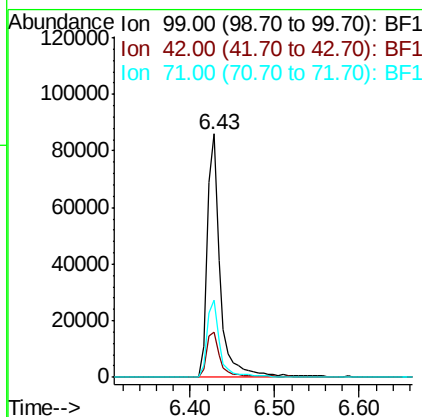
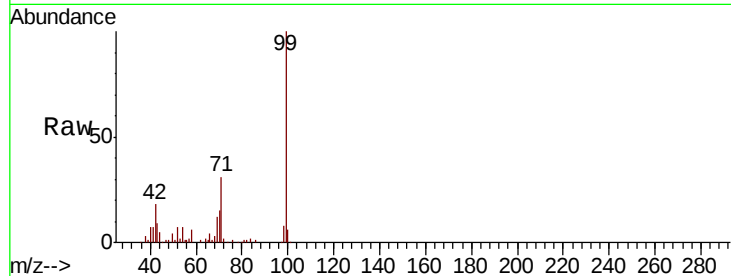
ClientSampleId :

WR-PILE-3-4DL

Tot Ion:	99	Resp:	92081
Ion Ratio	Lower	Upper	
99	100		
42	18.4	16.1	24.1
71	31.5	27.6	41.4

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#21

Naphthalene-d8

Concen: 20.000 ng

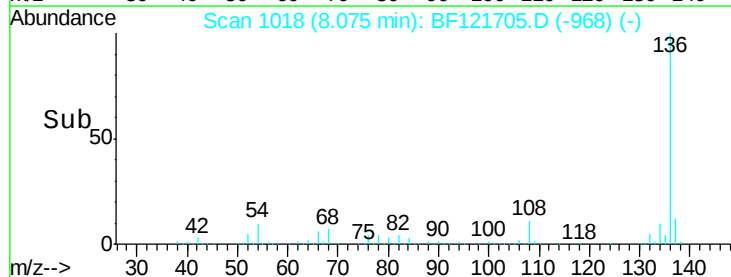
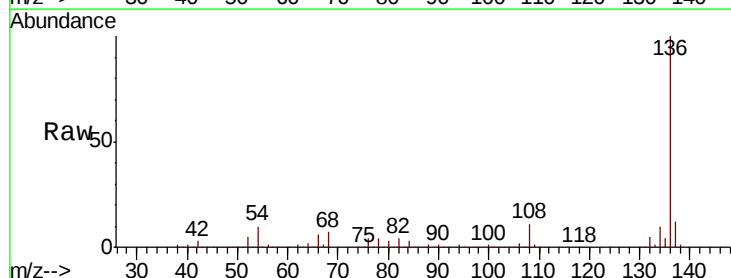
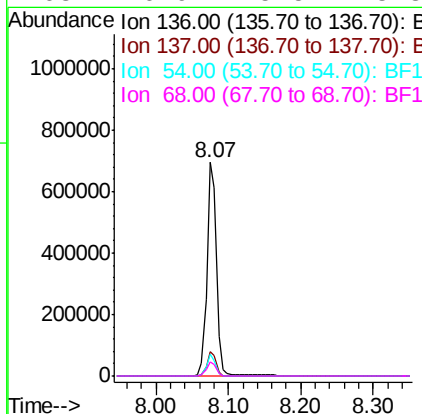
RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121705.D

Acq: 28 Sep 2020 11:31

Tgt Ion:	136	Resp:	642801
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.8	13.2
54	10.2	7.5	11.3
68	6.9	5.5	8.3





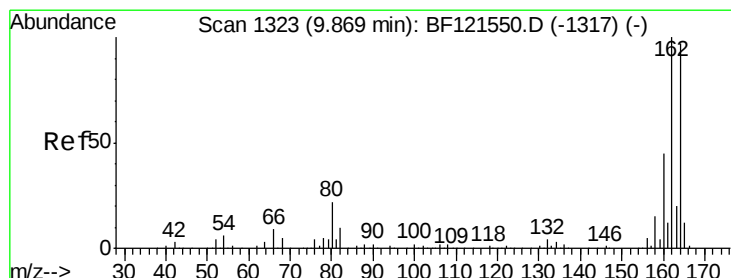
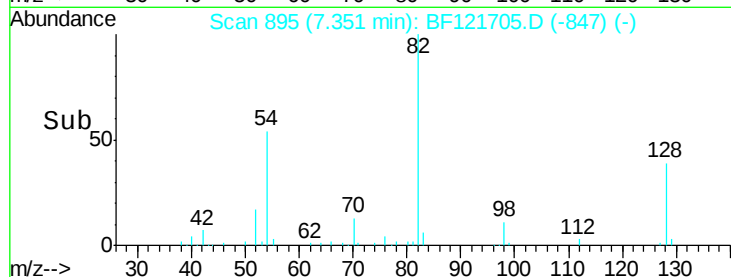
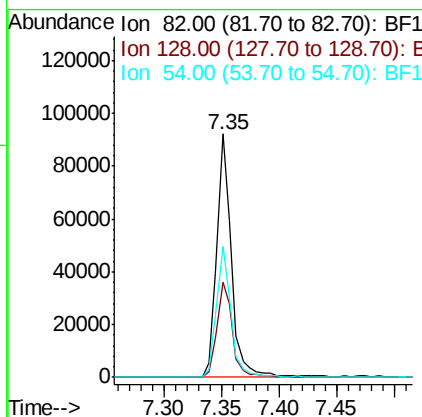
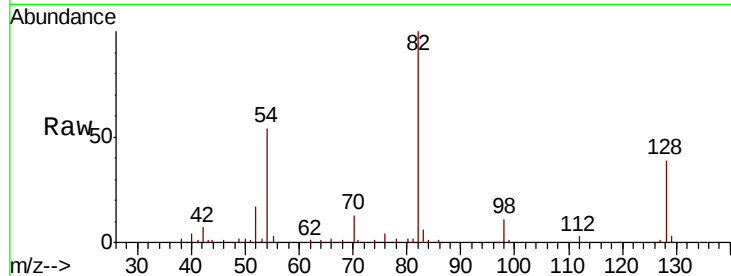
#23
 Nitrobenzene-d5
 Concen: 6.861 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: BF121705.D
 Acq: 28 Sep 2020 11:31

Instrument :
 BNA_F
 ClientSampleId :
 WR-PILE-3-4DL

Tot Ion:	82	Resp:	82145
Ion Ratio	Lower	Upper	
82	100		
128	39.1	35.8	53.6
54	53.6	42.6	63.8

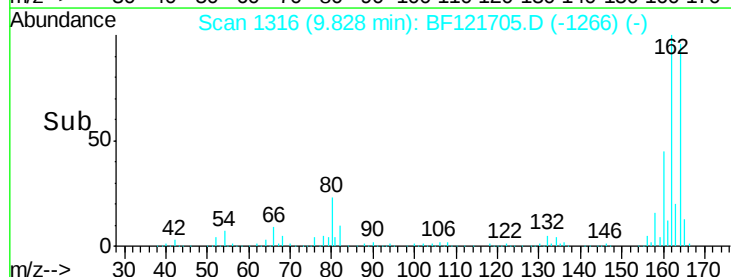
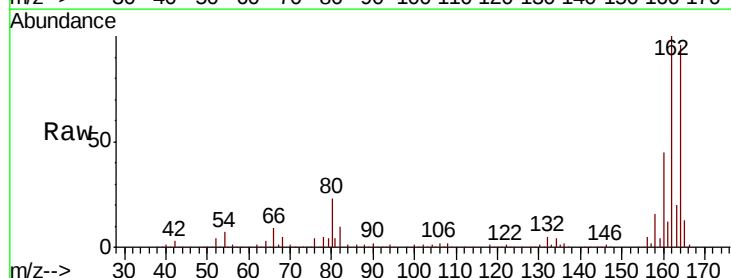
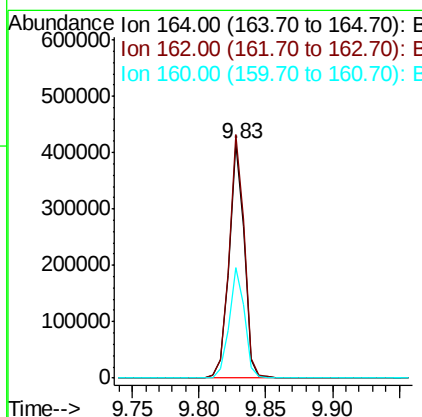
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF121705.D
 Acq: 28 Sep 2020 11:31

Tgt Ion:	164	Resp:	335819
Ion Ratio	Lower	Upper	
164	100		
162	104.0	82.1	123.1
160	47.0	36.8	55.2





#42

2,4,6-Tribromophenol

Concen: 0.285 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF121705.D

Acq: 28 Sep 2020 11:31

Instrument :

BNA_F

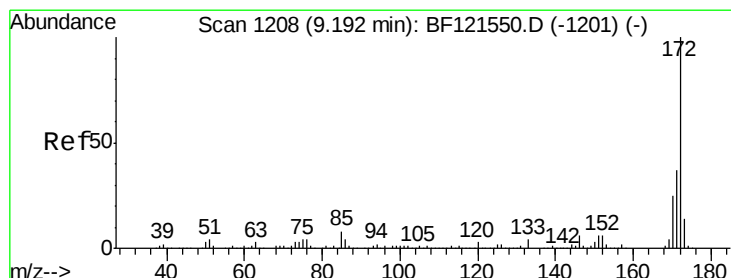
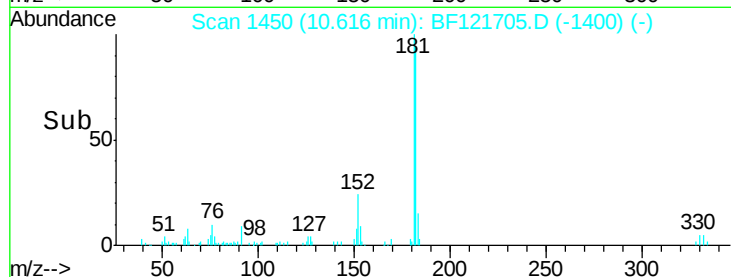
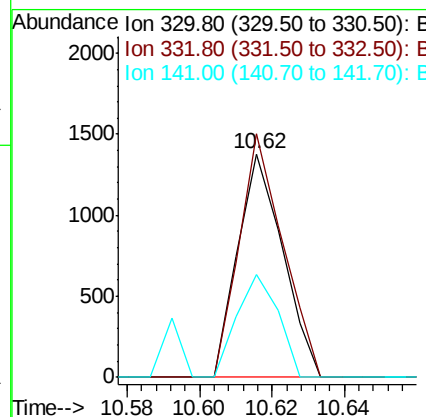
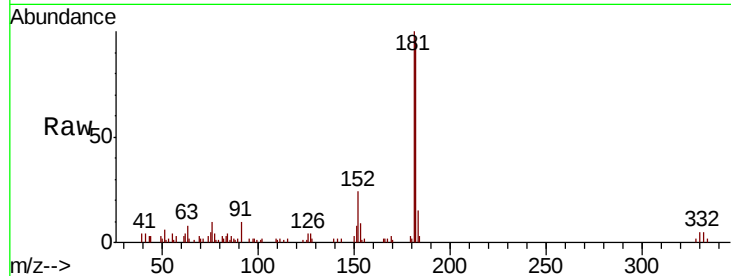
ClientSampleId :

WR-PILE-3-4DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	106.1	76.0	114.0
141	42.2	22.2	33.4

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#45

2-Fluorobiphenyl

Concen: 7.734 ng

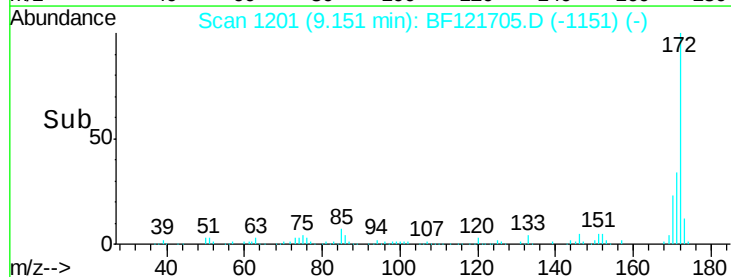
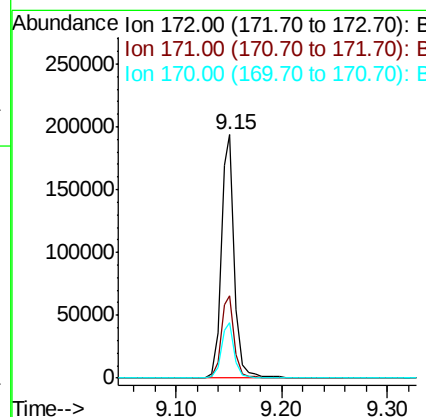
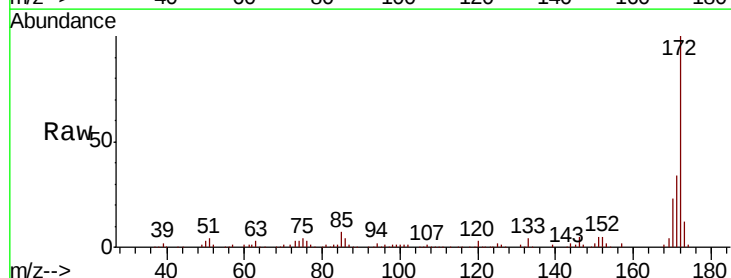
RT: 9.15 min Scan# 1201

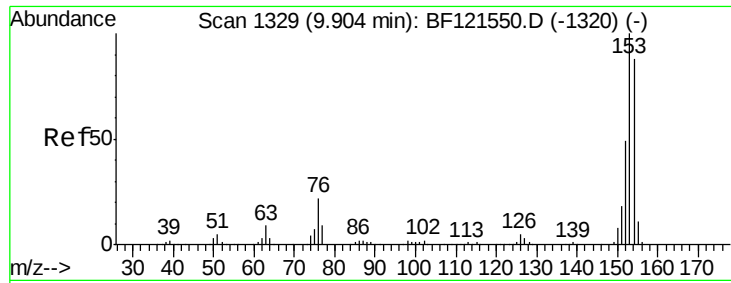
Delta R.T. -0.01 min

Lab File: BF121705.D

Acq: 28 Sep 2020 11:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	29.0	43.6
170	22.9	19.5	29.3





#52

Acenaphthene

Concen: 4.569 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF121705.D

Acq: 28 Sep 2020 11:31

Instrument :

BNA_F

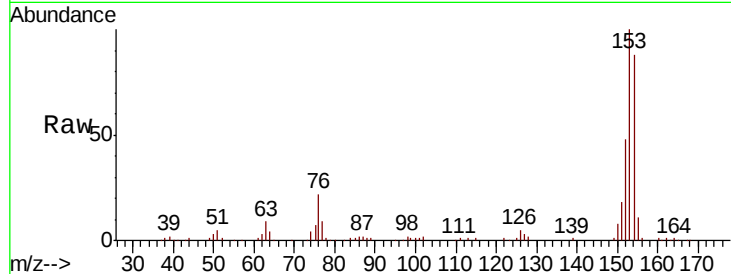
ClientSampleId :

WR-PILE-3-4DL

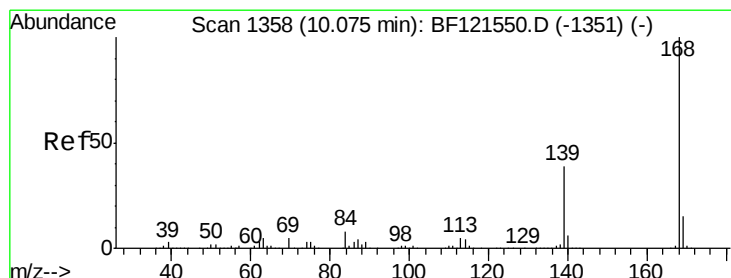
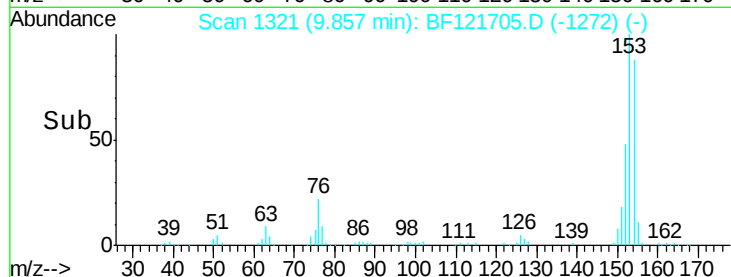
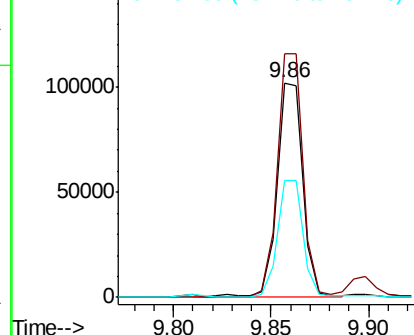
Tot Ion:	154	Resp:	93946
Ion Ratio	Lower	Upper	
154	100		
153	113.3	91.7	137.5
152	54.4	44.0	66.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 4.000 ng

RT: 10.03 min Scan# 1351

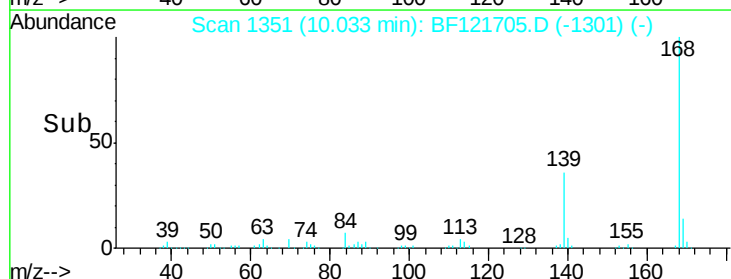
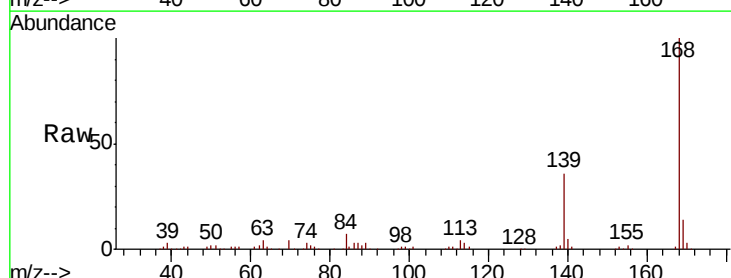
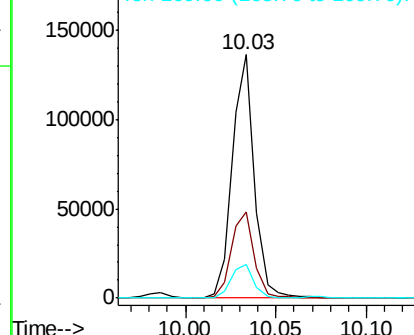
Delta R.T. -0.01 min

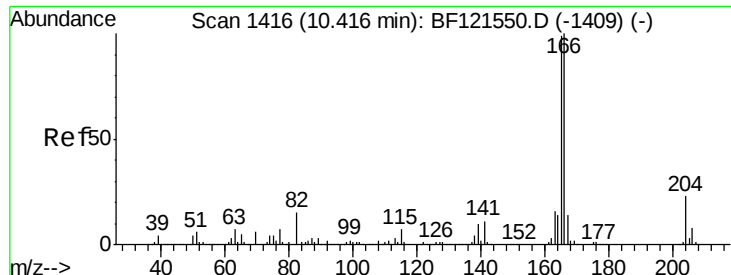
Lab File: BF121705.D

Acq: 28 Sep 2020 11:31

Tgt Ion:	168	Resp:	115803
Ion Ratio	Lower	Upper	
168	100		
139	35.5	32.6	49.0
169	13.6	11.7	17.5

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





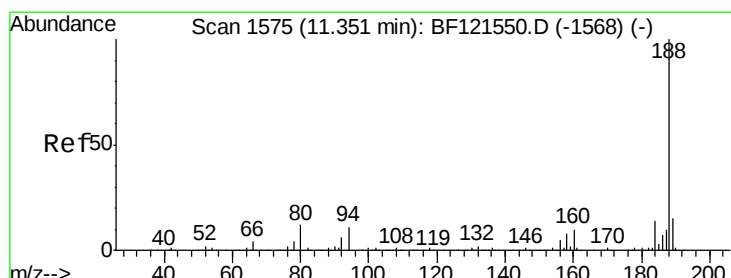
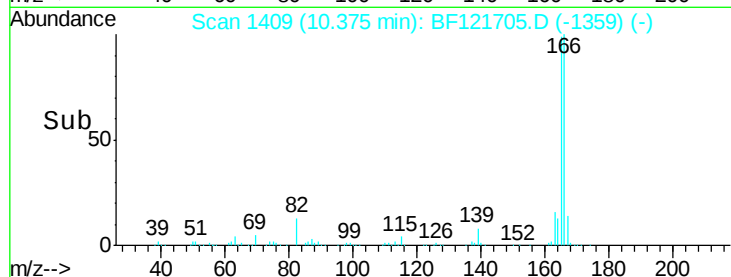
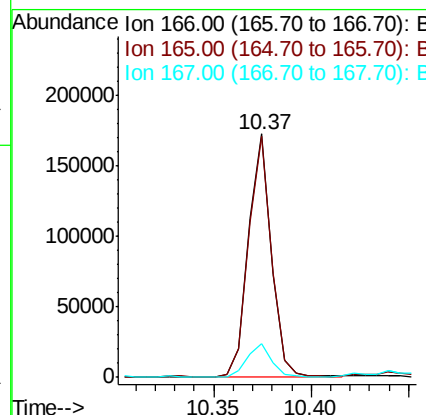
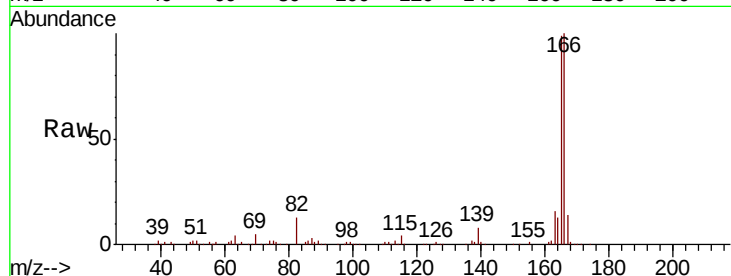
#58
Fluorene
 Concen: 6.304 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF121705.D
 Acq: 28 Sep 2020 11:31

Instrument :
 BNA_F
 ClientSampleId :
 WR-PILE-3-4DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.8	118.2
167	13.7	11.0	16.4

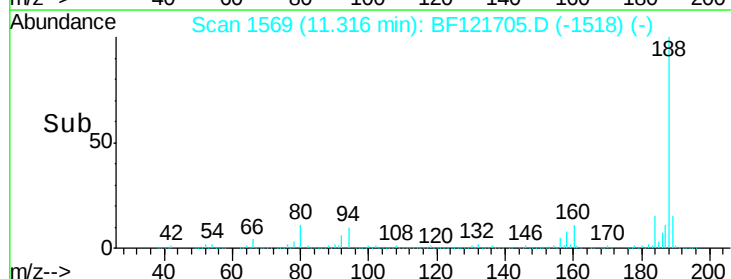
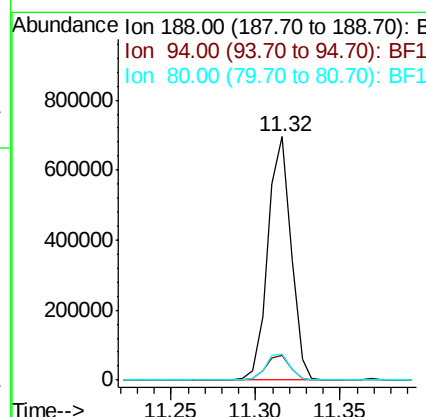
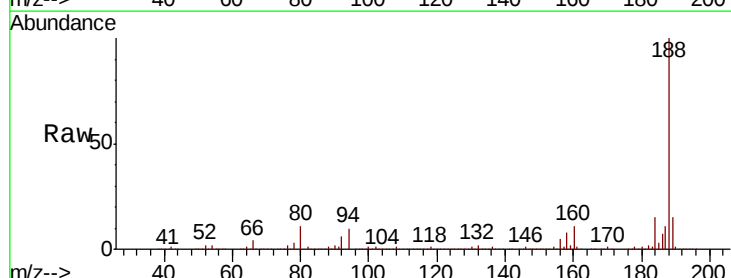
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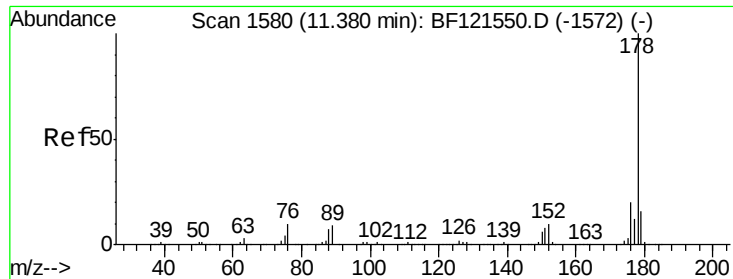
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF121705.D
 Acq: 28 Sep 2020 11:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.4	12.6
80	10.8	9.3	13.9





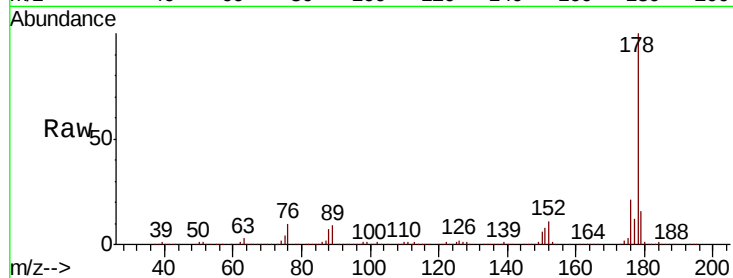
#71
Phenanthrene
Concen: 46.924 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF121705.D
Acq: 28 Sep 2020 11:31

Instrument :
BNA_F
ClientSampleId :
WR-PILE-3-4DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.2	24.4
179	15.7	12.5	18.7

Manual Integrations
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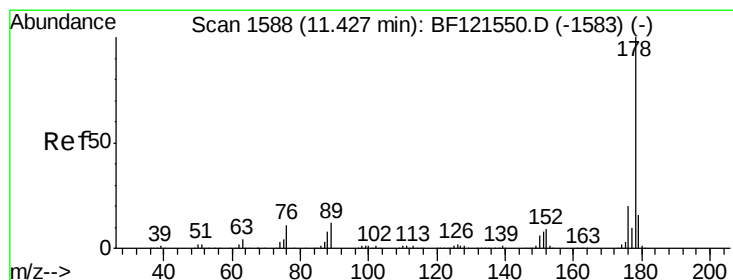
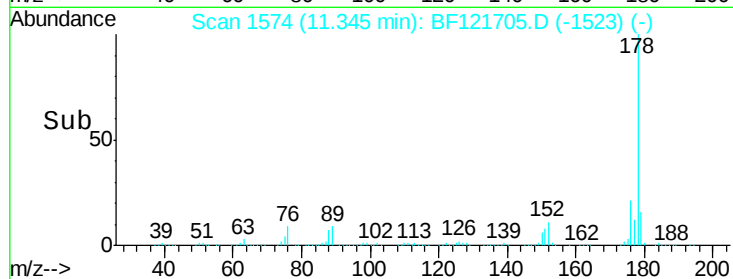
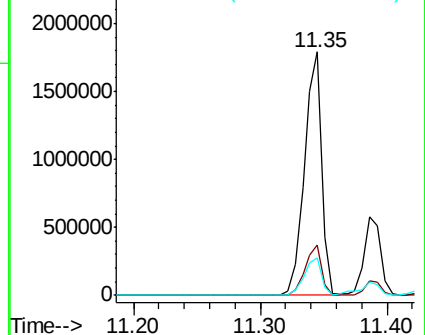


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 13.538 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF121705.D
Acq: 28 Sep 2020 11:31

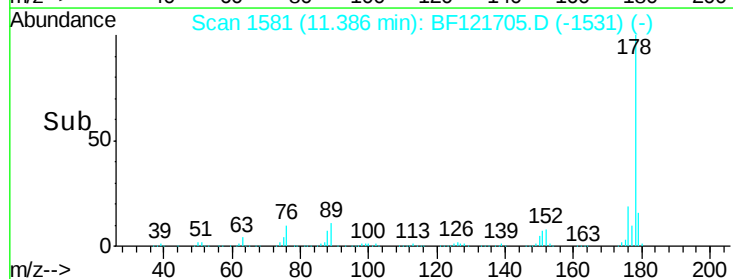
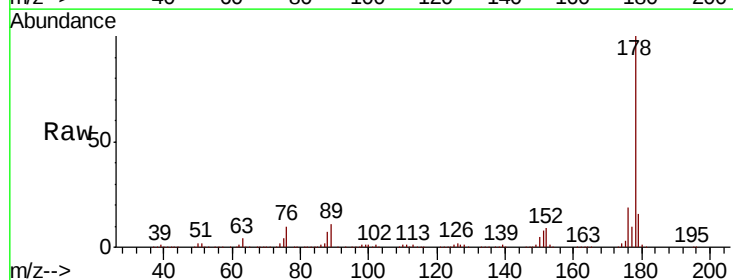
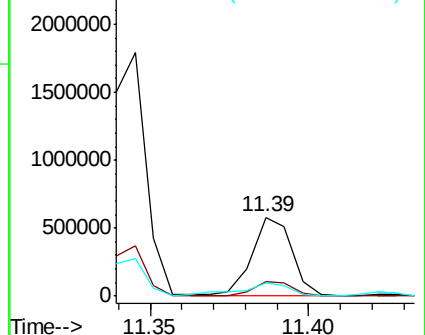
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	16.1	12.7	19.1

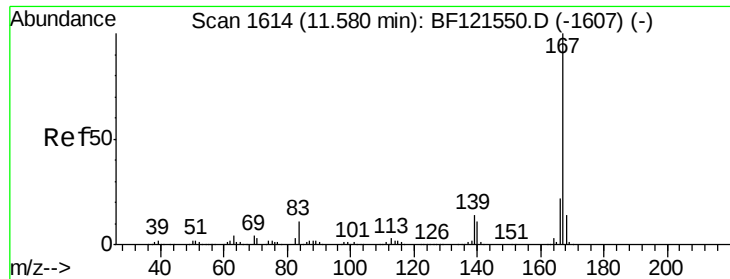
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 5.371 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF121705.D

Acq: 28 Sep 2020 11:31

Instrument :

BNA_F

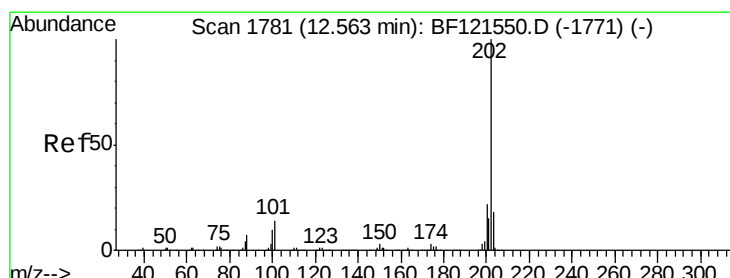
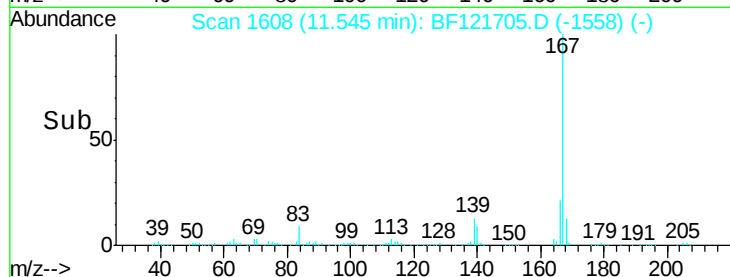
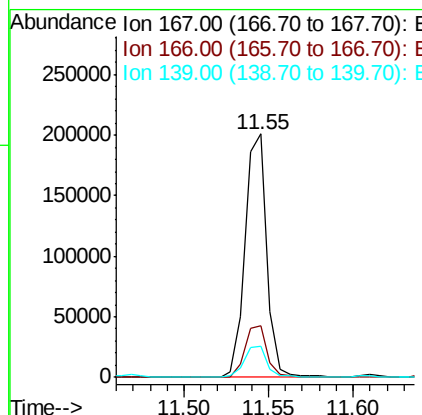
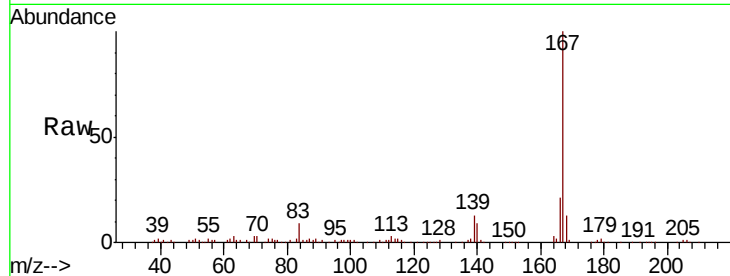
ClientSampleId :

WR-PILE-3-4DL

Tot Ion:	167	Resp:	180853
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.6	26.4
139	12.8	10.7	16.1

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#75

Fluoranthene

Concen: 57.931 ng

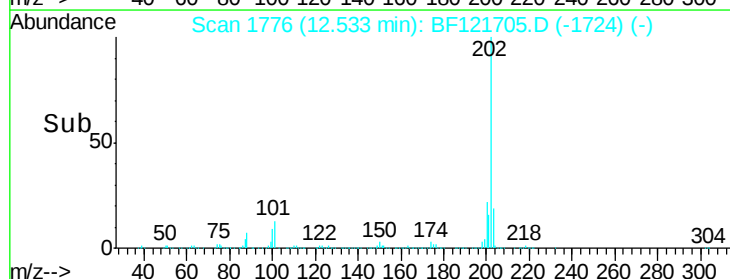
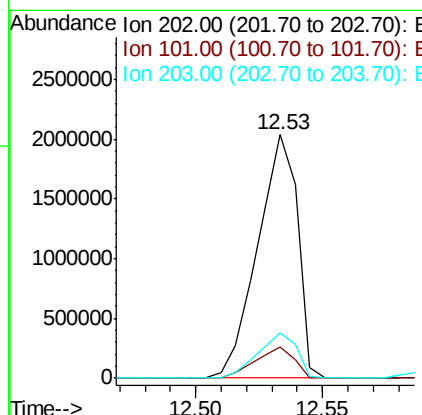
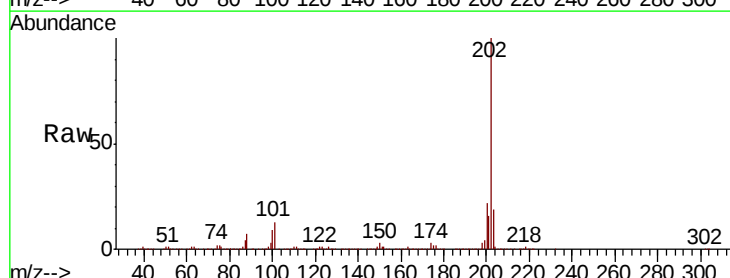
RT: 12.53 min Scan# 1776

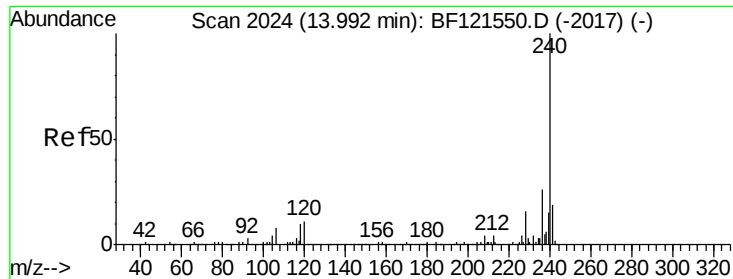
Delta R.T. 0.01 min

Lab File: BF121705.D

Acq: 28 Sep 2020 11:31

Tgt Ion:	202	Resp:	2235999
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	33.7
203	18.6	0.0	38.5





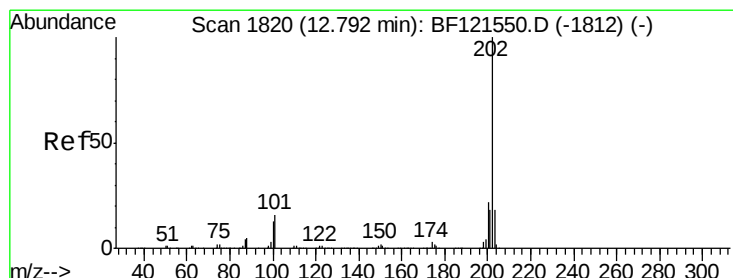
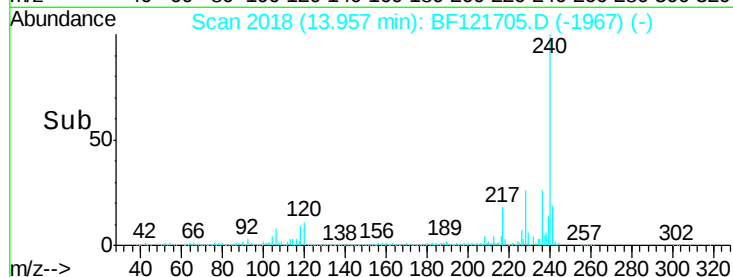
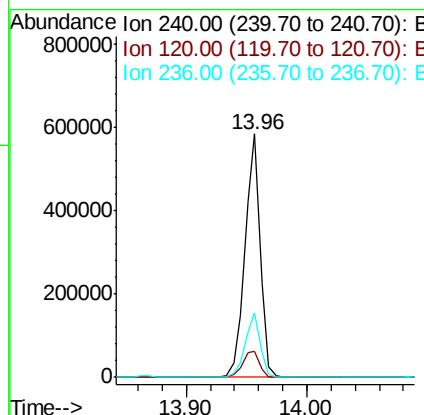
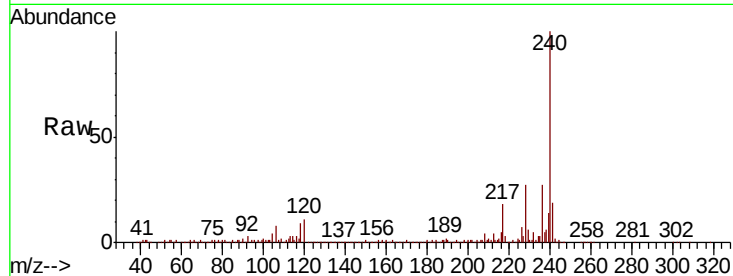
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF121705.D
Acq: 28 Sep 2020 11:31

Instrument :
BNA_F
ClientSampleId :
WR-PILE-3-4DL

Tot Ion:	240	Resp:	515934
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.1	13.7
236	26.5	20.6	30.8

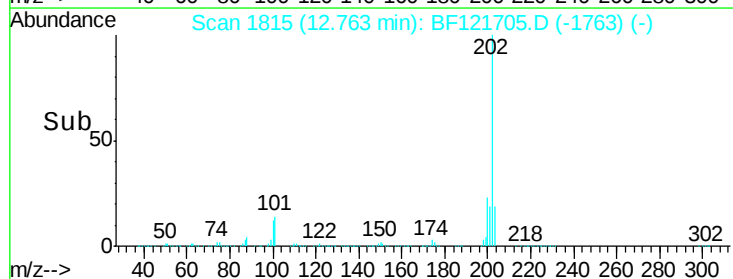
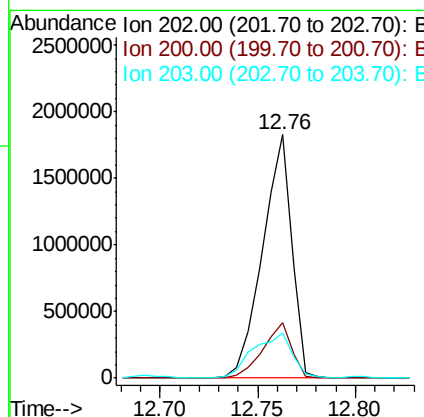
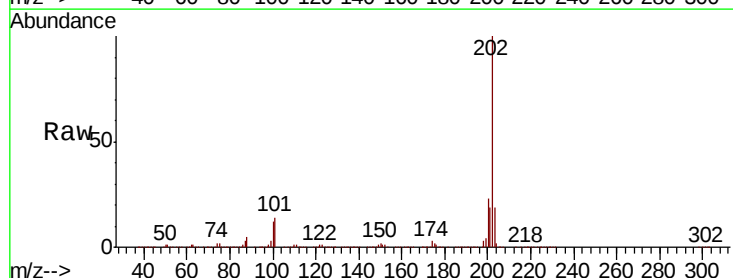
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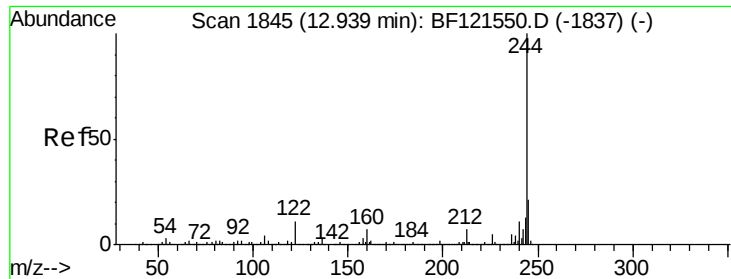
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#78
Pyrene
Concen: 50.230 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF121705.D
Acq: 28 Sep 2020 11:31

Tgt Ion:	202	Resp:	1893441
Ion Ratio	Lower	Upper	
202	100		
200	22.7	17.8	26.8
203	18.7	14.3	21.5





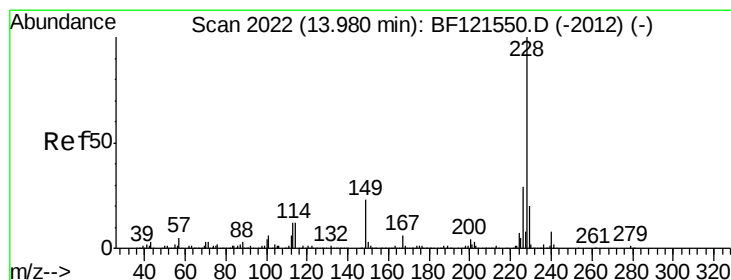
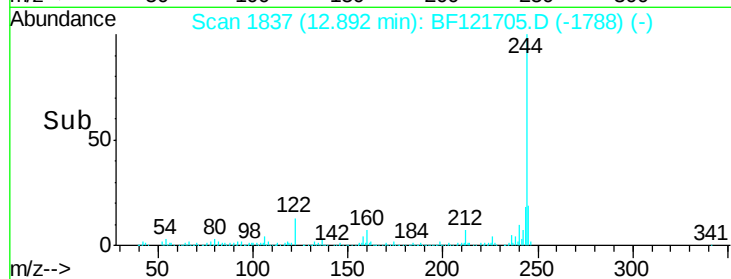
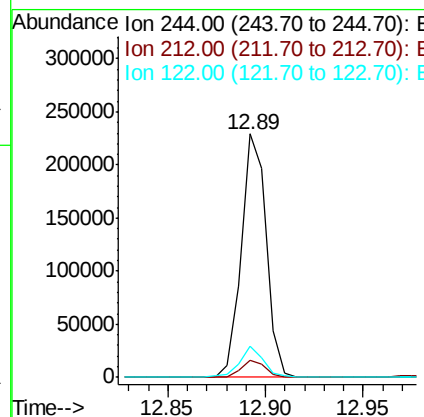
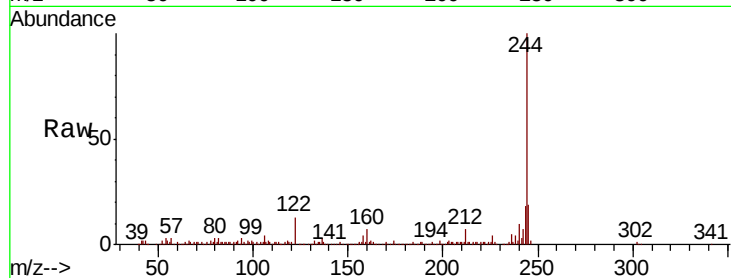
#79
 Terphenyl-d14
 Concen: 7.941 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF121705.D
 Acq: 28 Sep 2020 11:31

Instrument :
 BNA_F
 ClientSampleId :
 WR-PILE-3-4DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	12.8	8.0	12.0

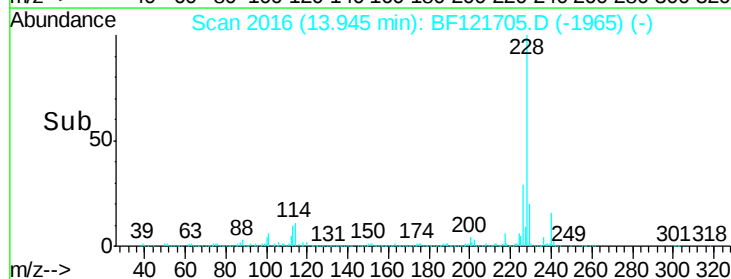
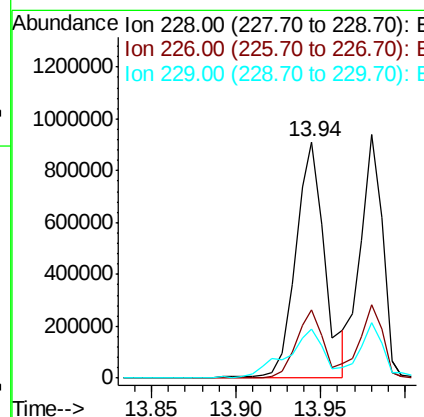
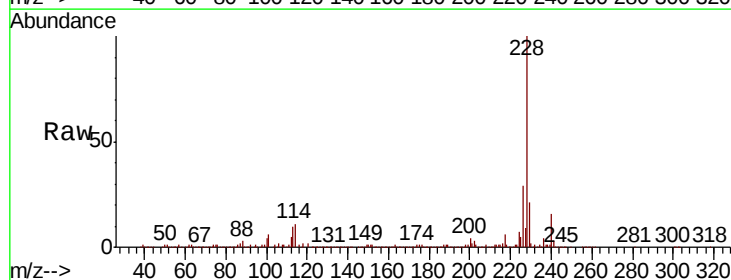
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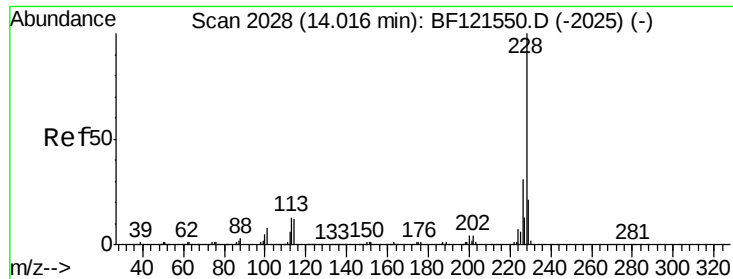
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#81
 Benzo(a)anthracene
 Concen: 33.354 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BF121705.D
 Acq: 28 Sep 2020 11:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.5	33.7
229	20.8	16.2	24.4





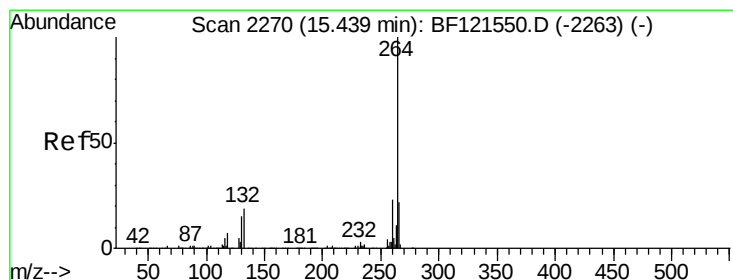
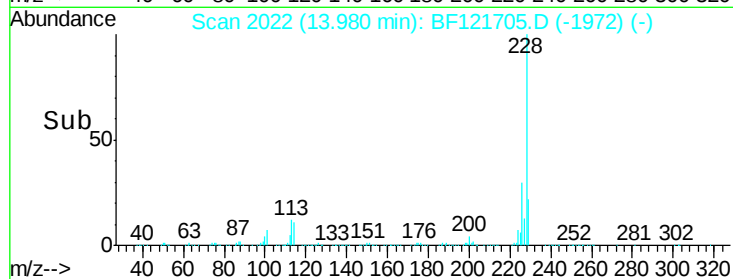
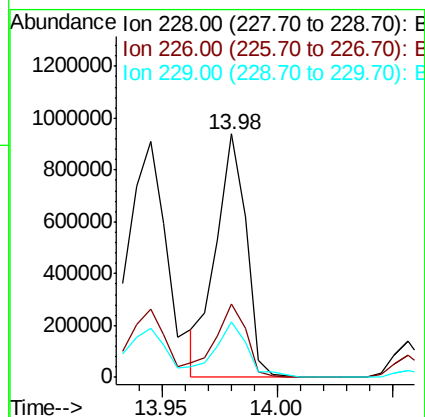
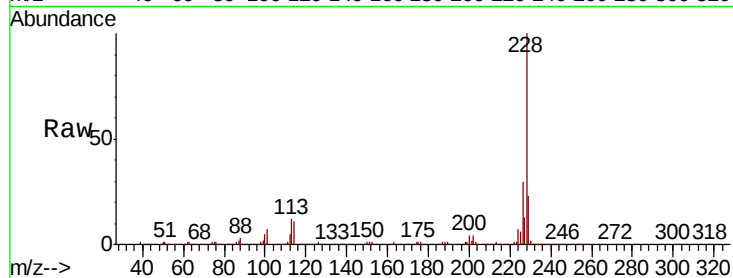
#83
Chrysene
Concen: 25.836 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF121705.D
Acq: 28 Sep 2020 11:31

Instrument :
BNA_F
ClientSampleId :
WR-PILE-3-4DL

Tot Ion:	228	Resp:	853947
Ion Ratio		Lower	Upper
228	100		
226	30.2	25.0	37.4
229	22.5	16.0	24.0

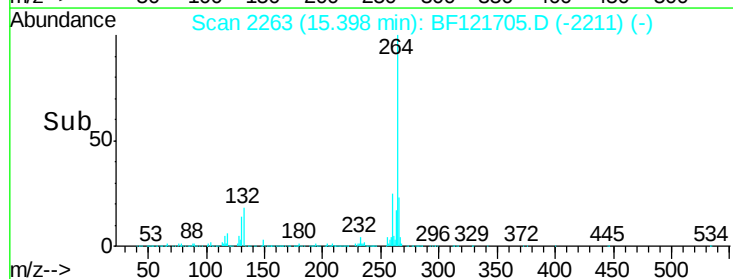
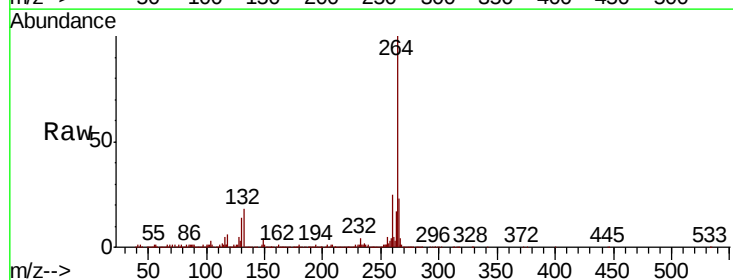
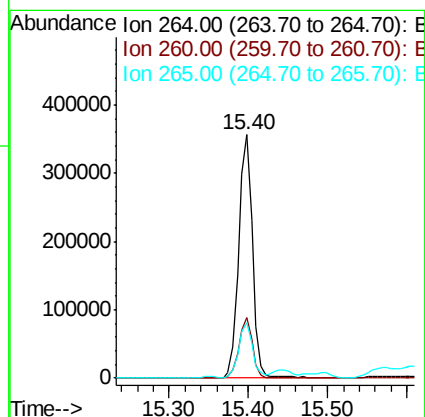
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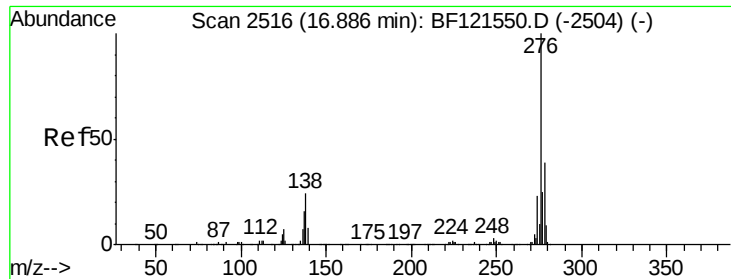
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF121705.D
Acq: 28 Sep 2020 11:31

Tgt Ion:	264	Resp:	432411
Ion Ratio		Lower	Upper
264	100		
260	24.7	18.4	27.6
265	22.6	17.2	25.8





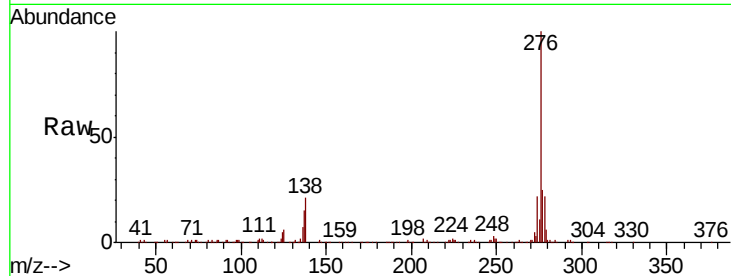
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.850 ng
 RT: 16.82 min Scan# 2504
 Delta R.T. -0.01 min
 Lab File: BF121705.D
 Acq: 28 Sep 2020 11:31

Instrument :
 BNA_F
 ClientSampleId :
 WR-PILE-3-4DL

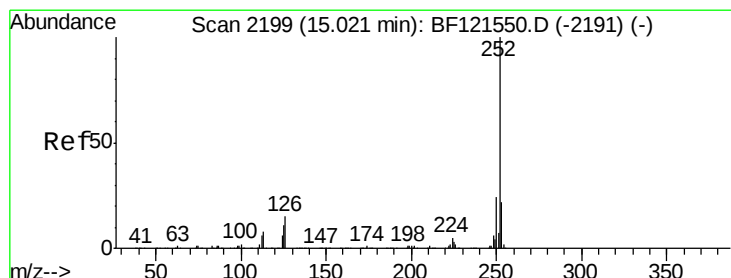
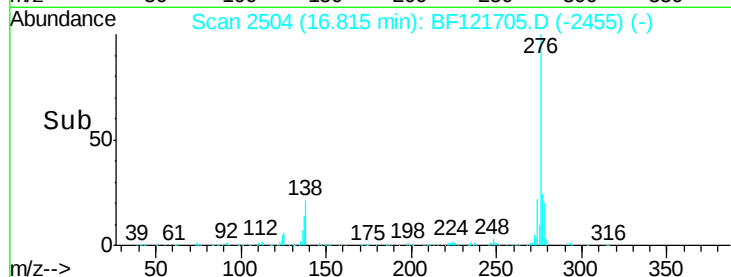
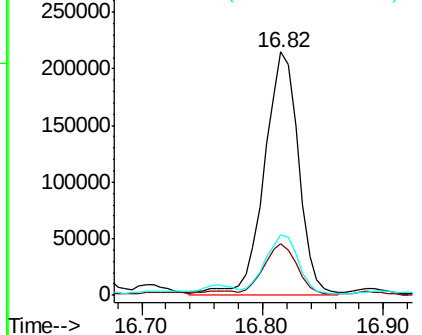
Tot Ion:	276	Resp:	418187
Ion Ratio		Lower	Upper
276	100		
138	20.3	19.5	29.3
277	24.0	20.2	30.4

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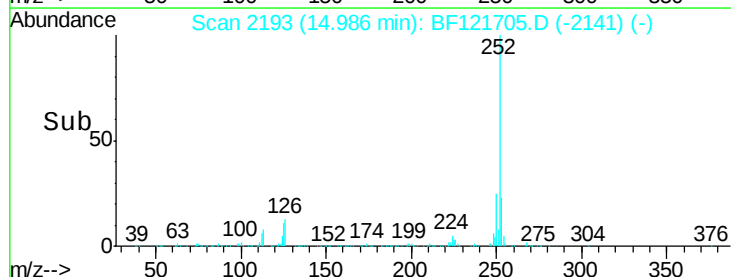
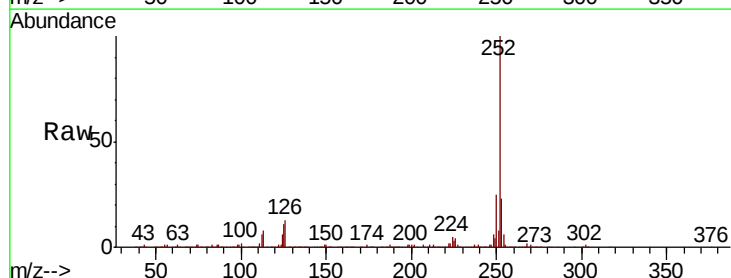
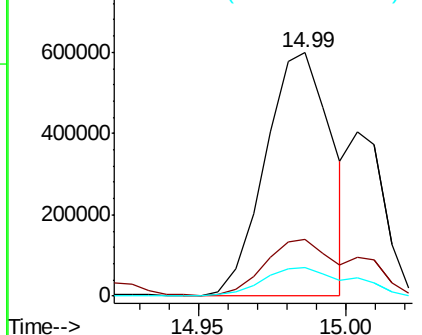
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

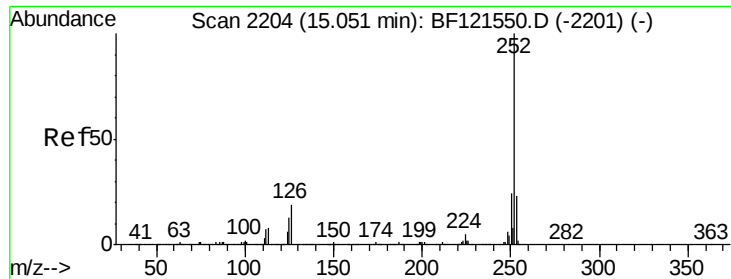


#88
 Benzo(b)fluoranthene
 Concen: 32.464 ng m
 RT: 14.99 min Scan# 2193
 Delta R.T. 0.01 min
 Lab File: BF121705.D
 Acq: 28 Sep 2020 11:31

Tgt Ion:	252	Resp:	938431
Ion Ratio		Lower	Upper
252	100		
253	23.4	17.8	26.6
125	11.5	8.6	13.0

Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E





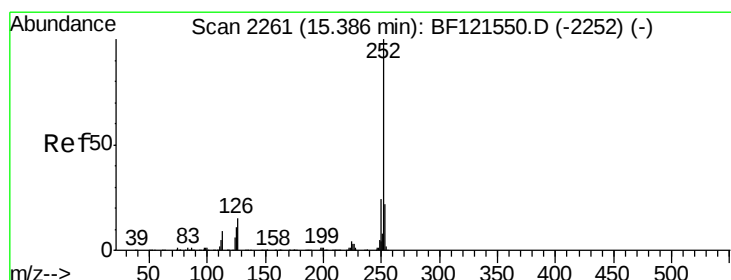
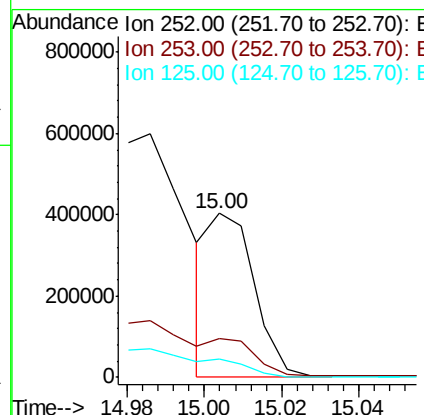
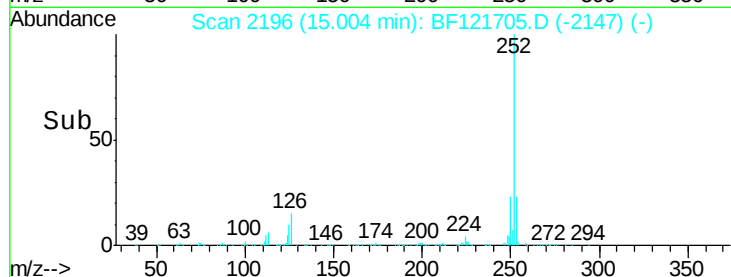
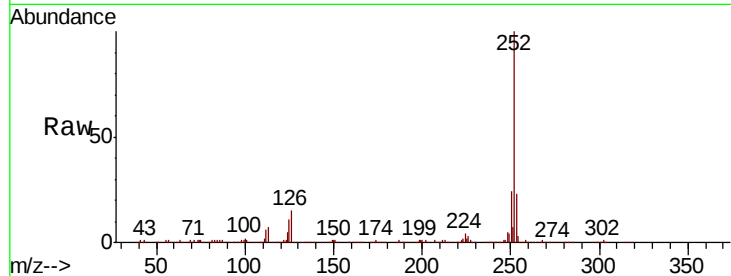
#89
Benzo(k)fluoranthene
Concen: 12.436 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF121705.D
Acq: 28 Sep 2020 11:31

Instrument :
BNA_F
ClientSampleId :
WR-PILE-3-4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	10.9	7.1	10.7

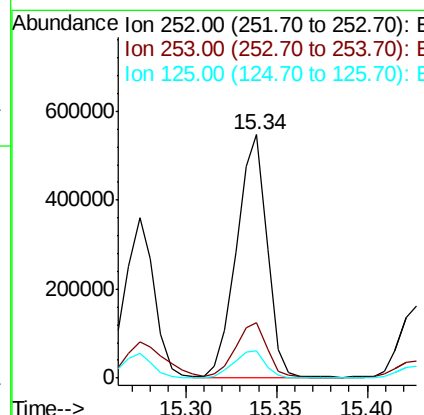
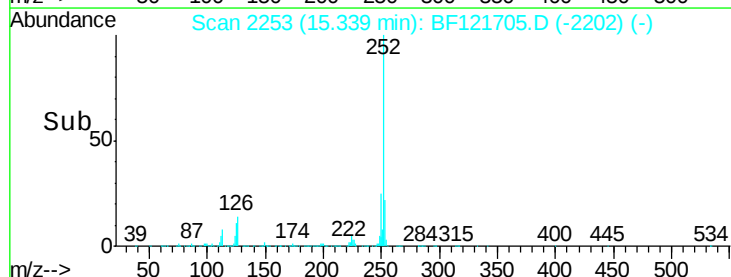
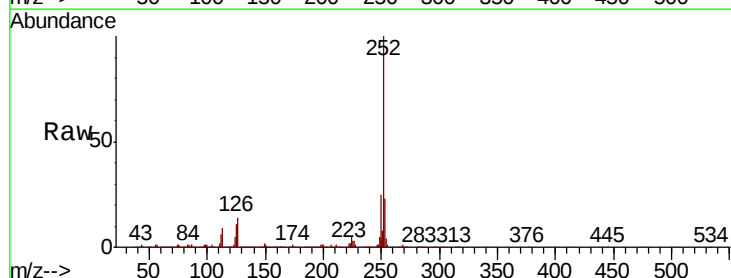
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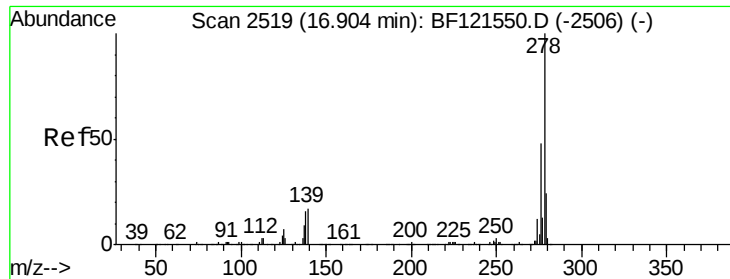
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#90
Benzo(a)pyrene
Concen: 25.989 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.00 min
Lab File: BF121705.D
Acq: 28 Sep 2020 11:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	11.0	9.2	13.8





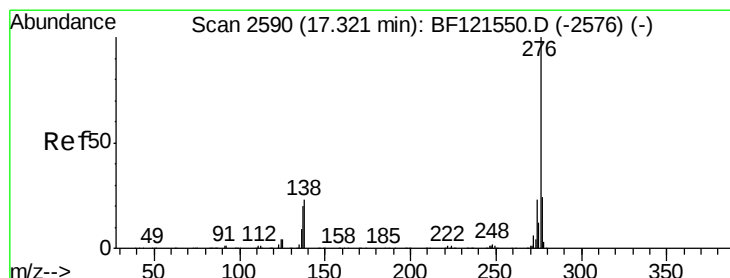
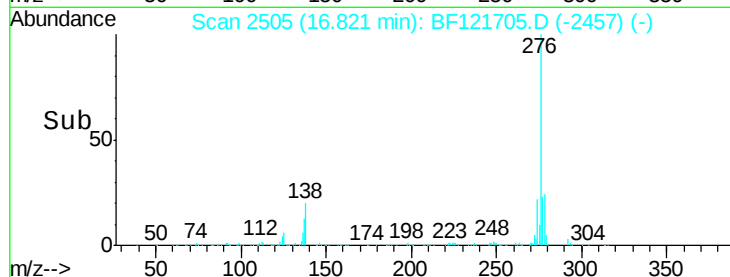
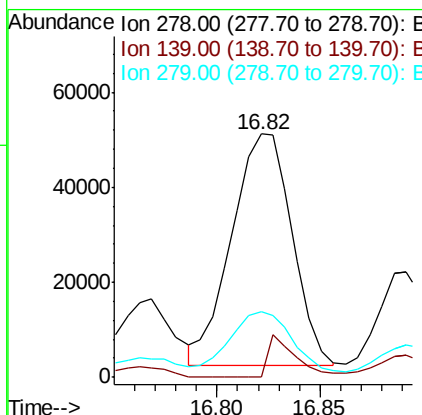
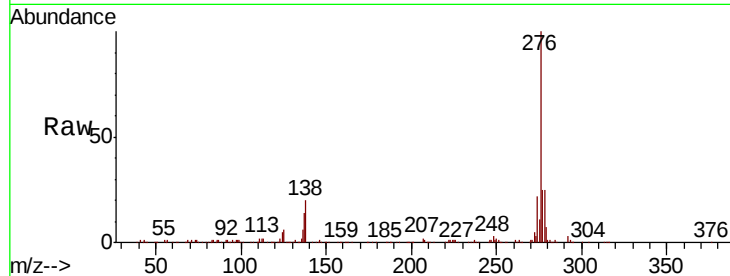
#91
Dibenzo(a,h)anthracene
Concen: 4.232 ng m
RT: 16.82 min Scan# 2505
Delta R.T. -0.02 min
Lab File: BF121705.D
Acq: 28 Sep 2020 11:31

Instrument :
BNA_F
ClientSampleId :
WR-PILE-3-4DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	27.0	19.3	28.9

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#92
Benzo(g,h,i)perylene
Concen: 16.420 ng
RT: 17.24 min Scan# 2577
Delta R.T. -0.01 min
Lab File: BF121705.D
Acq: 28 Sep 2020 11:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.8	28.2
138	21.4	16.6	25.0

