

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
 Data File : BF121509.D
 Acq On : 1 Sep 2020 21:44
 Operator : JU/CG
 Sample : L3847-07DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-ADL

Manual Integrations
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Quant Time: Sep 02 03:09:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	272811	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1043020	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	512877	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	891911	20.00	ng	0.00
76) Chrysene-d12	14.03	240	632501	20.00	ng	0.00
86) Perylene-d12	15.51	264	714259	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	215478	13.25	ng	-0.02
7) Phenol-d6	6.47	99	285529	12.57	ng	-0.02
23) Nitrobenzene-d5	7.41	82	169740	11.13	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	70852	13.68	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	370641	11.66	ng	-0.01
79) Terphenyl-d14	12.97	244	322478	10.73	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	111107	2.146	ng	97
58) Fluorene	10.45	166	93808	2.843	ng	99
71) Phenanthrene	11.41	178	1252575	27.366	ng	98
72) Anthracene	11.46	178	248786	5.526	ng	96
73) Carbazole	11.62	167	125925	2.901	ng	97
75) Fluoranthene	12.60	202	1549699	31.415	ng	98
78) Pyrene	12.83	202	1466714	32.470	ng	98
81) Benzo(a)anthracene	14.02	228	698739	18.097	ng	100
83) Chrysene	14.06	228	740942m	19.181	ng	
87) Indeno(1,2,3-cd)pyrene	16.97	276	406881	9.258	ng	94
88) Benzo(b)fluoranthene	15.07	252	894242m	19.247	ng	
89) Benzo(k)fluoranthene	15.10	252	319430m	7.391	ng	
90) Benzo(a)pyrene	15.44	252	677958	16.227	ng	99
91) Dibenzo(a,h)anthracene	16.99	278	107500	2.988	ng	94
92) Benzo(a,h,i)perylene	17.42	276	370604	10.694	ng	100

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

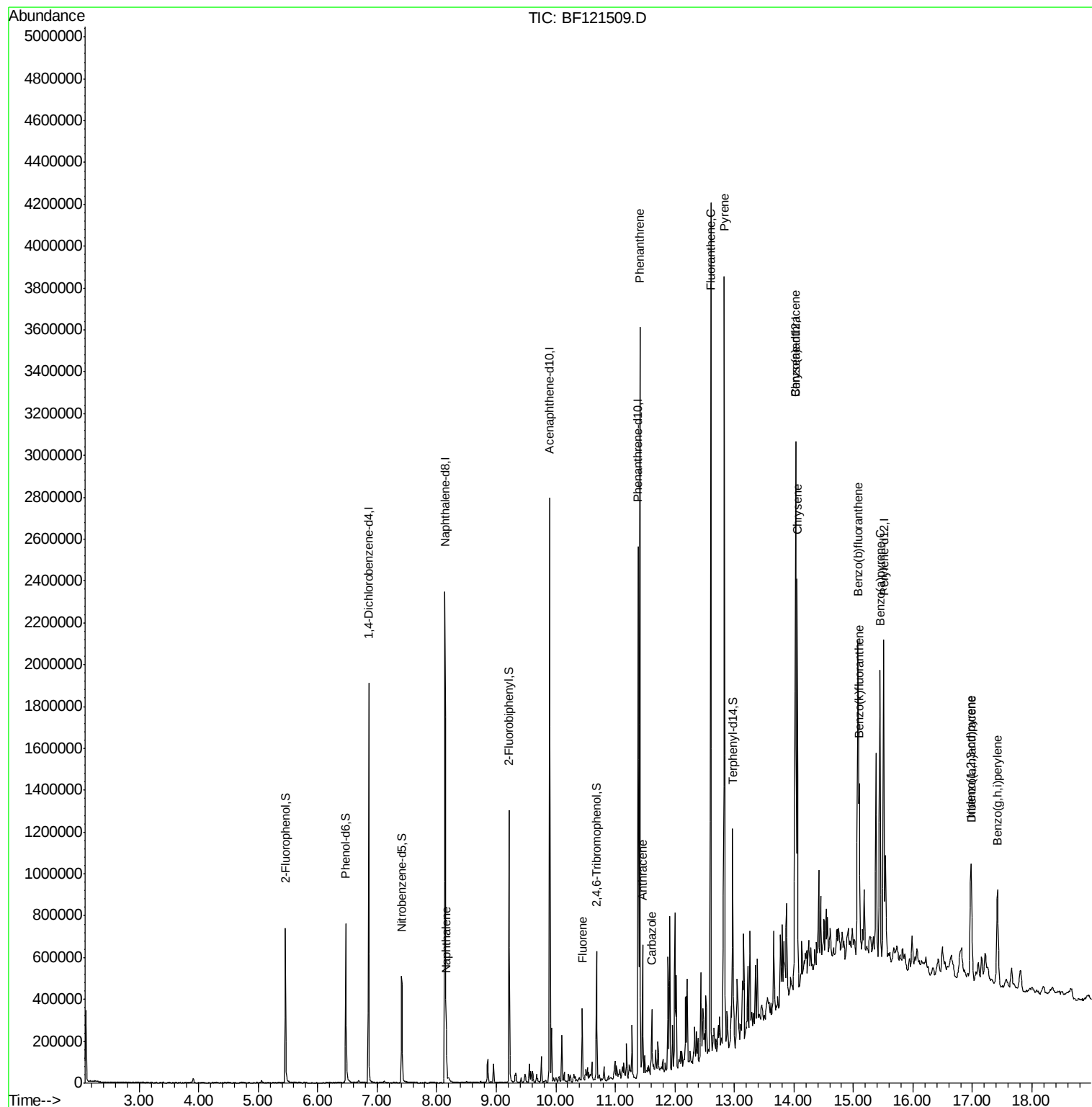
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
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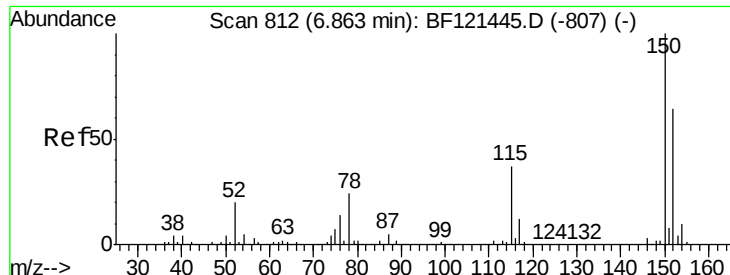
Instrument :
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LINDEN-JOP-BH-09-ADL

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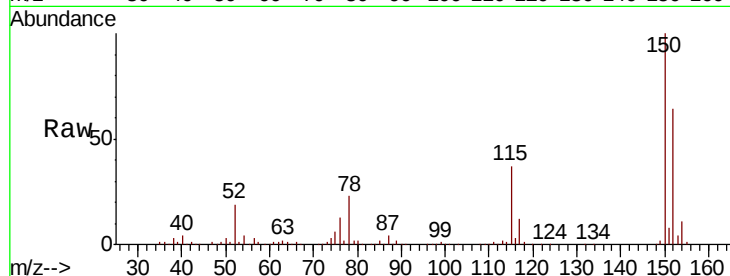
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF121509.D
 Acq: 1 Sep 2020 21:44

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.8	188.6
115	57.3	46.6	69.8

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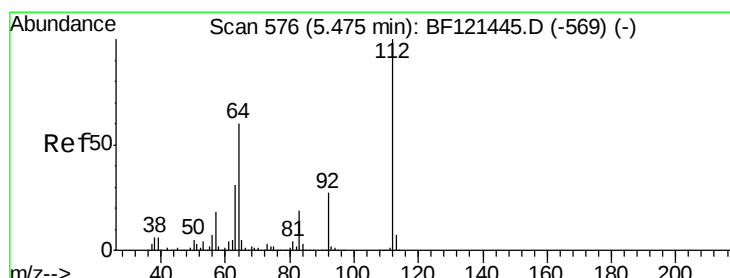
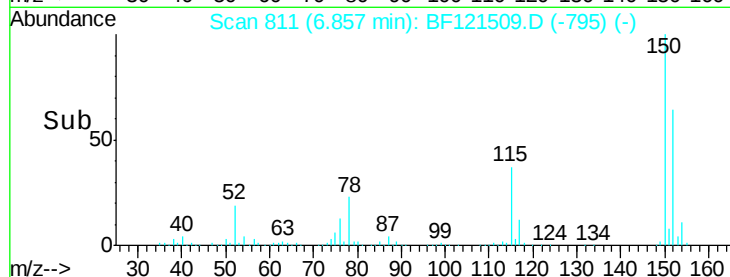
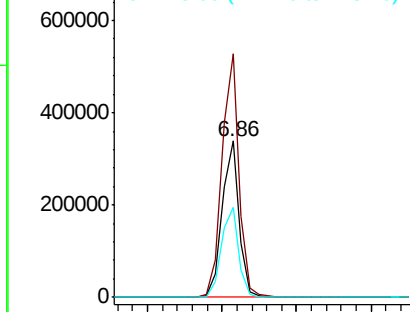


Abundance

Ion 152.00 (151.70 to 152.70): E

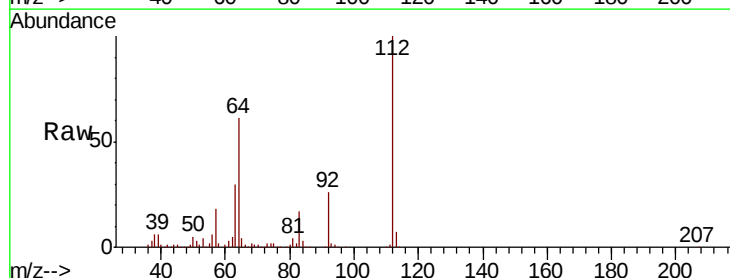
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 13.252 ng
 RT: 5.46 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: BF121509.D
 Acq: 1 Sep 2020 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	48.2	72.2
63	30.3	24.8	37.2

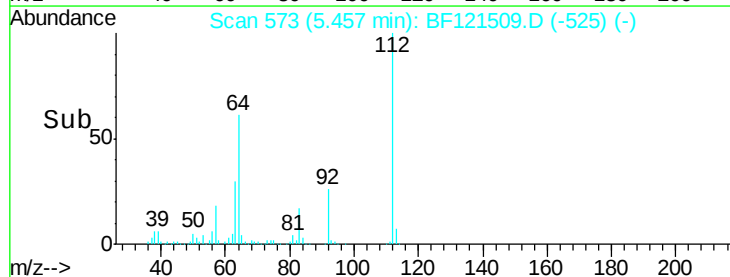
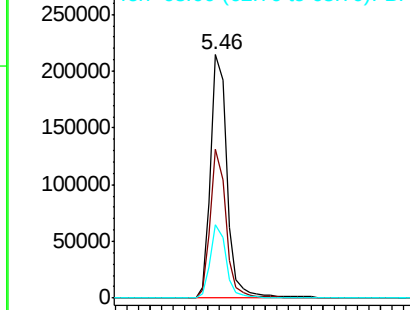


Abundance

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: 12.565 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF121509.D

Acq: 1 Sep 2020 21:44

Instrument :

BNA_F

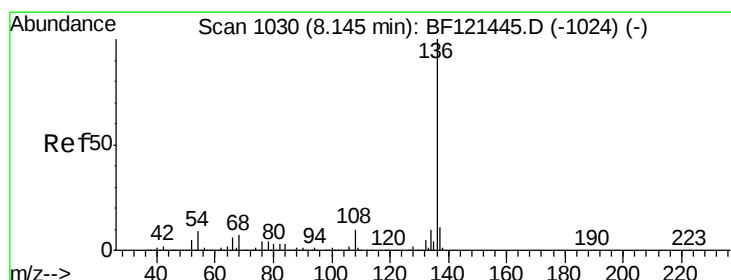
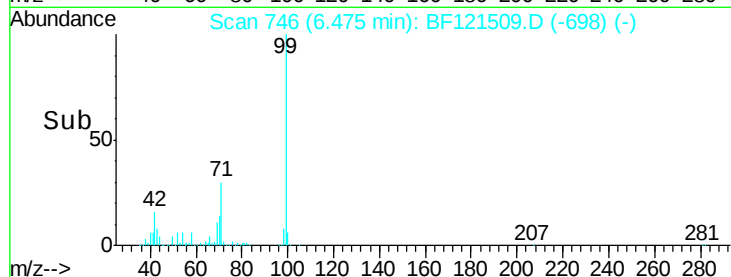
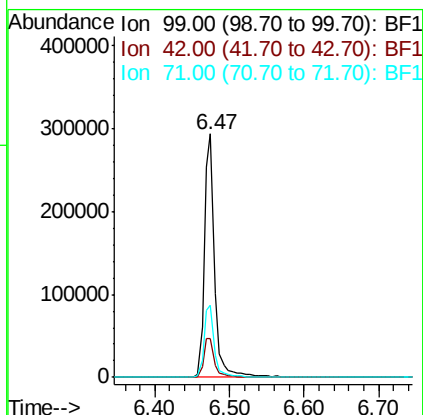
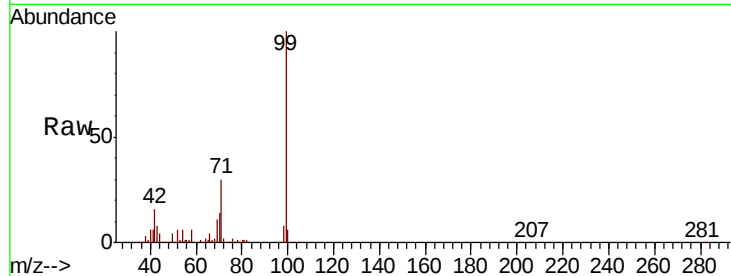
ClientSampleId :

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Tot Ion:	99	Resp:	285529
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.5	20.3
71	29.6	24.6	37.0

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#21

Naphthalene-d8

Concen: 20.000 ng

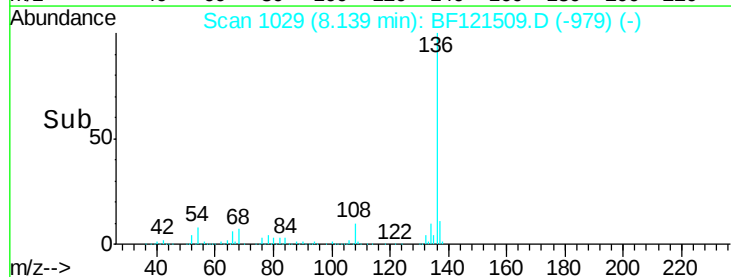
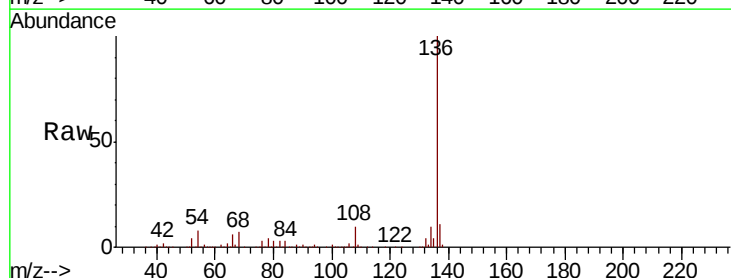
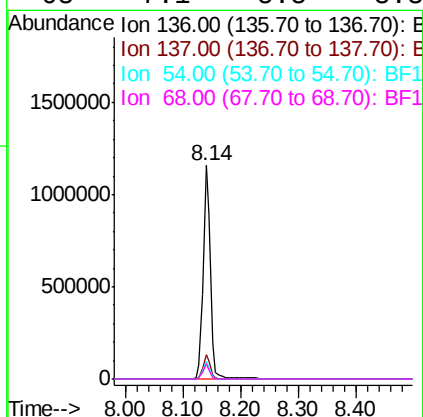
RT: 8.14 min Scan# 1029

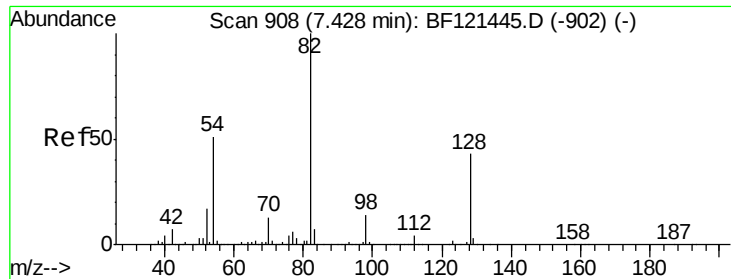
Delta R.T. -0.01 min

Lab File: BF121509.D

Acq: 1 Sep 2020 21:44

Tgt Ion:	136	Resp:	1043020
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	8.5	7.0	10.4
68	7.1	5.5	8.3





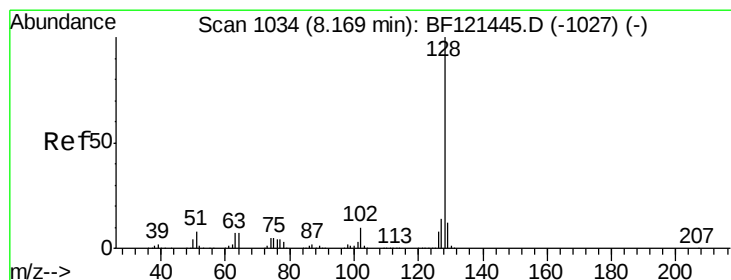
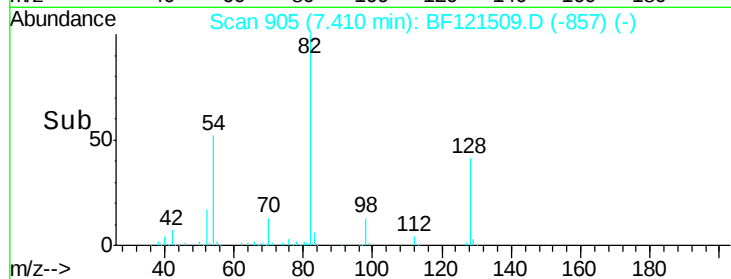
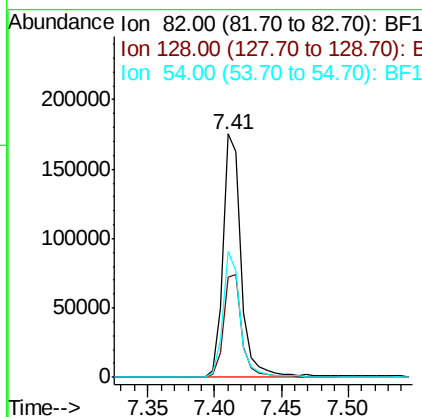
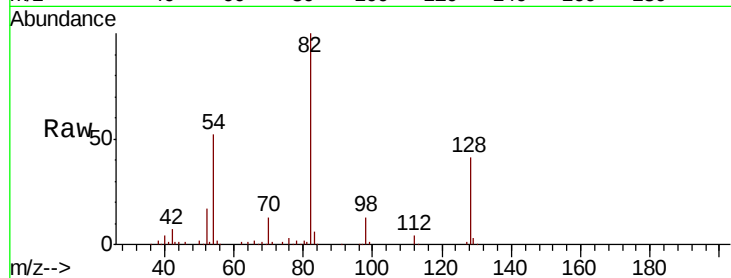
#23
 Nitrobenzene-d5
 Concen: 11.126 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF121509.D
 Acq: 1 Sep 2020 21:44

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-ADL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.1	51.1
54	51.7	41.0	61.6

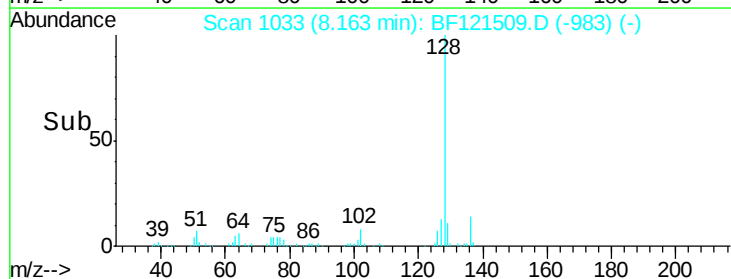
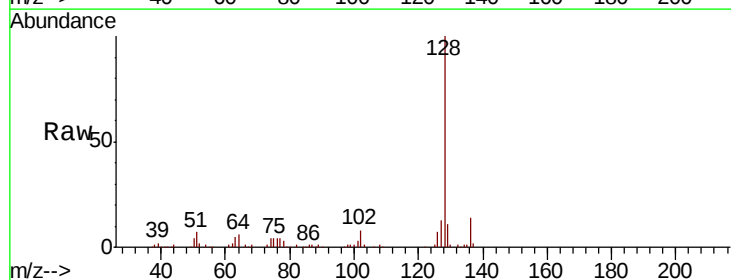
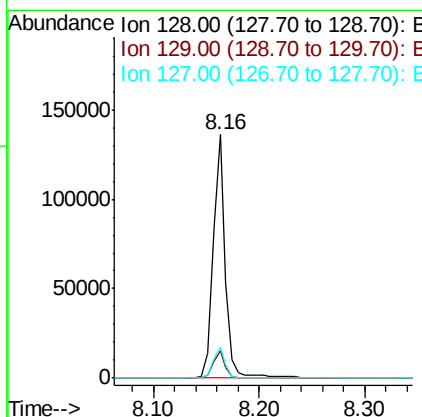
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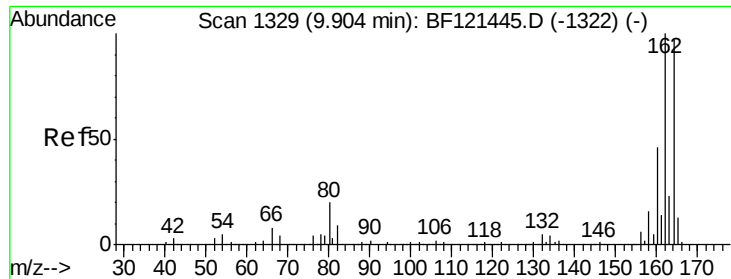
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#31
 Naphthalene
 Concen: 2.146 ng
 RT: 8.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF121509.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.6	14.4
127	12.9	11.4	17.2





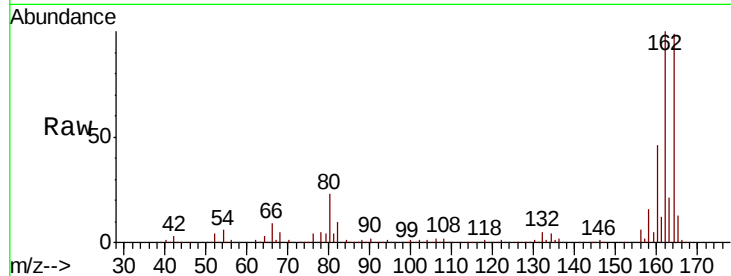
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-ADL

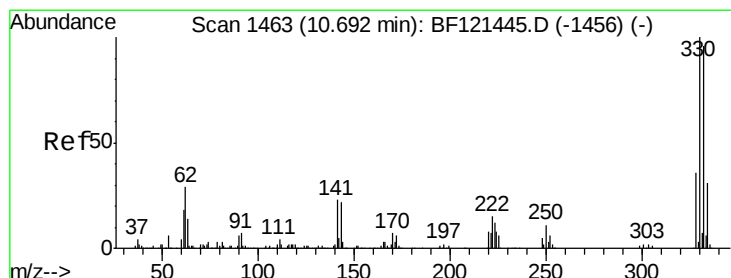
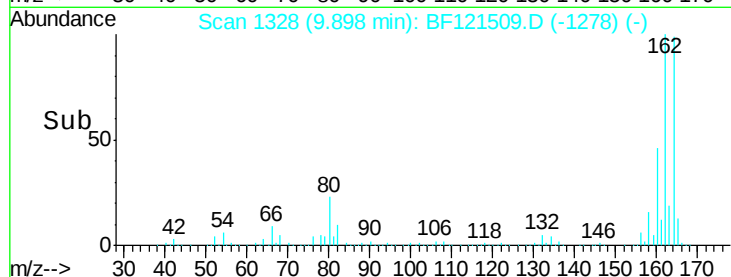
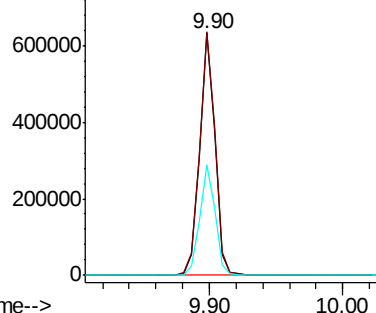
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.4	123.6
160	45.9	37.6	56.4

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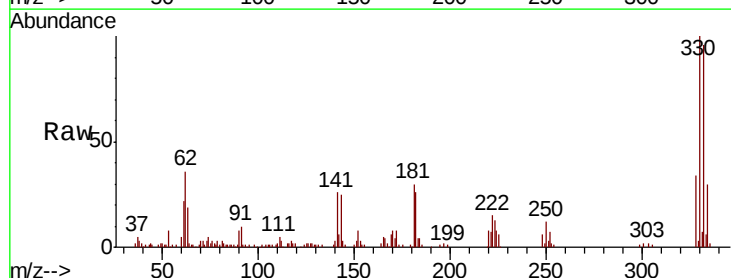


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

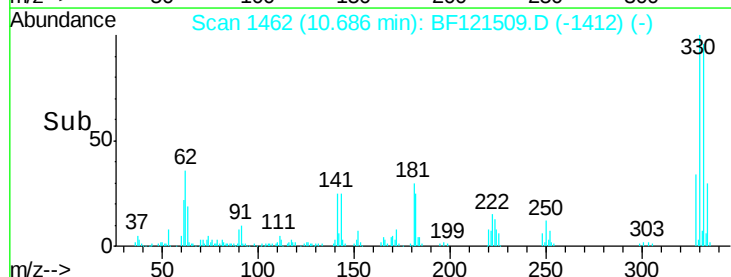
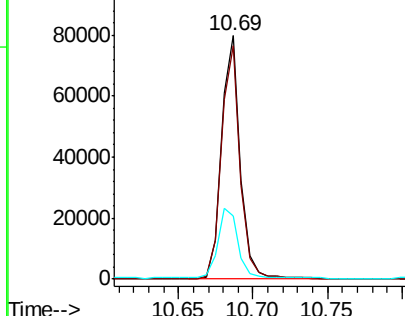


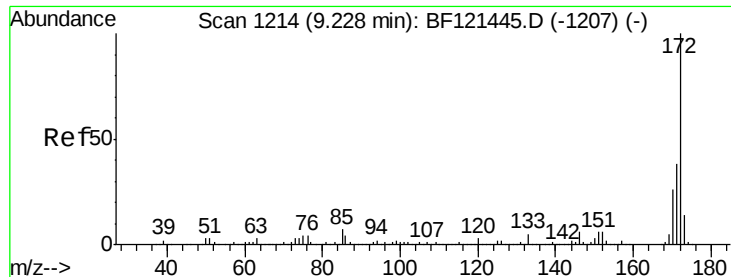
#42
2,4,6-Tribromophenol
Concen: 13.677 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.2	114.2
141	29.8	24.6	36.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





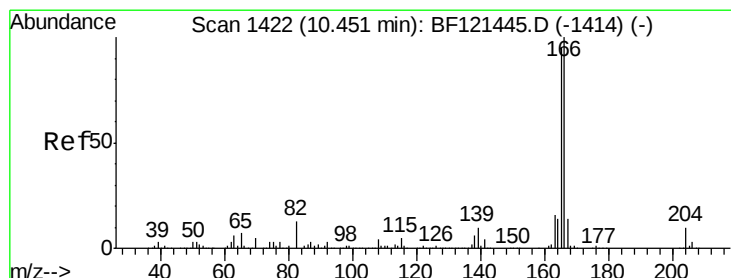
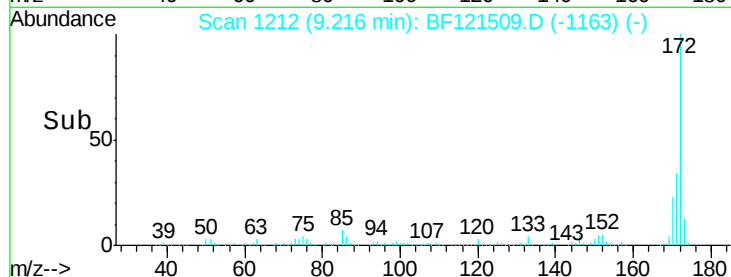
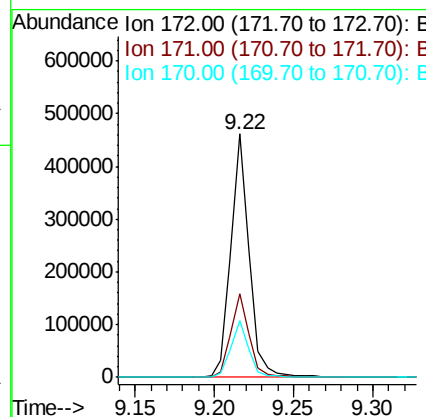
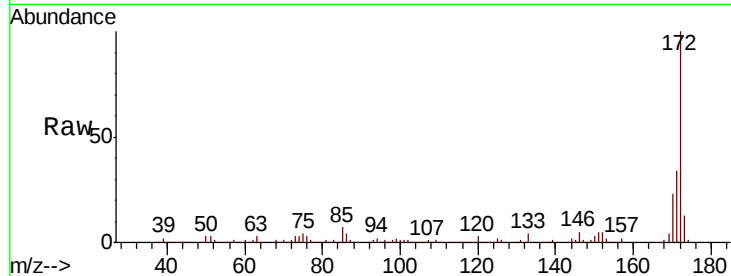
#45
2-Fluorobiphenyl
Concen: 11.660 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Instrument :
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ClientSampleId :
LINDEN-JOP-BH-09-ADL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.6	45.8
170	23.3	20.6	31.0

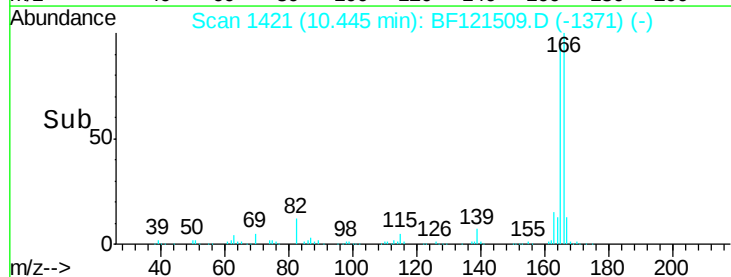
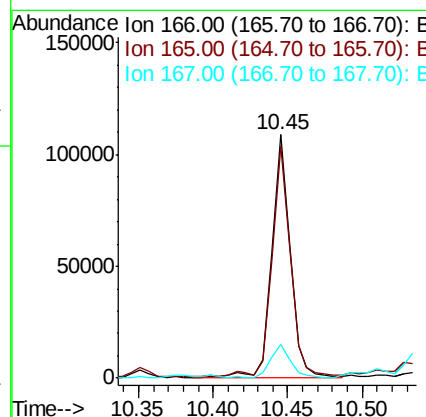
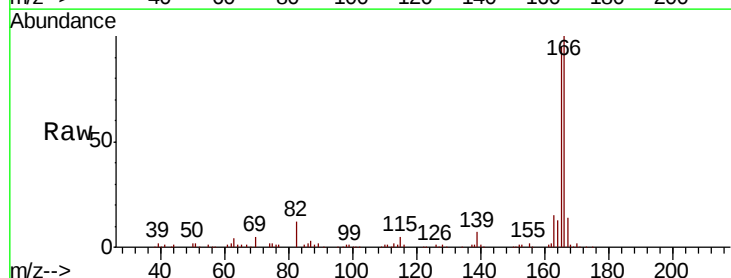
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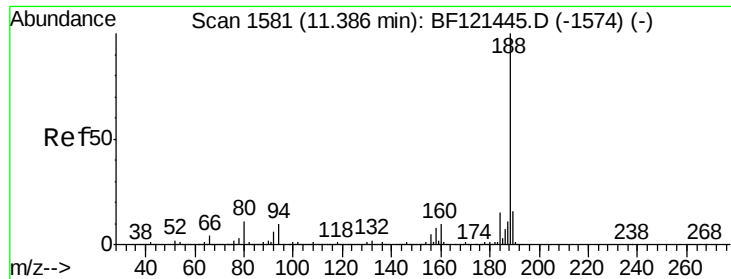
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#58
Fluorene
Concen: 2.843 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.3	75.7	113.5
167	13.7	11.1	16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BF121509.D

Acq: 1 Sep 2020 21:44

Instrument :

BNA_F

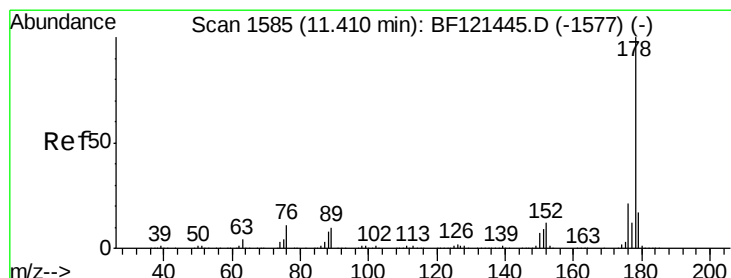
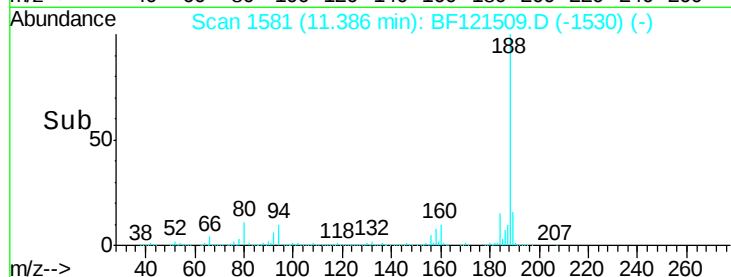
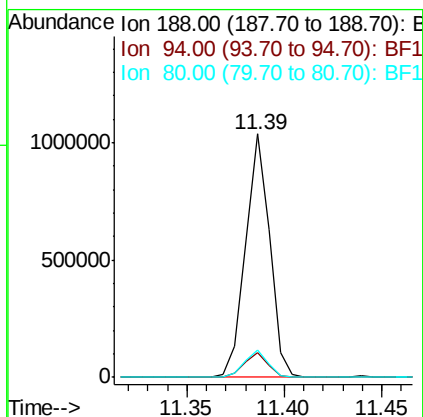
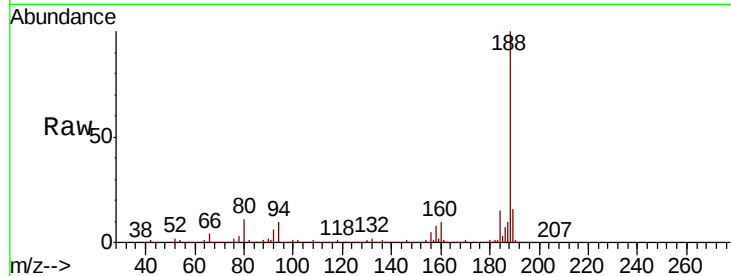
ClientSampleId :

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Tot Ion:	188	Resp:	891911
Ion Ratio	Lower	Upper	
188	100		
94	10.4	8.3	12.5
80	11.2	8.6	13.0

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#71

Phenanthrene

Concen: 27.366 ng

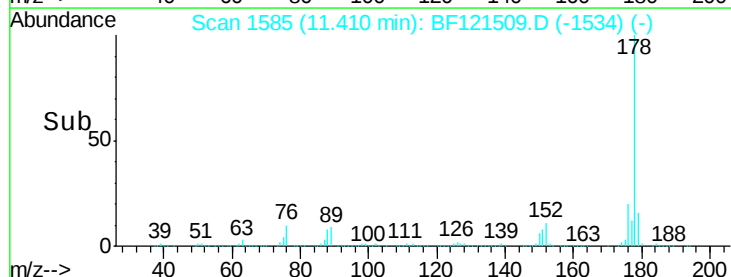
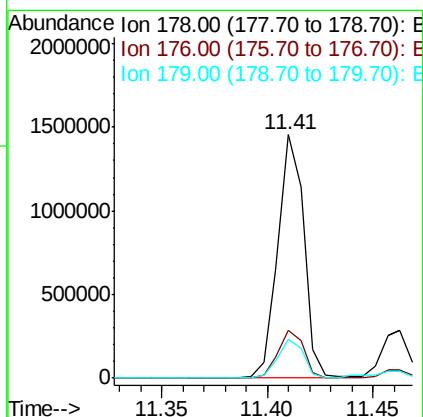
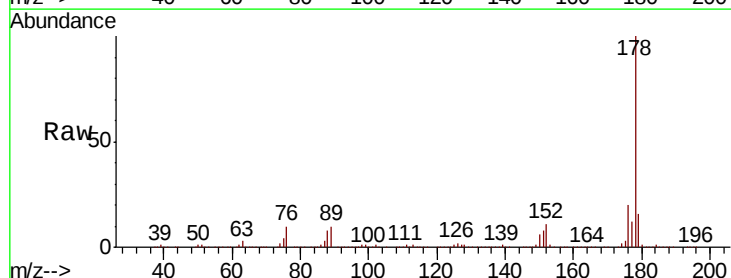
RT: 11.41 min Scan# 1585

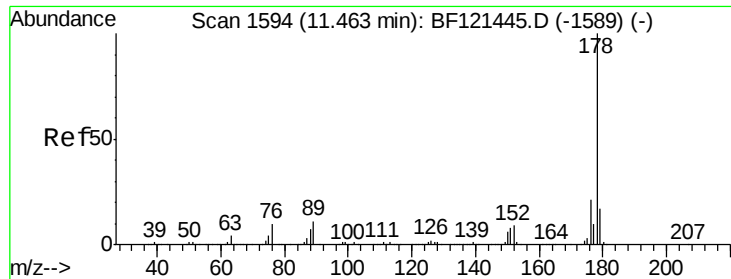
Delta R.T. 0.00 min

Lab File: BF121509.D

Acq: 1 Sep 2020 21:44

Tgt Ion:	178	Resp:	1252575
Ion Ratio	Lower	Upper	
178	100		
176	19.9	16.9	25.3
179	16.1	13.4	20.0





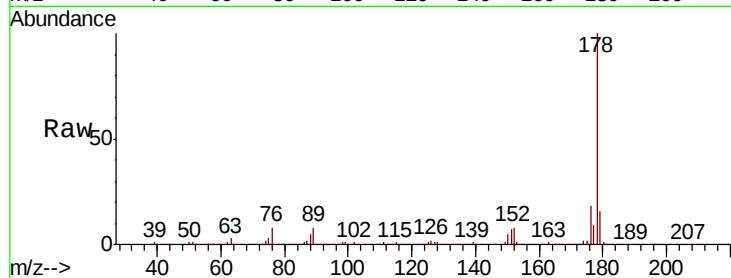
#72
 Anthracene
 Concen: 5.526 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: BF121509.D
 Acq: 1 Sep 2020 21:44

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 LINDEN-JOP-BH-09-ADL

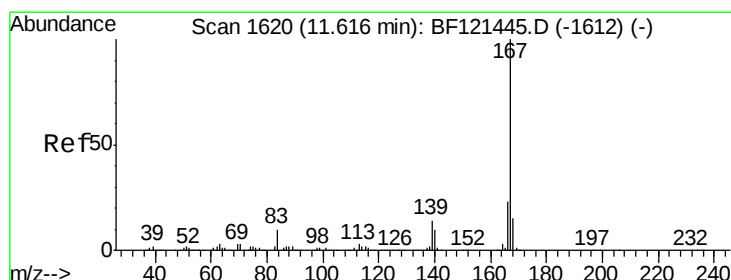
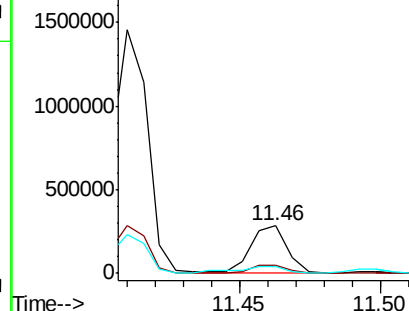
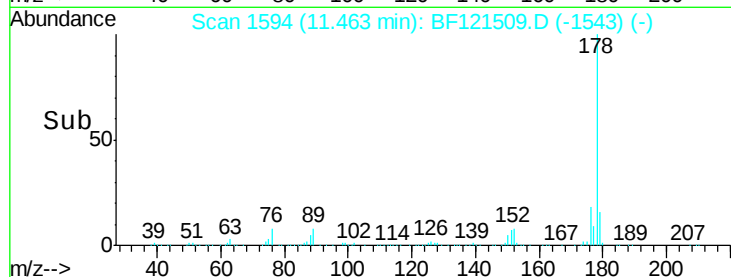
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.7	25.1
179	15.7	13.4	20.2

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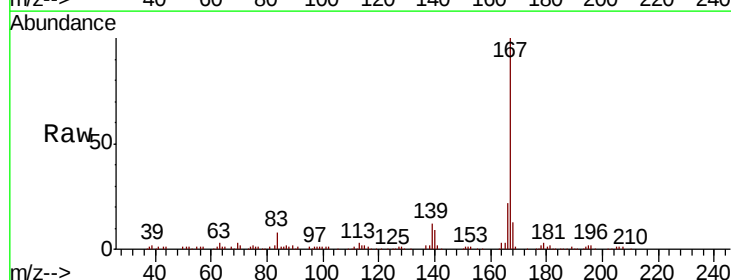


Abundance Ion 178.00 (177.70 to 178.70): E
 2000000
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

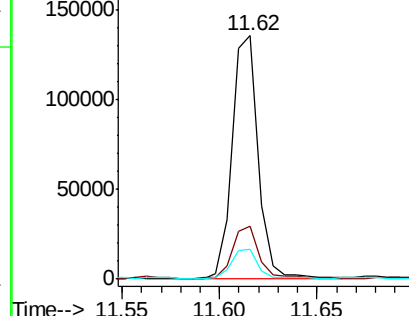
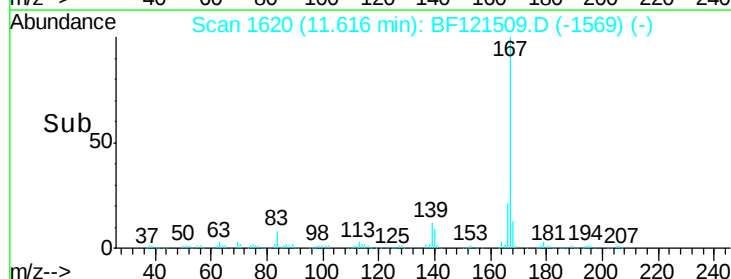


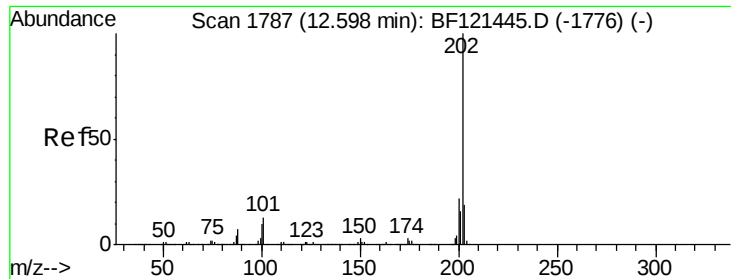
#73
 Carbazole
 Concen: 2.901 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BF121509.D
 Acq: 1 Sep 2020 21:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.4	27.6
139	12.4	11.0	16.6



Abundance Ion 167.00 (166.70 to 167.70): E
 150000
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 31.415 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF121509.D

Acq: 1 Sep 2020 21:44

Instrument :

BNA_F

ClientSampleId :

LINDEN-JOP-BH-09-ADL

Tot Ion:202 Resp: 1549699

Ion Ratio Lower Upper

202 100

101 11.8 0.0 33.3

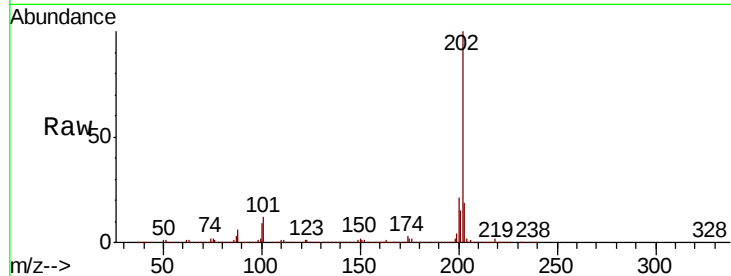
203 18.5 0.0 39.1

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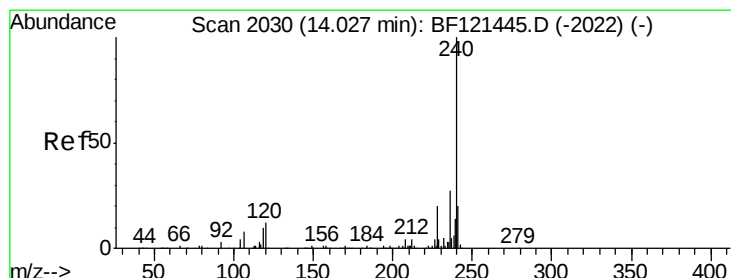
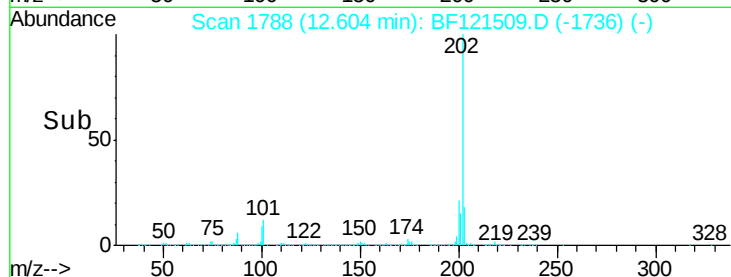
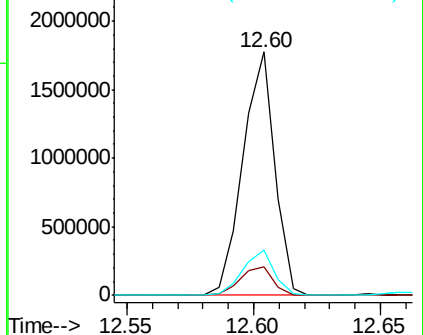
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF121509.D

Acq: 1 Sep 2020 21:44

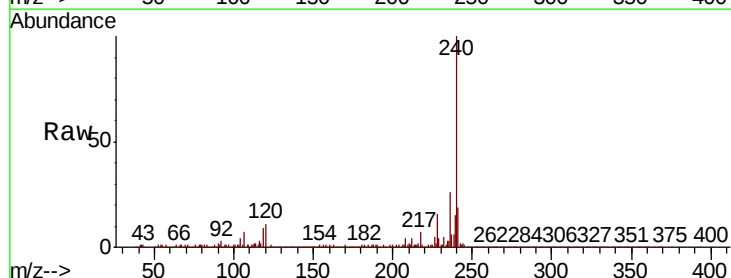
Tgt Ion:240 Resp: 632501

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

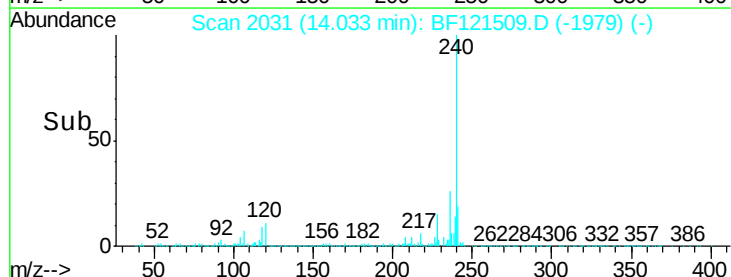
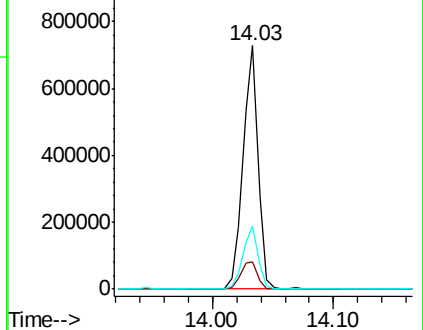
236 26.0 21.8 32.6

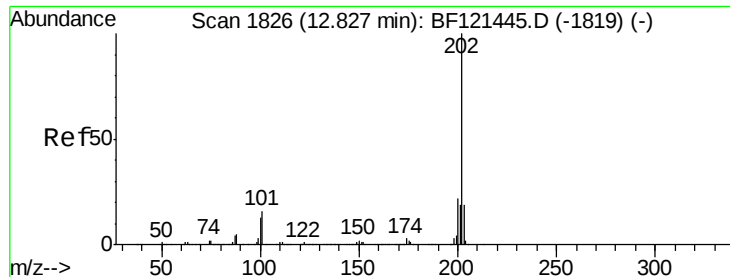


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





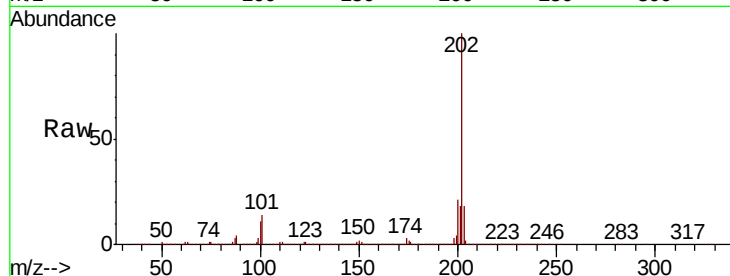
#78
Pvrene
Concen: 32.470 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-ADL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.0	27.0
203	18.5	15.3	22.9

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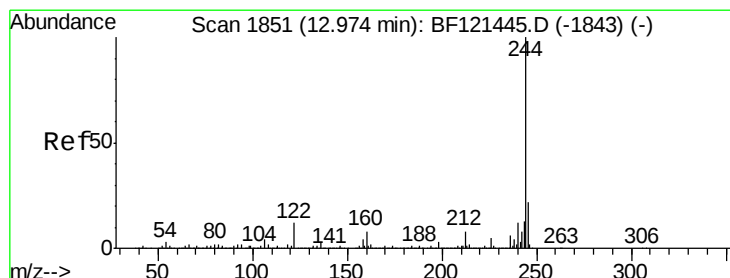
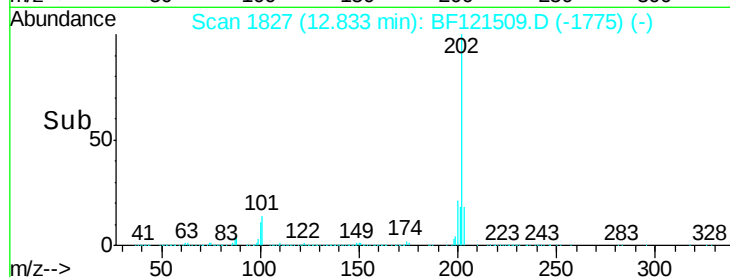
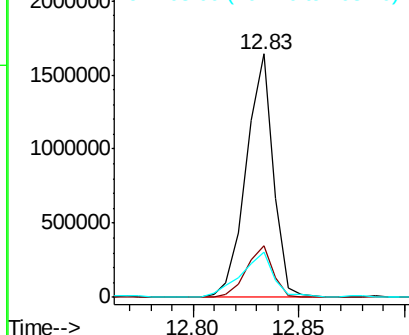


Abundance

Ion 202.00 (201.70 to 202.70): E

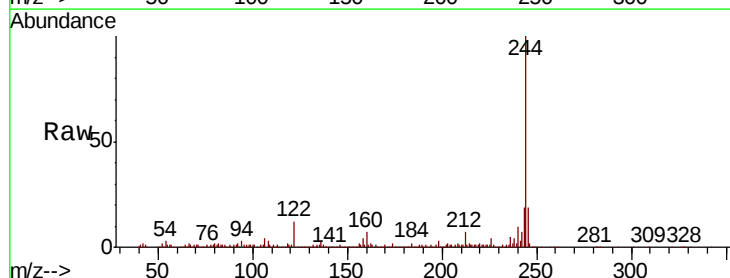
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 10.732 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	12.4	9.5	14.3

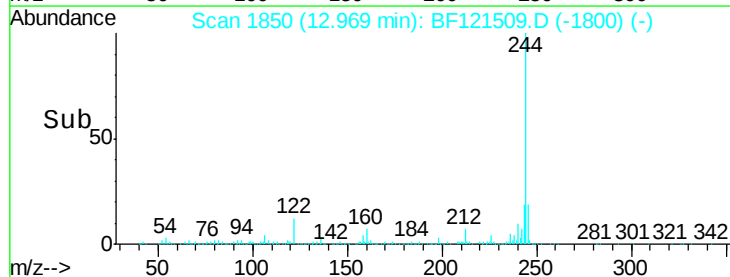
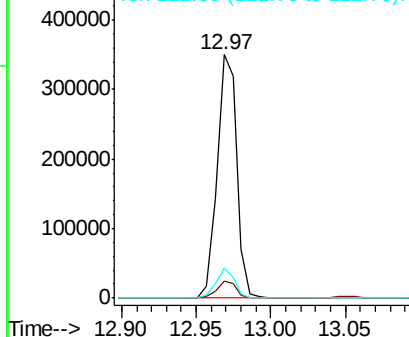


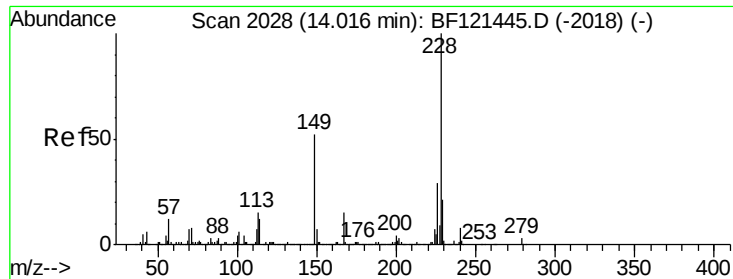
Abundance

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





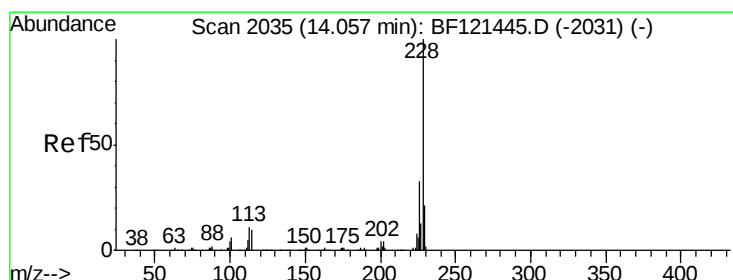
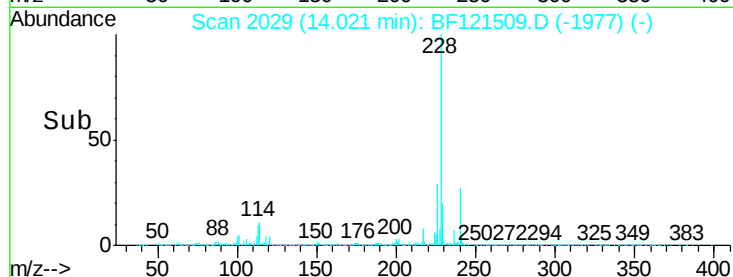
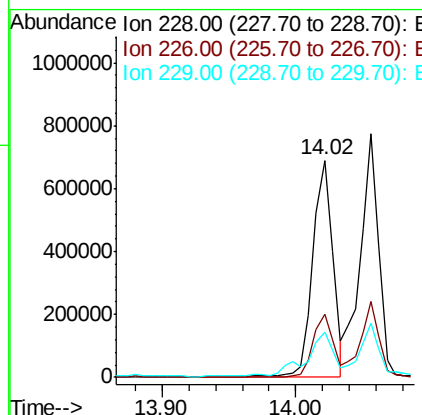
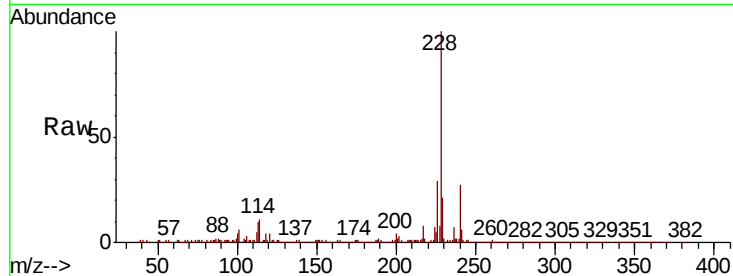
#81
Benzo(a)anthracene
Concen: 18.097 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-ADL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.0	34.4
229	20.7	16.6	24.8

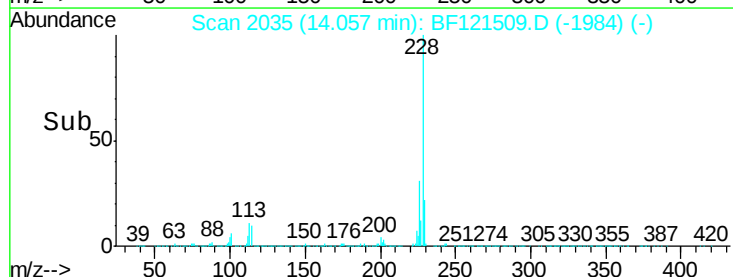
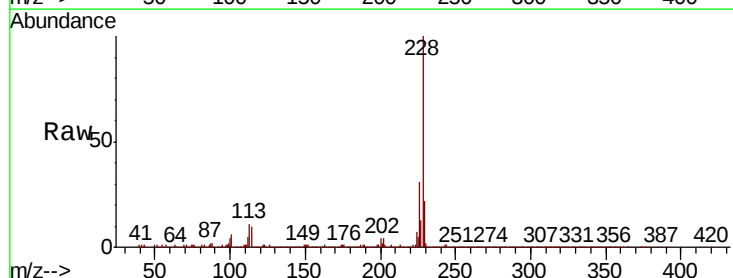
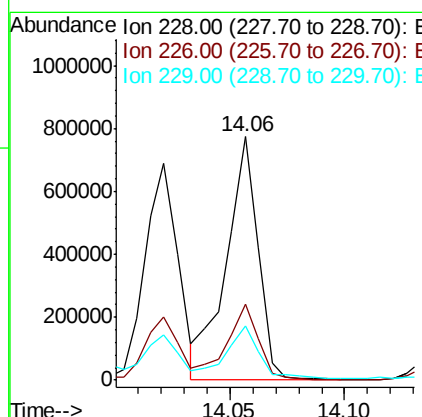
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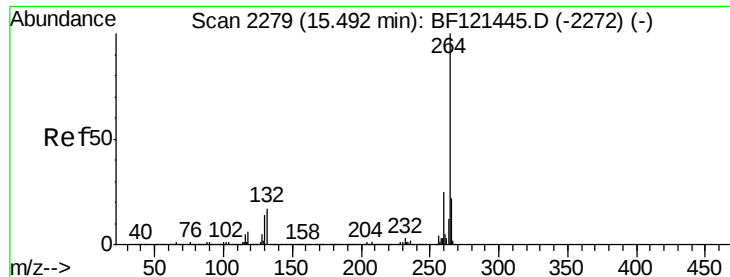
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#83
Chrysene
Concen: 19.181 ng m
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	26.2	39.2
229	22.1	16.6	25.0





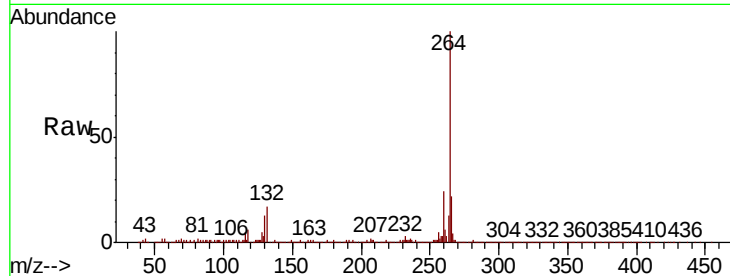
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.02 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-ADL

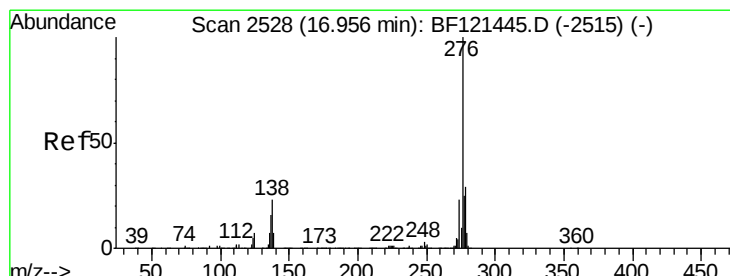
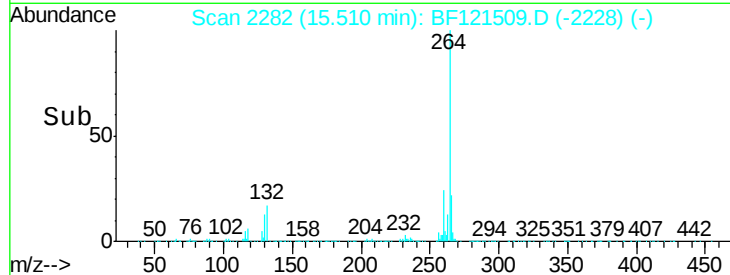
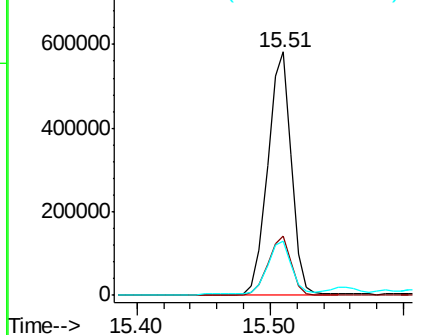
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	22.0	17.8	26.6

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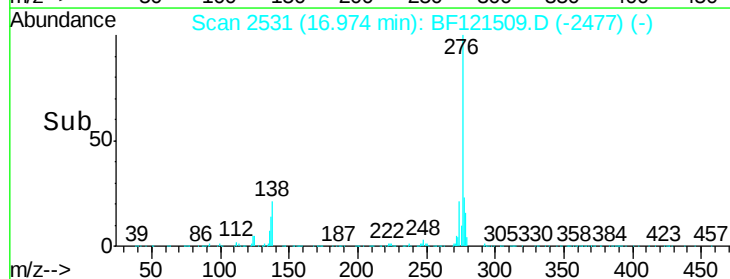
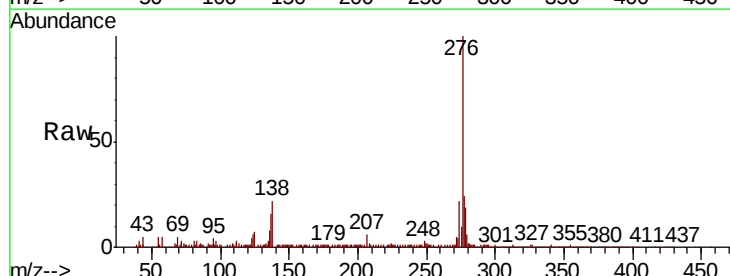
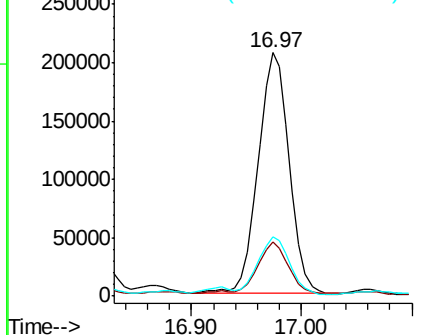
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

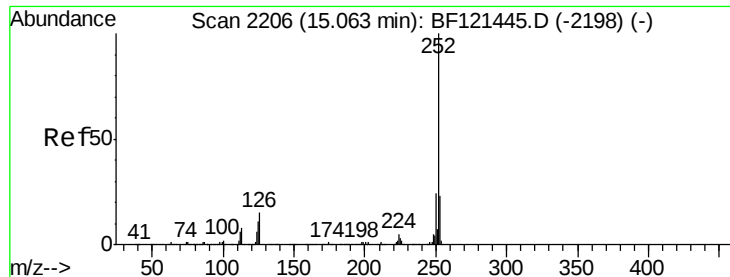


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.258 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.6	31.0
277	23.9	20.5	30.7

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





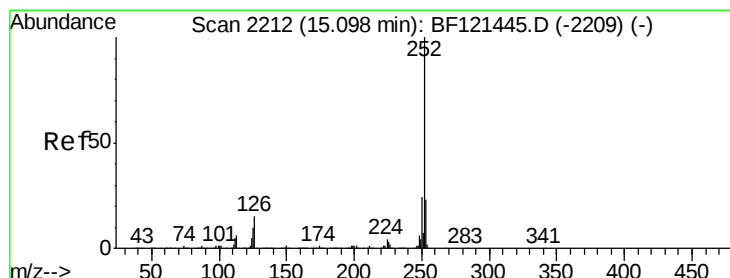
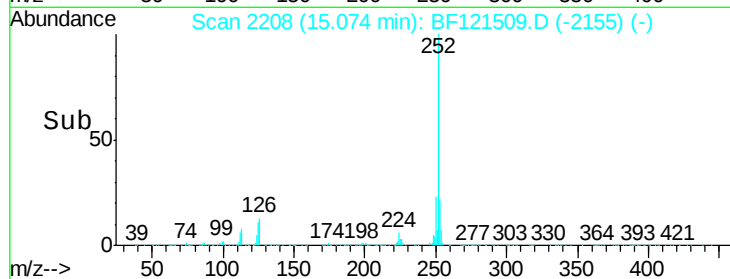
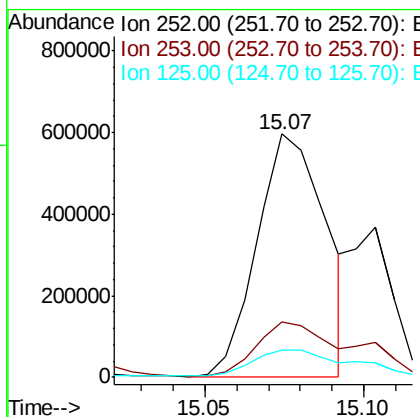
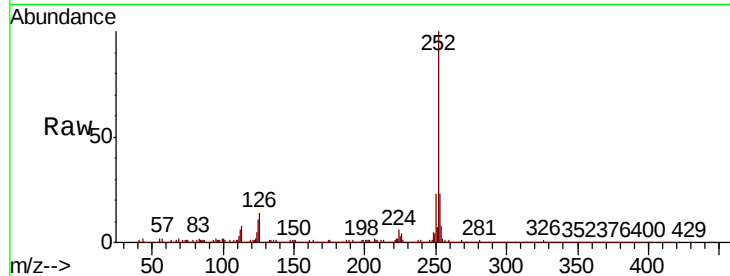
#88
Benzo(b)fluoranthene
Concen: 19.247 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.3	27.5
125	11.3	9.2	13.8

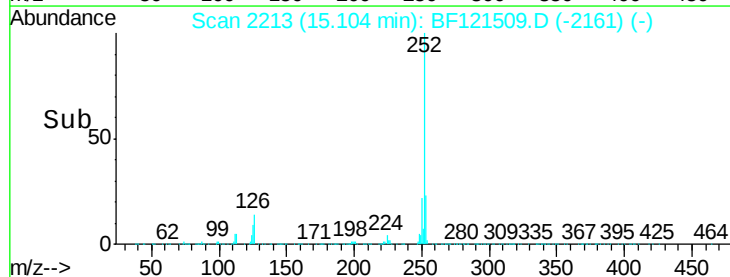
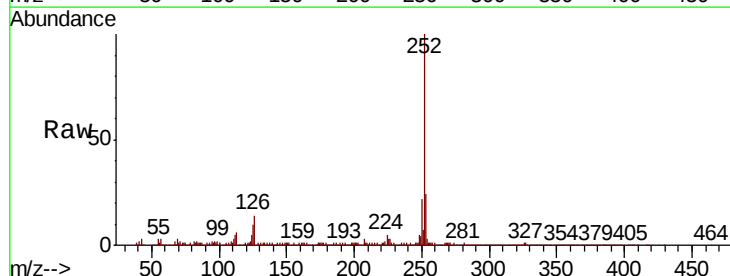
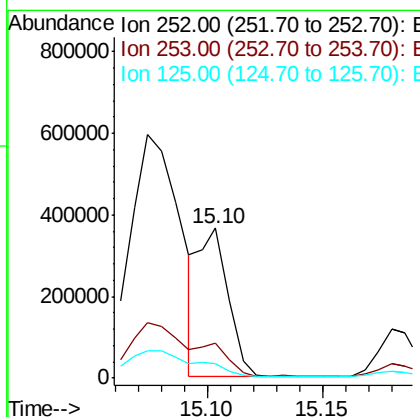
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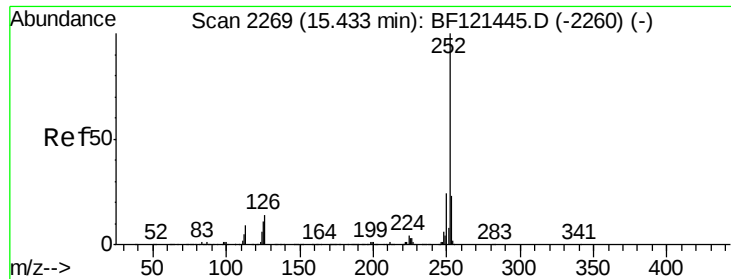
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#89
Benzo(k)fluoranthene
Concen: 7.391 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.3	27.5
125	9.9	8.5	12.7





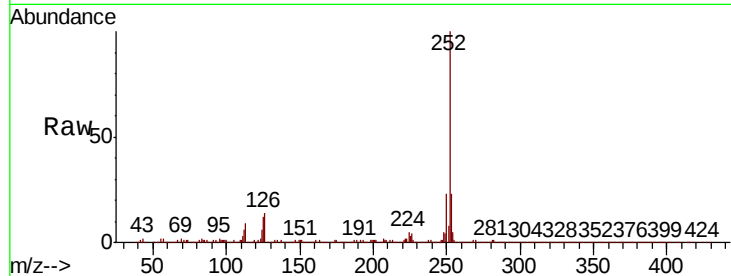
#90
Benzo(a)pyrene
Concen: 16.227 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-09-ADL

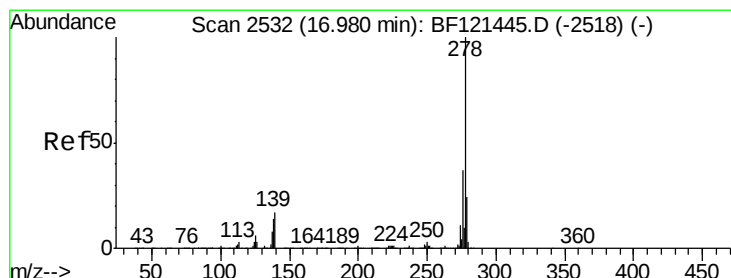
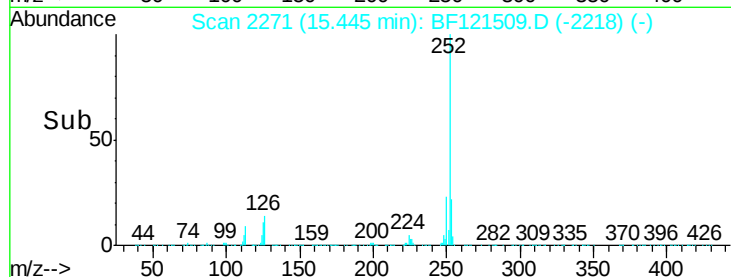
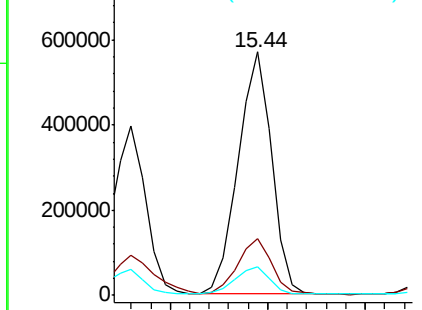
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.5	9.0	13.4

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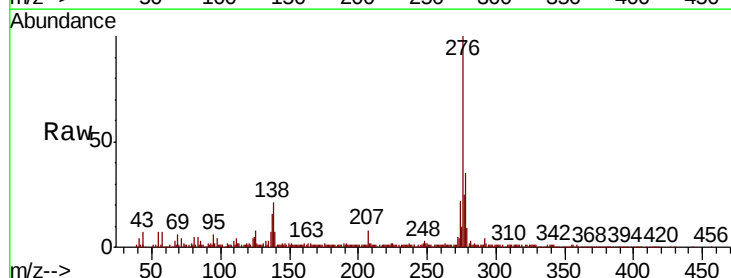


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

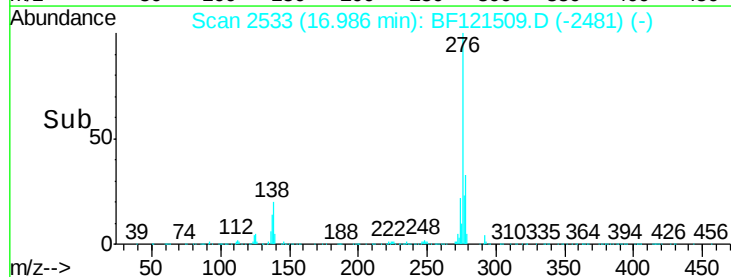
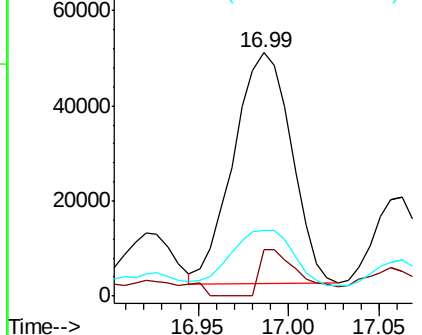


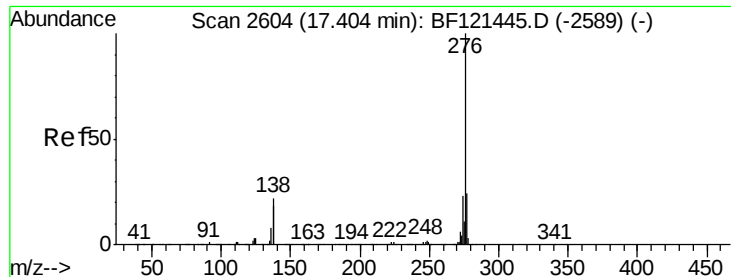
#91
Dibenzo(a,h)anthracene
Concen: 2.988 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF121509.D
Acq: 1 Sep 2020 21:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	13.3	19.9
279	26.9	19.4	29.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 10.694 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.02 min
 Lab File: BF121509.D
 Acq: 1 Sep 2020 21:44

Instrument :
 BNA_F
 ClientSampleId :
 LINDEN-JOP-BH-09-ADL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	22.0	17.4	26.0

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