

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
 Data File : BF119121.D
 Acq On : 27 Feb 2020 20:38
 Operator : CG/JU
 Sample : L1363-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620

Manual Integrations
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Quant Time: Feb 28 04:58:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	139617	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	428981	20.00	ng	0.00
39) Acenaphthene-d10	9.78	164	212574	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	340164	20.00	ng	0.00
76) Chrysene-d12	13.90	240	326333	20.00	ng	0.00
87) Perylene-d12	15.33	264	398102	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	584569	69.97	ng	0.00
7) Phenol-d6	6.39	99	669368	65.88	ng	-0.02
23) Nitrobenzene-d5	7.31	82	424901	52.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	151166	54.36	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	728884	50.51	ng	0.00
79) Terphenyl-d14	12.84	244	761329	40.17	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.74	142	44479	2.971	ng	96
38) 1-Methylnaphthalene	8.84	142	43500	3.089	ng	# 99
58) Fluorene	10.33	166	34576	2.472	ng	97
71) Phenanthrene	11.29	178	237043	12.778	ng	97
72) Anthracene	11.34	178	49073	2.648	ng	97
75) Fluoranthene	12.47	202	175278	8.901	ng	97
78) Pyrene	12.70	202	279530	10.667	ng	99
81) Benzo(a)anthracene	13.89	228	129071	5.805	ng	100
83) Chrysene	13.92	228	124341m	5.612	ng	
86) Indeno(1,2,3-cd)pyrene	16.74	276	47438	2.211	ng	96
88) Benzo(b)fluoranthene	14.92	252	123989m	4.725	ng	
90) Benzo(a)pyrene	15.27	252	112739	4.760	ng	# 94
92) Benzo(a,h,i)perylene	17.16	276	55006	2.672	ng	92

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

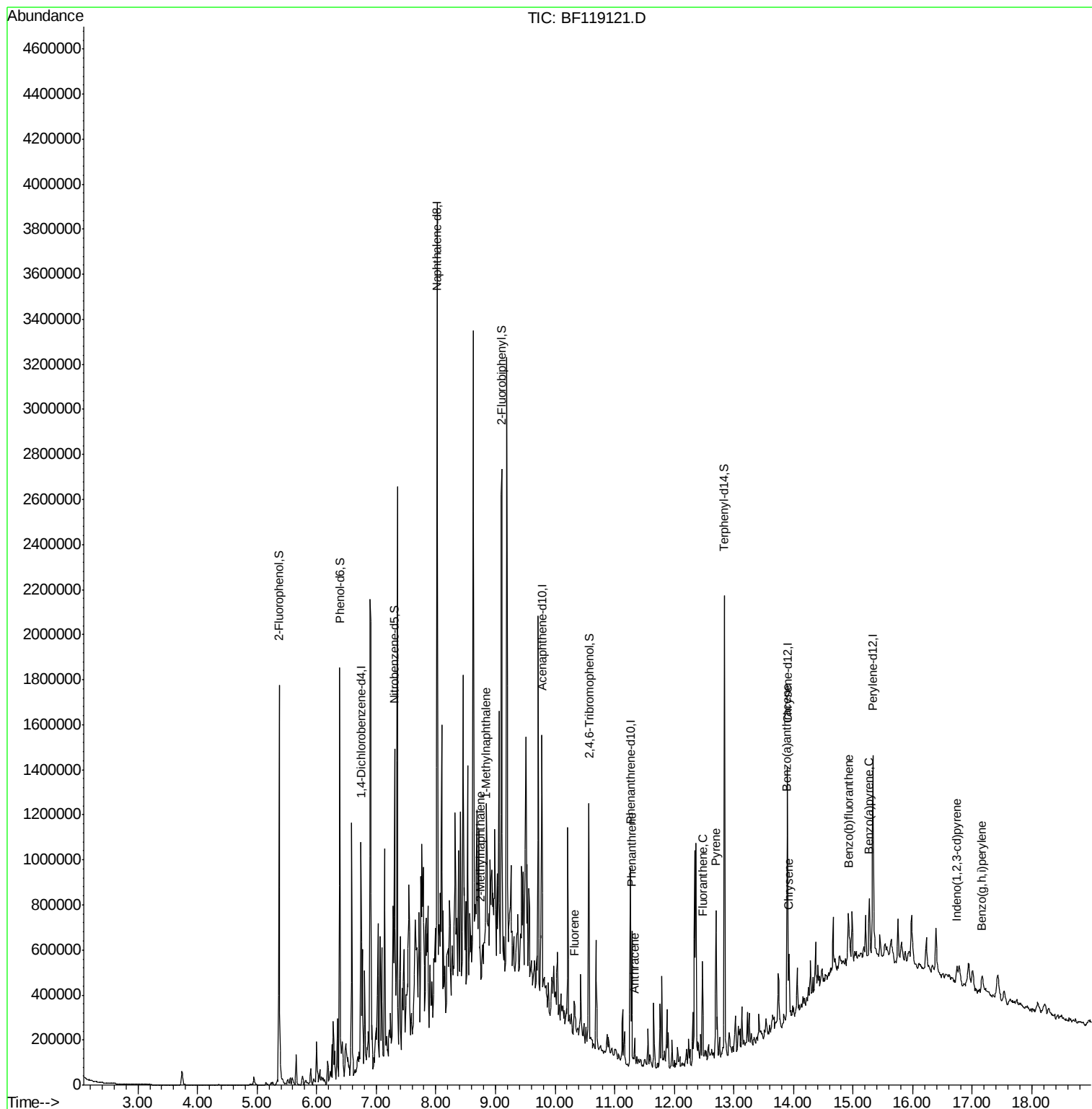
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
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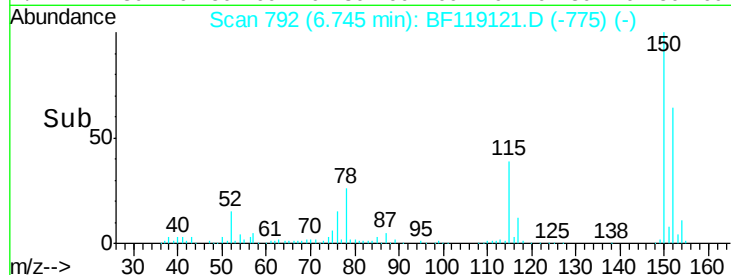
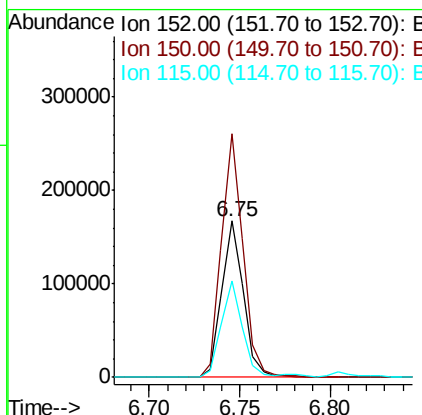
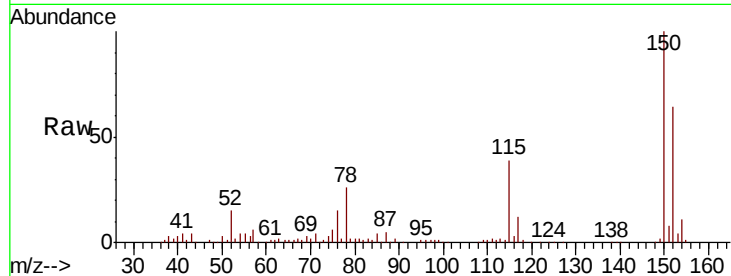
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.0	184.6
115	61.4	49.5	74.3

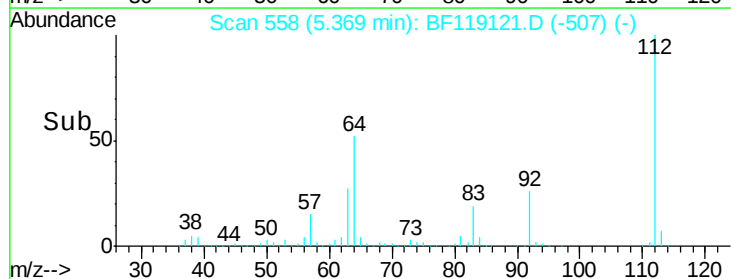
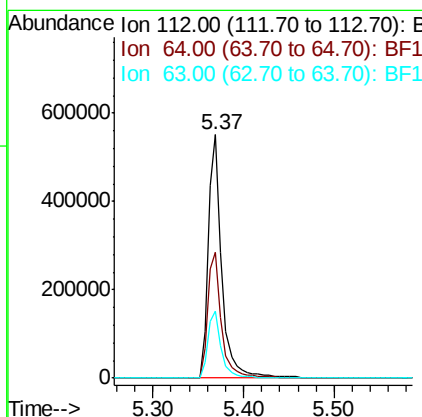
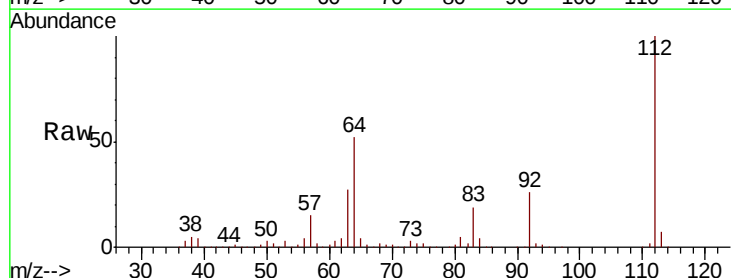
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#5
 2-Fluorophenol
 Concen: 69.971 ng
 RT: 5.37 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	45.0	67.4
63	27.4	24.2	36.4





#7

Phenol-d6

Concen: 65.879 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Instrument :

BNA_F

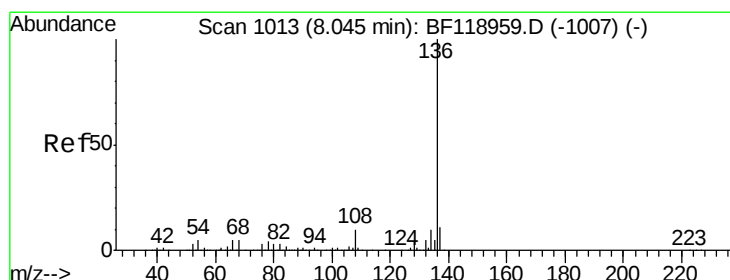
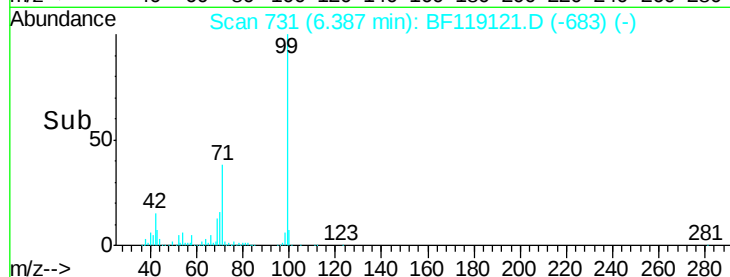
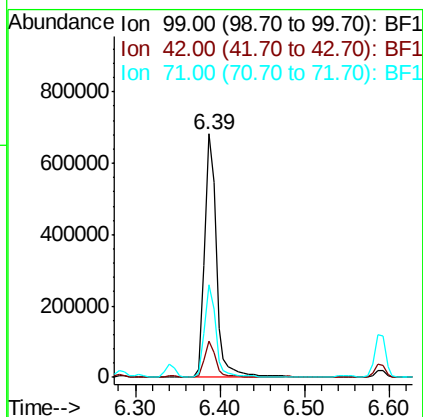
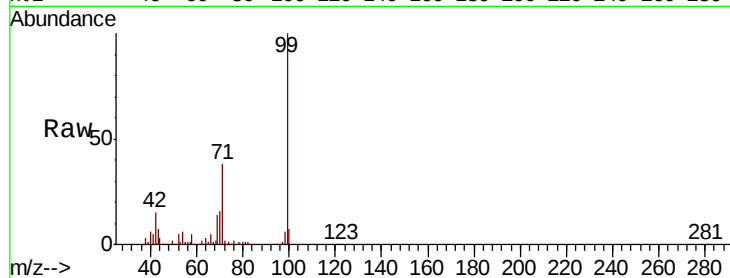
ClientSampleId :

HR-05-022620

Tot Ion:	99	Resp:	669368
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.6	18.8
71	38.0	31.0	46.4

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#21

Naphthalene-d8

Concen: 20.000 ng

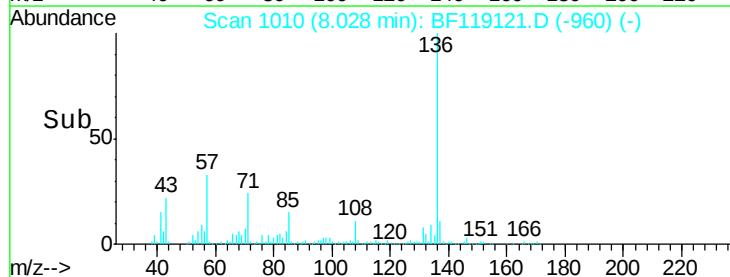
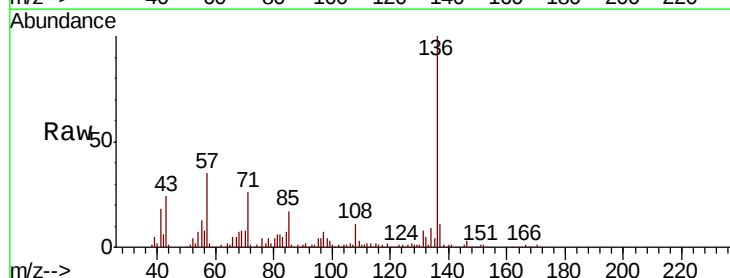
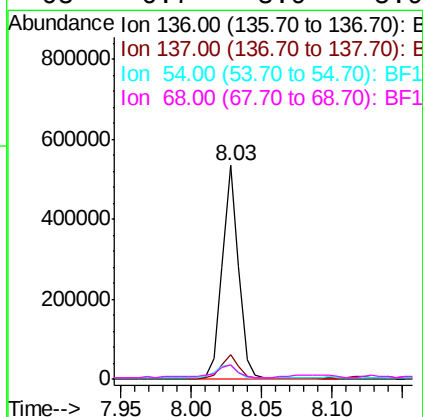
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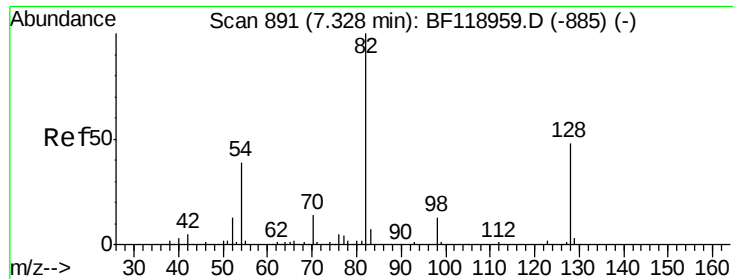
Delta R.T. -0.01 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Tgt Ion:	136	Resp:	428981
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.8	13.2
54	6.6	3.8	5.6#
68	6.7	3.9	5.9#





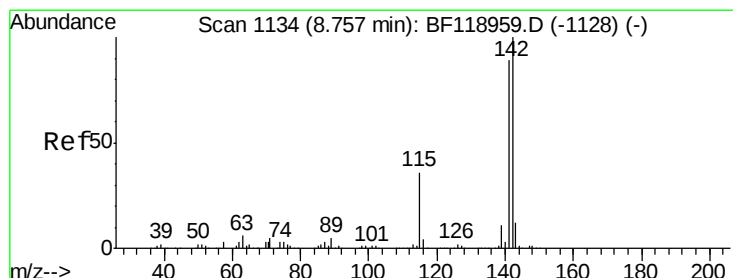
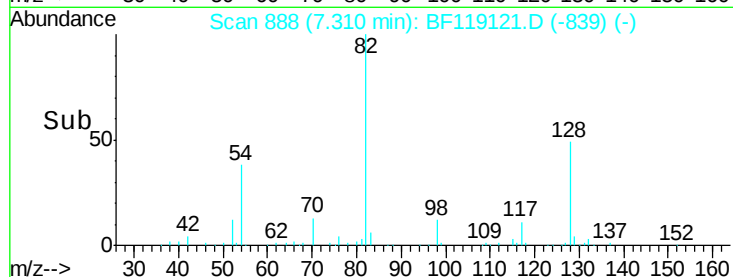
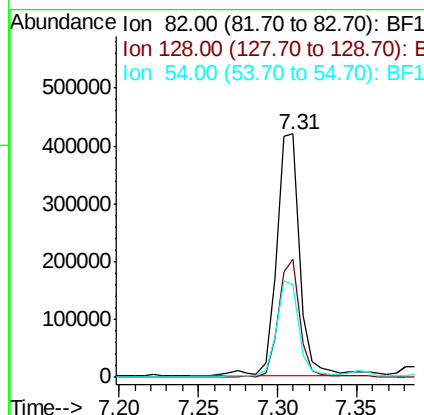
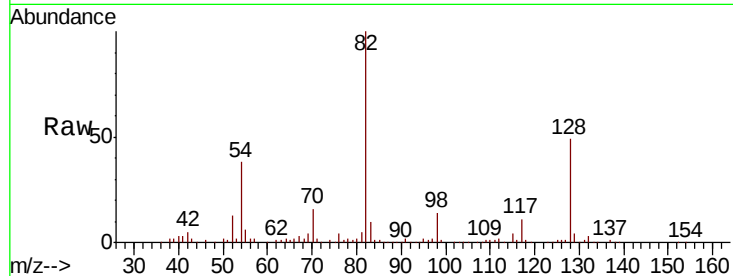
#23
Nitrobenzene-d5
Concen: 52.298 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Instrument :
BNA_F
ClientSampleId :
HR-05-022620

Tot Ion:	82	Resp:	424901
Ion Ratio	Lower	Upper	
82	100		
128	48.5	37.9	56.9
54	38.0	33.4	50.2

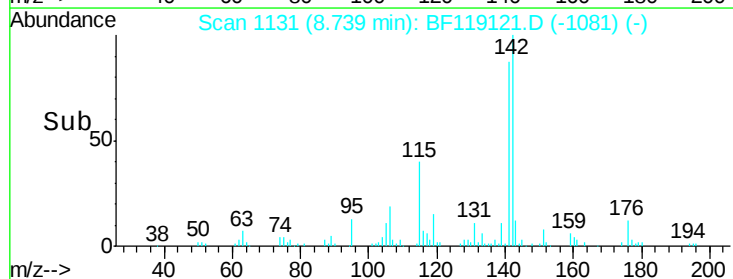
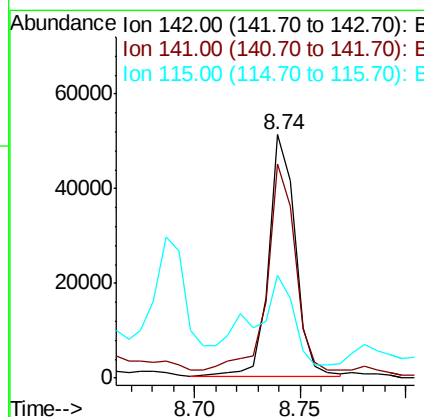
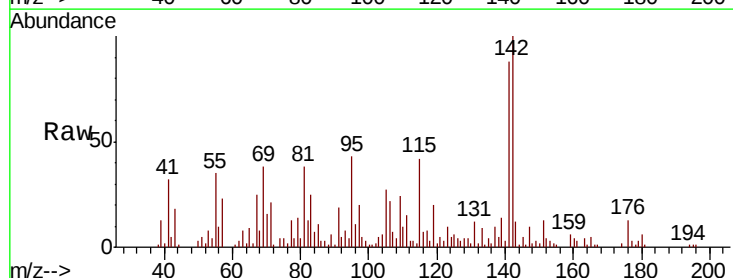
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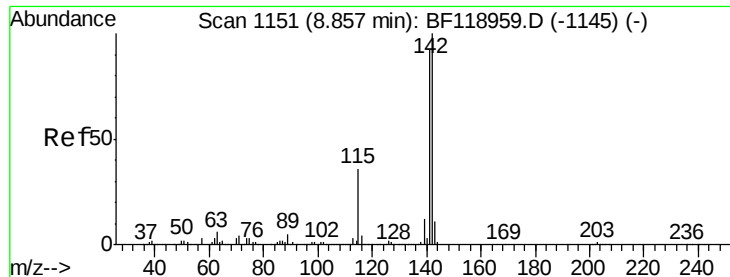
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#37
2-Methylnaphthalene
Concen: 2.971 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Tgt Ion:	142	Resp:	44479
Ion Ratio	Lower	Upper	
142	100		
141	87.9	72.3	108.5
115	42.5	30.6	45.8





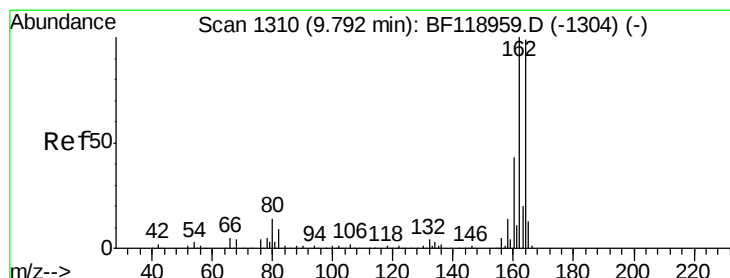
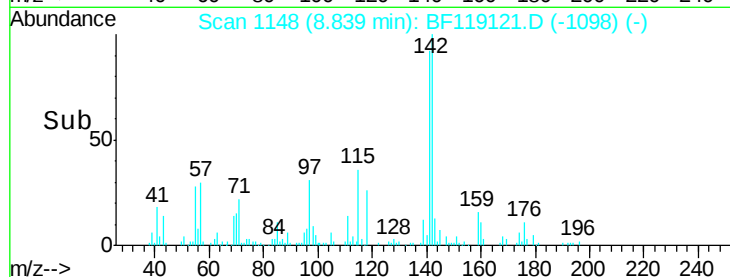
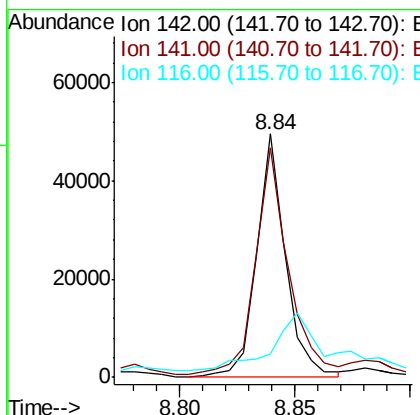
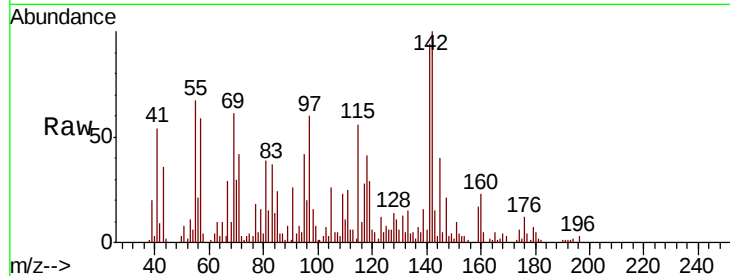
#38
1-Methylnaphthalene
Concen: 3.089 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Instrument :
BNA_F
ClientSampleId :
HR-05-022620

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.1	75.8	113.6
116	9.8	3.1	4.7#

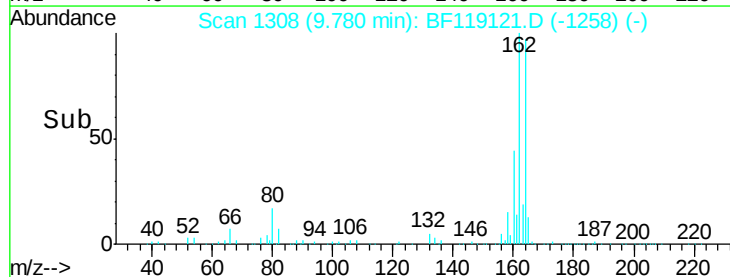
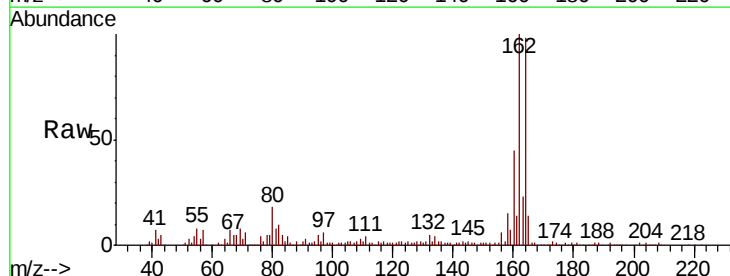
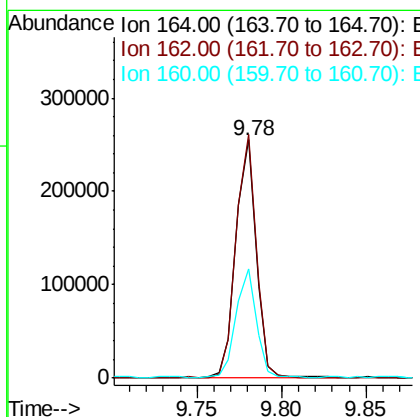
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.8
160	45.7	36.0	54.0





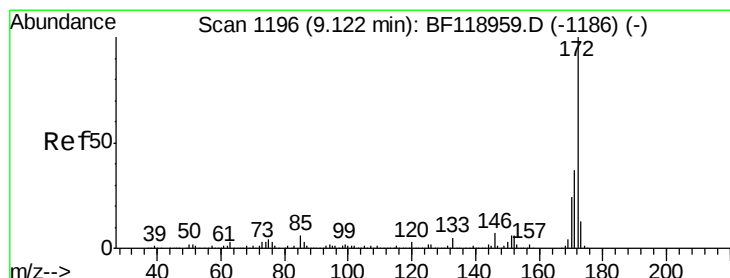
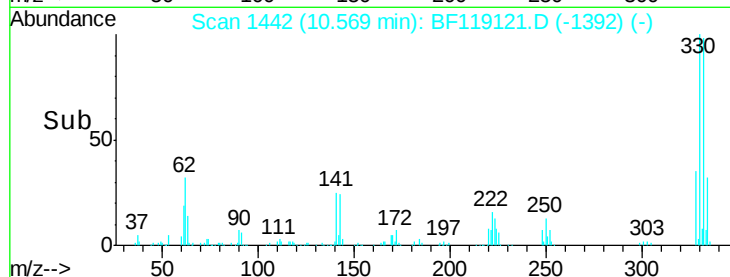
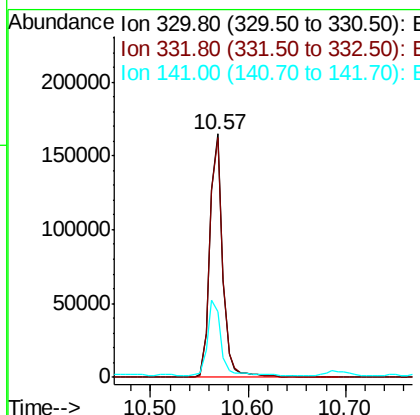
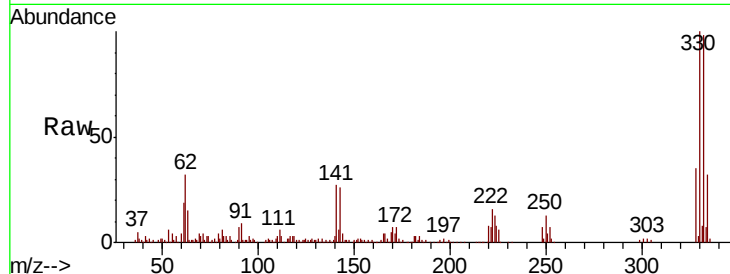
#42
 2,4,6-Tribromophenol
 Concen: 54.360 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620

Tot Ion	Ratio	Resp	Lower	Upper
330	100	151166		
332	99.5	76.0	114.0	
141	30.7	22.9	34.3	

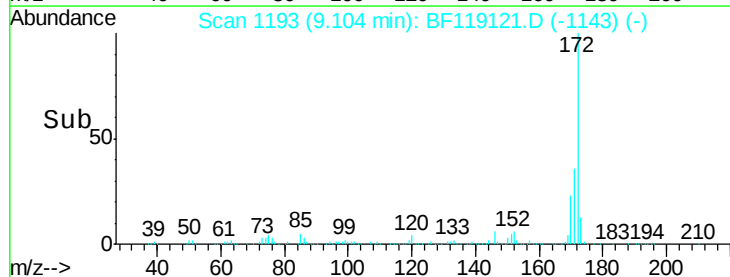
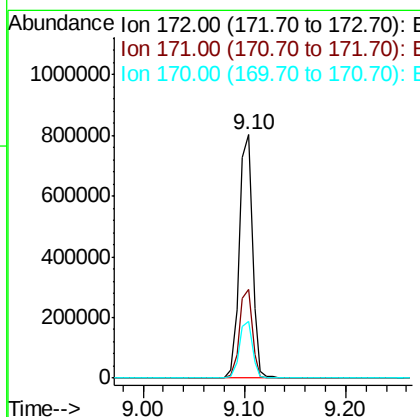
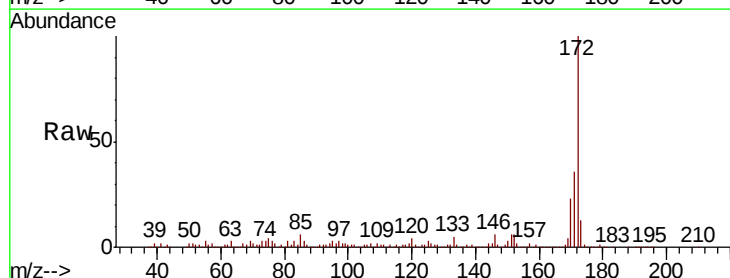
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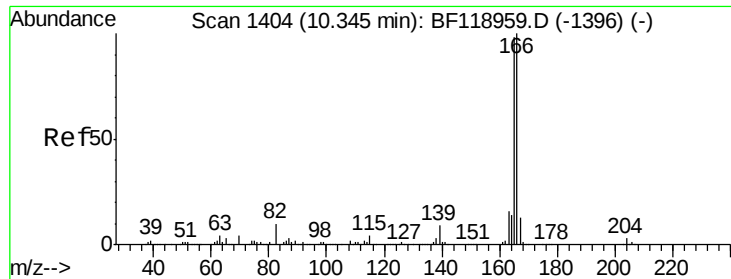
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#45
 2-Fluorobiphenyl
 Concen: 50.513 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	728884		
171	36.3	30.6	45.8	
170	23.4	20.2	30.2	





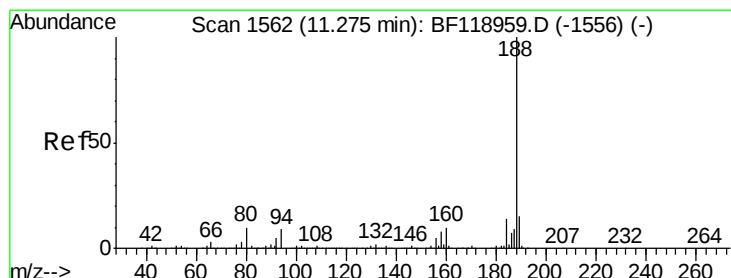
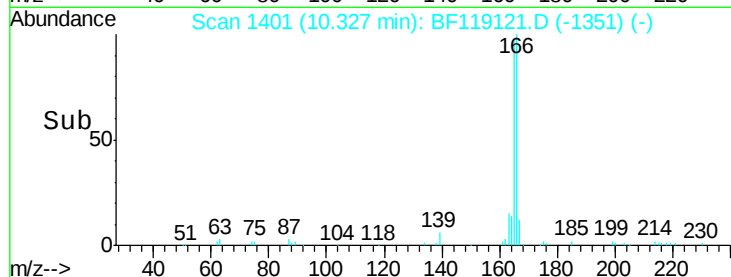
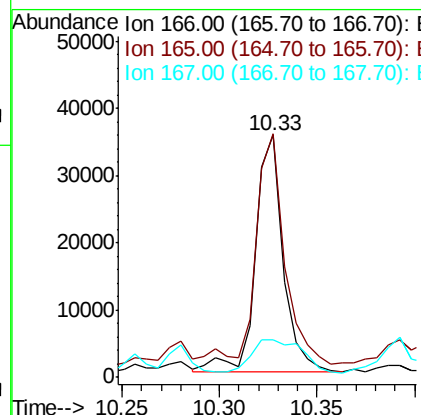
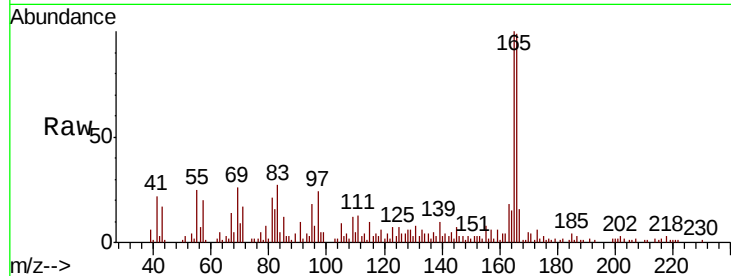
#58
 Fluorene
 Concen: 2.472 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.6	78.5	117.7
167	15.7	11.0	16.4

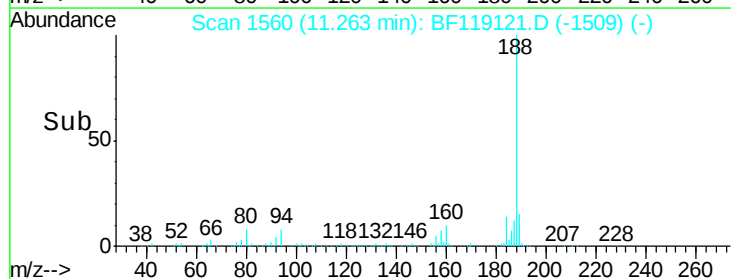
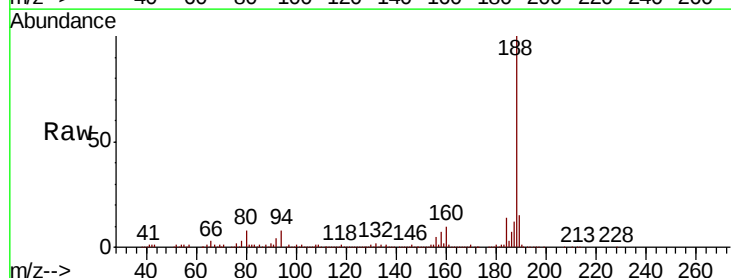
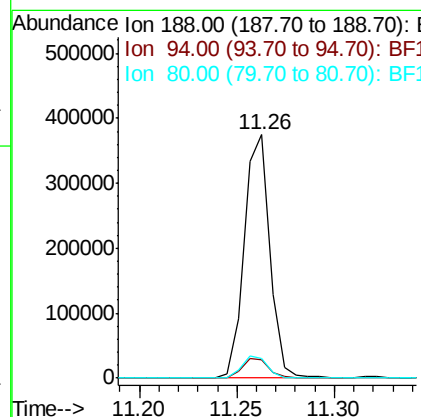
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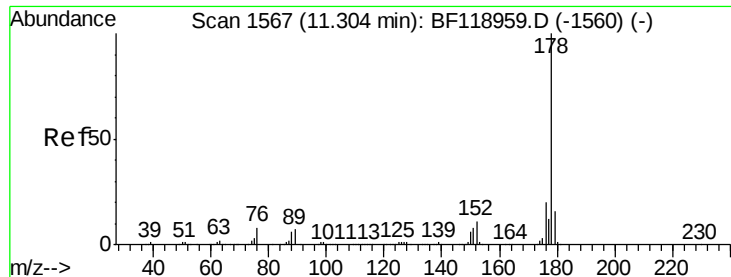
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	7.1	10.7
80	8.3	7.8	11.8





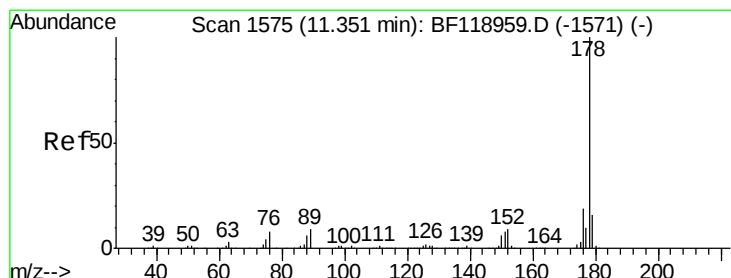
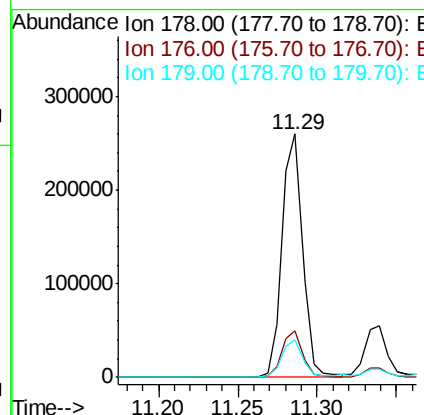
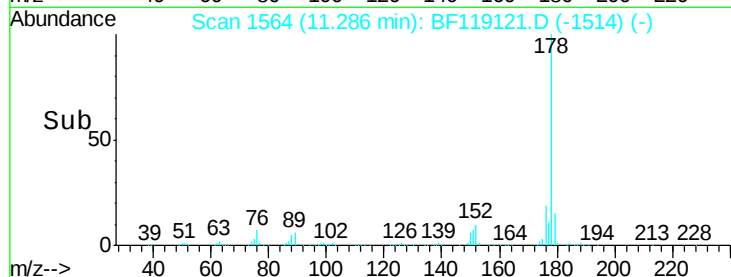
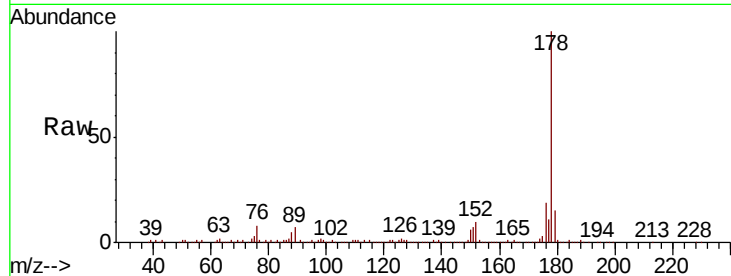
#71
Phenanthrene
Concen: 12.778 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Instrument :
BNA_F
ClientSampleId :
HR-05-022620

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.5	24.7
179	15.4	13.0	19.6

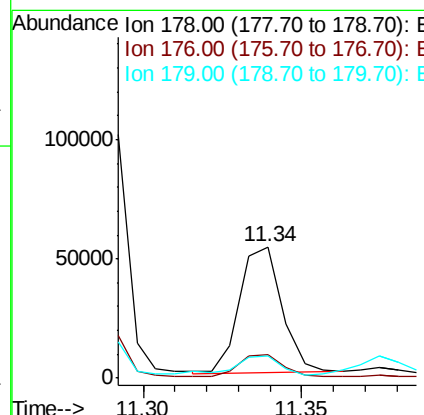
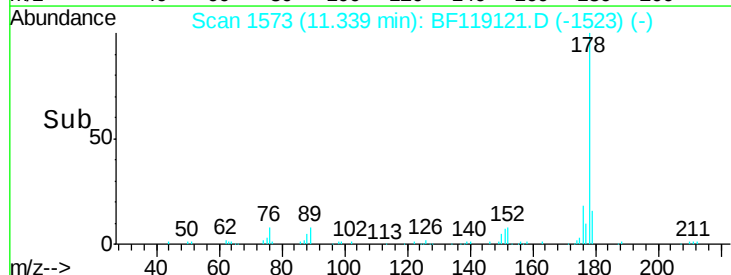
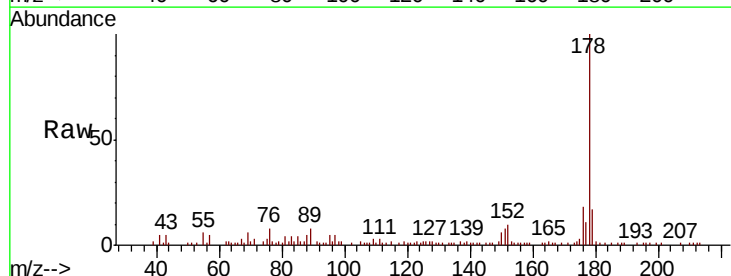
Manual Integrations
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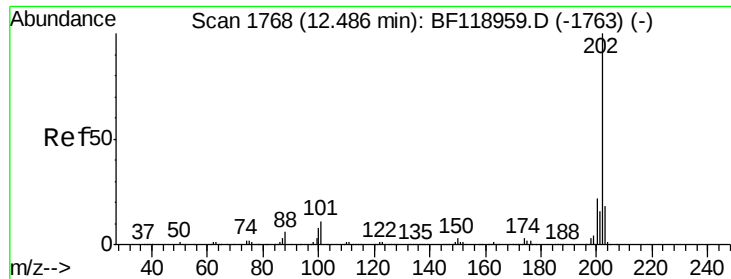
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#72
Anthracene
Concen: 2.648 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.0	24.0
179	16.8	13.1	19.7





#75

Fluoranthene

Concen: 8.901 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Instrument :

BNA_F

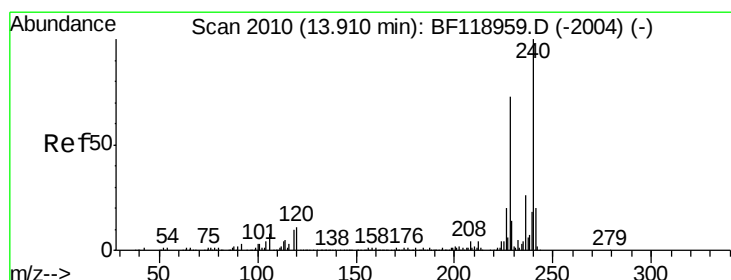
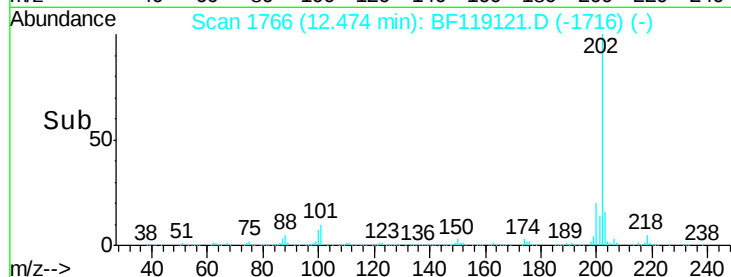
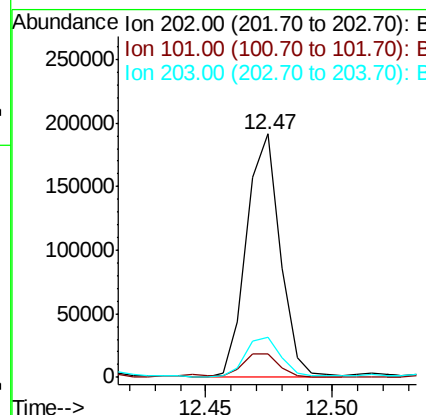
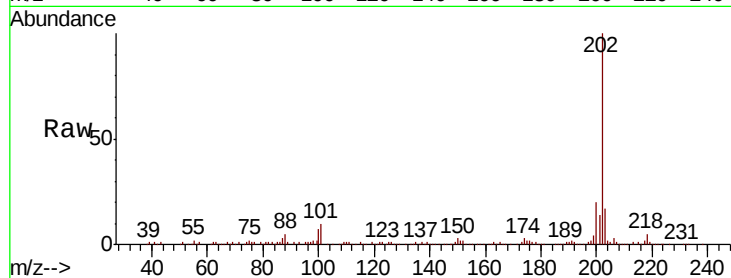
ClientSampleId :

HR-05-022620

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		175278		
101	9.7	0.0	30.3		
203	16.7	0.0	38.4		

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#76

Chrysene-d12

Concen: 20.000 ng

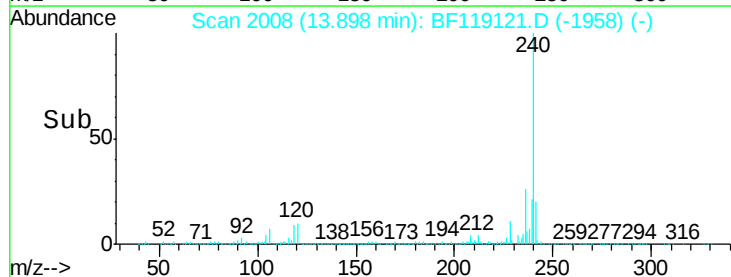
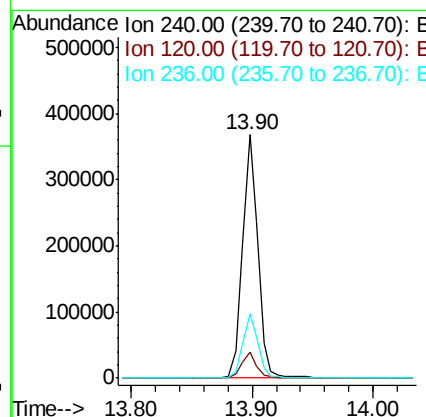
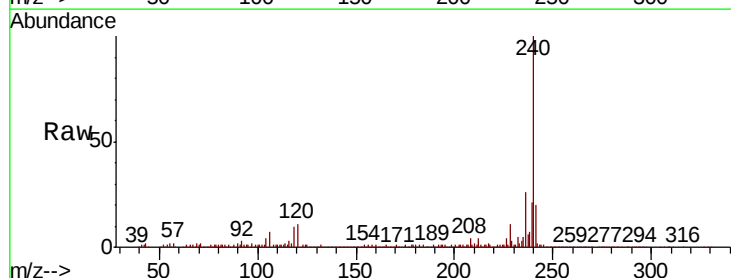
RT: 13.90 min Scan# 2008

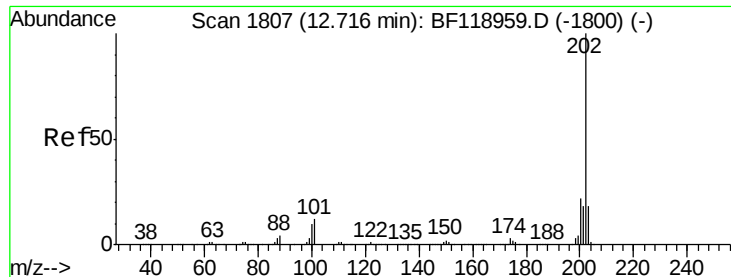
Delta R.T. -0.01 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		326333		
120	10.7	8.4	12.6		
236	26.3	21.0	31.4		





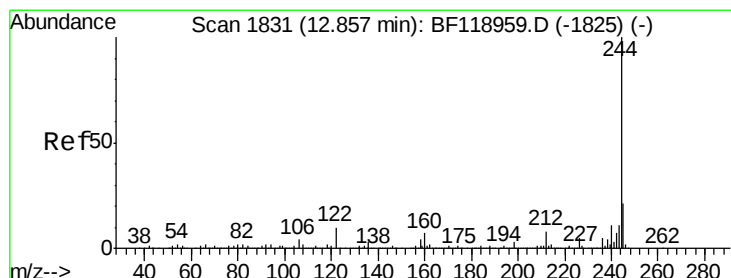
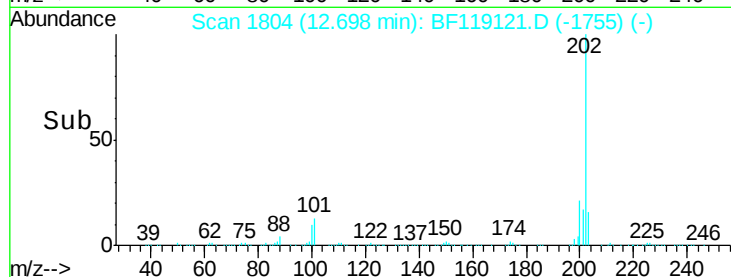
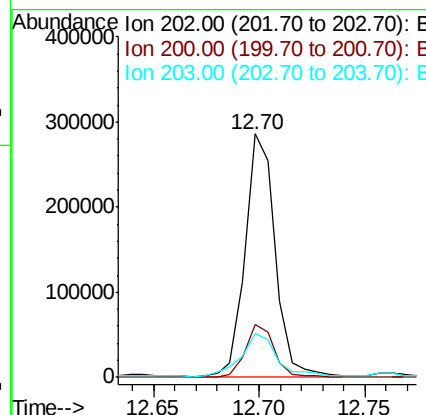
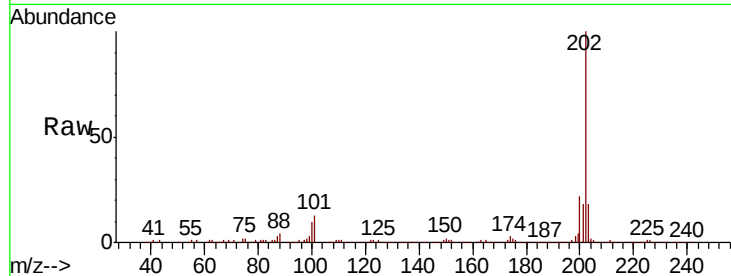
#78
Pvrene
Concen: 10.667 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Instrument :
BNA_F
ClientSampleId :
HR-05-022620

Tot Ion	Ratio	Resp	Lower	Upper
202	100	279530		
200	21.5		18.0	27.0
203	18.0		14.6	22.0

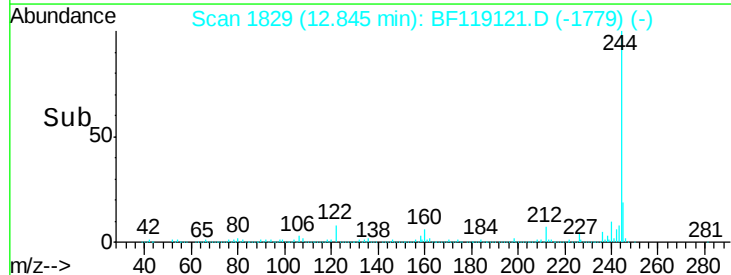
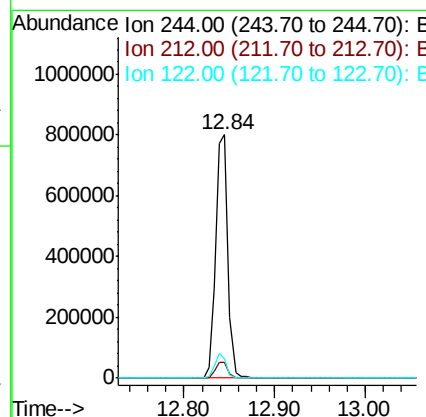
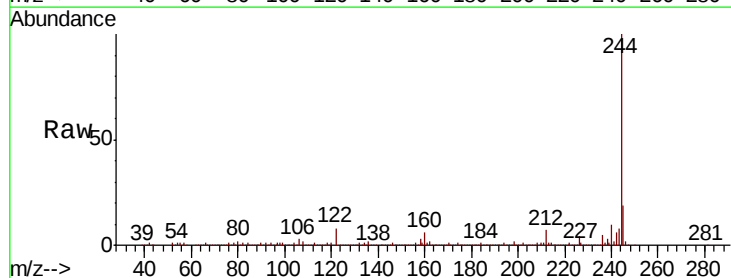
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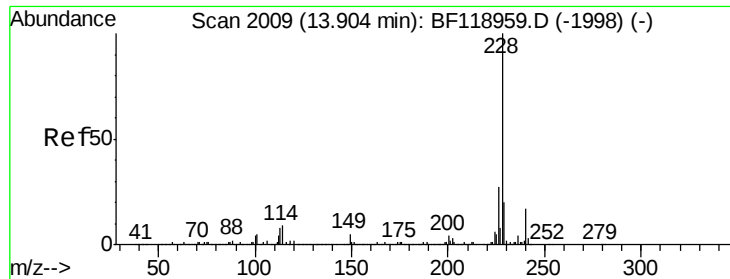
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#79
Terphenyl-d14
Concen: 40.166 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	761329		
212	6.7		6.6	10.0
122	8.2		8.2	12.2





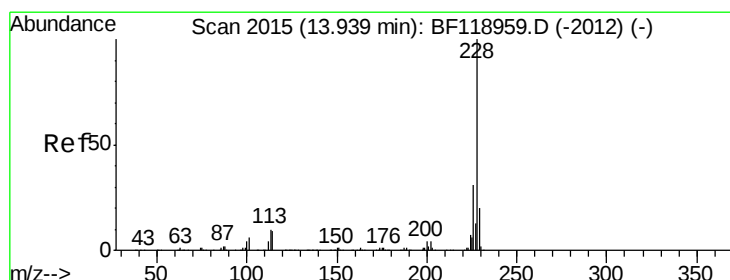
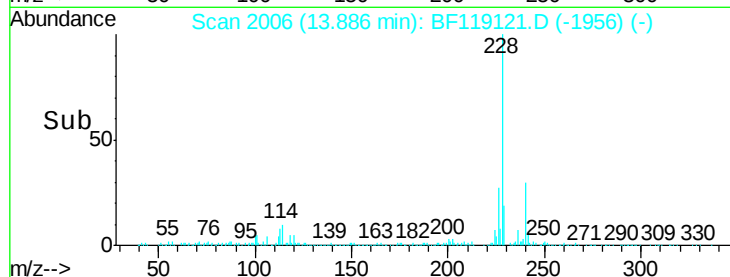
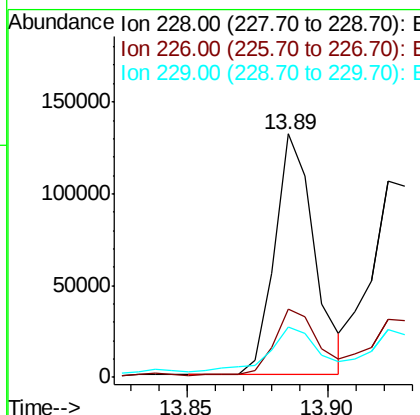
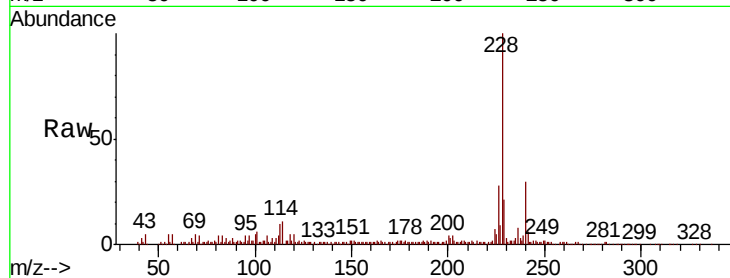
#81
Benzo(a)anthracene
Concen: 5.805 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Instrument :
BNA_F
ClientSampleId :
HR-05-022620

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.8	16.6	24.8

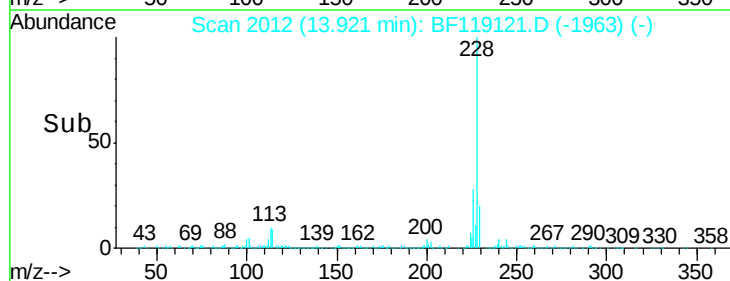
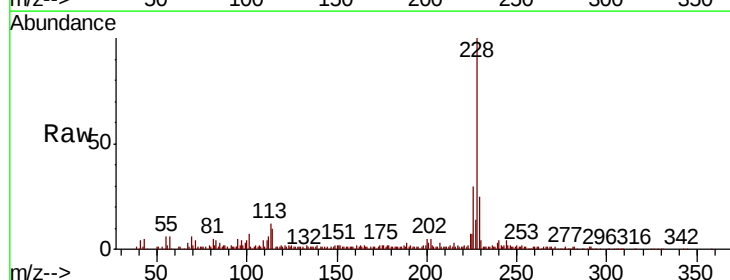
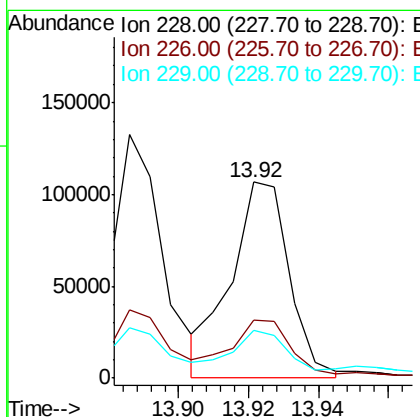
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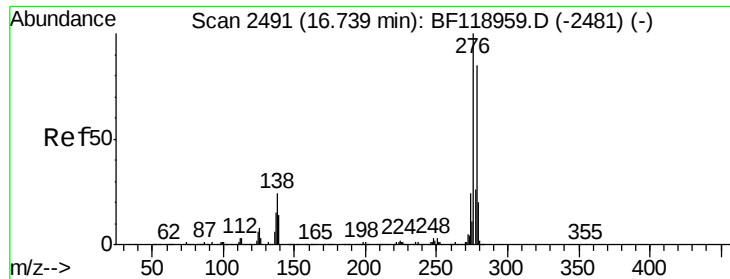
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#83
Chrysene
Concen: 5.612 ng m
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.1	37.7
229	24.6	16.3	24.5#





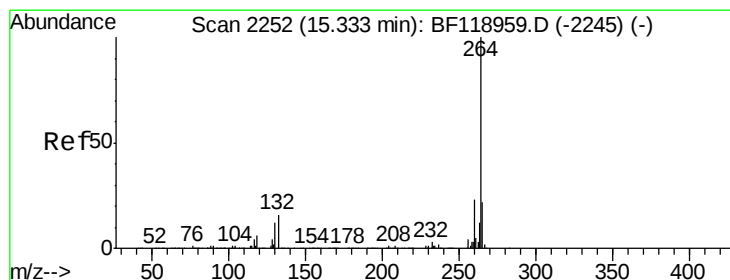
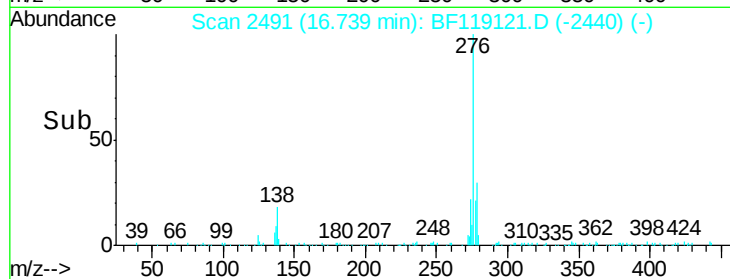
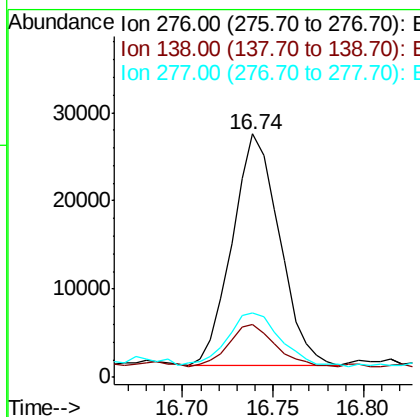
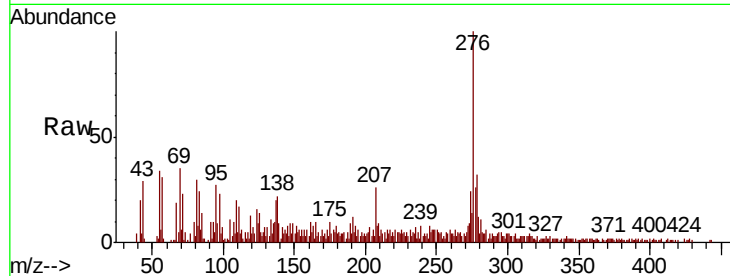
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.211 ng
 RT: 16.74 min Scan# 2491
 Delta R.T. -0.00 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	17.4	26.0
277	26.8	20.3	30.5

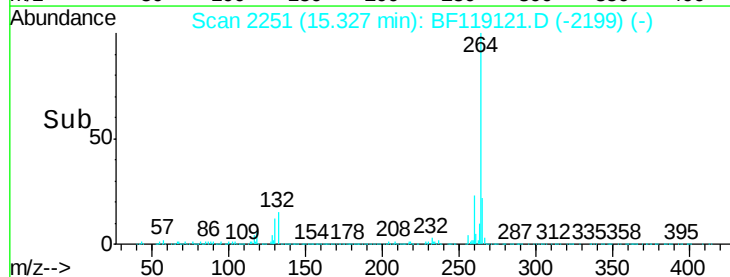
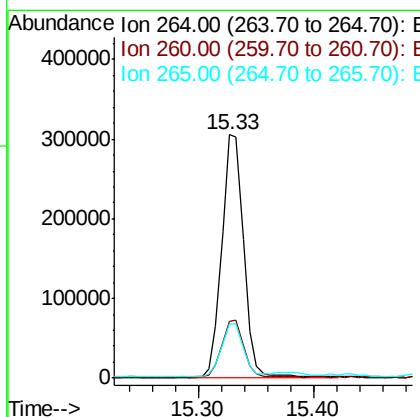
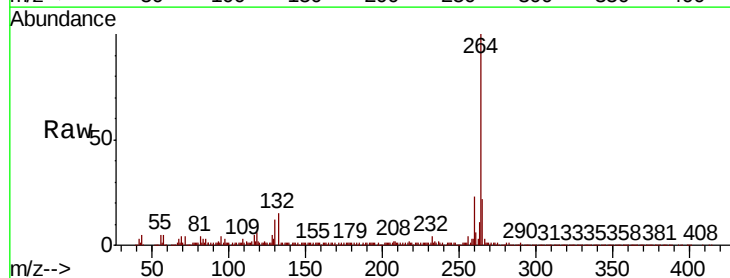
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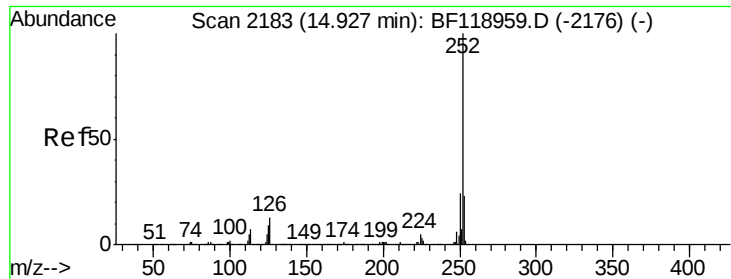
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.2
265	22.2	17.7	26.5





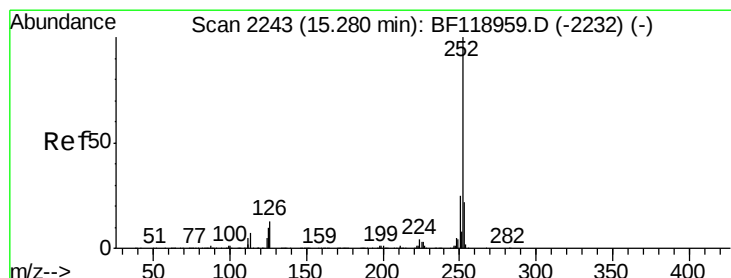
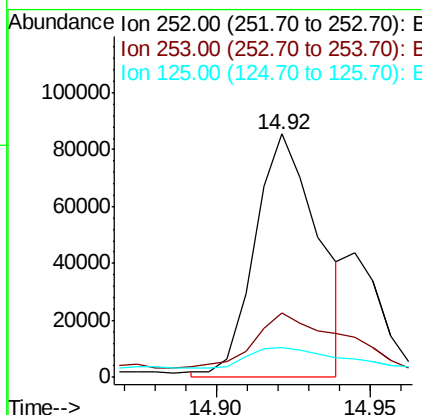
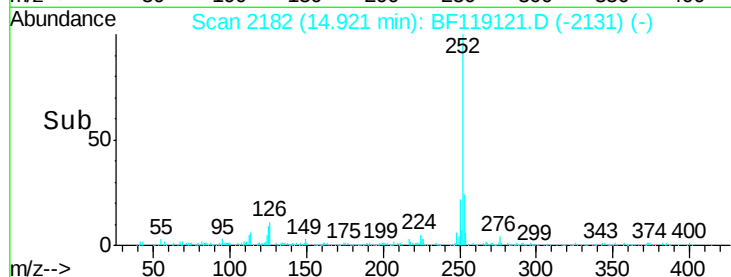
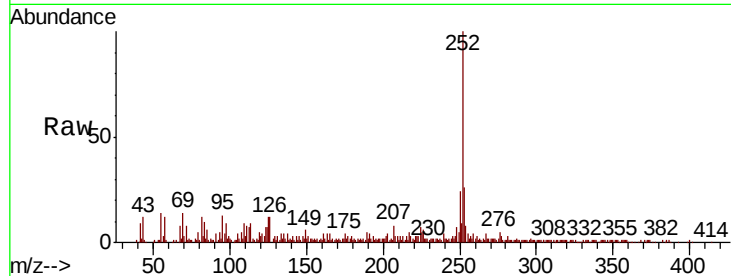
#88
Benzo(b)fluoranthene
Concen: 4.725 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Instrument :
BNA_F
ClientSampleId :
HR-05-022620

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.1	27.1
125	12.4	7.4	11.0

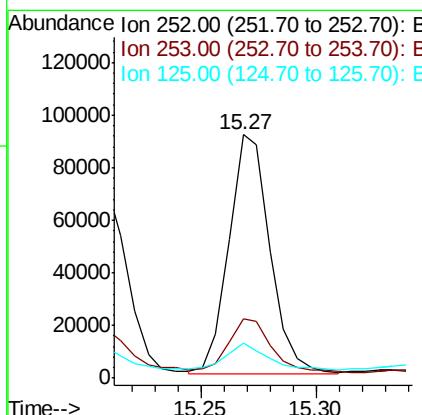
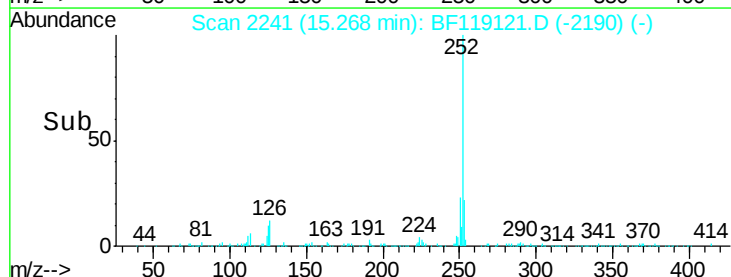
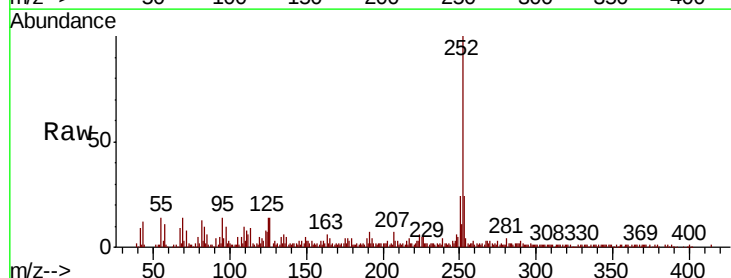
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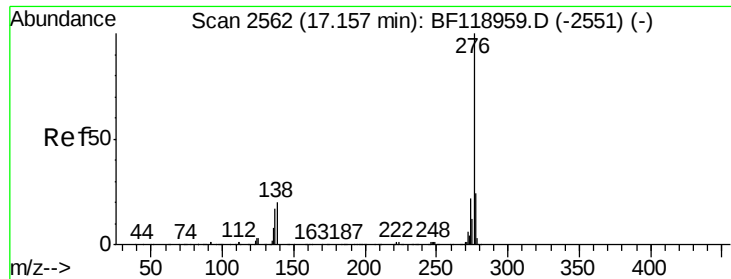
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#90
Benzo(a)pyrene
Concen: 4.760 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	14.4	8.6	12.8





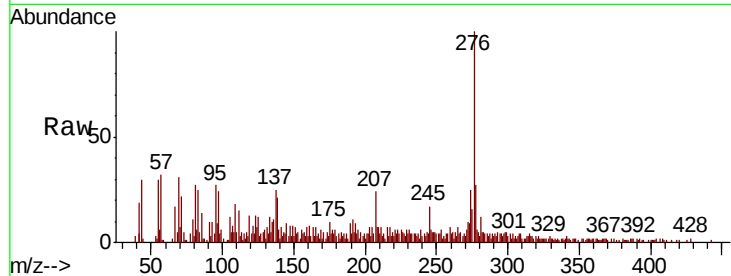
#92
 Benzo(a,h,i)perylene
 Concen: 2.672 ng
 RT: 17.16 min Scan# 2563
 Delta R.T. 0.01 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-022620

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	18.7	28.1
138	21.3	14.3	21.5

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

