

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
 Data File : BF119176.D
 Acq On : 2 Mar 2020 18:52
 Operator : CG/JU
 Sample : L1369-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-022820

Manual Integrations
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Quant Time: Mar 03 08:09:27 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	6.73	152	122527	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	463442	20.00	ng	-0.02
39) Acenaphthene-d10	9.77	164	239508	20.00	ng	-0.02
64) Phenanthrene-d10	11.26	188	386720	20.00	ng	0.00
76) Chrysene-d12	13.90	240	301677	20.00	ng	0.00
87) Perylene-d12	15.32	264	299310	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	297870	40.63	ng	-0.01
7) Phenol-d6	6.38	99	357486	40.09	ng	-0.02
23) Nitrobenzene-d5	7.30	82	223633	25.48	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	99090	31.63	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	448777	27.60	ng	-0.02
79) Terphenyl-d14	12.83	244	462123	26.37	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.04	128	355926	14.809	ng	97
37) 2-Methylnaphthalene	8.73	142	243661	15.064	ng	99
38) 1-Methylnaphthalene	8.83	142	233886	15.375	ng	99
46) 1,1'-Biphenyl	9.19	154	80019	4.134	ng	96
49) Acenaphthylene	9.63	152	184698	8.198	ng	97
52) Acenaphthene	9.80	154	174878	12.873	ng	97
55) Dibenzofuran	9.97	168	300546	14.822	ng	93
58) Fluorene	10.32	166	522676	33.173	ng	100
71) Phenanthrene	11.29	178	2329973	110.479	ng	100
72) Anthracene	11.33	178	680012	32.270	ng	98
73) Carbazole	11.49	167	151900	8.092	ng	98
75) Fluoranthene	12.47	202	2093948	93.537	ng	98
78) Pvrene	12.70	202	2016514	83.243	ng	100
81) Benzo(a)anthracene	13.89	228	1106145	53.813	ng	96
83) Chrysene	13.92	228	911633	44.510	ng	97
86) Indeno(1,2,3-cd)pyrene	16.73	276	371773	18.746	ng	96
88) Benzo(b)fluoranthene	14.92	252	1055741m	53.512	ng	
89) Benzo(k)fluoranthene	14.94	252	407131m	22.268	ng	
90) Benzo(a)pvrene	15.27	252	783363	43.995	ng	98
91) Dibenzo(a,h)anthracene	16.73	278	108395	6.919	ng	# 78
92) Benzo(g,h,i)perylene	17.16	276	344258	22.239	ng	97

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

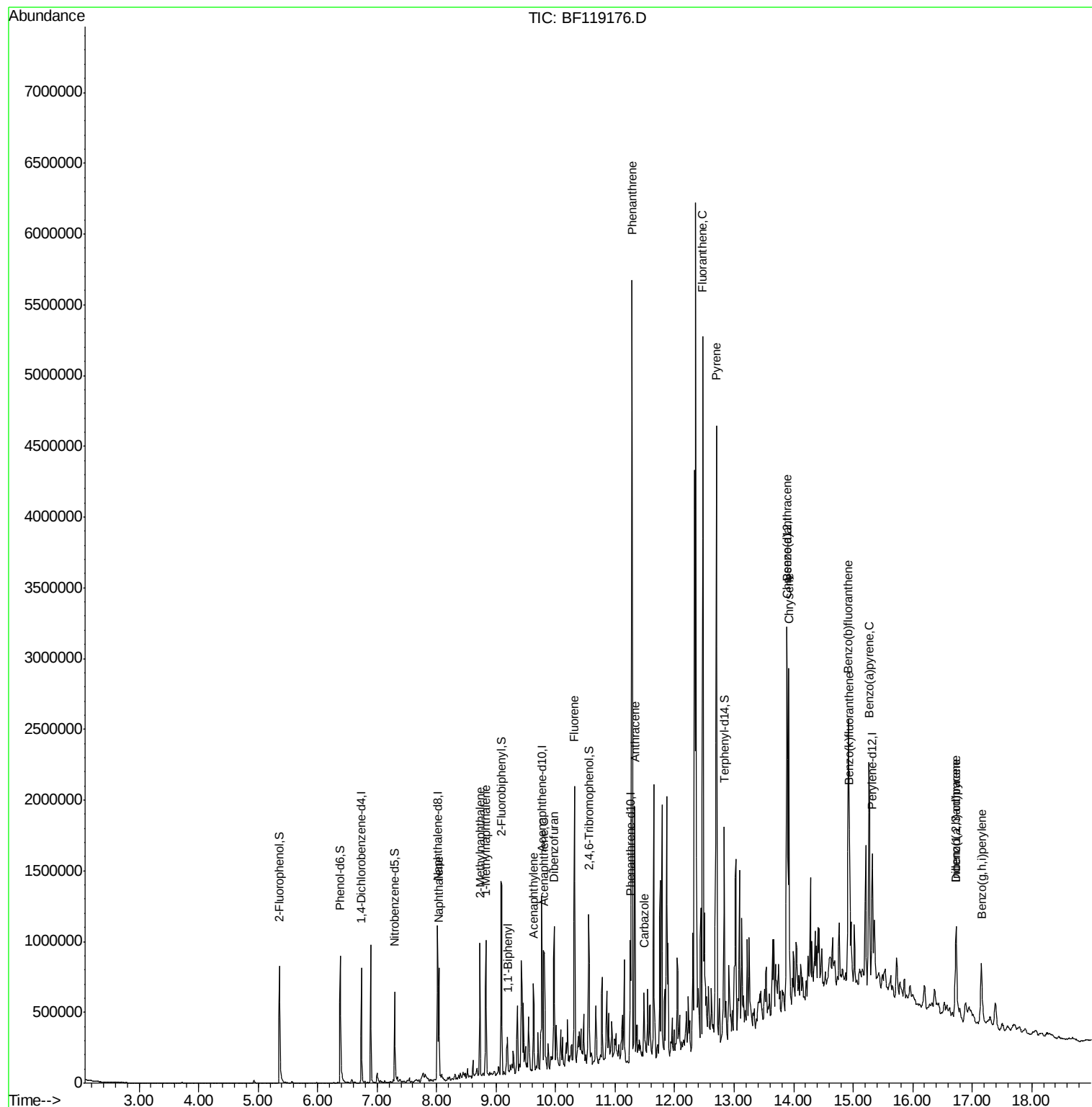
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

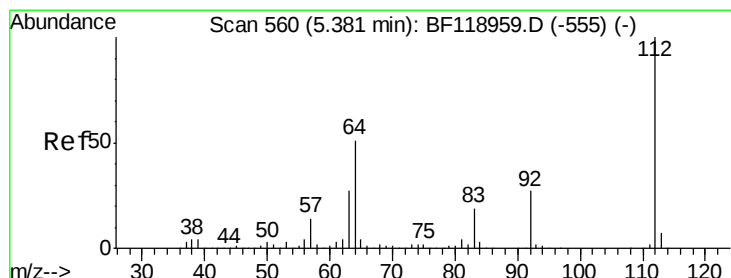
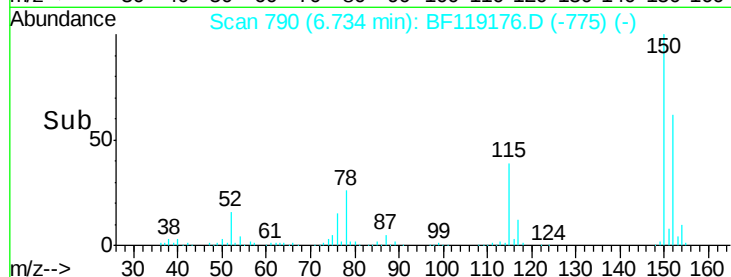
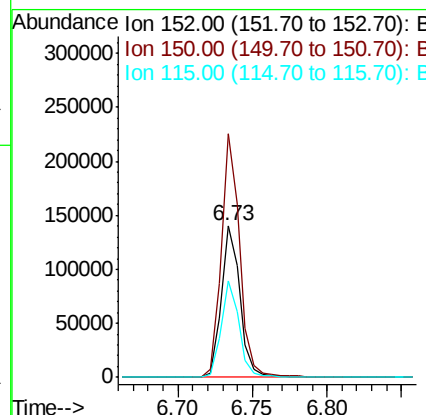
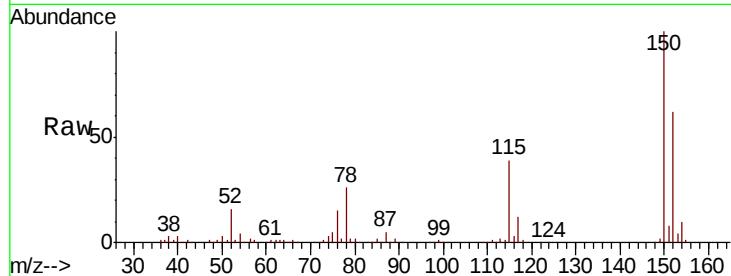
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Instrument :
BNA_F
ClientSampleId :
PL-02-022820

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	123.0	184.6
115	63.1	49.5	74.3

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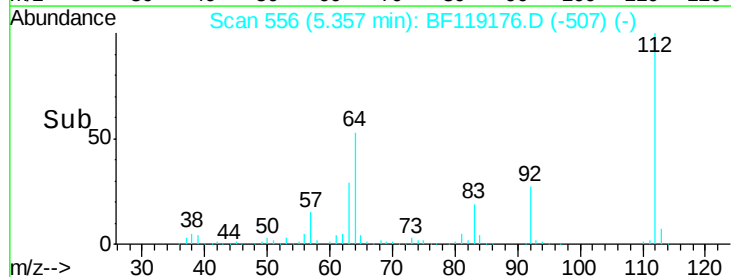
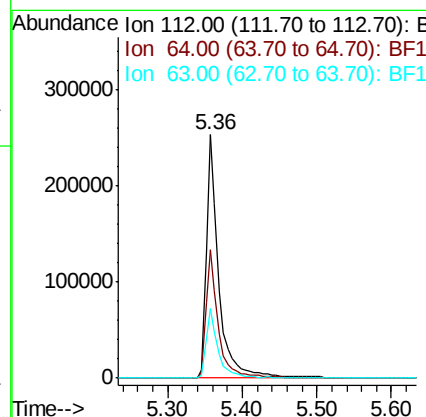
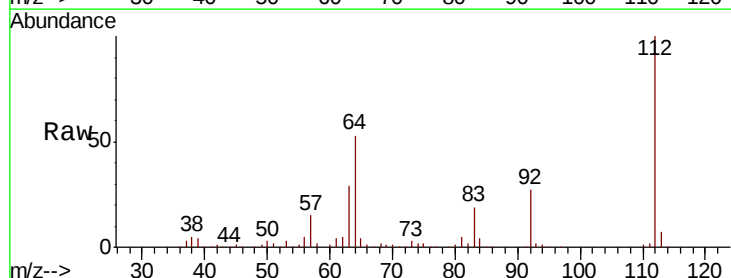
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#5

2-Fluorophenol
Concen: 40.627 ng
RT: 5.36 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	45.0	67.4
63	28.6	24.2	36.4





#7

Phenol-d6

Concen: 40.091 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119176.D

Acq: 2 Mar 2020 18:52

Instrument :

BNA_F

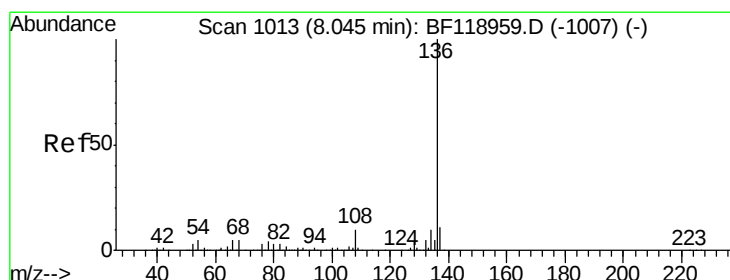
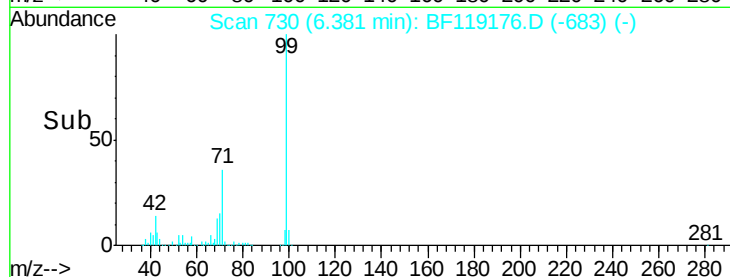
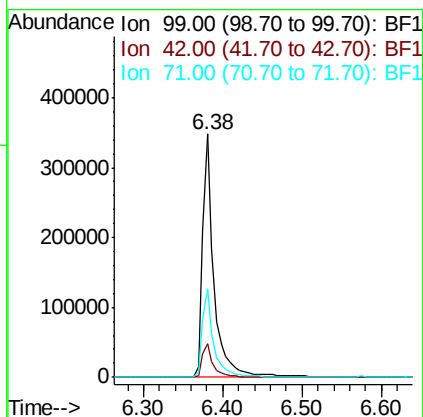
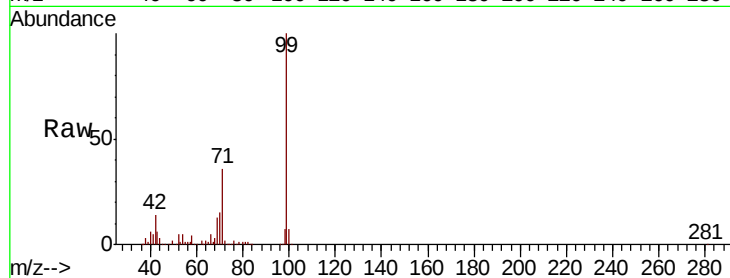
ClientSampleId :

PL-02-022820

Tot Ion:	99	Resp:	357486
Ion	Ratio	Lower	Upper
99	100		
42	13.6	12.6	18.8
71	36.4	31.0	46.4

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#21

Naphthalene-d8

Concen: 20.000 ng

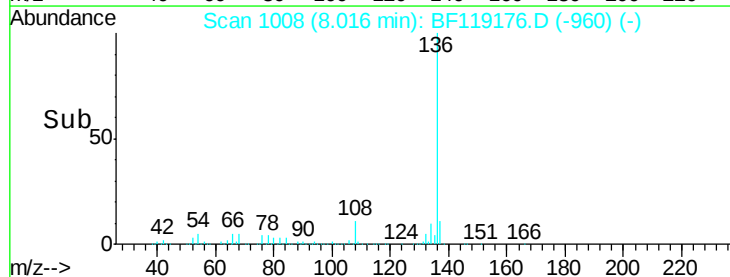
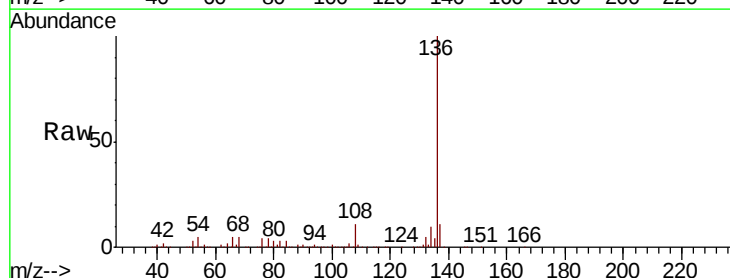
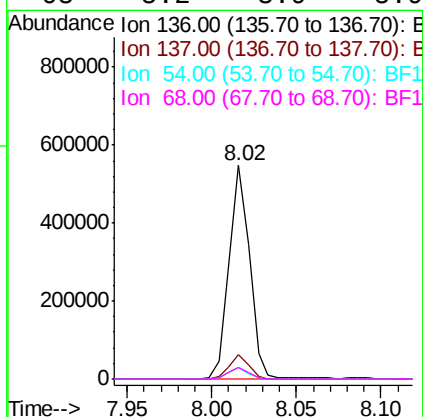
RT: 8.02 min Scan# 1008

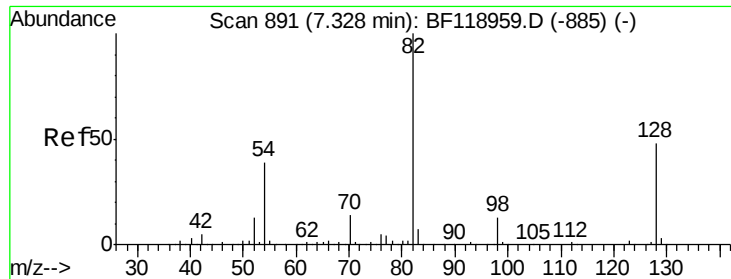
Delta R.T. -0.02 min

Lab File: BF119176.D

Acq: 2 Mar 2020 18:52

Tgt Ion:	136	Resp:	463442
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	5.3	3.8	5.6
68	5.2	3.9	5.9





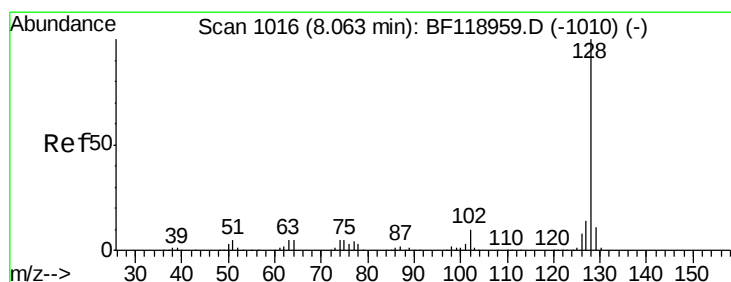
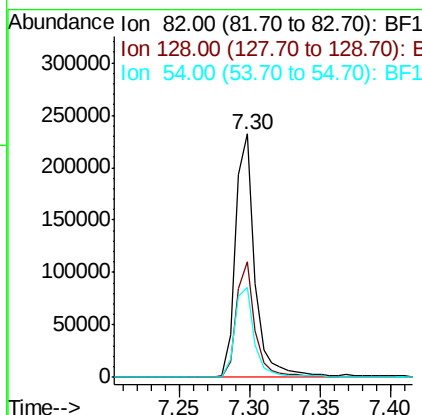
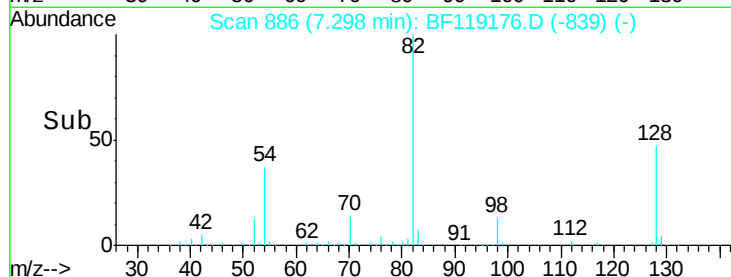
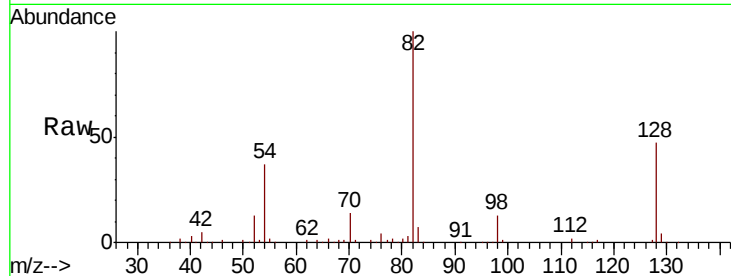
#23
Nitrobenzene-d5
Concen: 25.479 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Instrument :
BNA_F
ClientSampleId :
PL-02-022820

Tot Ion	82	Resp	223633
Ion Ratio	100	Lower	Upper
82	100		
128	47.3	37.9	56.9
54	37.0	33.4	50.2

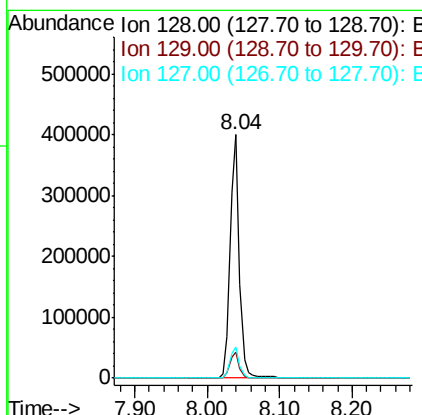
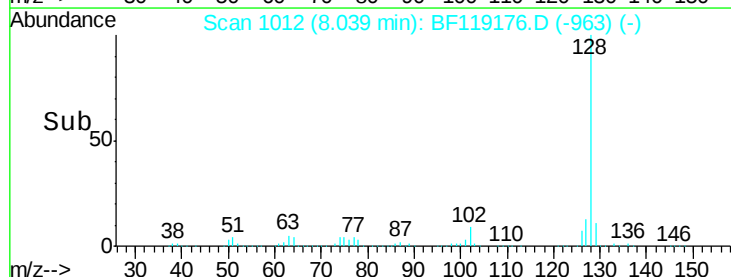
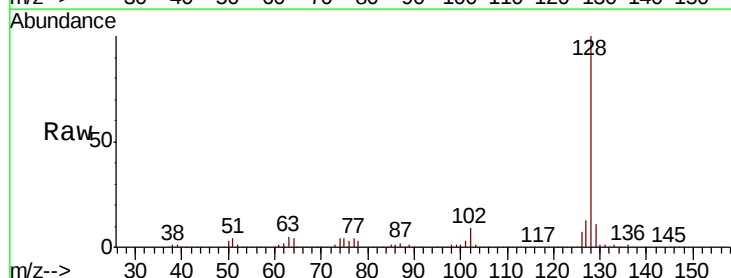
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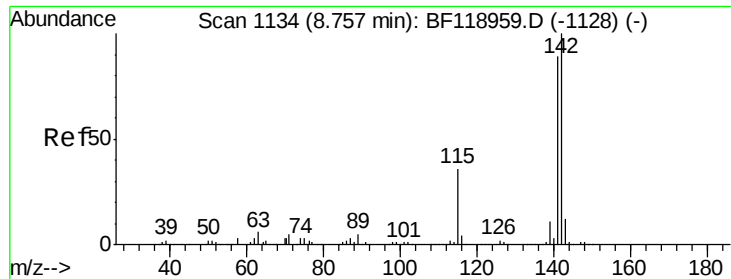
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#31
Naphthalene
Concen: 14.809 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Tgt Ion	128	Resp	355926
Ion Ratio	100	Lower	Upper
128	100		
129	10.9	9.4	14.2
127	12.9	11.4	17.2





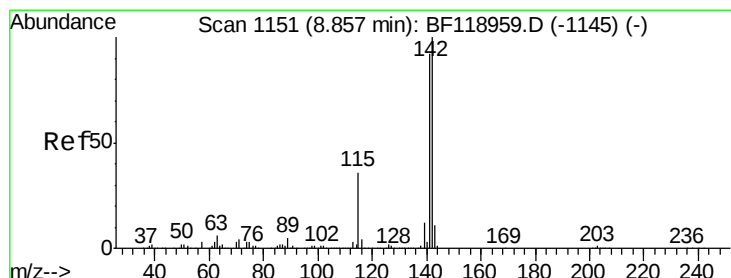
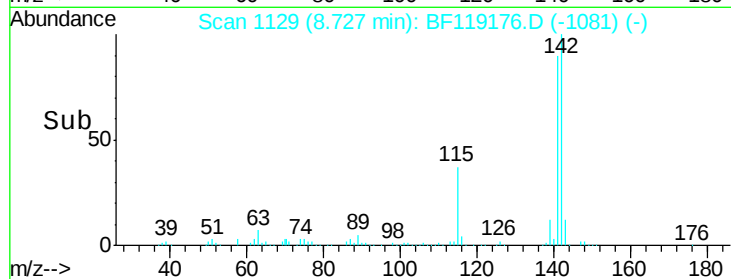
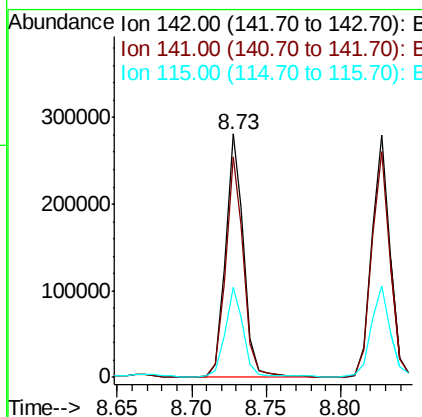
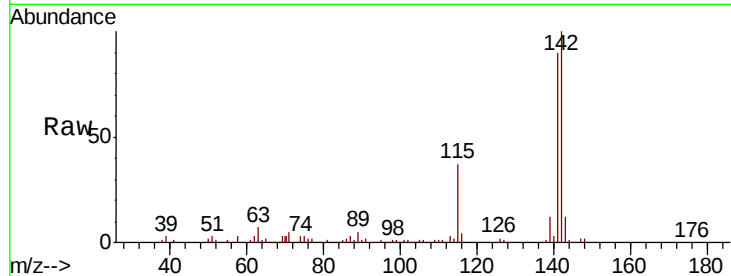
#37
 2-Methylnaphthalene
 Concen: 15.064 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. -0.02 min
 Lab File: BF119176.D
 Acq: 2 Mar 2020 18:52

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-022820

Tot Ion	Ratio	Resp	Lower	Upper
142	100	243661		
141	90.5	72.3	108.5	
115	36.8	30.6	45.8	

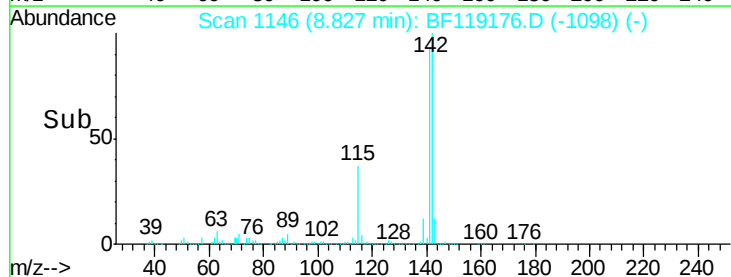
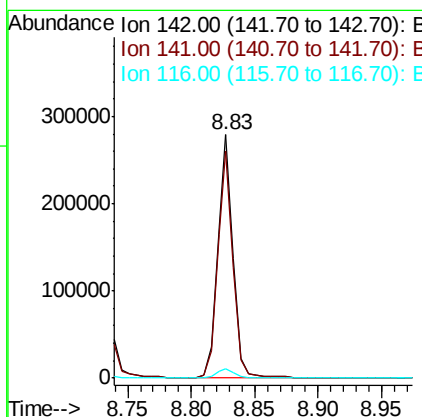
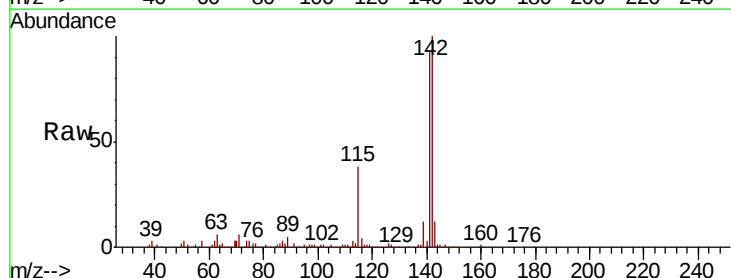
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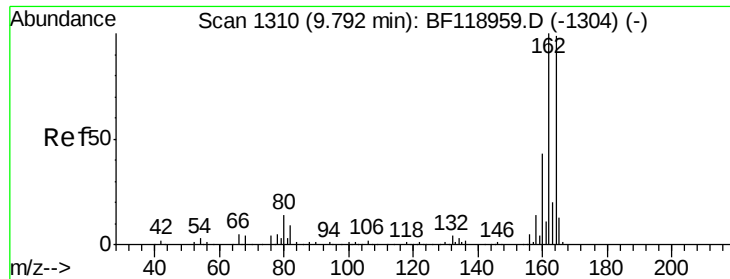
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#38
 1-Methylnaphthalene
 Concen: 15.375 ng
 RT: 8.83 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BF119176.D
 Acq: 2 Mar 2020 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	233886		
141	93.2	75.8	113.6	
116	3.8	3.1	4.7	





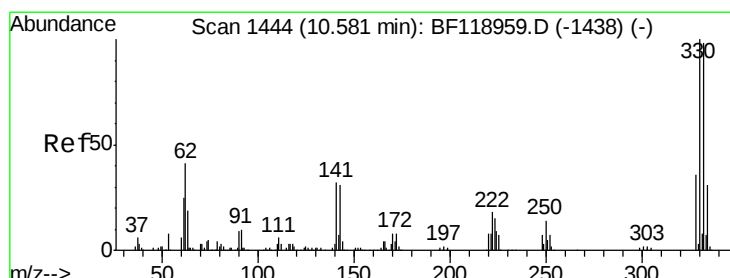
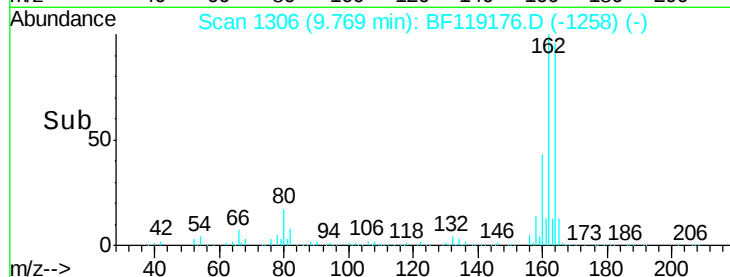
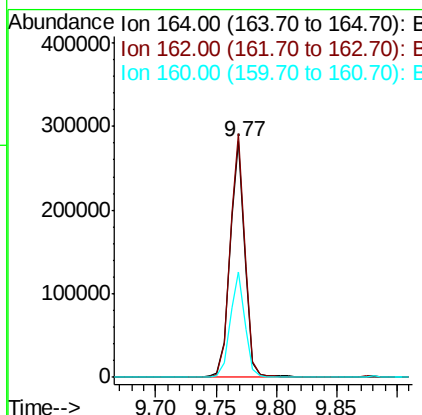
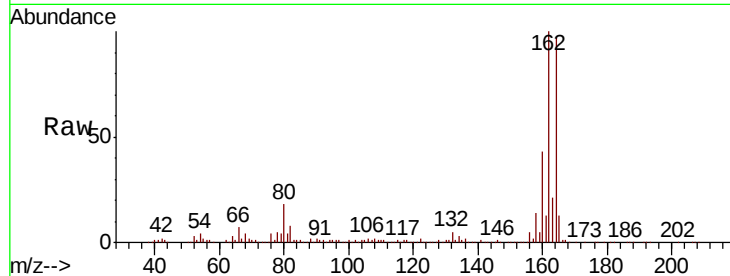
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Instrument :
BNA_F
ClientSampleId :
PL-02-022820

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.4	81.8	122.8	
160	44.6	36.0	54.0	

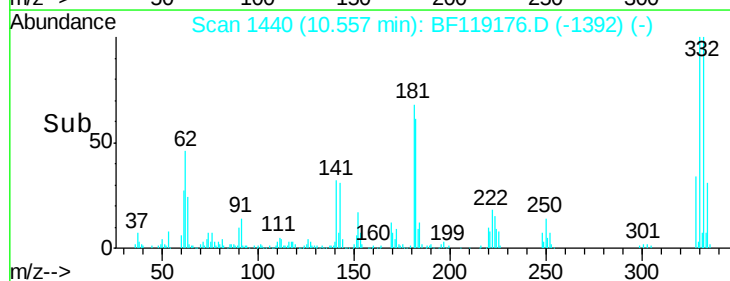
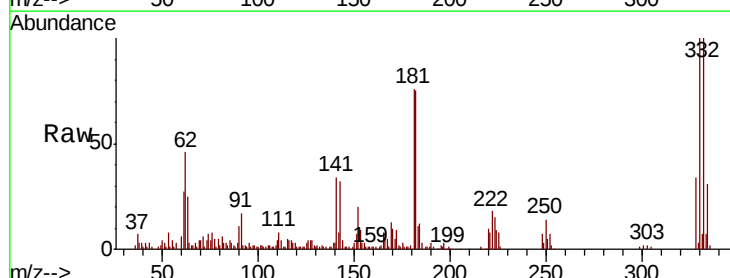
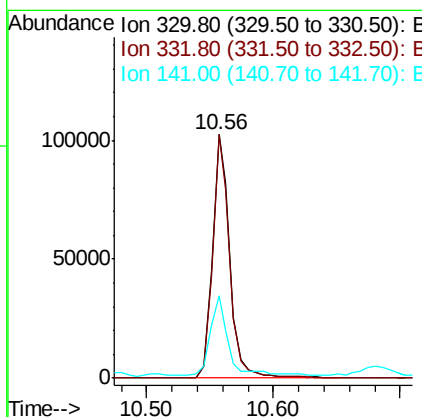
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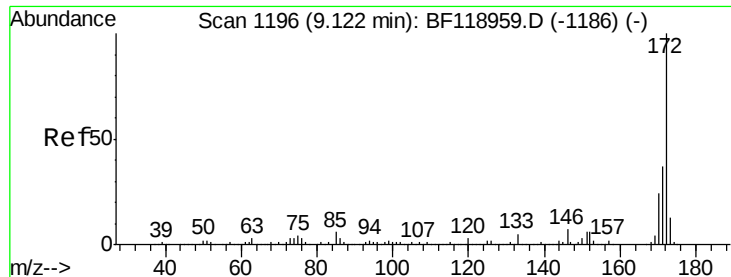
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#42
2,4,6-Tribromophenol
Concen: 31.626 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.8	76.0	114.0	
141	33.5	22.9	34.3	





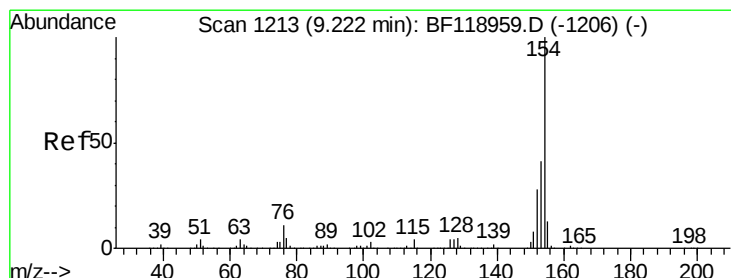
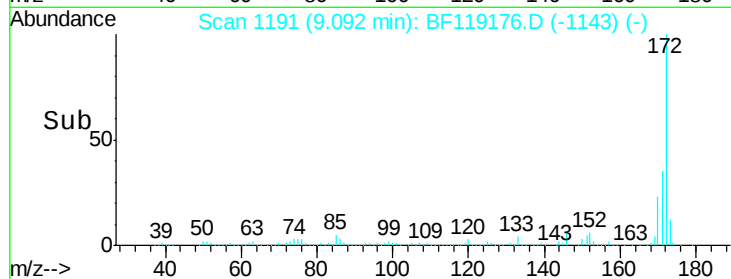
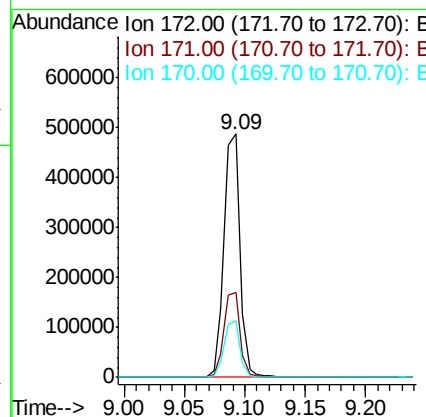
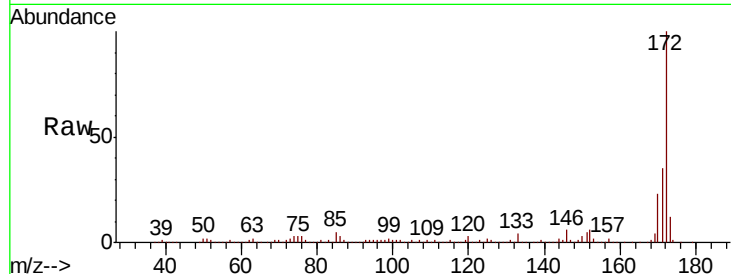
#45
2-Fluorobiphenyl
Concen: 27.603 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Instrument :
BNA_F
ClientSampleId :
PL-02-022820

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	30.6	45.8
170	23.2	20.2	30.2

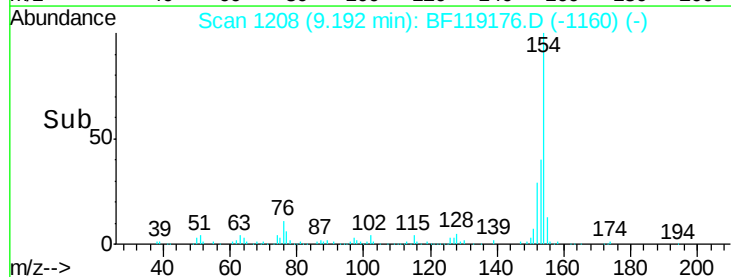
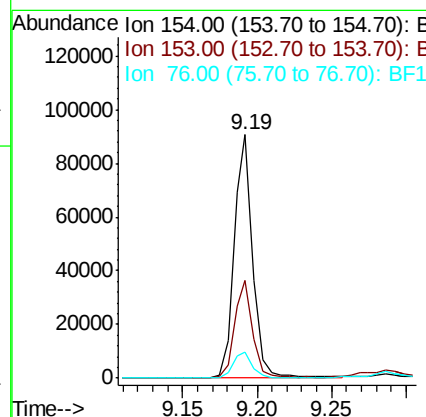
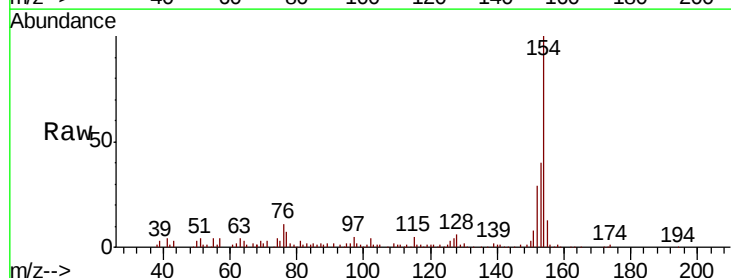
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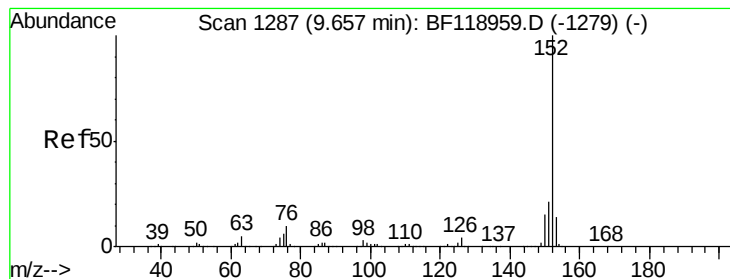
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#46
1,1'-Biphenyl
Concen: 4.134 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	22.8	62.8
76	10.7	0.0	32.2





#49

Acenaphthylene

Concen: 8.198 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF119176.D

Acq: 2 Mar 2020 18:52

Instrument :

BNA_F

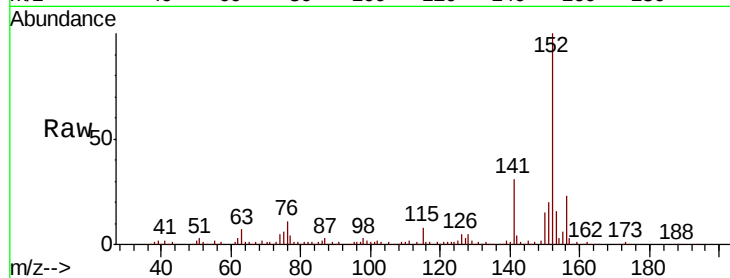
ClientSampleId :

PL-02-022820

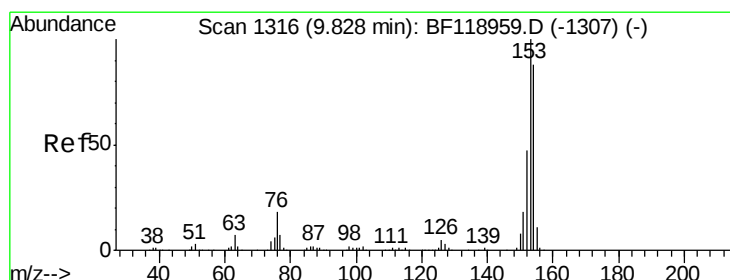
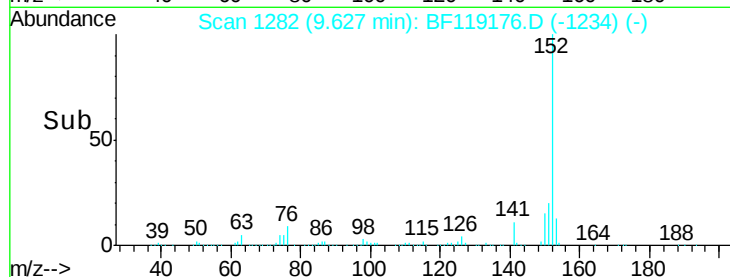
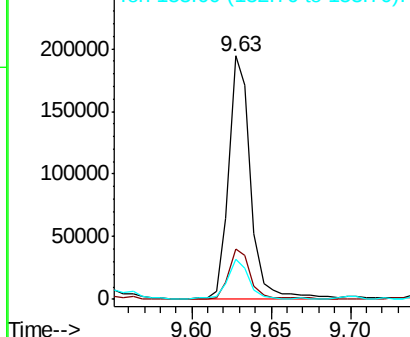
Tot Ion:	152	Resp:	184698
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.9	25.3
153	16.4	11.0	16.6

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#52

Acenaphthene

Concen: 12.873 ng

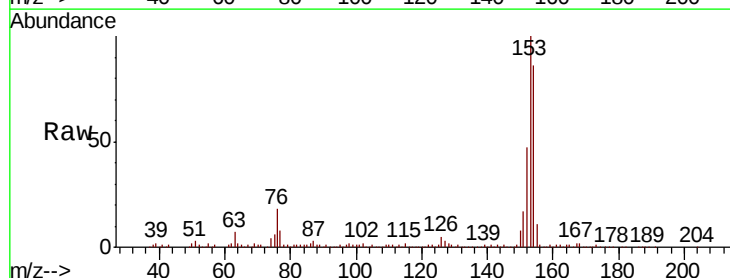
RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

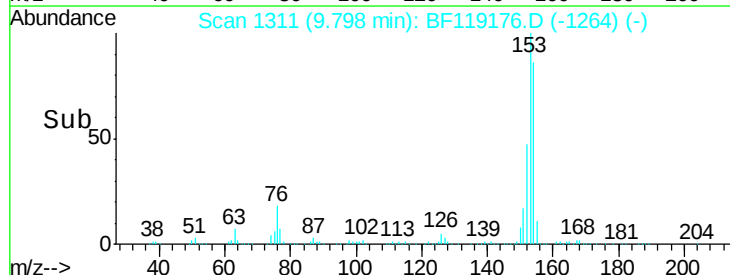
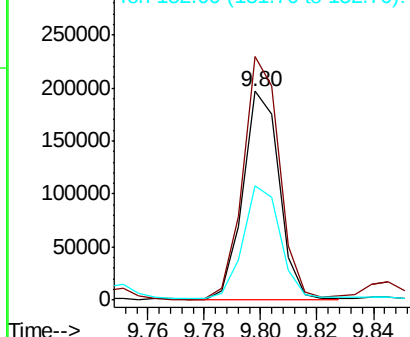
Lab File: BF119176.D

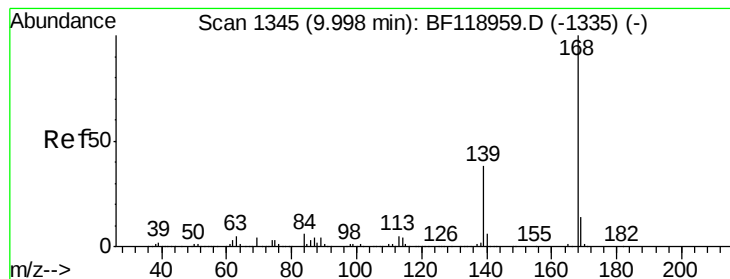
Acq: 2 Mar 2020 18:52

Tgt Ion:	154	Resp:	174878
Ion Ratio	Lower	Upper	
154	100		
153	116.8	90.3	135.5
152	54.6	43.8	65.8



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

Dibenzenofuran

Concen: 14.822 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF119176.D

Acq: 2 Mar 2020 18:52

Instrument :

BNA_F

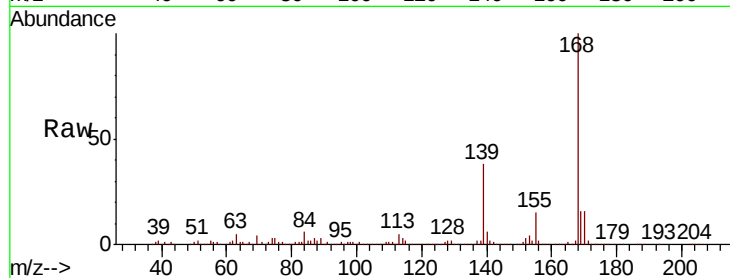
ClientSampleId :

PL-02-022820

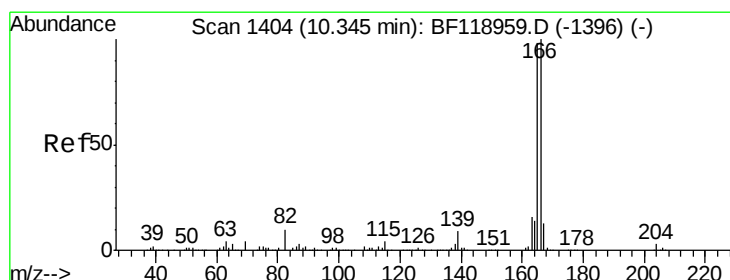
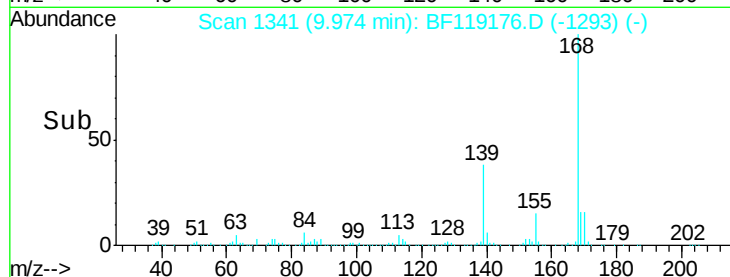
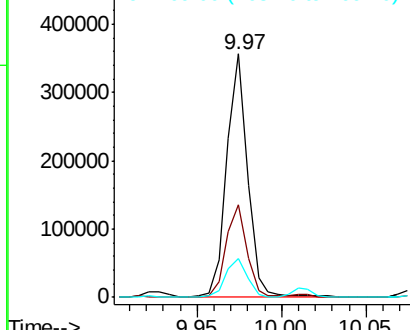
Tot Ion	Ratio	Lower	Upper
168	100		
139	38.2	34.0	51.0
169	16.1	11.0	16.4

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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: 33.173 ng

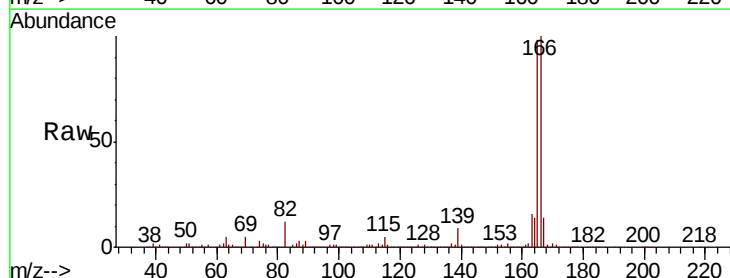
RT: 10.32 min Scan# 1399

Delta R.T. -0.02 min

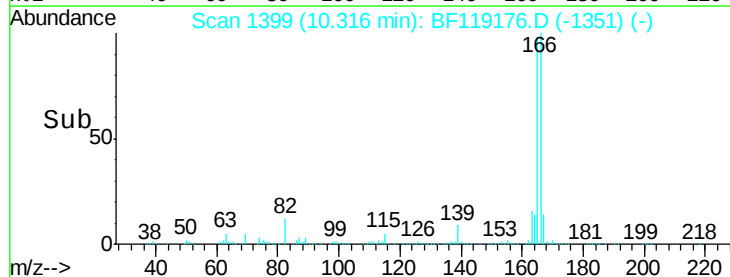
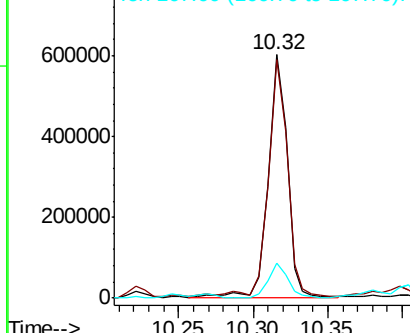
Lab File: BF119176.D

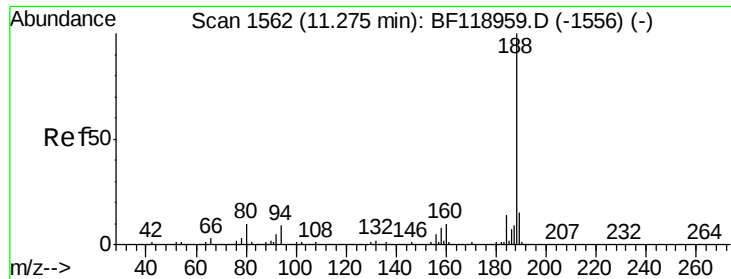
Acq: 2 Mar 2020 18:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.5	117.7
167	14.2	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





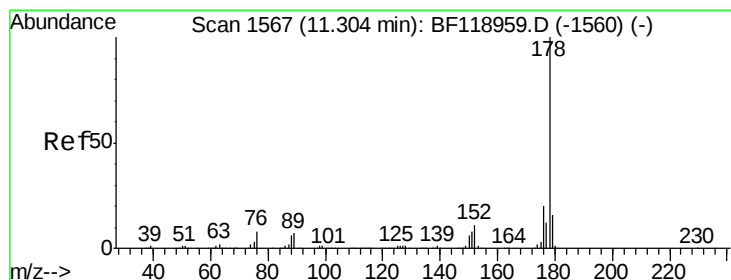
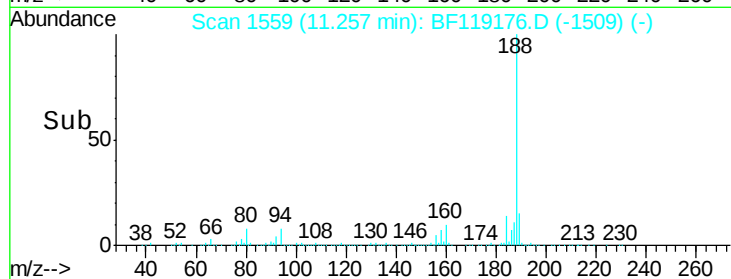
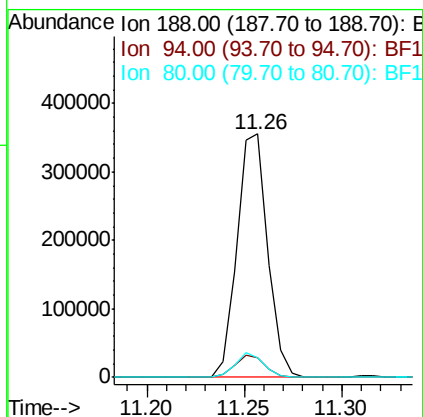
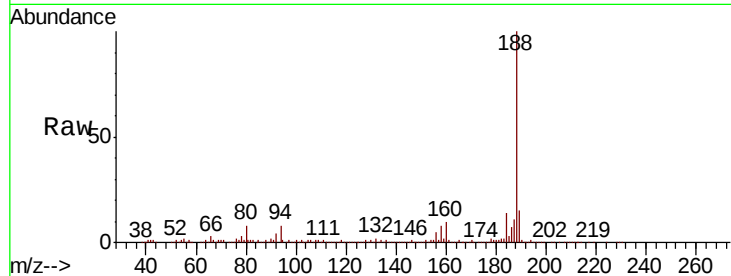
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Instrument :
BNA_F
ClientSampleId :
PL-02-022820

Tot Ion	Ratio	Resp	Lower	Upper
188	100	386720		
94	8.2	7.1	10.7	
80	8.2	7.8	11.8	

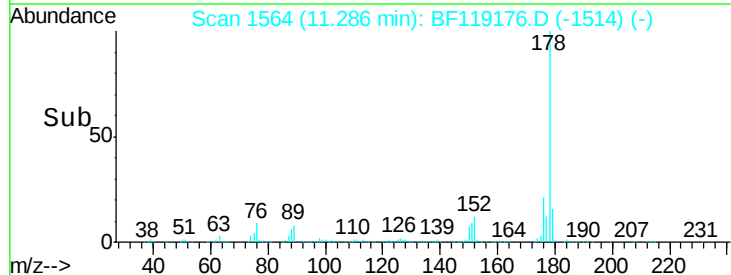
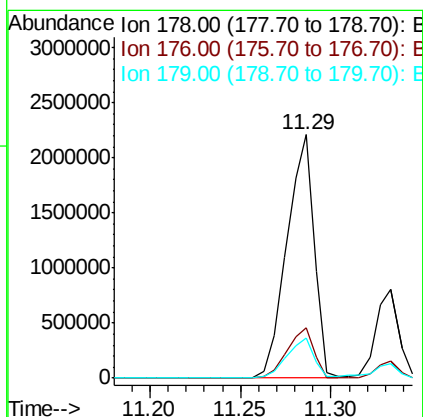
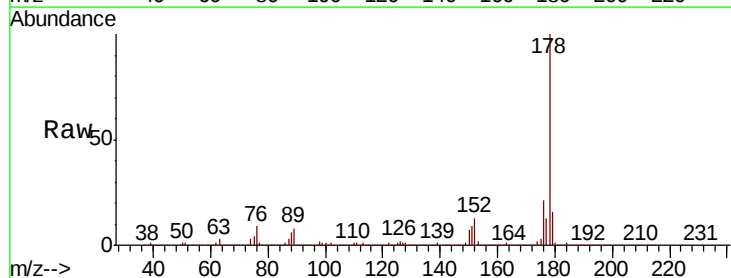
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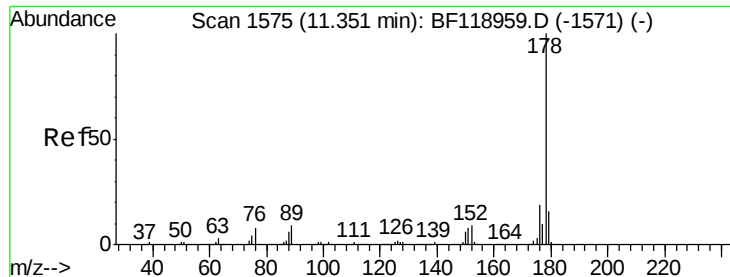
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#71
Phenanthrene
Concen: 110.479 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2329973		
176	20.9	16.5	24.7	
179	16.4	13.0	19.6	





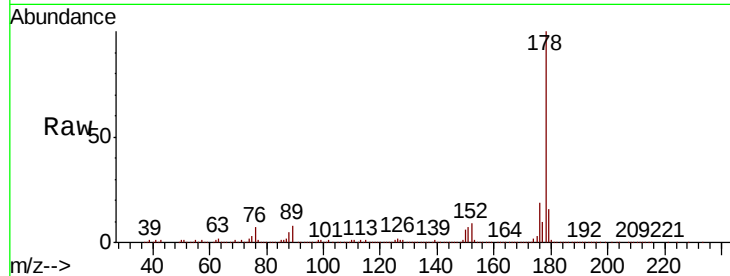
#72
 Anthracene
 Concen: 32.270 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF119176.D
 Acq: 2 Mar 2020 18:52

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-022820

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.0	24.0
179	15.7	13.1	19.7

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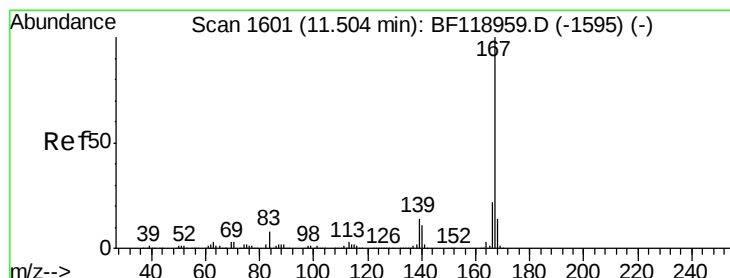
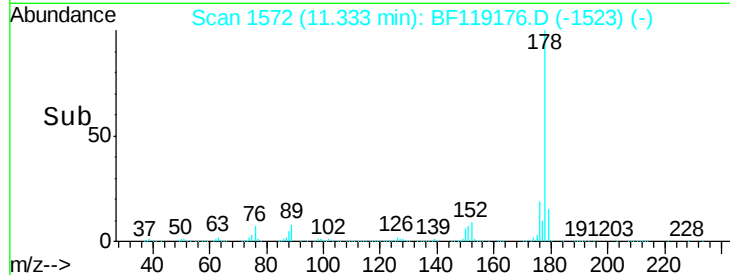
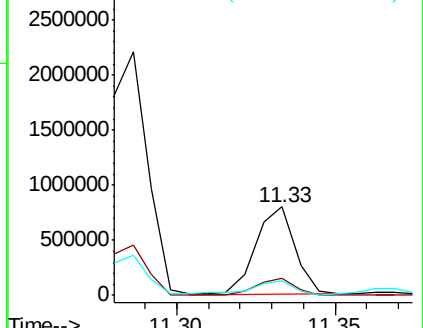


Abundance

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



#73
 Carbazole
 Concen: 8.092 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF119176.D
 Acq: 2 Mar 2020 18:52

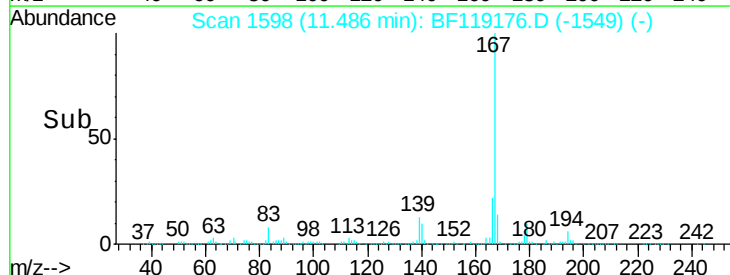
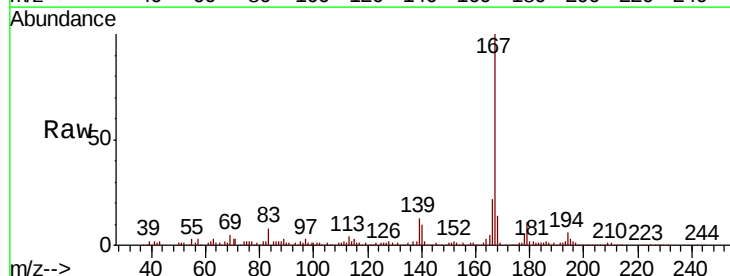
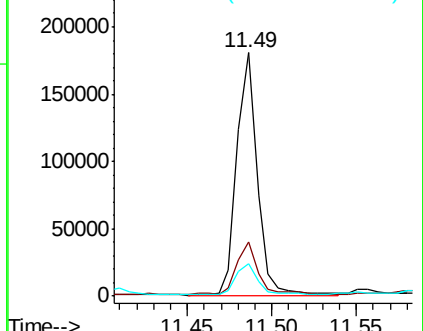
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.2	27.4
139	13.2	11.7	17.5

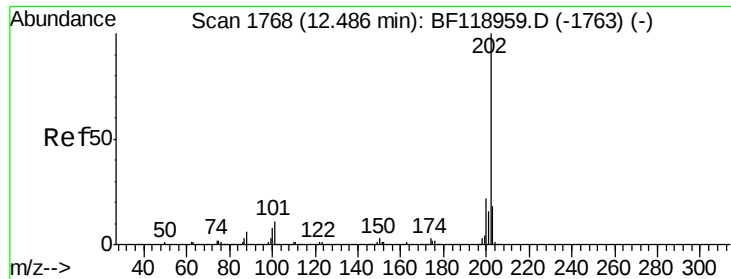
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 93.537 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF119176.D

Acq: 2 Mar 2020 18:52

Instrument :

BNA_F

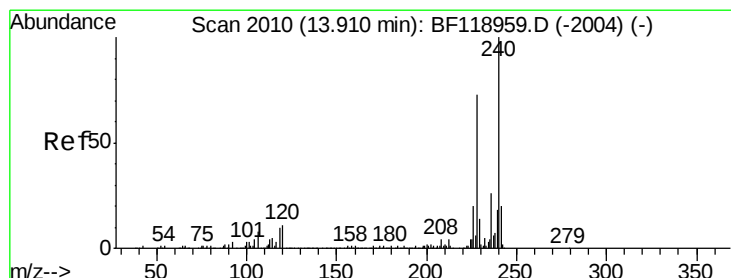
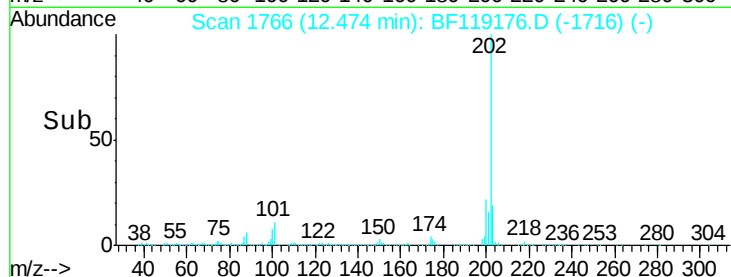
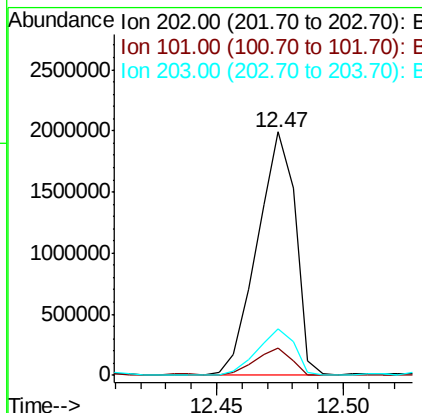
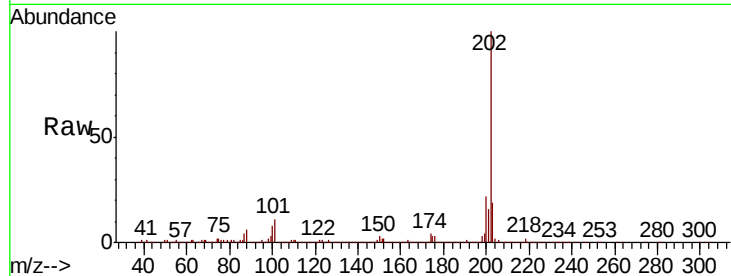
ClientSampled :

PL-02-022820

Tot Ion:	202	Resp:	2093948
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	30.3
203	18.9	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

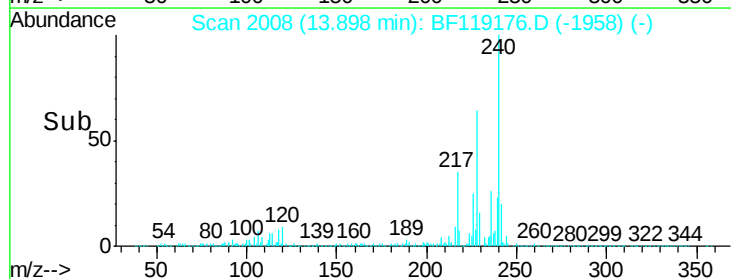
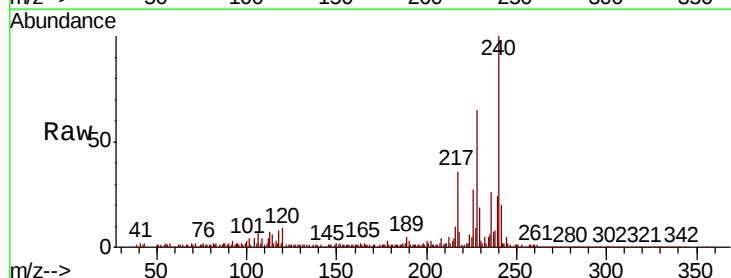
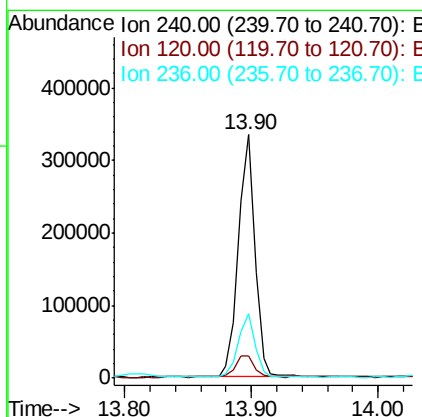
RT: 13.90 min Scan# 2008

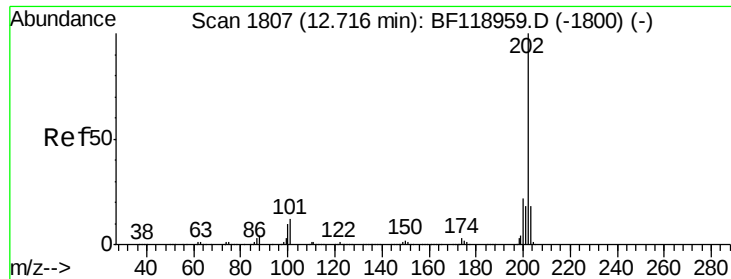
Delta R.T. -0.01 min

Lab File: BF119176.D

Acq: 2 Mar 2020 18:52

Tgt Ion:	240	Resp:	301677
Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.4	12.6
236	26.5	21.0	31.4





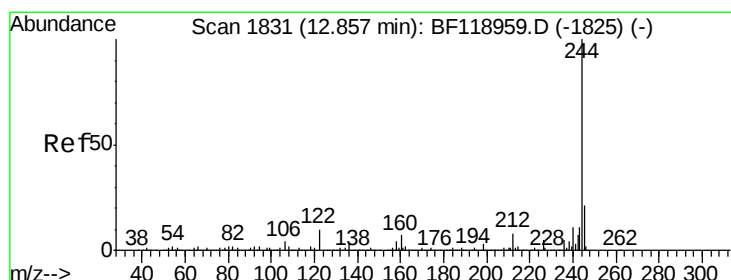
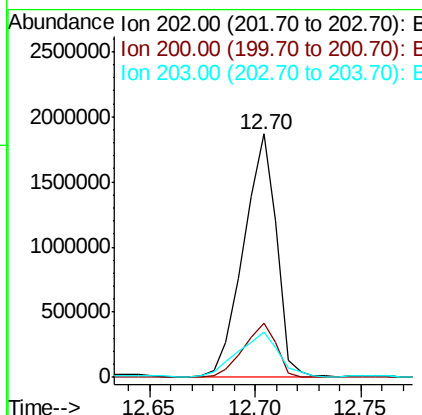
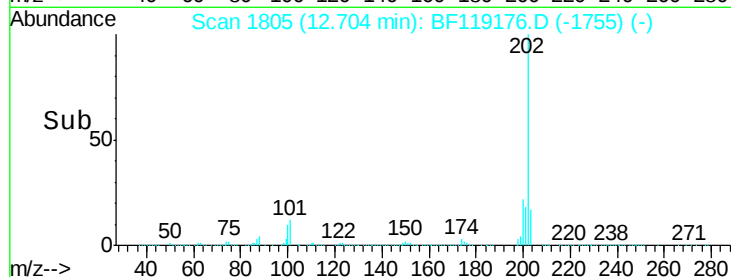
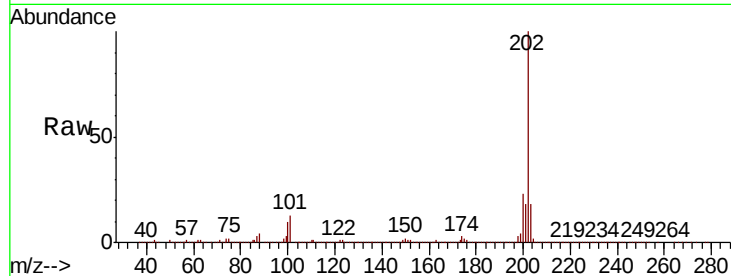
#78
Pvrene
Concen: 83.243 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Instrument :
BNA_F
ClientSampleId :
PL-02-022820

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.5	18.0	27.0
203	18.4	14.6	22.0

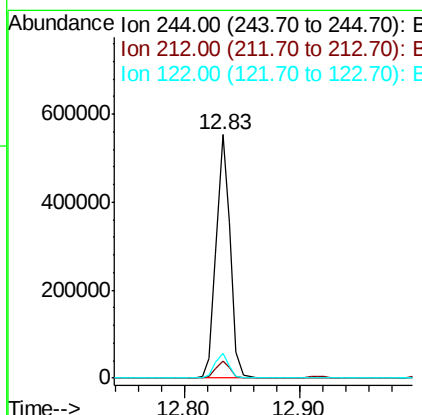
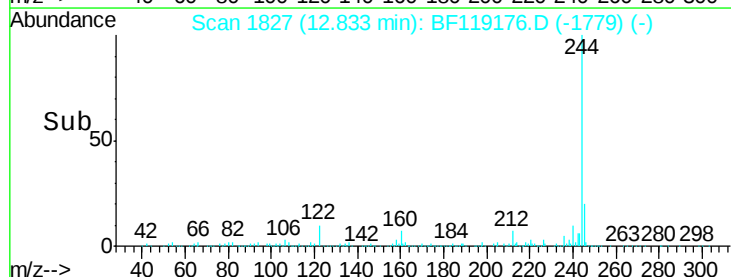
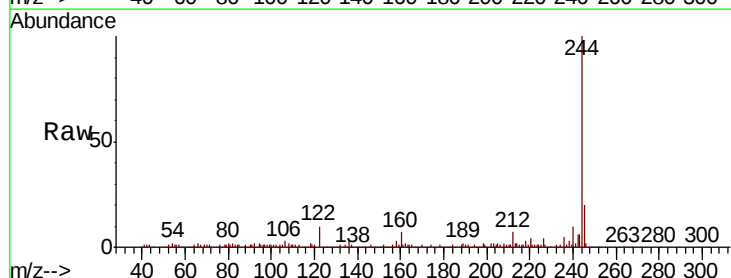
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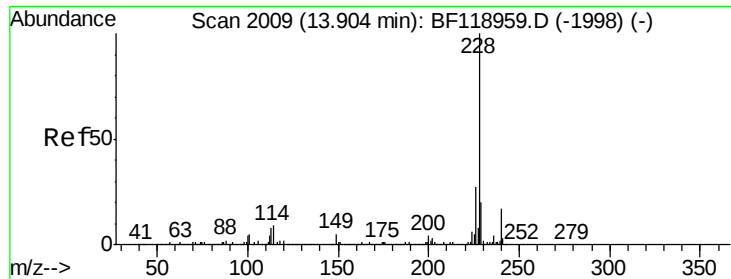
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#79
Terphenyl-d14
Concen: 26.373 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.6	10.0
122	10.0	8.2	12.2





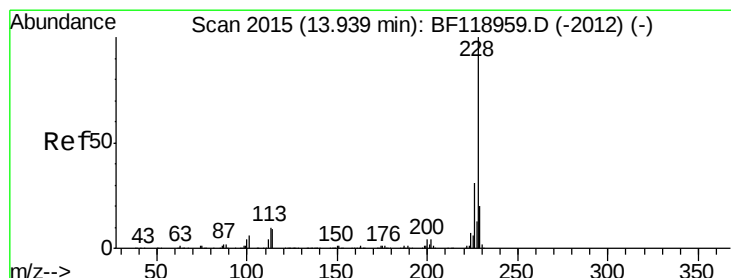
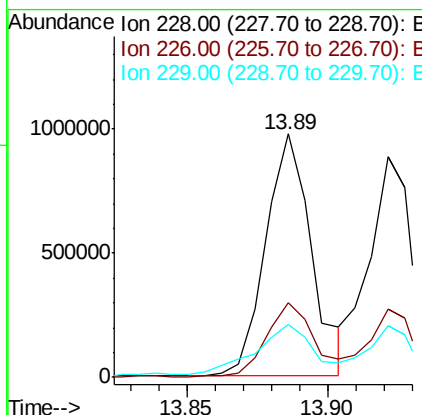
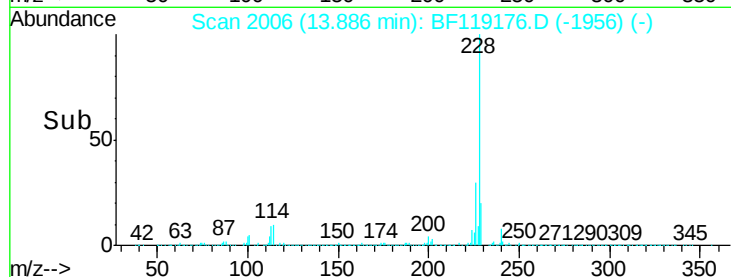
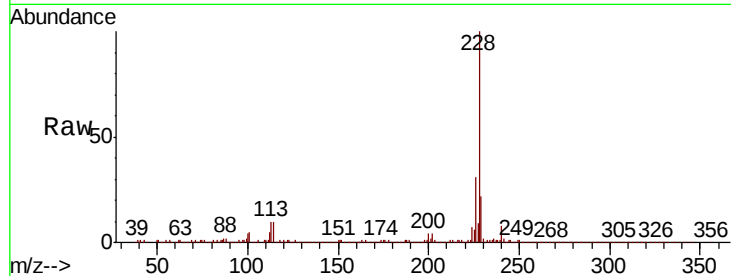
#81
Benzo(a)anthracene
Concen: 53.813 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Instrument :
BNA_F
ClientSampleId :
PL-02-022820

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	21.7	16.6	24.8

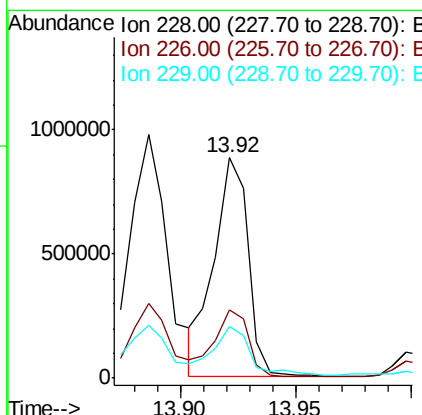
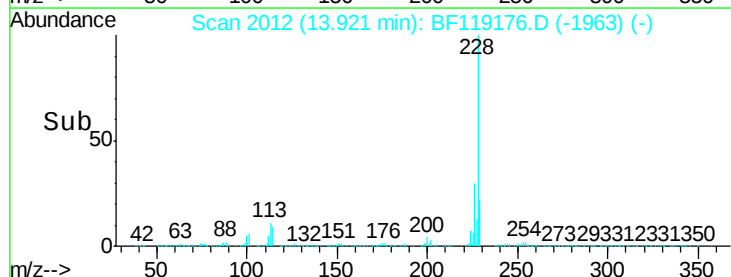
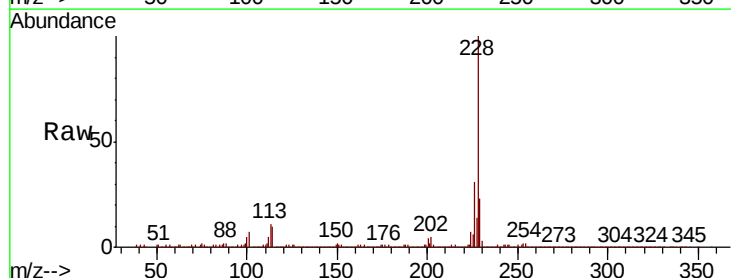
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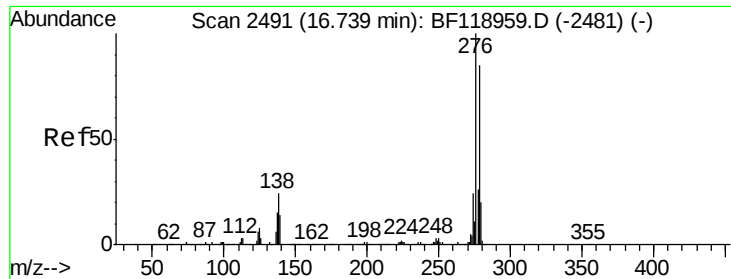
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#83
Chrysene
Concen: 44.510 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.1	37.7
229	23.3	16.3	24.5





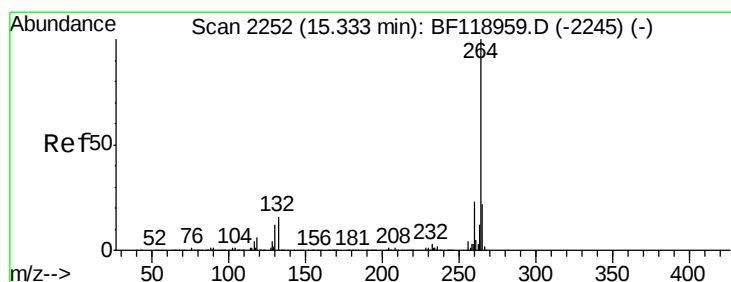
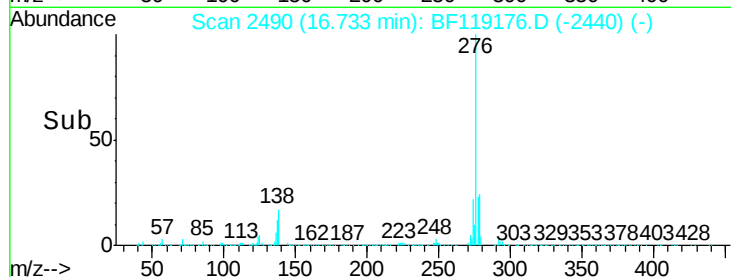
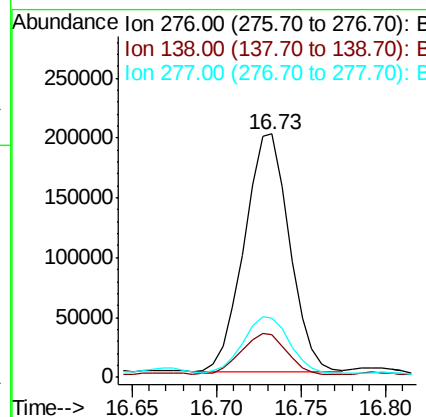
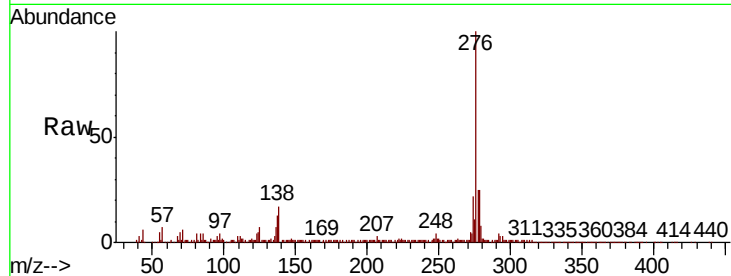
#86
Indeno(1,2,3-cd)pyrene
Concen: 18.746 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.01 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Instrument :
BNA_F
ClientSampleId :
PL-02-022820

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.6	17.4	26.0
277	25.0	20.3	30.5

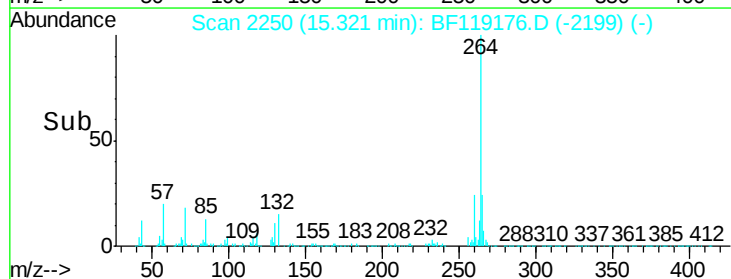
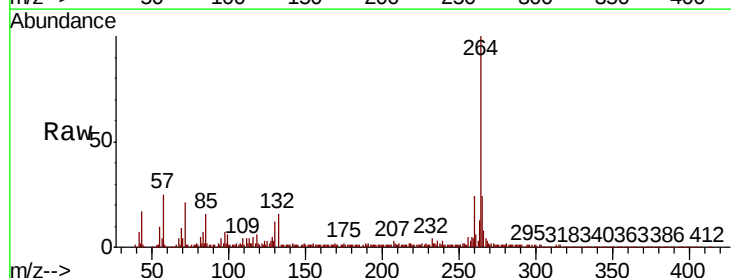
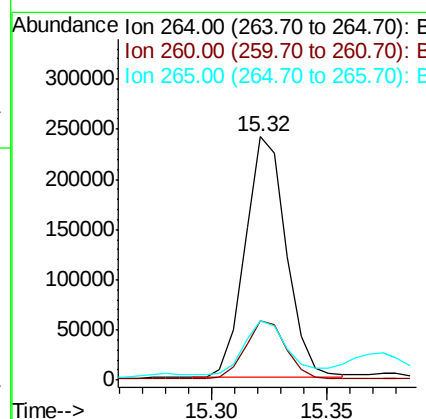
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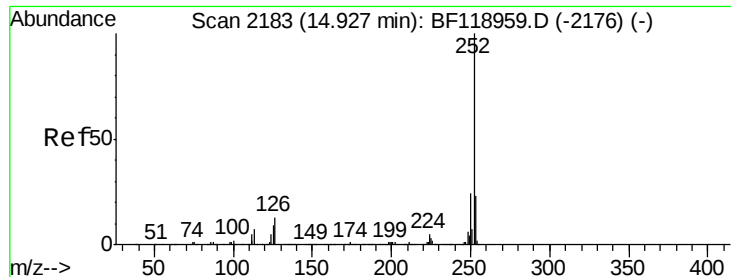
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	24.4	17.7	26.5





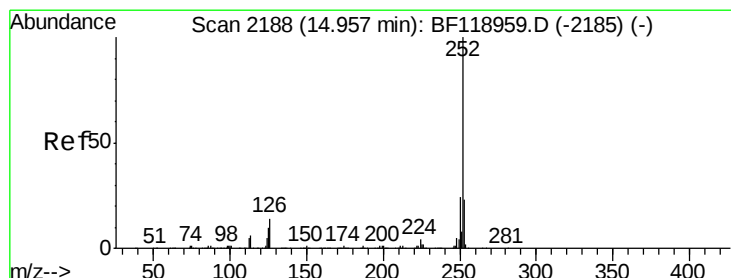
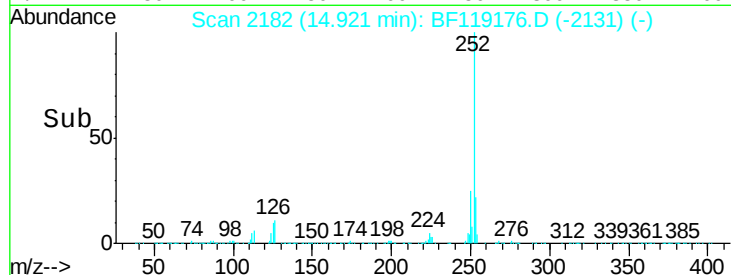
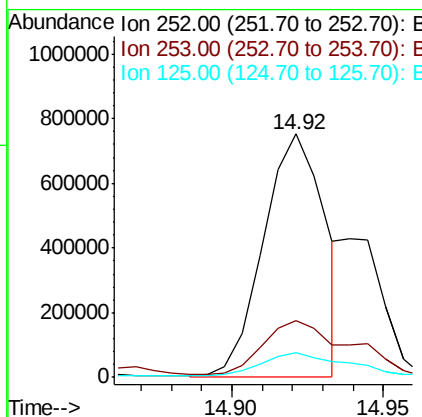
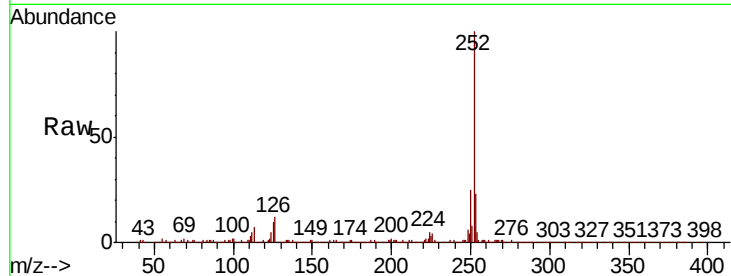
#88
Benzo(b)fluoranthene
Concen: 53.512 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Instrument :
BNA_F
ClientSampleId :
PL-02-022820

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	10.2	7.4	11.0

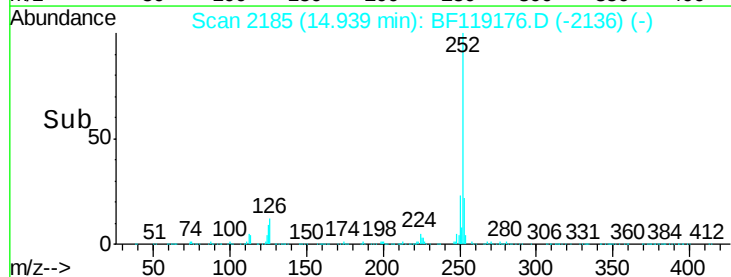
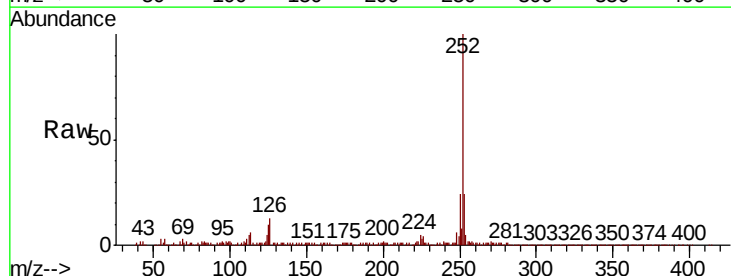
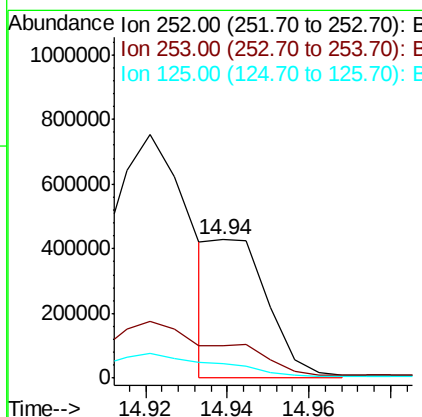
Manual Integrations
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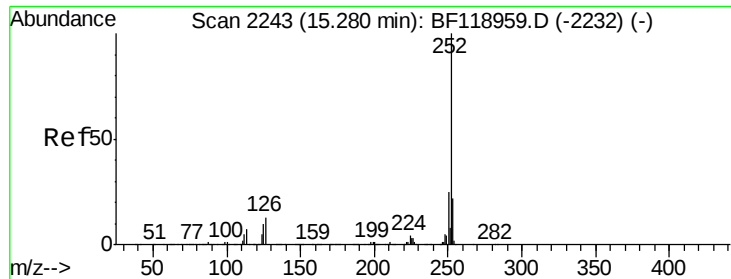
mohammad
3/3/2020 12:25:59 PM



#89
Benzo(k)fluoranthene
Concen: 22.268 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	10.1	7.5	11.3





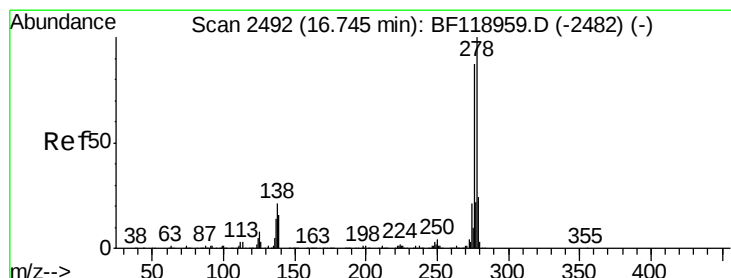
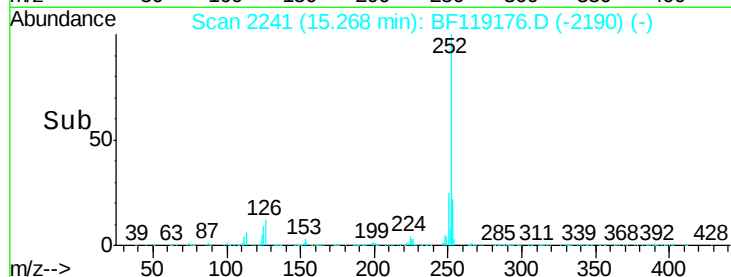
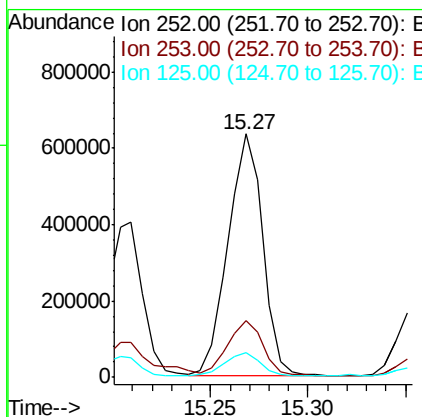
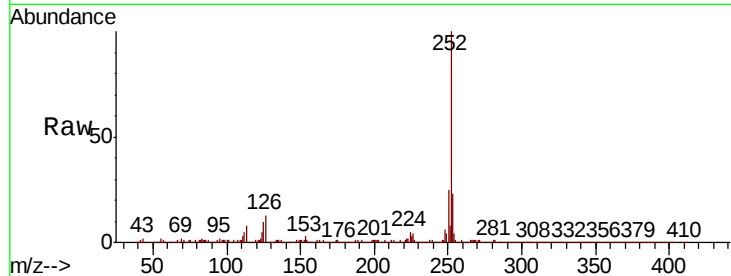
#90
Benzo(a)pyrene
Concen: 43.995 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Instrument :
BNA_F
ClientSampleId :
PL-02-022820

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	10.1	8.6	12.8

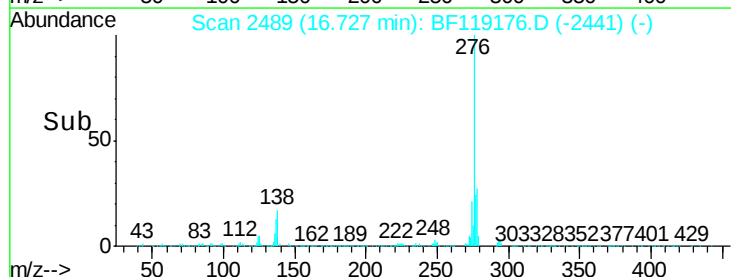
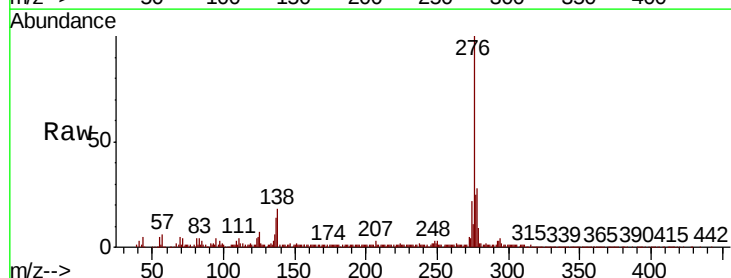
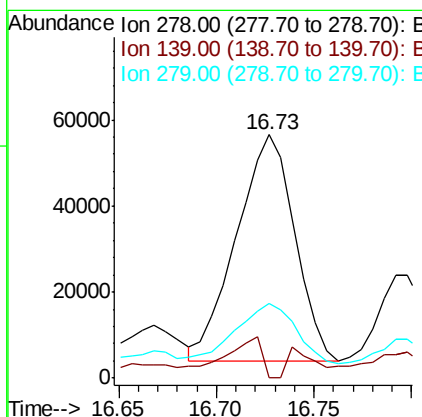
Manual Integrations
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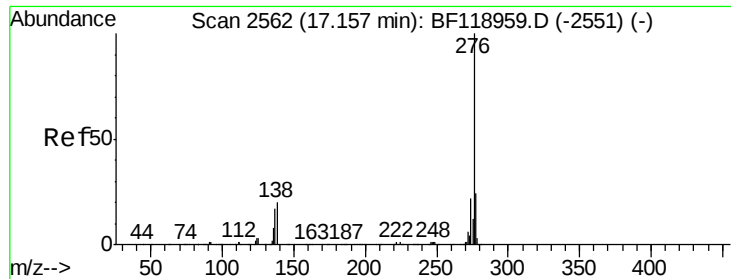
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 6.919 ng
RT: 16.73 min Scan# 2489
Delta R.T. -0.02 min
Lab File: BF119176.D
Acq: 2 Mar 2020 18:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.0	16.4#
279	30.7	18.6	28.0#





#92
 Benzo(a,h,i)perylene
 Concen: 22.239 ng
 RT: 17.16 min Scan# 2562
 Delta R.T. -0.00 min
 Lab File: BF119176.D
 Acq: 2 Mar 2020 18:52

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-022820

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.7	28.1
138	17.7	14.3	21.5

Manual Integrations
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