

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120032.D
 Acq On : 16 Apr 2020 13:27
 Operator : MA/SJ
 Sample : L2229-13 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-32

Manual Integrations
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Quant Time: Apr 16 14:02:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 10:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	137879	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	489783	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	225779	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	366963	20.00	ng	0.00
76) Chrysene-d12	13.89	240	232825	20.00	ng	0.00
87) Perylene-d12	15.32	264	232393	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	151512	18.99	ng	0.00
7) Phenol-d6	6.35	99	193034	18.78	ng	-0.01
23) Nitrobenzene-d5	7.28	82	117625	12.42	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	33789	12.22	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	238981	15.03	ng	0.00
79) Terphenyl-d14	12.84	244	179845	13.00	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.03	128	129884	5.040	ng	97
37) 2-Methylnaphthalene	8.72	142	40592	2.323	ng	98
55) Dibenzofuran	9.97	168	81336	3.980	ng	96
58) Fluorene	10.31	166	37385	2.287	ng	96
71) Phenanthrene	11.27	178	741787	37.982	ng	99
72) Anthracene	11.33	178	94065	4.715	ng	95
75) Fluoranthene	12.47	202	791462	37.559	ng	98
78) Pyrene	12.69	202	624174	31.801	ng	99
81) Benzo(a)anthracene	13.88	228	288142	18.812	ng	98
83) Chrysene	13.92	228	325297	20.902	ng	98
86) Indeno(1,2,3-cd)pyrene	16.70	276	94915	6.919	ng	99
88) Benzo(b)fluoranthene	14.91	252	355561m	21.268	ng	
89) Benzo(k)fluoranthene	14.93	252	110339m	7.649	ng	
90) Benzo(a)pyrene	15.26	252	163234	11.613	ng	97
91) Dibenzo(a,h)anthracene	16.72	278	28051	2.253	ng	# 88
92) Benzo(g,h,i)perylene	17.12	276	94180	7.663	ng	96

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

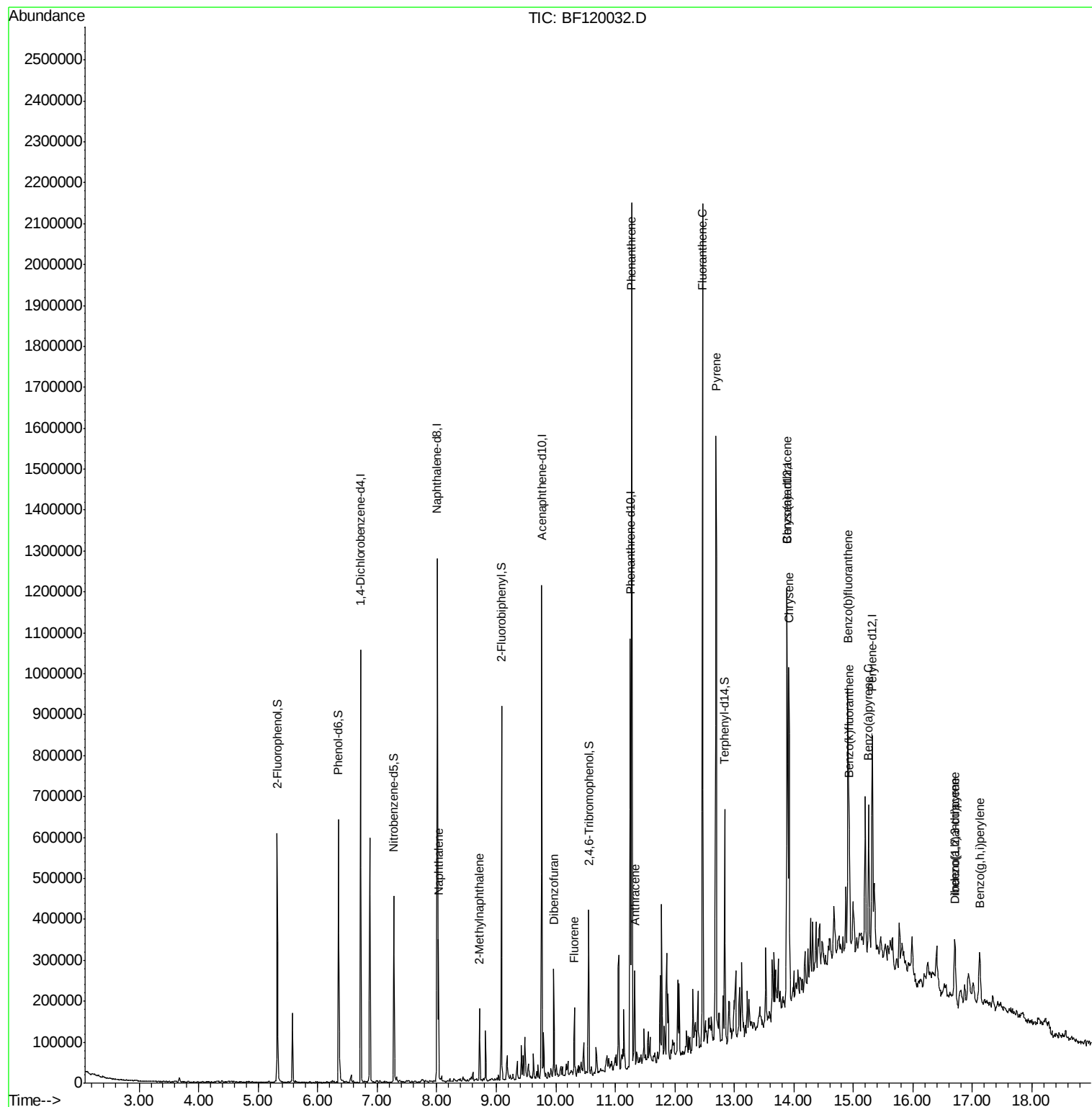
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120032.D
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ALS Vial : 40 Sample Multiplier: 1

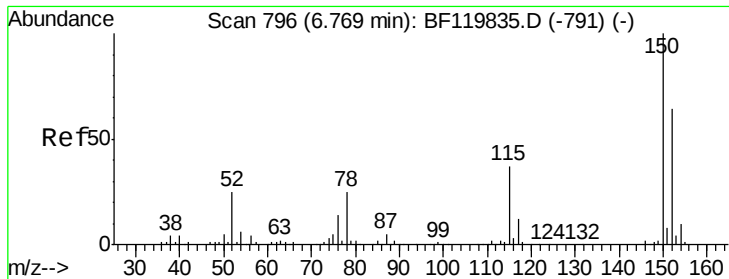
Instrument :
BNA_F
ClientSampleId :
TP-32

Quant Time: Apr 16 14:02:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 16 10:48:04 2020
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#1

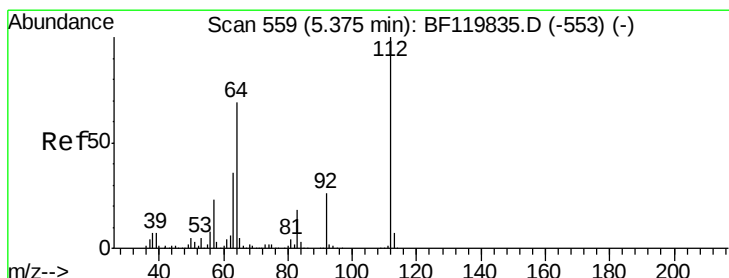
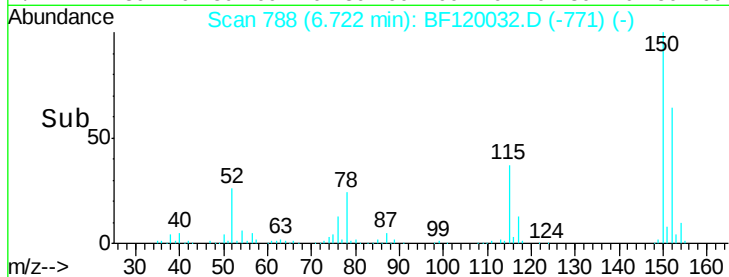
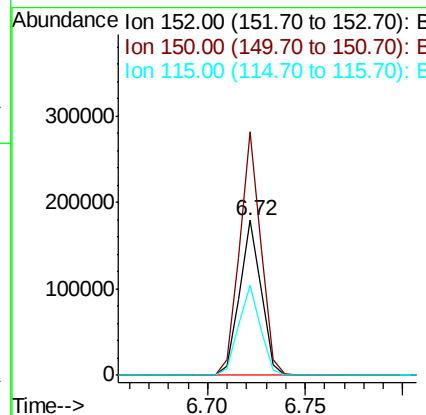
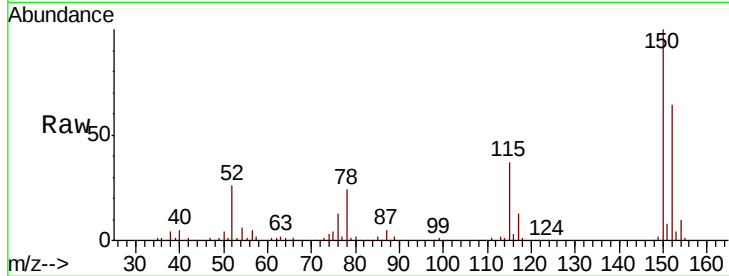
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Instrument :
BNA_F
ClientSampleId :
TP-32

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.8	187.2
115	58.4	46.5	69.7

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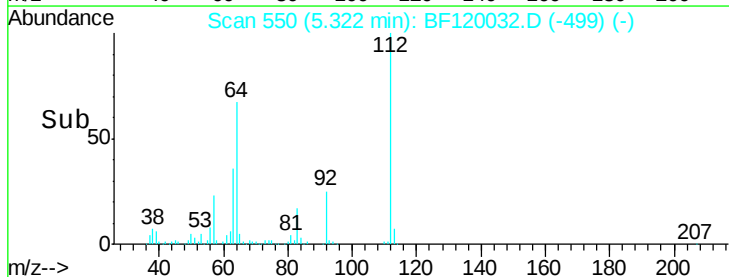
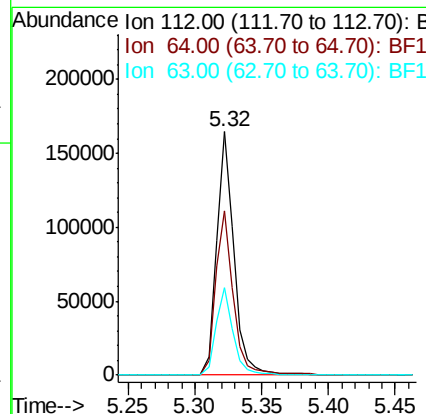
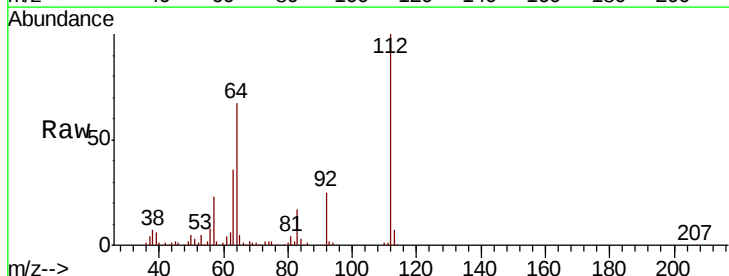
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#5

2-Fluorophenol
Concen: 18.991 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	55.5	83.3
63	35.8	29.1	43.7





#7

Phenol-d6

Concen: 18.777 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120032.D

Acq: 16 Apr 2020 13:27

Instrument :

BNA_F

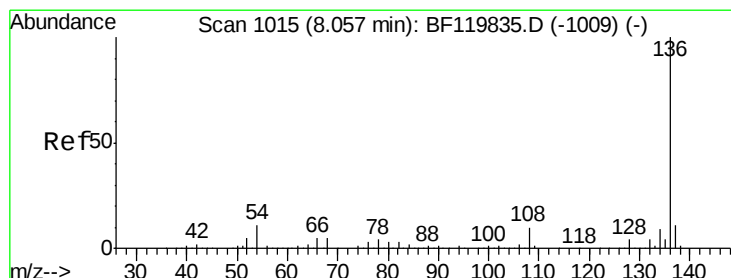
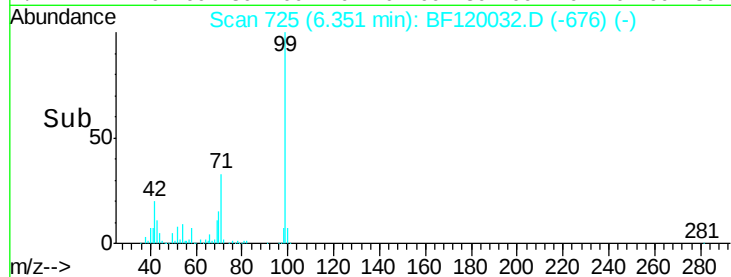
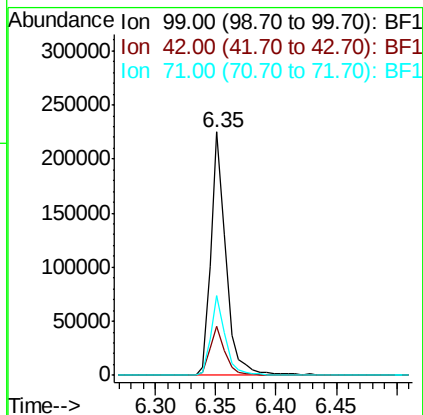
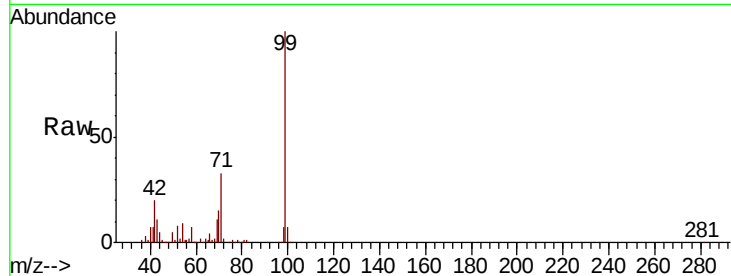
ClientSampleId :

TP-32

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		193034		
42	20.0	16.9	25.3		
71	32.6	26.3	39.5		

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#21

Naphthalene-d8

Concen: 20.000 ng

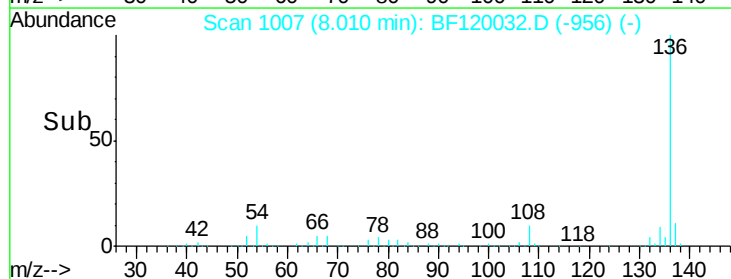
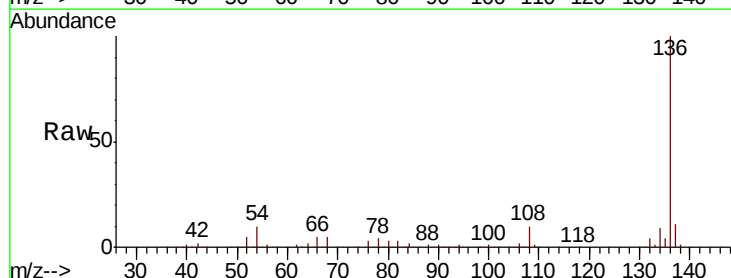
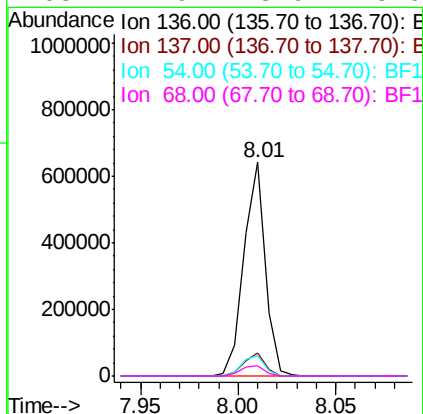
RT: 8.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF120032.D

Acq: 16 Apr 2020 13:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		489783		
137	10.8	8.7	13.1		
54	9.5	8.5	12.7		
68	4.9	3.9	5.9		





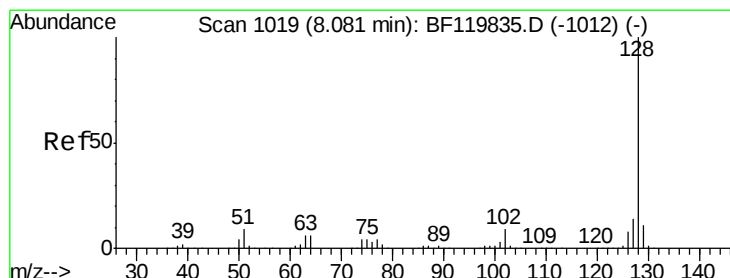
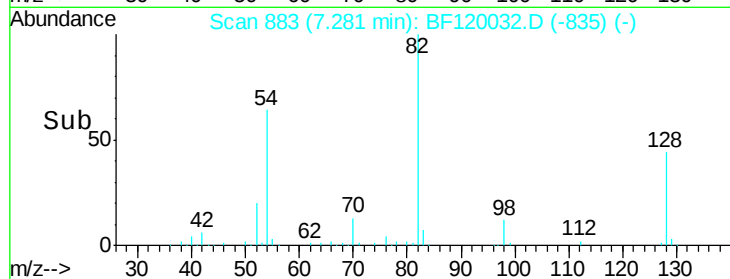
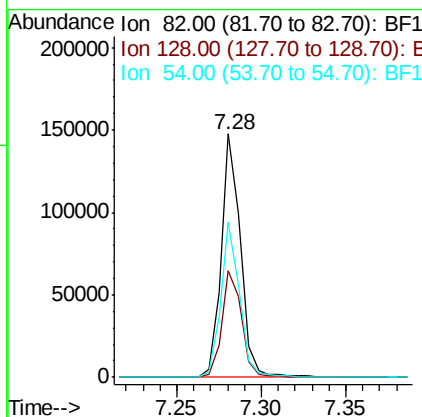
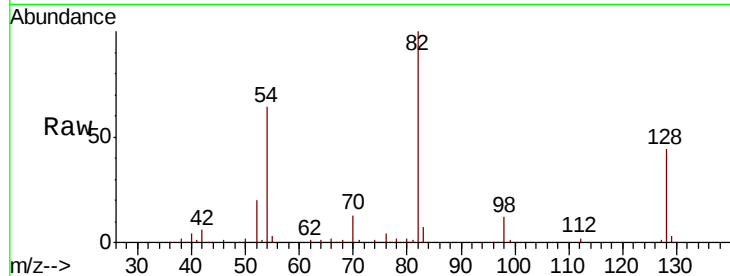
#23
Nitrobenzene-d5
Concen: 12.424 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Instrument :
BNA_F
ClientSampleId :
TP-32

Tot Ion	Ratio	Resp	Lower	Upper
82	100	117625		
128	43.8	36.2	54.4	
54	63.6	50.4	75.6	

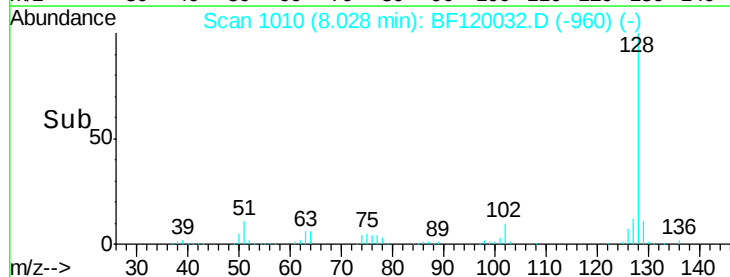
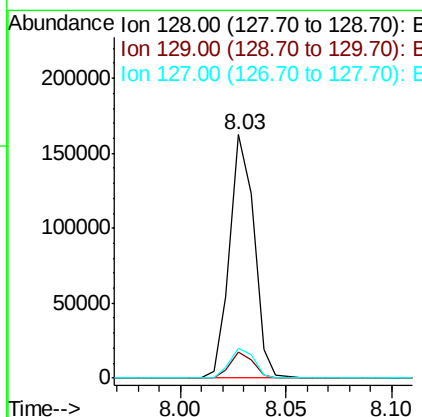
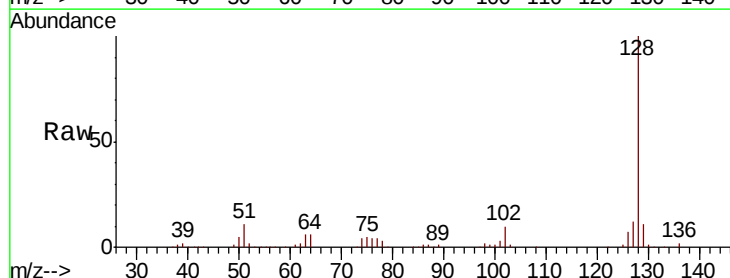
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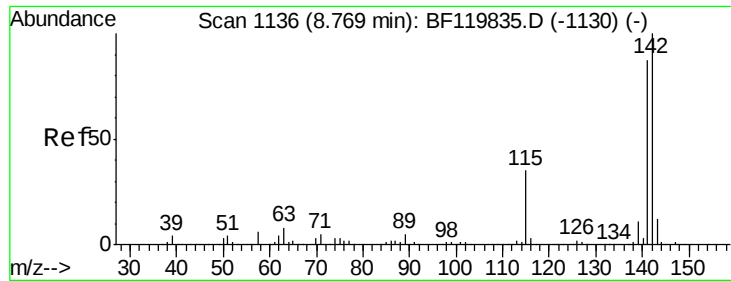
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#31
Naphthalene
Concen: 5.040 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	129884		
129	10.7	9.0	13.6	
127	12.2	11.0	16.4	





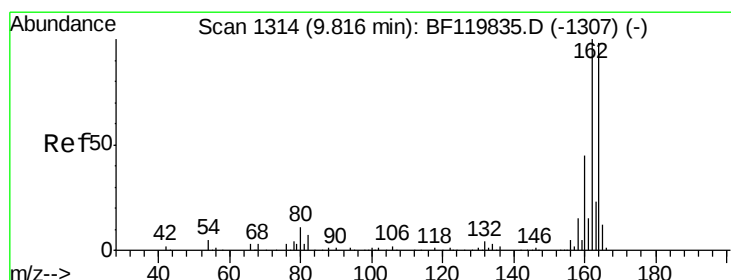
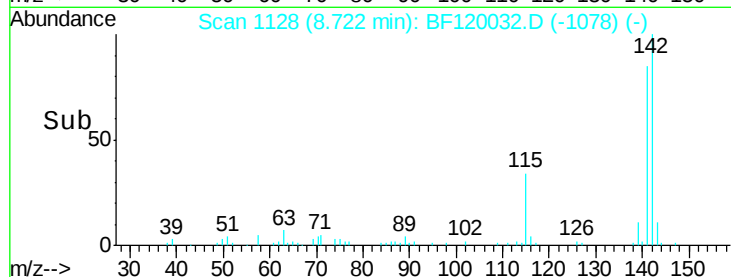
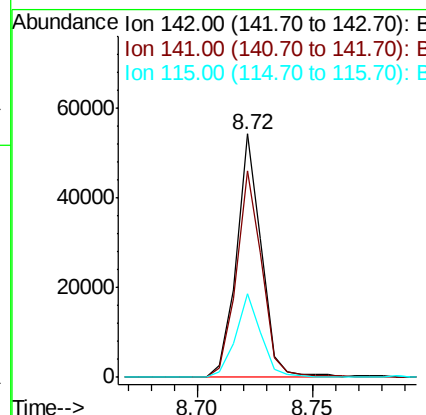
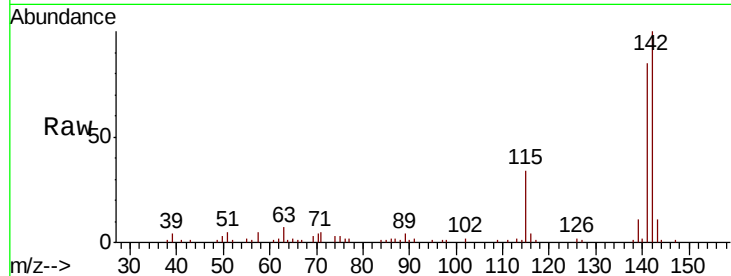
#37
2-Methylnaphthalene
Concen: 2.323 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Instrument :
BNA_F
ClientSampleId :
TP-32

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.7	69.9	104.9
115	34.2	28.0	42.0

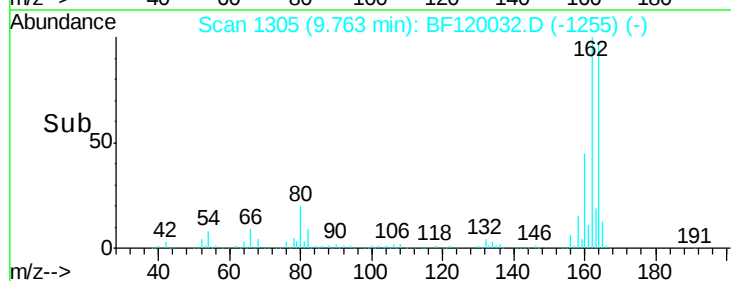
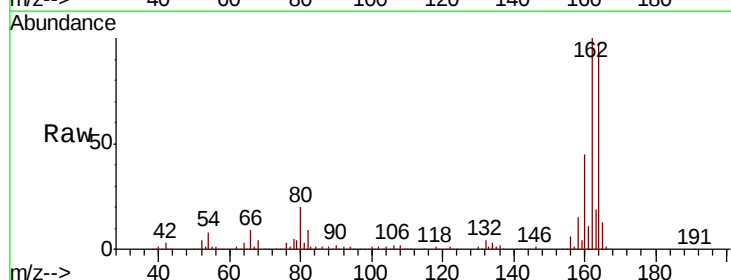
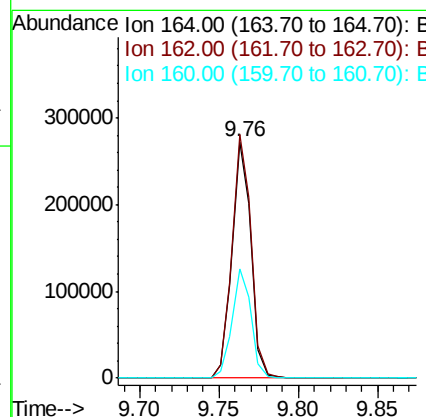
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.9	122.9
160	46.0	36.6	54.8





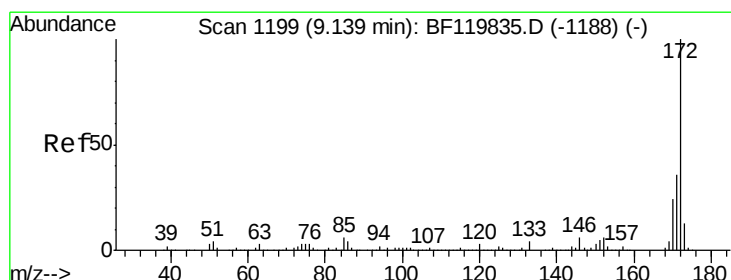
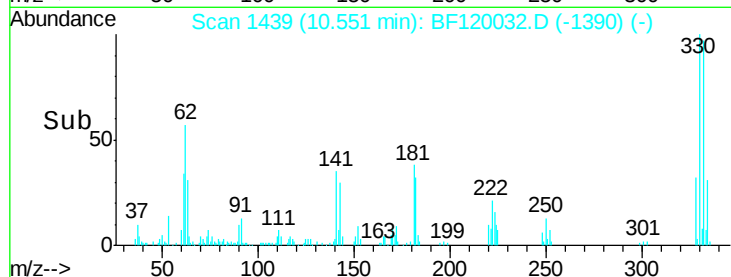
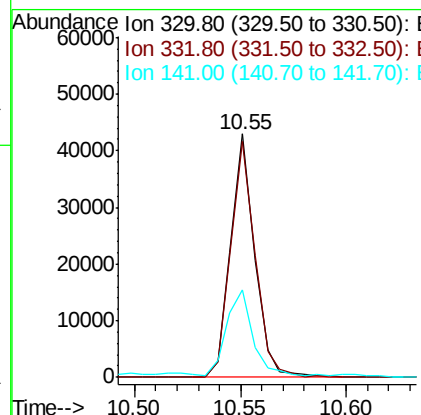
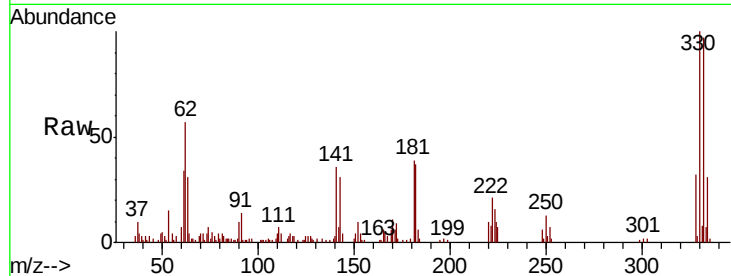
#42
 2,4,6-Tribromophenol
 Concen: 12.223 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120032.D
 Acq: 16 Apr 2020 13:27

Instrument :
 BNA_F
 ClientSampleId :
 TP-32

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.7	76.8	115.2
141	37.7	25.1	37.7#

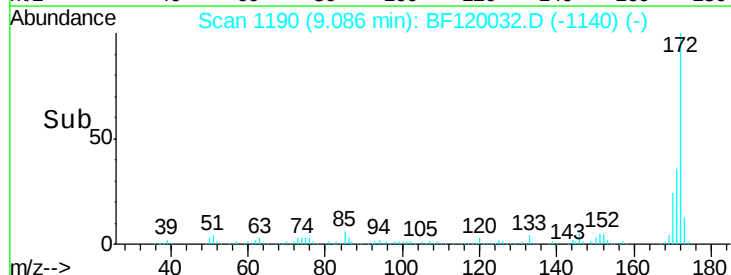
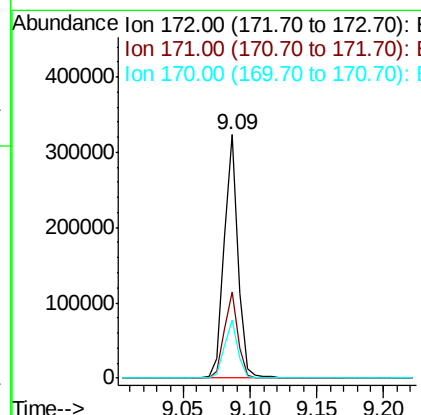
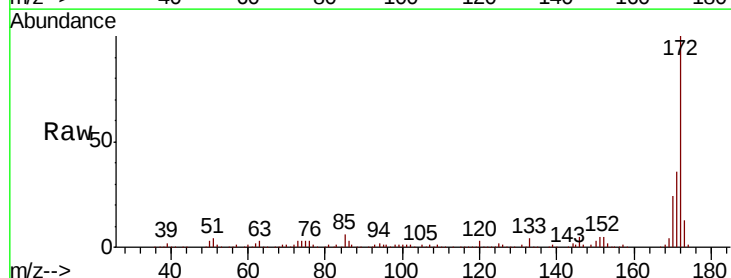
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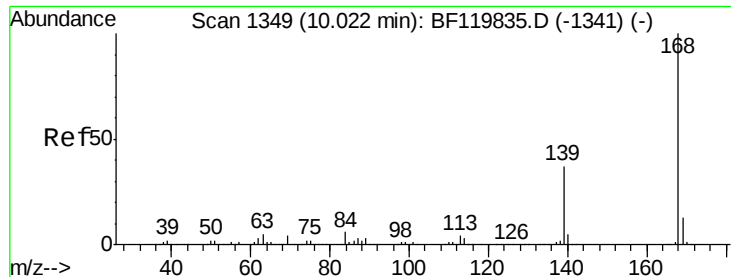
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#45
 2-Fluorobiphenyl
 Concen: 15.028 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120032.D
 Acq: 16 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.9	43.3
170	23.9	19.4	29.2





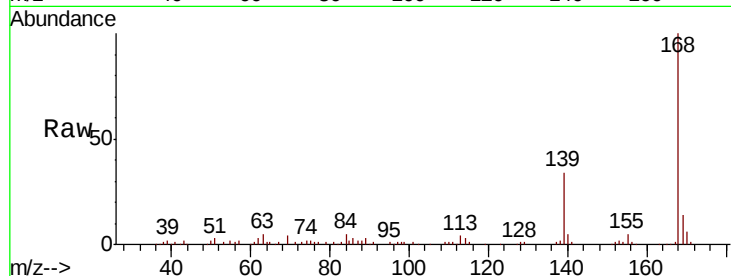
#55
Dibenzenofuran
Concen: 3.980 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Instrument :
BNA_F
ClientSampleId :
TP-32

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.5	29.8	44.6
169	14.0	10.6	15.8

Manual Integrations
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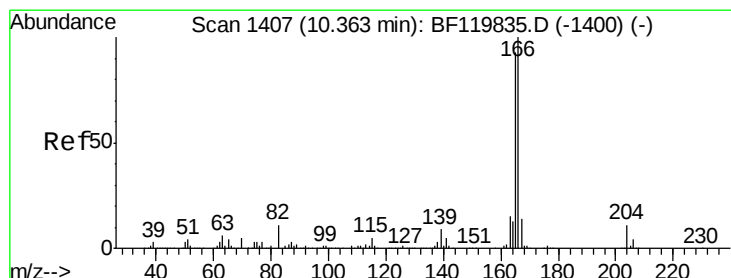
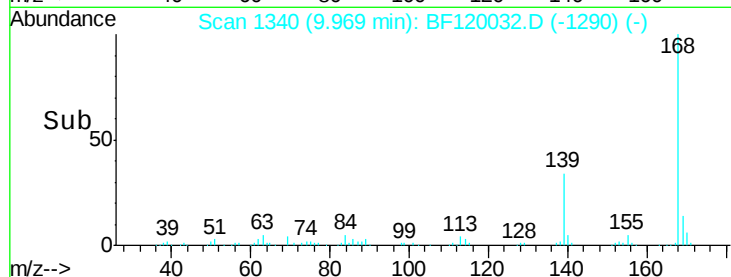
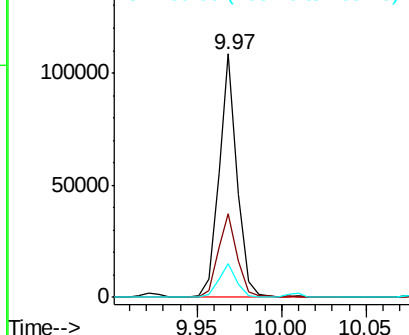


Abundance

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: 2.287 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

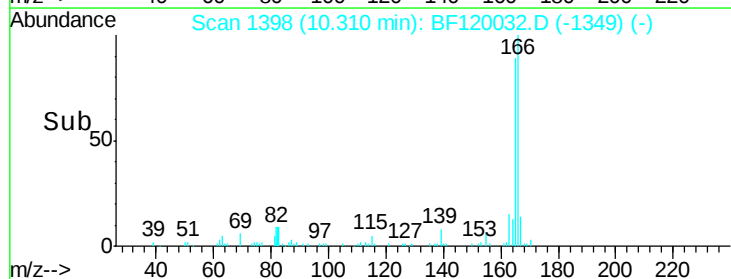
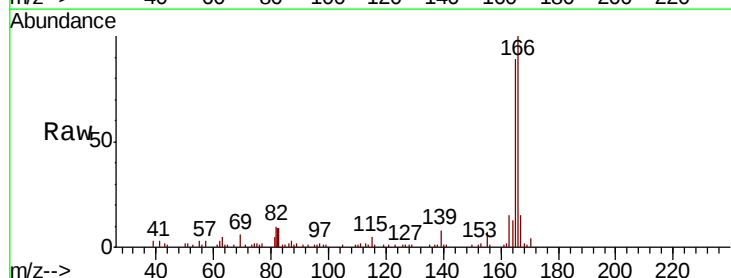
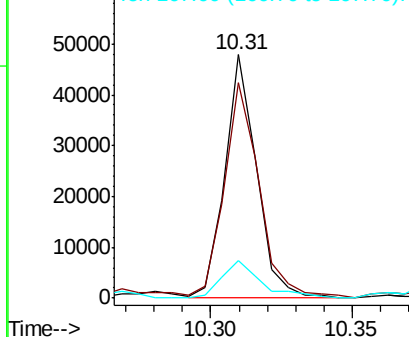
Tgt Ion	Ratio	Lower	Upper
166	100		
165	88.6	74.2	111.2
167	15.2	10.8	16.2

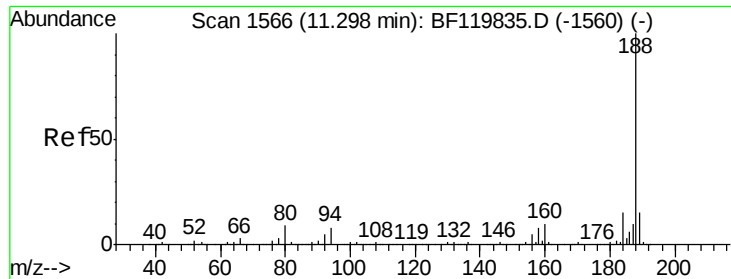
Abundance

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





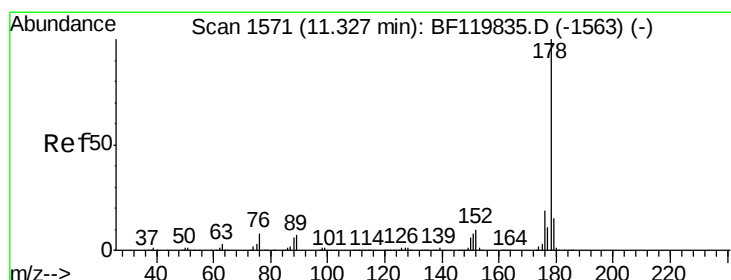
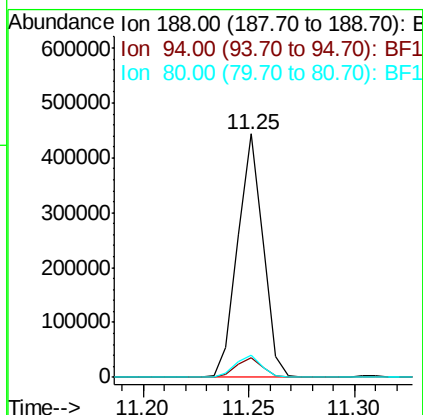
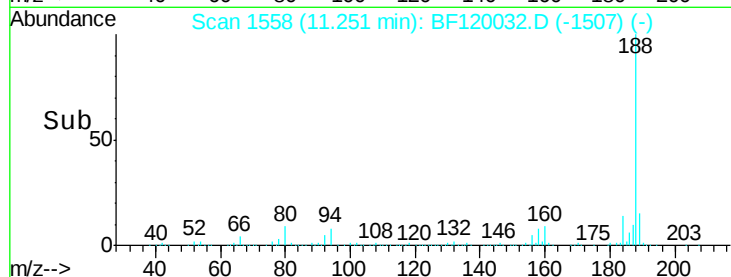
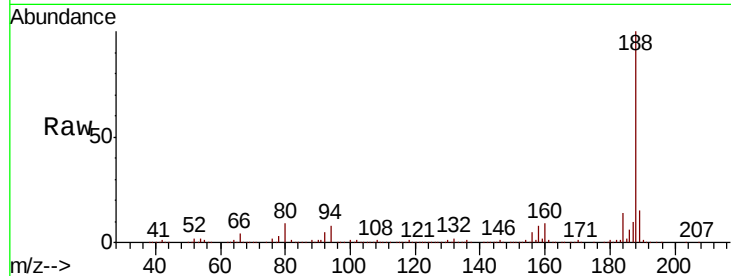
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Instrument :
BNA_F
ClientSampleId :
TP-32

Tot Ion	Ratio	Resp	Lower	Upper
188	100	366963		
94	8.3		6.7	10.1
80	9.0		7.4	11.2

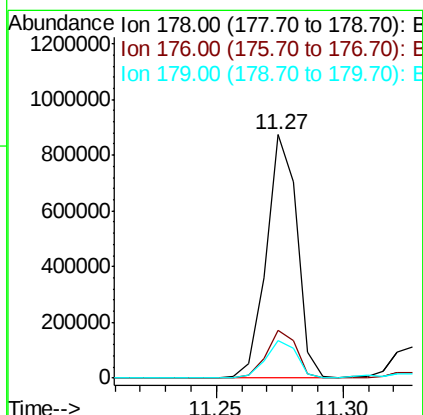
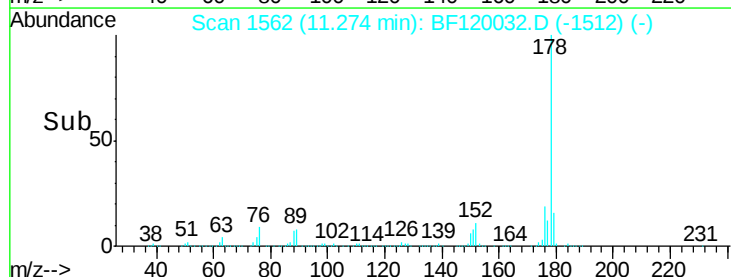
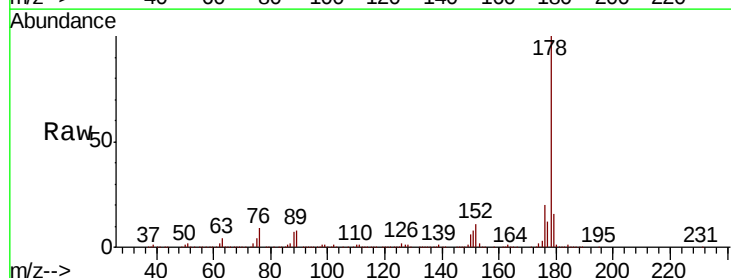
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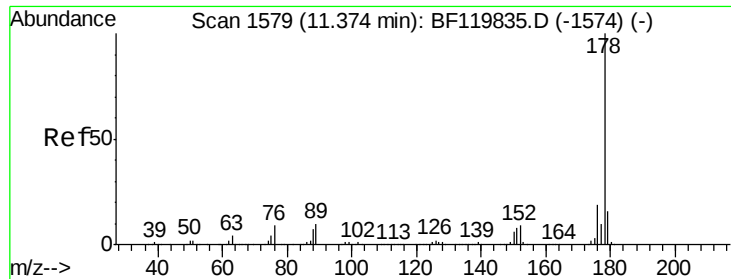
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#71
Phenanthrene
Concen: 37.982 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	741787		
176	19.5		15.1	22.7
179	15.5		12.2	18.4





#72

Anthracene

Concen: 4.715 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF120032.D

Acq: 16 Apr 2020 13:27

Instrument :

BNA_F

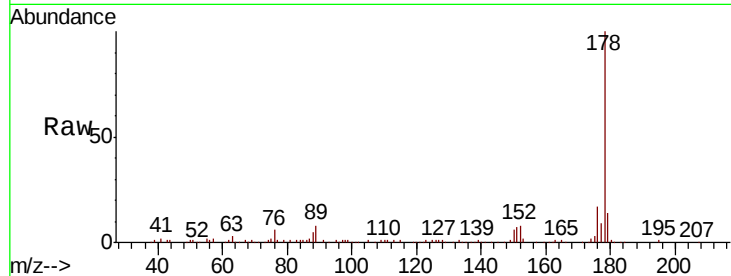
ClientSampled :

TP-32

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	16.7	15.4	23.2	
179	14.4	12.8	19.2	

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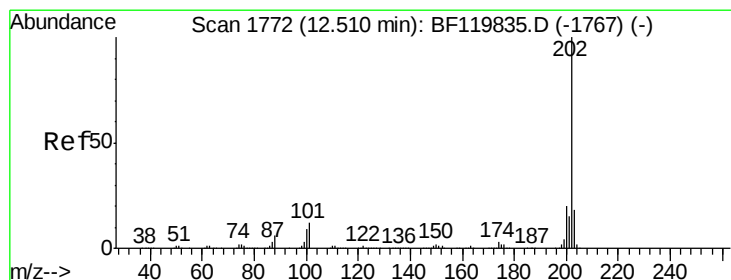
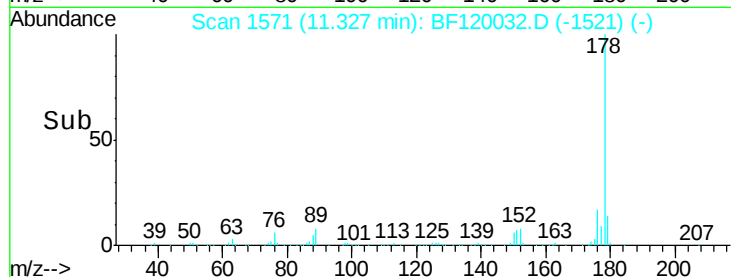
Abundance

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

Time-->



#75

Fluoranthene

Concen: 37.559 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.00 min

Lab File: BF120032.D

Acq: 16 Apr 2020 13:27

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	10.0	0.0	32.3	
203	17.5	0.0	37.6	

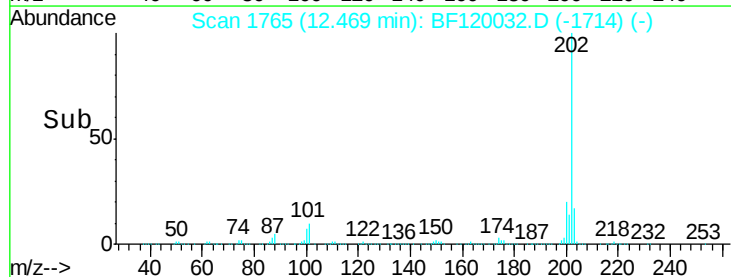
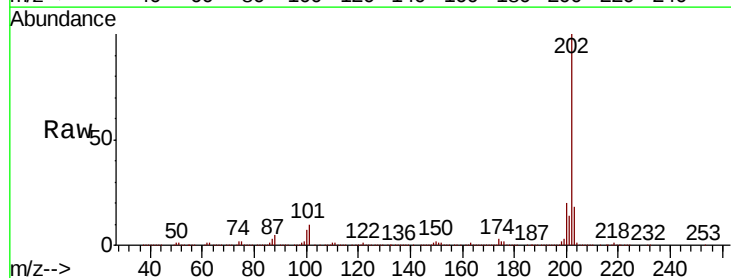
Abundance

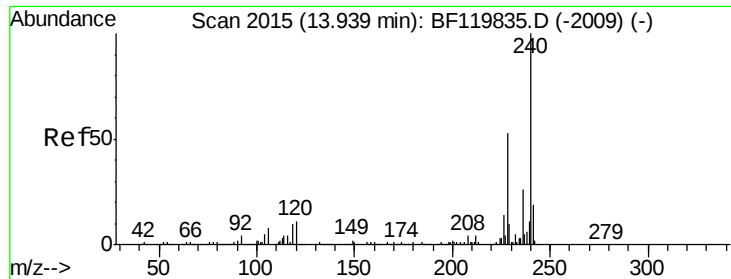
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->





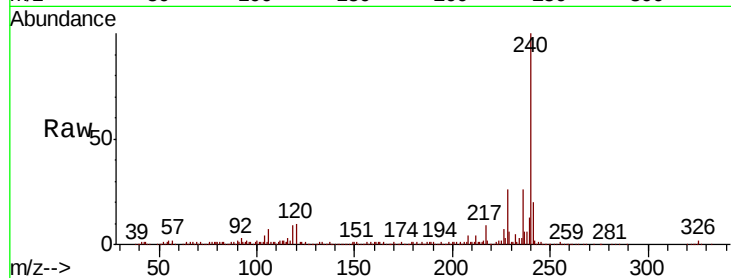
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Instrument :
BNA_F
ClientSampleId :
TP-32

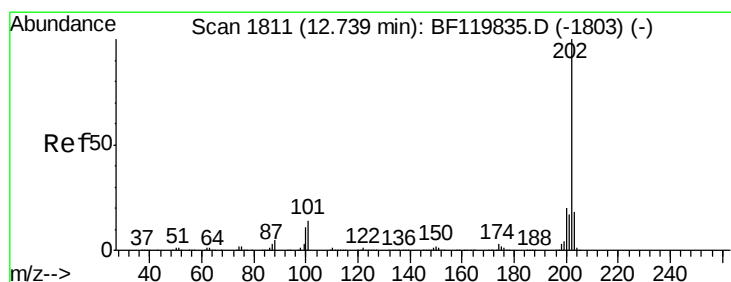
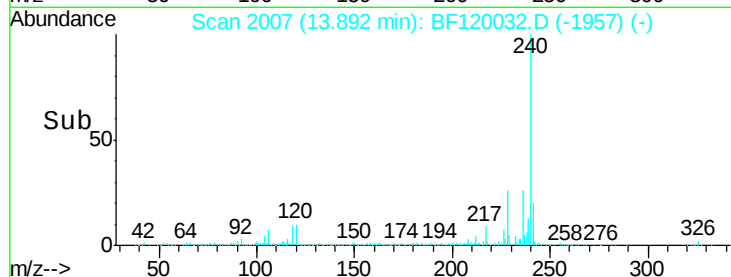
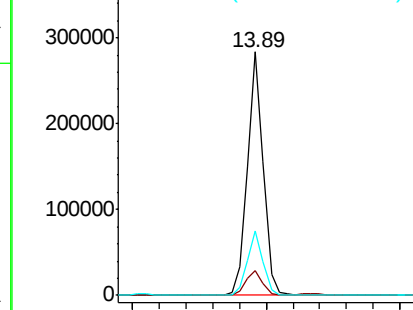
Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.3	9.0	13.6	
236	26.4	20.7	31.1	

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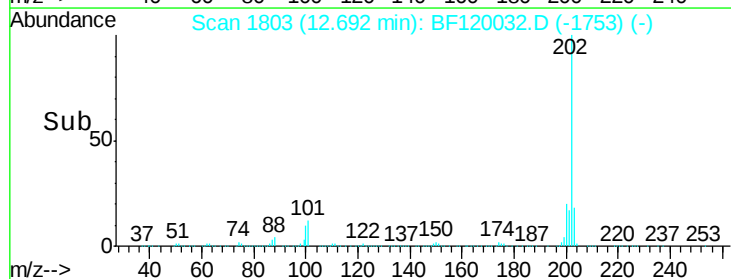
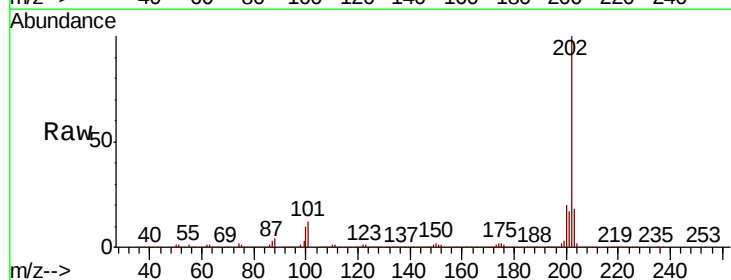
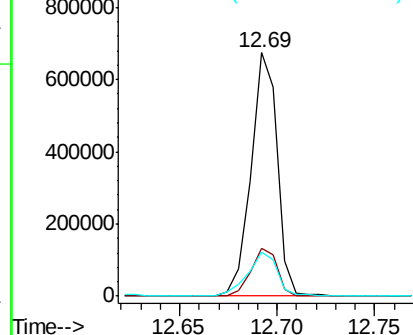
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

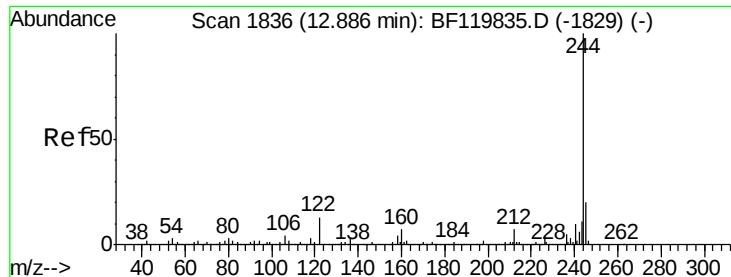


#78
Pyrene
Concen: 31.801 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.7	16.2	24.2	
203	18.2	14.1	21.1	

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





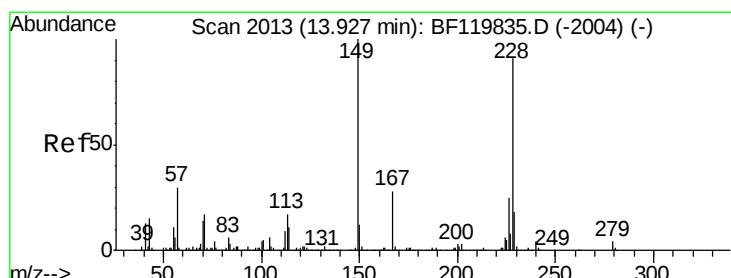
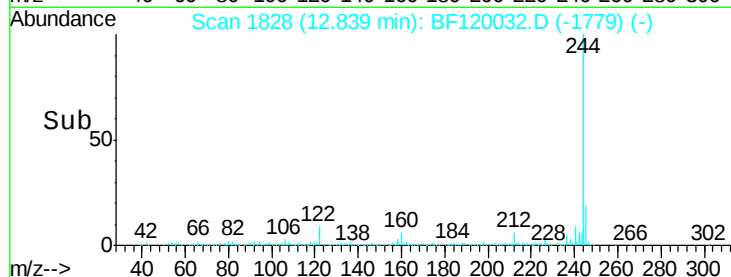
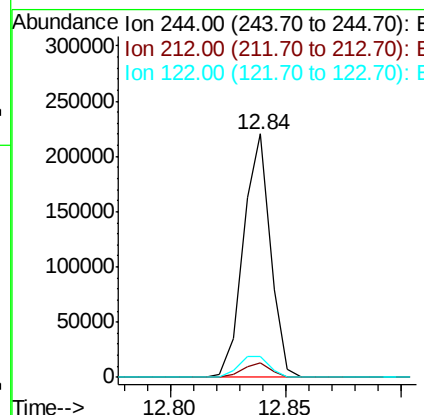
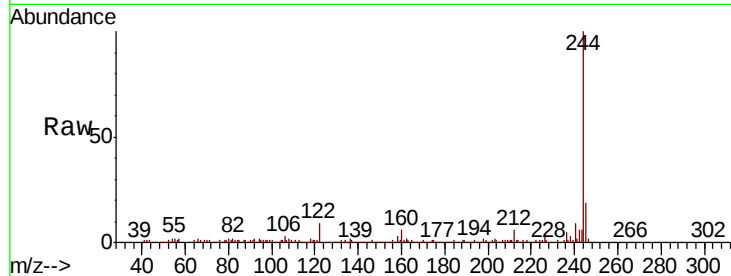
#79
 Terphenyl-d14
 Concen: 12.998 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF120032.D
 Acq: 16 Apr 2020 13:27

Instrument :
 BNA_F
 ClientSampleId :
 TP-32

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	8.7	10.3	15.5#

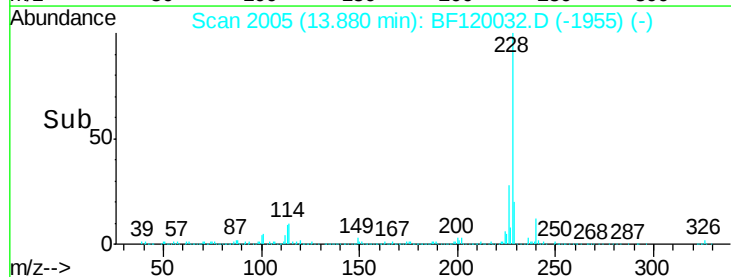
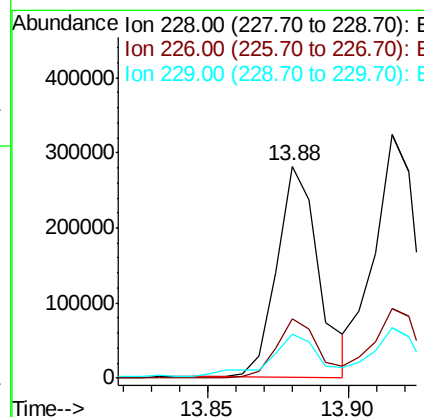
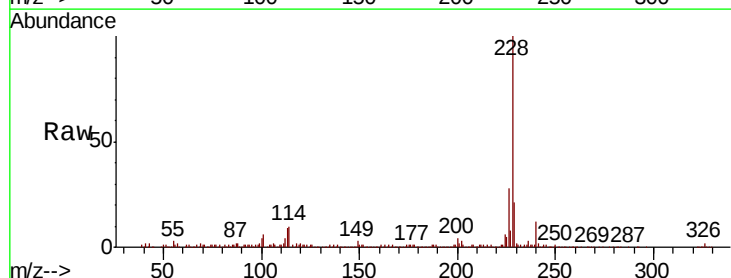
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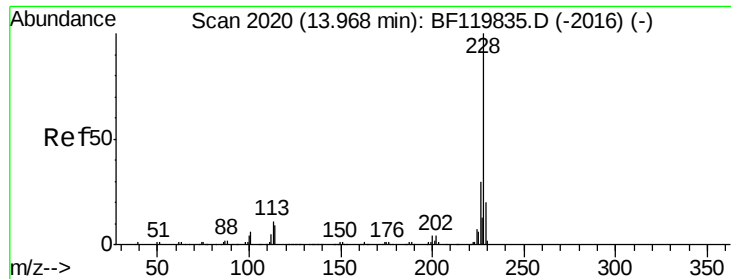
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#81
 Benzo(a)anthracene
 Concen: 18.812 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF120032.D
 Acq: 16 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	21.0	15.9	23.9





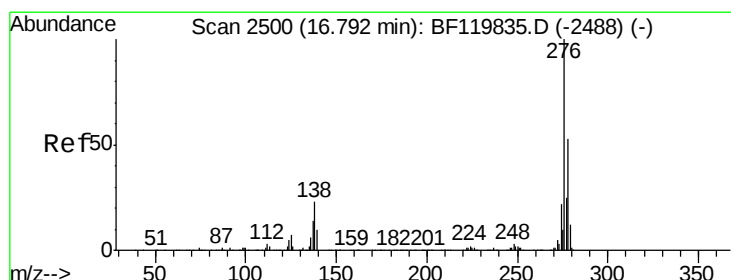
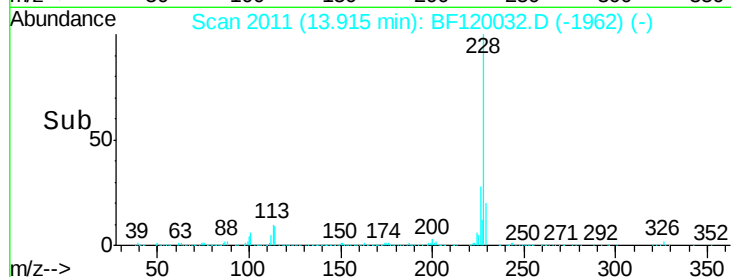
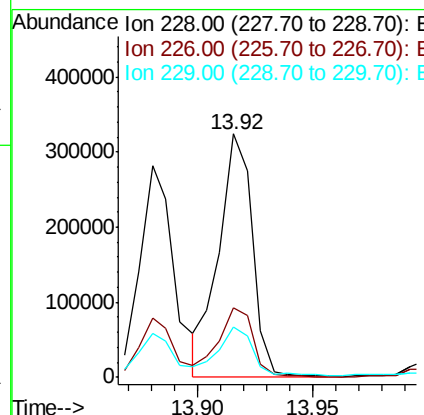
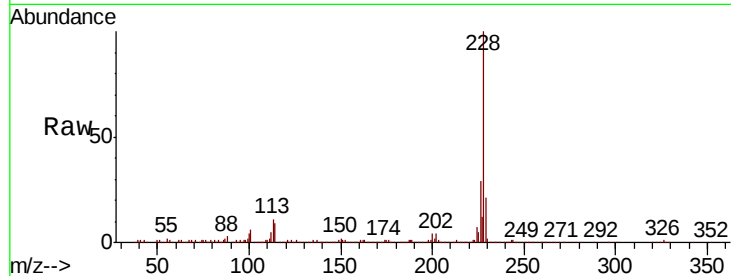
#83
Chrysene
Concen: 20.902 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Instrument :
BNA_F
ClientSampled :
TP-32

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.2	36.2
229	20.5	15.9	23.9

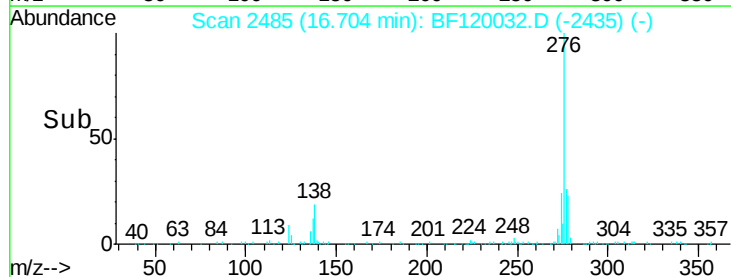
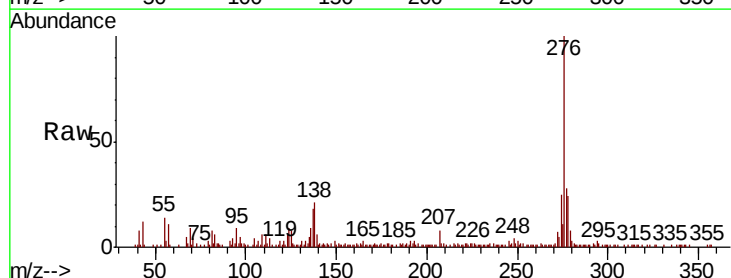
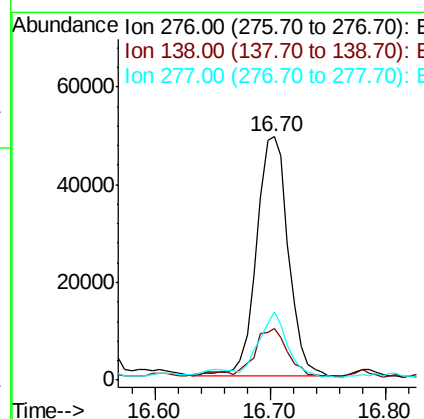
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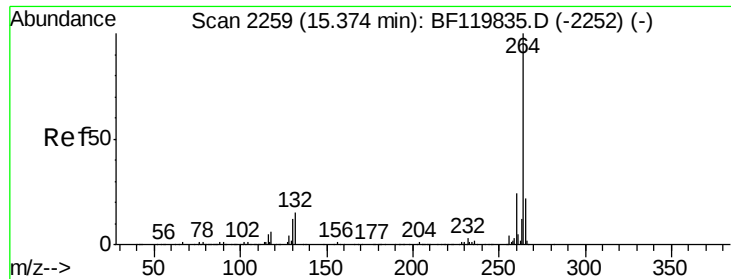
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.919 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	18.0	27.0
277	24.8	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2249

Delta R.T. -0.01 min

Lab File: BF120032.D

Acq: 16 Apr 2020 13:27

Instrument :

BNA_F

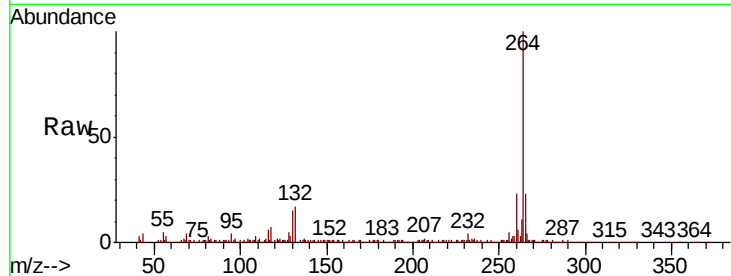
ClientSampled :

TP-32

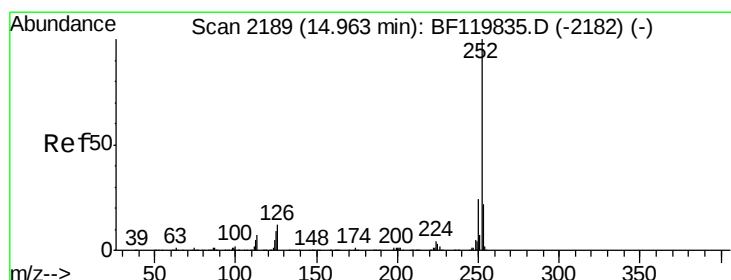
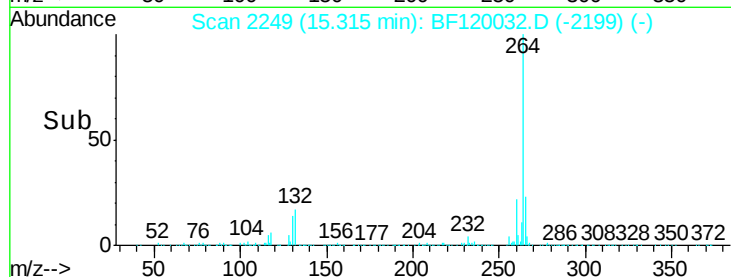
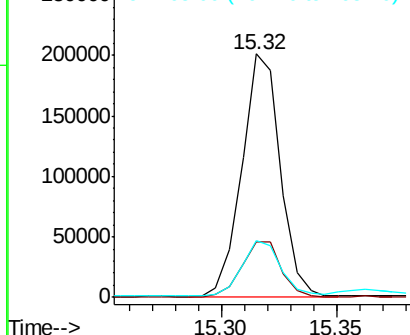
Tot Ion:	264	Resp:	232393
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.3	28.9
265	23.2	17.6	26.4

Manual Integrations
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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



#88

Benzo(b)fluoranthene

Concen: 21.268 ng m

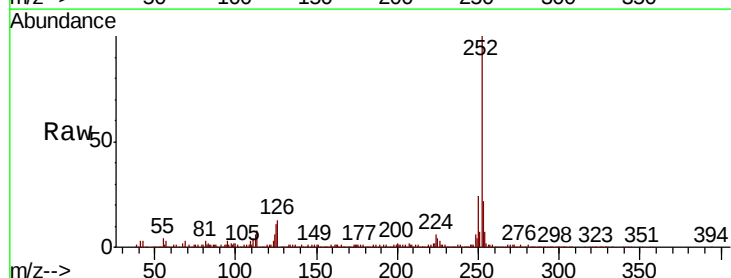
RT: 14.91 min Scan# 2180

Delta R.T. -0.01 min

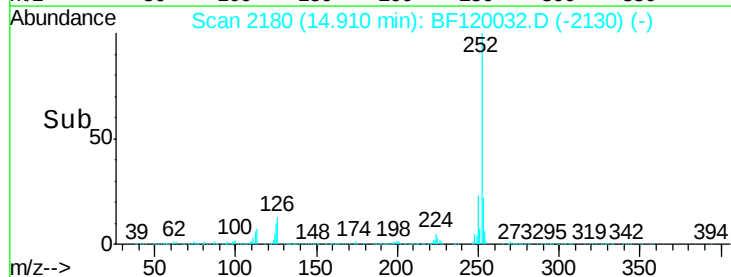
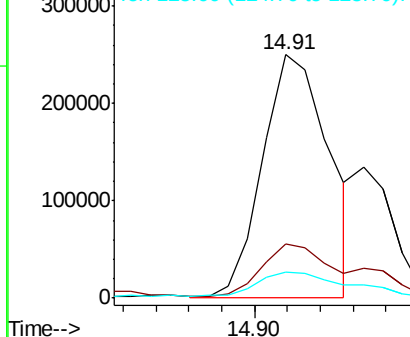
Lab File: BF120032.D

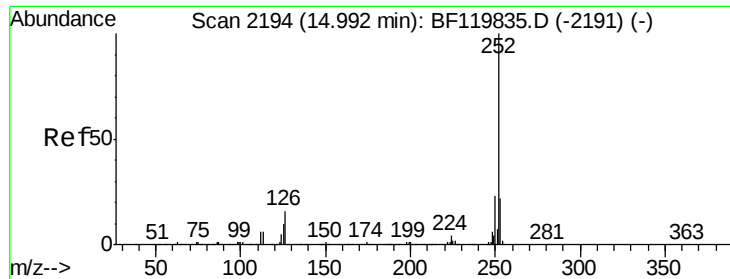
Acq: 16 Apr 2020 13:27

Tgt Ion:	252	Resp:	355561
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.7	26.5
125	10.7	7.4	11.2



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: 7.649 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BF120032.D

Acq: 16 Apr 2020 13:27

Instrument :

BNA_F

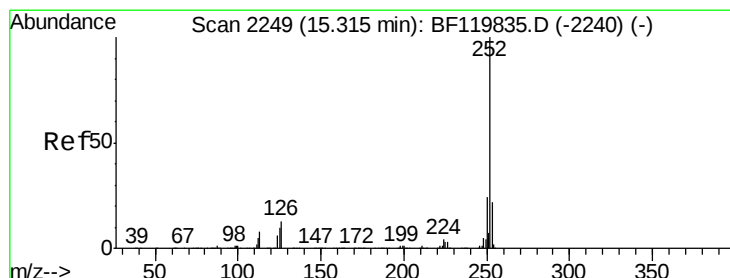
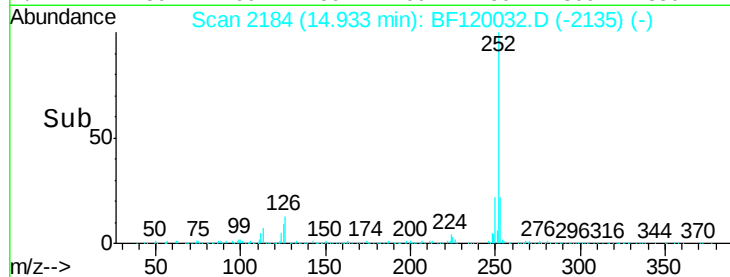
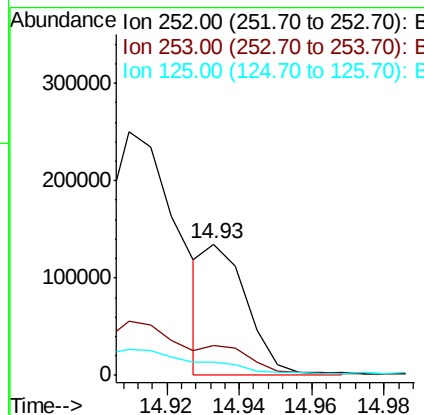
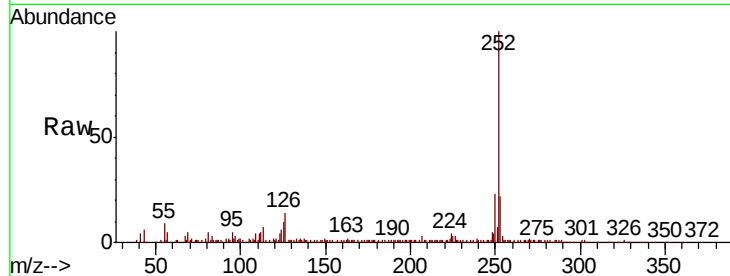
ClientSampled :

TP-32

Tot Ion:	252	Resp:	110339
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.8
125	9.8	7.7	11.5

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#90

Benzo(a)pyrene

Concen: 11.613 ng

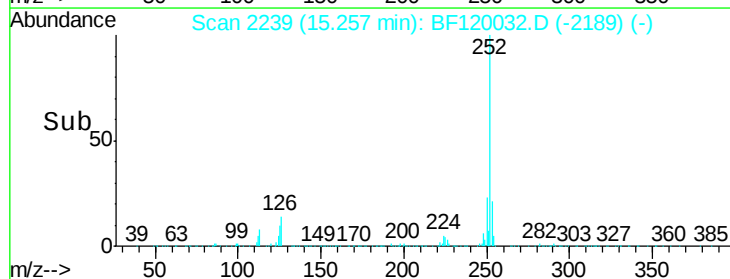
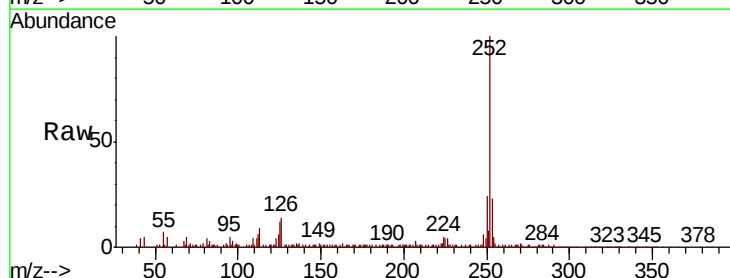
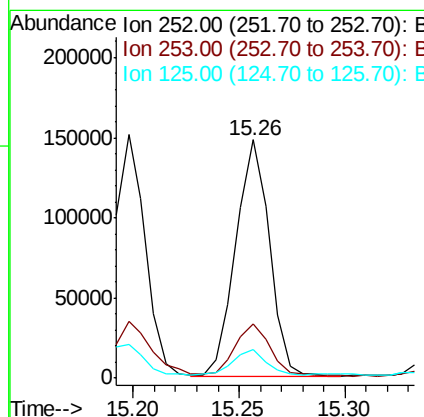
RT: 15.26 min Scan# 2239

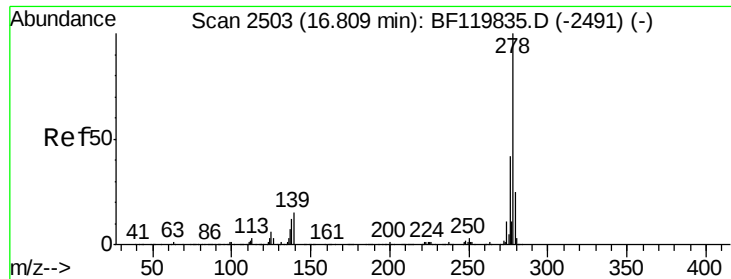
Delta R.T. -0.01 min

Lab File: BF120032.D

Acq: 16 Apr 2020 13:27

Tgt Ion:	252	Resp:	163234
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.2
125	11.8	8.3	12.5





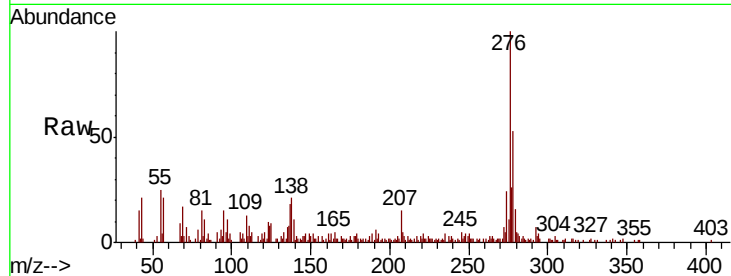
#91
Dibenzo(a,h)anthracene
Concen: 2.253 ng
RT: 16.72 min Scan# 2487
Delta R.T. -0.01 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Instrument :
BNA_F
ClientSampleId :
TP-32

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.0	11.6	17.4#
279	30.5	19.7	29.5#

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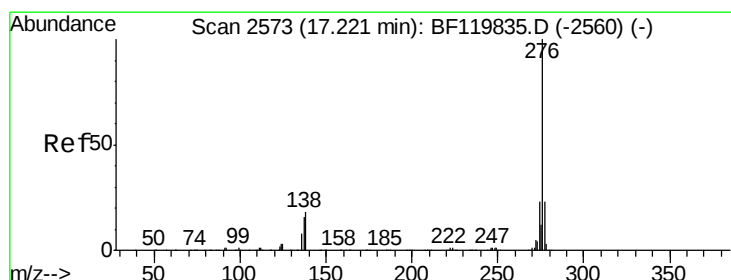
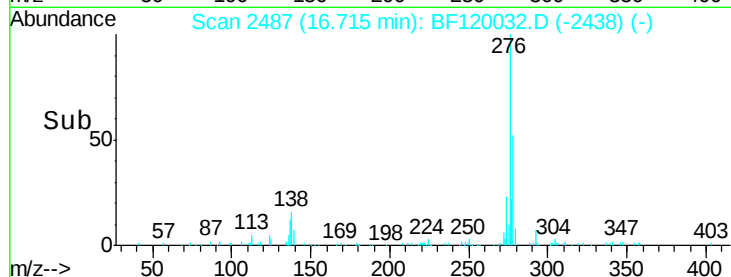
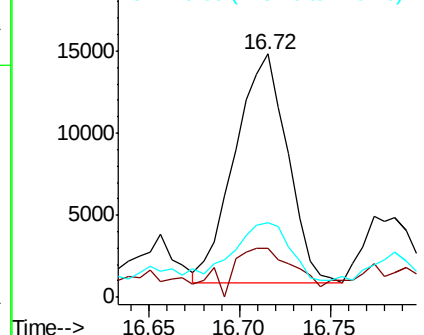


Abundance

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(g,h,i)perylene
Concen: 7.663 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF120032.D
Acq: 16 Apr 2020 13:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.5	27.7
138	21.1	14.6	22.0

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

