

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116631.D
 Acq On : 28 Aug 2019 22:46
 Operator : HP/JU
 Sample : K4573-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S702A-N-0.0-0.5-082719

Manual Integrations
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Quant Time: Aug 29 03:58:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	88161	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	375601	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	201036	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	339572	20.00	ng	0.00
76) Chrysene-d12	14.00	240	106340	20.00	ng	0.00
87) Perylene-d12	15.46	264	122876	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	544532	106.68	ng	0.00
7) Phenol-d6	6.49	99	764240	110.44	ng	0.00
23) Nitrobenzene-d5	7.42	82	461964	70.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	191622	100.16	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	933536	77.28	ng	0.00
79) Terphenyl-d14	12.96	244	527559	80.68	ng	0.00
Target Compounds						
10) Phenol	6.50	94	43920	5.786	ng	97
50) Dimethylphthalate	9.60	163	82305	6.090	ng	99
71) Phenanthrene	11.40	178	75974	4.165	ng	98
75) Fluoranthene	12.59	202	157279	9.615	ng	97
78) Pyrene	12.81	202	112634	11.519	ng	98
81) Benzo(a)anthracene	13.99	228	29483	4.159	ng	94
83) Chrysene	14.03	228	35030	5.047	ng	97
86) Indeno(1,2,3-cd)pyrene	16.90	276	19869	7.300	ng	95
88) Benzo(b)fluoranthene	15.04	252	48410m	6.415	ng	
90) Benzo(a)pyrene	15.40	252	28452	4.225	ng	98
92) Benzo(g,h,i)perylene	17.34	276	16494	2.524	ng	# 94

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

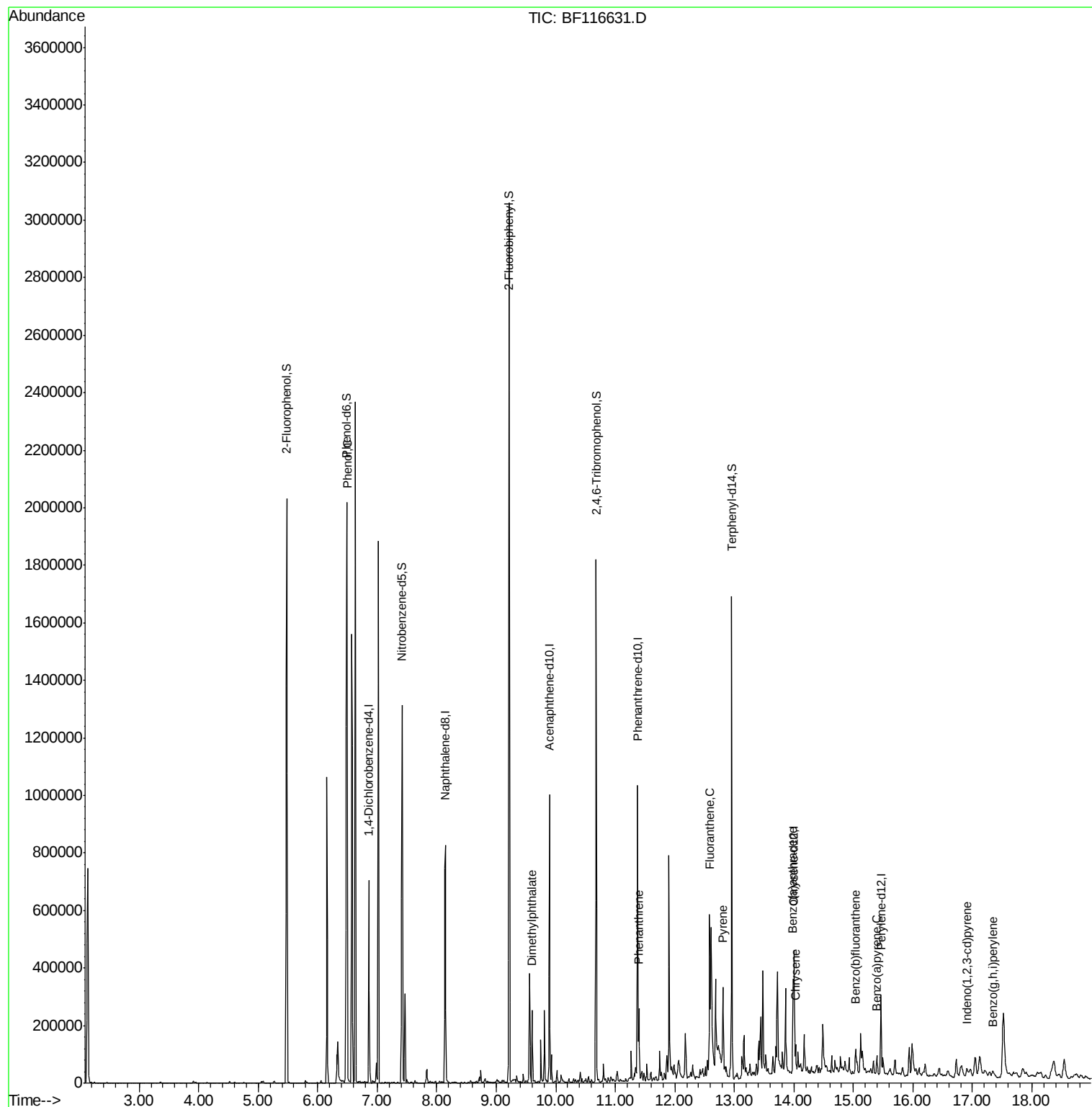
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116631.D
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ALS Vial : 13 Sample Multiplier: 1

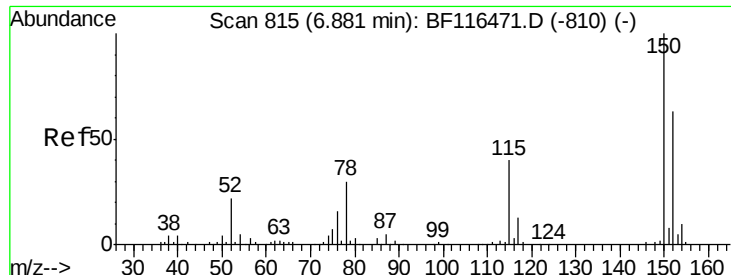
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ClientSampleId :
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#1

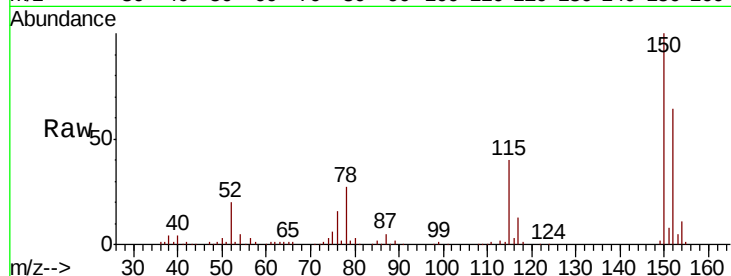
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Instrument :
BNA_F
ClientSampleId :
S702A-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.4	185.2
115	61.9	48.2	72.2

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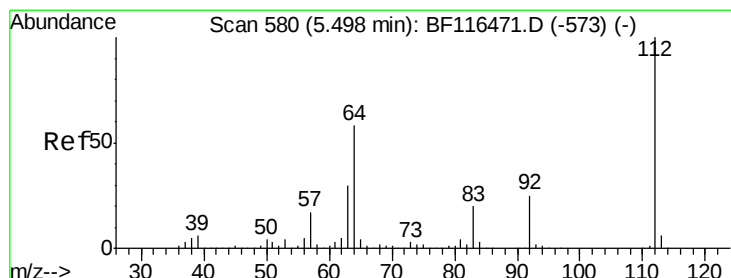
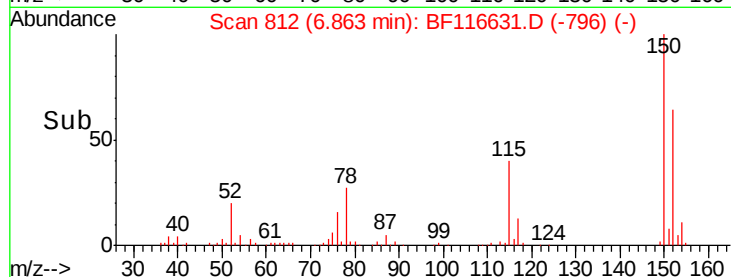
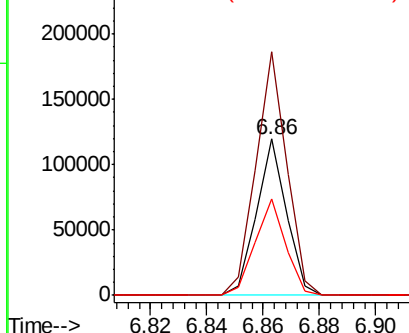


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

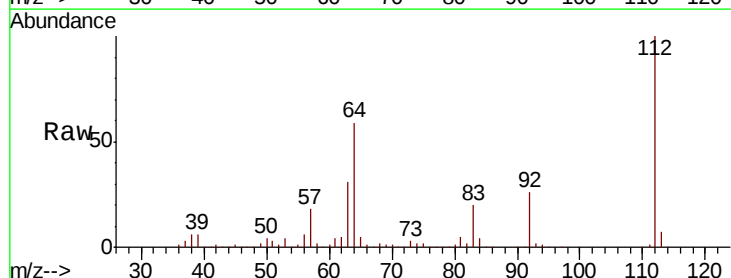
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.683 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	48.0	72.0
63	31.1	24.6	36.8

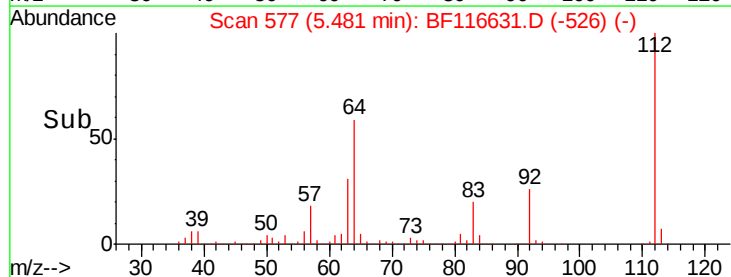
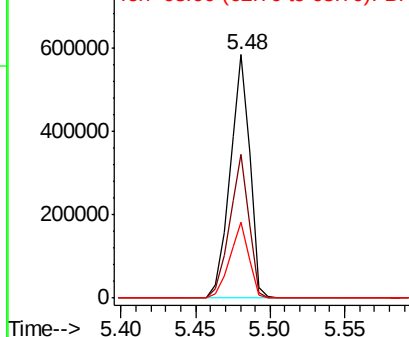


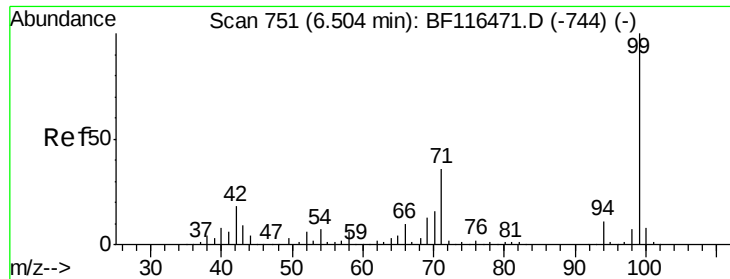
Abundance

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: 110.440 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116631.D

Acq: 28 Aug 2019 22:46

Instrument :

BNA_F

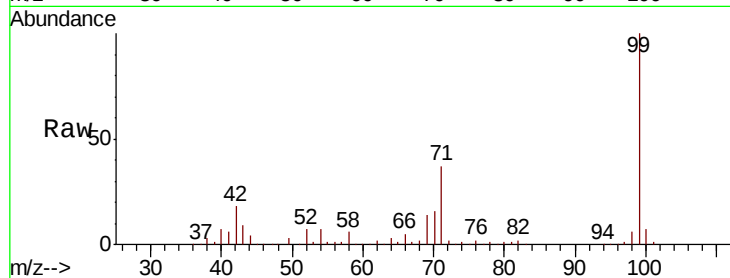
ClientSampleId :

S702A-N-0.0-0.5-082719

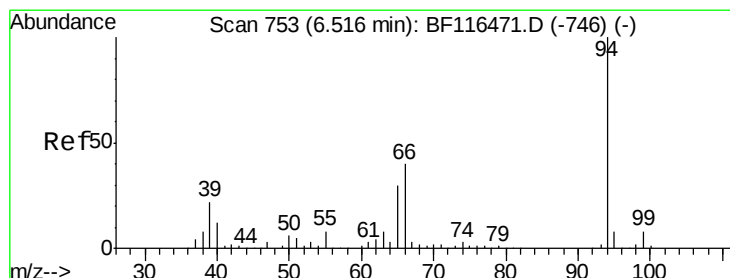
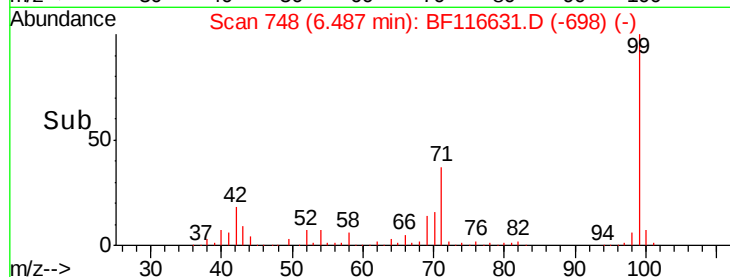
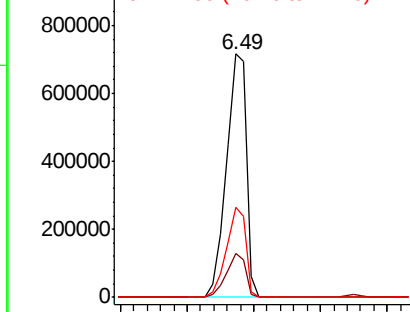
Tot Ion:	99	Resp:	764240
Ion Ratio	Lower	Upper	
99	100		
42	18.1	13.2	19.8
71	37.1	27.4	41.2

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.786 ng

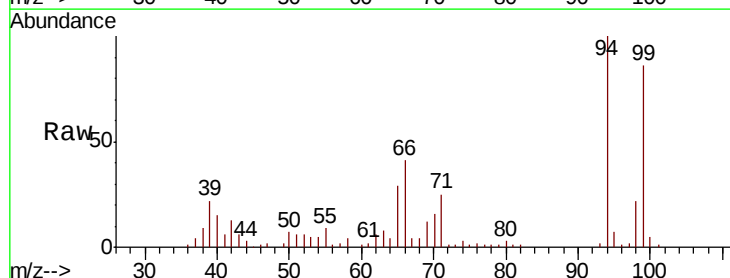
RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

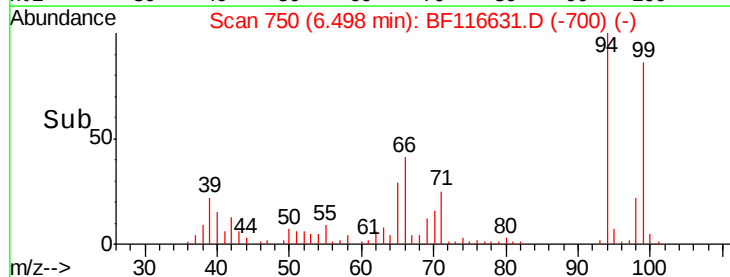
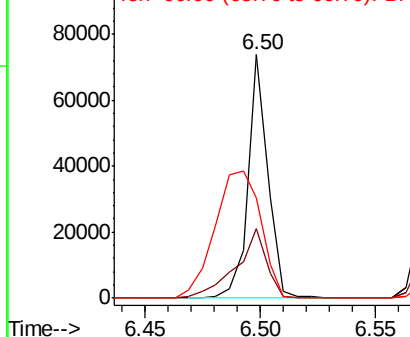
Lab File: BF116631.D

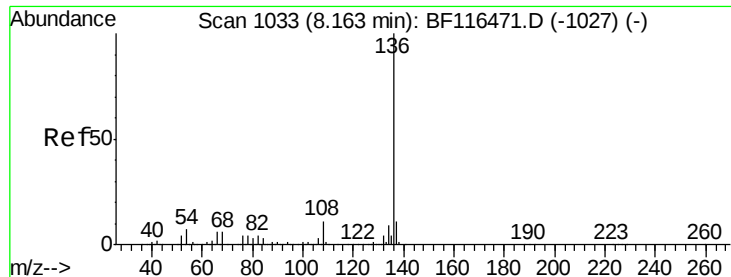
Acq: 28 Aug 2019 22:46

Tgt Ion:	94	Resp:	43920
Ion Ratio	Lower	Upper	
94	100		
65	28.6	8.6	48.6
66	41.0	18.0	58.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





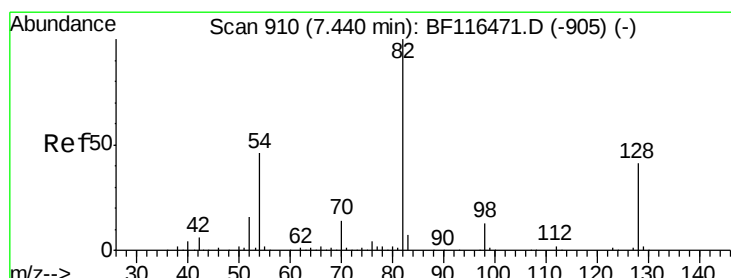
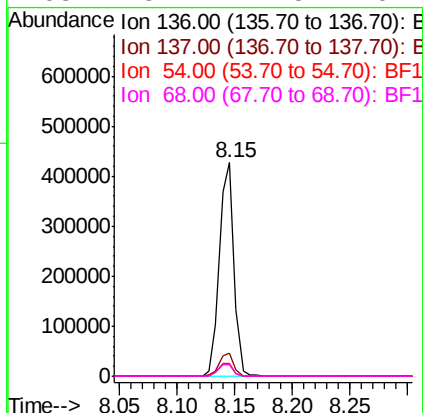
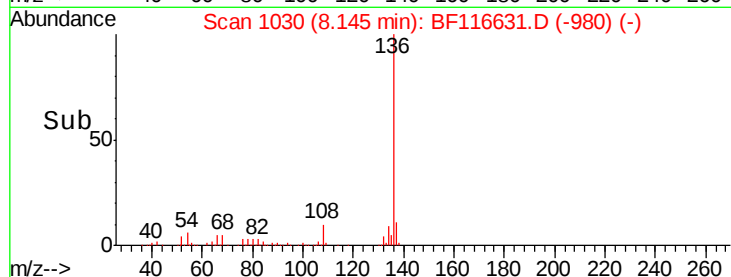
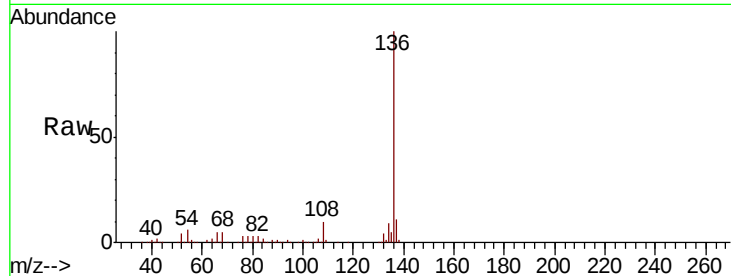
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Instrument :
BNA_F
ClientSampleId :
S702A-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
136	100	375601		
137	10.5	8.7	13.1	
54	6.1	5.0	7.4	
68	5.4	4.5	6.7	

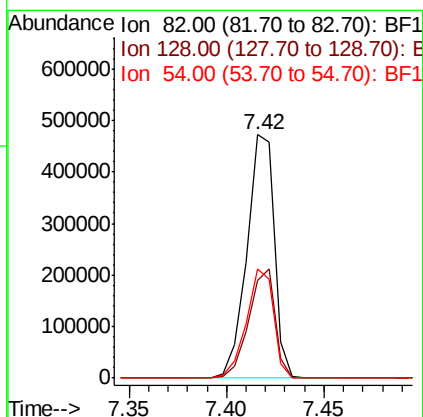
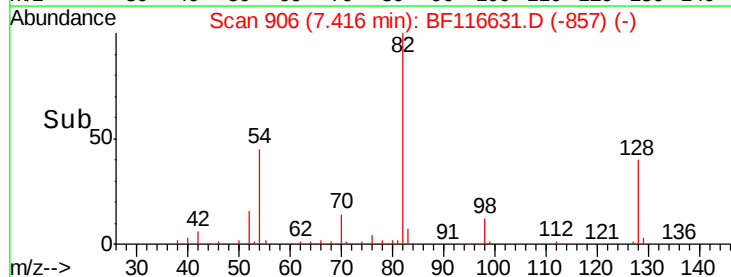
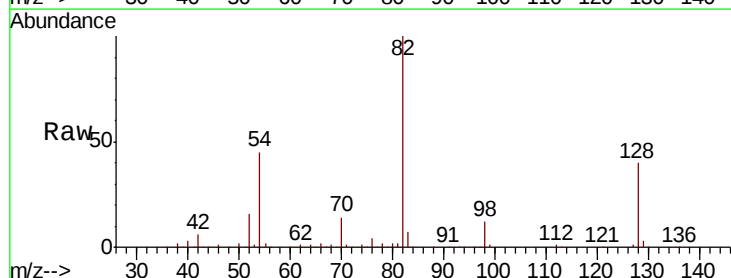
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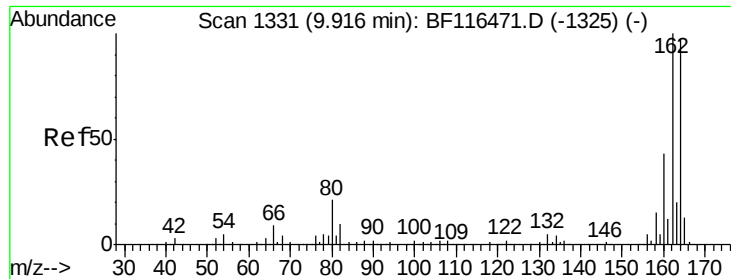
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#23
Nitrobenzene-d5
Concen: 70.377 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	461964		
128	40.4	35.0	52.6	
54	45.0	34.4	51.6	





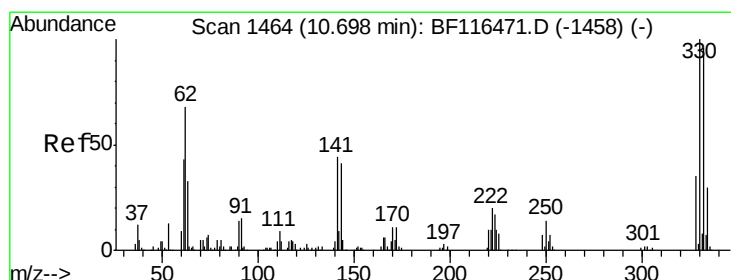
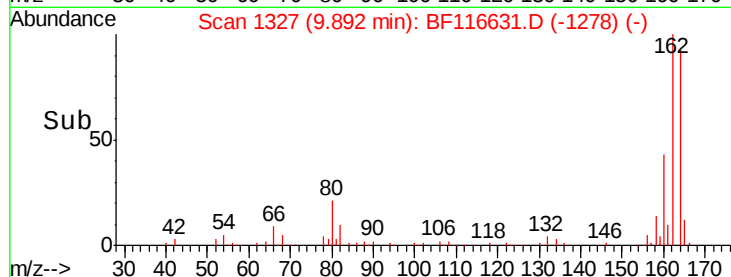
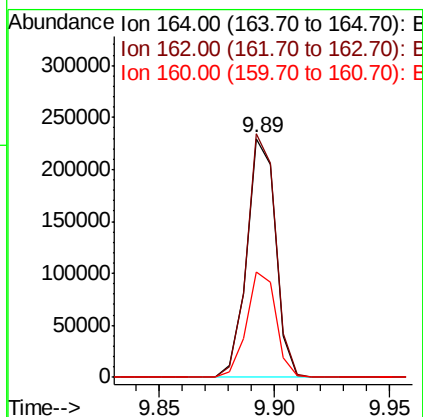
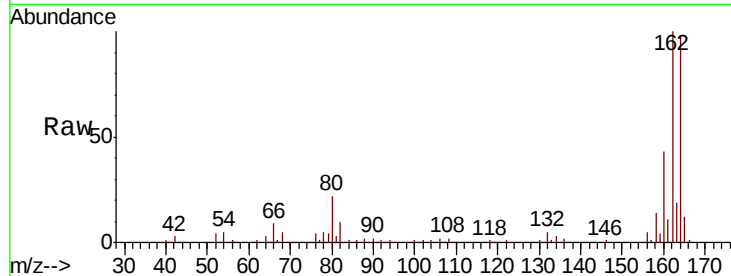
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Instrument :
BNA_F
ClientSampleId :
S702A-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	83.4	125.0	
160	44.2	37.0	55.4	

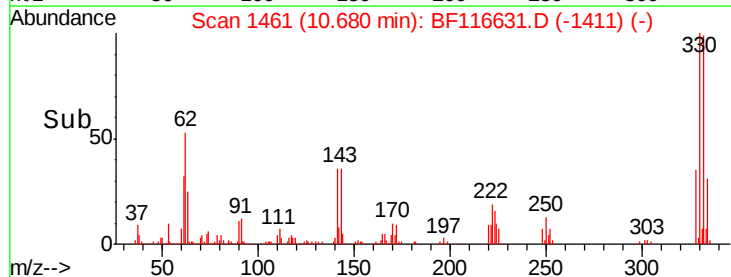
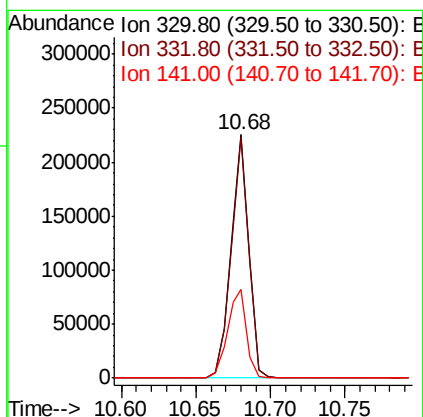
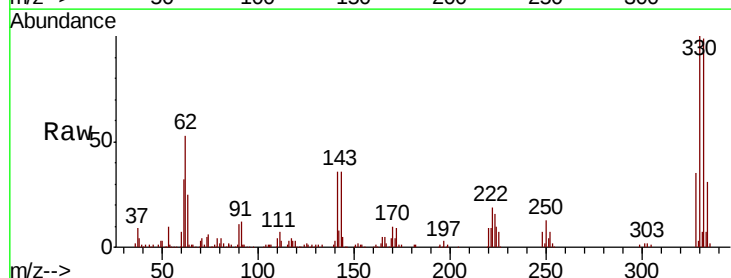
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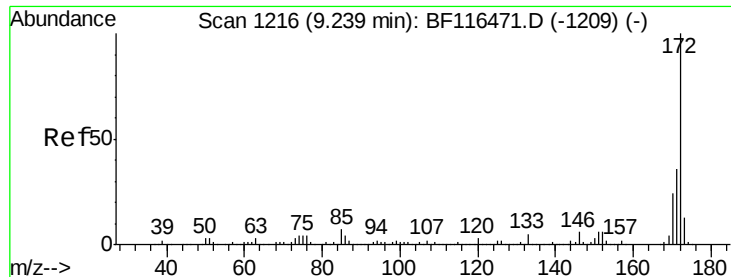
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#42
2,4,6-Tribromophenol
Concen: 100.164 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.2	77.5	116.3	
141	38.6	28.2	42.2	





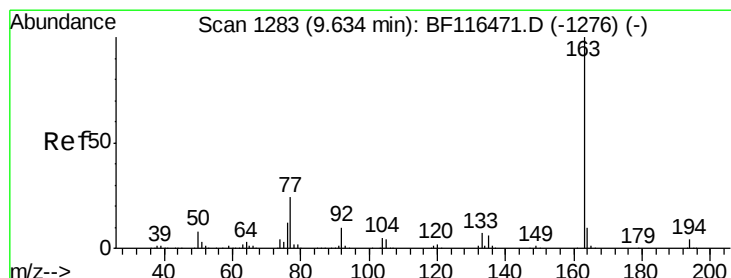
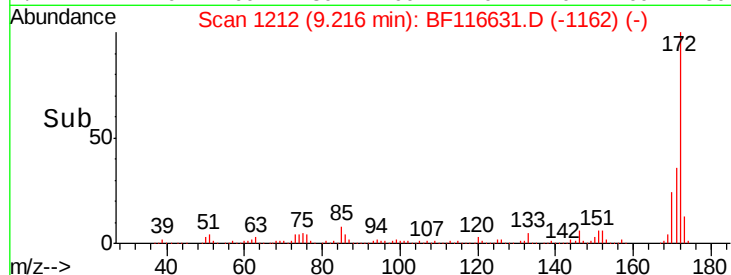
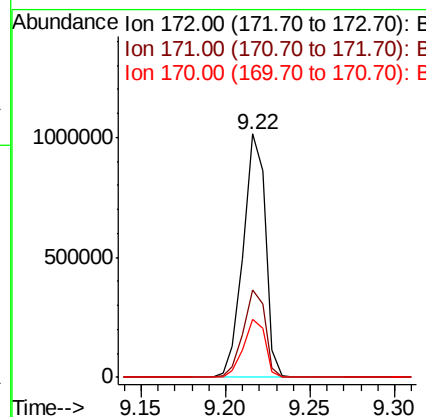
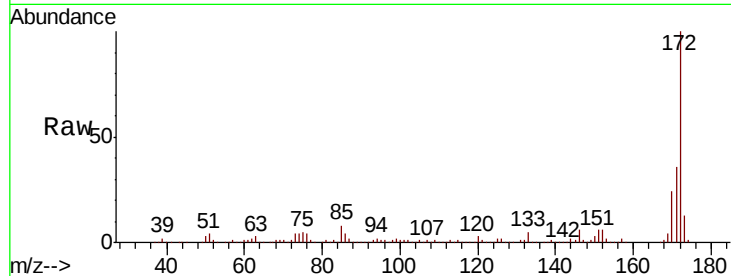
#45
2-Fluorobiphenyl
Concen: 77.279 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Instrument :
BNA_F
ClientSampleId :
S702A-N-0.0-0.5-082719

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0	29.0	43.6	
170	23.9	19.3	28.9	

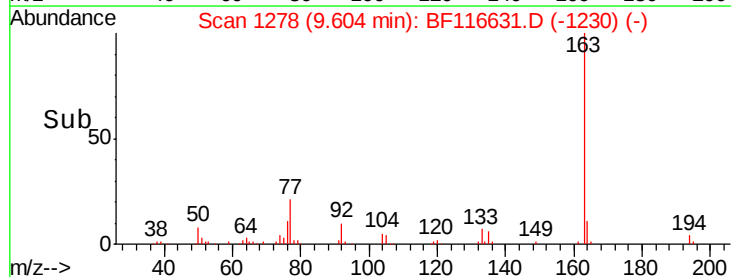
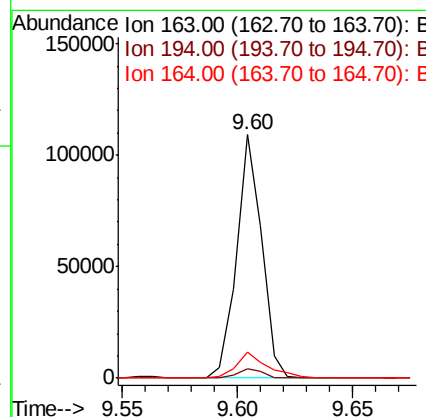
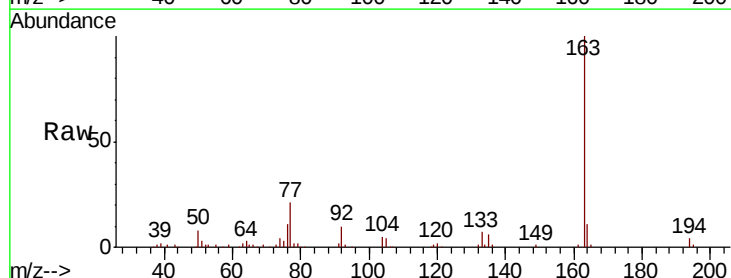
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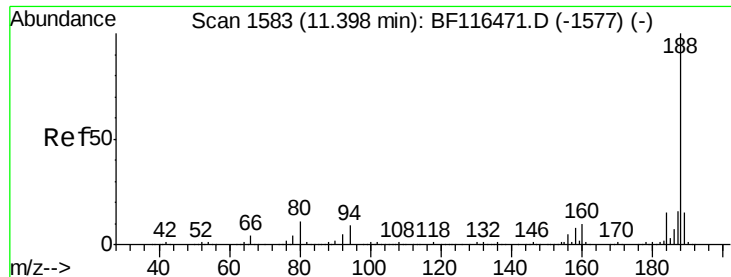
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#50
Dimethylphthalate
Concen: 6.090 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	3.0	4.6	
164	10.5	8.2	12.2	





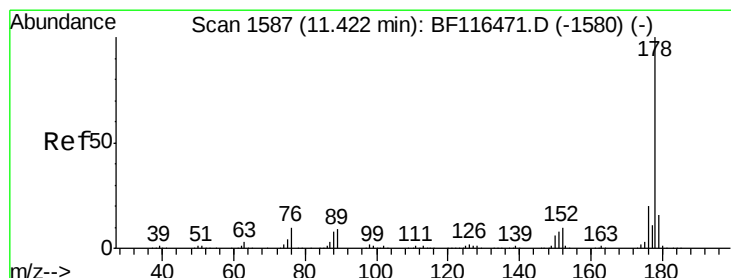
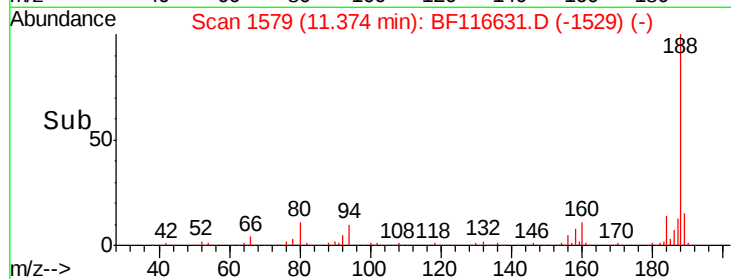
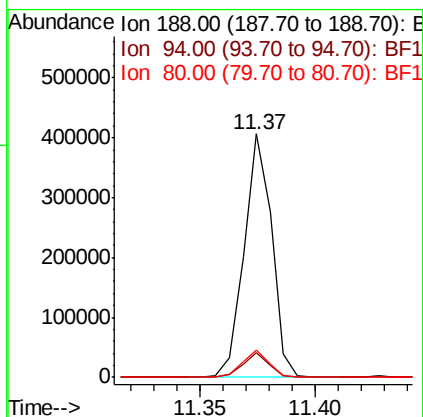
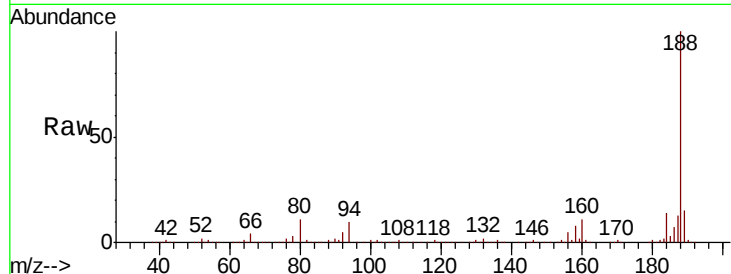
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Instrument :
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Tot Ion	188	Resp	339572
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.2	12.4
80	11.0	8.9	13.3

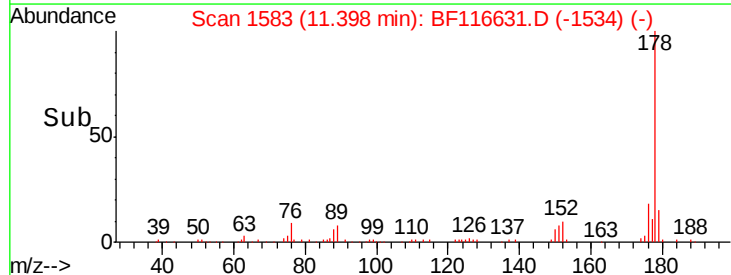
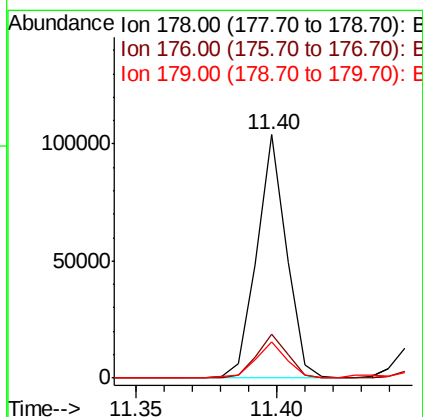
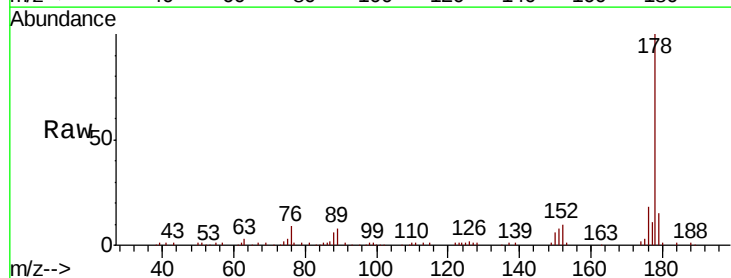
Manual Integrations
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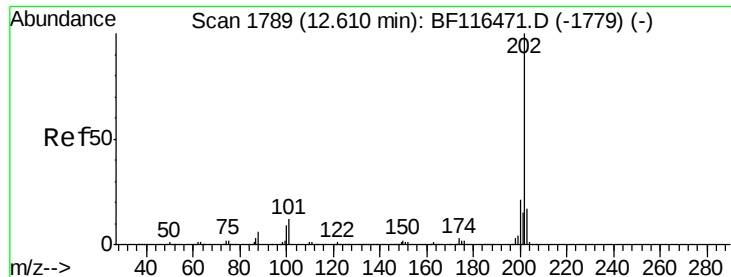
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#71
Phenanthrene
Concen: 4.165 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Tgt Ion	178	Resp	75974
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.5	23.3
179	15.0	12.4	18.6





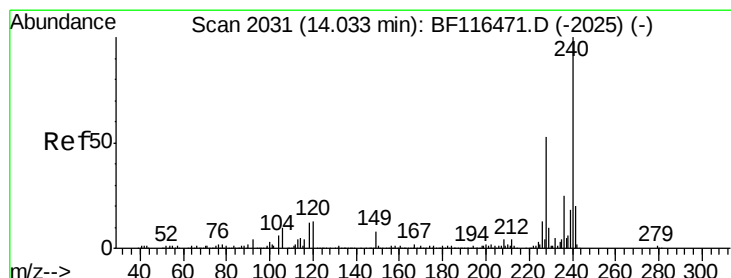
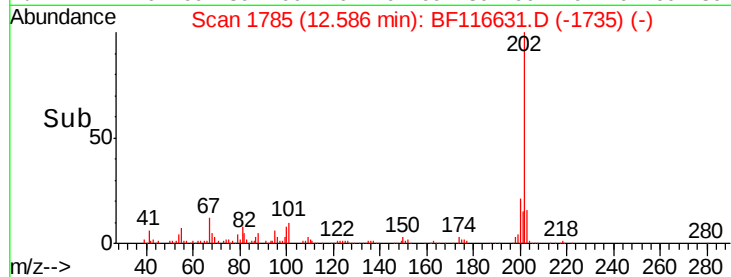
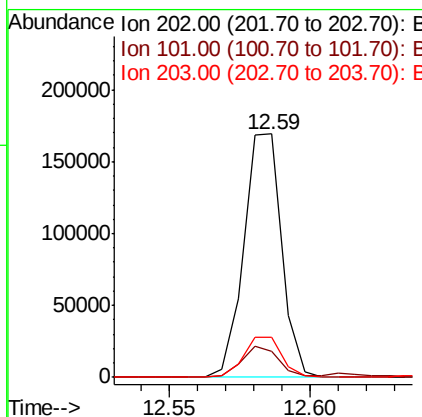
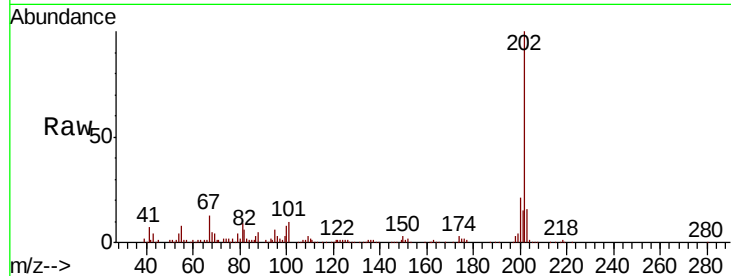
#75
 Fluoranthene
 Concen: 9.615 ng
 RT: 12.59 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BF116631.D
 Acq: 28 Aug 2019 22:46

Instrument :
 BNA_F
 ClientSampleId :
 S702A-N-0.0-0.5-082719

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		157279		
101	10.4	0.0	31.8		
203	16.3	0.0	37.1		

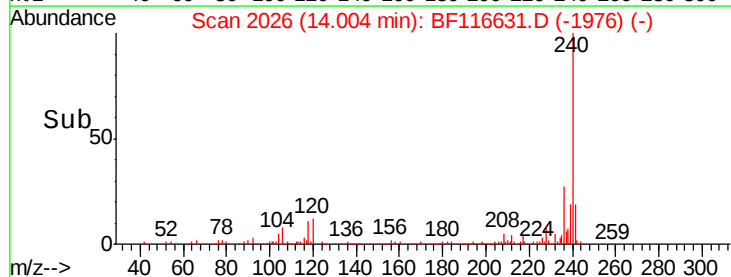
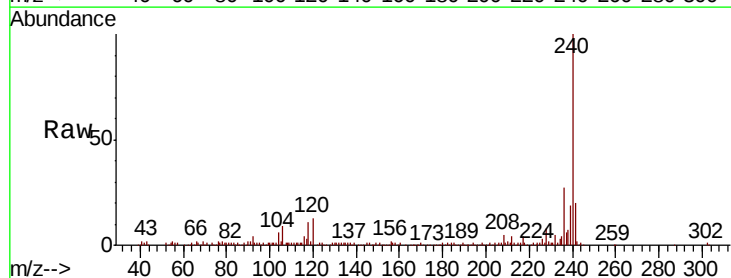
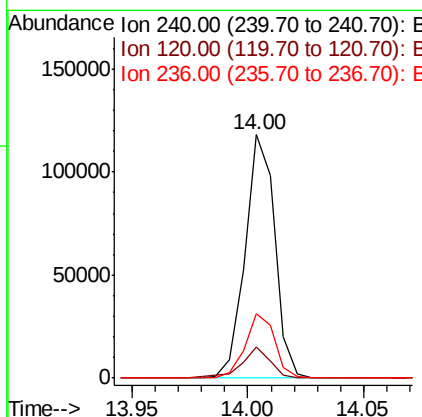
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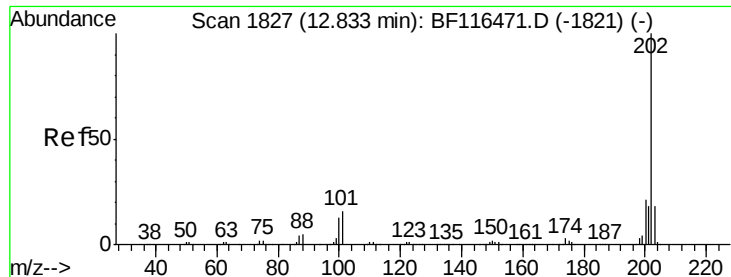
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF116631.D
 Acq: 28 Aug 2019 22:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		106340		
120	12.8	11.3	16.9		
236	26.6	21.4	32.2		





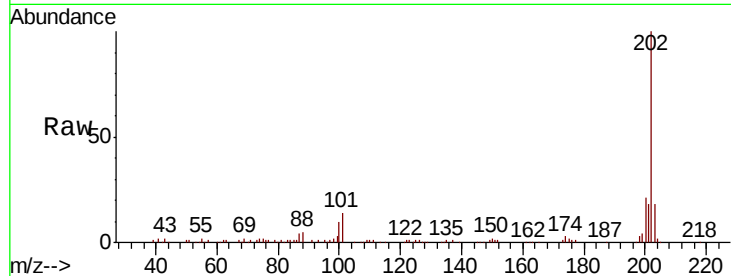
#78
Pvrene
Concen: 11.519 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Instrument :
BNA_F
ClientSampleId :
S702A-N-0.0-0.5-082719

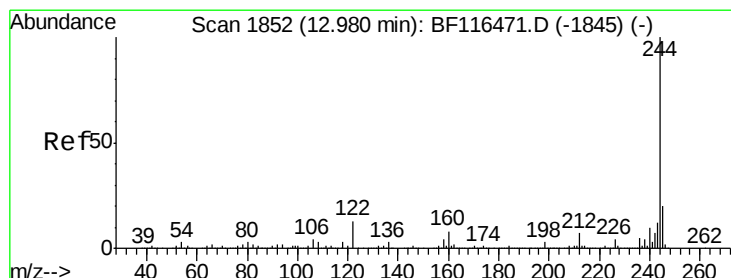
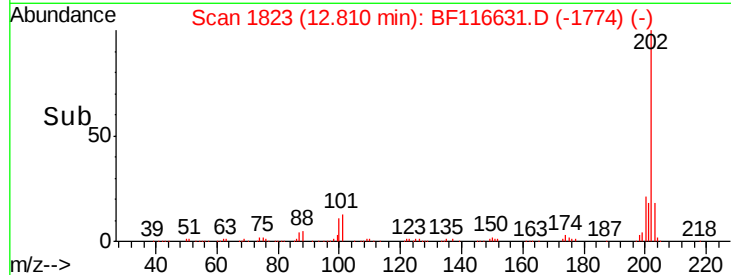
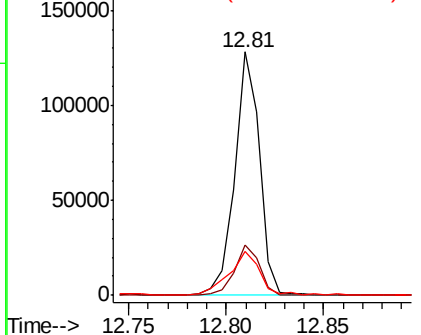
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.8	17.4	26.0		
203	18.3	14.2	21.4		

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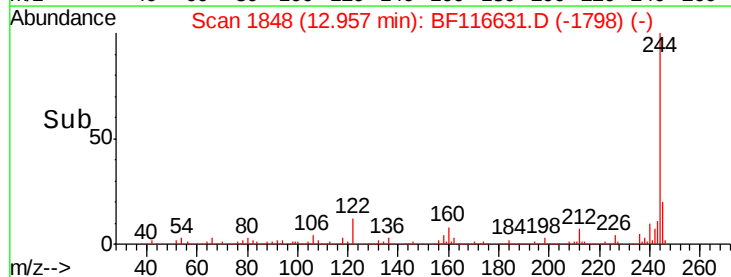
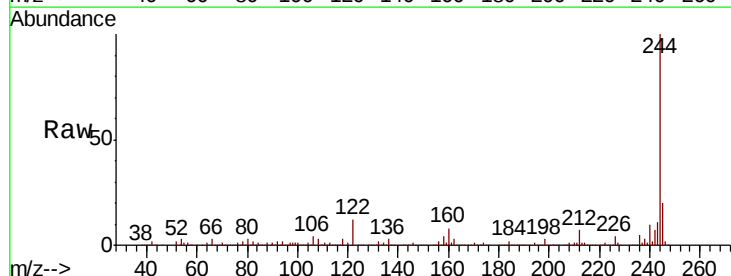
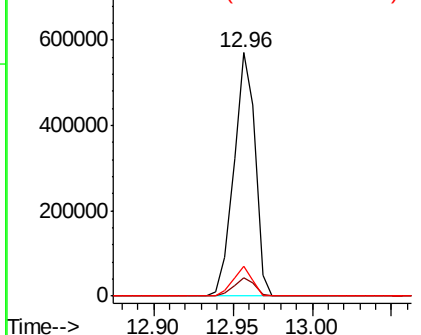
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

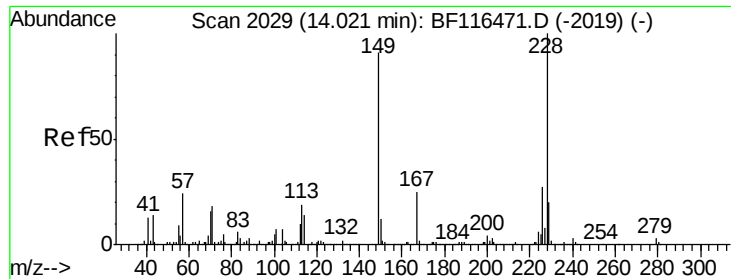


#79
Terphenyl-d14
Concen: 80.684 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.5	5.9	8.9		
122	12.3	10.0	15.0		

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





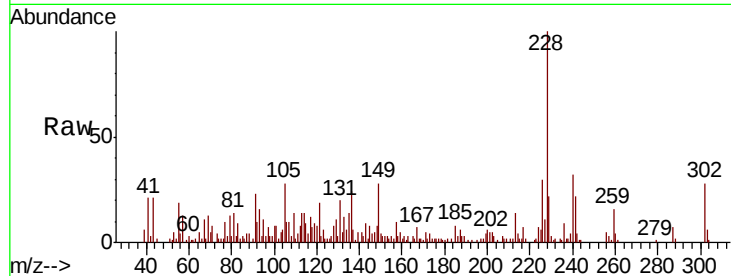
#81
Benzo(a)anthracene
Concen: 4.159 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Instrument :
BNA_F
ClientSampleId :
S702A-N-0.0-0.5-082719

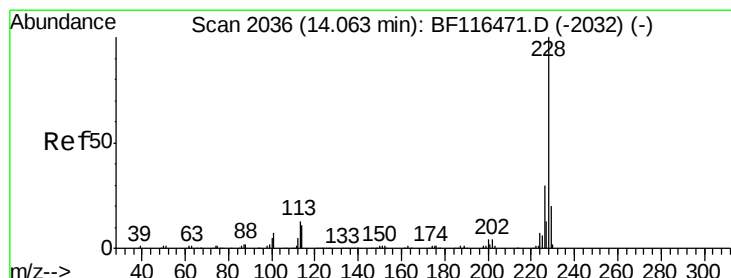
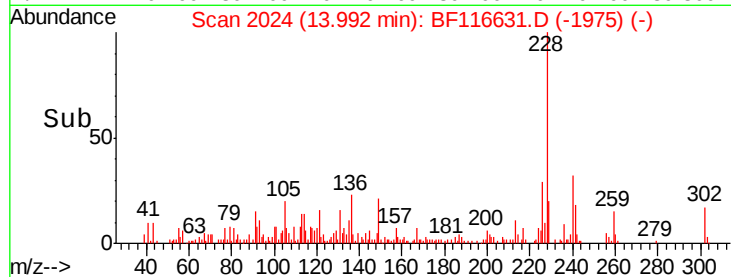
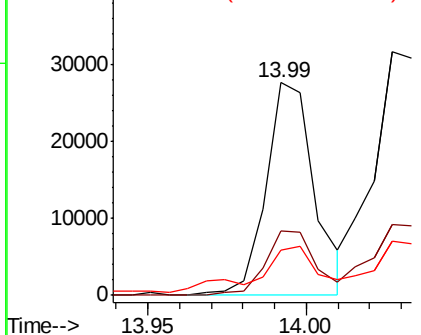
Tot Ion:	228	Resp:	29483
Ion Ratio	Lower	Upper	
228	100		
226	30.1	21.5	32.3
229	21.5	15.4	23.0

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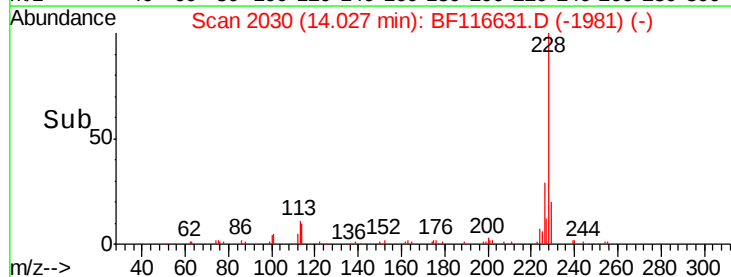
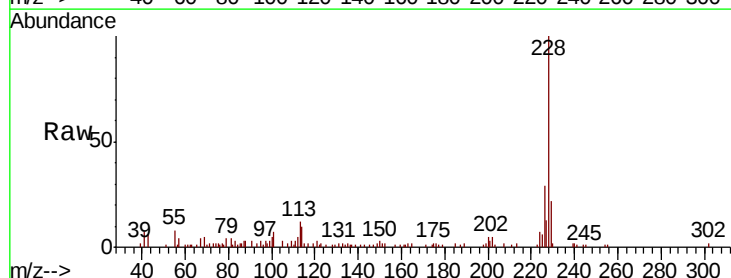
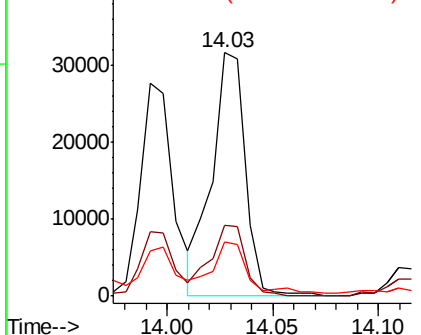
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

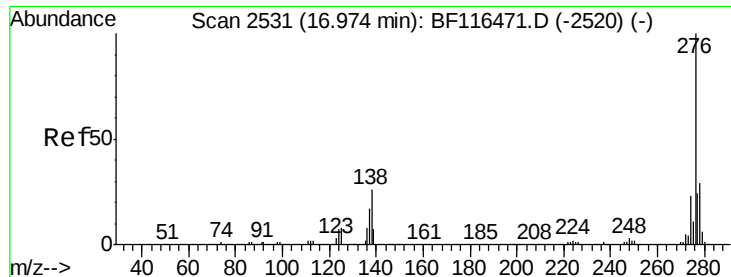


#83
Chrysene
Concen: 5.047 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Tgt Ion:	228	Resp:	35030
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.0	36.0
229	22.4	15.8	23.8

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





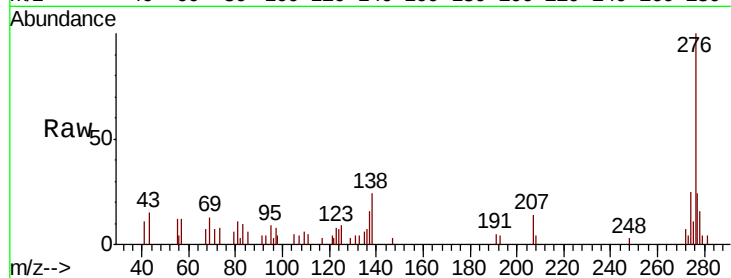
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.300 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF116631.D
 Acq: 28 Aug 2019 22:46

Instrument :
 BNA_F
 ClientSampleId :
 S702A-N-0.0-0.5-082719

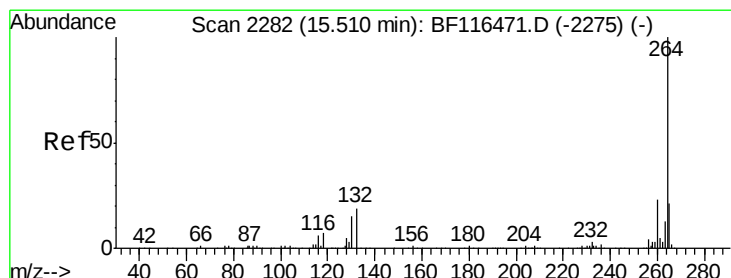
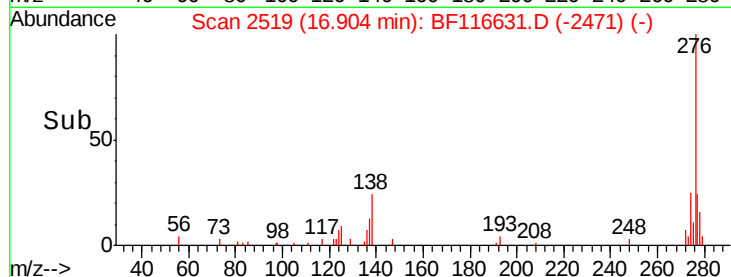
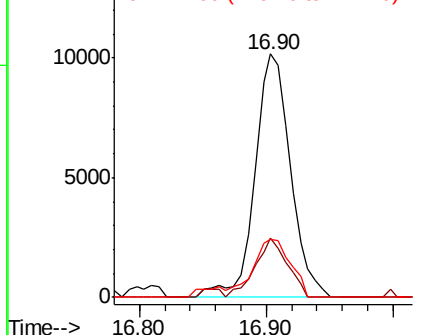
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	21.5	32.3
277	25.0	20.0	30.0

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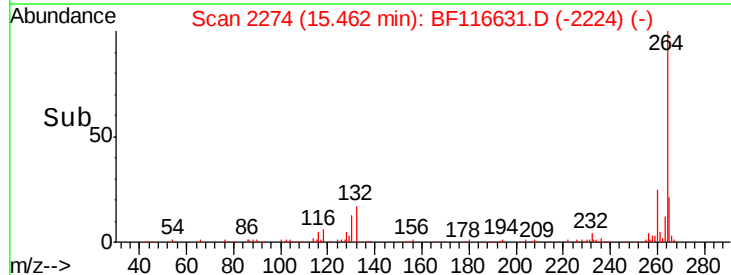
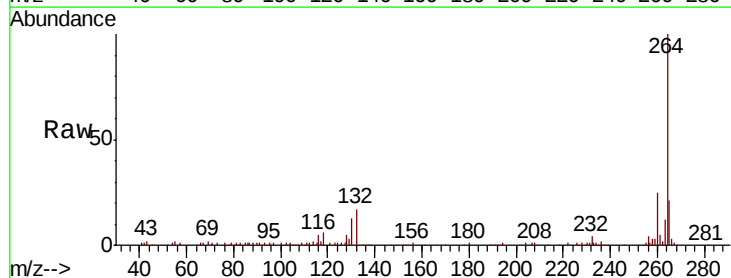
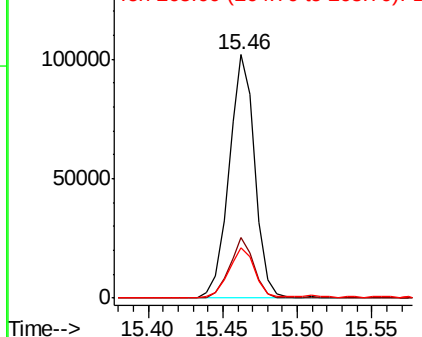
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

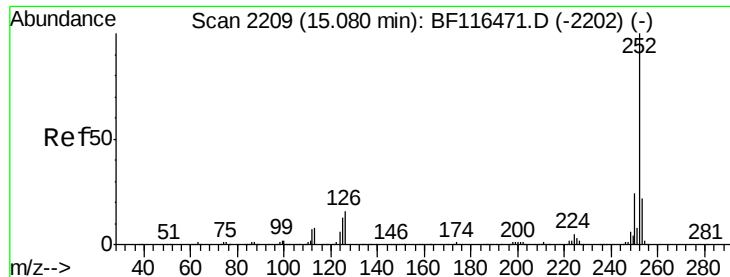


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF116631.D
 Acq: 28 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.0	30.0
265	20.8	17.6	26.4

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





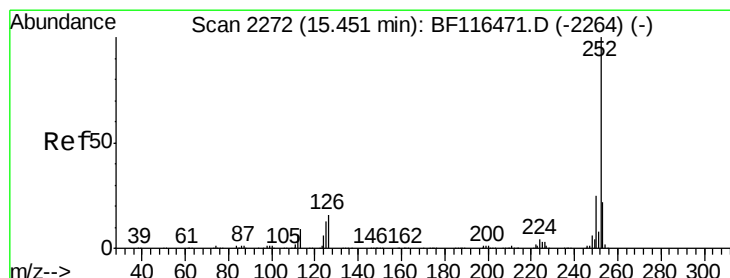
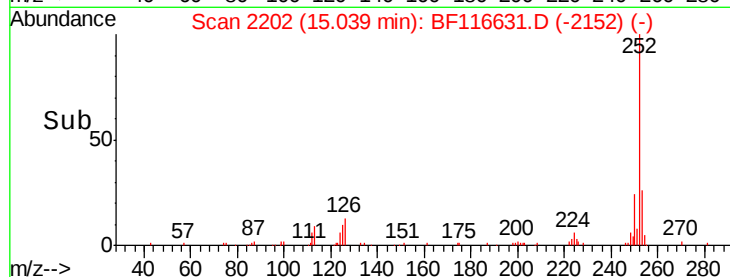
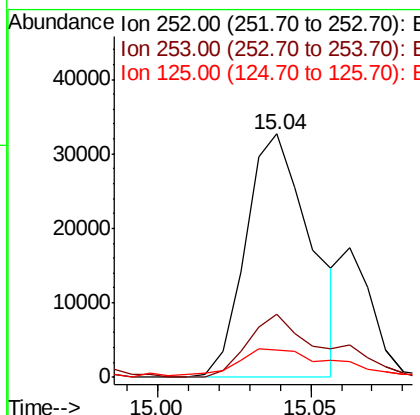
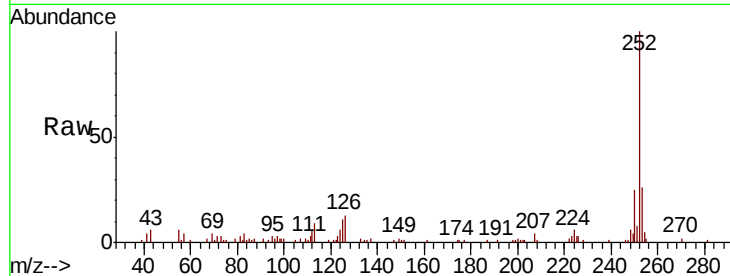
#88
Benzo(b)fluoranthene
Concen: 6.415 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Instrument :
BNA_F
ClientSampleId :
S702A-N-0.0-0.5-082719

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.3	25.9
125	11.2	9.0	13.6

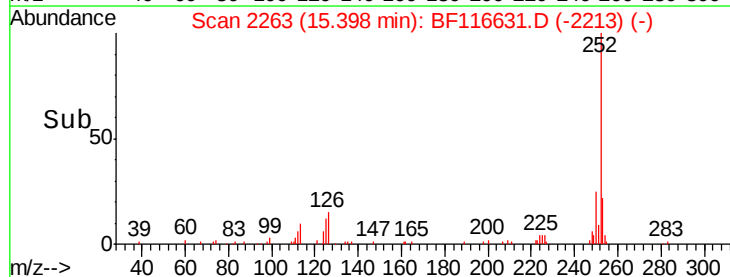
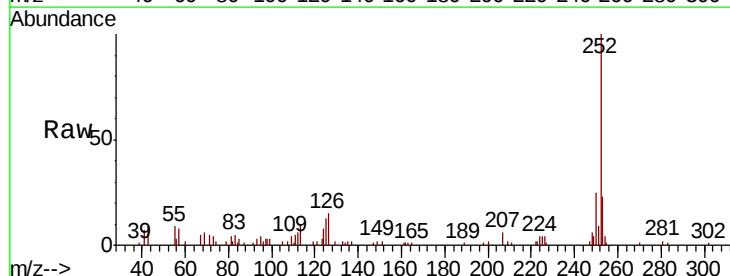
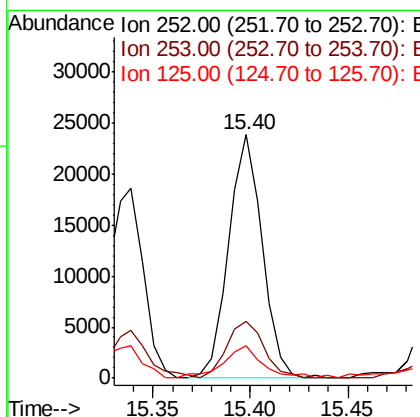
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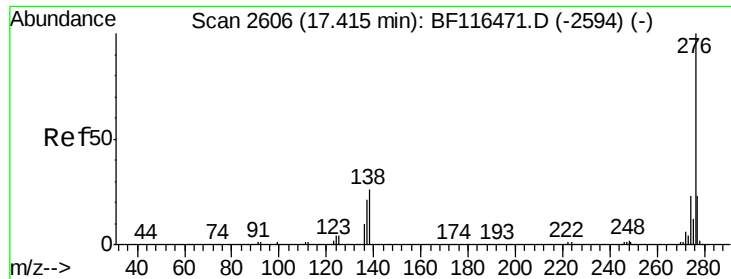
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#90
Benzo(a)pyrene
Concen: 4.225 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF116631.D
Acq: 28 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	13.3	10.6	16.0





#92
 Benzo(a,h,i)perylene
 Concen: 2.524 ng
 RT: 17.34 min Scan# 2593
 Delta R.T. -0.02 min
 Lab File: BF116631.D
 Acq: 28 Aug 2019 22:46

Instrument :
 BNA_F
 ClientSampleId :
 S702A-N-0.0-0.5-082719

Tot Ion	Ion	Ratio	Resp	Lower	Upper
16494	276	100			
	277	23.0		19.0	28.4
	138	17.4		18.2	27.2

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