

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116624.D
 Acq On : 28 Aug 2019 19:34
 Operator : HP/JU
 Sample : K4568-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-37-COMP

Manual Integrations
 APPROVED

Jagrut
 8/29/2019 7:47:00 PM

Quant Time: Aug 29 03:06:52 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	92571	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	430158	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	226250	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	374638	20.00	ng	0.00
76) Chrysene-d12	14.00	240	268462	20.00	ng	0.00
87) Perylene-d12	15.46	264	236003	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	758458	141.52	ng	0.00
7) Phenol-d6	6.49	99	953934	131.29	ng	0.00
23) Nitrobenzene-d5	7.42	82	595624	79.23	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	290903	135.11	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1227510	90.29	ng	0.00
79) Terphenyl-d14	12.96	244	1215269	73.62	ng	0.00
Target Compounds						
10) Phenol	6.50	94	25041	3.142	ng	84
50) Dimethylphthalate	9.60	163	182293	11.985	ng	100
71) Phenanthrene	11.40	178	83004	4.125	ng	99
75) Fluoranthene	12.58	202	109643	6.075	ng	98
78) Pyrene	12.81	202	113056	4.580	ng	99
81) Benzo(a)anthracene	13.99	228	50779	2.837	ng	97
83) Chrysene	14.03	228	46610	2.660	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	21604	5.341	ng	96
88) Benzo(b)fluoranthene	15.03	252	49398m	3.408	ng	
90) Benzo(a)pyrene	15.39	252	33804	2.613	ng	97

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

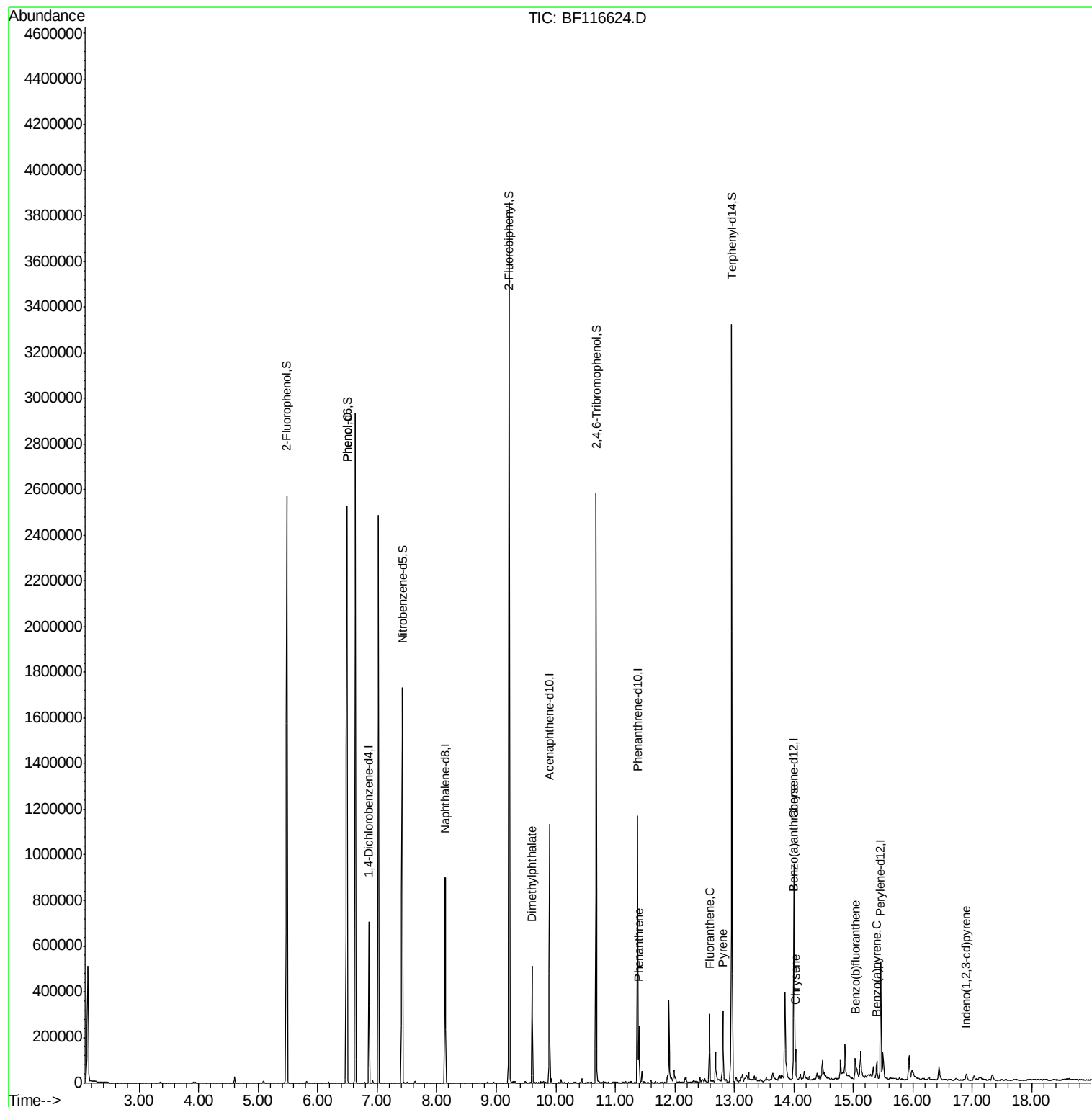
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
Data File : BF116624.D
Acq On : 28 Aug 2019 19:34
Operator : HP/JU
Sample : K4568-14
Misc :
ALS Vial : 6 Sample Multiplier: 1

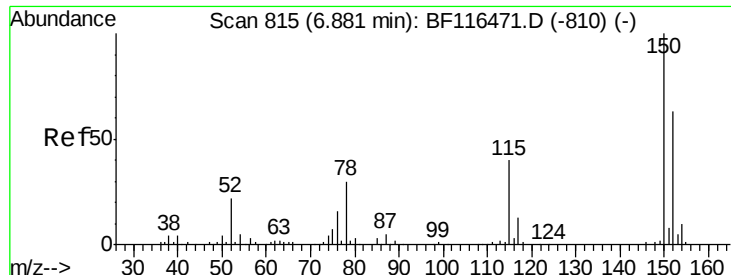
Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 28 13:34:15 2019
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#1

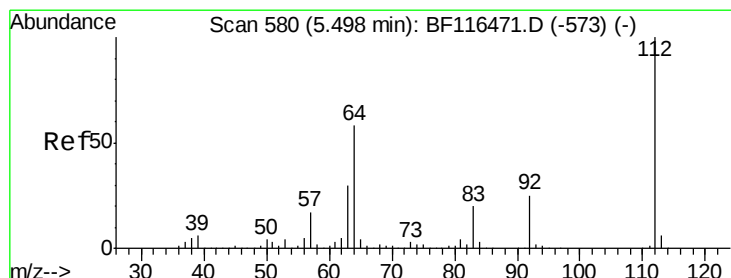
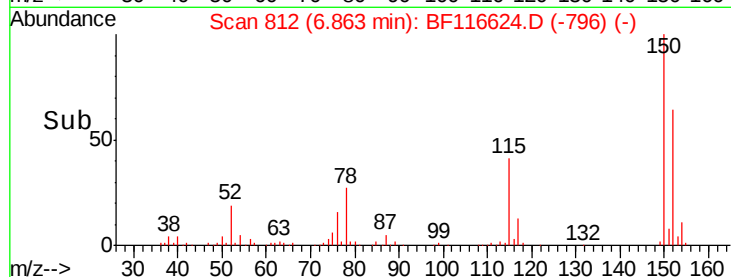
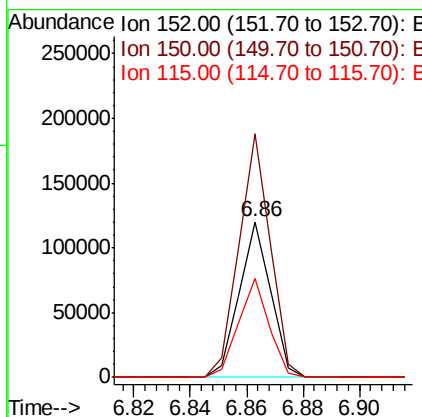
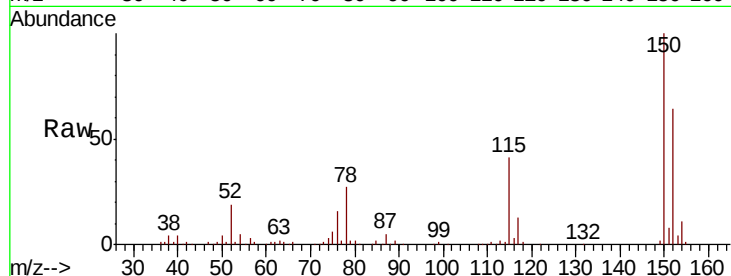
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.4	185.2
115	63.6	48.2	72.2

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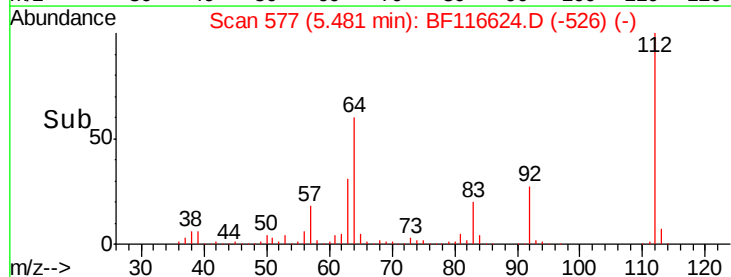
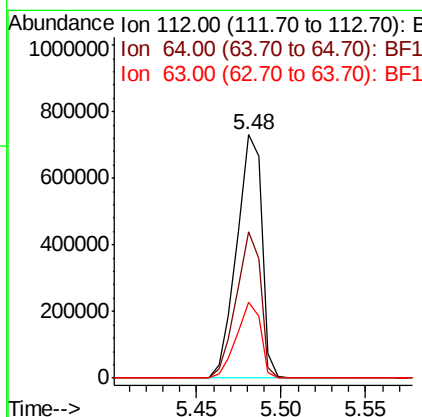
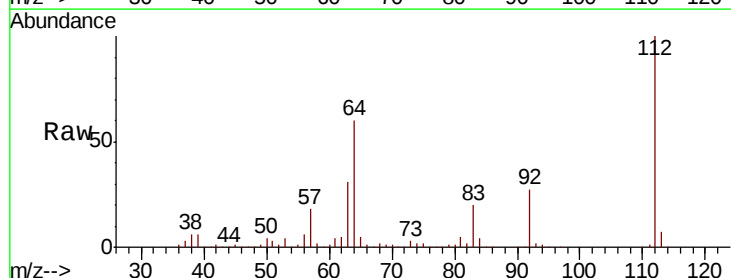
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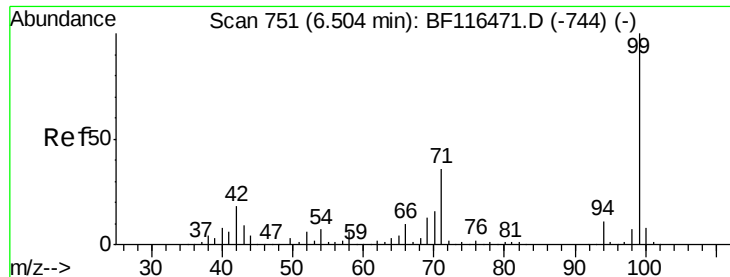


#5

2-Fluorophenol
Concen: 141.516 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	48.0	72.0
63	31.3	24.6	36.8





#7

Phenol-d6

Concen: 131.285 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF116624.D

Acq: 28 Aug 2019 19:34

Instrument :

BNA_F

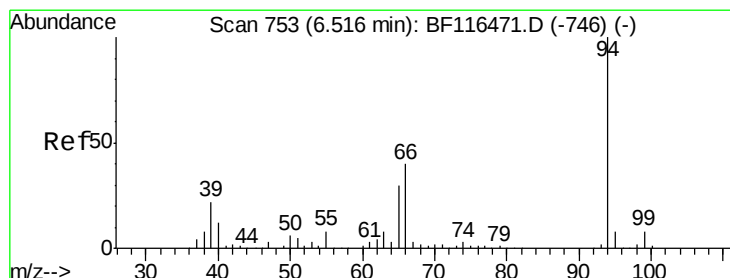
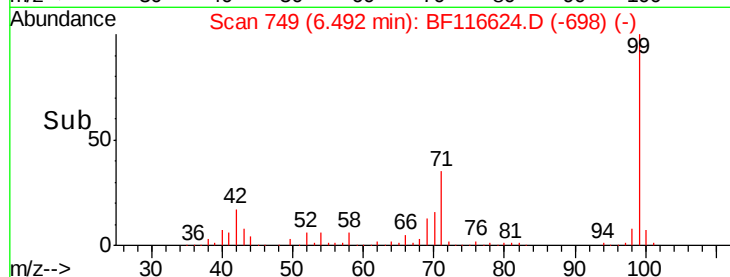
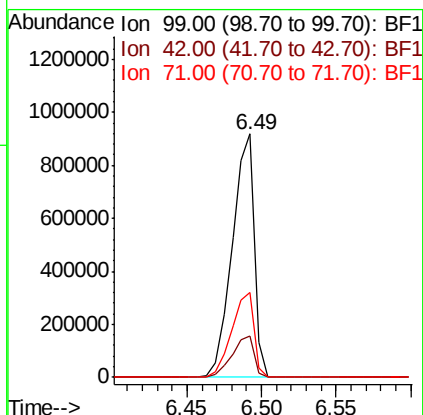
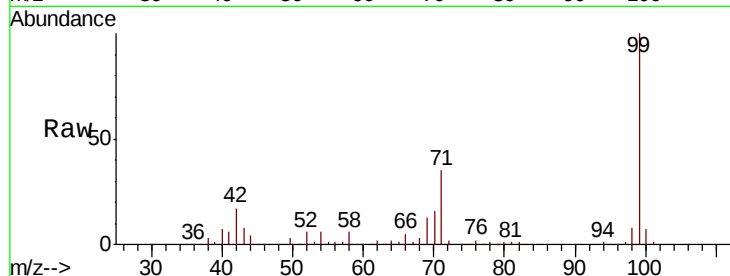
ClientSampleId :

SB-37-COMP

Tot Ion:	99	Resp:	953934
Ion Ratio	Lower	Upper	
99	100		
42	16.8	13.2	19.8
71	35.1	27.4	41.2

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#10

Phenol

Concen: 3.142 ng

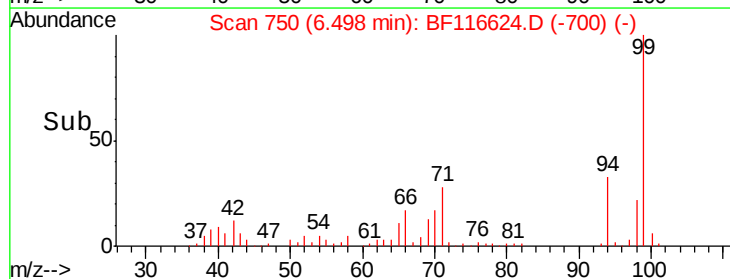
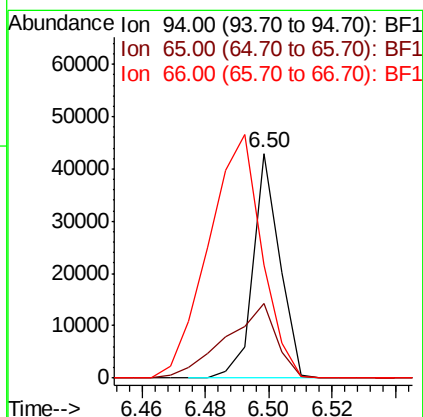
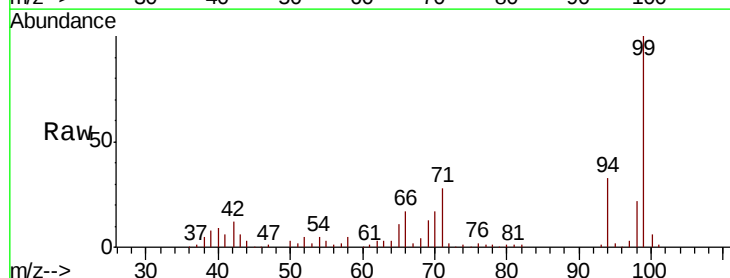
RT: 6.50 min Scan# 750

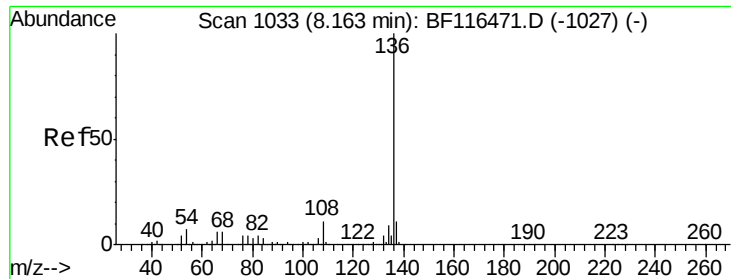
Delta R.T. -0.01 min

Lab File: BF116624.D

Acq: 28 Aug 2019 19:34

Tgt Ion:	94	Resp:	25041
Ion Ratio	Lower	Upper	
94	100		
65	33.5	8.6	48.6
66	50.5	18.0	58.0





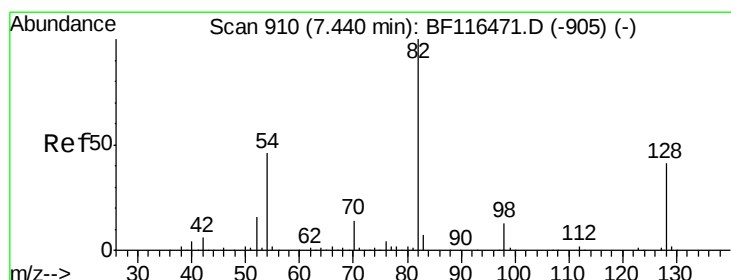
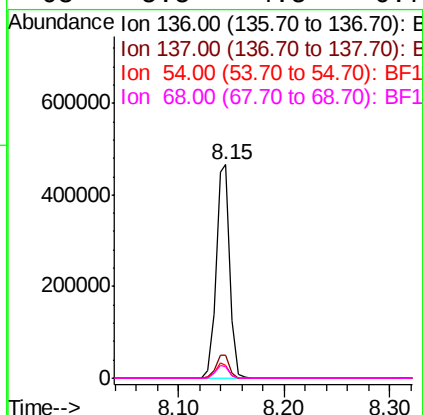
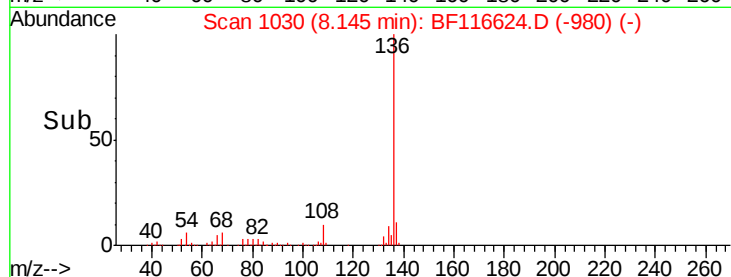
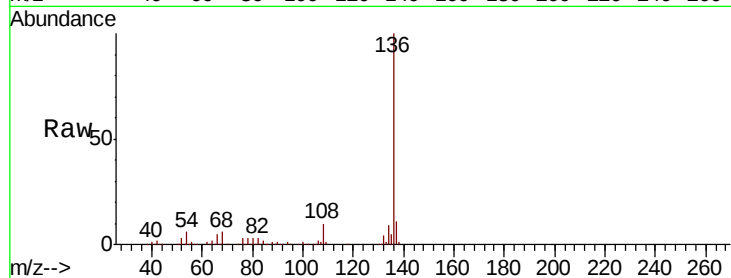
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.7	13.1	
54	5.8	5.0	7.4	
68	5.5	4.5	6.7	

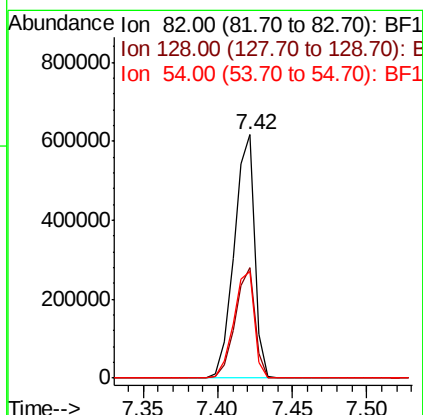
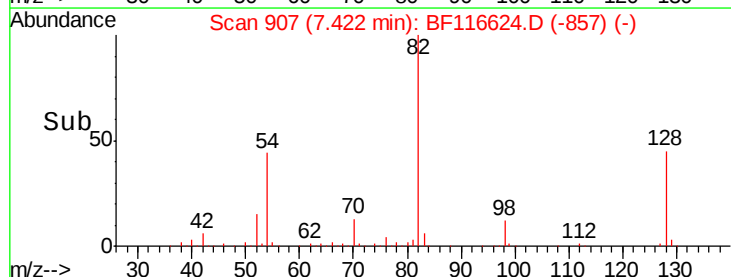
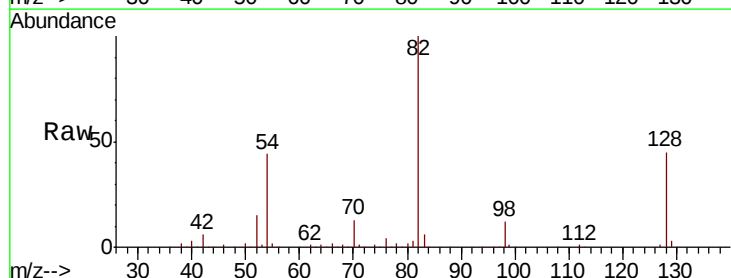
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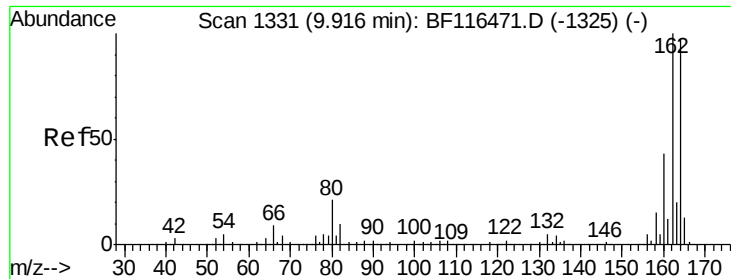
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#23
Nitrobenzene-d5
Concen: 79.230 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	35.0	52.6	
54	43.7	34.4	51.6	





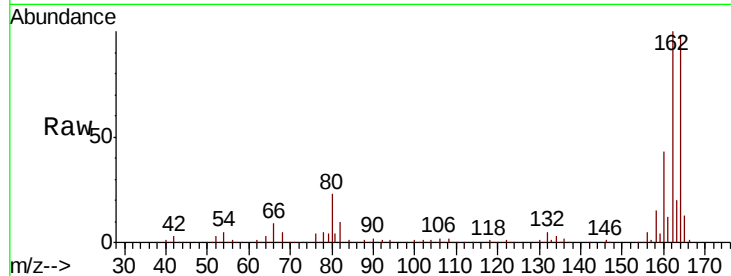
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	83.4	125.0	
160	44.1	37.0	55.4	

Manual Integrations
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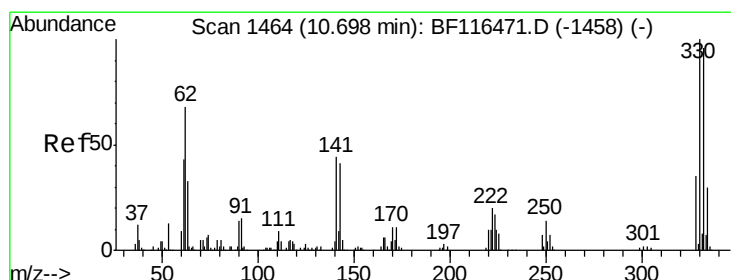
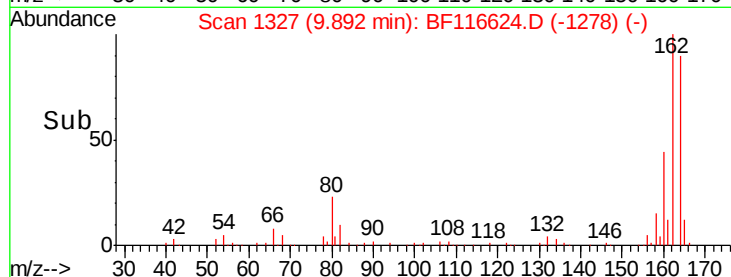
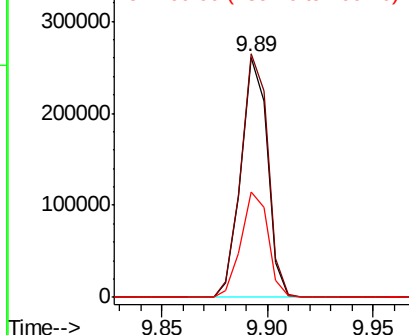


Abundance

Ion 164.00 (163.70 to 164.70): E

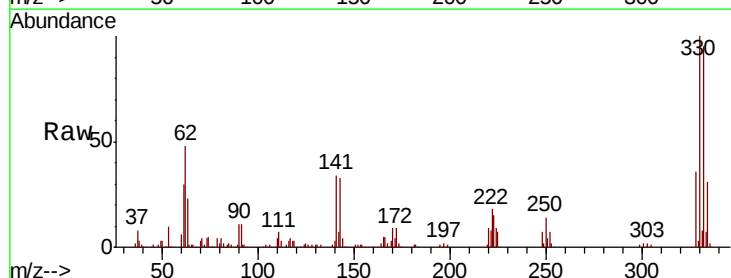
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 135.114 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	77.5	116.3	
141	35.3	28.2	42.2	

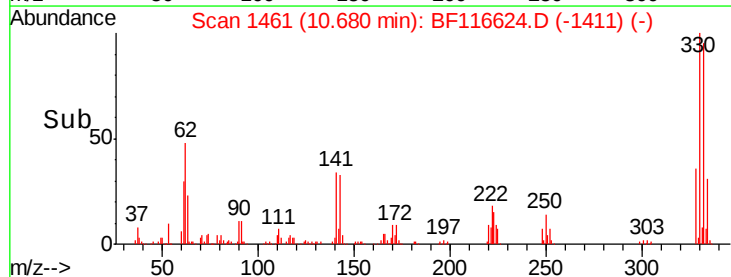
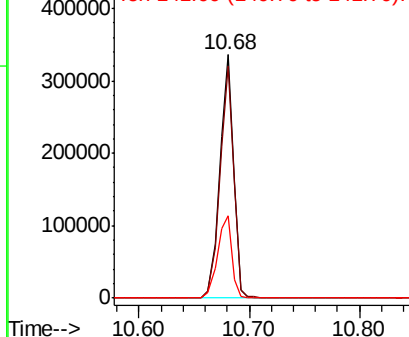


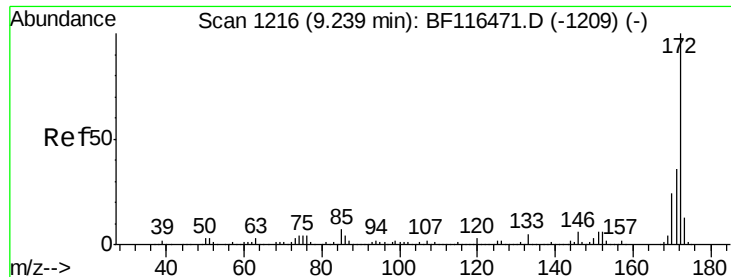
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





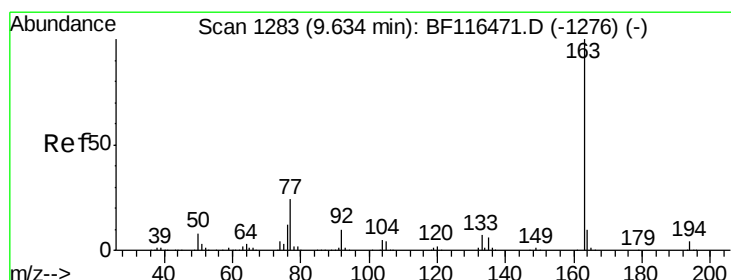
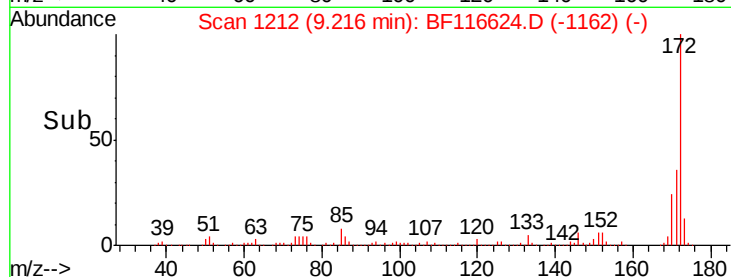
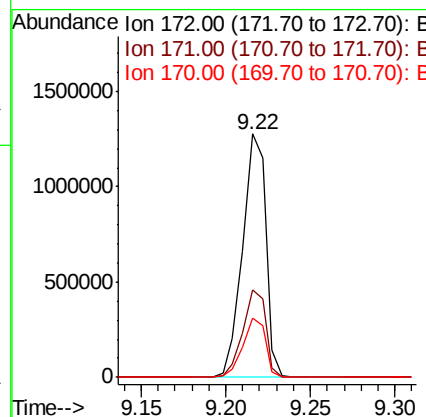
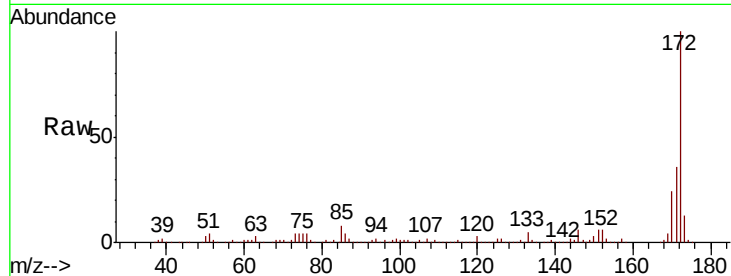
#45
2-Fluorobiphenyl
Concen: 90.290 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	24.2	19.3	28.9

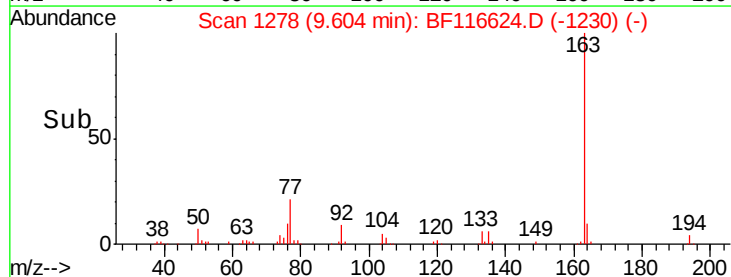
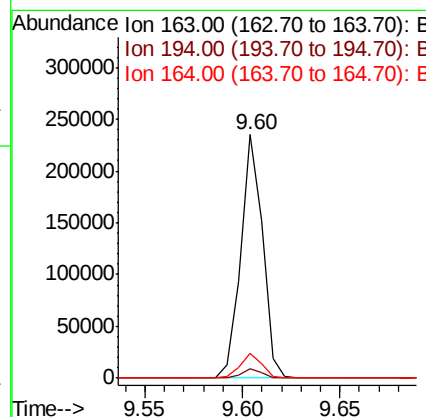
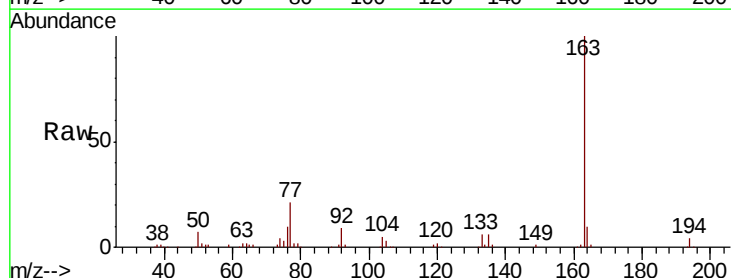
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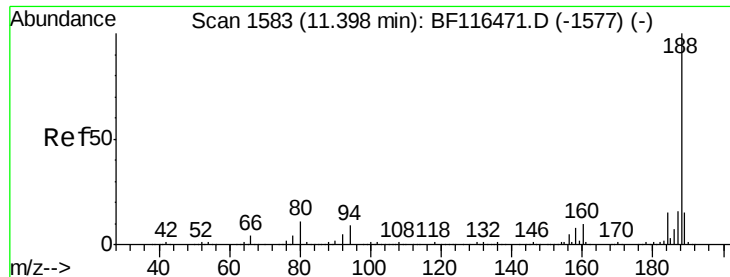
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#50
Dimethylphthalate
Concen: 11.985 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.1	8.2	12.2





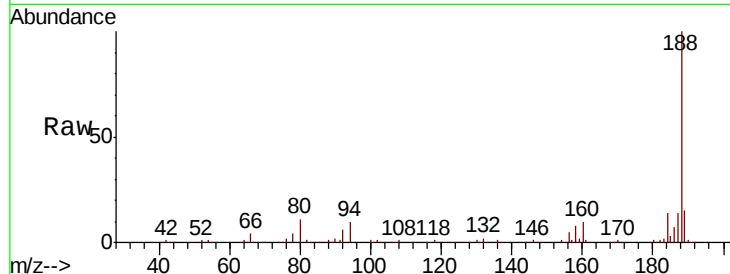
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	374638		
94	9.8		8.2	12.4
80	11.1		8.9	13.3

Manual Integrations
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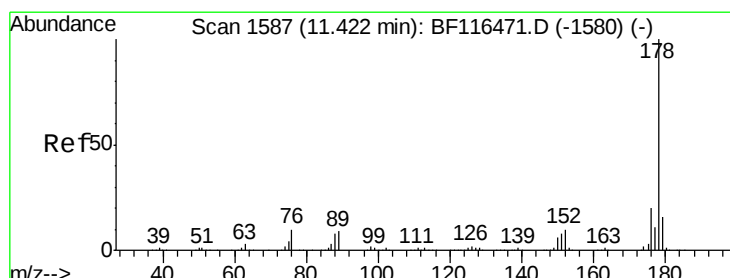
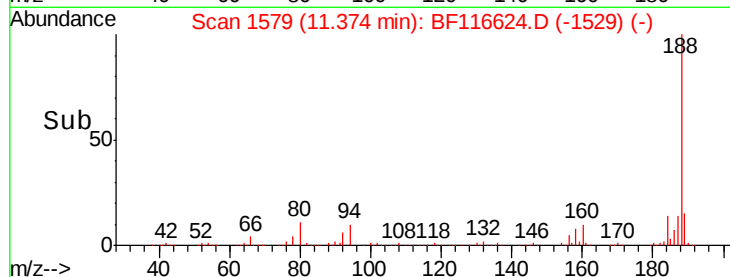
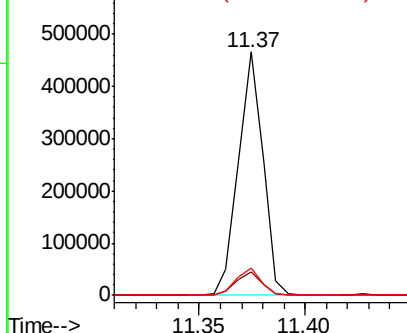


Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71
Phenanthrene
Concen: 4.125 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

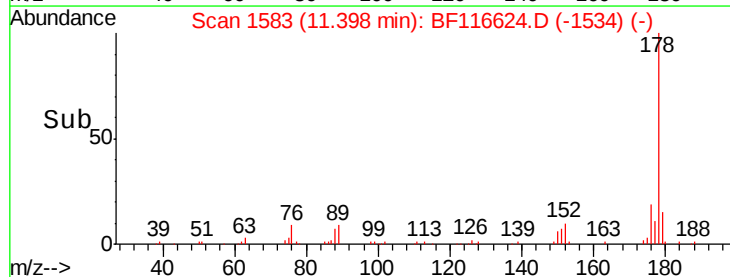
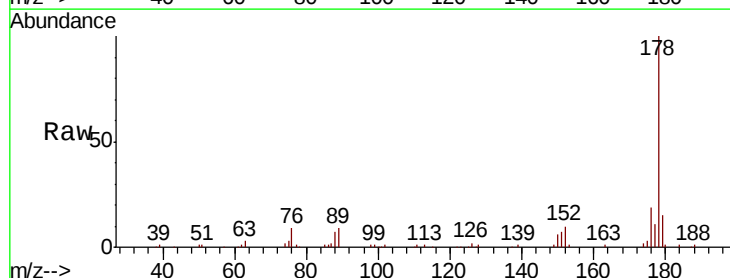
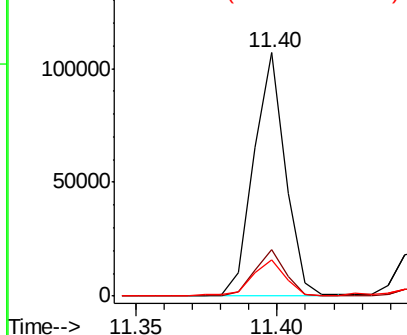
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	83004		
176	18.9		15.5	23.3
179	14.9		12.4	18.6

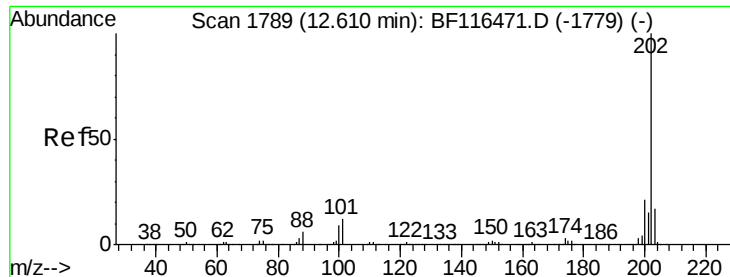
Abundance

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





#75

Fluoranthene

Concen: 6.075 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF116624.D

Acq: 28 Aug 2019 19:34

Instrument :

BNA_F

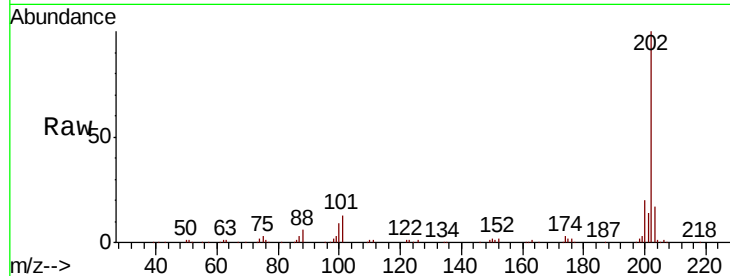
ClientSampleId :

SB-37-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	13.1	0.0	31.8		
203	16.9	0.0	37.1		

Manual Integrations
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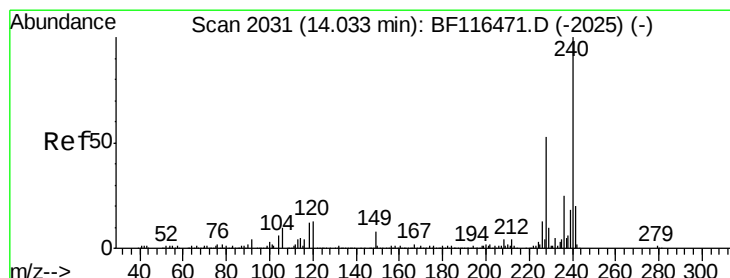
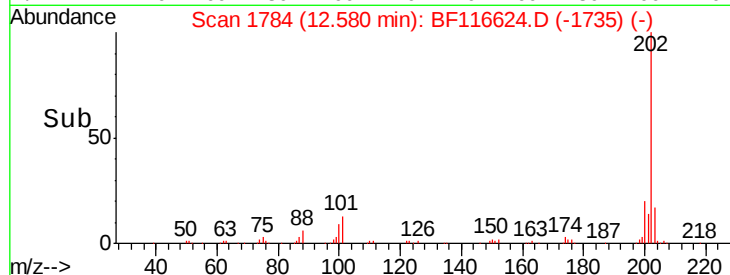
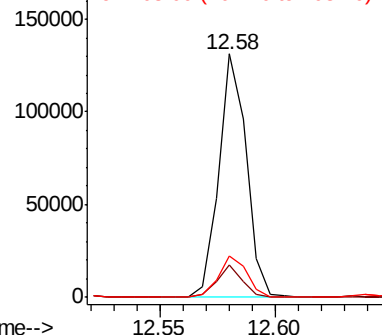


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116624.D

Acq: 28 Aug 2019 19:34

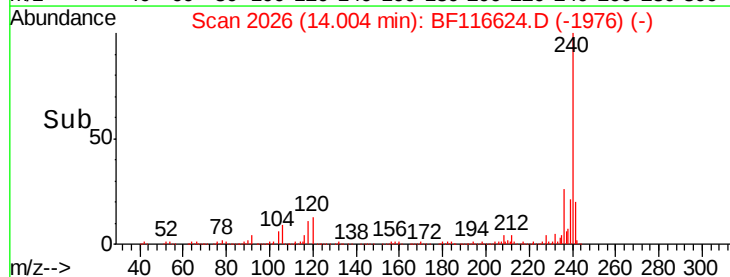
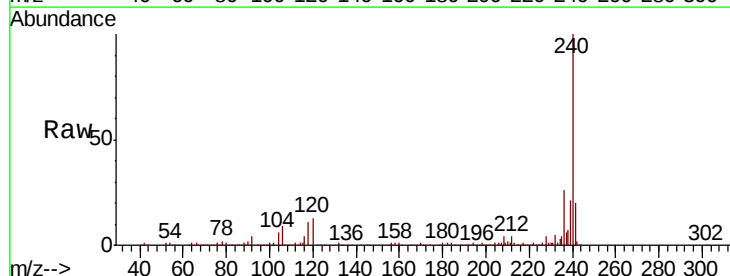
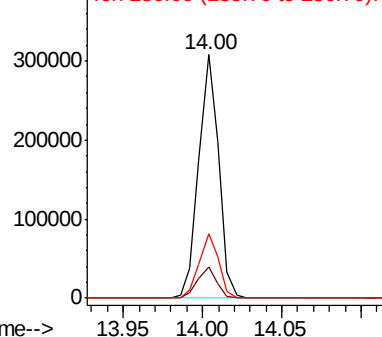
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.7	11.3	16.9		
236	26.4	21.4	32.2		

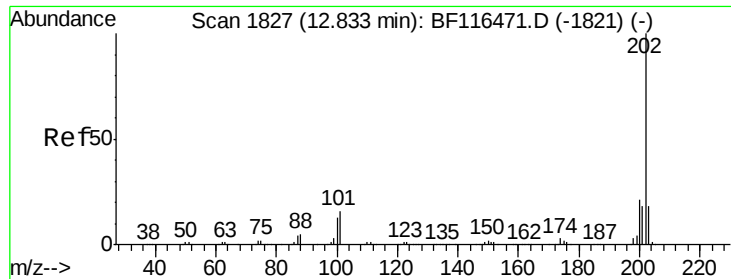
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





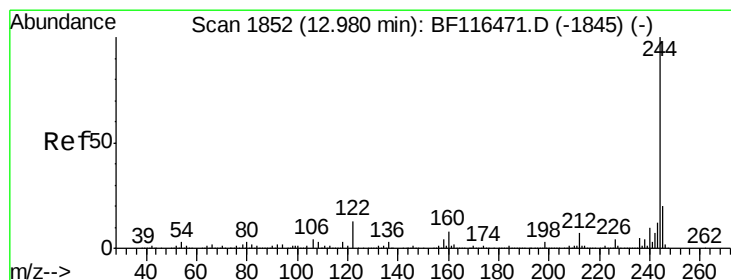
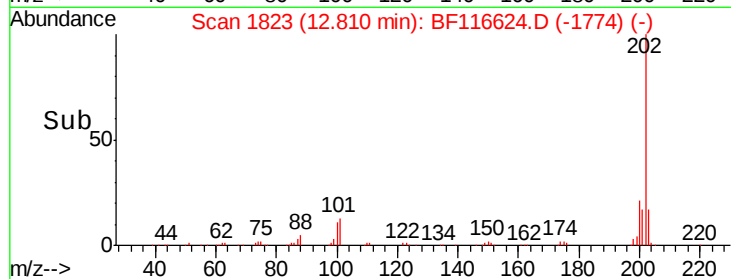
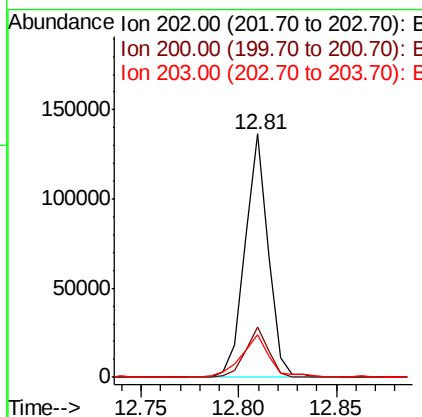
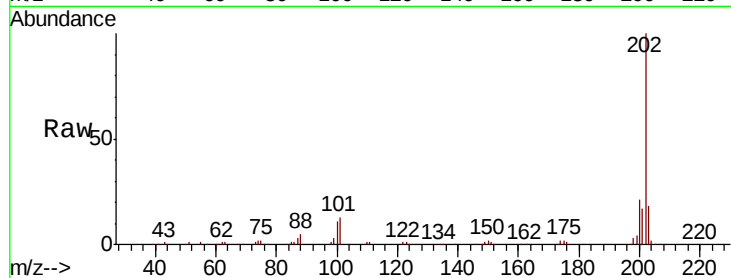
#78
Pvrene
Concen: 4.580 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.4	26.0
203	17.8	14.2	21.4

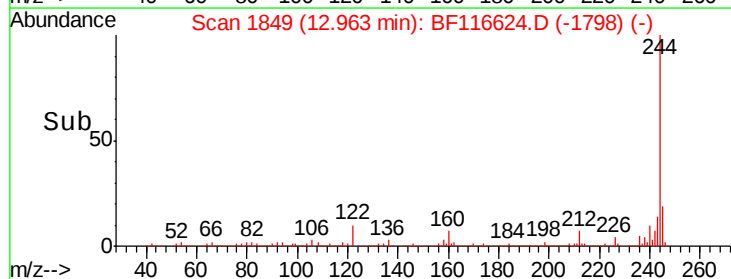
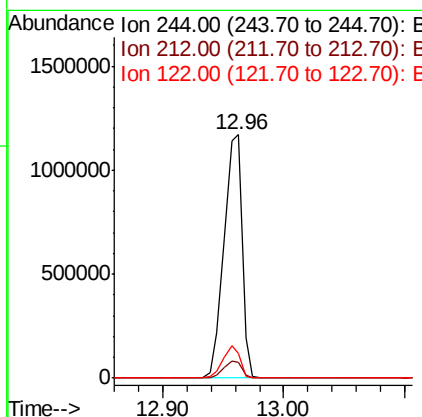
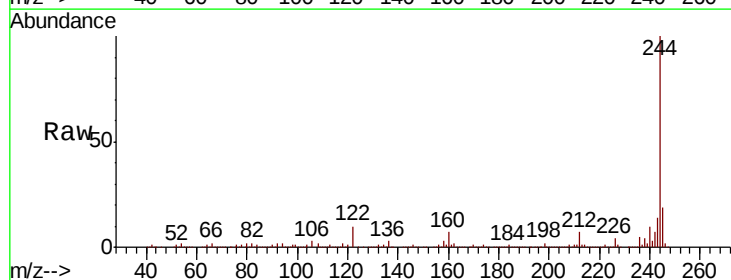
Manual Integrations
APPROVED

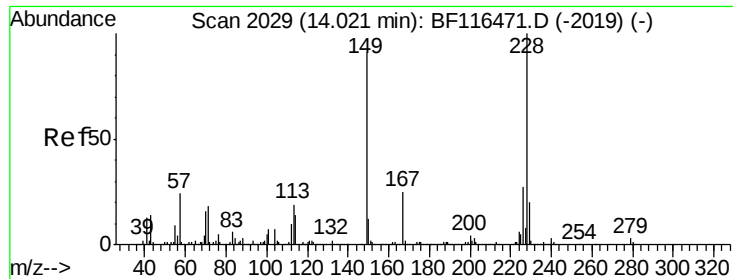
Jagrut
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#79
Terphenyl-d14
Concen: 73.621 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.9	8.9
122	10.2	10.0	15.0





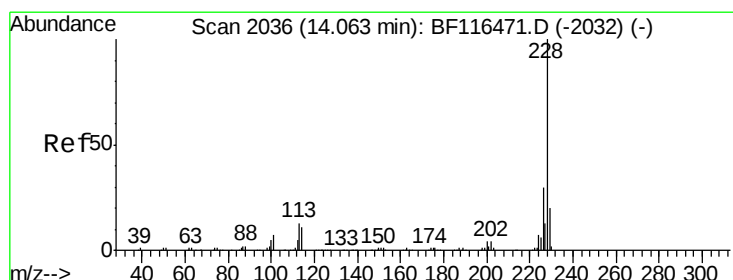
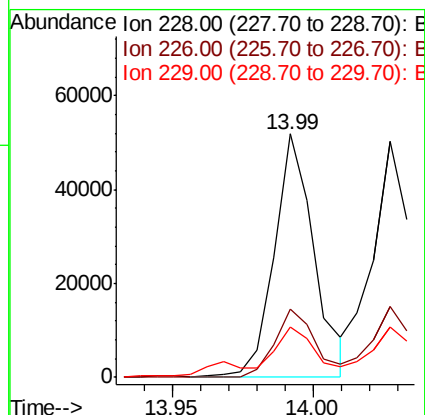
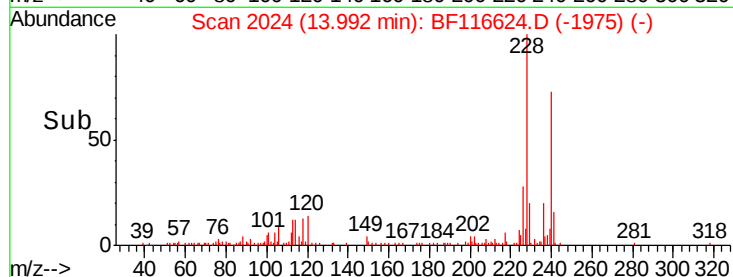
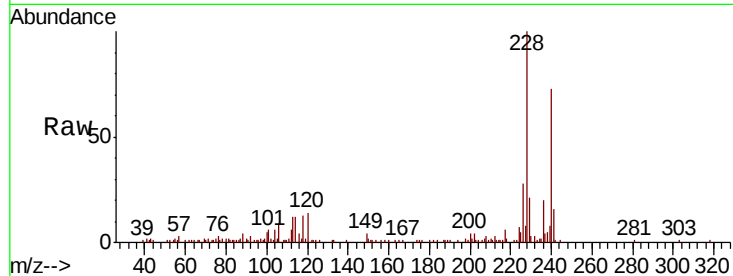
#81
Benzo(a)anthracene
Concen: 2.837 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

Tot Ion:	228	Resp:	50779
Ion Ratio	Lower	Upper	
228	100		
226	28.1	21.5	32.3
229	20.7	15.4	23.0

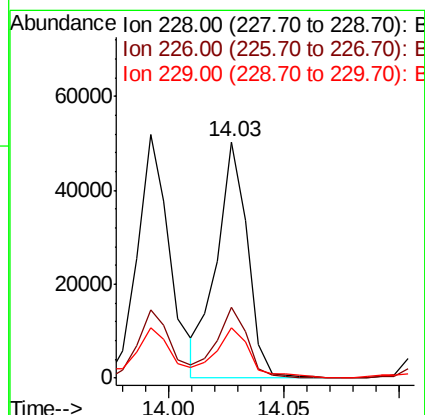
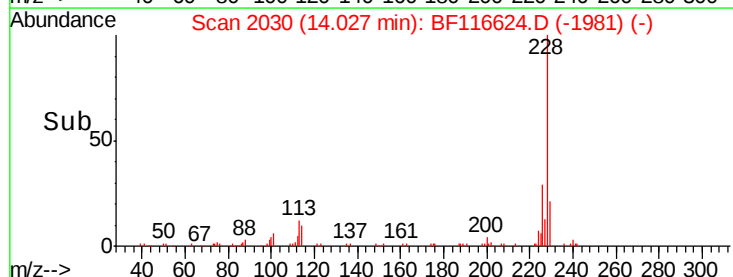
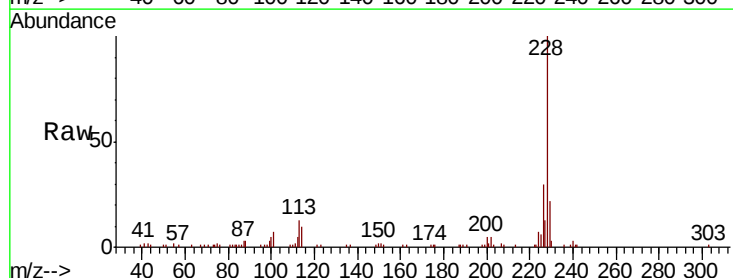
Manual Integrations
APPROVED

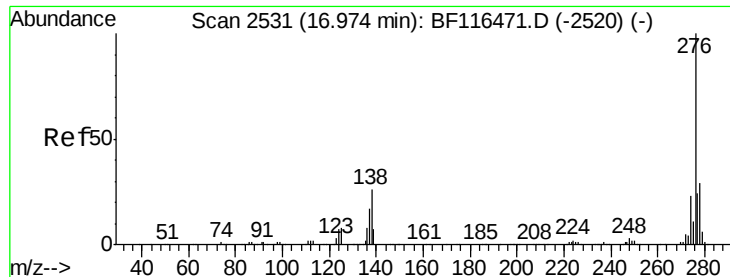
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#83
Chrysene
Concen: 2.660 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion:	228	Resp:	46610
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.0	36.0
229	21.6	15.8	23.8





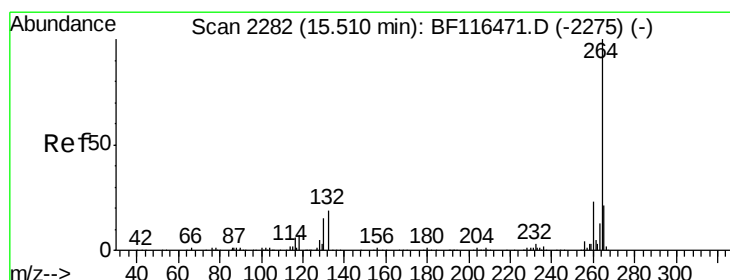
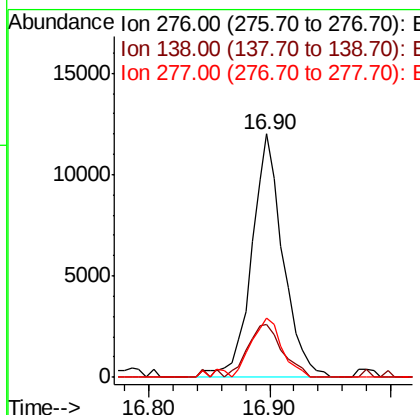
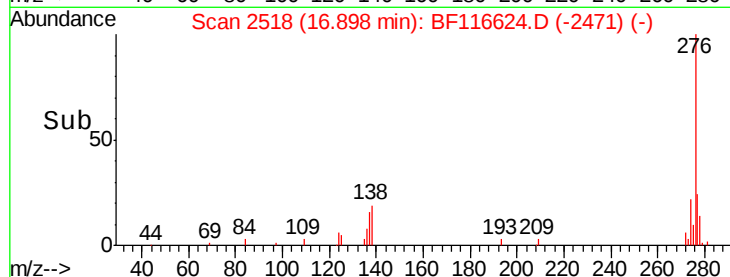
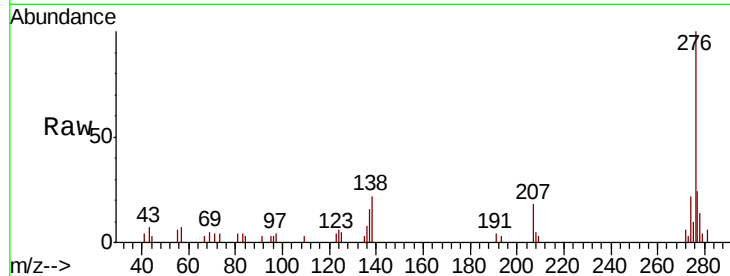
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.341 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.2	21.5	32.3
277	23.9	20.0	30.0

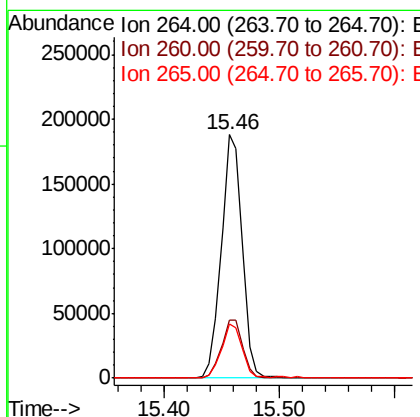
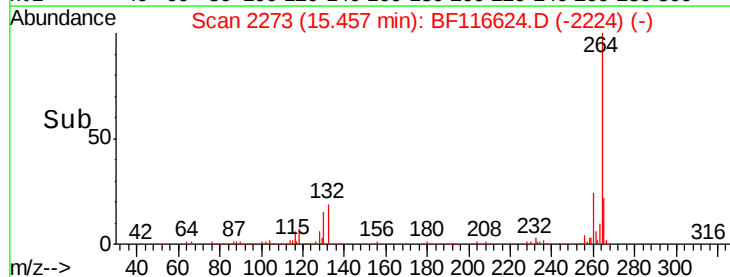
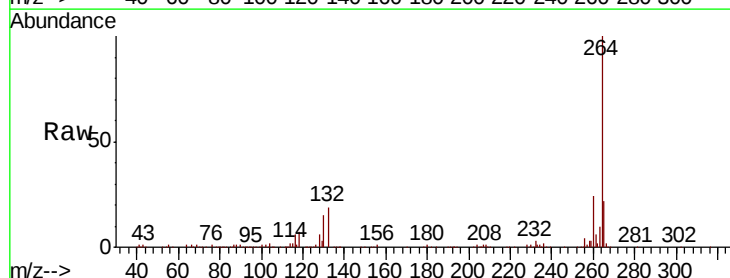
Manual Integrations
APPROVED

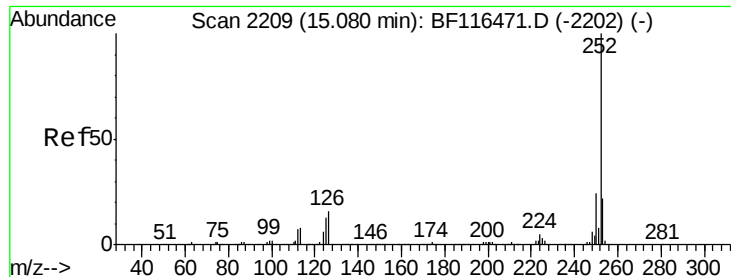
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.0	30.0
265	22.2	17.6	26.4





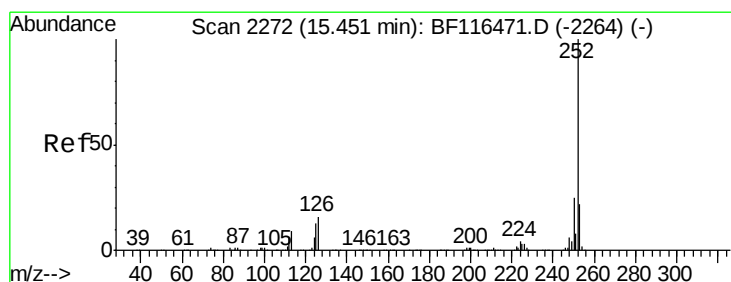
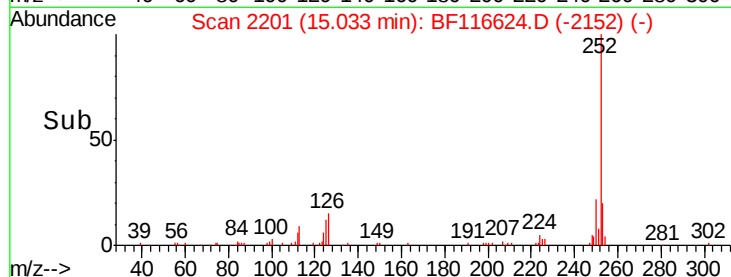
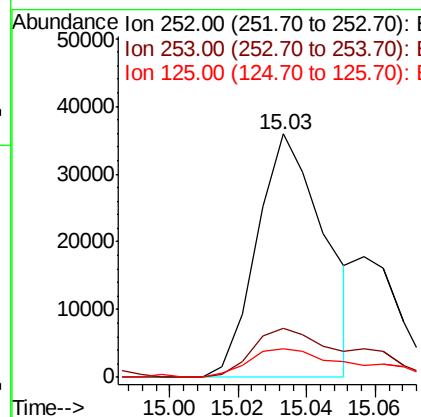
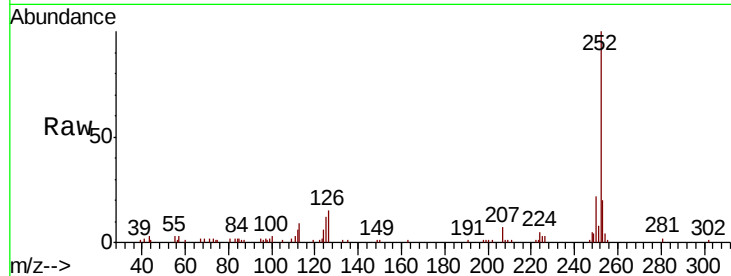
#88
Benzo(b)fluoranthene
Concen: 3.408 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Instrument :
BNA_F
ClientSampleId :
SB-37-COMP

Tot Ion:252	Resp:	49398
Ion Ratio	Lower	Upper
252	100	
253	20.3	17.3 25.9
125	11.9	9.0 13.6

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 2.613 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF116624.D
Acq: 28 Aug 2019 19:34

Tgt Ion:252	Resp:	33804
Ion Ratio	Lower	Upper
252	100	
253	24.1	17.4 26.0
125	13.7	10.6 16.0

