

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118416.D
 Acq On : 31 Dec 2019 20:19
 Operator : JU
 Sample : K6463-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-6-(1-3)

Manual Integrations
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mohammad
 1/2/2020 11:50:13 AM

Quant Time: Jan 01 03:04:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	62806	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	262760	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	133530	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	239135	20.00	ng	0.00
76) Chrysene-d12	14.05	240	190508	20.00	ng	0.00
87) Perylene-d12	15.55	264	174294	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	168578	45.82	ng	0.00
7) Phenol-d6	6.49	99	218677	47.91	ng	0.00
23) Nitrobenzene-d5	7.42	82	157702	34.33	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	69473	42.13	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	315293	36.04	ng	0.00
79) Terphenyl-d14	12.99	244	313245	27.28	ng	0.00
Target Compounds						
71) Phenanthrene	11.42	178	45701	3.506	ng	96
75) Fluoranthene	12.62	202	113486	8.626	ng	99
78) Pyrene	12.84	202	111990	7.199	ng	98
81) Benzo(a)anthracene	14.04	228	74150	5.561	ng	98
83) Chrysene	14.08	228	70541	5.525	ng	99
86) Indeno(1,2,3-cd)pyrene	17.07	276	32268	2.966	ng	# 92
88) Benzo(b)fluoranthene	15.11	252	80956m	6.997	ng	
89) Benzo(k)fluoranthene	15.14	252	30585m	2.753	ng	
90) Benzo(a)pyrene	15.49	252	65712	6.447	ng	95
92) Benzo(g,h,i)perylene	17.53	276	33277	3.895	ng	92

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

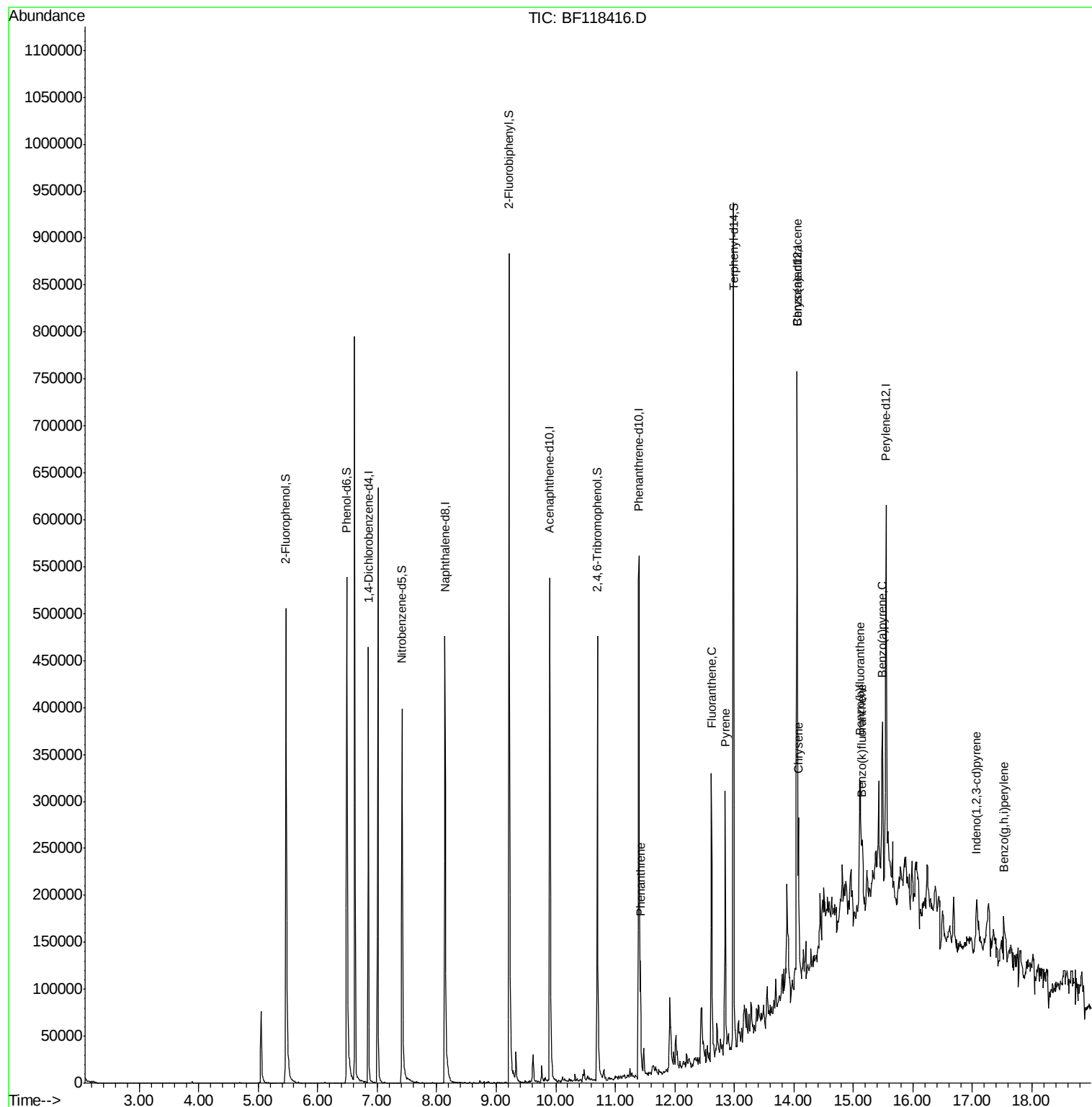
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118416.D
Acq On : 31 Dec 2019 20:19
Operator : JU
Sample : K6463-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

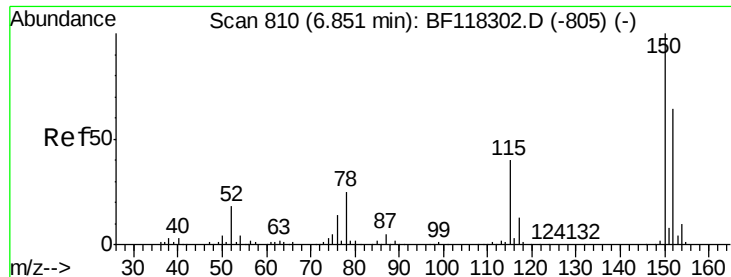
Instrument :
BNA_F
ClientSampleId :
GP-6-(1-3)

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#1

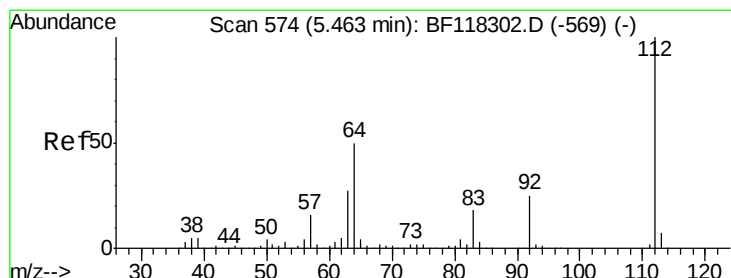
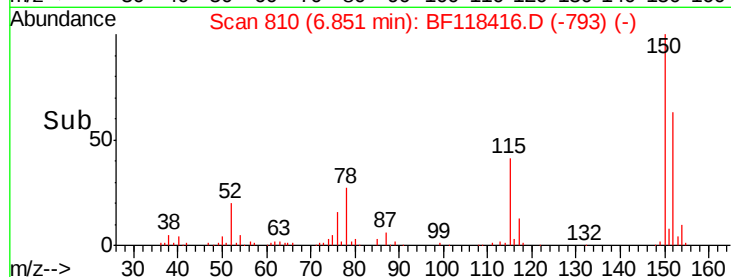
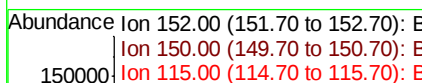
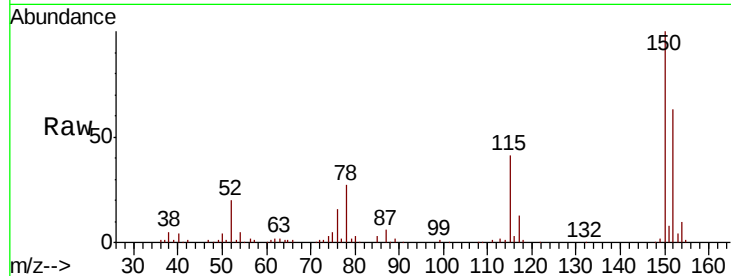
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Instrument :
BNA_F
ClientSampleId :
GP-6-(1-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.4	188.2
115	64.7	50.2	75.4

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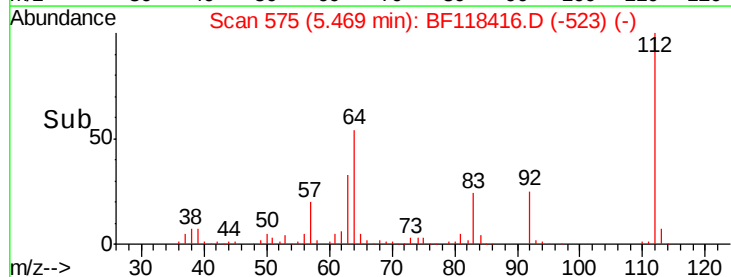
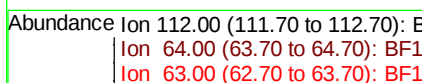
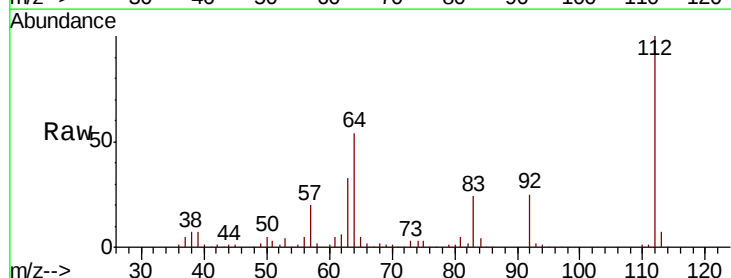
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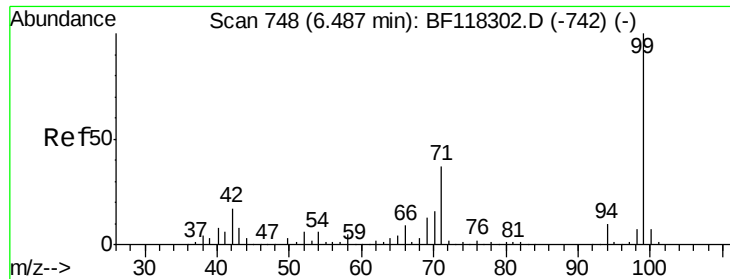


#5

2-Fluorophenol
Concen: 45.817 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	39.7	59.5
63	33.2	21.7	32.5#





#7

Phenol-d6

Concen: 47.910 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Instrument :

BNA_F

ClientSampleId :

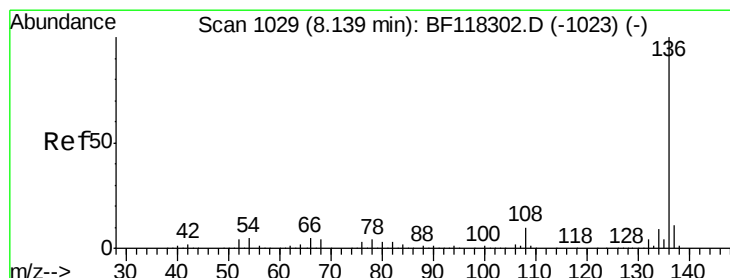
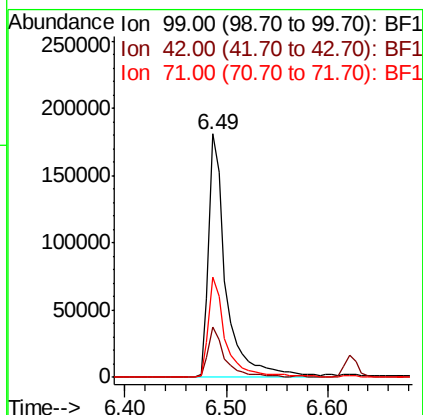
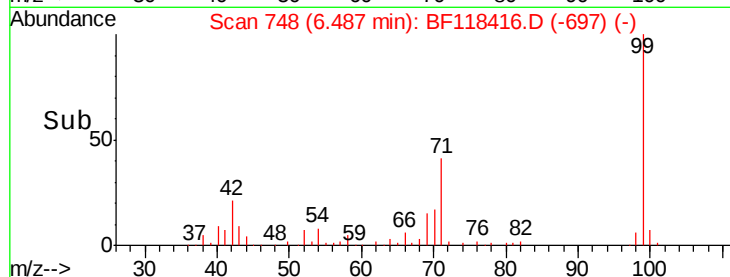
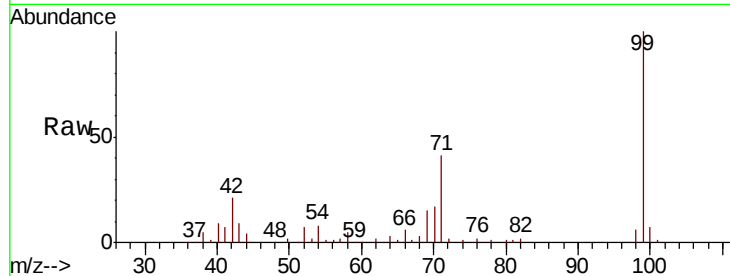
GP-6-(1-3)

Tot Ion: 99 Resp: 218677

Ion	Ratio	Lower	Upper
99	100		
42	20.9	13.5	20.3#
71	41.3	29.4	44.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

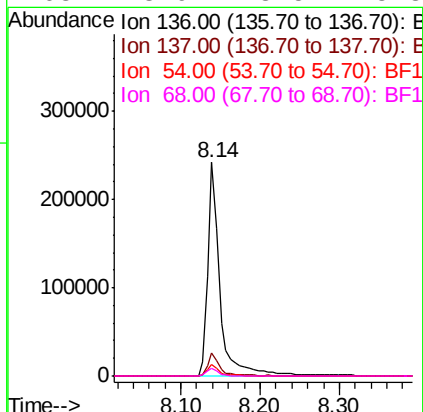
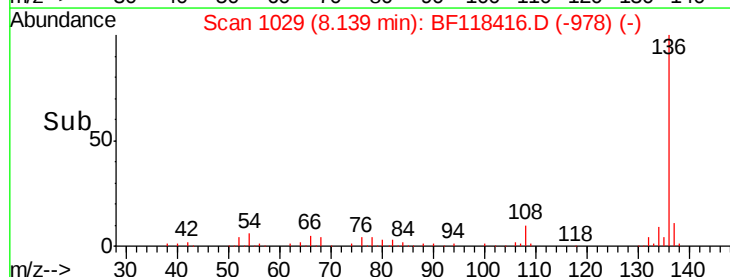
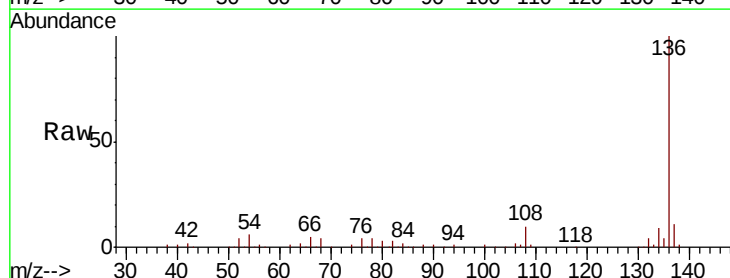
Delta R.T. -0.00 min

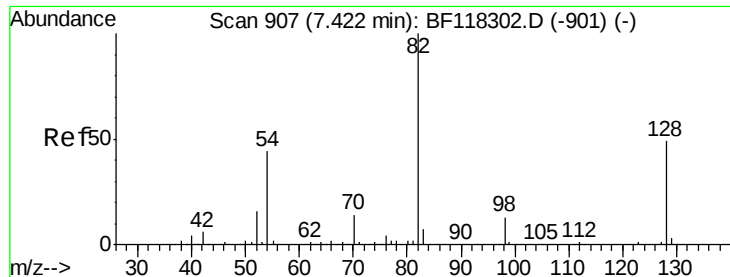
Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Tgt Ion: 136 Resp: 262760

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	5.5	4.2	6.4
68	3.9	3.5	5.3





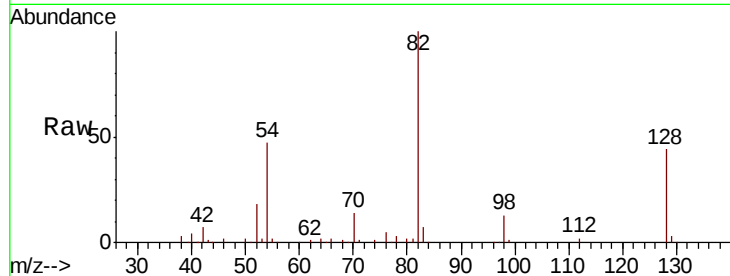
#23
Nitrobenzene-d5
Concen: 34.327 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Instrument :
BNA_F
ClientSampleId :
GP-6-(1-3)

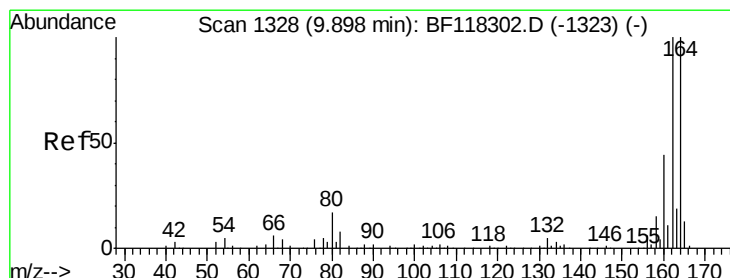
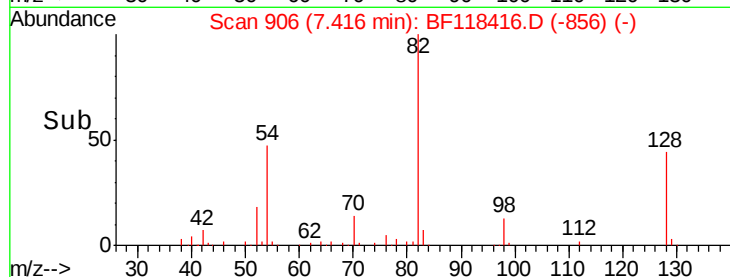
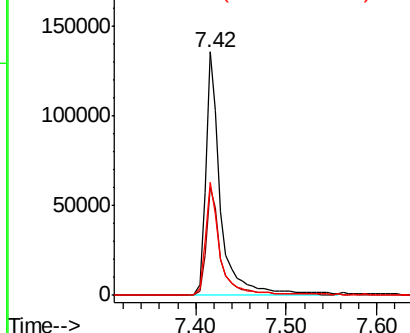
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	39.6	59.4
54	46.6	34.9	52.3

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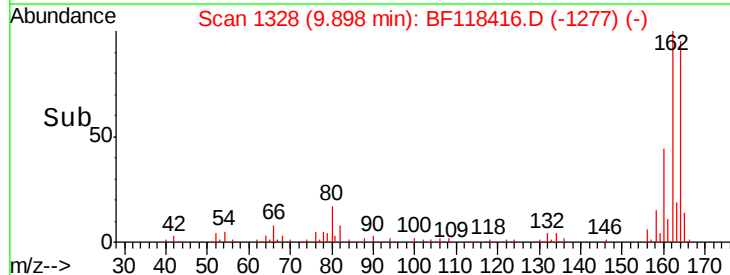
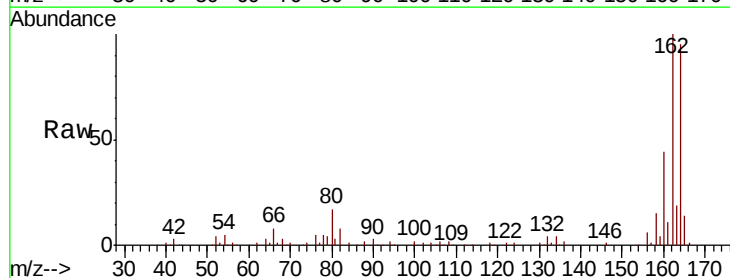
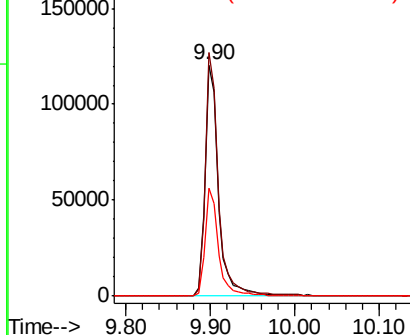
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

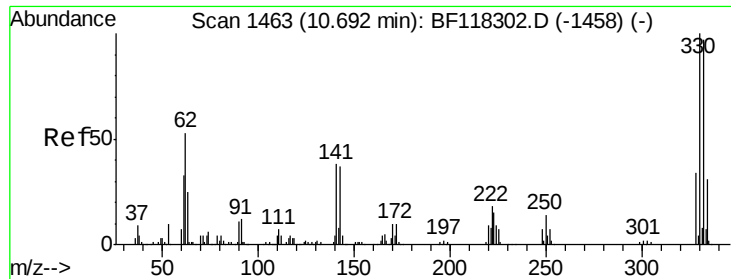


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	80.0	120.0
160	46.6	34.8	52.2

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





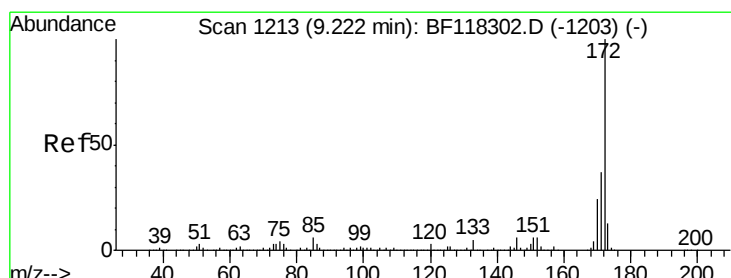
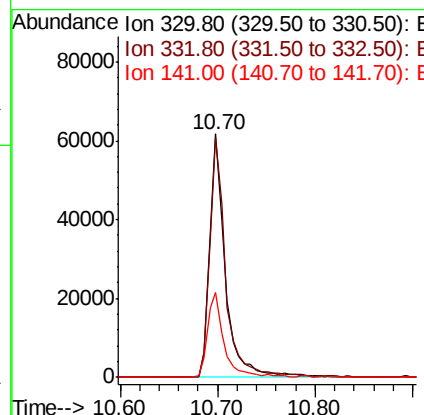
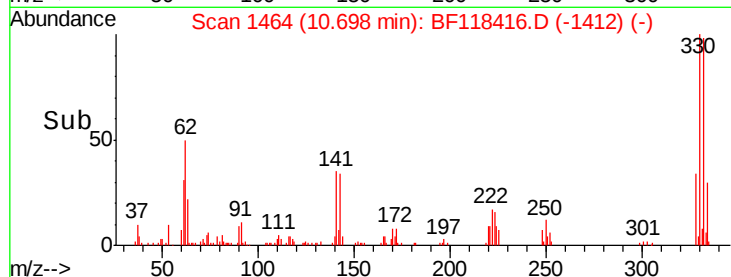
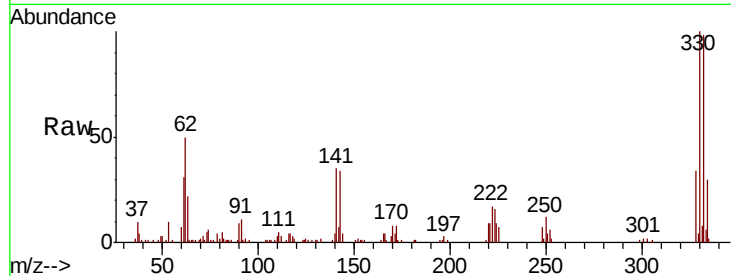
#42
 2,4,6-Tribromophenol
 Concen: 42.130 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118416.D
 Acq: 31 Dec 2019 20:19

Instrument :
 BNA_F
 ClientSampleId :
 GP-6-(1-3)

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.1	76.6	114.8
141	35.9	26.0	39.0

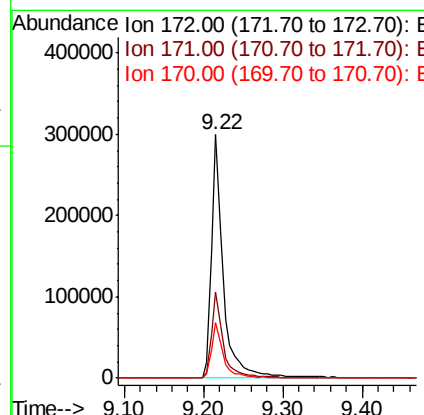
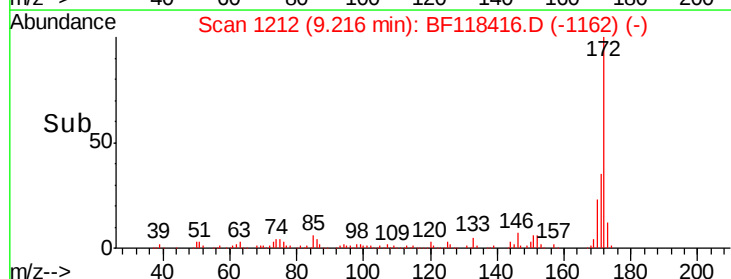
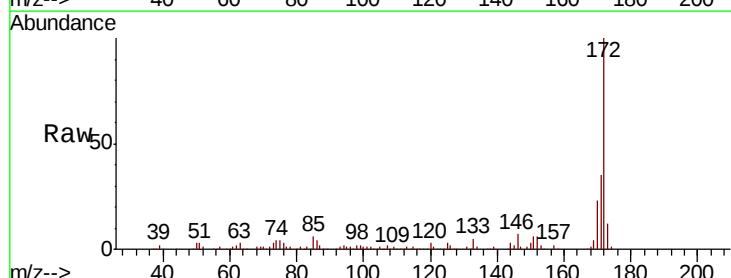
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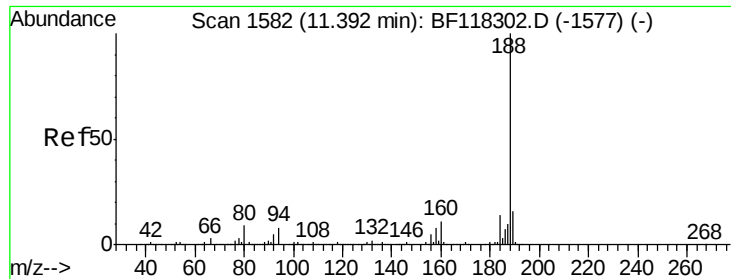
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#45
 2-Fluorobiphenyl
 Concen: 36.043 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118416.D
 Acq: 31 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.3	43.9
170	22.6	19.2	28.8





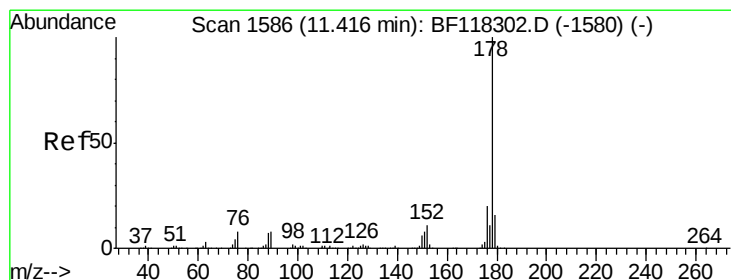
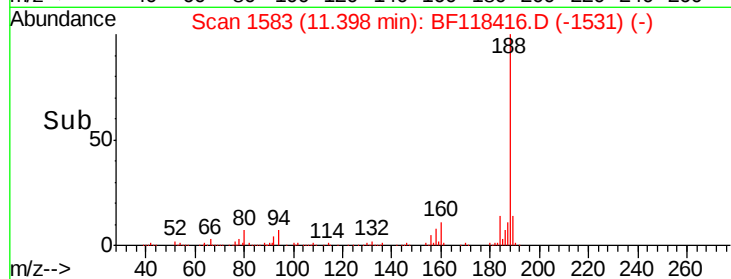
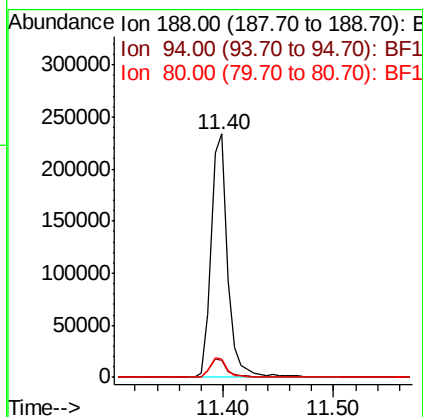
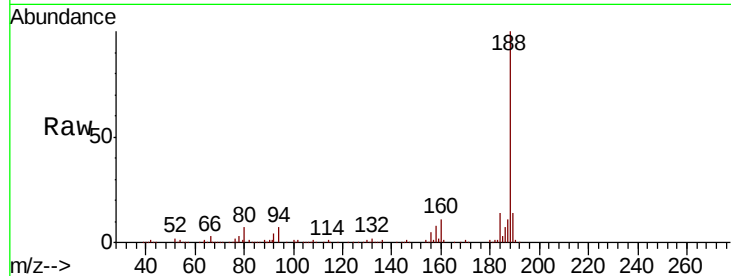
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Instrument :
BNA_F
ClientSampleId :
GP-6-(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	239135		
94	7.1		6.7	10.1
80	7.5		7.2	10.8

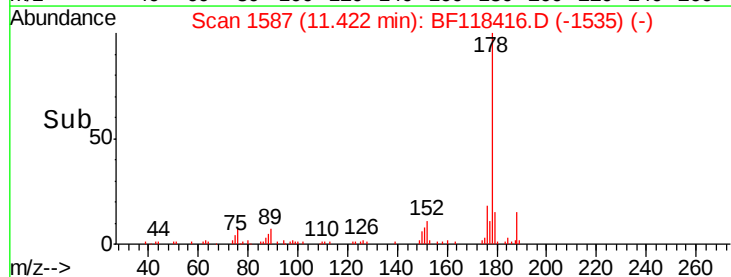
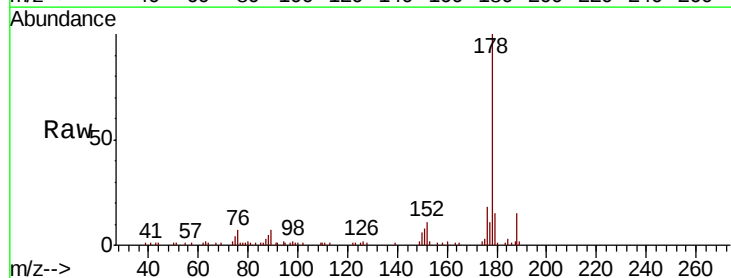
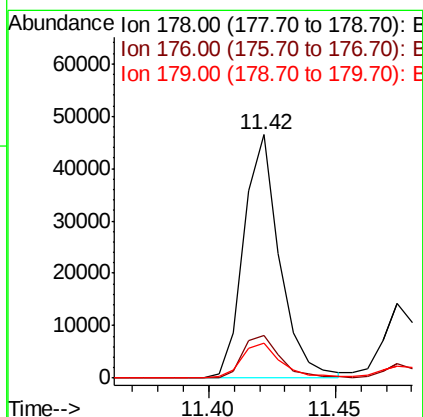
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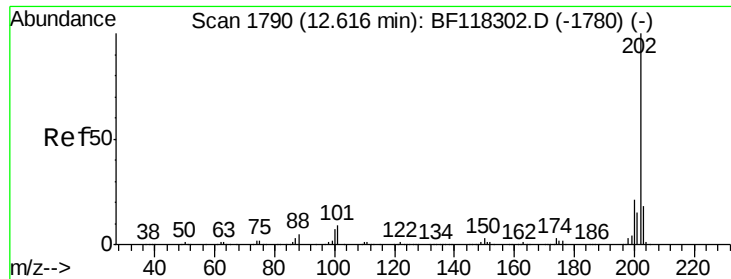
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#71
Phenanthrene
Concen: 3.506 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	45701		
176	17.6		15.6	23.4
179	14.6		12.6	19.0





#75

Fluoranthene

Concen: 8.626 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Instrument :

BNA_F

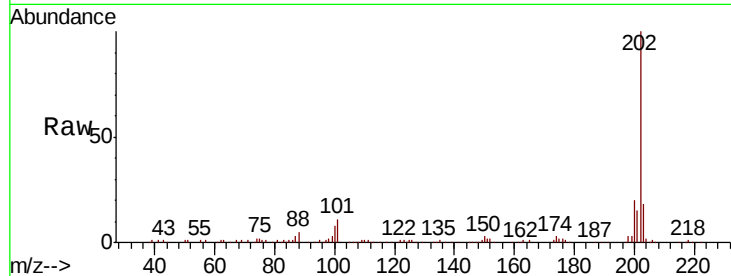
ClientSampleId :

GP-6-(1-3)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		113486		
101	10.5	0.0	29.5		
203	17.6	0.0	37.6		

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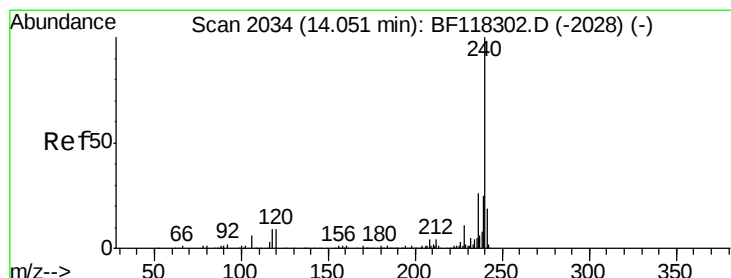
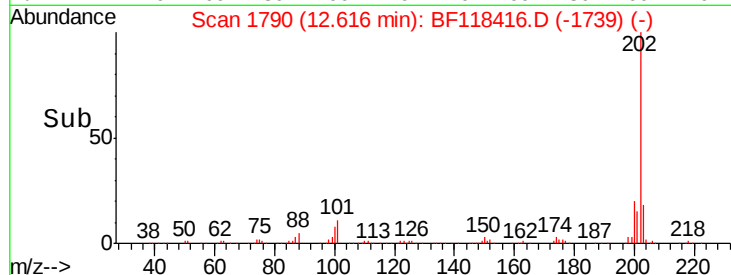
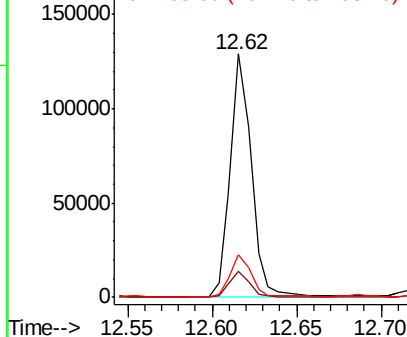


Abundance

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

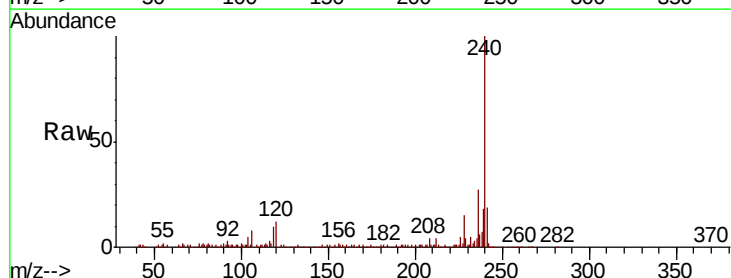
RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		190508		
120	11.7	7.1	10.7#		
236	26.9	21.0	31.6		

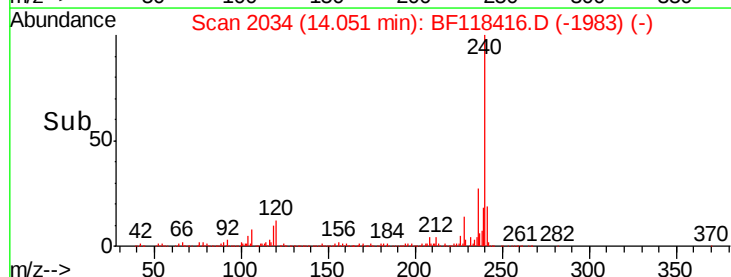
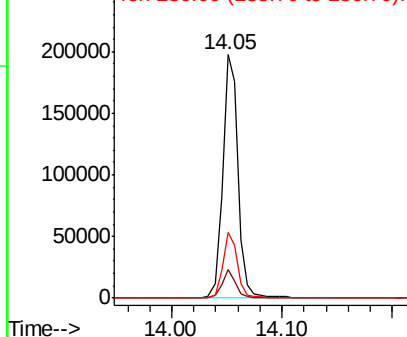


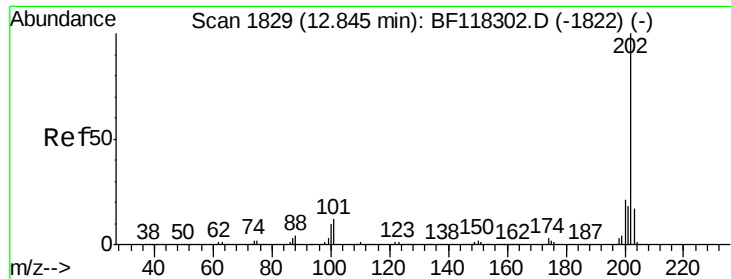
Abundance

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





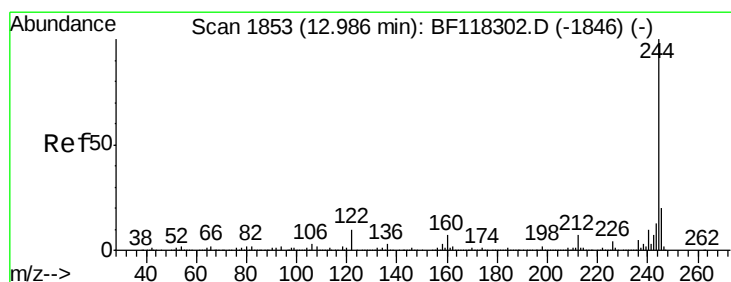
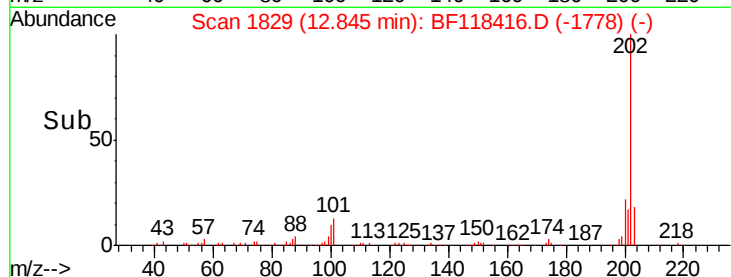
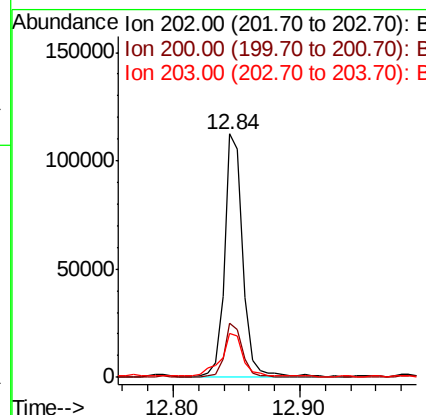
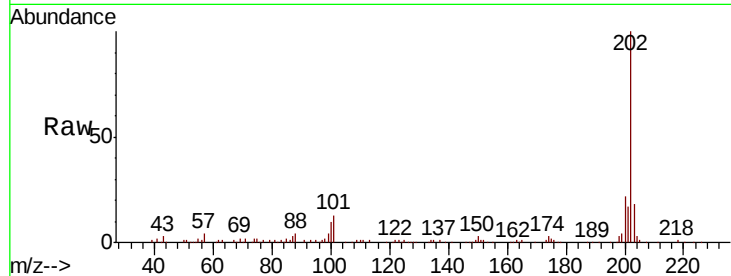
#78
Pvrene
Concen: 7.199 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Instrument :
BNA_F
ClientSampleId :
GP-6-(1-3)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.8	25.2
203	17.9	13.9	20.9

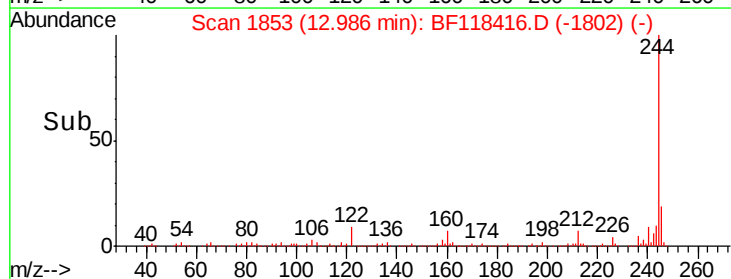
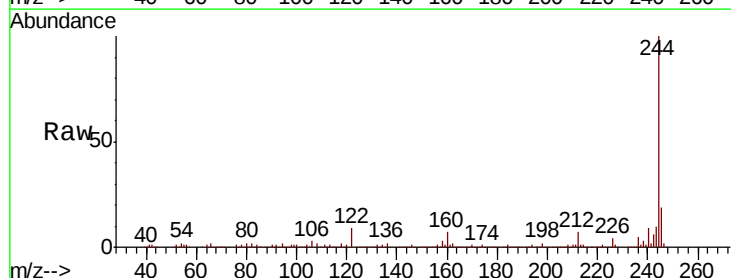
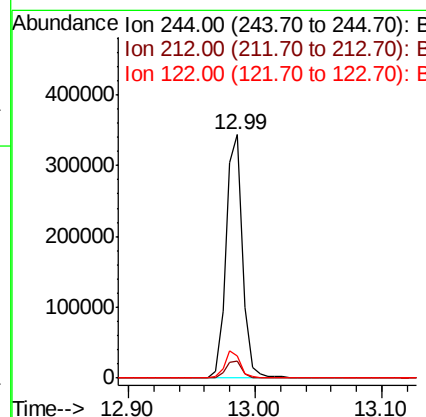
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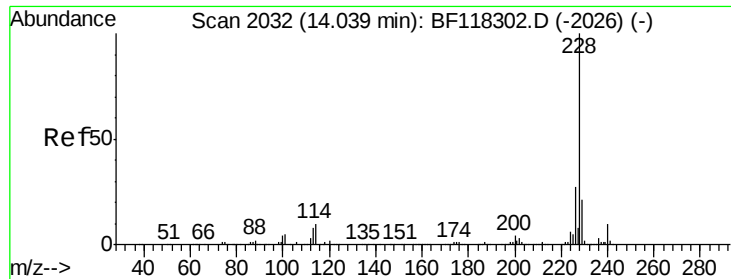
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#79
Terphenyl-d14
Concen: 27.279 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	9.0	7.8	11.8





#81

Benzo(a)anthracene

Concen: 5.561 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Instrument :

BNA_F

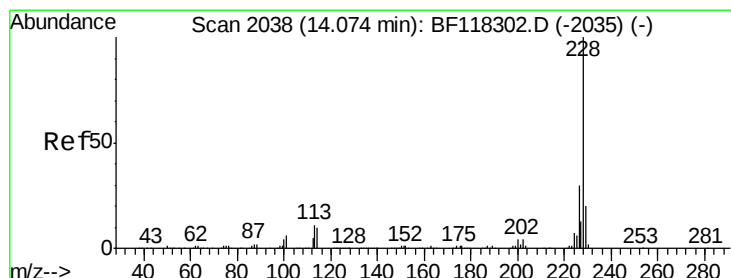
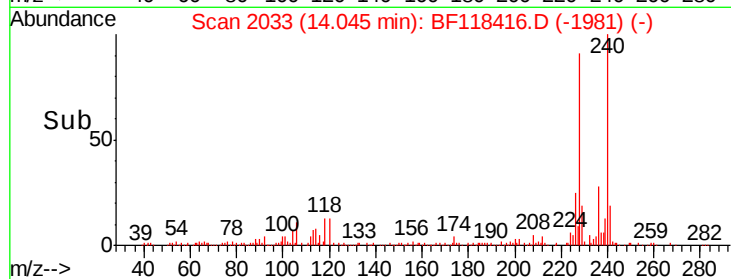
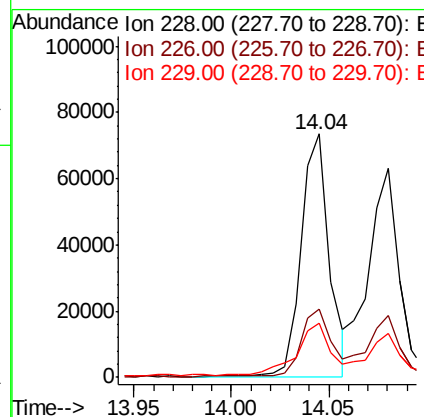
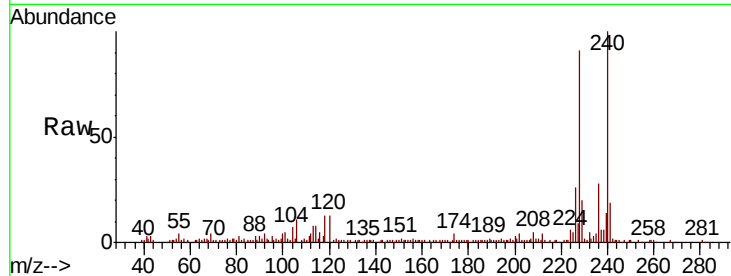
ClientSampleId :

GP-6-(1-3)

Tot Ion:	228	Resp:	74150
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.0	33.0
229	22.0	16.6	24.8

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#83

Chrysene

Concen: 5.525 ng

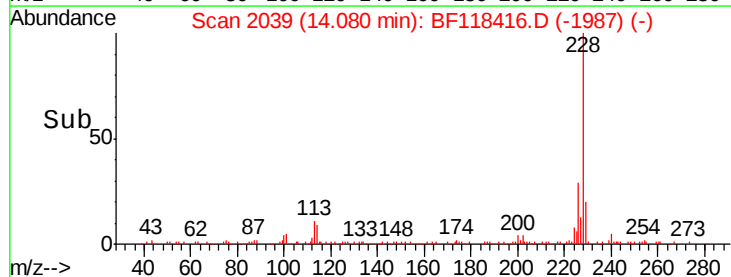
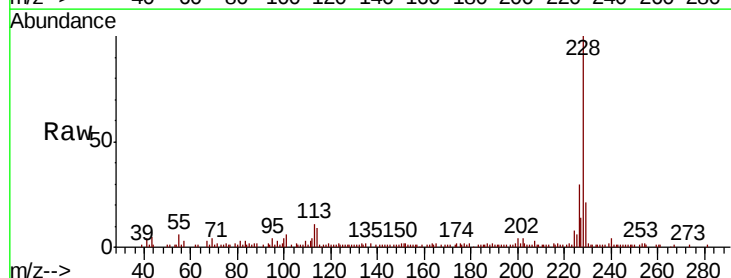
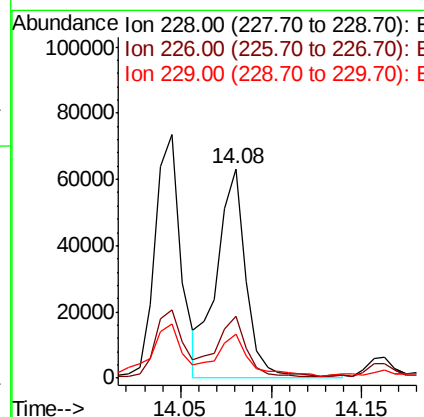
RT: 14.08 min Scan# 2039

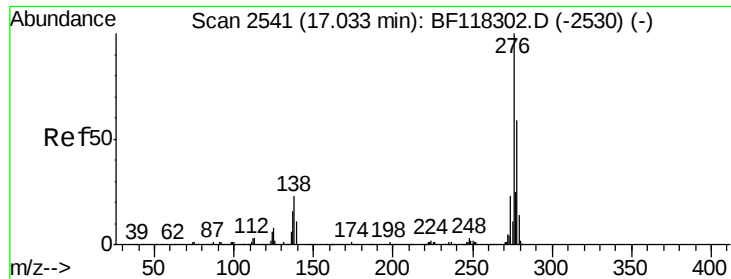
Delta R.T. 0.01 min

Lab File: BF118416.D

Acq: 31 Dec 2019 20:19

Tgt Ion:	228	Resp:	70541
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.9	35.9
229	20.8	16.1	24.1





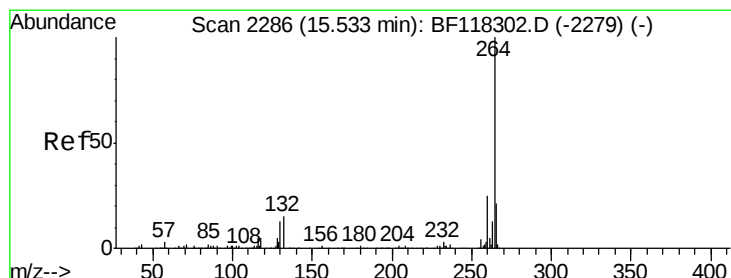
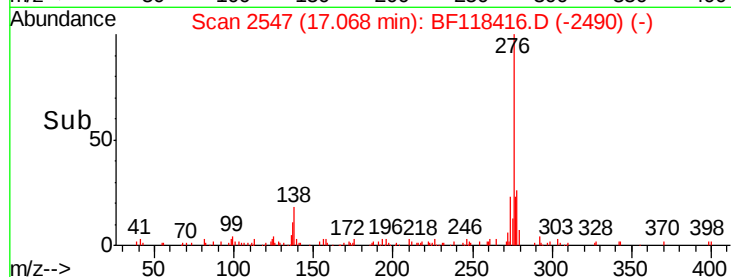
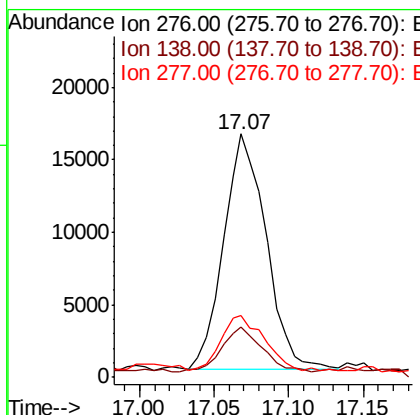
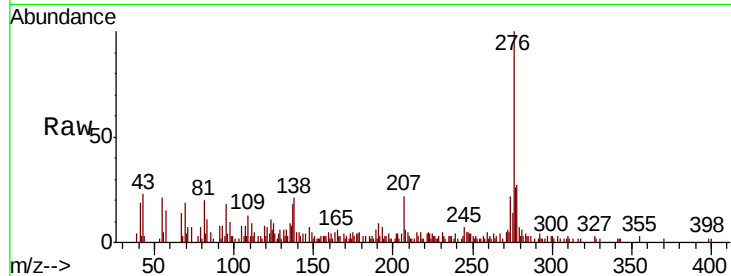
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.966 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. 0.04 min
 Lab File: BF118416.D
 Acq: 31 Dec 2019 20:19

Instrument :
 BNA_F
 ClientSampleId :
 GP-6-(1-3)

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.7	19.5	29.3#
277	23.6	20.6	30.8

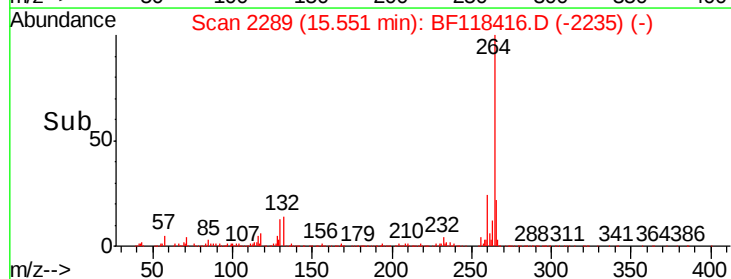
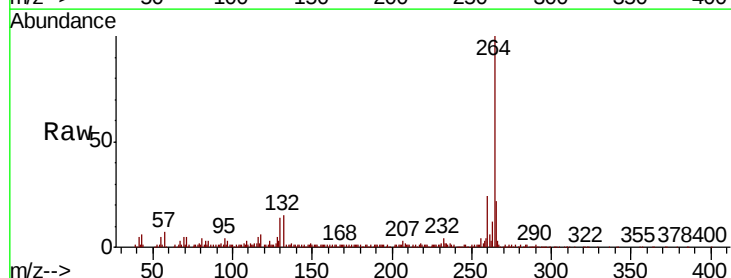
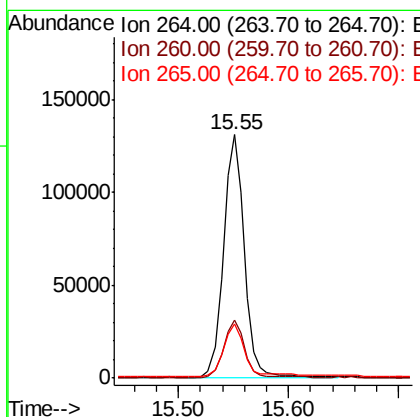
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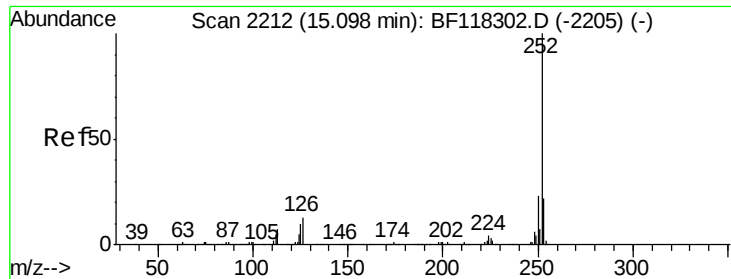
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. 0.02 min
 Lab File: BF118416.D
 Acq: 31 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.8	29.6
265	22.4	17.0	25.4





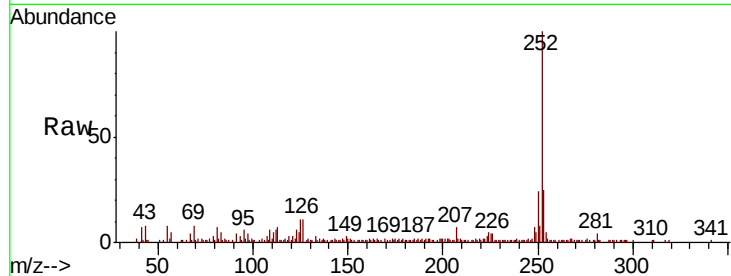
#88
Benzo(b)fluoranthene
Concen: 6.997 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Instrument :
BNA_F
ClientSampleId :
GP-6-(1-3)

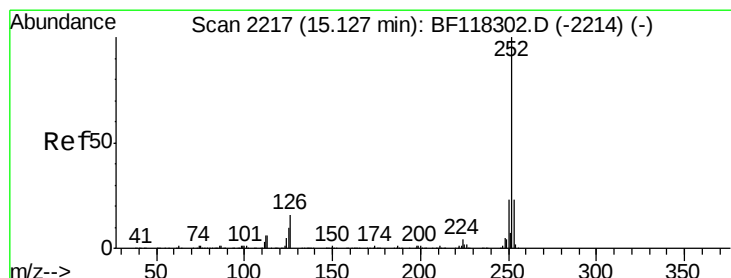
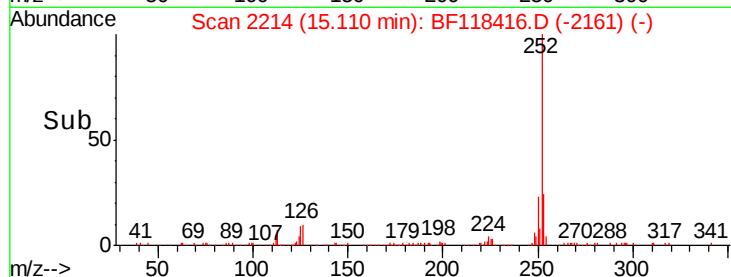
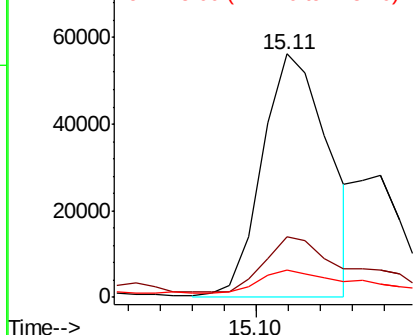
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	11.1	7.7	11.5

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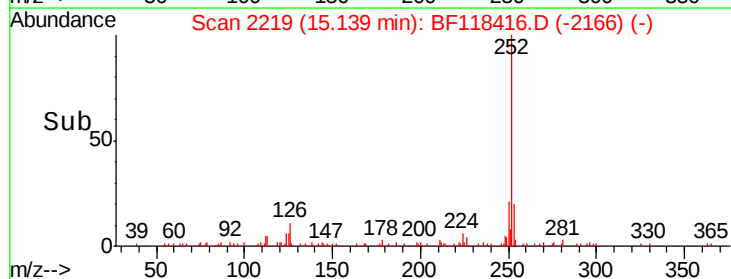
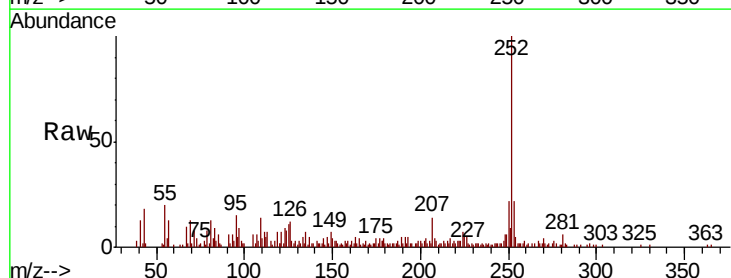
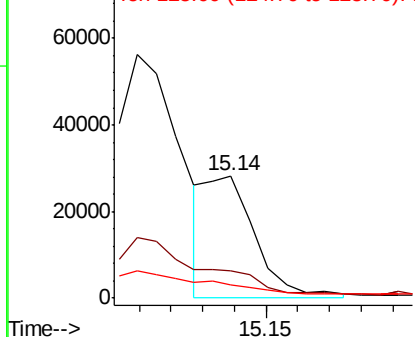
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

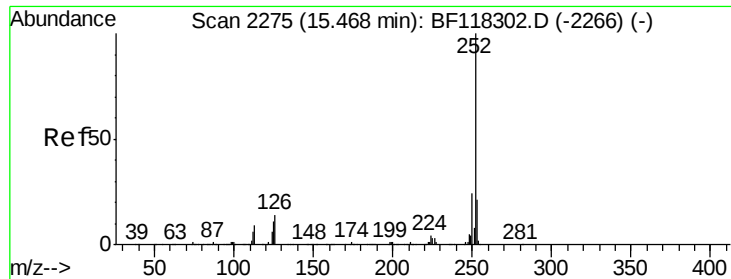


#89
Benzo(k)fluoranthene
Concen: 2.753 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	11.3	8.0	12.0

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





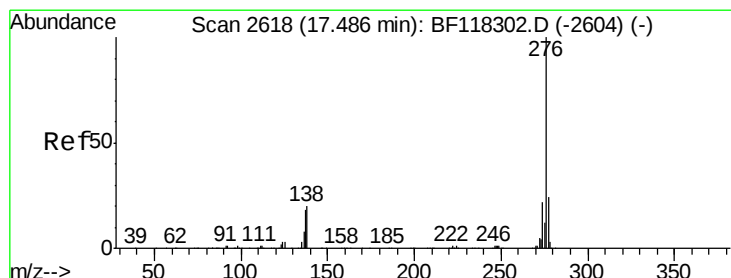
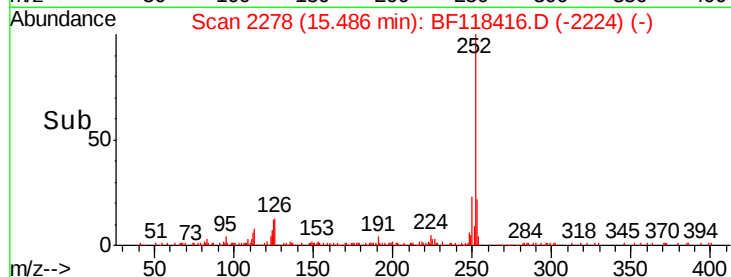
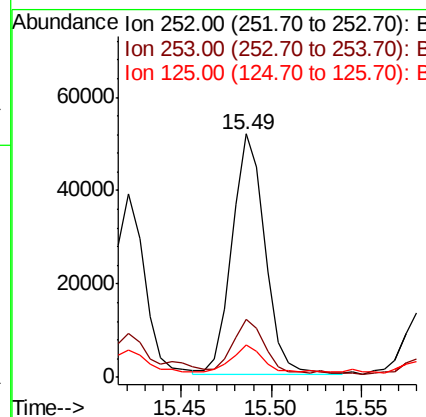
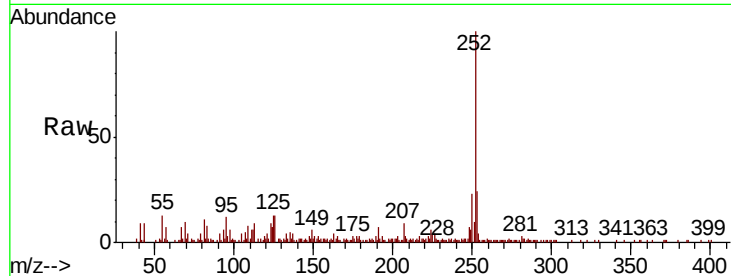
#90
Benzo(a)pyrene
Concen: 6.447 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Instrument :
BNA_F
ClientSampleId :
GP-6-(1-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	13.2	9.0	13.4

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#92
Benzo(g,h,i)perylene
Concen: 3.895 ng
RT: 17.53 min Scan# 2625
Delta R.T. 0.04 min
Lab File: BF118416.D
Acq: 31 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	19.1	28.7
138	23.8	16.1	24.1

