

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116213.D
 Acq On : 13 Aug 2019 2:23
 Operator : HP/JU
 Sample : K4292-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP-WS

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:53:57 AM

Quant Time: Aug 13 03:58:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	123889	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	489141	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	248753	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	394105	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	276335	20.00	ng	-0.01
87) Perylene-d12	15.47	264	294353	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	728803	98.48	ng	-0.01
7) Phenol-d6	6.47	99	955245	102.31	ng	-0.01
23) Nitrobenzene-d5	7.40	82	601056	70.93	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	227089	94.16	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1079261	81.27	ng	-0.01
79) Terphenyl-d14	12.94	244	922826	70.37	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	31540	2.868	ng	Qvalue 96
50) Dimethylphthalate	9.58	163	129146	7.625	ng	99
71) Phenanthrene	11.38	178	85655	4.251	ng	97
75) Fluoranthene	12.57	202	204525	9.697	ng	99
78) Pyrene	12.80	202	164650	7.904	ng	99
81) Benzo(a)anthracene	13.99	228	71521	4.049	ng	98
83) Chrysene	14.03	228	102249	5.963	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	53095	3.687	ng	96
88) Benzo(b)fluoranthene	15.04	252	154622m	9.085	ng	
89) Benzo(k)fluoranthene	15.07	252	46498m	2.805	ng	
90) Benzo(a)pyrene	15.41	252	77747	5.110	ng	# 94
92) Benzo(a,h,i)perylene	17.40	276	48367	3.740	ng	94

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

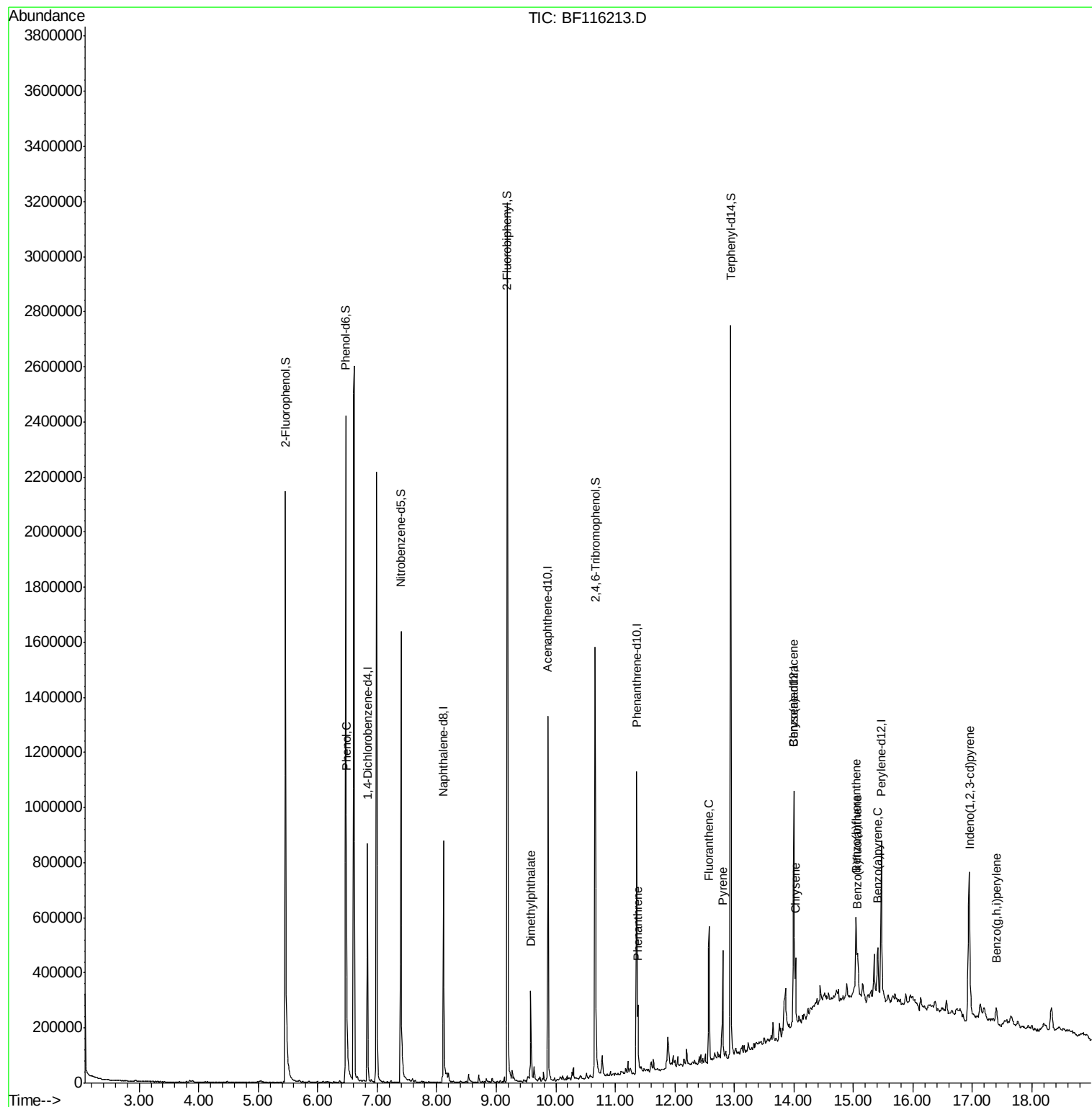
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
Data File : BF116213.D
Acq On : 13 Aug 2019 2:23
Operator : HP/JU
Sample : K4292-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

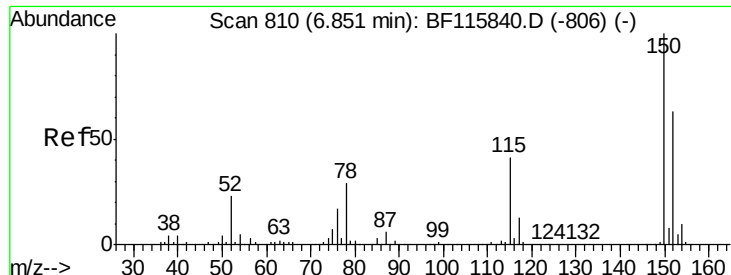
Instrument :
BNA_F
ClientSampleId :
RO-COMP-WS

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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#1

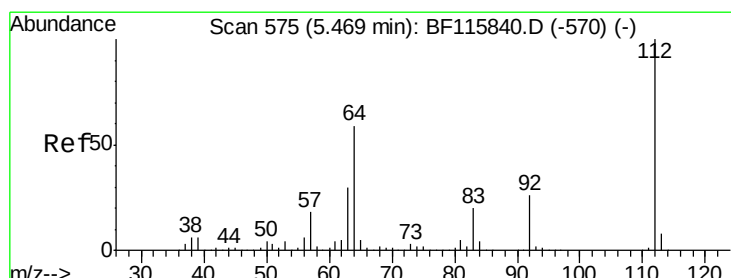
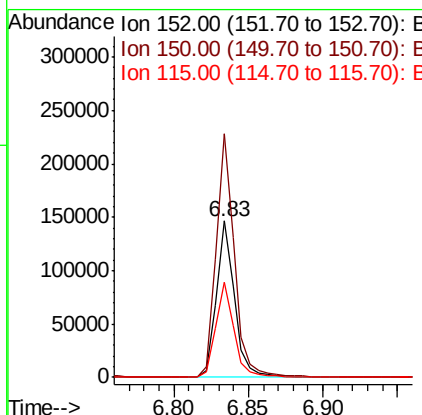
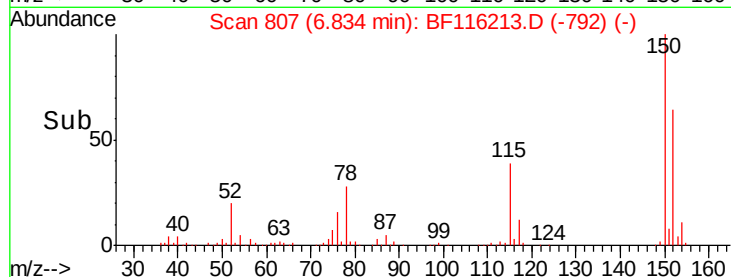
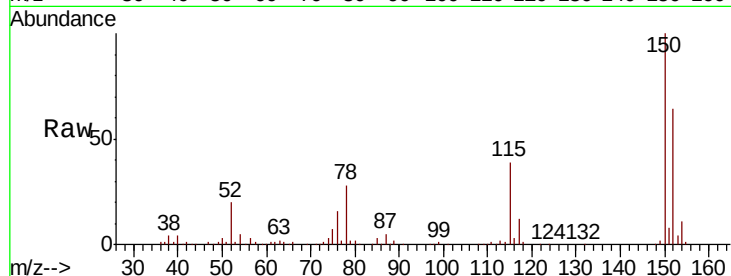
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Instrument :
BNA_F
ClientSampleId :
RO-COMP-WS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	60.9	49.9	74.9

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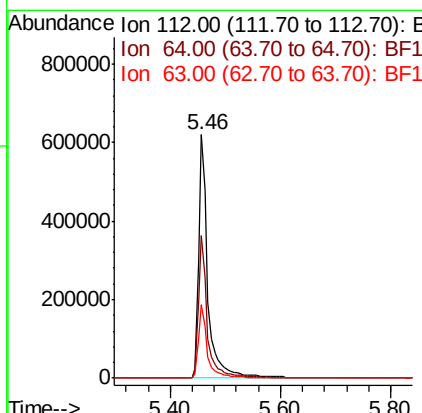
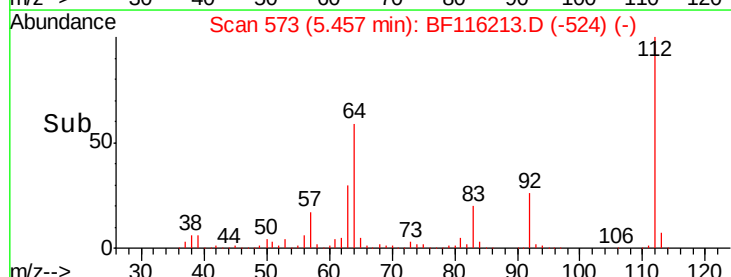
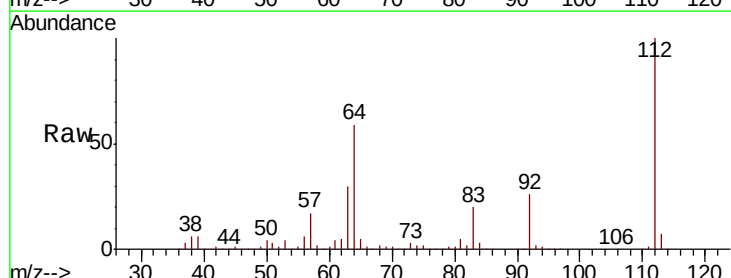
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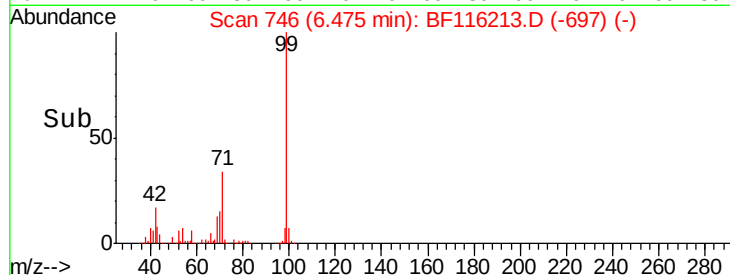
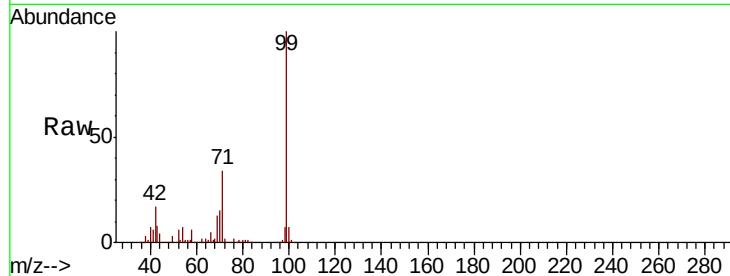
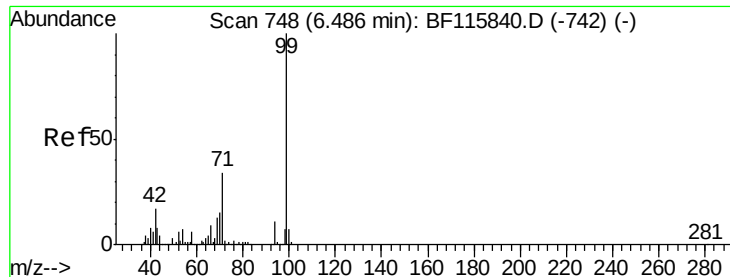


#5

2-Fluorophenol
Concen: 98.480 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	45.4	68.2
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 102.307 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

Tot Ion:	99	Resp:	955245
Ion Ratio	Lower	Upper	
99	100		
42	16.7	13.8	20.8
71	33.7	27.3	40.9

Instrument :

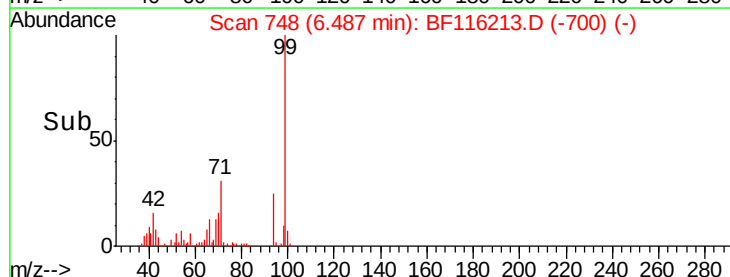
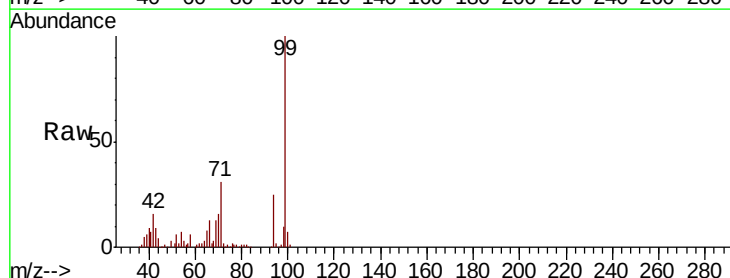
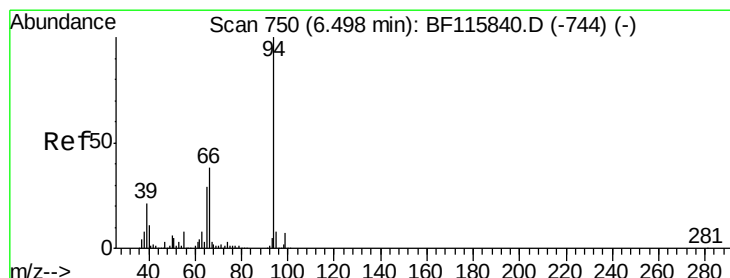
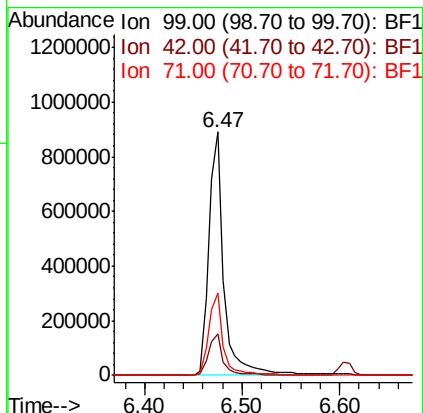
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 2.868 ng

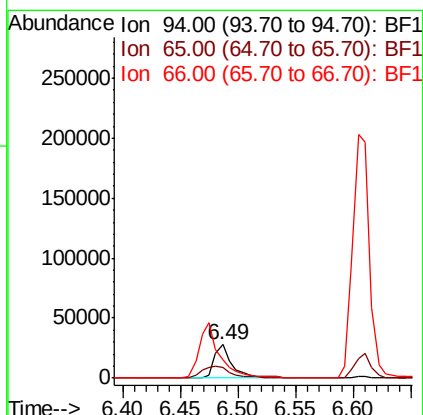
RT: 6.49 min Scan# 748

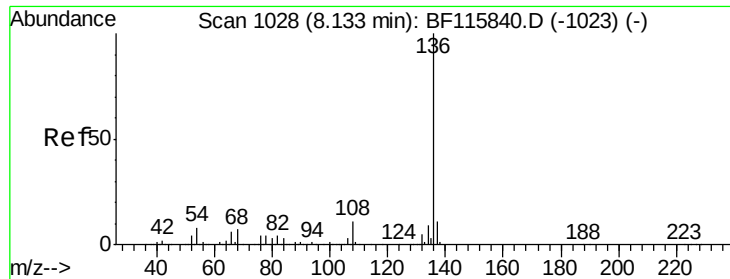
Delta R.T. -0.02 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

Tgt Ion:	94	Resp:	31540
Ion Ratio	Lower	Upper	
94	100		
65	31.6	16.8	56.8
66	53.4	34.2	74.2





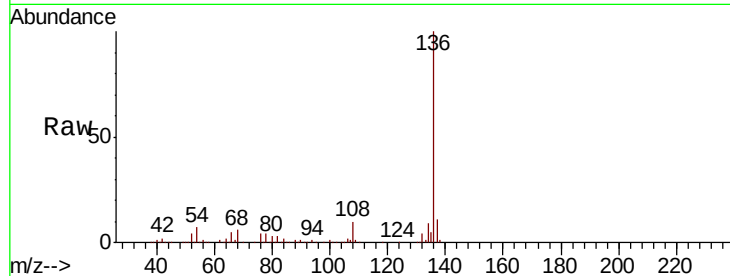
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Instrument :
BNA_F
ClientSampleId :
RO-COMP-WS

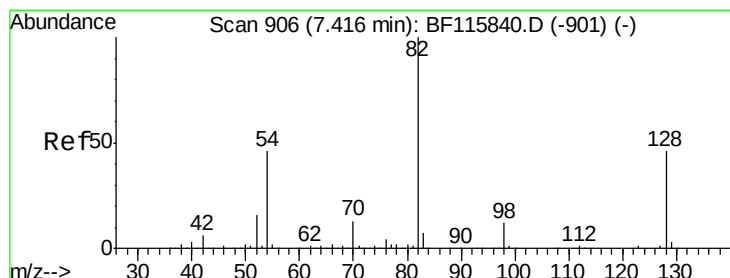
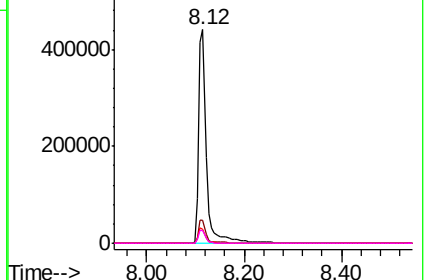
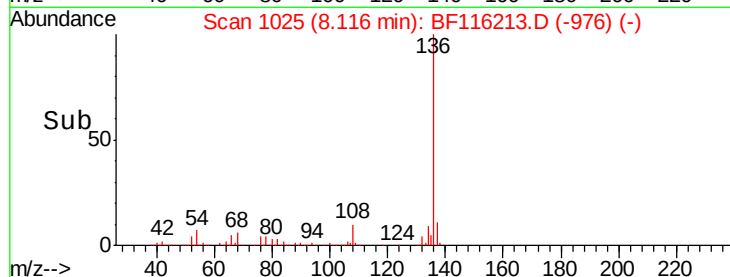
Tot Ion	Ratio	Resp	Lower	Upper
136	100	489141		
137	11.0	9.0	13.4	
54	6.6	5.8	8.6	
68	5.9	5.2	7.8	

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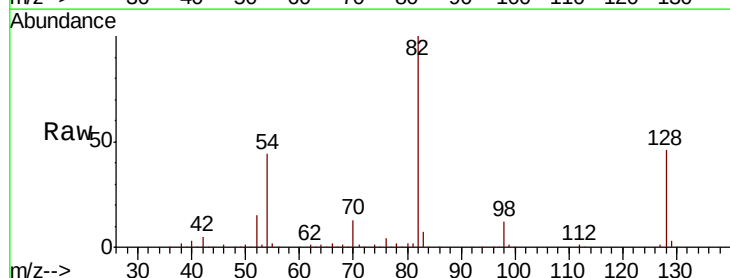


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

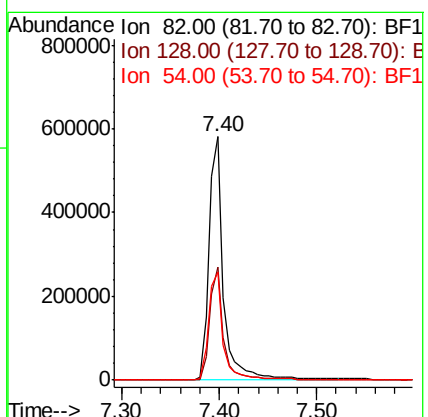
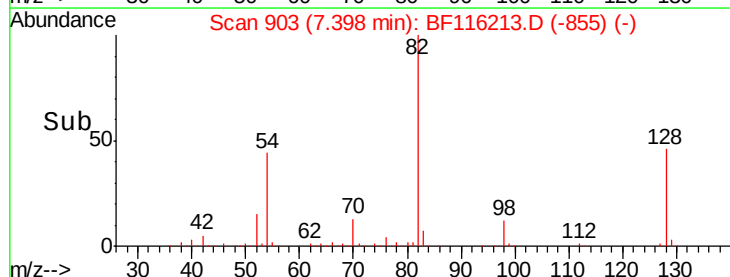


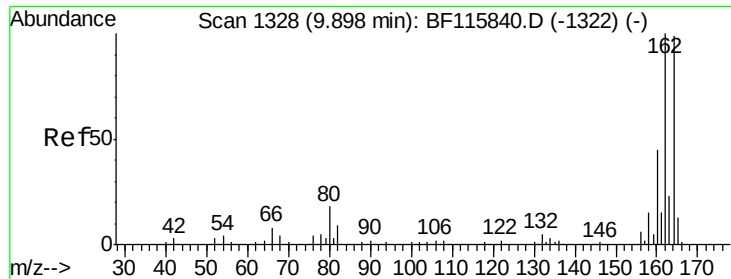
#23
Nitrobenzene-d5
Concen: 70.930 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	601056		
128	46.4	36.5	54.7	
54	44.1	36.0	54.0	



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





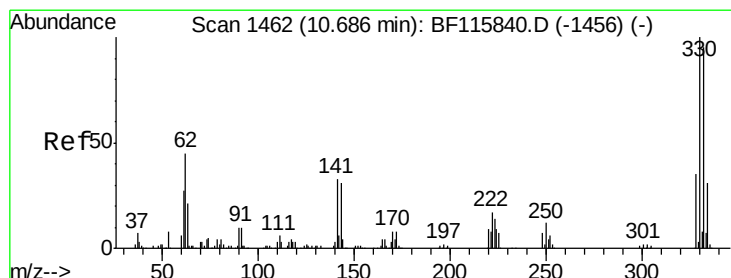
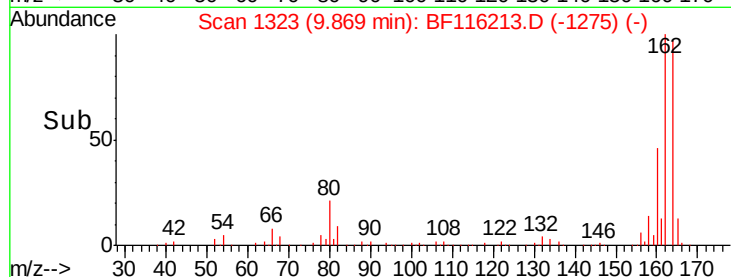
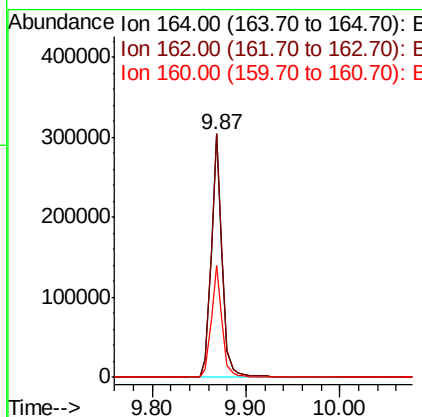
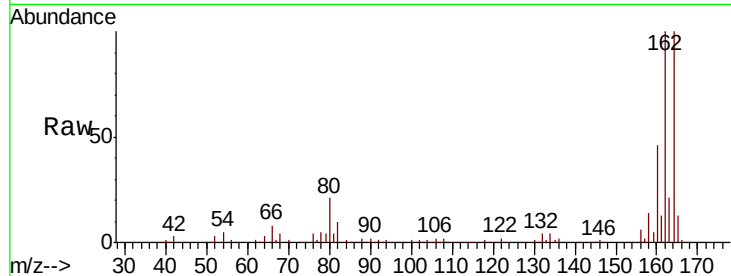
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Instrument :
BNA_F
ClientSampleId :
RO-COMP-WS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.1	82.6	124.0	
160	45.9	37.6	56.4	

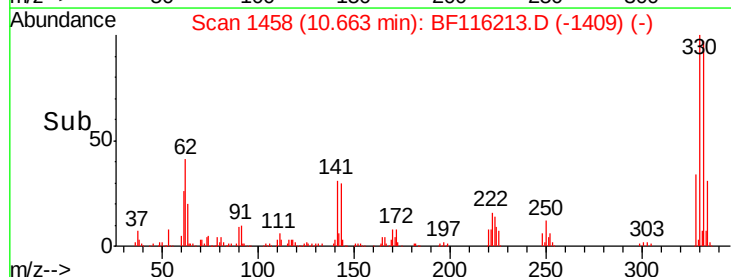
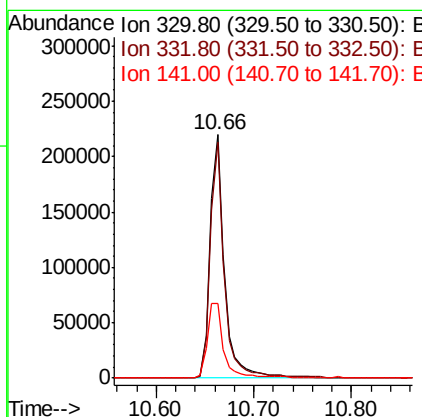
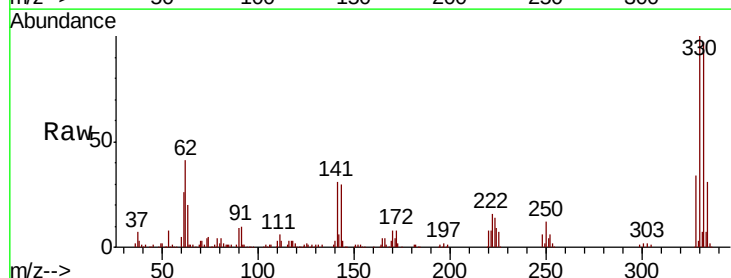
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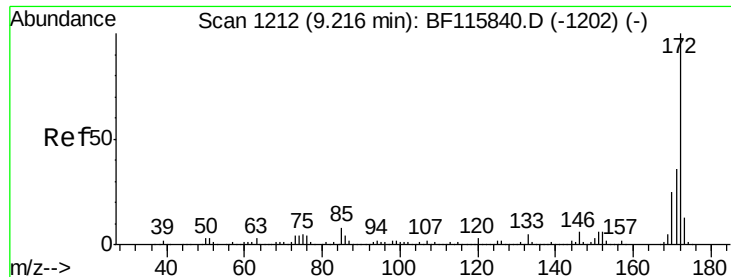
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#42
2,4,6-Tribromophenol
Concen: 94.160 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	76.8	115.2	
141	35.7	26.3	39.5	





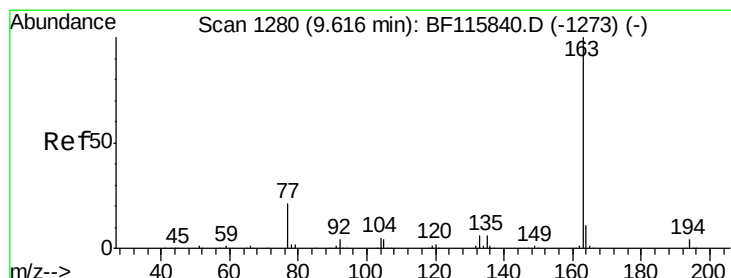
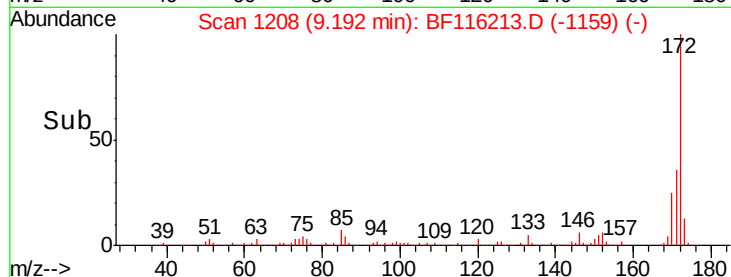
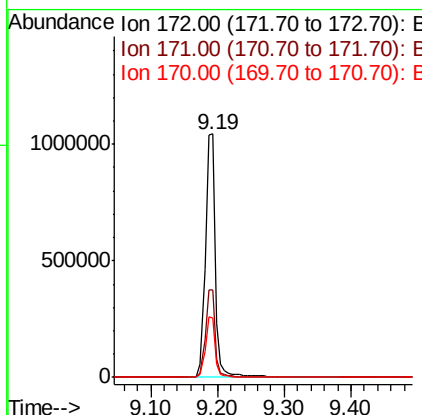
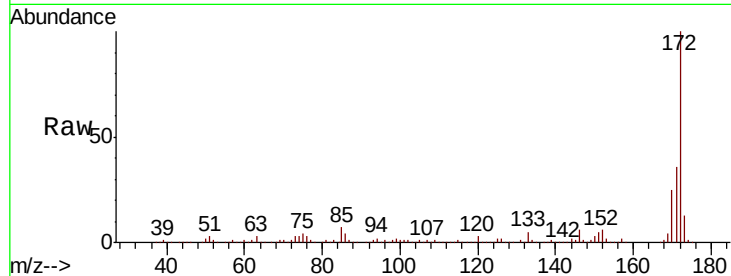
#45
2-Fluorobiphenyl
Concen: 81.267 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	24.6	20.1	30.1

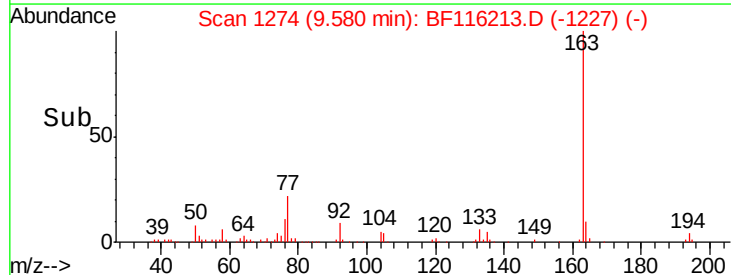
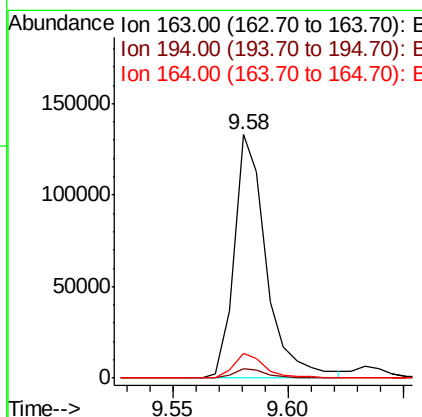
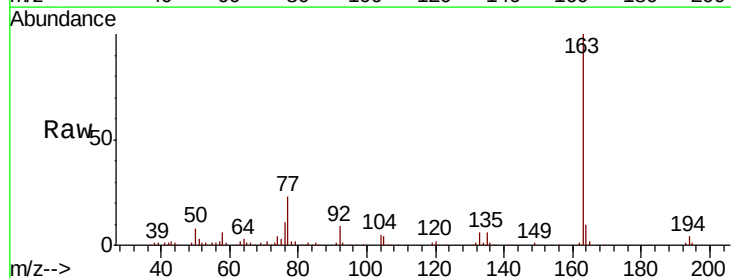
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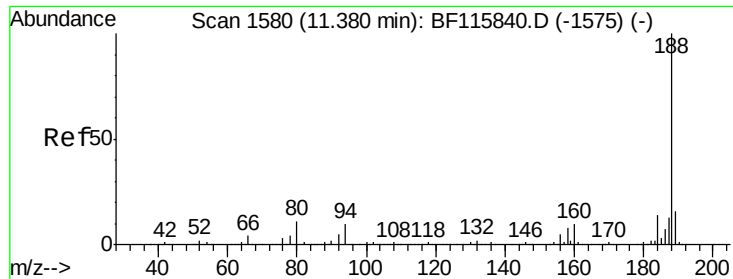
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#50
Dimethylphthalate
Concen: 7.625 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.2	8.4	12.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

Instrument :

BNA_F

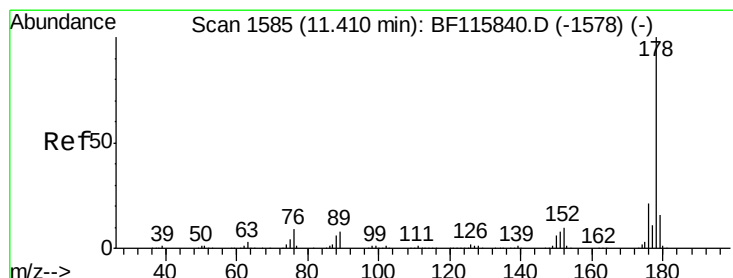
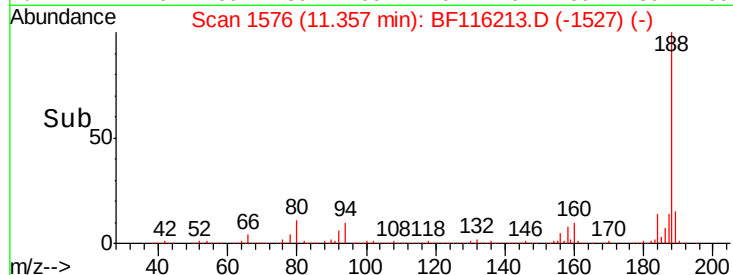
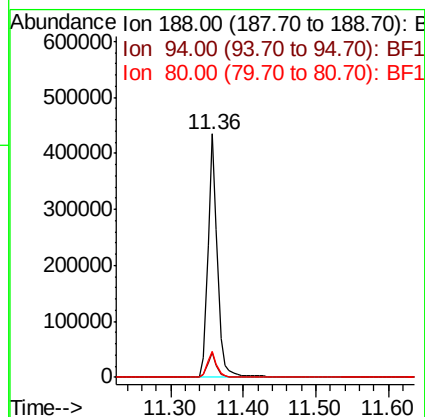
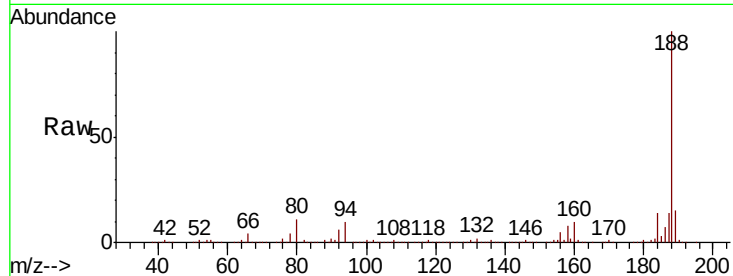
ClientSampleId :

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Tot Ion:	188	Resp:	394105
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.1	12.1
80	10.8	8.7	13.1

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#71

Phenanthrene

Concen: 4.251 ng

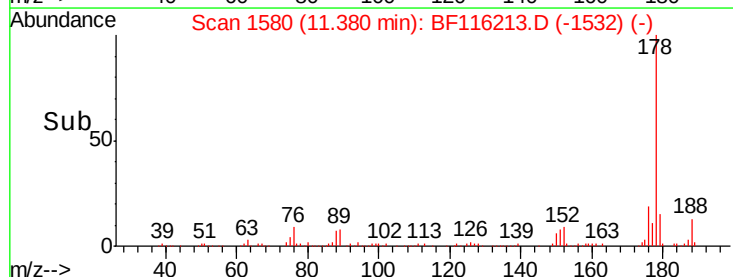
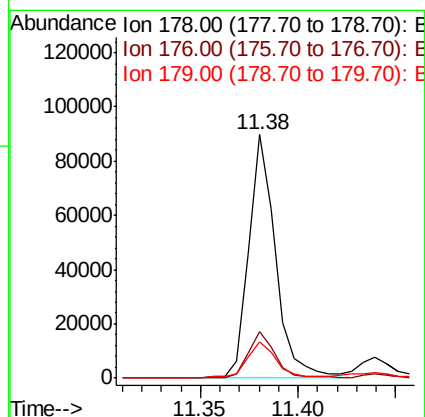
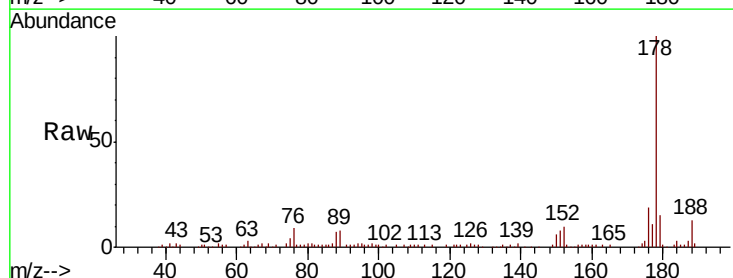
RT: 11.38 min Scan# 1580

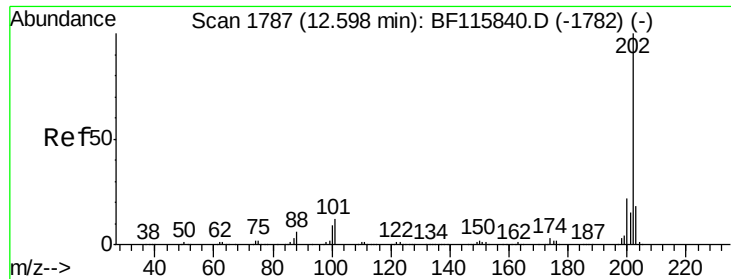
Delta R.T. -0.02 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

Tgt Ion:	178	Resp:	85655
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.6	24.8
179	14.8	12.5	18.7





#75

Fluoranthene

Concen: 9.697 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

Instrument :

BNA_F

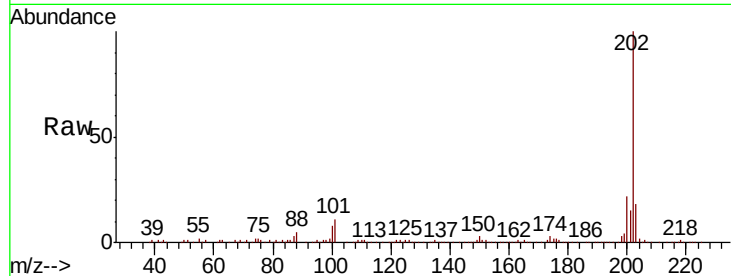
ClientSampleId :

RO-COMP-WS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	0.0	31.2
203	18.2	0.0	37.8

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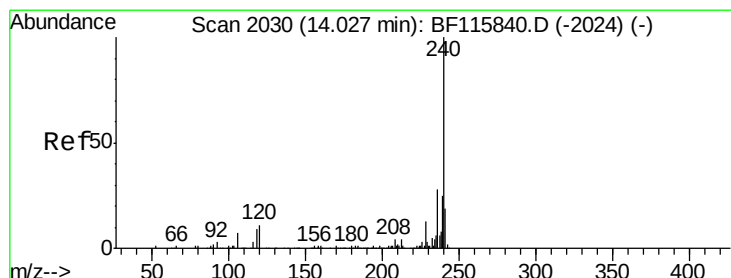
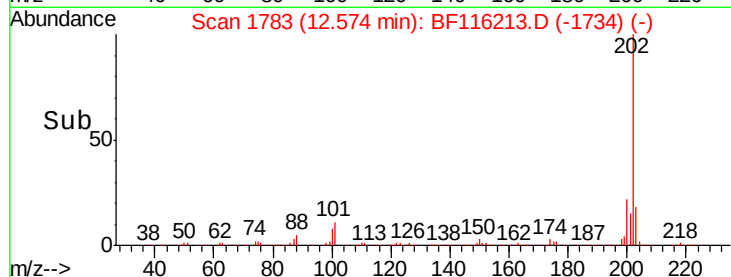
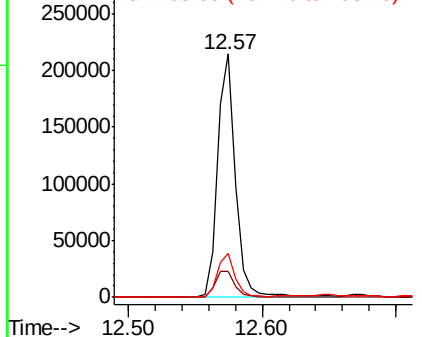


Abundance

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# 2025

Delta R.T. -0.01 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

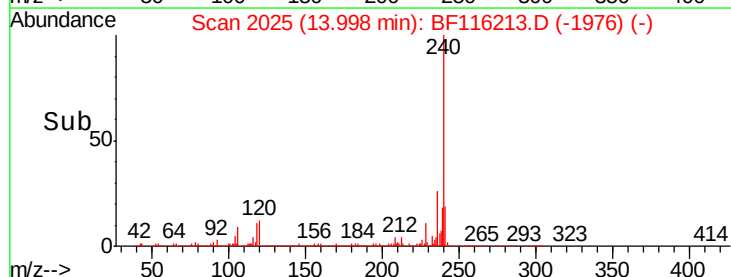
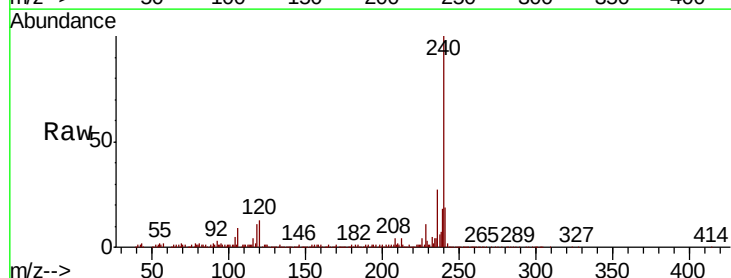
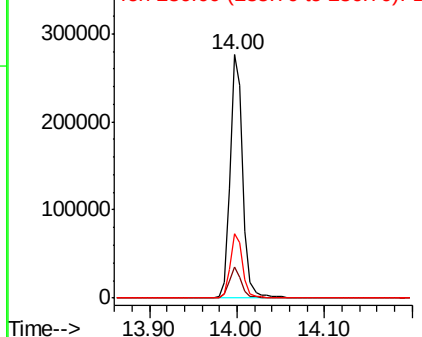
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.6	10.7	16.1
236	26.5	22.2	33.2

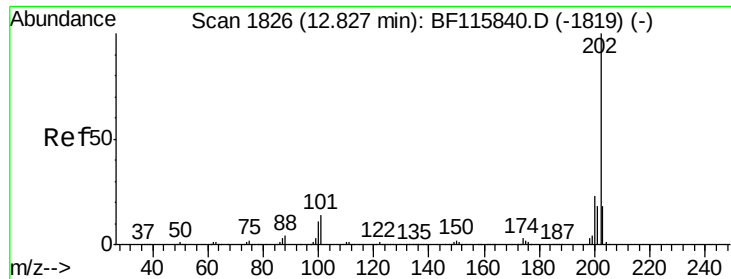
Abundance

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





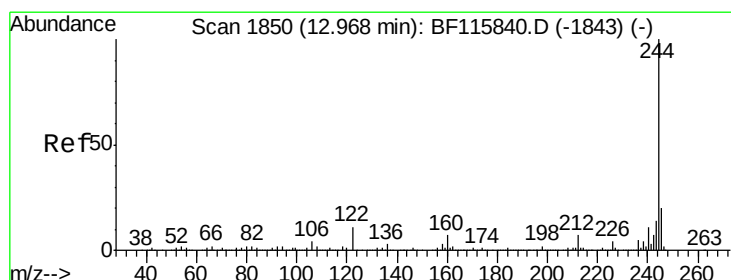
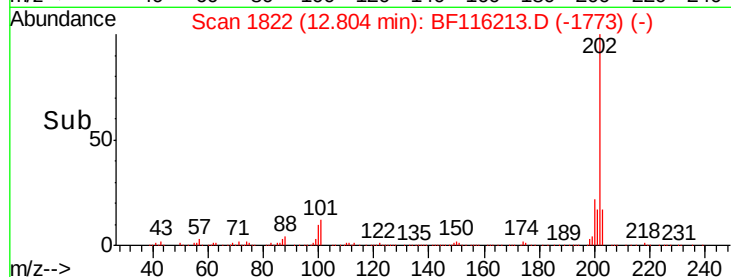
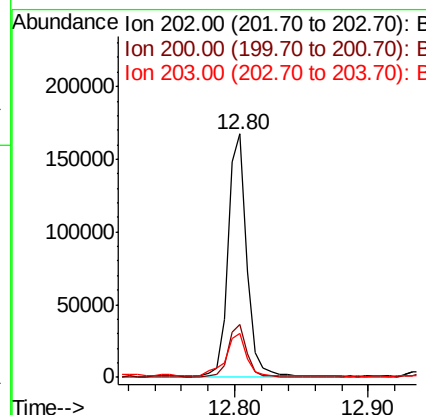
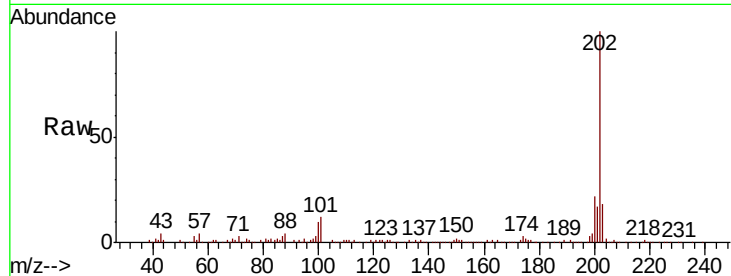
#78
Pvrene
Concen: 7.904 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Instrument :
BNA_F
ClientSampleId :
RO-COMP-WS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.9	18.0	27.0
203	17.8	14.1	21.1

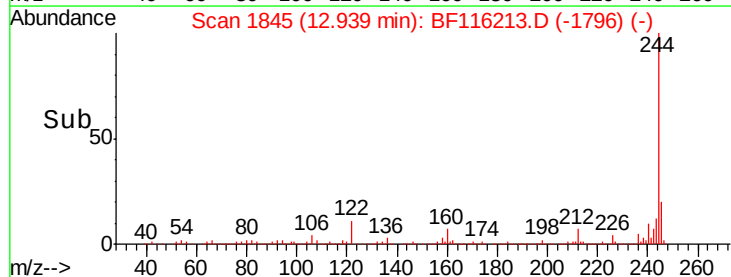
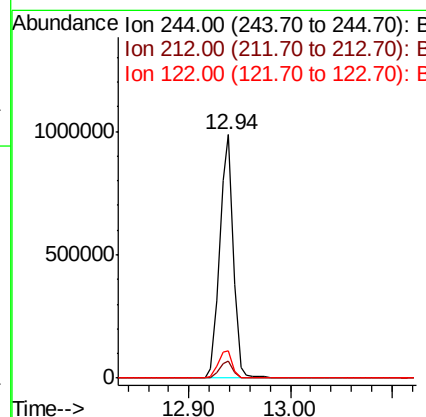
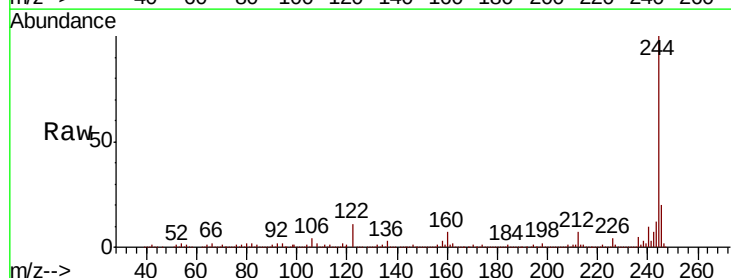
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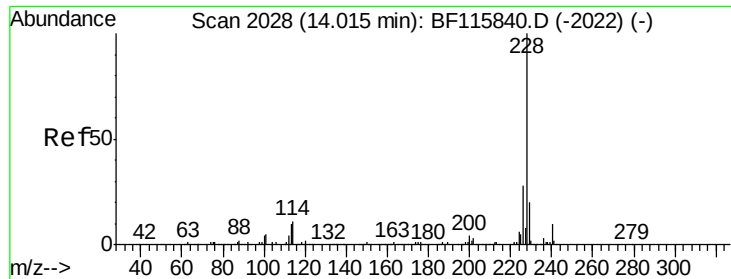
mohammad
8/14/2019 2:53:57 AM



#79
Terphenyl-d14
Concen: 70.369 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.8	8.8
122	11.1	9.0	13.4





#81

Benzo(a)anthracene

Concen: 4.049 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

Instrument :

BNA_F

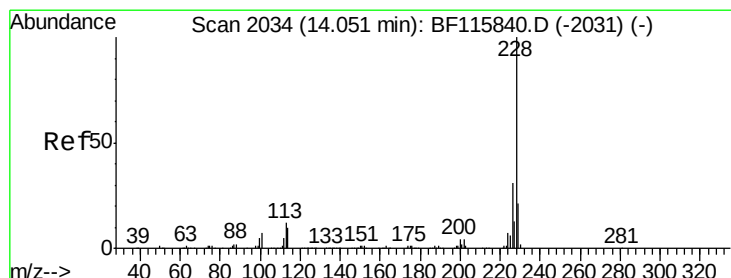
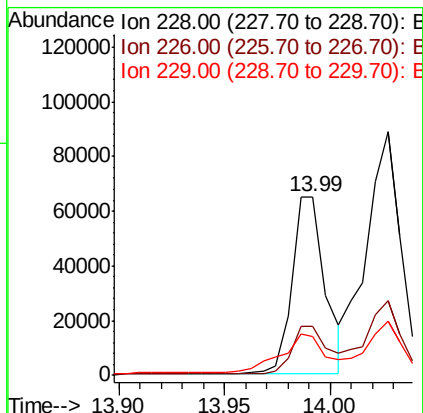
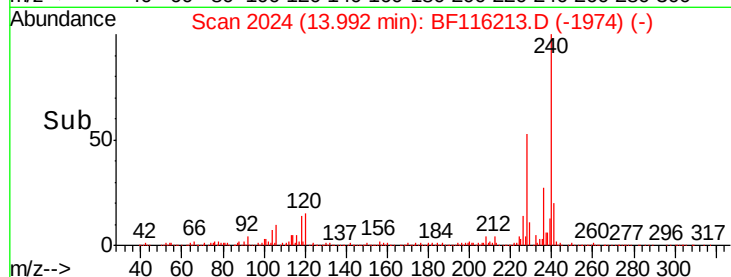
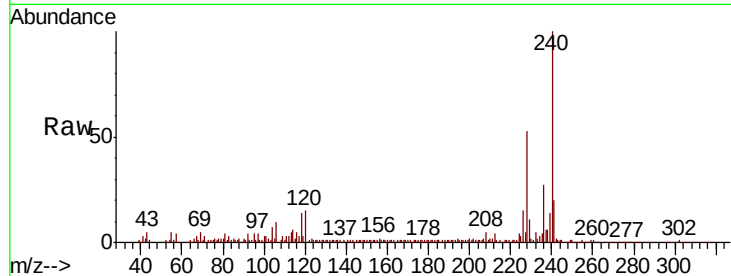
ClientSampleId :

RO-COMP-WS

Tot Ion:	228	Resp:	71521
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.7	34.1
229	21.4	16.2	24.4

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#83

Chrysene

Concen: 5.963 ng

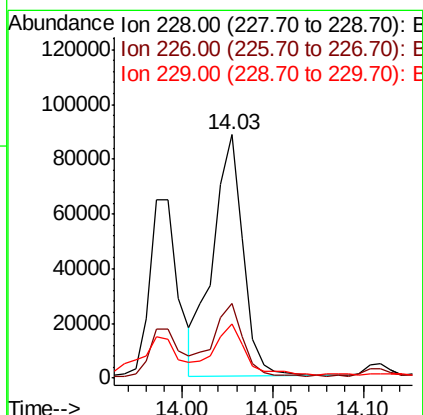
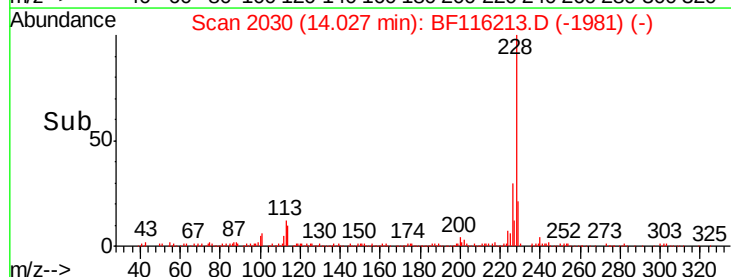
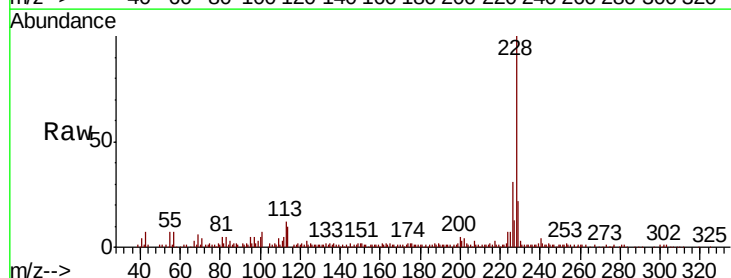
RT: 14.03 min Scan# 2030

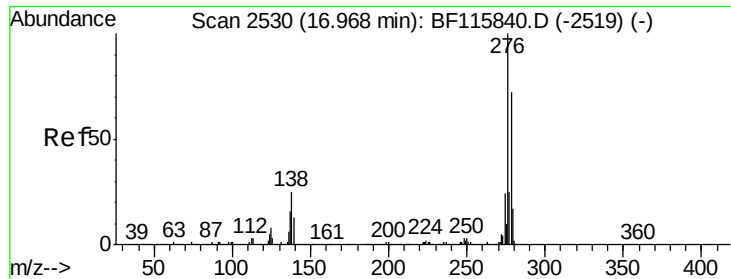
Delta R.T. -0.01 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

Tgt Ion:	228	Resp:	102249
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.5	38.3
229	22.2	16.6	24.8





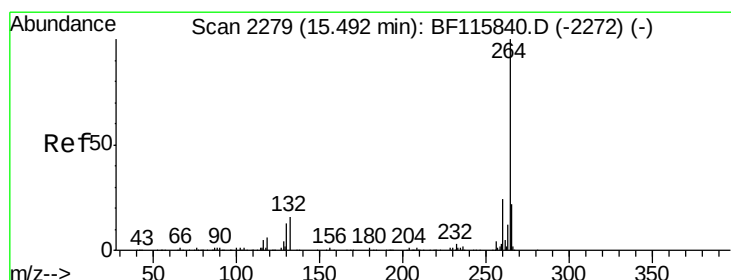
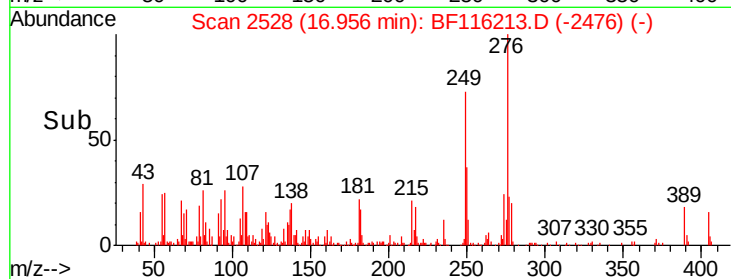
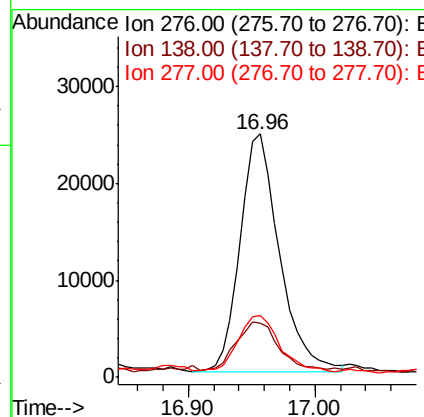
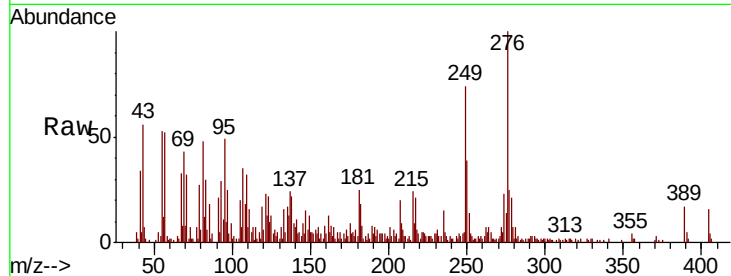
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.687 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. 0.01 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

Instrument :
 BNA_F
 ClientSampleId :
 RO-COMP-WS

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.4	30.6
277	24.4	20.0	30.0

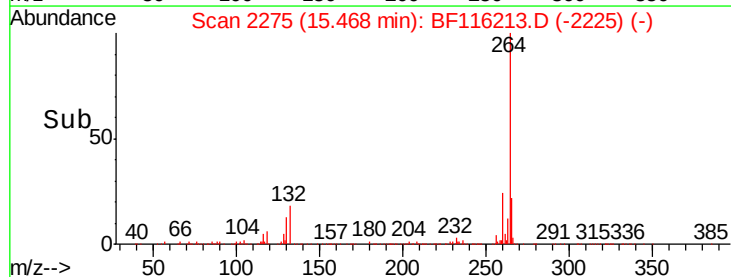
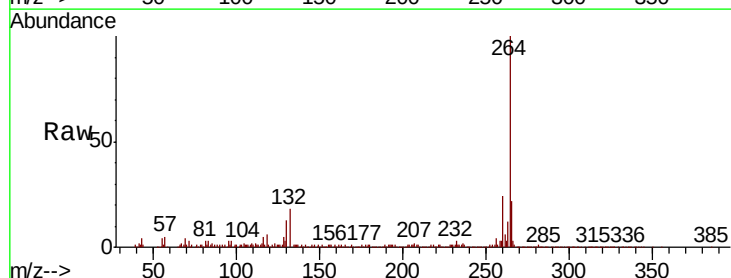
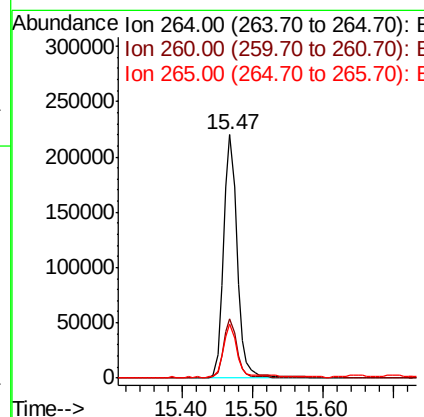
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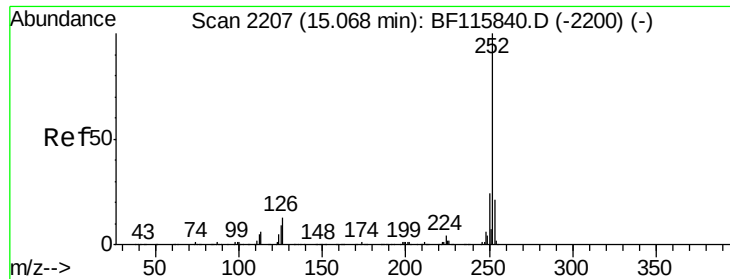
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116213.D
 Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	22.1	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 9.085 ng m

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

Instrument :

BNA_F

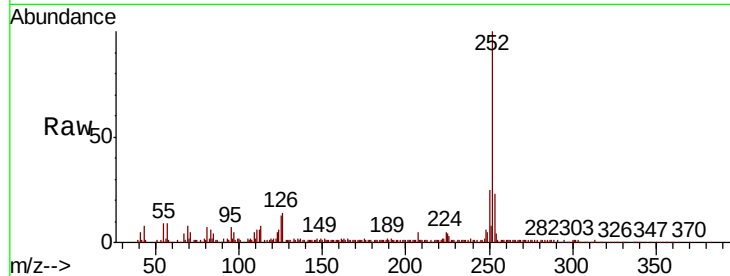
ClientSampleId :

RO-COMP-WS

Tot Ion:	252	Resp:	154622
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.8
125	12.9	8.4	12.6#

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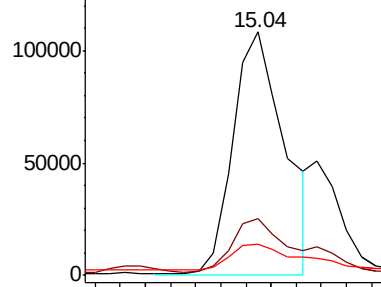


Abundance

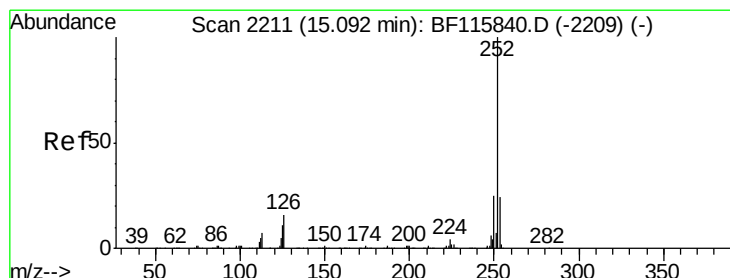
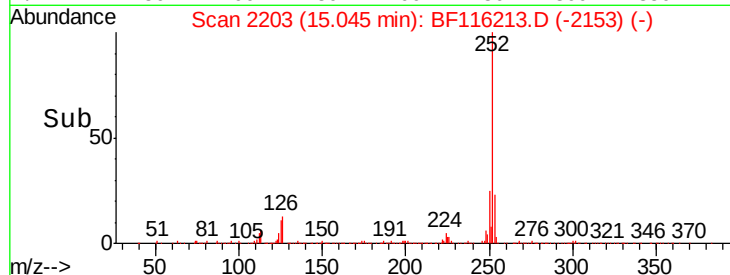
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89

Benzo(k)fluoranthene

Concen: 2.805 ng m

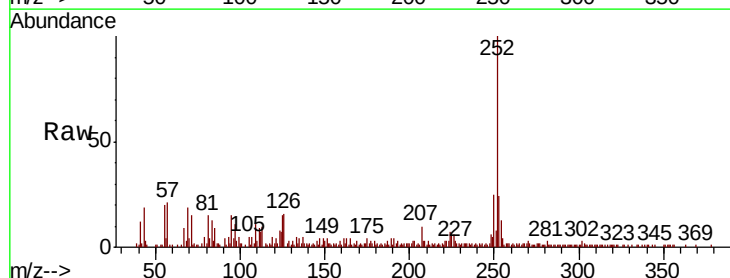
RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BF116213.D

Acq: 13 Aug 2019 2:23

Tgt Ion:	252	Resp:	46498
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.8
125	15.1	7.7	11.5#

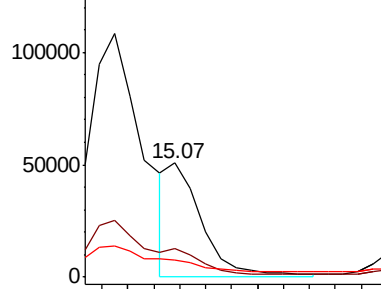


Abundance

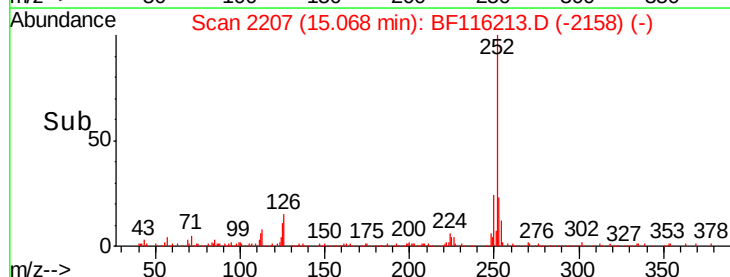
Ion 252.00 (251.70 to 252.70): E

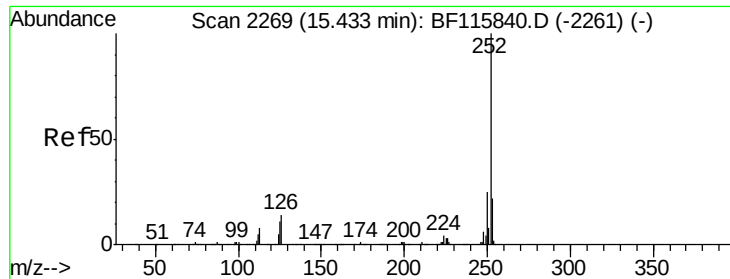
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





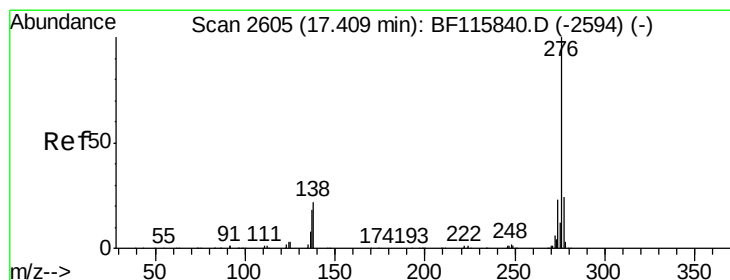
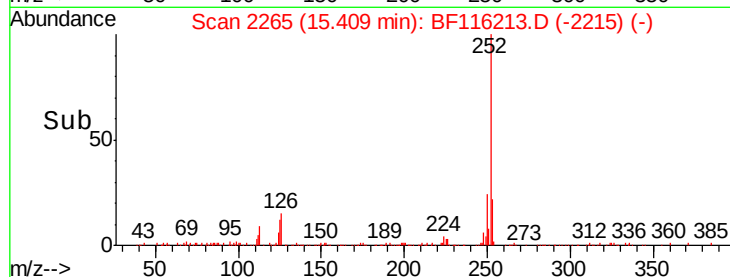
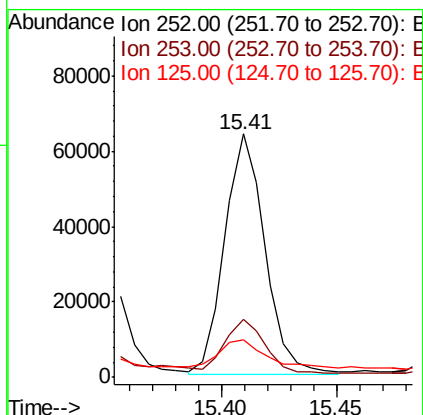
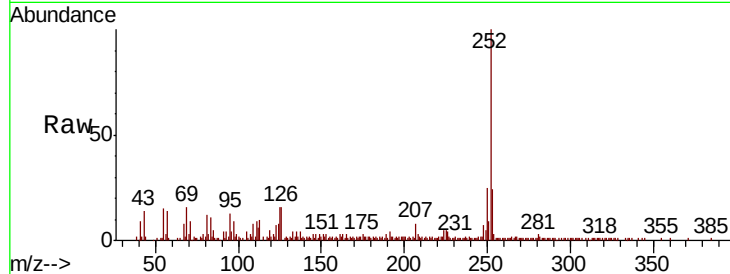
#90
Benzo(a)pyrene
Concen: 5.110 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Instrument :
BNA_F
ClientSampleId :
RO-COMP-WS

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	15.6	8.9	13.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.740 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.02 min
Lab File: BF116213.D
Acq: 13 Aug 2019 2:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.4	27.6
138	23.7	17.0	25.6

