

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
 Data File : BF112454.D
 Acq On : 7 Feb 2019 22:32
 Operator : JU/SJ
 Sample : K1396-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 23935

Manual Integrations
 APPROVED

Sohil
 2/11/2019 4:50:10 PM

Quant Time: Feb 09 04:02:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	130977	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	492035	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	216243	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	343749	20.00	ng	-0.01
76) Chrysene-d12	14.01	240	267207	20.00	ng	0.00
87) Perylene-d12	15.48	264	249738	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	707316	114.71	ng	0.00
7) Phenol-d6	6.49	99	872117	101.78	ng	0.00
23) Nitrobenzene-d5	7.39	82	531860	62.28	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	193878	77.03	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	847234	55.41	ng	-0.02
79) Terphenyl-d14	12.94	244	538984	37.99	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.58	163	85116	5.066	ng	98
71) Phenanthrene	11.38	178	53014	2.966	ng	97
75) Fluoranthene	12.57	202	148313	7.738	ng	97
78) Pyrene	12.80	202	118567	6.409	ng	98
81) Benzo(a)anthracene	14.00	228	54227	3.452	ng	97
83) Chrysene	14.03	228	74791	4.988	ng	97
84) Bis(2-ethylhexyl)phthalate	13.97	149	59151	4.656	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	34363	2.892	ng	94
88) Benzo(b)fluoranthene	15.06	252	98455m	6.592	ng	
90) Benzo(a)pyrene	15.42	252	53745	3.999	ng	# 66
92) Benzo(a,h,i)perylene	17.43	276	34439	3.370	ng	# 92

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

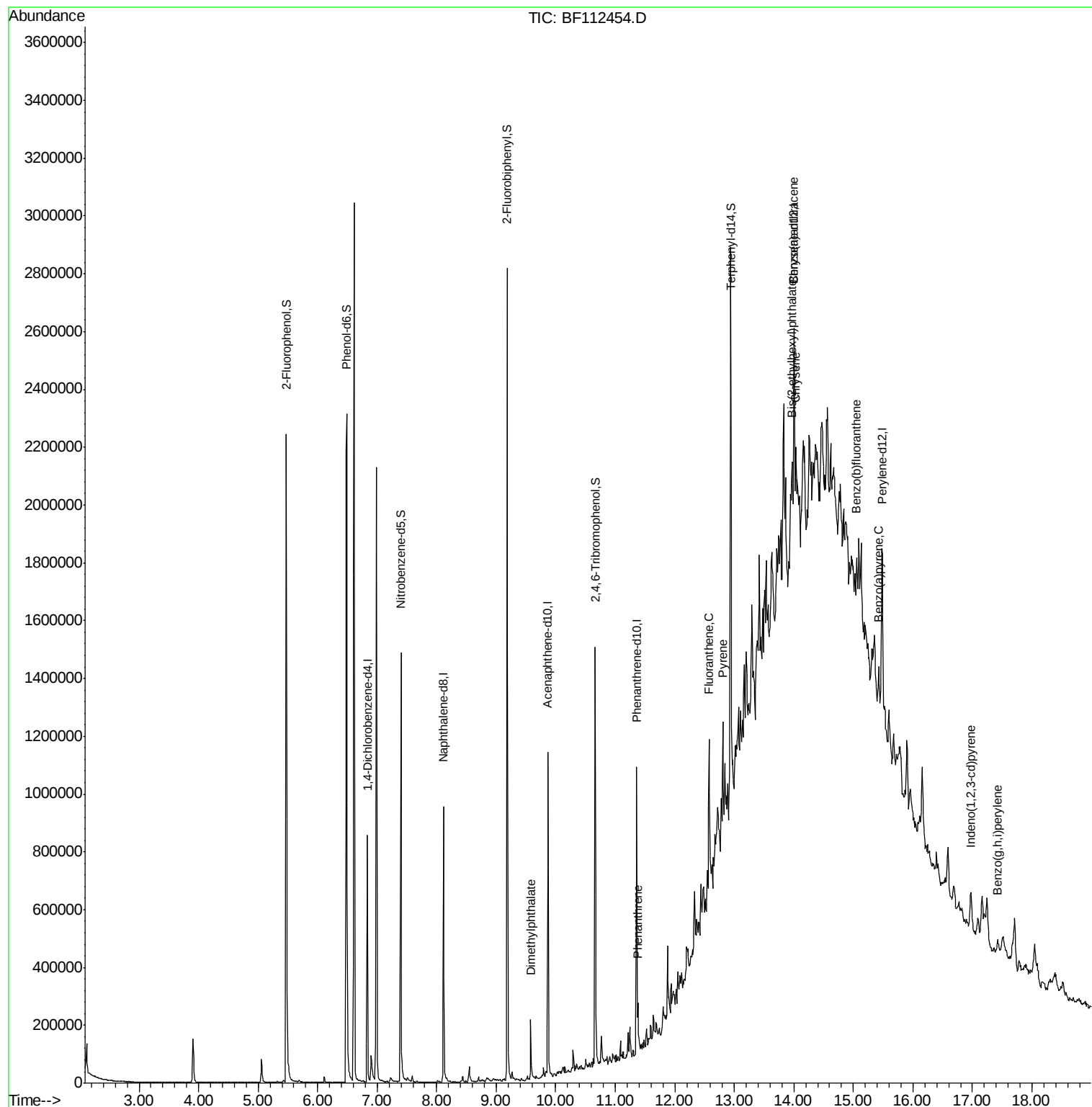
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
Data File : BF112454.D
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Response via : Initial Calibration





#1

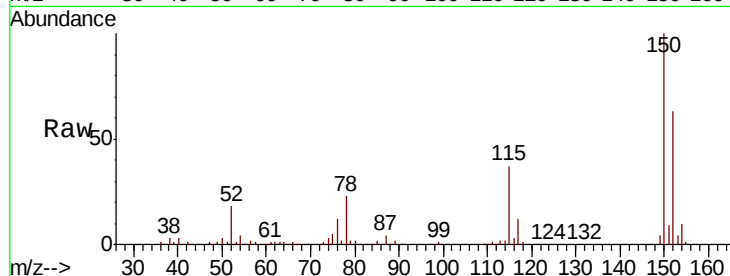
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Instrument :
BNA_F
ClientSampleId :
23935

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	127.4	191.0
115	59.2	45.5	68.3

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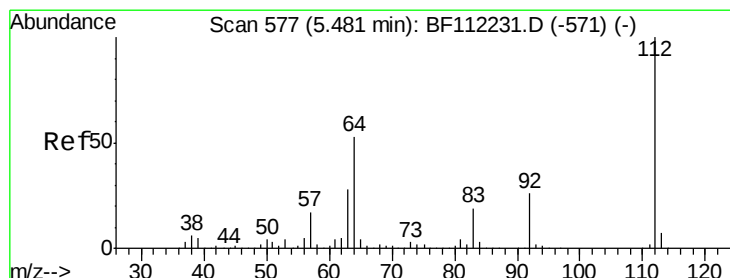
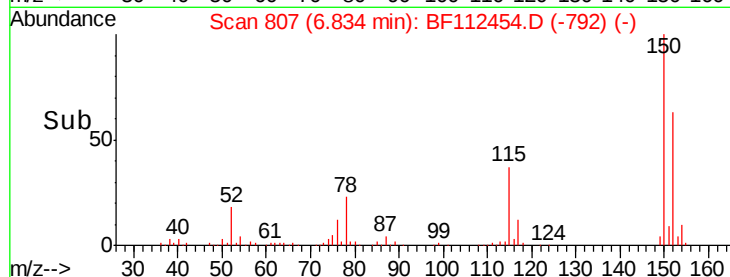
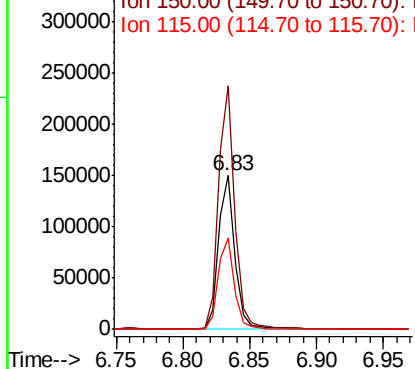


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

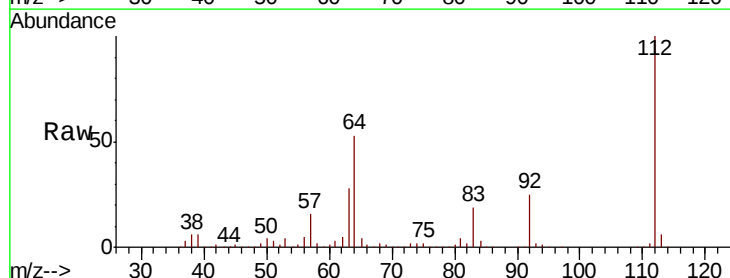
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 114.706 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	45.7	68.5
63	27.8	23.6	35.4

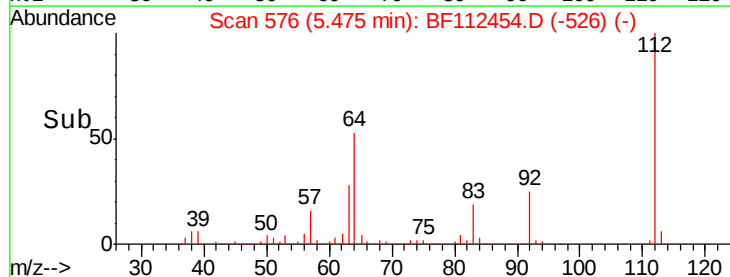
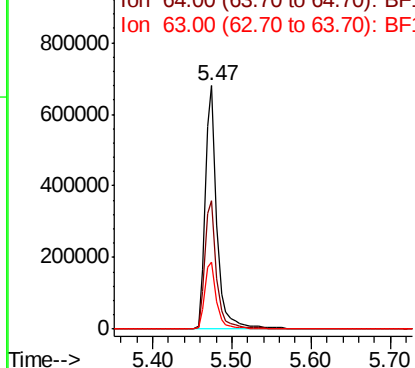


Abundance

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: 101.782 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Instrument :

BNA_F

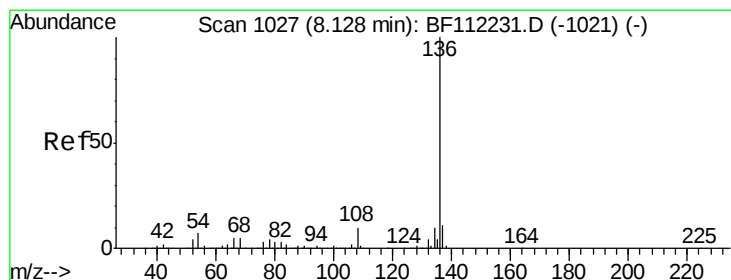
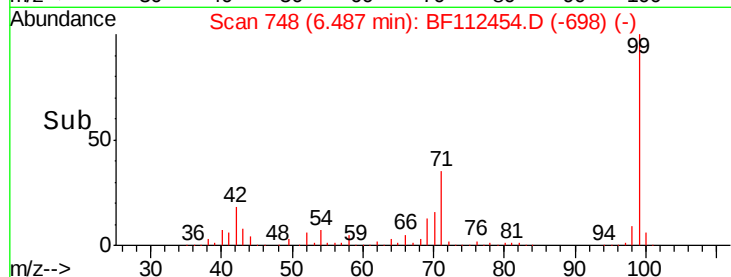
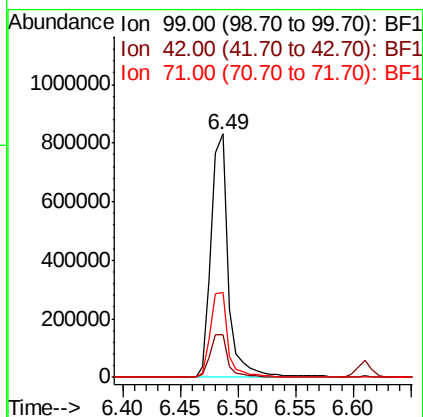
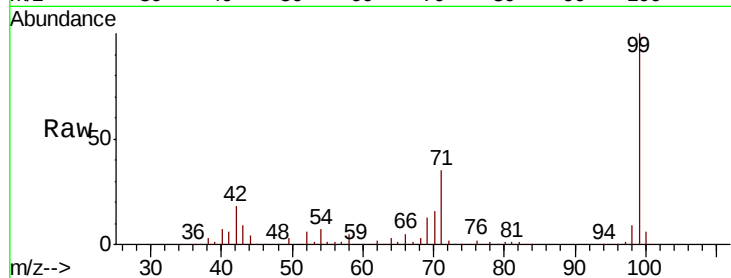
ClientSampled :

23935

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		872117		
42	17.7	15.1	22.7		
71	34.9	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

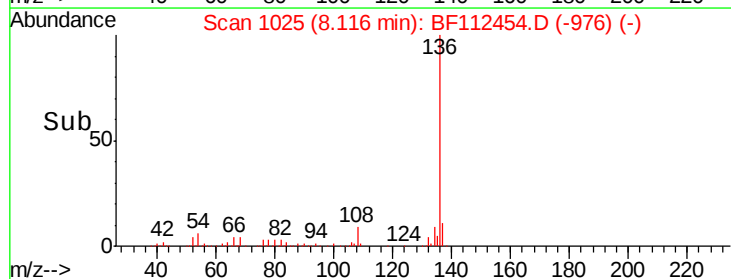
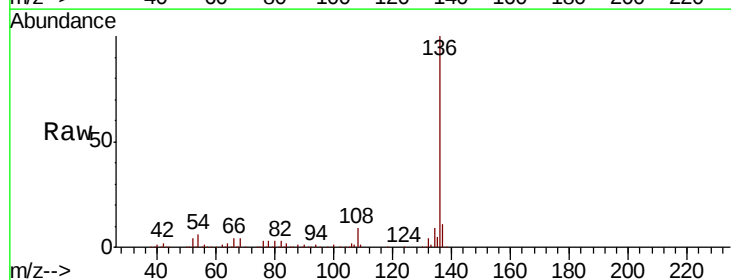
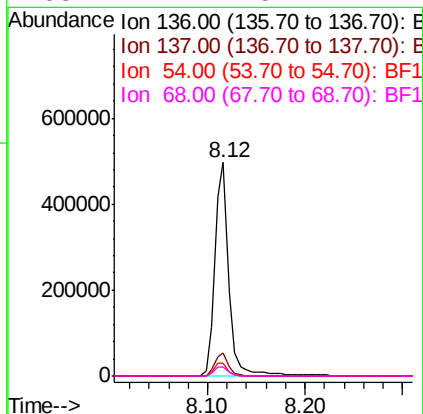
RT: 8.12 min Scan# 1025

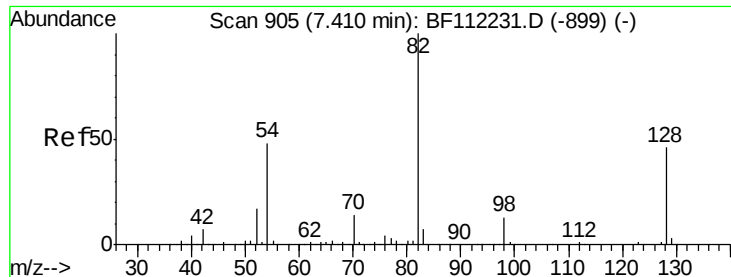
Delta R.T. -0.01 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		492035		
137	10.7	9.1	13.7		
54	6.0	5.9	8.9		
68	4.2	5.1	7.7#		





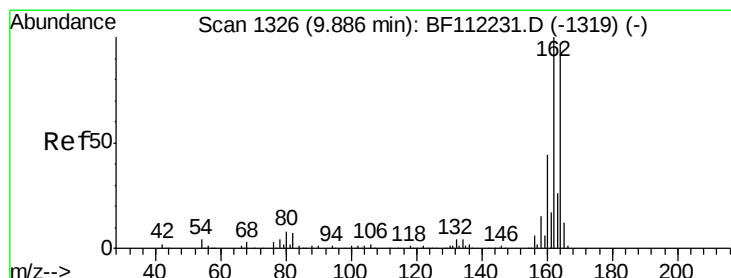
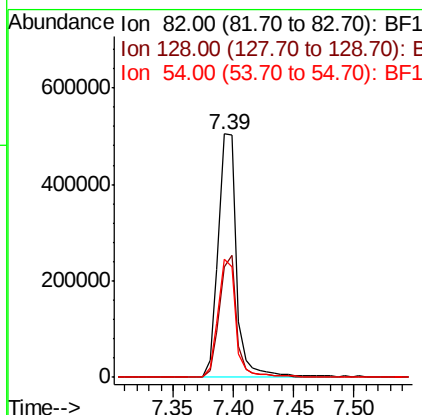
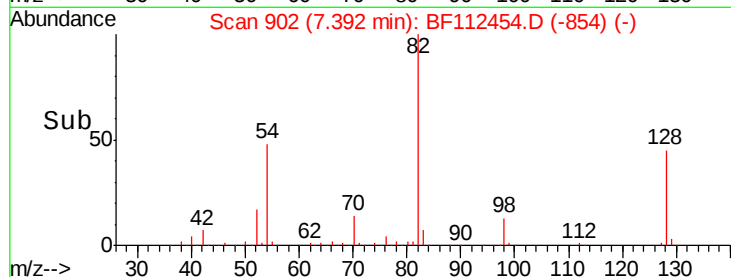
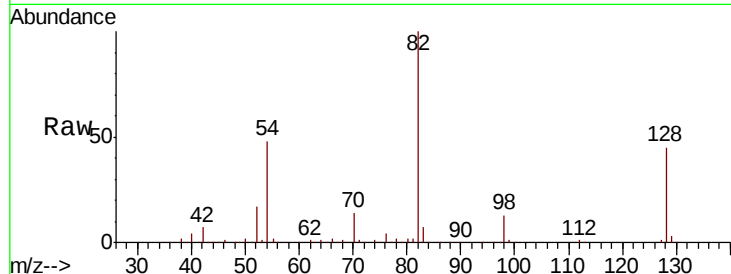
#23
Nitrobenzene-d5
Concen: 62.283 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Instrument :
BNA_F
ClientSampled :
23935

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.8	56.8
54	48.5	39.7	59.5

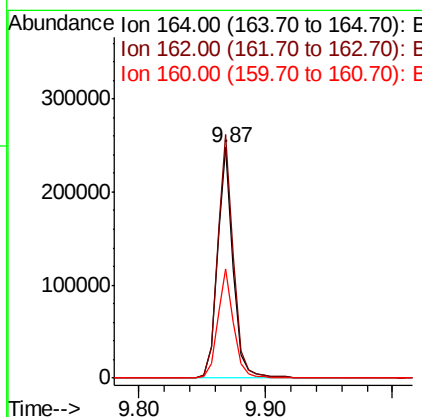
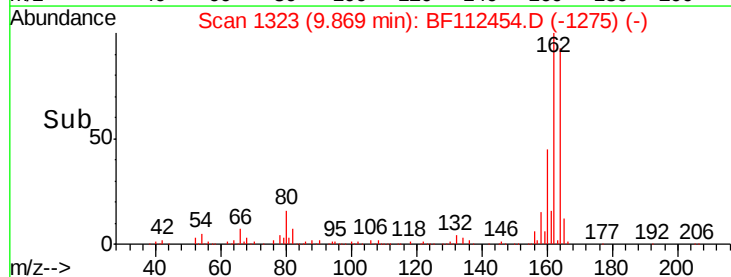
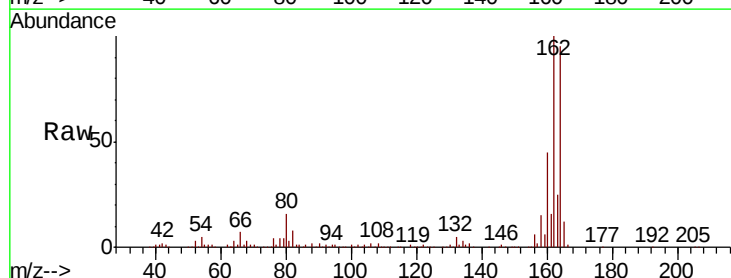
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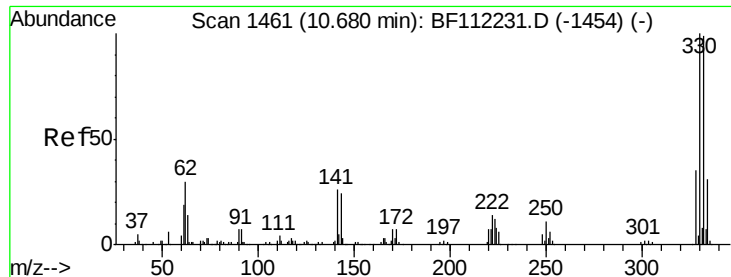
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	82.2	123.4
160	47.3	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 77.027 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Instrument :

BNA_F

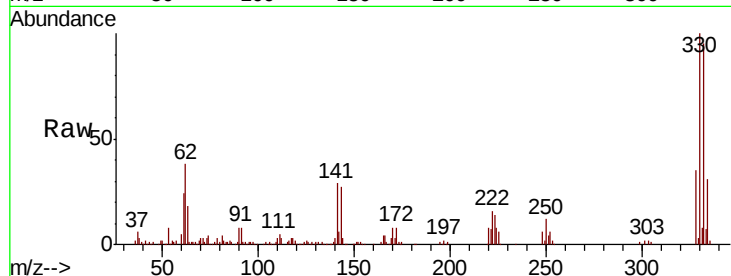
ClientSampled :

23935

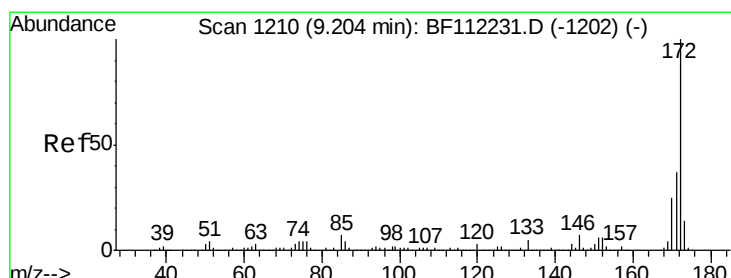
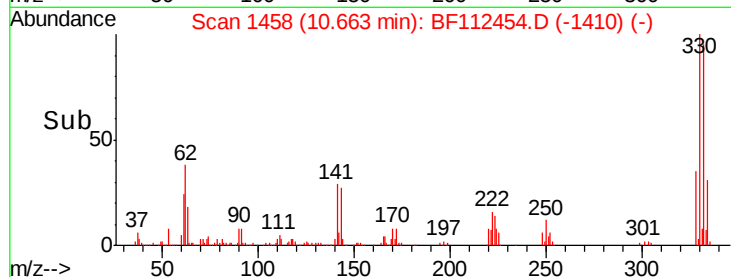
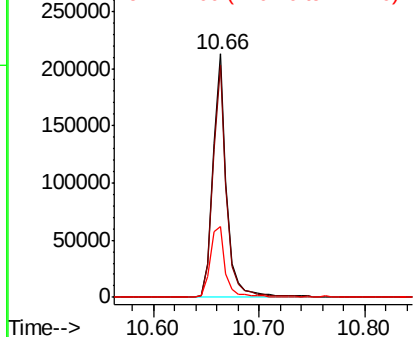
Tot Ion:	330	Resp:	193878
Ion Ratio	Lower	Upper	
330	100		
332	95.6	76.6	114.8
141	33.0	24.3	36.5

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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: 55.413 ng

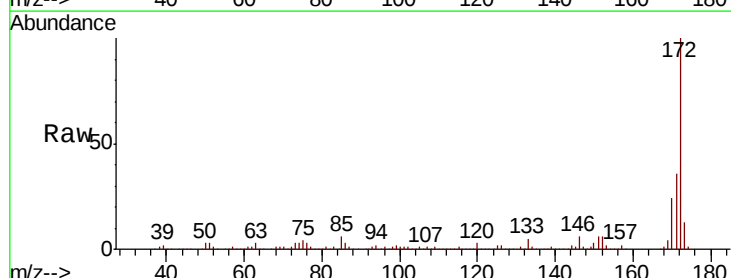
RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

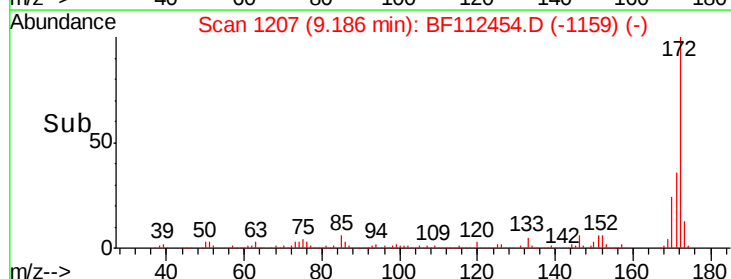
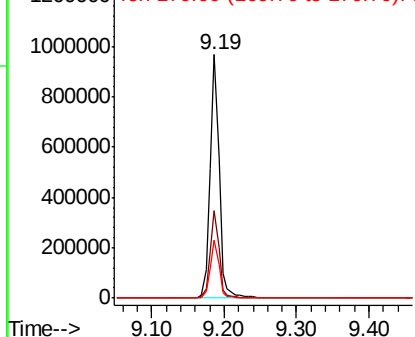
Lab File: BF112454.D

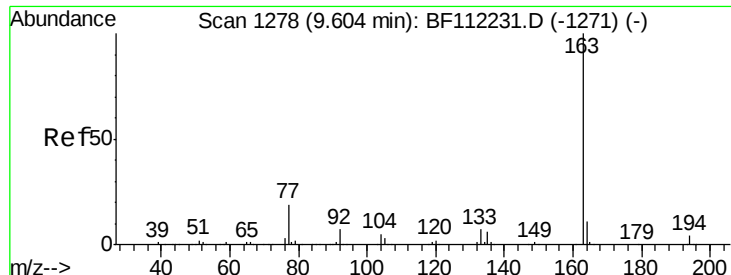
Acq: 7 Feb 2019 22:32

Tgt Ion:	172	Resp:	847234
Ion Ratio	Lower	Upper	
172	100		
171	36.1	30.5	45.7
170	23.8	20.2	30.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





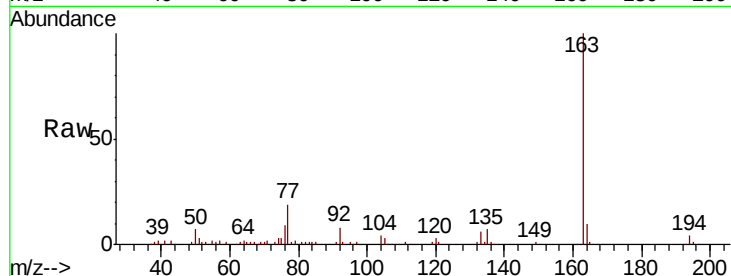
#50
Dimethylphthalate
Concen: 5.066 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Instrument :
BNA_F
ClientSampleId :
23935

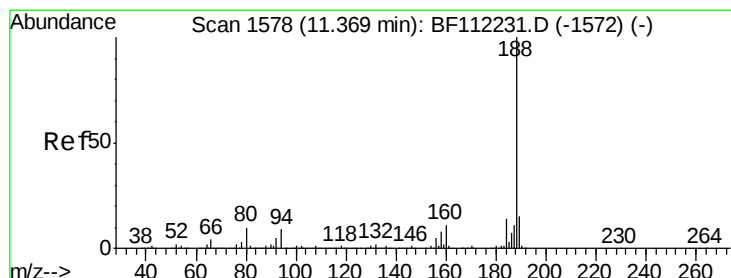
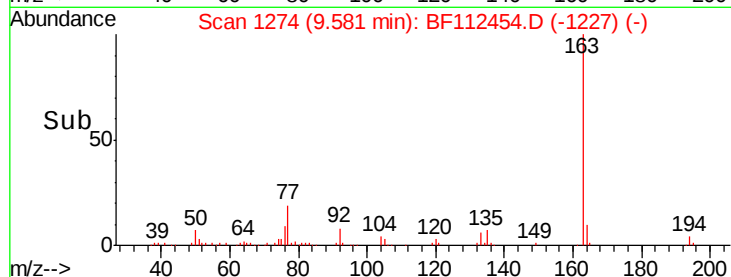
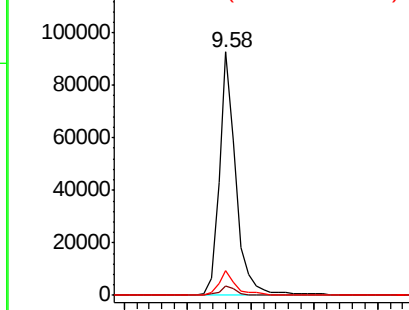
Tot Ion:	163	Resp:	85116
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.3	4.9
164	10.0	8.5	12.7

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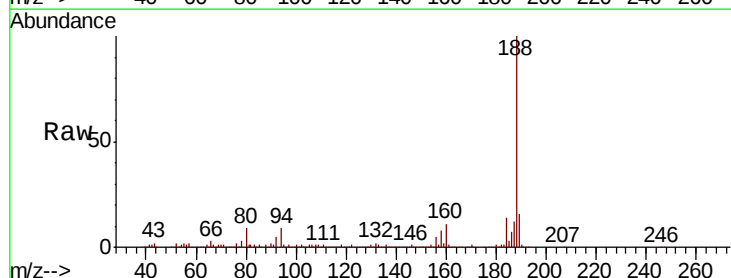


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

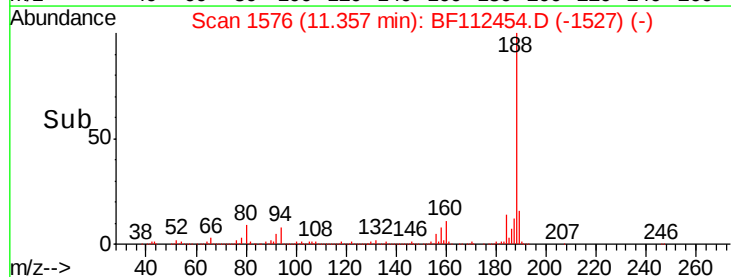
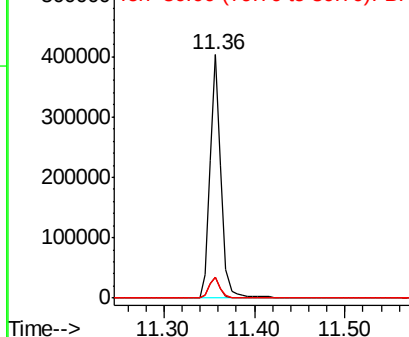


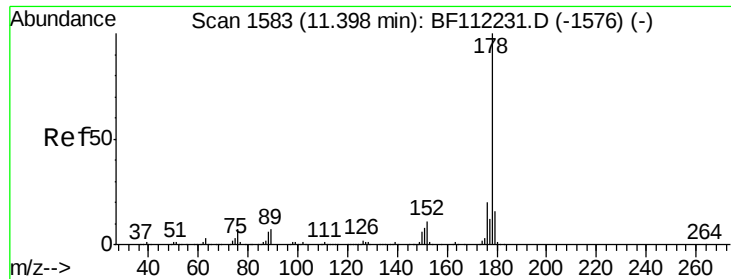
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Tgt Ion:	188	Resp:	343749
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.2	12.2
80	8.8	8.9	13.3#



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





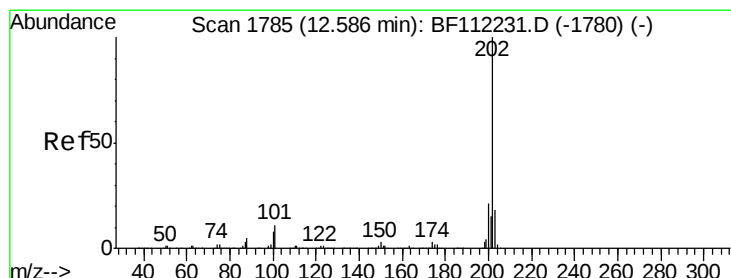
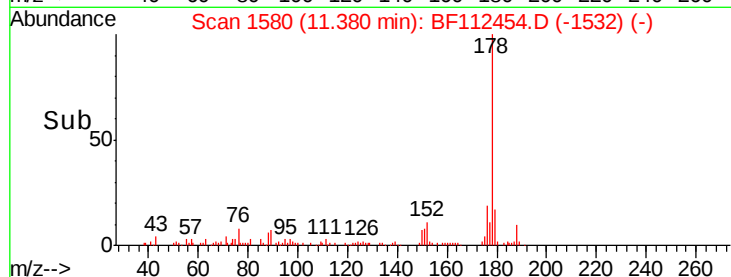
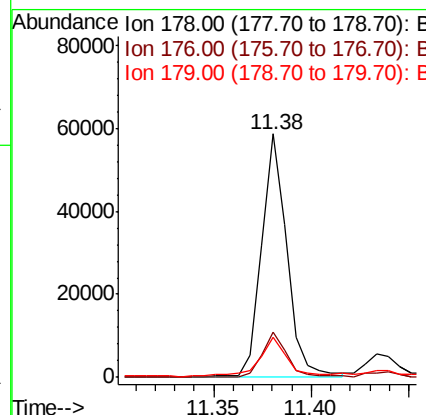
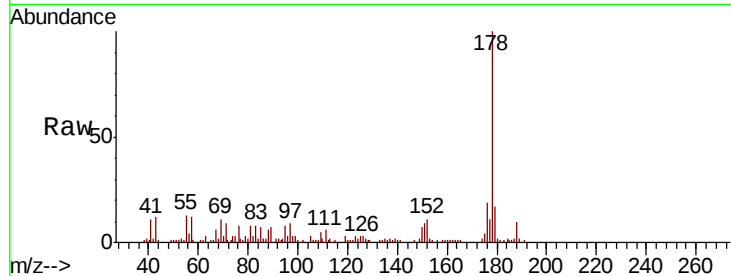
#71
Phenanthrene
Concen: 2.966 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Instrument :
BNA_F
ClientSampleId :
23935

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.3	24.5
179	16.7	13.0	19.4

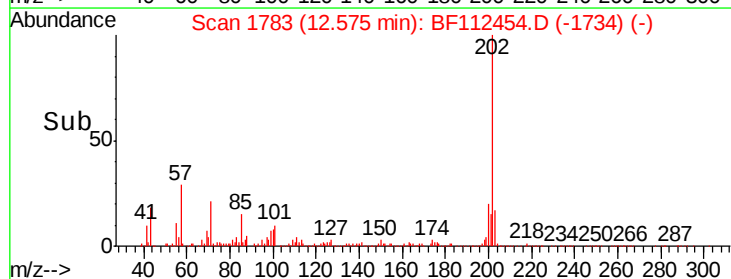
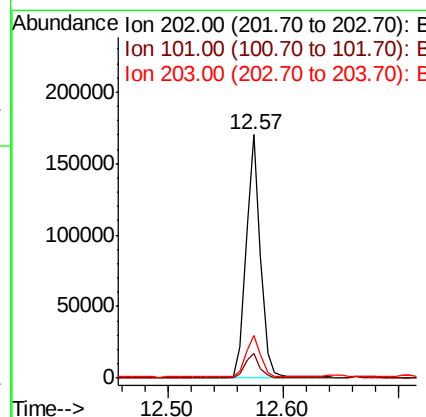
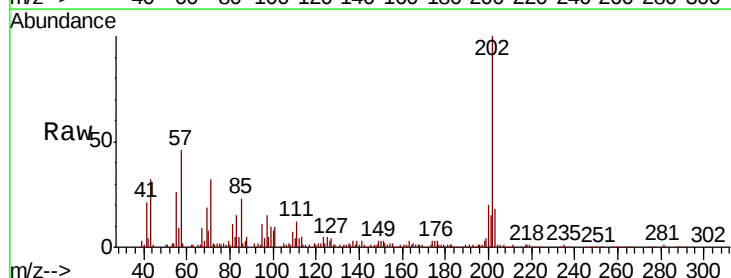
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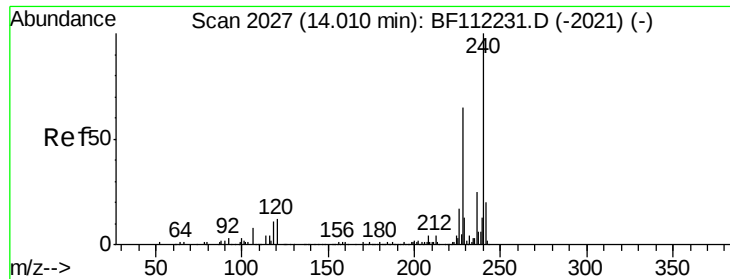
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#75
Fluoranthene
Concen: 7.738 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.8
203	17.6	0.0	38.4





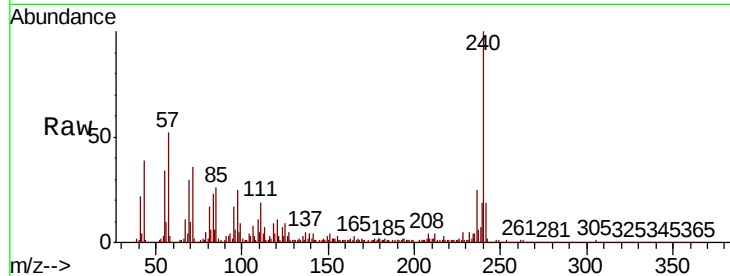
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Instrument :
BNA_F
ClientSampled :
23935

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.0	9.0	13.6
236	25.2	20.7	31.1

Manual Integrations
APPROVED

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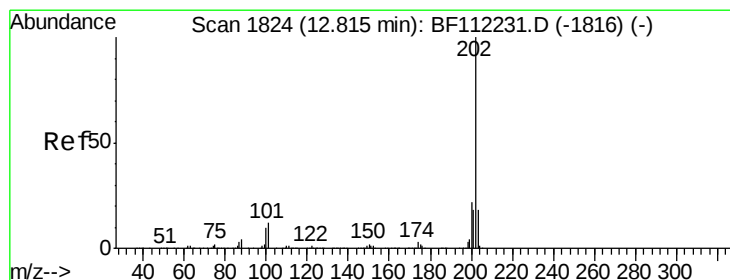
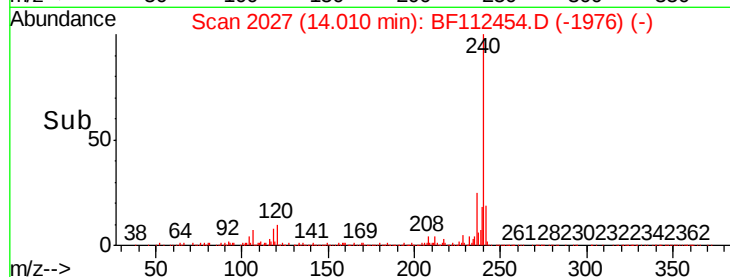
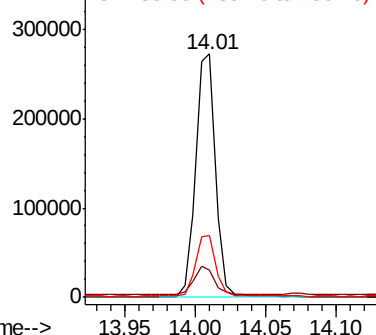


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 6.409 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

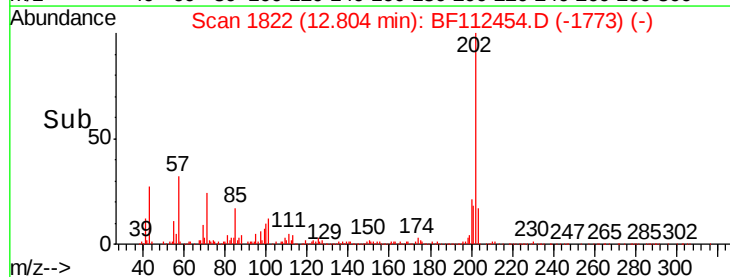
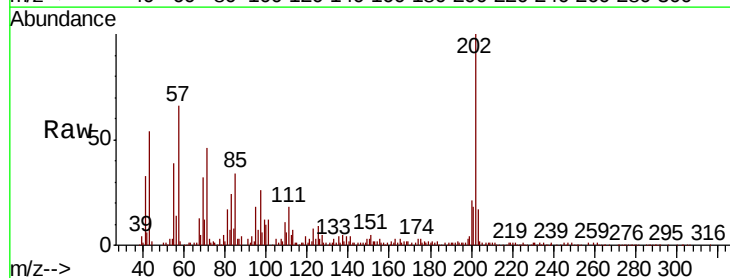
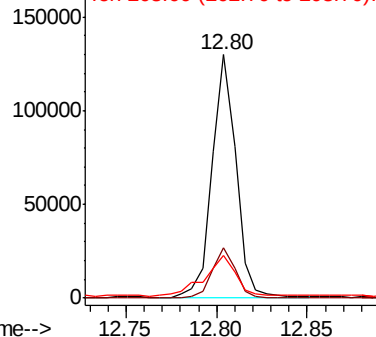
Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.7	26.5
203	17.4	14.6	22.0

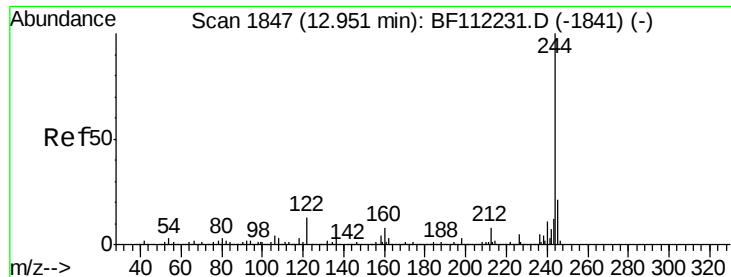
Abundance

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





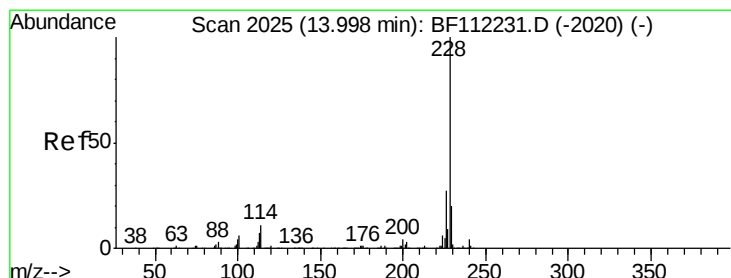
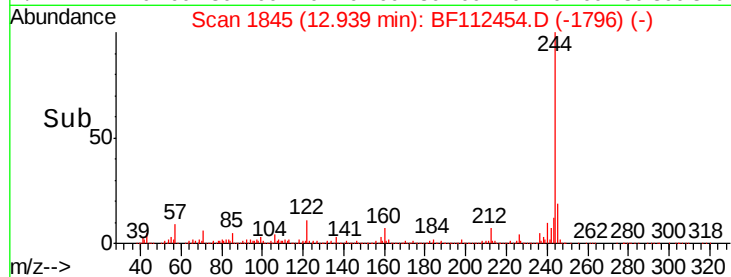
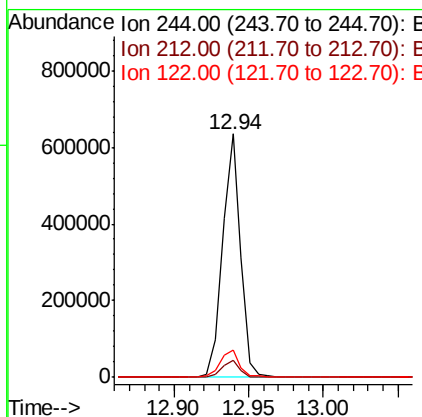
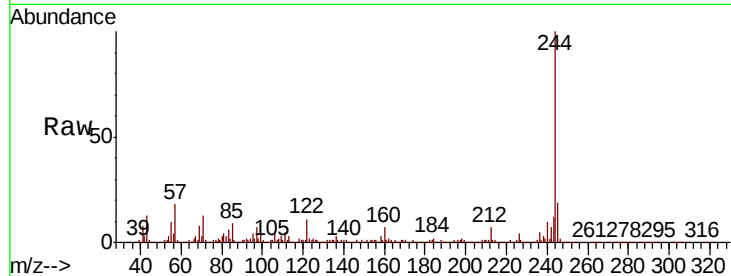
#79
 Terphenyl-d14
 Concen: 37.991 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112454.D
 Acq: 7 Feb 2019 22:32

Instrument :
 BNA_F
 ClientSampleId :
 23935

Tot Ion:	244	Resp:	538984
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.9	8.9
122	11.2	9.8	14.6

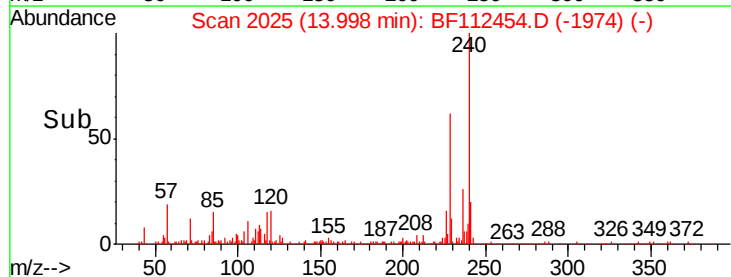
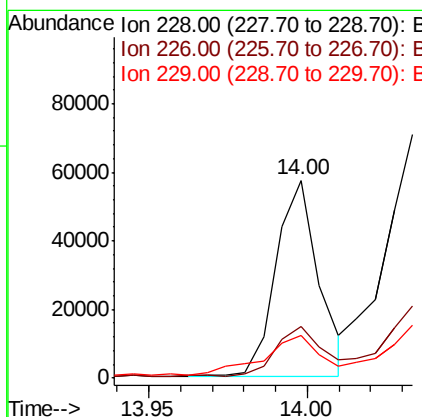
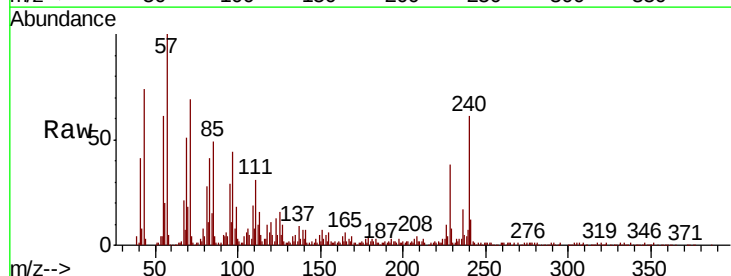
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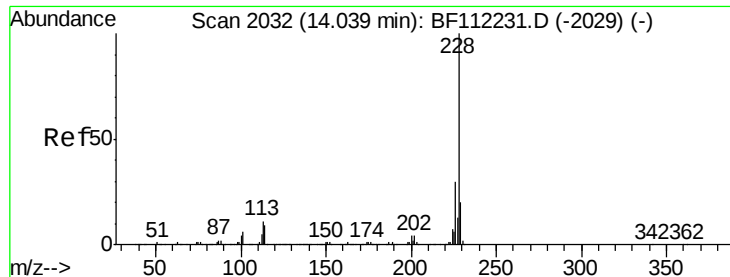
Sohil
 2/11/2019 4:50:10 PM



#81
 Benzo(a)anthracene
 Concen: 3.452 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF112454.D
 Acq: 7 Feb 2019 22:32

Tgt Ion:	228	Resp:	54227
Ion Ratio		Lower	Upper
228	100		
226	26.0	22.6	34.0
229	21.5	16.5	24.7





#83

Chrysene

Concen: 4.988 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Instrument :

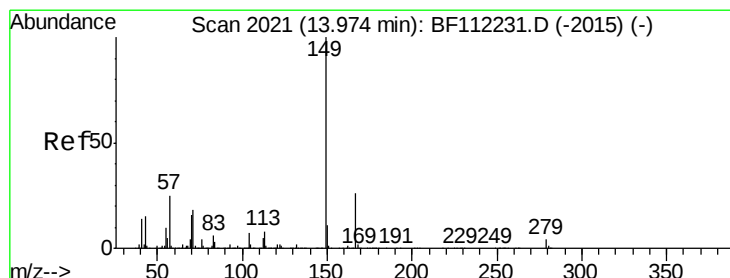
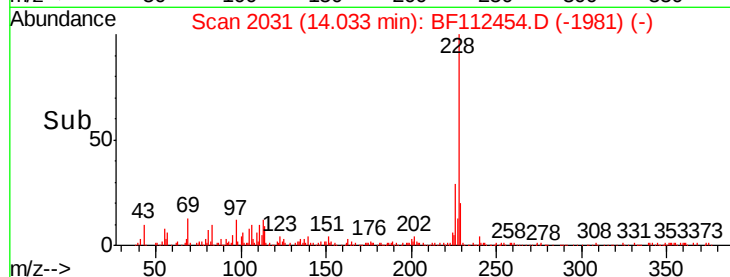
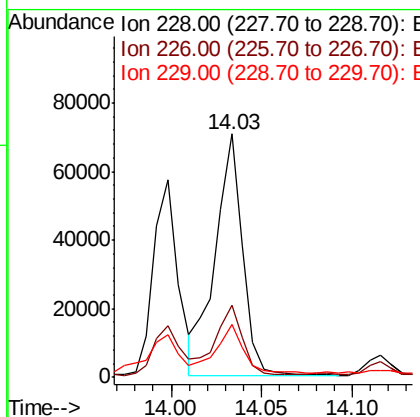
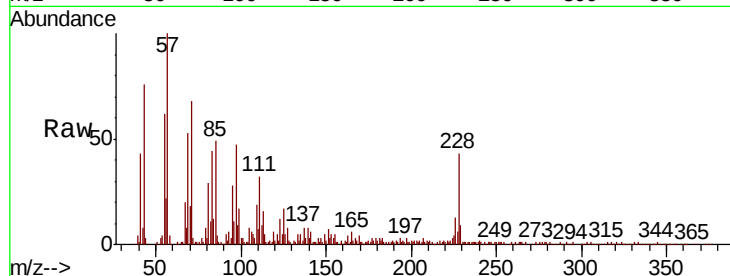
BNA_F

ClientSampleId :
23935

Tot Ion:	228	Resp:	74791
Ion Ratio	Lower	Upper	
228	100		
226	29.5	25.0	37.6
229	21.6	16.6	24.8

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2/11/2019 4:50:10 PM



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.656 ng

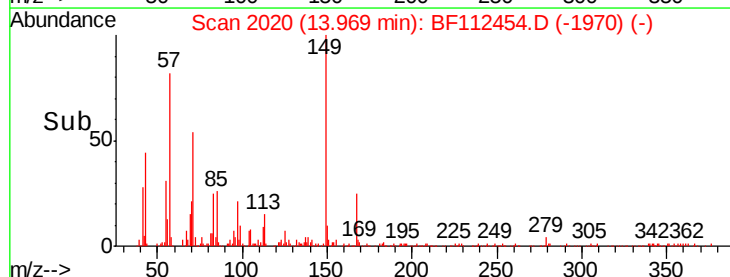
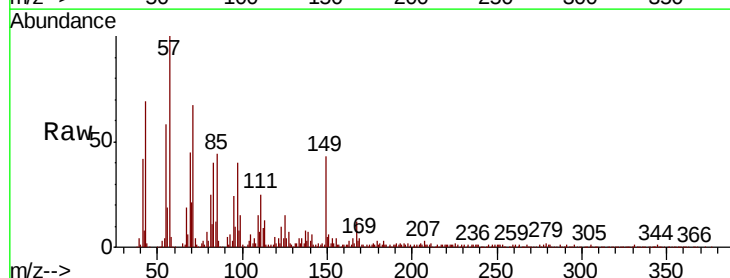
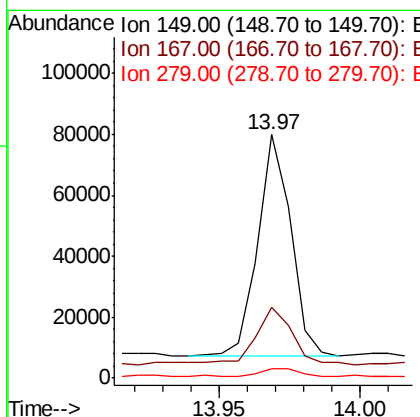
RT: 13.97 min Scan# 2020

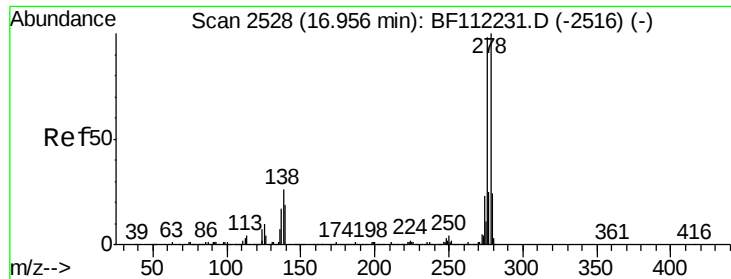
Delta R.T. -0.01 min

Lab File: BF112454.D

Acq: 7 Feb 2019 22:32

Tgt Ion:	149	Resp:	59151
Ion Ratio	Lower	Upper	
149	100		
167	29.0	22.5	33.7
279	4.0	3.8	5.6





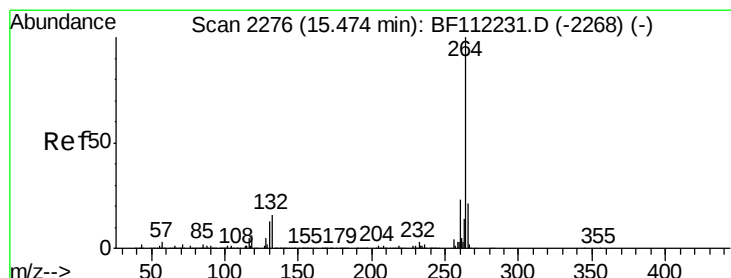
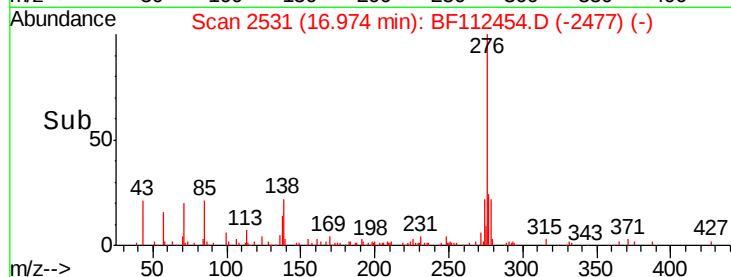
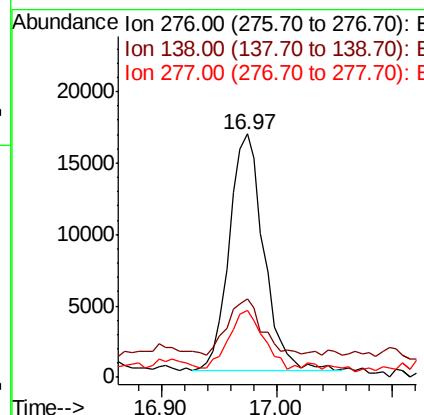
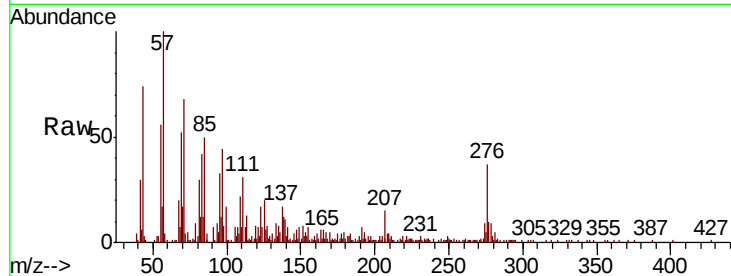
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.892 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Instrument :
BNA_F
ClientSampleId :
23935

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	22.6	34.0
277	24.3	20.3	30.5

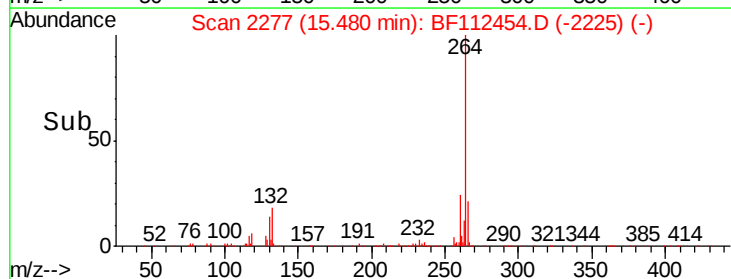
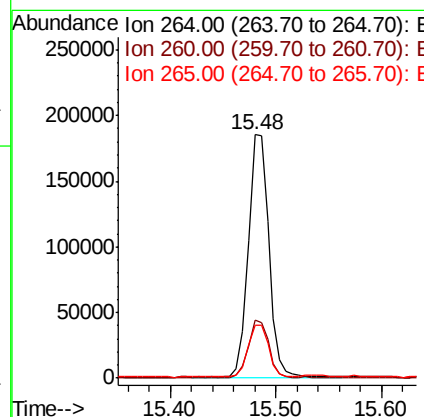
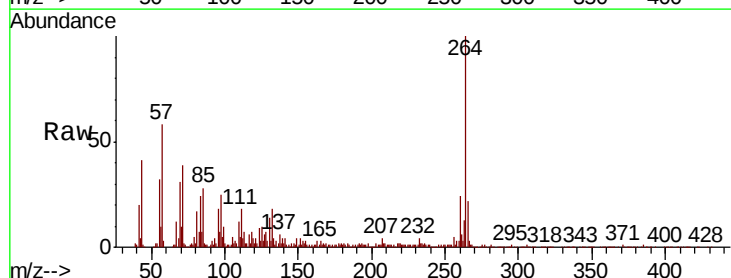
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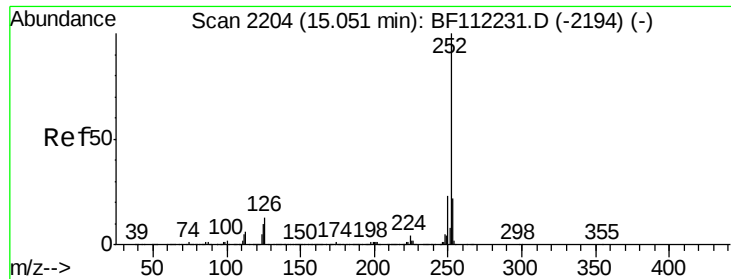
Sohil
2/11/2019 4:50:10 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	21.9	17.0	25.4





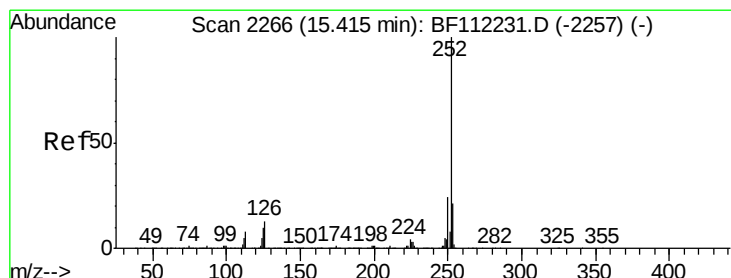
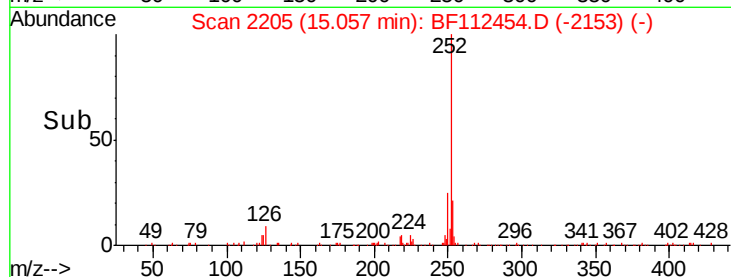
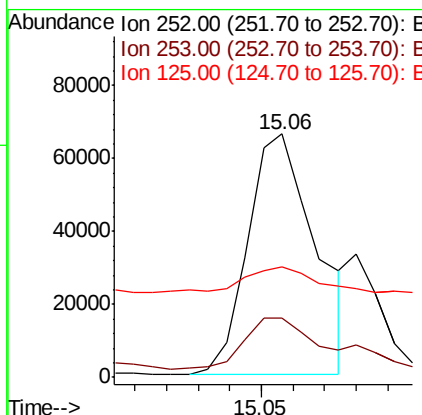
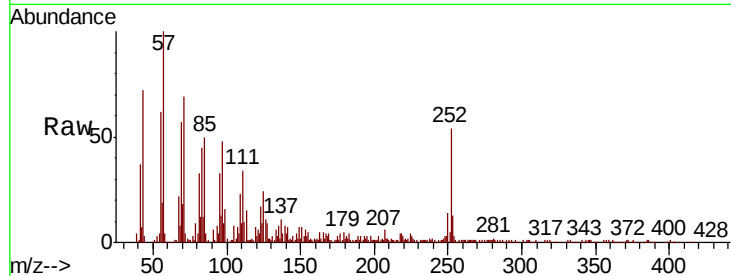
#88
Benzo(b)fluoranthene
Concen: 6.592 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Instrument :
BNA_F
ClientSampled :
23935

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	45.6	8.7	13.1

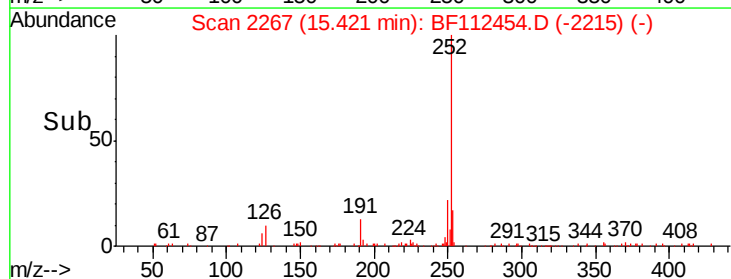
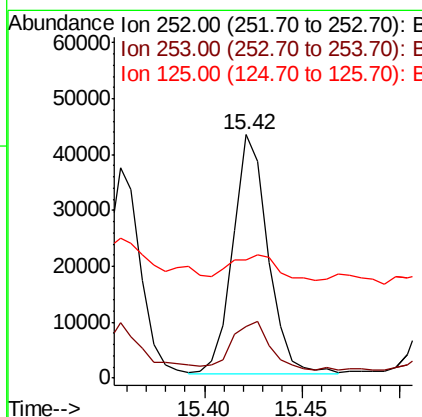
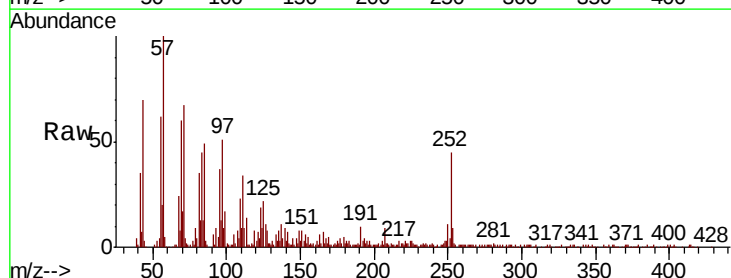
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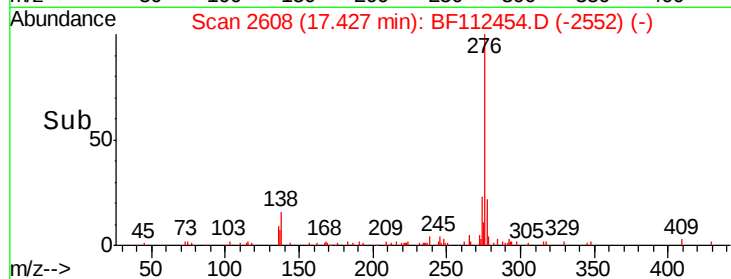
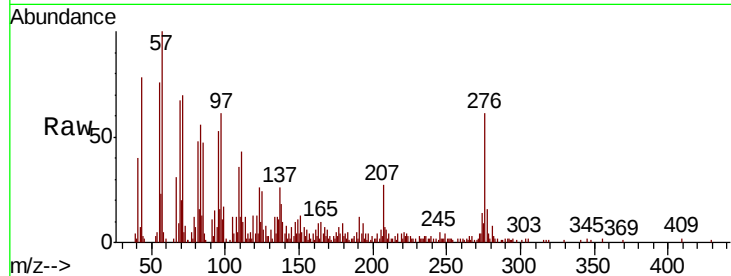
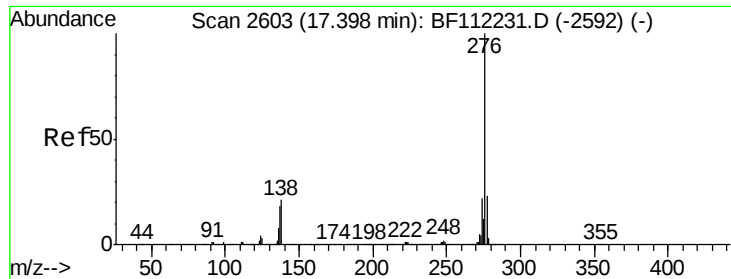
Sohil
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#90
Benzo(a)pyrene
Concen: 3.999 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF112454.D
Acq: 7 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	48.5	9.0	13.4





#92
 Benzo(a,h,i)perylene
 Concen: 3.370 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.03 min
 Lab File: BF112454.D
 Acq: 7 Feb 2019 22:32

Instrument :
 BNA_F
 ClientSampleId :
 23935

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.4	29.0
138	29.2	19.1	28.7

Manual Integrations
 APPROVED

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