

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\
 Data File : BF112597.D
 Acq On : 18 Feb 2019 13:31
 Operator : JU/SJ
 Sample : K1490-01 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-214

Manual Integrations
 APPROVED

Sohil
 2/19/2019 9:38:34 AM

Quant Time: Feb 18 14:33:25 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	6.82	152	91993	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	360642	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	167244	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	292765	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	231742	20.00	ng	-0.01
87) Perylene-d12	15.47	264	249560	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	325074	75.06	ng	-0.02
7) Phenol-d6	6.47	99	415625	69.06	ng	-0.02
23) Nitrobenzene-d5	7.39	82	256127	40.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	104328	53.59	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	388404	32.85	ng	-0.03
79) Terphenyl-d14	12.93	244	320832	26.08	ng	-0.02
Target Compounds						
71) Phenanthrene	11.37	178	88634	5.823	ng	99
75) Fluoranthene	12.57	202	145540	8.915	ng	95
78) Pyrene	12.80	202	132973	8.288	ng	97
81) Benzo(a)anthracene	13.99	228	92314	6.776	ng	97
83) Chrysene	14.02	228	87855	6.756	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	67098	6.512	ng	# 90
88) Benzo(b)fluoranthene	15.04	252	131900m	8.838	ng	
89) Benzo(k)fluoranthene	15.07	252	40979m	2.866	ng	
90) Benzo(a)pyrene	15.42	252	92805	6.911	ng	96
92) Benzo(g,h,i)perylene	17.43	276	64867	6.353	ng	97

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

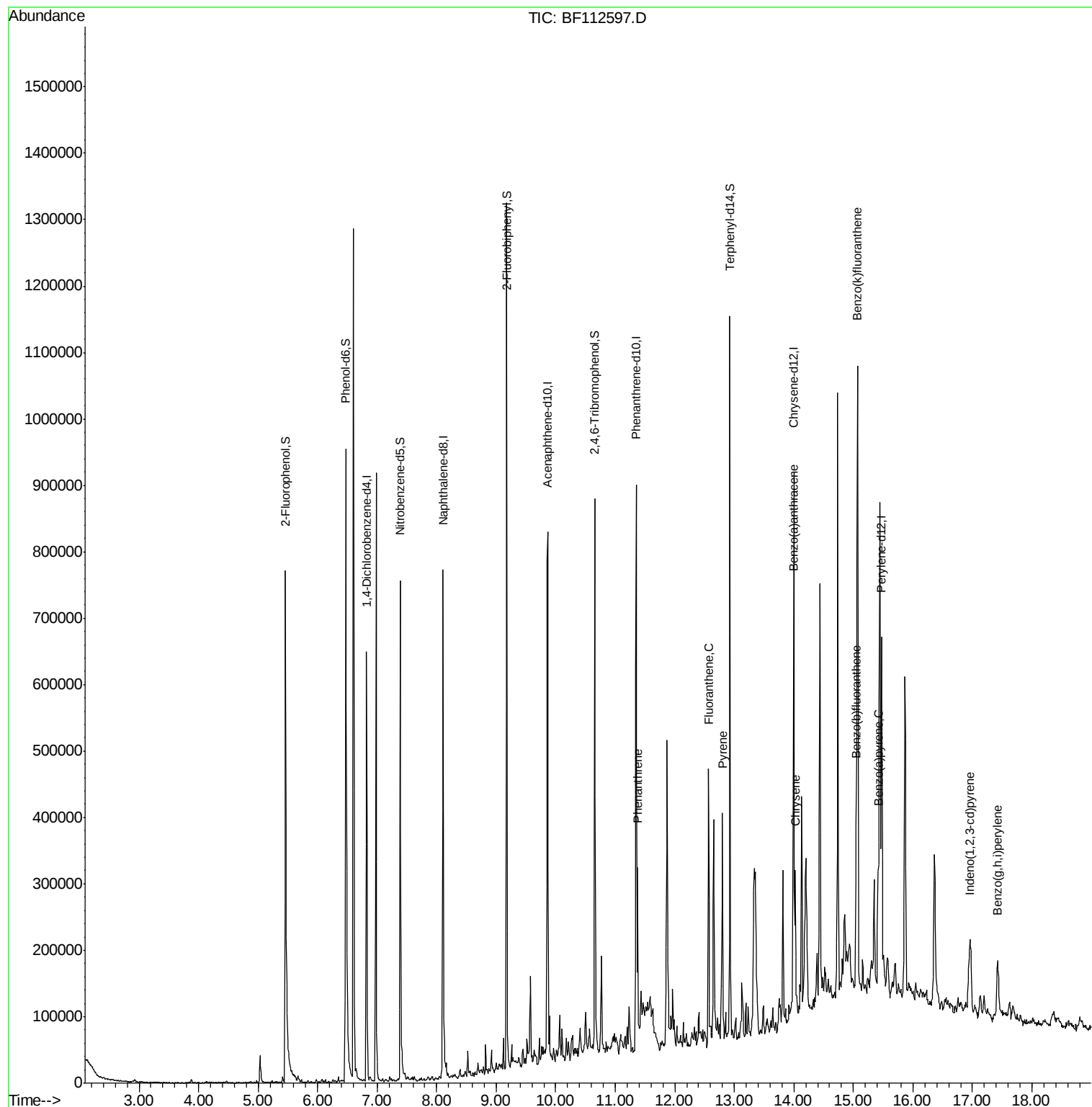
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\
Data File : BF112597.D
Acq On : 18 Feb 2019 13:31
Operator : JU/SJ
Sample : K1490-01 2X
Misc :
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#1

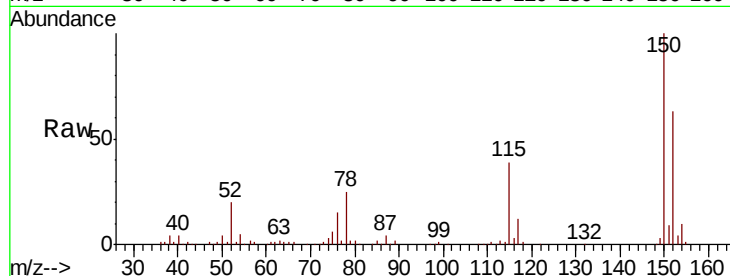
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Instrument :
BNA_F
ClientSampleId :
TP-1-214

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	127.4	191.0
115	62.5	45.5	68.3

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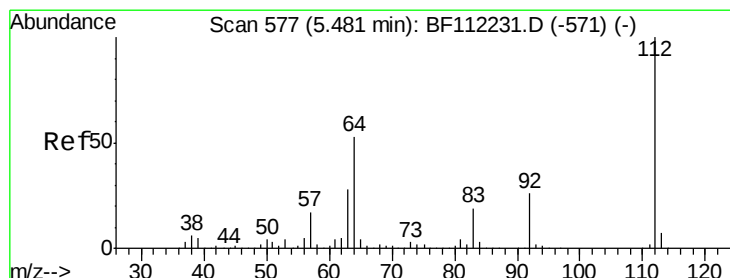
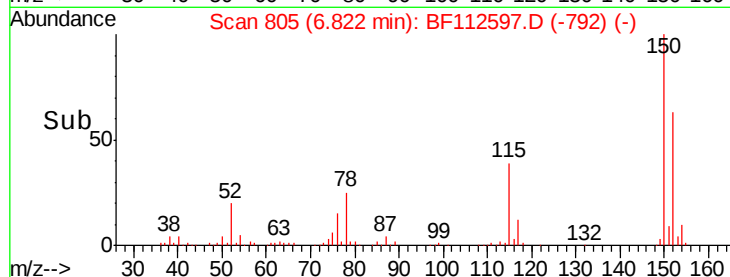
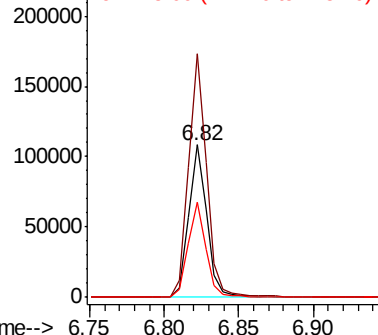


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

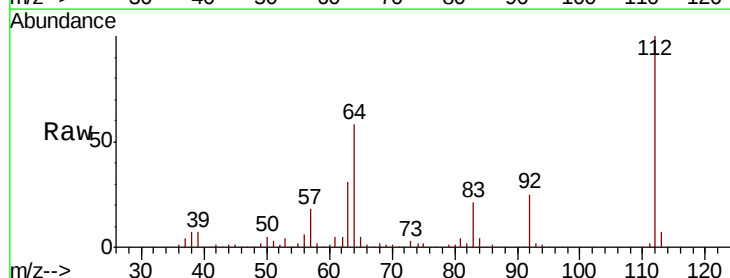
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 75.058 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	45.7	68.5
63	31.3	23.6	35.4

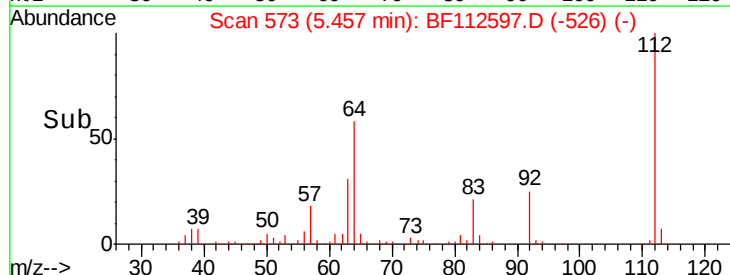
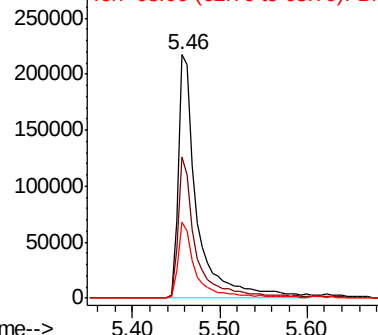


Abundance

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: 69.062 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Instrument :

BNA_F

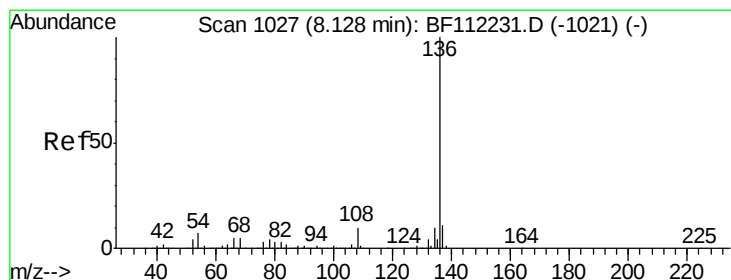
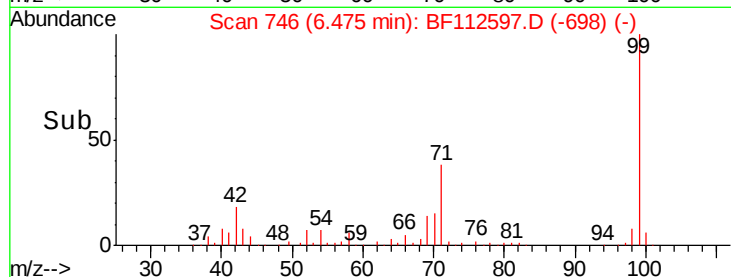
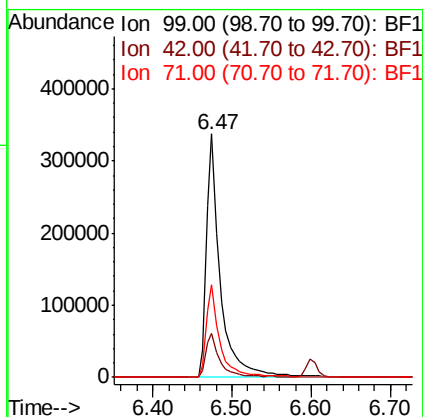
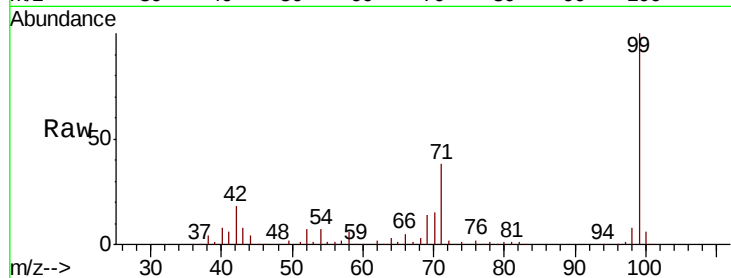
ClientSampled :

TP-1-214

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		415625		
42	18.2	15.1	22.7		
71	38.0	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

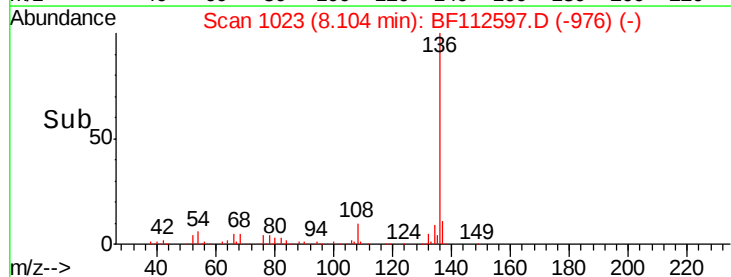
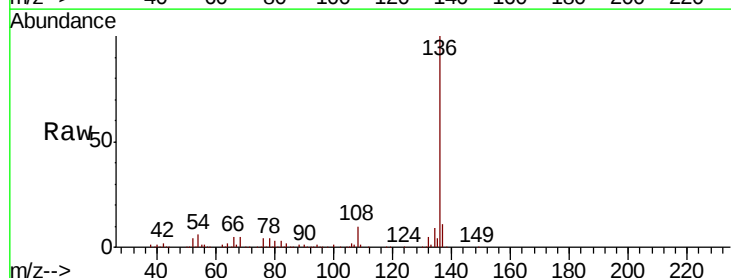
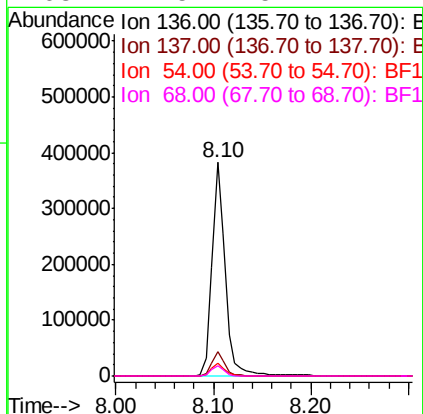
RT: 8.10 min Scan# 1023

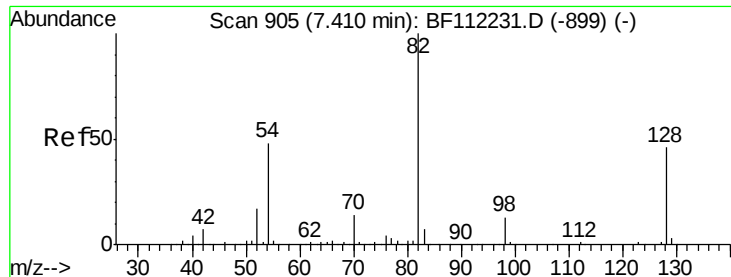
Delta R.T. -0.02 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		360642		
137	11.4	9.1	13.7		
54	6.2	5.9	8.9		
68	4.5	5.1	7.7#		





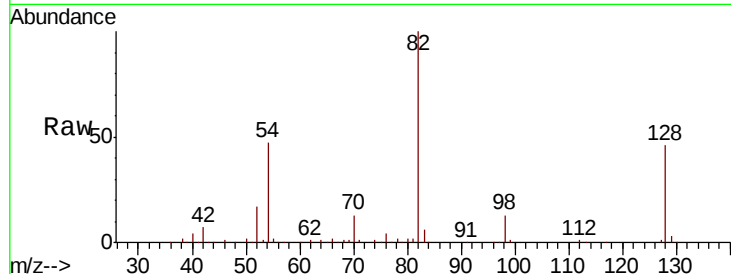
#23
 Nitrobenzene-d5
 Concen: 40.921 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: BF112597.D
 Acq: 18 Feb 2019 13:31

Instrument :
 BNA_F
 ClientSampled :
 TP-1-214

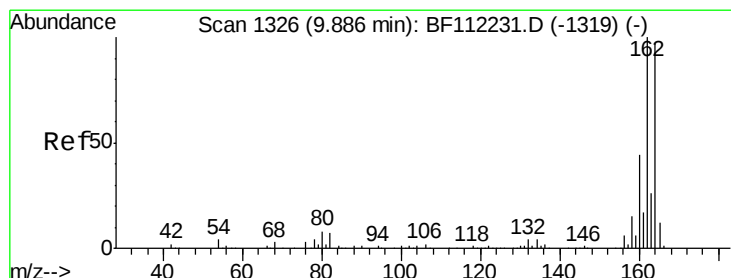
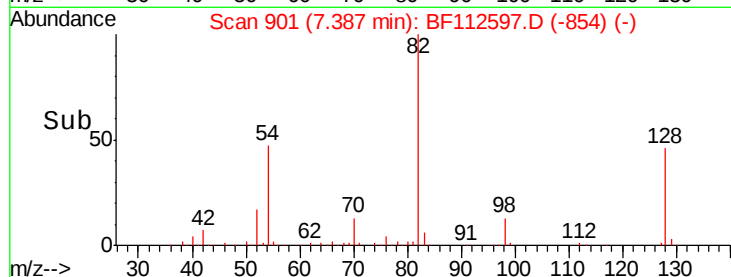
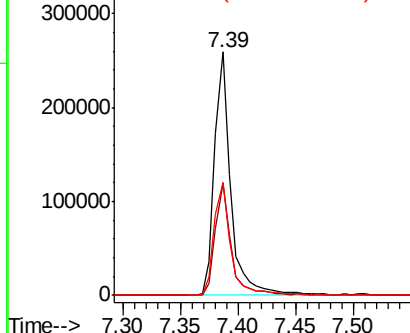
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.8	56.8
54	46.6	39.7	59.5

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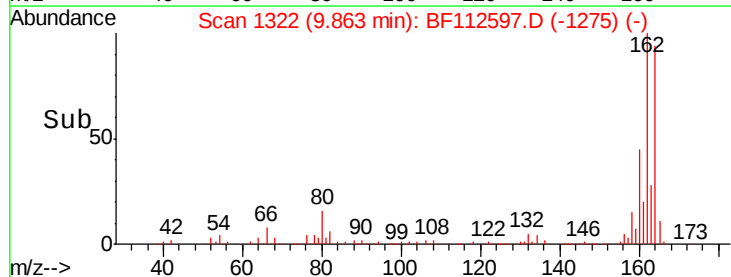
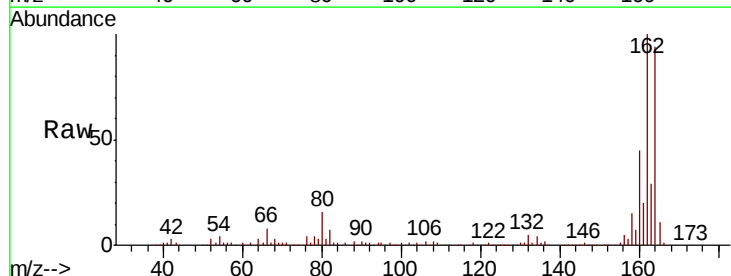
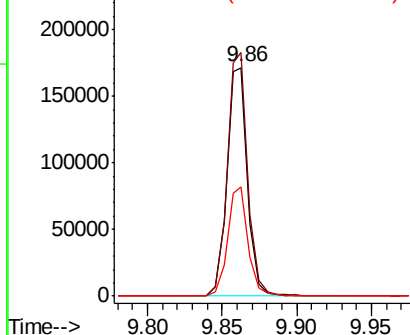
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

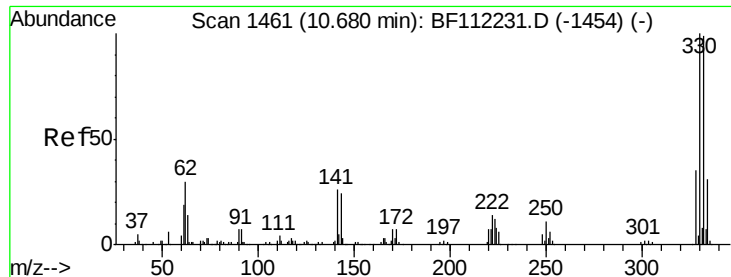


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: BF112597.D
 Acq: 18 Feb 2019 13:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	82.2	123.4
160	47.6	36.2	54.4

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: 53.593 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Instrument :

BNA_F

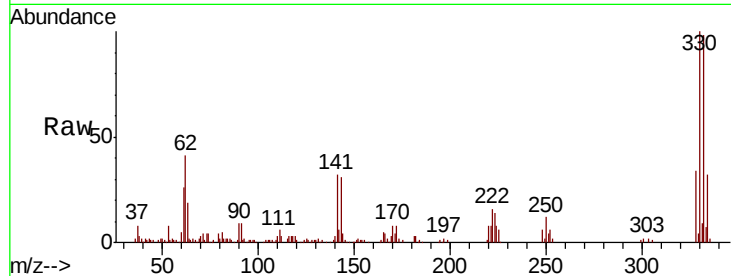
ClientSampled :

TP-1-214

Tot Ion:	330	Resp:	104328
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.6	114.8
141	36.1	24.3	36.5

Manual Integrations
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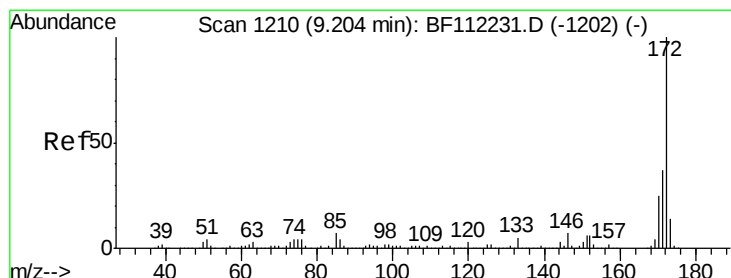
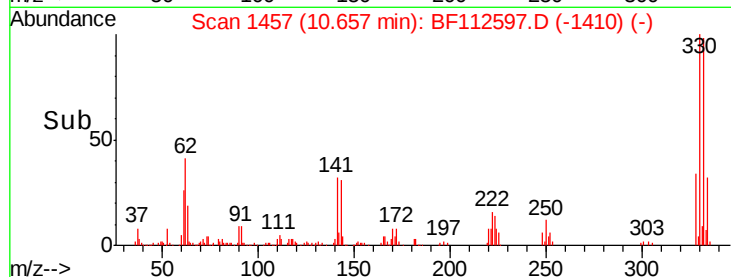
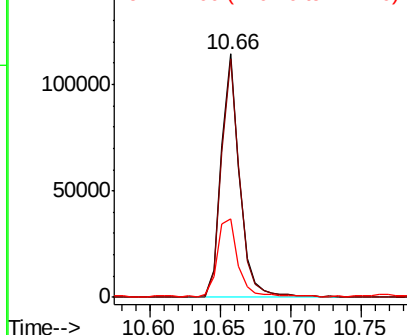


Abundance

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: 32.846 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

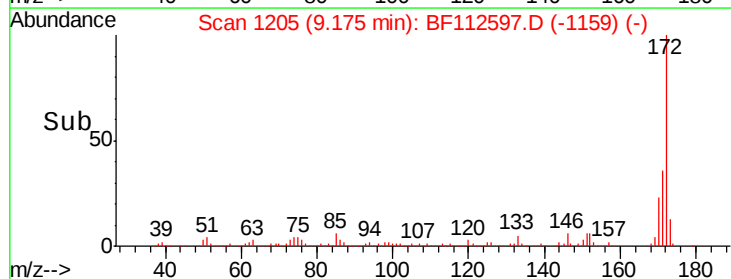
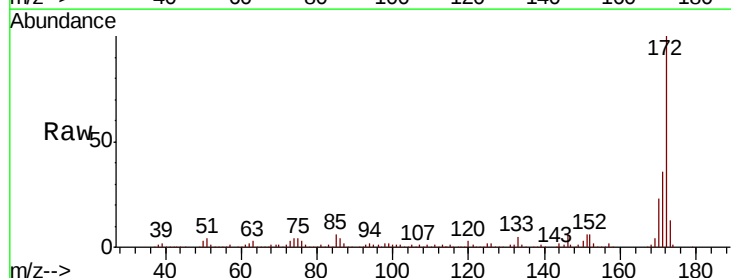
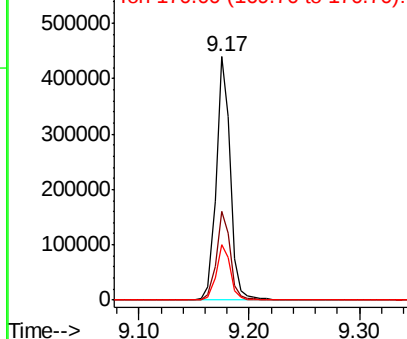
Tgt Ion:	172	Resp:	388404
Ion Ratio	Lower	Upper	
172	100		
171	36.5	30.5	45.7
170	22.7	20.2	30.4

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Instrument :

BNA_F

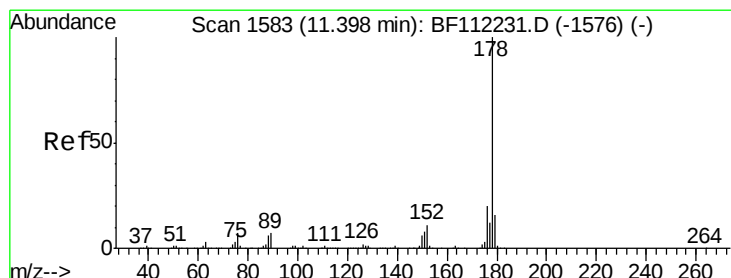
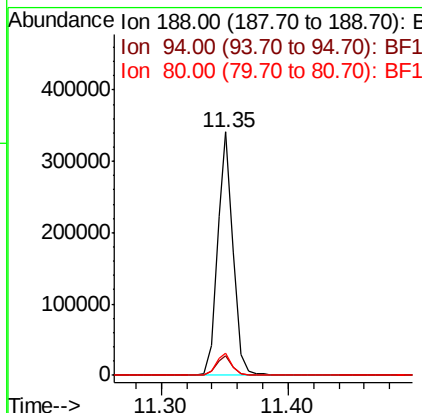
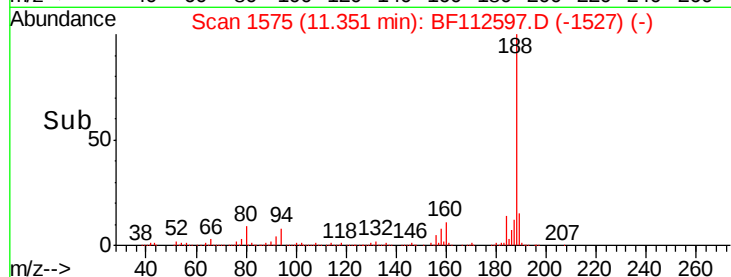
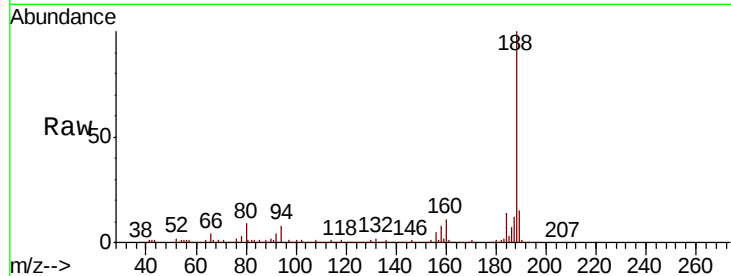
ClientSampled :

TP-1-214

Tot Ion:	188	Resp:	292765
Ion Ratio	Lower	Upper	
188	100		
94	8.2	8.2	12.2#
80	9.1	8.9	13.3

Manual Integrations
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#71

Phenanthrene

Concen: 5.823 ng

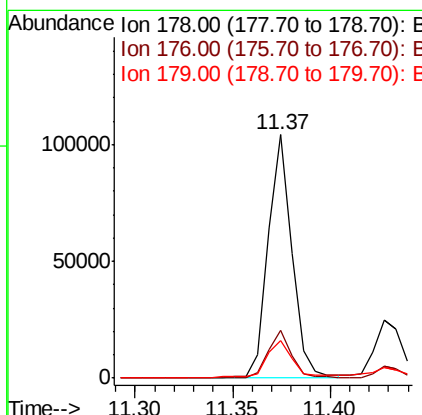
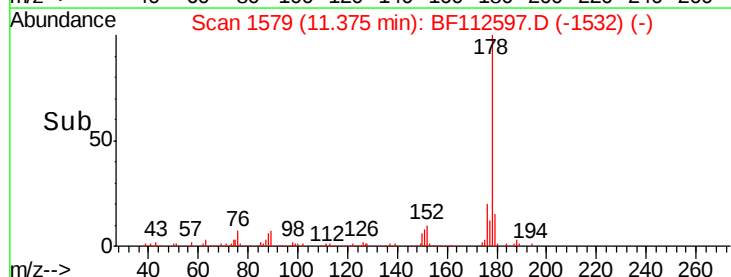
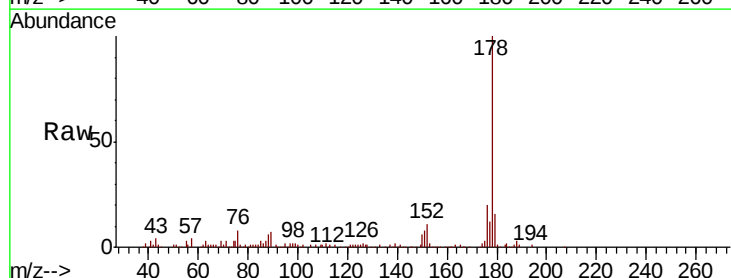
RT: 11.37 min Scan# 1579

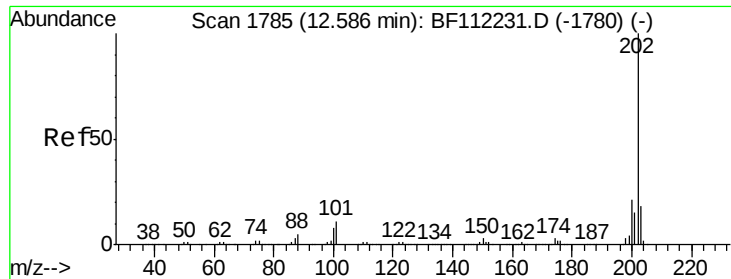
Delta R.T. -0.02 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Tgt Ion:	178	Resp:	88634
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.3	24.5
179	15.6	13.0	19.4





#75

Fluoranthene

Concen: 8.915 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Instrument :

BNA_F

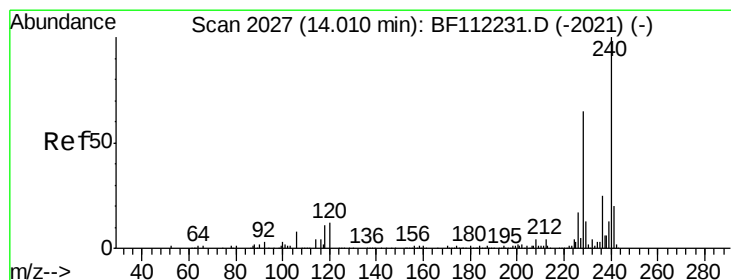
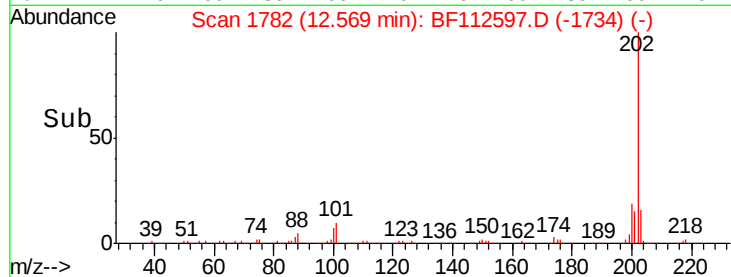
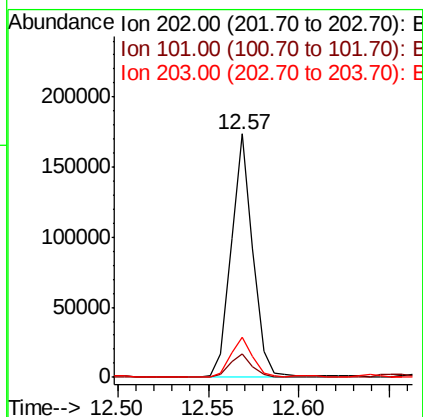
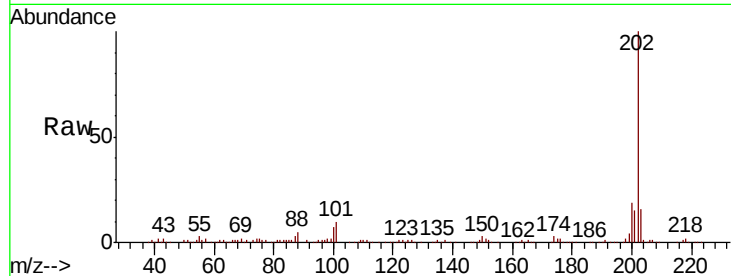
ClientSampleId :

TP-1-214

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.8	0.0	31.8
203	16.4	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

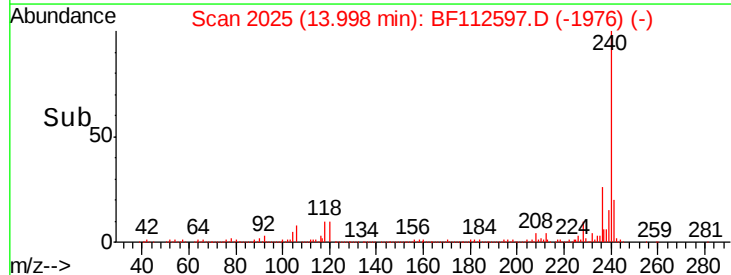
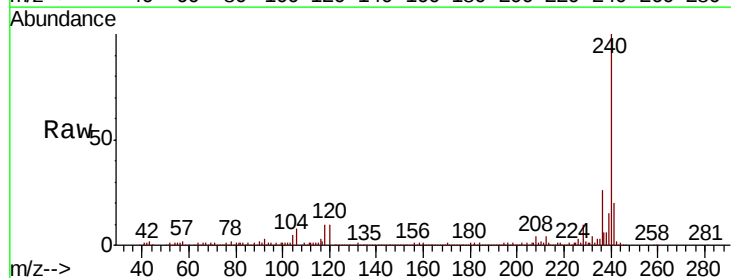
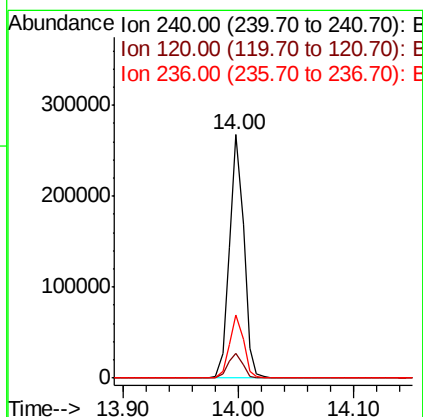
RT: 14.00 min Scan# 2025

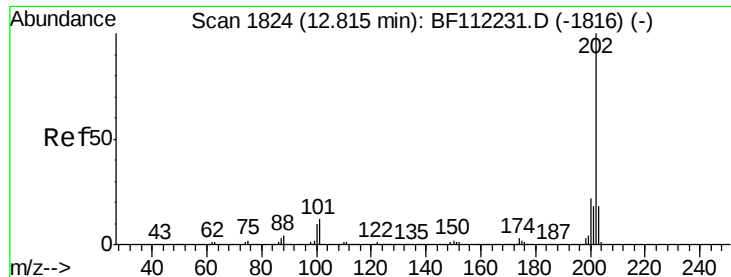
Delta R.T. -0.01 min

Lab File: BF112597.D

Acq: 18 Feb 2019 13:31

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.4	9.0	13.6
236	25.9	20.7	31.1





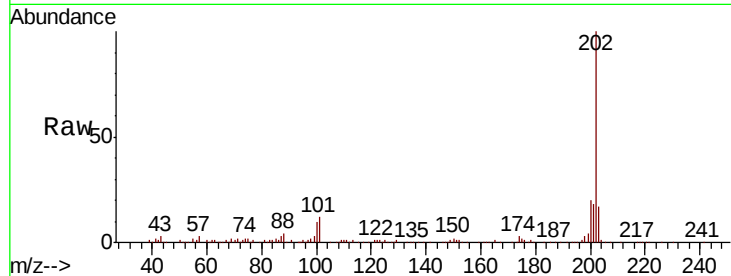
#78
Pvrene
Concen: 8.288 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Instrument :
BNA_F
ClientSampleId :
TP-1-214

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	17.7	26.5
203	17.4	14.6	22.0

Manual Integrations
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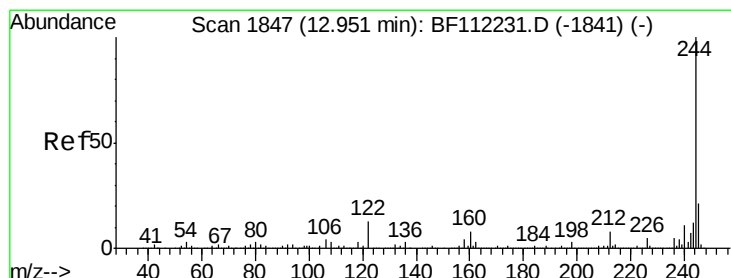
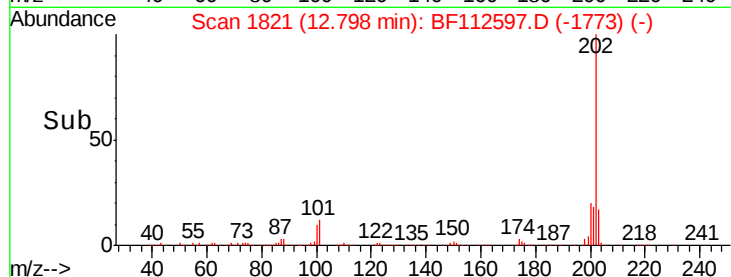
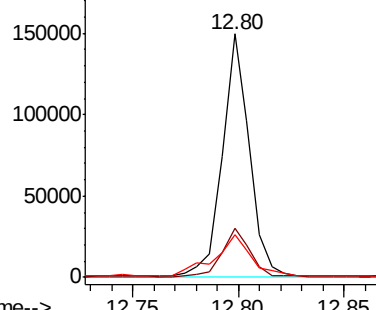


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 26.075 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.02 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

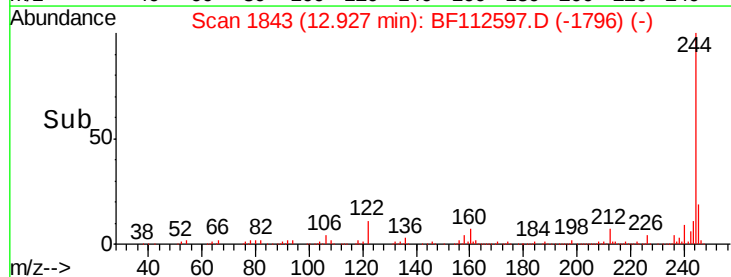
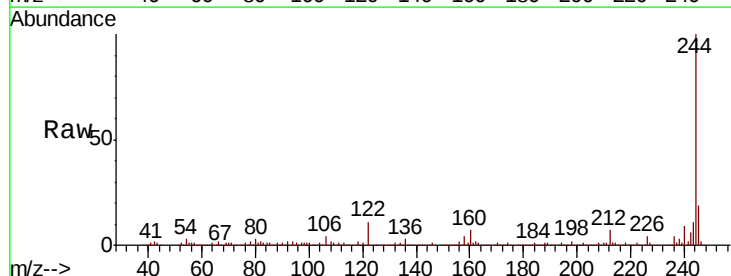
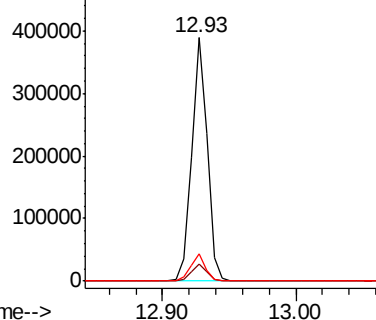
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.3	9.8	14.6

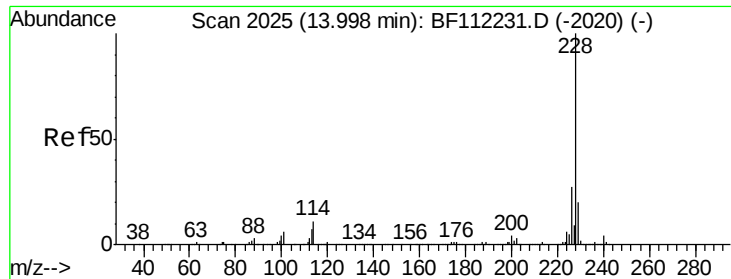
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





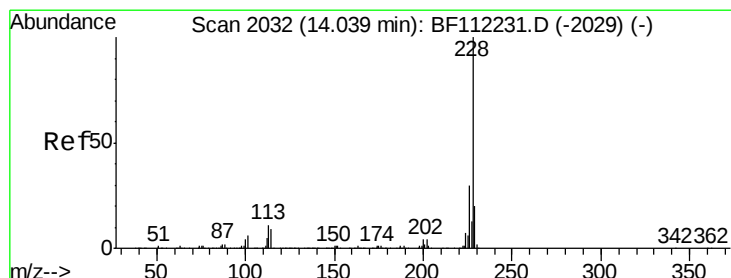
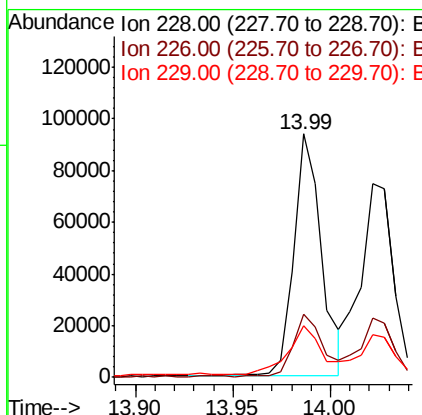
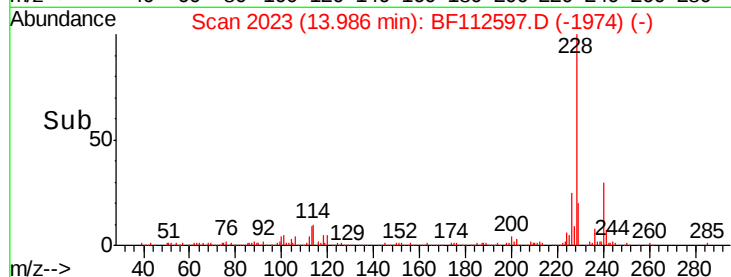
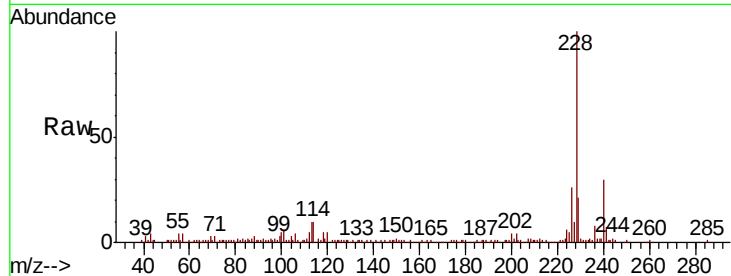
#81
Benzo(a)anthracene
Concen: 6.776 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Instrument :
BNA_F
ClientSampleId :
TP-1-214

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.0	22.6	34.0
229	21.0	16.5	24.7

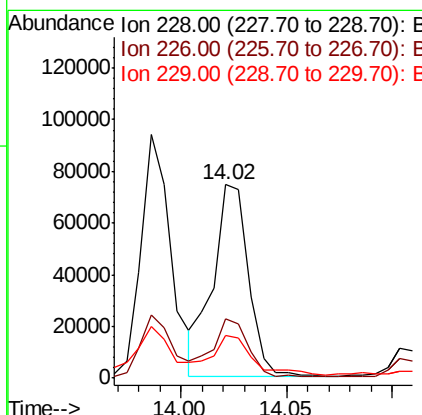
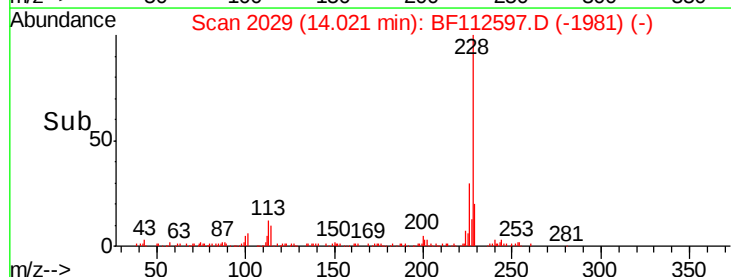
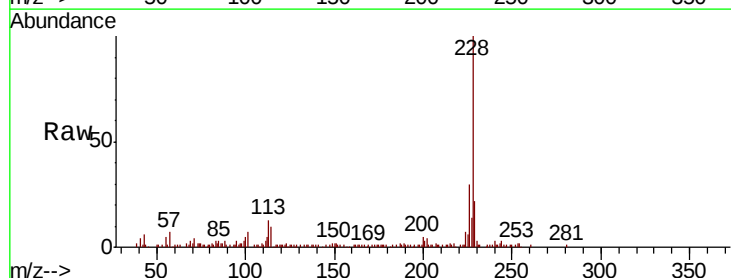
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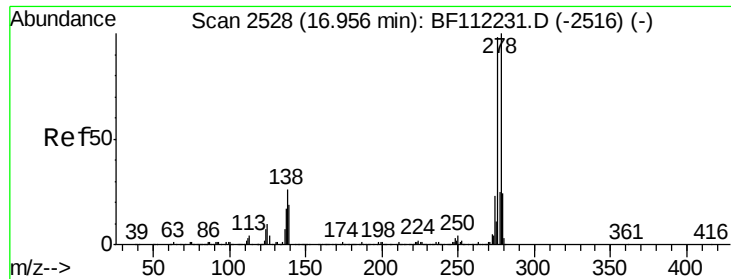
Sohil
2/19/2019 9:38:34 AM



#83
Chrysene
Concen: 6.756 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.9	16.6	24.8





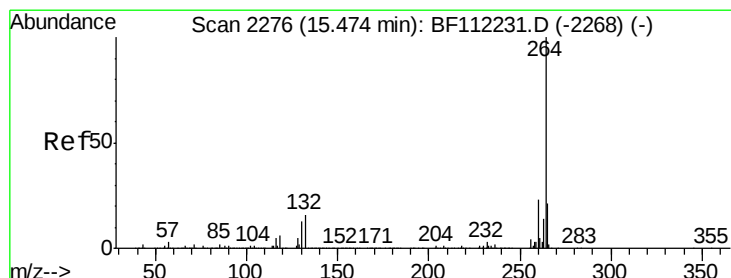
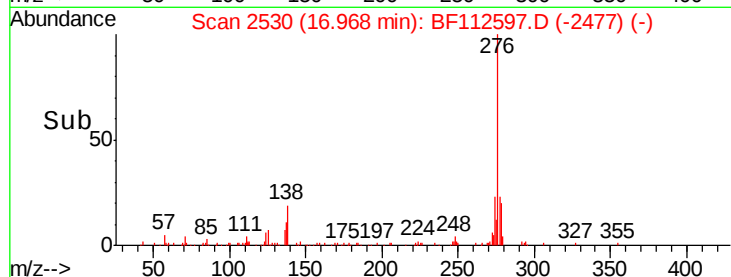
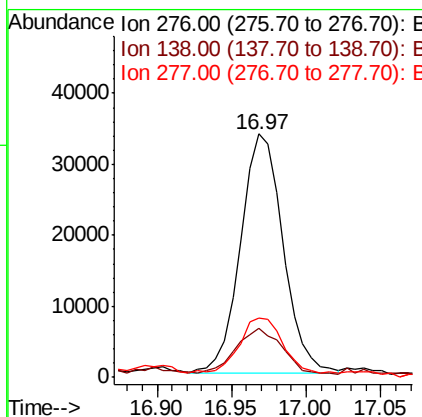
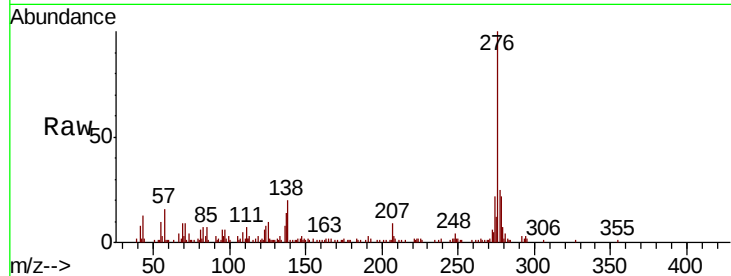
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.512 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. 0.01 min
 Lab File: BF112597.D
 Acq: 18 Feb 2019 13:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-214

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	22.6	34.0#
277	23.3	20.3	30.5

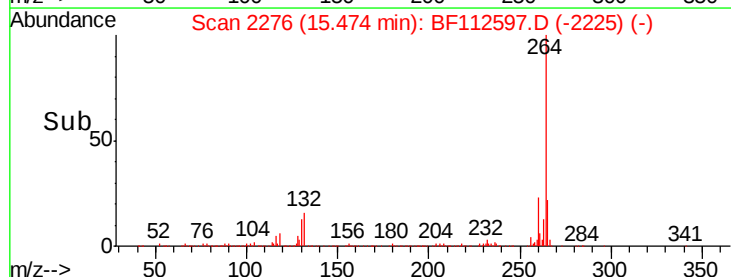
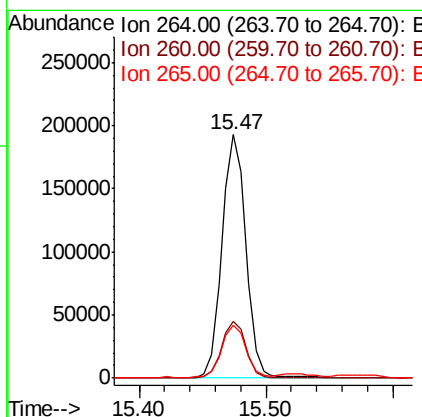
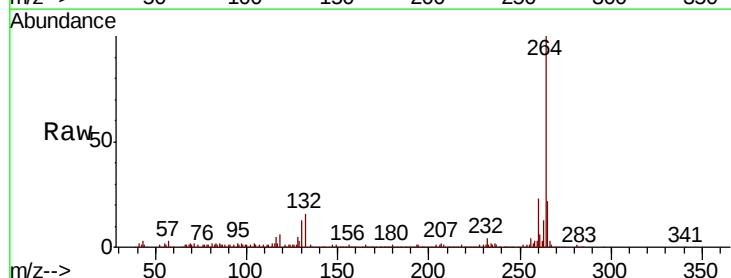
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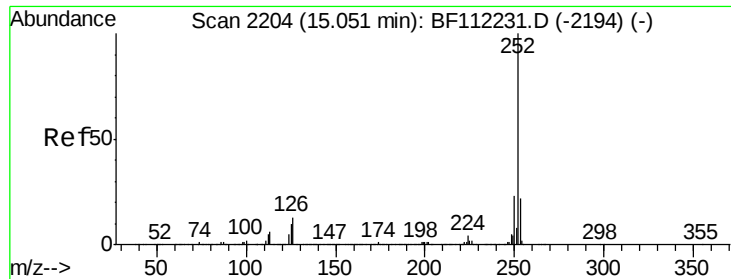
Sohil
 2/19/2019 9:38:34 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.00 min
 Lab File: BF112597.D
 Acq: 18 Feb 2019 13:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	21.8	17.0	25.4





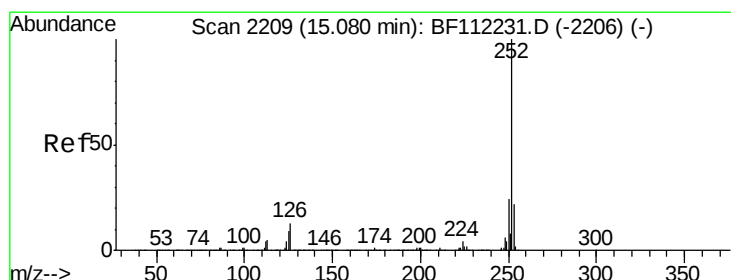
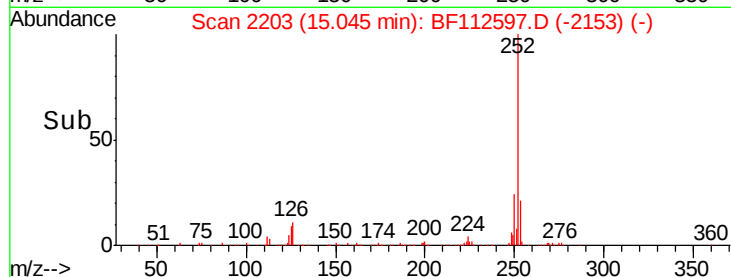
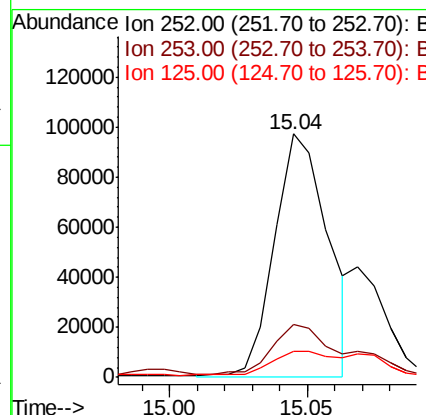
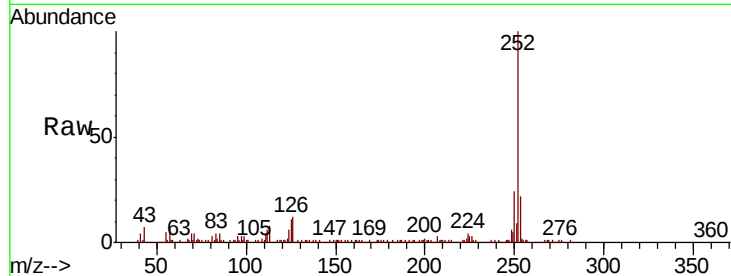
#88
Benzo(b)fluoranthene
Concen: 8.838 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Instrument :
BNA_F
ClientSampleId :
TP-1-214

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	10.9	8.7	13.1

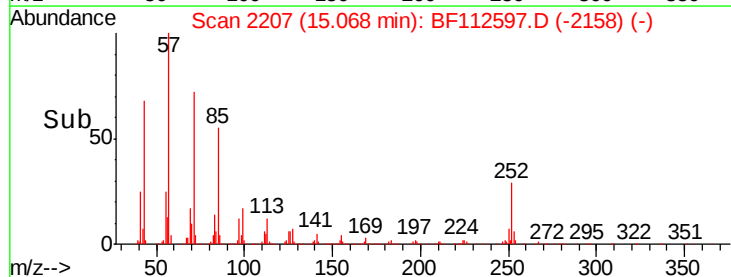
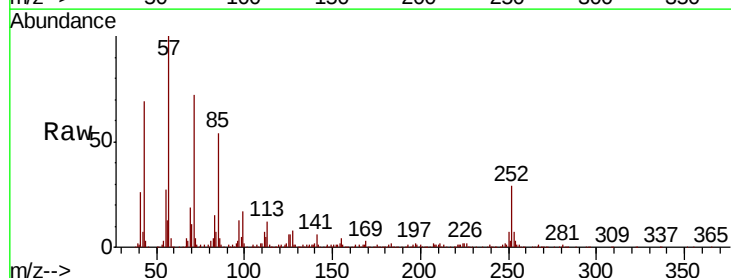
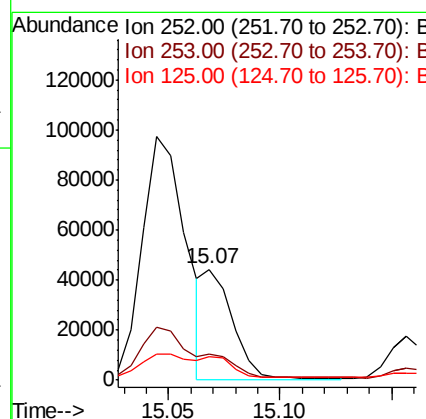
Manual Integrations
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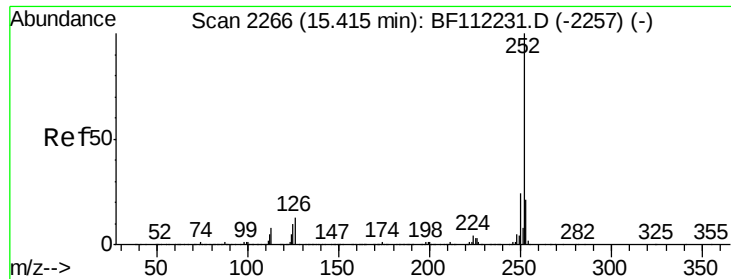
Sohil
2/19/2019 9:38:34 AM



#89
Benzo(k)fluoranthene
Concen: 2.866 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	21.3	9.1	13.7#





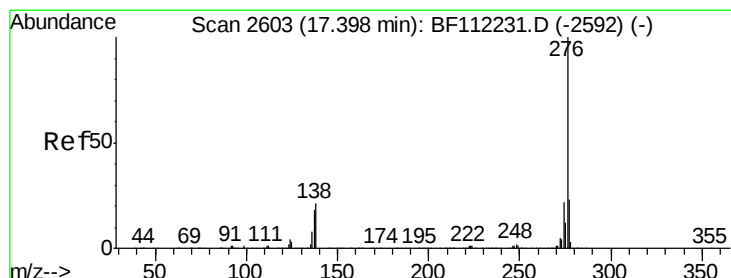
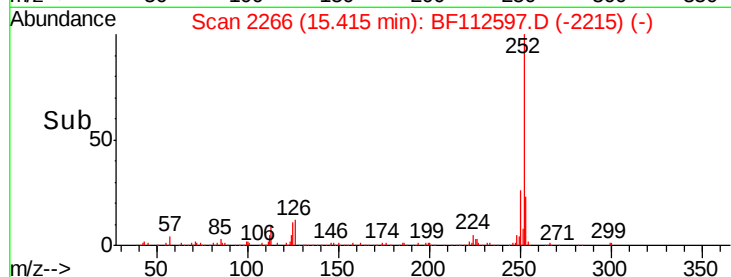
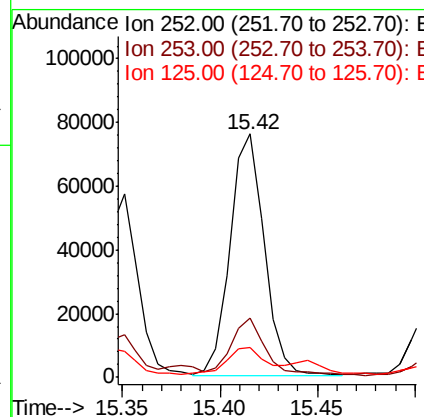
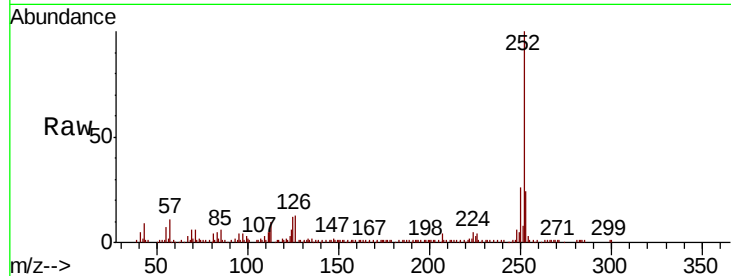
#90
Benzo(a)pyrene
Concen: 6.911 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Instrument :
BNA_F
ClientSampled :
TP-1-214

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	12.1	9.0	13.4

Manual Integrations
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2/19/2019 9:38:34 AM



#92
Benzo(g,h,i)perylene
Concen: 6.353 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.03 min
Lab File: BF112597.D
Acq: 18 Feb 2019 13:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.0
138	20.9	19.1	28.7

