

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
 Data File : BF112699.D
 Acq On : 25 Feb 2019 18:19
 Operator : JU/SJ
 Sample : K1596-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13

Manual Integrations
 APPROVED

Sohil
 2/26/2019 2:39:11 PM

Quant Time: Feb 26 00:20:41 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	6.81	152	72027	20.00	ng	-0.04
21) Naphthalene-d8	8.10	136	271406	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	115016	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	185506	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	177972	20.00	ng	-0.03
87) Perylene-d12	15.46	264	142983	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	185783	54.79	ng	-0.02
7) Phenol-d6	6.48	99	243839	51.75	ng	-0.01
23) Nitrobenzene-d5	7.38	82	146040	31.00	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	45913	34.30	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	241170	29.66	ng	-0.04
79) Terphenyl-d14	12.91	244	190307	20.14	ng	-0.04
Target Compounds						
71) Phenanthrene	11.36	178	45984	4.768	ng	95
75) Fluoranthene	12.56	202	61132	5.910	ng	97
78) Pyrene	12.79	202	55388	4.495	ng	97
81) Benzo(a)anthracene	13.97	228	31215	2.984	ng	96
83) Chrysene	14.01	228	26361	2.640	ng	98
88) Benzo(b)fluoranthene	15.03	252	29420m	3.441	ng	
90) Benzo(a)pyrene	15.40	252	20913	2.718	ng	# 95

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

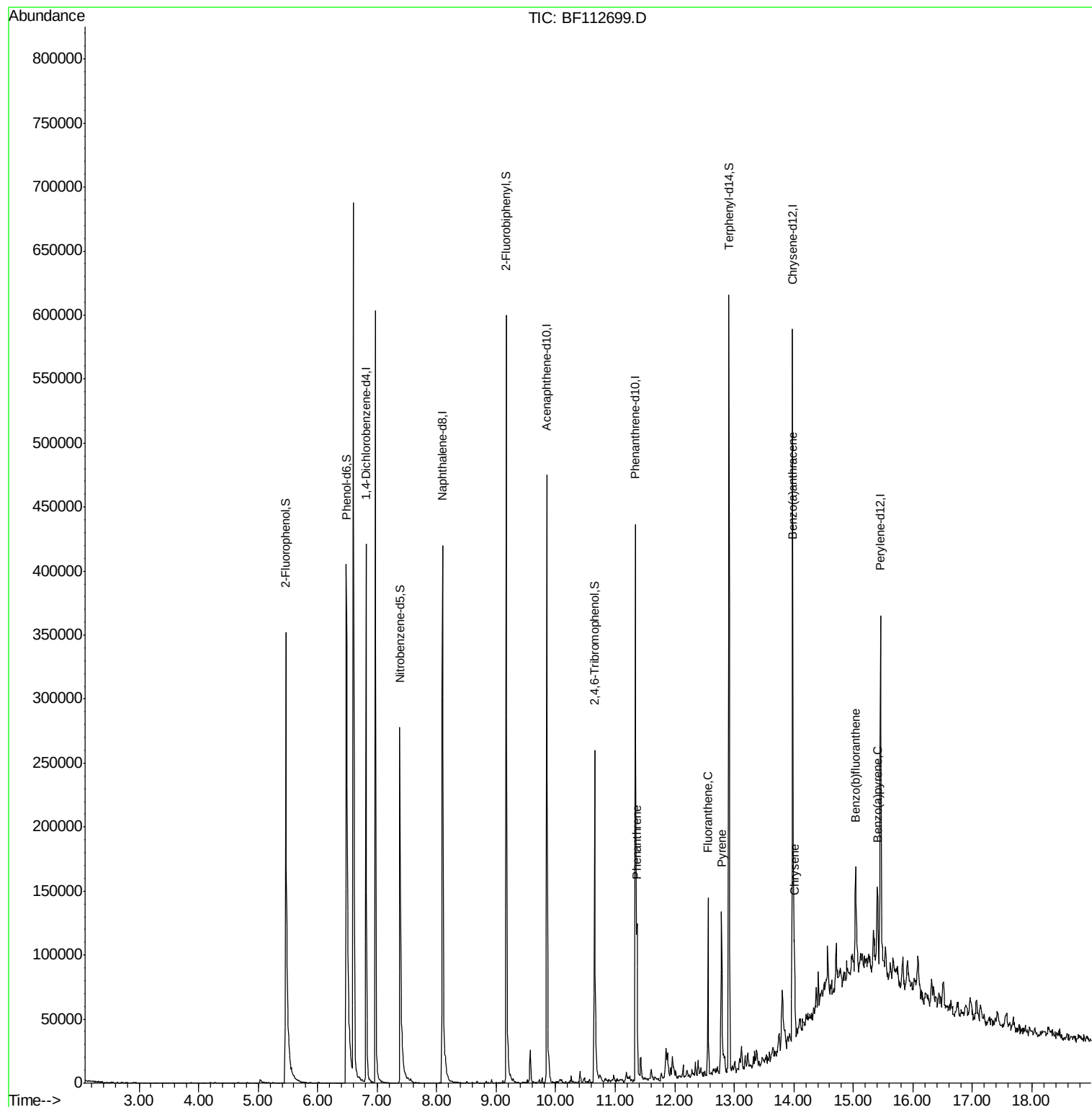
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
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Operator : JU/SJ
Sample : K1596-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

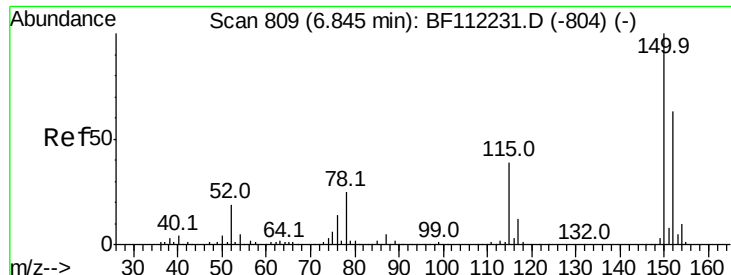
Instrument :
BNA_F
ClientSampleId :
COMP-13

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#1

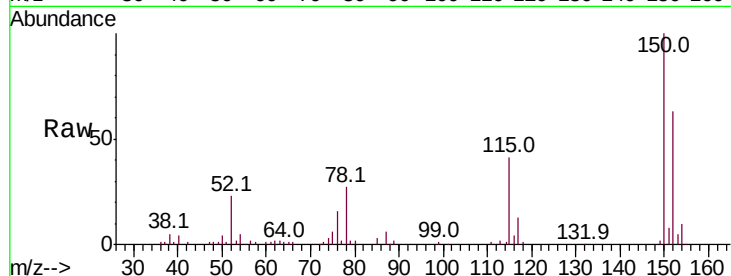
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.04 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Instrument :
BNA_F
ClientSampled :
COMP-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	127.4	191.0
115	64.7	45.5	68.3

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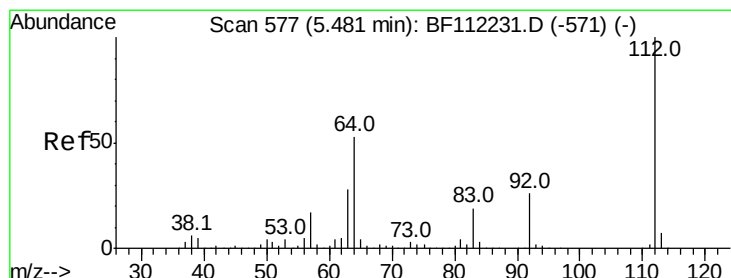
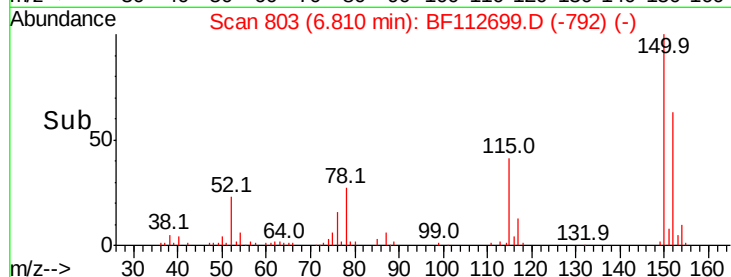
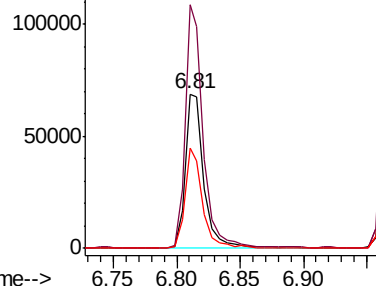


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

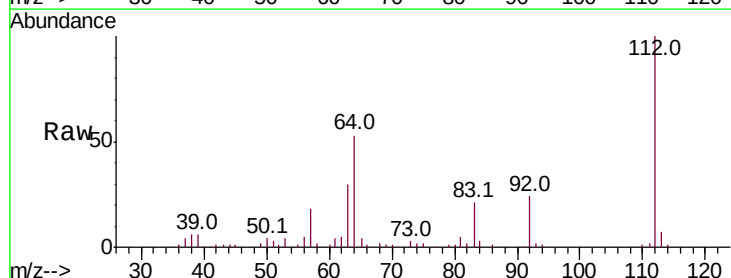
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 54.787 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	45.7	68.5
63	30.3	23.6	35.4

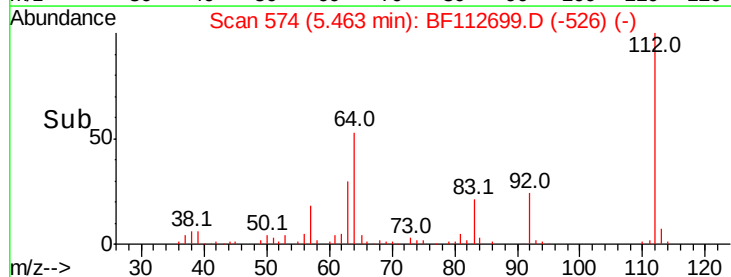
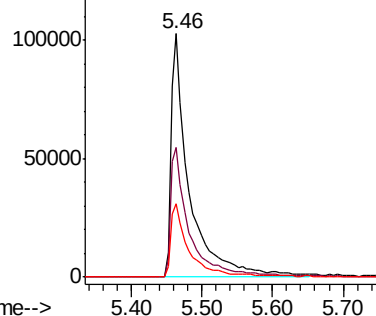


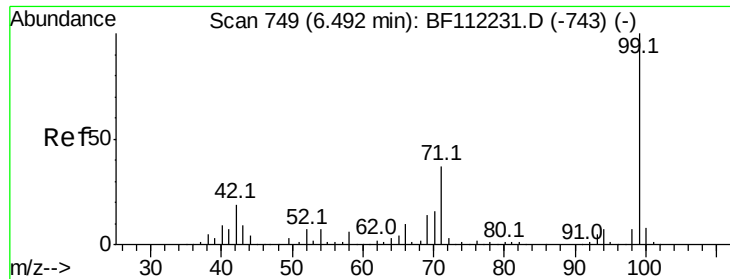
Abundance

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: 51.749 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

Instrument :

BNA_F

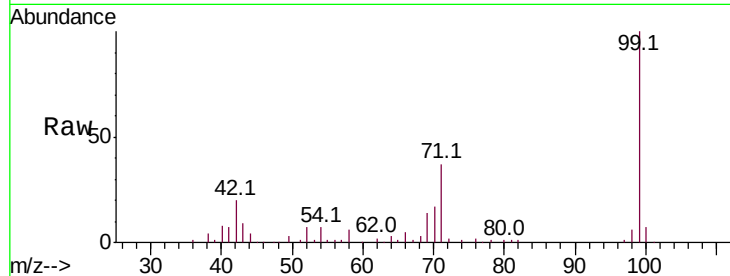
ClientSampleId :

COMP-13

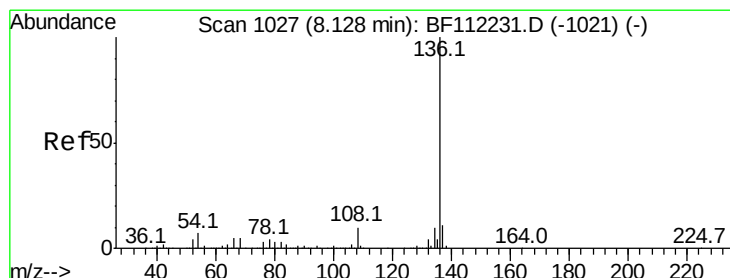
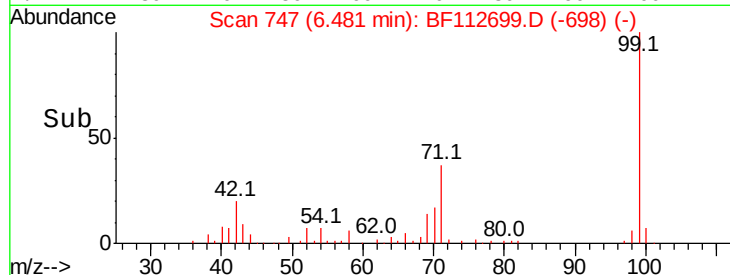
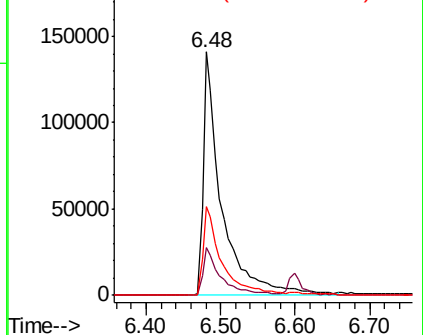
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		243839		
42	19.6	15.1	22.7		
71	36.6	26.9	40.3		

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

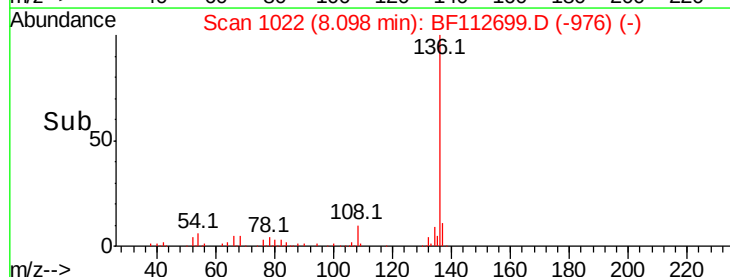
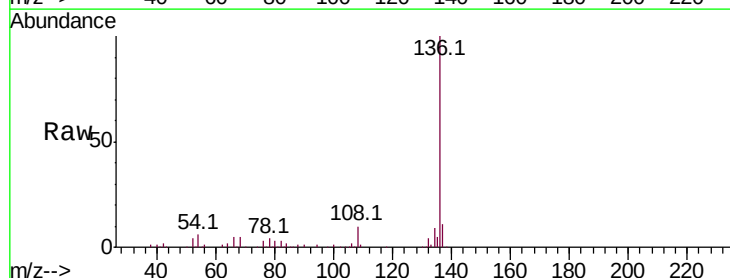
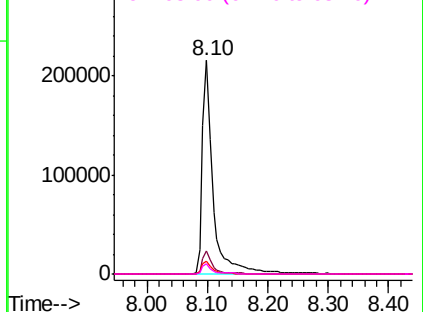
Delta R.T. -0.03 min

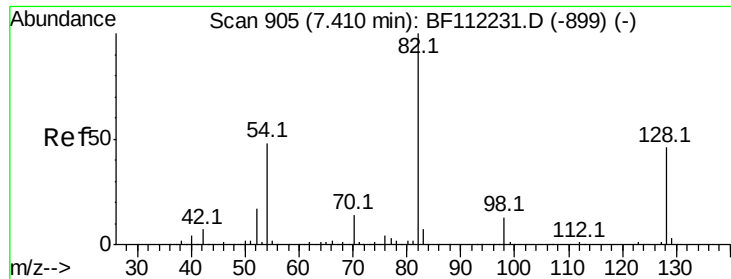
Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		271406		
137	10.8	9.1	13.7		
54	5.9	5.9	8.9		
68	4.9	5.1	7.7#		

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





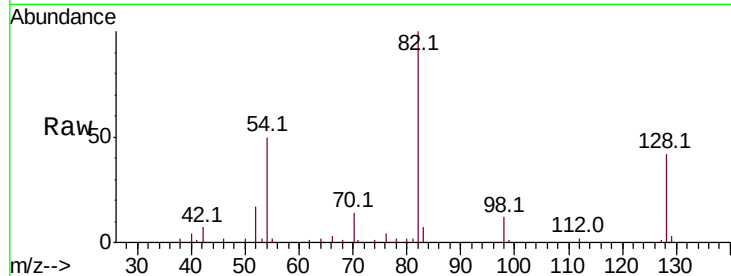
#23
Nitrobenzene-d5
Concen: 31.004 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.03 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Instrument :
BNA_F
ClientSampled :
COMP-13

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.0	37.8	56.8
54	50.0	39.7	59.5

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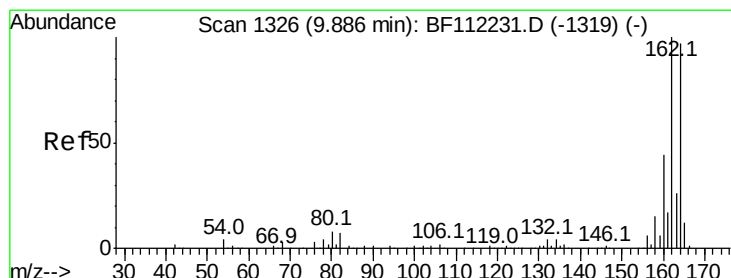
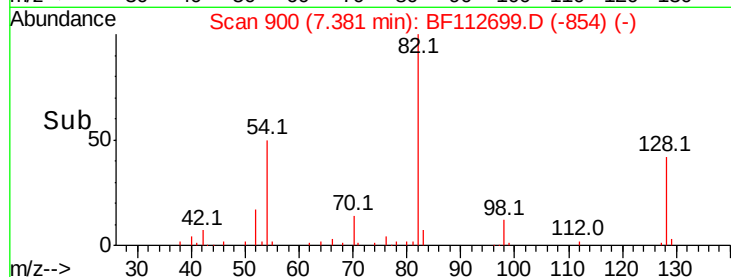
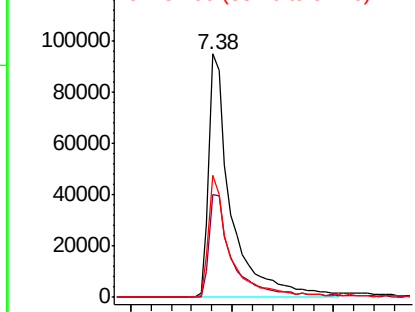


Abundance

Ion 82.00 (81.70 to 82.70): BF1

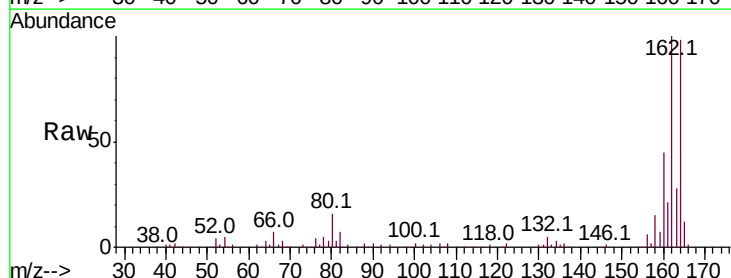
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.2	123.4
160	46.1	36.2	54.4

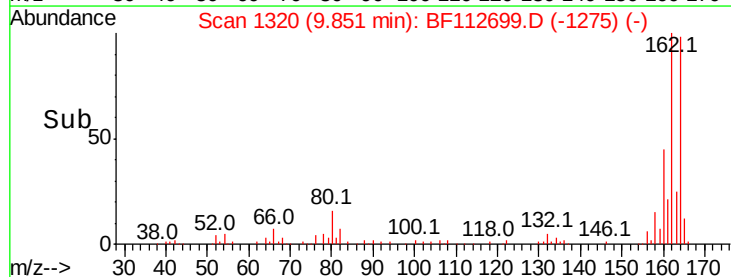
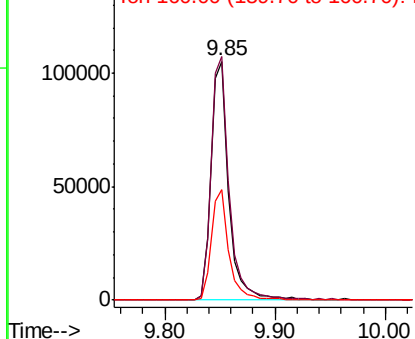


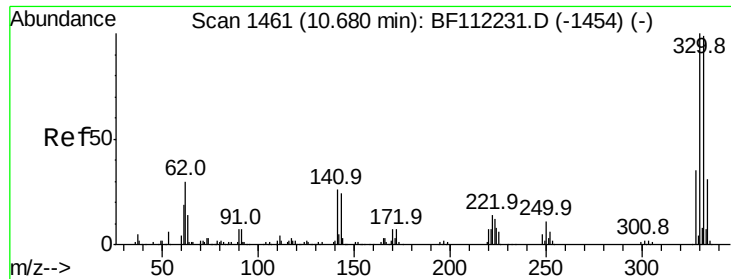
Abundance

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: 34.295 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.03 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

Instrument :

BNA_F

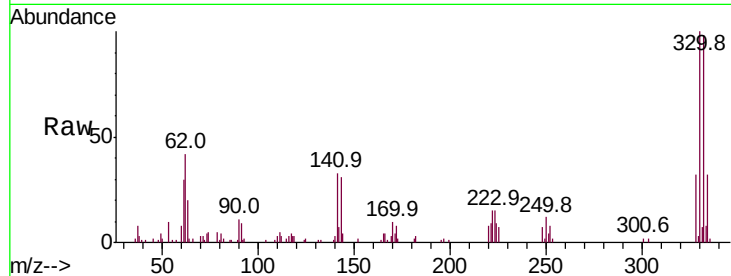
ClientSampleId :

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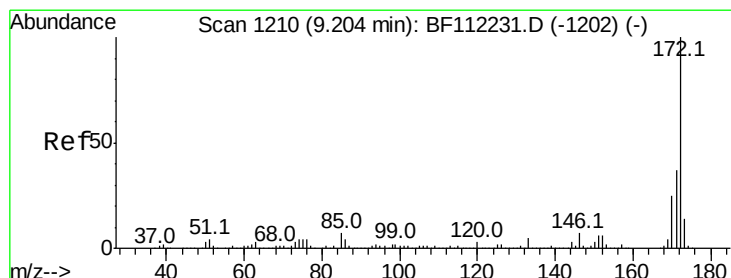
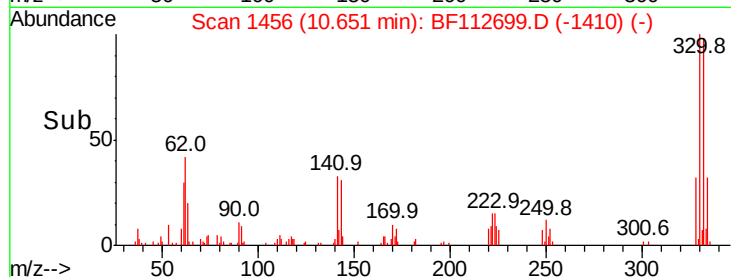
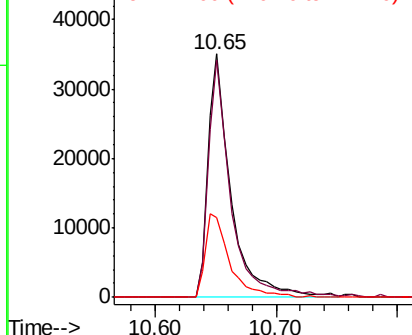
Tot Ion:	330	Resp:	45913
Ion Ratio	Lower	Upper	
330	100		
332	95.9	76.6	114.8
141	36.4	24.3	36.5

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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: 29.656 ng

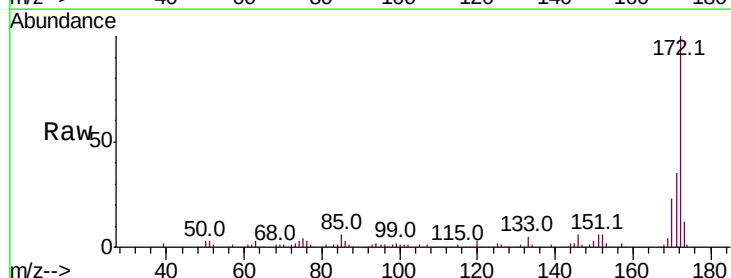
RT: 9.17 min Scan# 1204

Delta R.T. -0.04 min

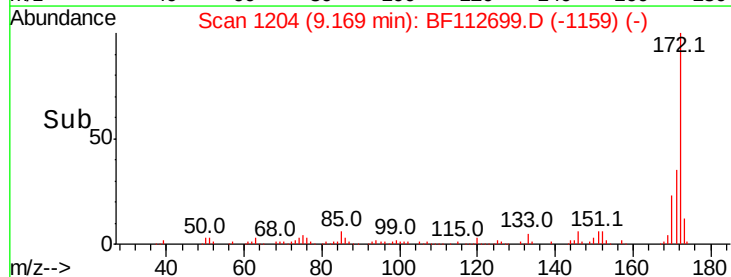
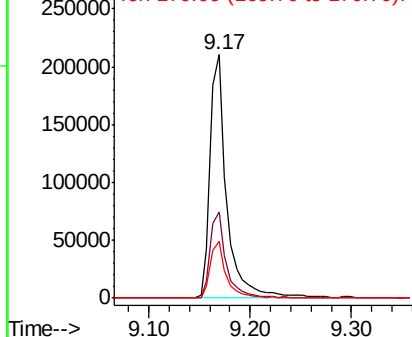
Lab File: BF112699.D

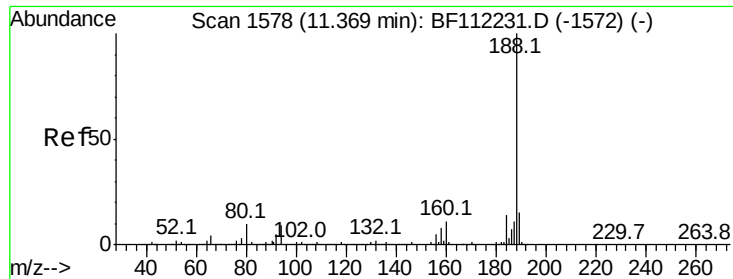
Acq: 25 Feb 2019 18:19

Tgt Ion:	172	Resp:	241170
Ion Ratio	Lower	Upper	
172	100		
171	35.2	30.5	45.7
170	23.3	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: 11.34 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

Instrument :

BNA_F

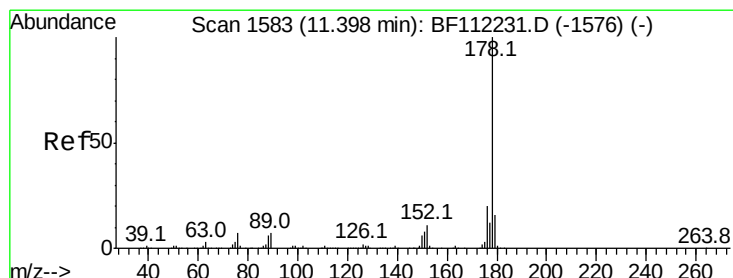
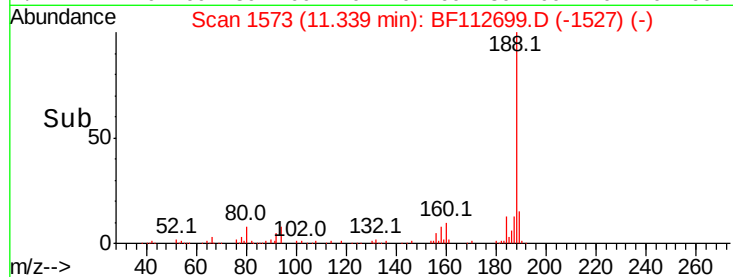
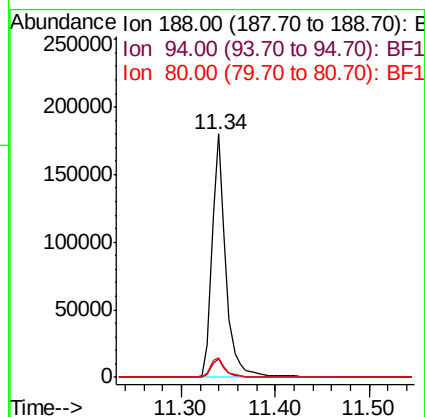
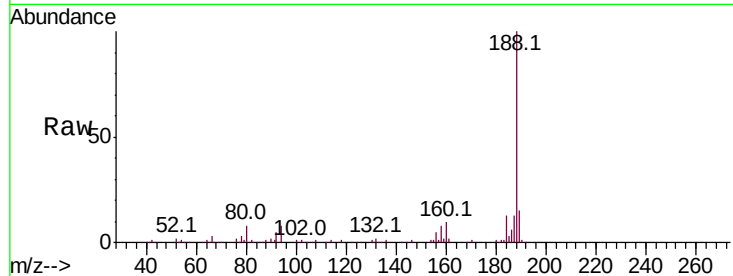
ClientSampleId :

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Tot Ion:	188	Resp:	185506
Ion Ratio	Lower	Upper	
188	100		
94	7.7	8.2	12.2#
80	8.3	8.9	13.3#

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#71

Phenanthrene

Concen: 4.768 ng

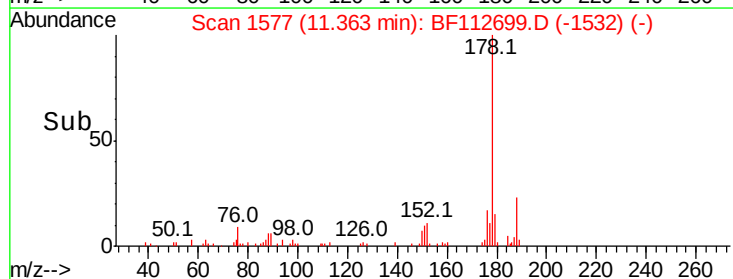
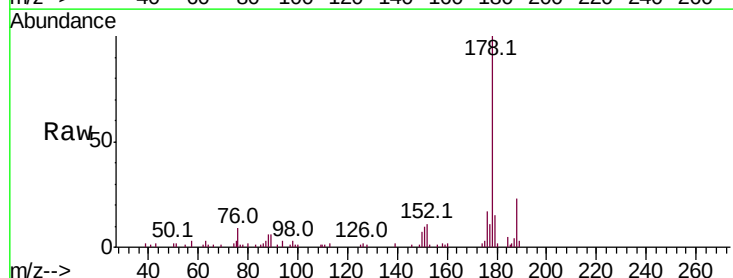
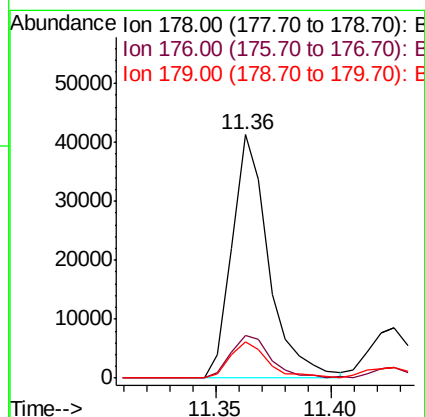
RT: 11.36 min Scan# 1577

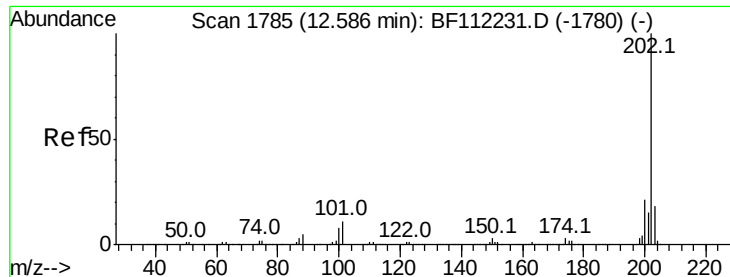
Delta R.T. -0.04 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

Tgt Ion:	178	Resp:	45984
Ion Ratio	Lower	Upper	
178	100		
176	17.5	16.3	24.5
179	14.9	13.0	19.4





#75

Fluoranthene

Concen: 5.910 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.03 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

Instrument :

BNA_F

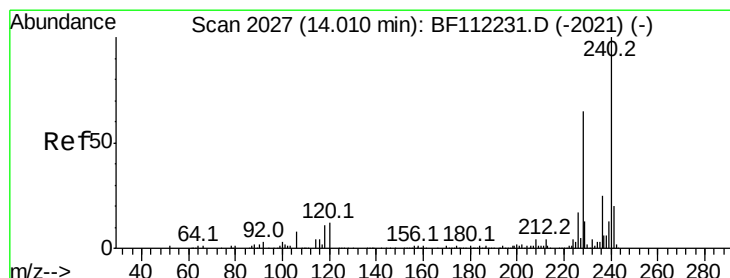
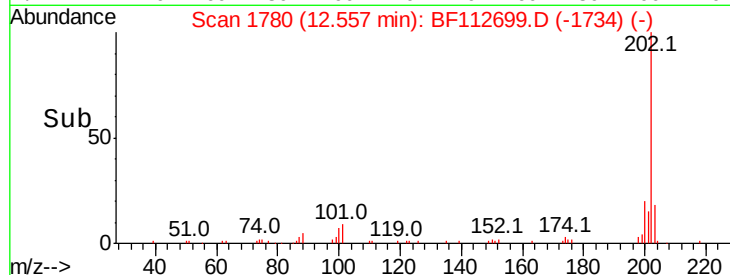
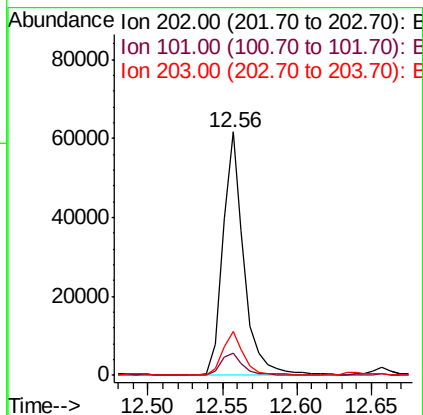
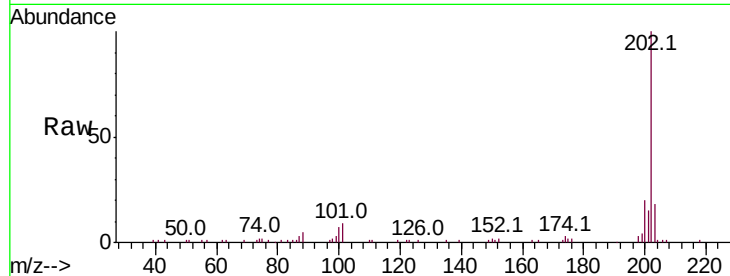
ClientSampleId :

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Tot Ion:	202	Resp:	61132
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	31.8
203	18.0	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

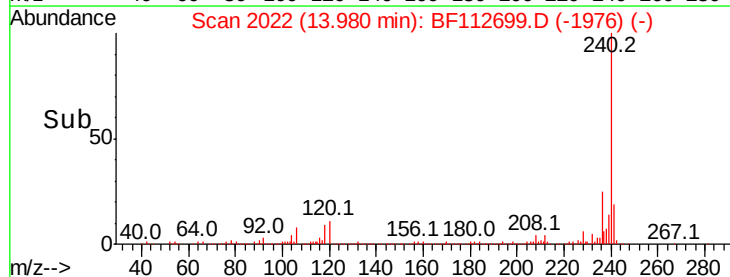
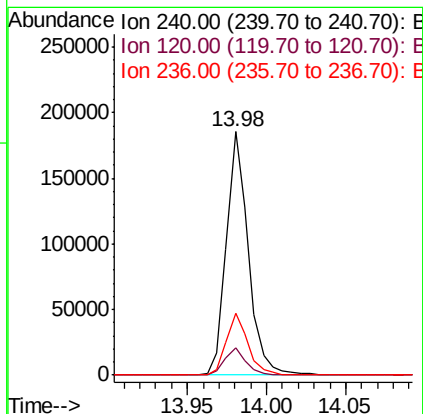
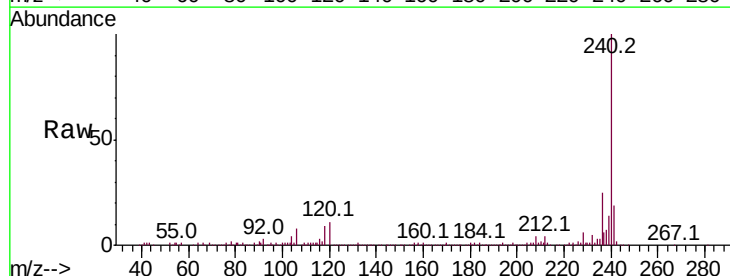
RT: 13.98 min Scan# 2022

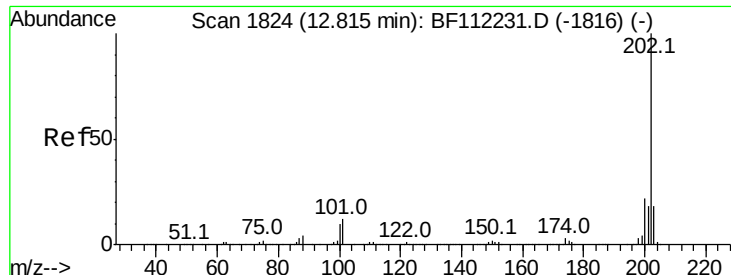
Delta R.T. -0.03 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

Tgt Ion:	240	Resp:	177972
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.0	13.6
236	25.4	20.7	31.1





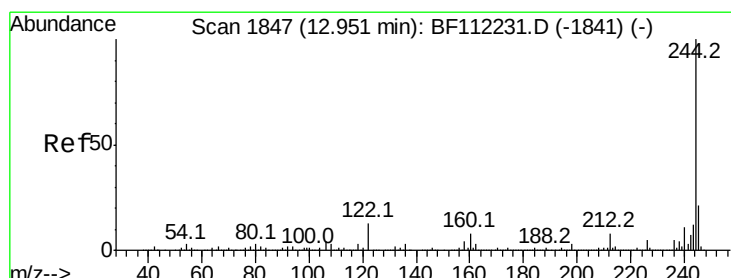
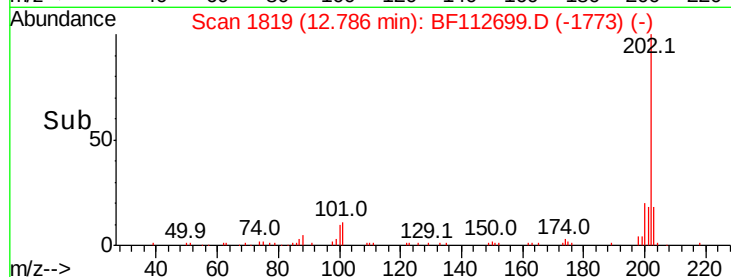
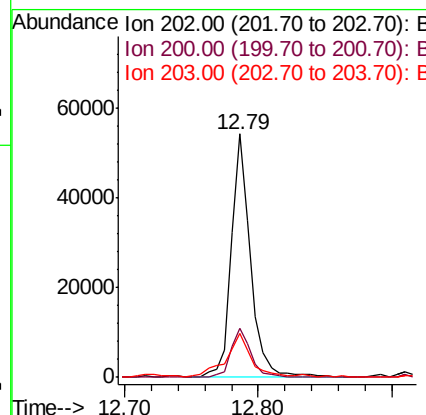
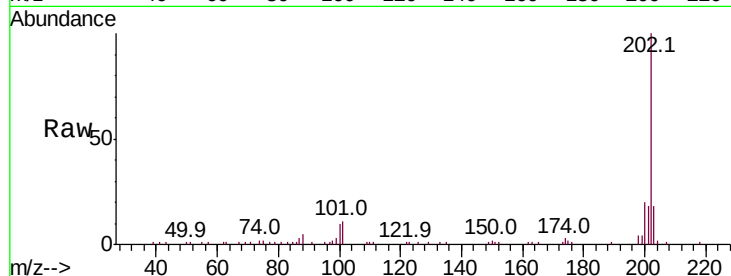
#78
Pvrene
Concen: 4.495 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.03 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Instrument :
BNA_F
ClientSampleId :
COMP-13

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.7	26.5
203	18.0	14.6	22.0

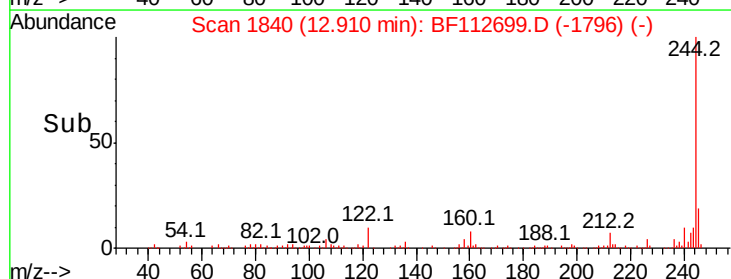
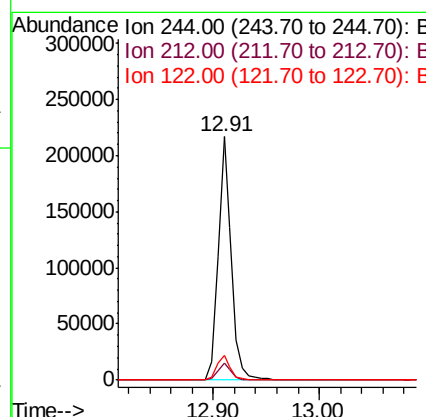
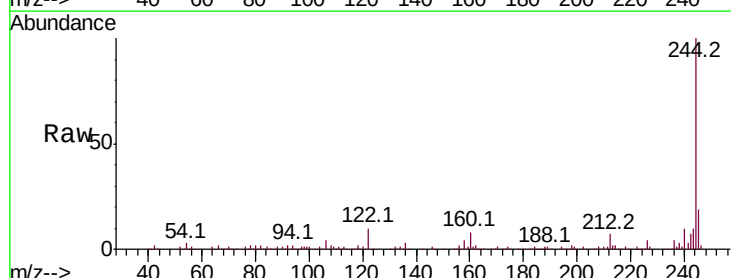
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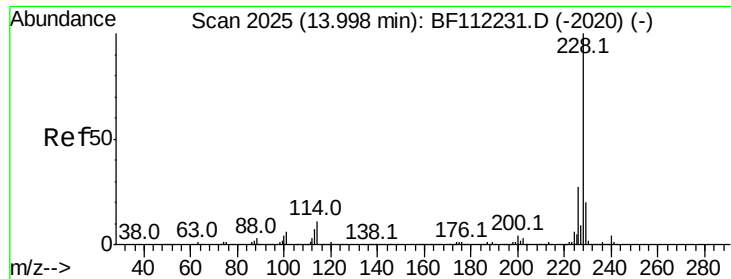
Sohil
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#79
Terphenyl-d14
Concen: 20.140 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.04 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.2	9.8	14.6





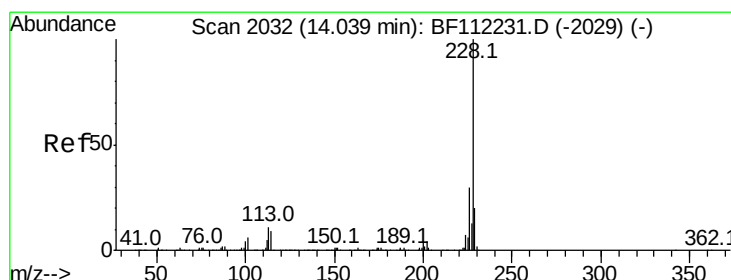
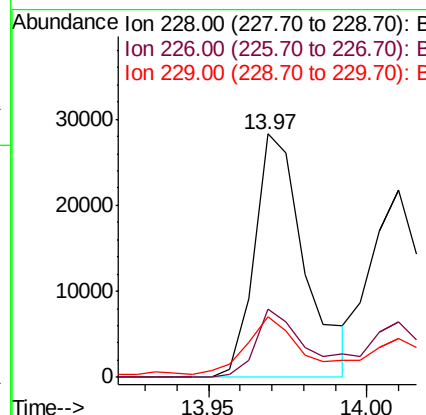
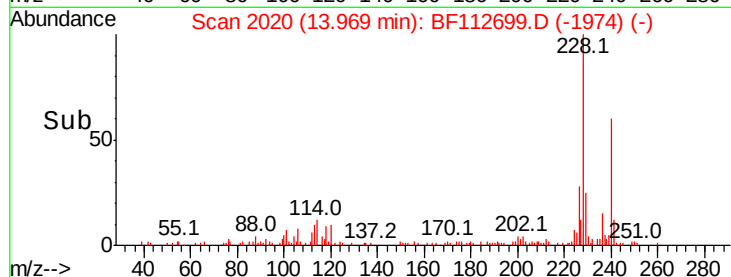
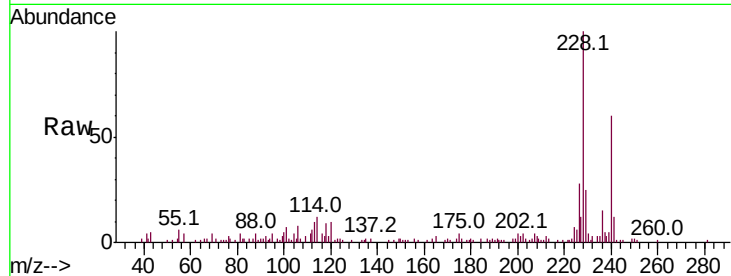
#81
Benzo(a)anthracene
Concen: 2.984 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Instrument :
BNA_F
ClientSampled :
COMP-13

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	34.0
229	24.6	16.5	24.7

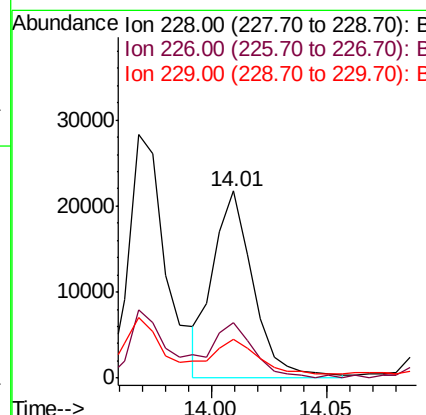
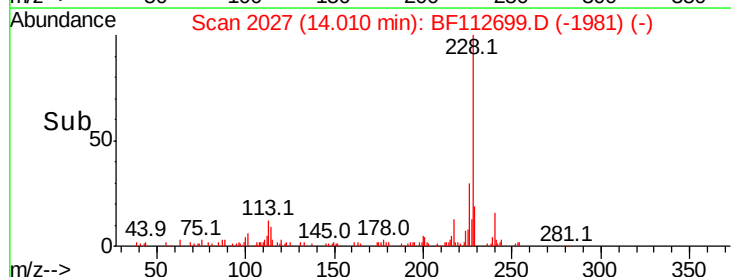
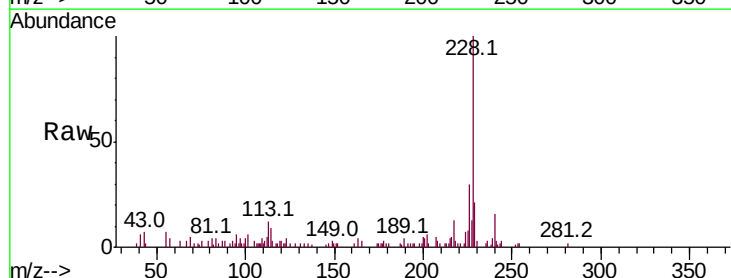
Manual Integrations
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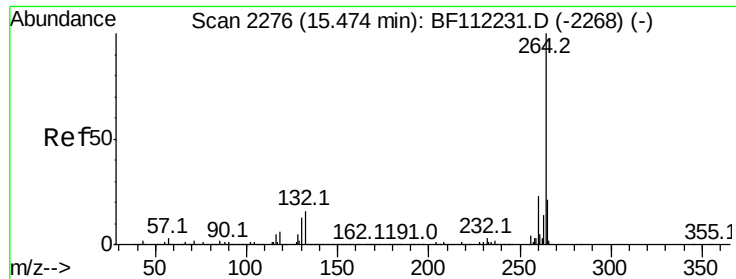
Sohil
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#83
Chrysene
Concen: 2.640 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.03 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	21.1	16.6	24.8





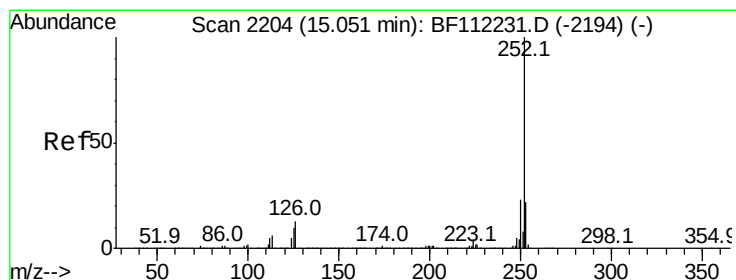
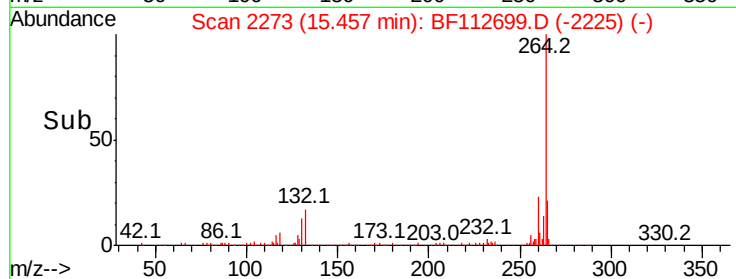
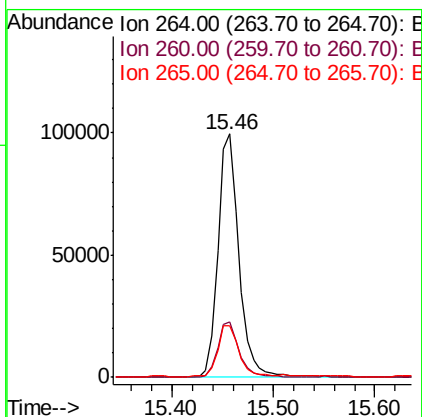
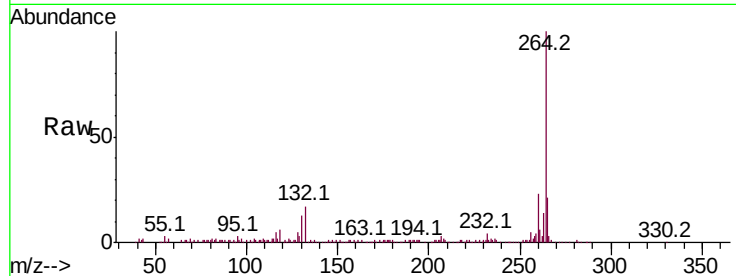
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.02 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Instrument :
BNA_F
ClientSampled :
COMP-13

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.2	27.2
265	21.2	17.0	25.4

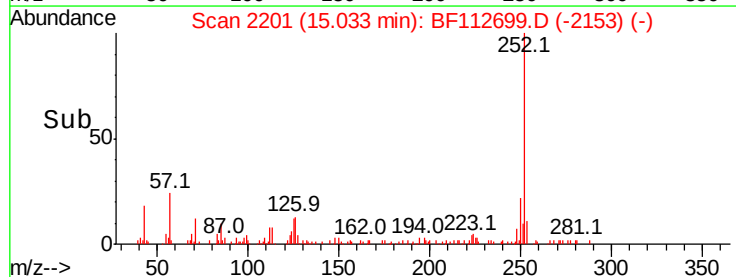
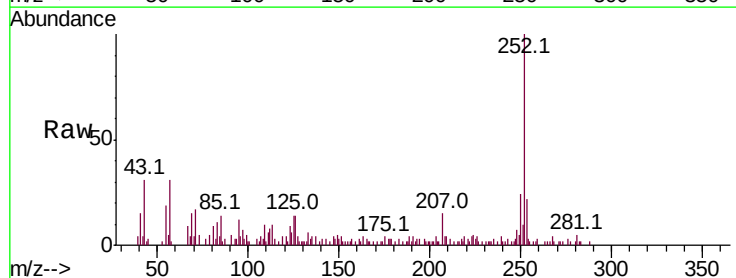
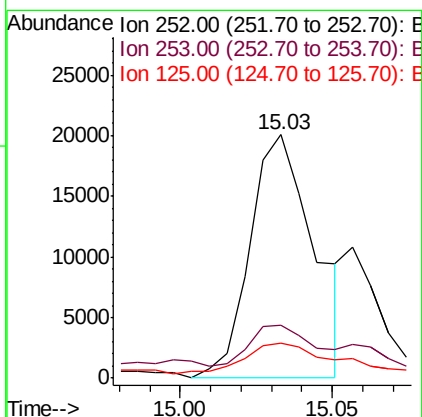
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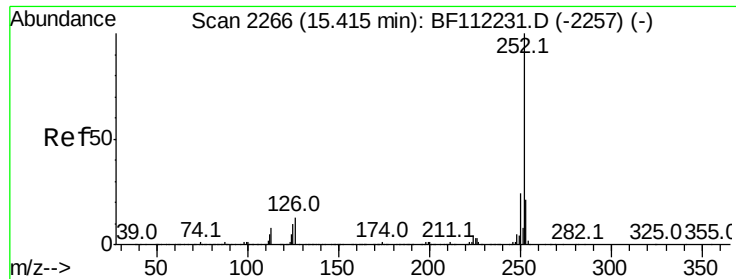
Sohil
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#88
Benzo(b)fluoranthene
Concen: 3.441 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	14.4	8.7	13.1





#90
Benzo(a)pyrene
Concen: 2.718 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.02 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Instrument :
BNA_F
ClientSampleId :
COMP-13

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	17.5	26.3
125	14.5	9.0	13.4

Manual Integrations
APPROVED

Sohil
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