

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
 Data File : BF112466.D
 Acq On : 8 Feb 2019 18:15
 Operator : JU/SJ
 Sample : K1349-03 20X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-020719-B

Manual Integrations
 APPROVED

Sohil
 2/11/2019 10:00:42 AM

Quant Time: Feb 11 12:34:02 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	120262	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	489483	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	230832	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	388960	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	275029	20.00	ng	0.00
87) Perylene-d12	15.47	264	290672	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	31522	5.57	ng	0.00
7) Phenol-d6	6.50	99	40495	5.15	ng	0.00
23) Nitrobenzene-d5	7.40	82	27089	3.19	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	8191	3.05	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	61198	3.75	ng	-0.02
79) Terphenyl-d14	12.94	244	47932	3.28	ng	-0.01
Target Compounds						
71) Phenanthrene	11.38	178	178960	8.850	ng	97
72) Anthracene	11.44	178	48694	2.417	ng	98
75) Fluoranthene	12.57	202	185455	8.551	ng	96
78) Pyrene	12.80	202	189987	9.978	ng	98
81) Benzo(a)anthracene	13.99	228	80487	4.978	ng	97
83) Chrysene	14.03	228	72327	4.687	ng	96
86) Indeno(1,2,3-cd)pyrene	16.96	276	30625	2.504	ng	96
88) Benzo(b)fluoranthene	15.05	252	83813m	4.821	ng	
90) Benzo(a)pyrene	15.42	252	66467	4.249	ng	# 97
92) Benzo(g,h,i)perylene	17.42	276	29443	2.476	ng	95

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

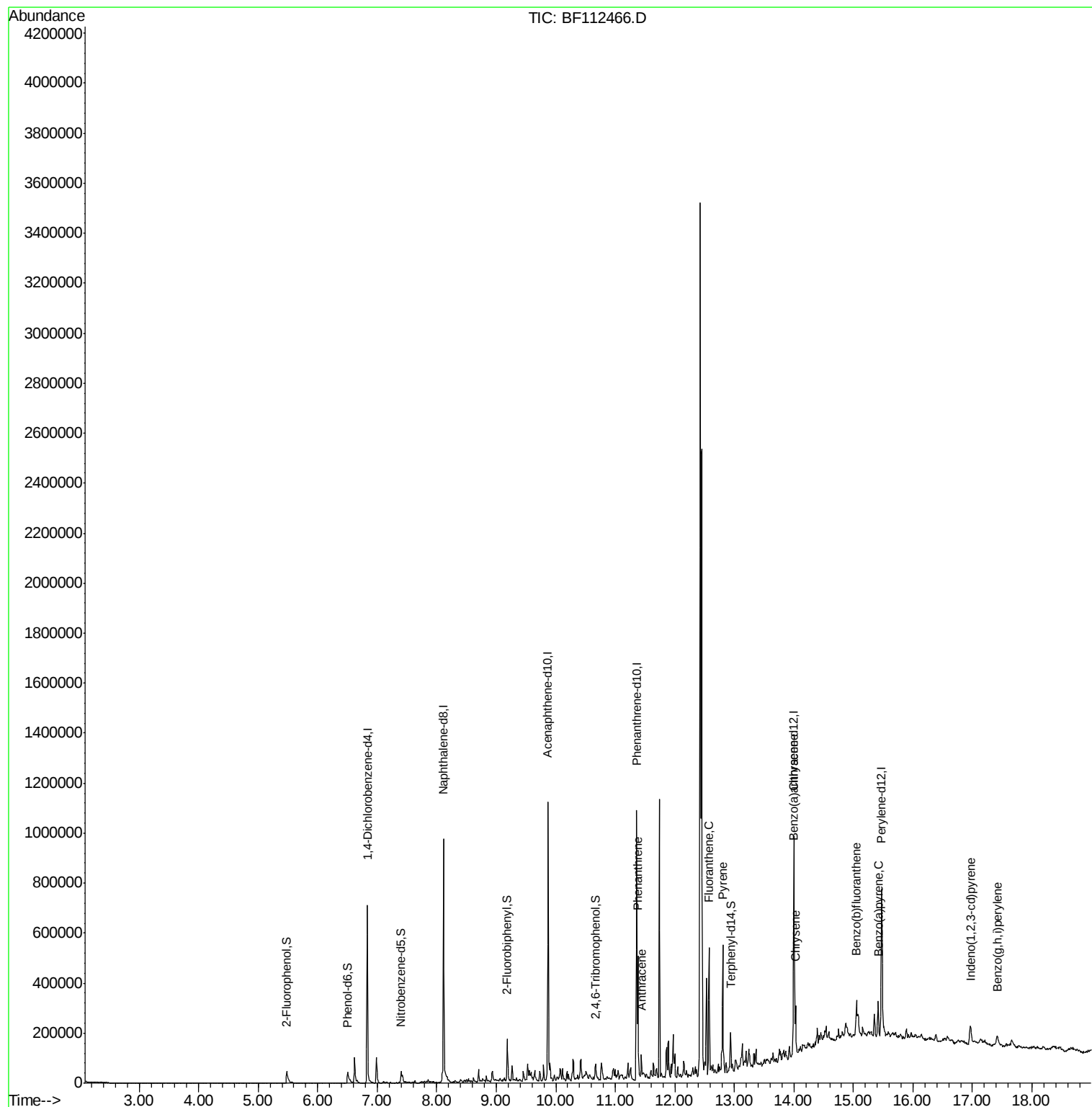
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
Data File : BF112466.D
Acq On : 8 Feb 2019 18:15
Operator : JU/SJ
Sample : K1349-03 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-020719-B

Manual Integrations
APPROVED

Sohil
2/11/2019 10:00:42 AM

Quant Time: Feb 11 12:34:02 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





#1

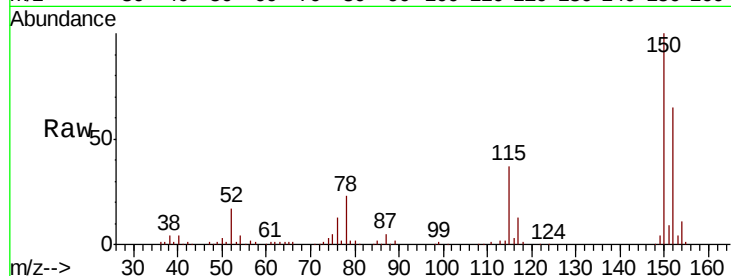
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112466.D
Acq: 8 Feb 2019 18:15

Instrument :
BNA_F
ClientSampleId :
OR-03-020719-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	127.4	191.0
115	56.2	45.5	68.3

Manual Integrations
APPROVED

Sohil
2/11/2019 10:00:42 AM



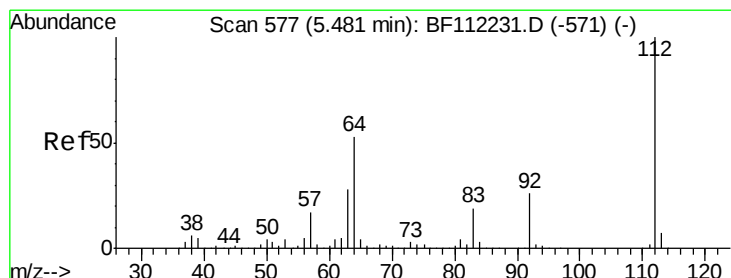
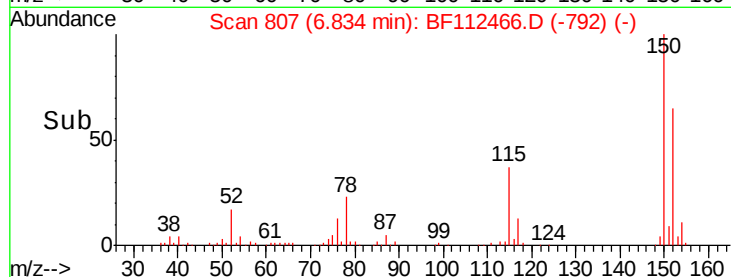
Abundance

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

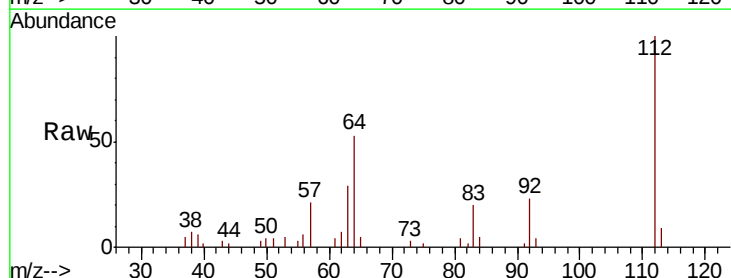
Time-->



#5

2-Fluorophenol
Concen: 5.567 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF112466.D
Acq: 8 Feb 2019 18:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	45.7	68.5
63	29.4	23.6	35.4



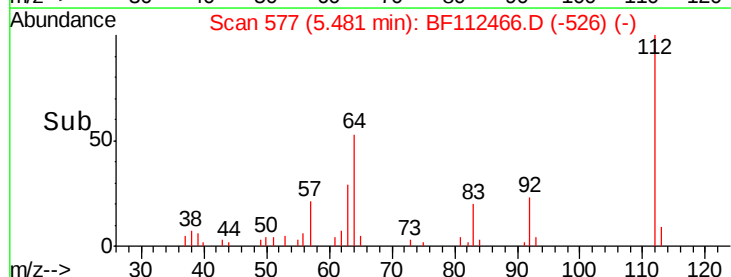
Abundance

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

Time-->





#7

Phenol-d6

Concen: 5.147 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF112466.D

Acq: 8 Feb 2019 18:15

Instrument :

BNA_F

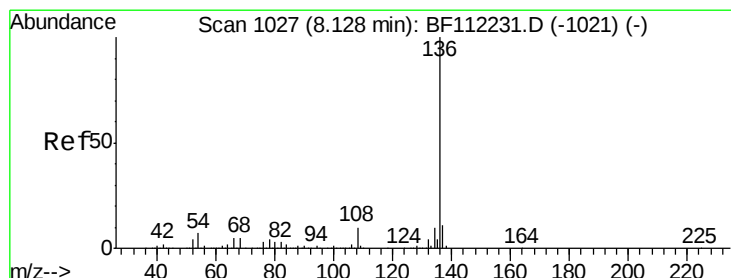
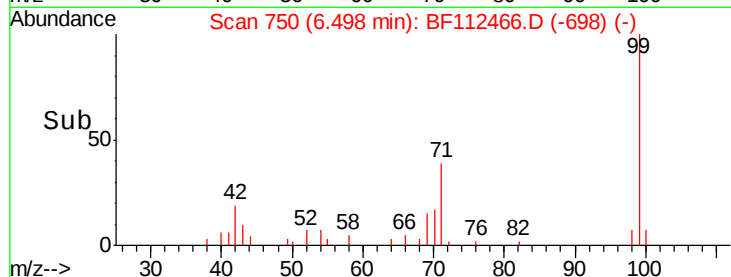
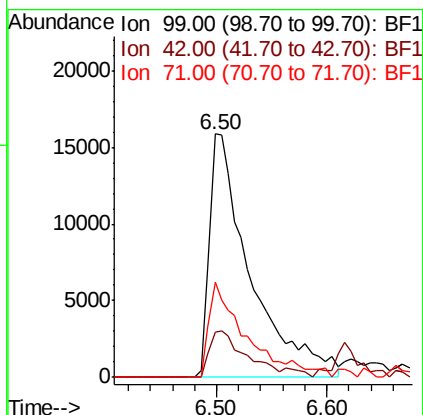
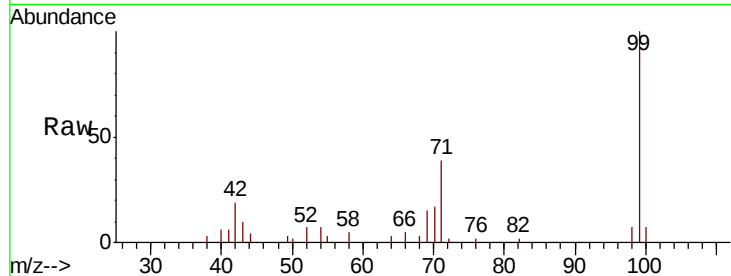
ClientSampleId :

OR-03-020719-B

Tot Ion:	99	Resp:	40495
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.1	22.7
71	38.9	26.9	40.3

Manual Integrations
APPROVED

Sohil
2/11/2019 10:00:42 AM



#21

Naphthalene-d8

Concen: 20.000 ng

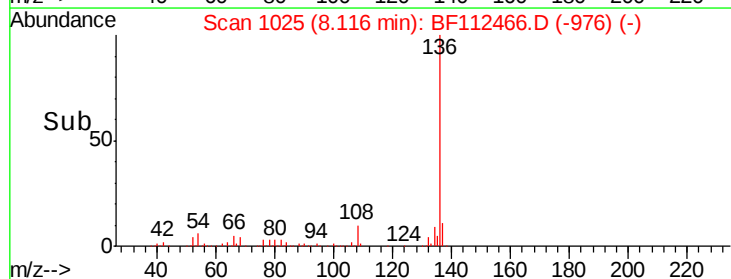
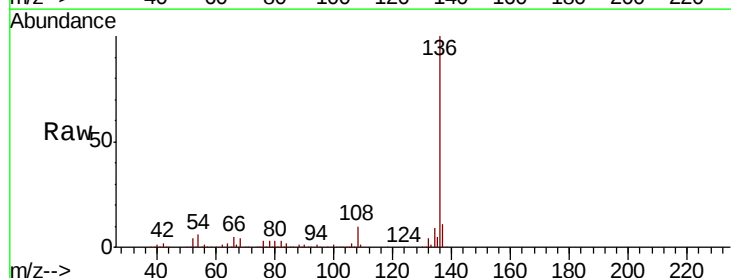
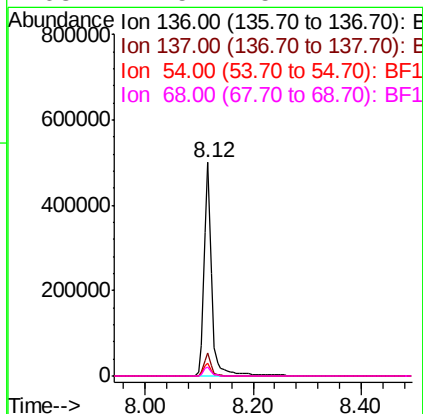
RT: 8.12 min Scan# 1025

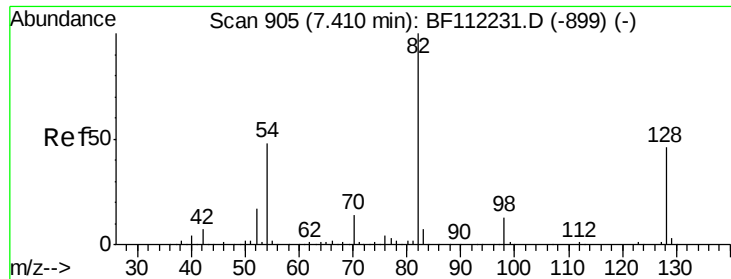
Delta R.T. -0.01 min

Lab File: BF112466.D

Acq: 8 Feb 2019 18:15

Tgt Ion:	136	Resp:	489483
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.0	5.9	8.9
68	4.5	5.1	7.7#





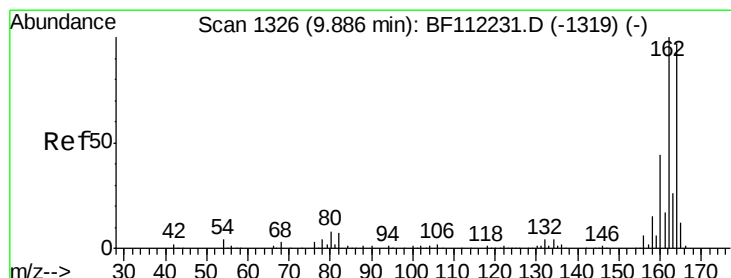
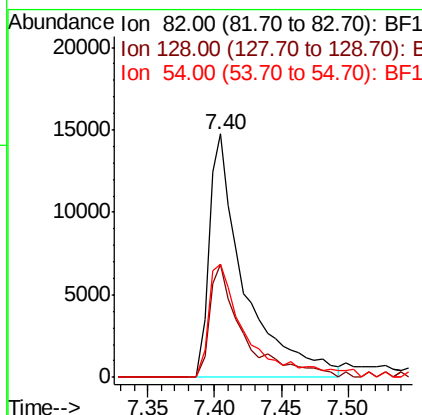
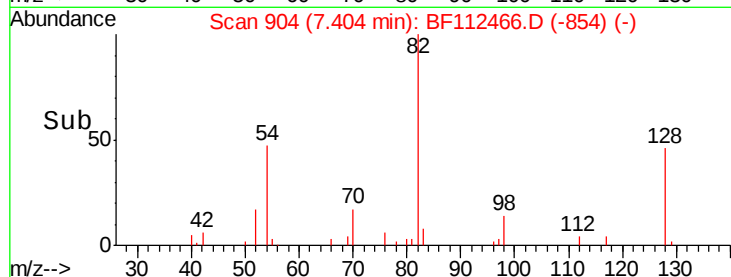
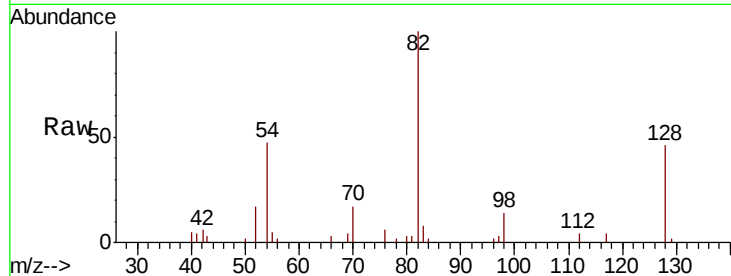
#23
Nitrobenzene-d5
Concen: 3.189 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF112466.D
Acq: 8 Feb 2019 18:15

Instrument :
BNA_F
ClientSampled :
OR-03-020719-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.8	56.8
54	46.7	39.7	59.5

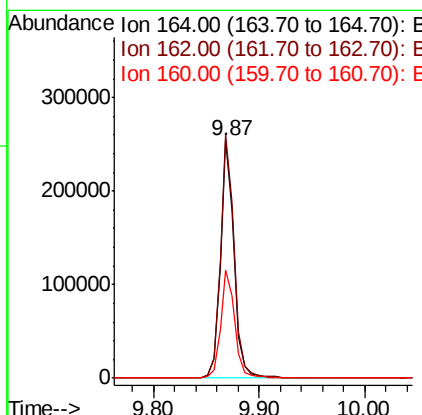
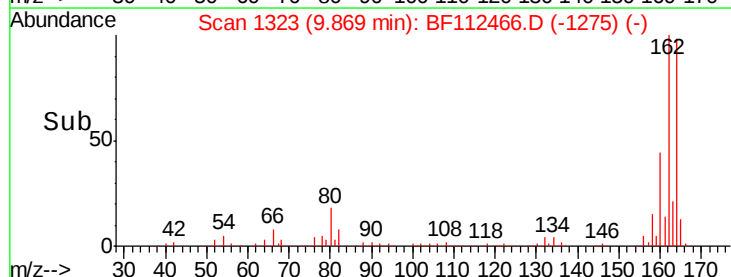
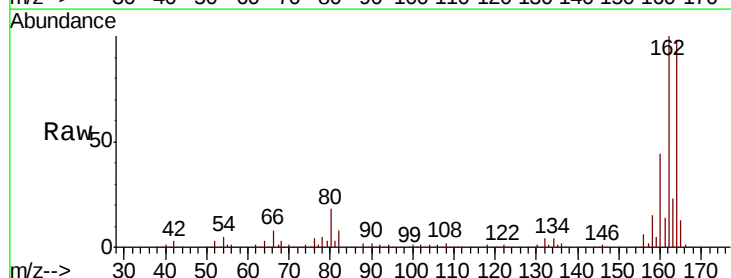
Manual Integrations
APPROVED

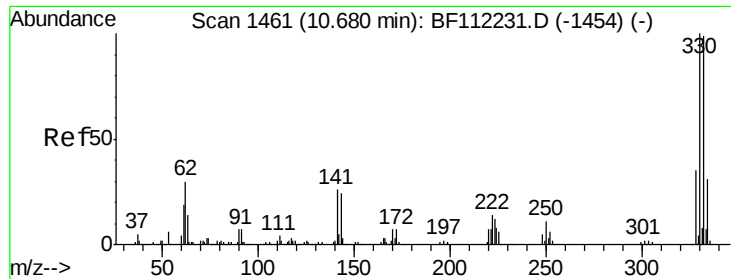
Sohil
2/11/2019 10:00:42 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112466.D
Acq: 8 Feb 2019 18:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.2	123.4
160	45.2	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 3.049 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112466.D

Acq: 8 Feb 2019 18:15

Instrument :

BNA_F

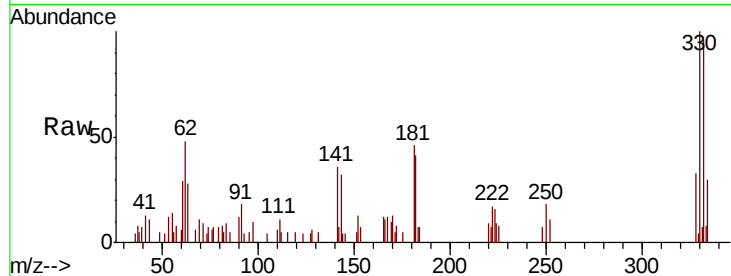
ClientSampleId :

OR-03-020719-B

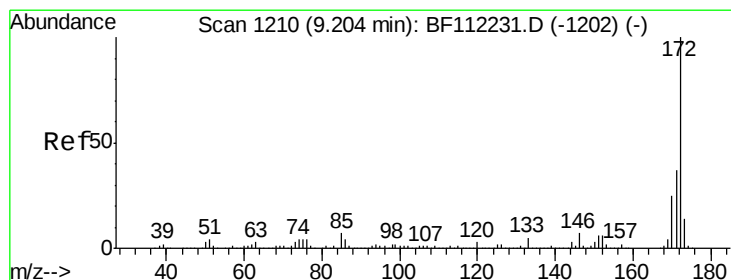
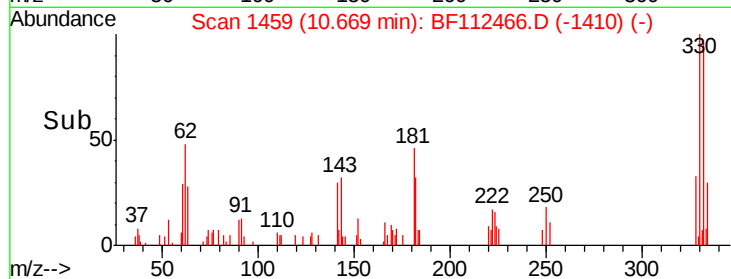
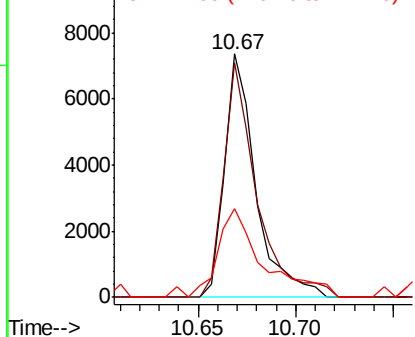
Tot Ion:	330	Resp:	8191
Ion Ratio	Lower	Upper	
330	100		
332	101.3	76.6	114.8
141	53.5	24.3	36.5#

Manual Integrations
APPROVED

Sohil
2/11/2019 10:00:42 AM



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: 3.750 ng

RT: 9.19 min Scan# 1207

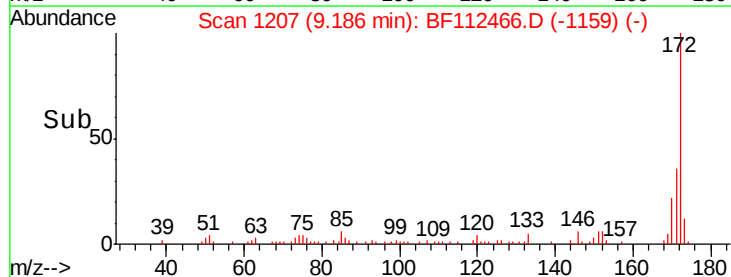
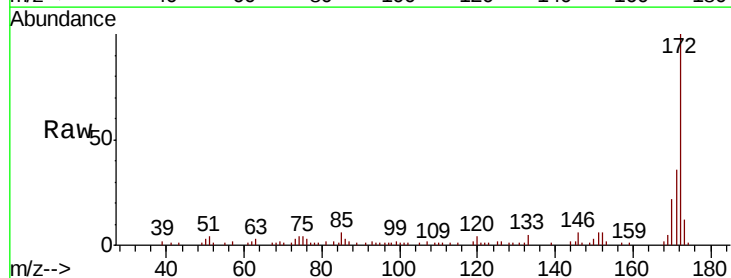
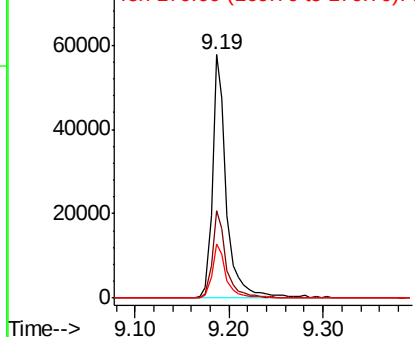
Delta R.T. -0.02 min

Lab File: BF112466.D

Acq: 8 Feb 2019 18:15

Tgt Ion:	172	Resp:	61198
Ion Ratio	Lower	Upper	
172	100		
171	35.9	30.5	45.7
170	22.0	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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112466.D

Acq: 8 Feb 2019 18:15

Instrument :

BNA_F

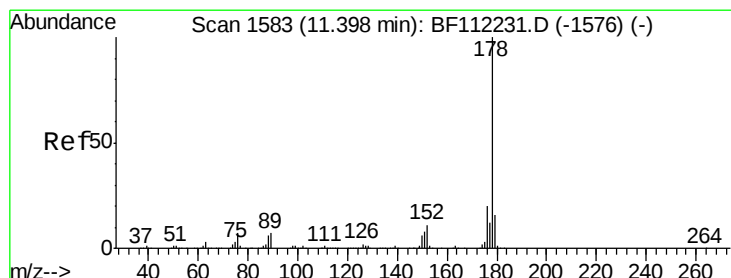
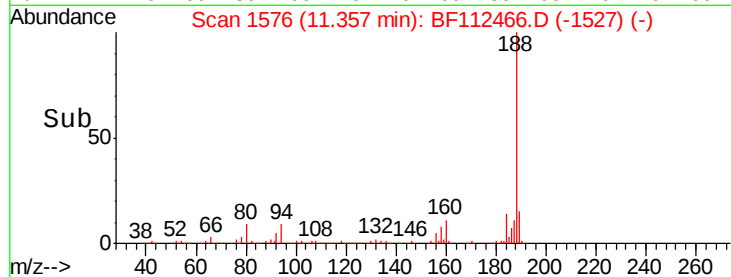
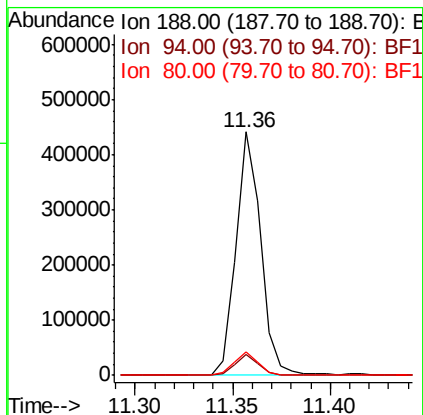
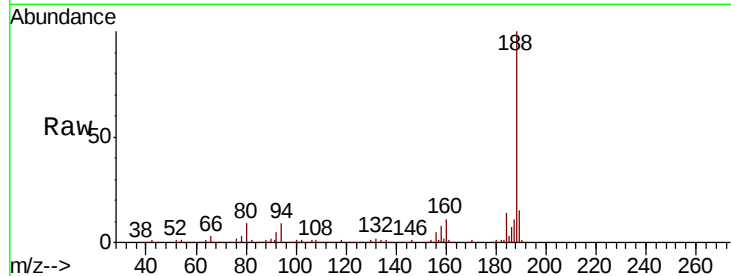
ClientSampleId :

OR-03-020719-B

Tot Ion:	188	Resp:	388960
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.2	12.2
80	9.5	8.9	13.3

Manual Integrations
APPROVED

Sohil
2/11/2019 10:00:42 AM



#71

Phenanthrene

Concen: 8.850 ng

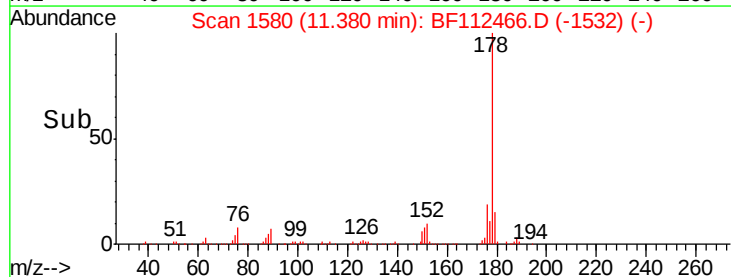
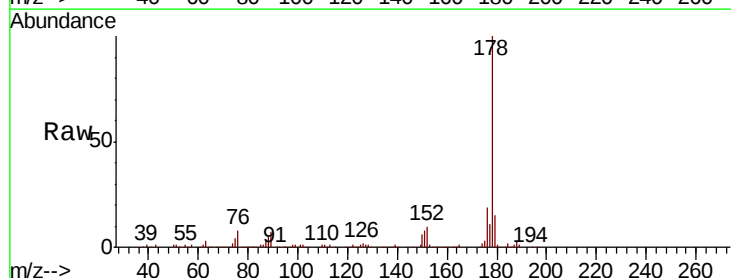
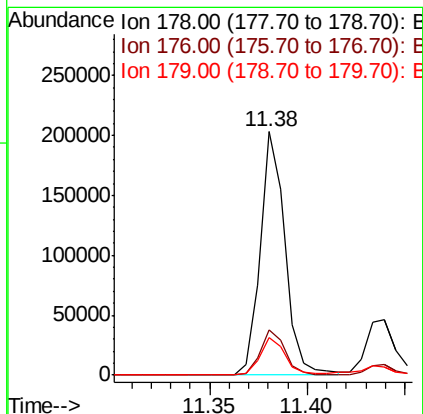
RT: 11.38 min Scan# 1580

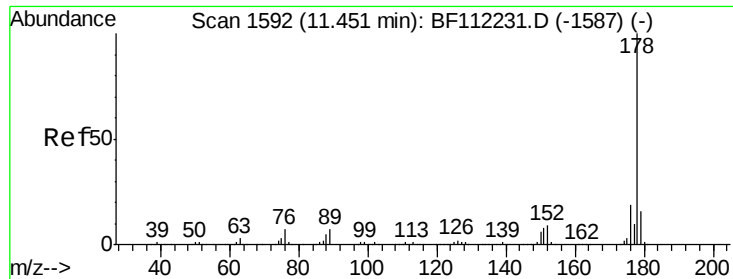
Delta R.T. -0.02 min

Lab File: BF112466.D

Acq: 8 Feb 2019 18:15

Tgt Ion:	178	Resp:	178960
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.3	24.5
179	15.5	13.0	19.4





#72

Anthracene

Concen: 2.417 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF112466.D

Acq: 8 Feb 2019 18:15

Instrument :

BNA_F

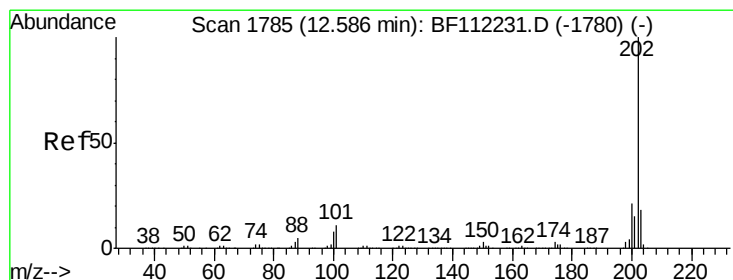
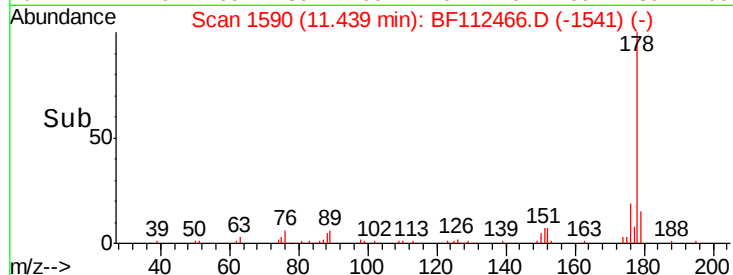
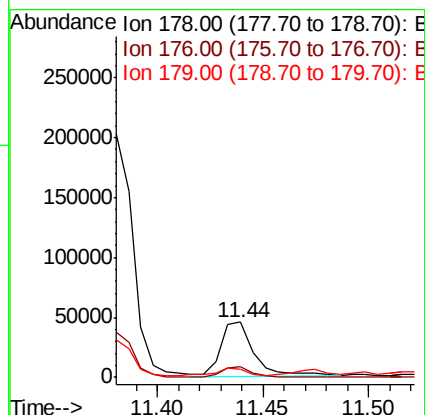
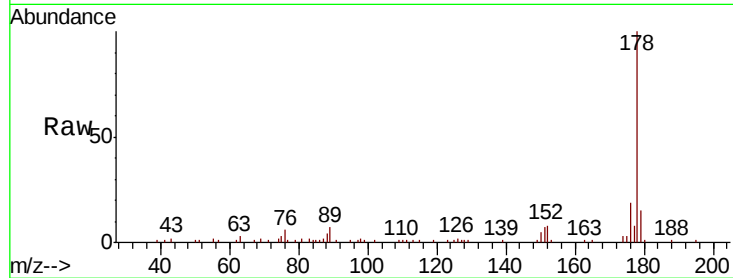
ClientSampleId :

OR-03-020719-B

Tot Ion:	178	Resp:	48694
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.5	23.3
179	15.3	12.8	19.2

Manual Integrations
APPROVED

Sohil
2/11/2019 10:00:42 AM



#75

Fluoranthene

Concen: 8.551 ng

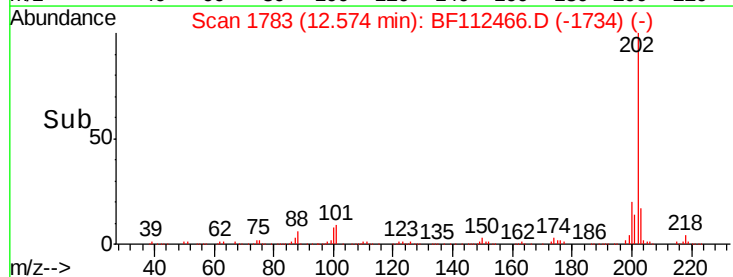
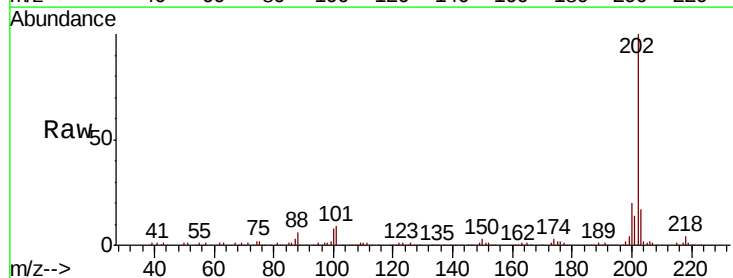
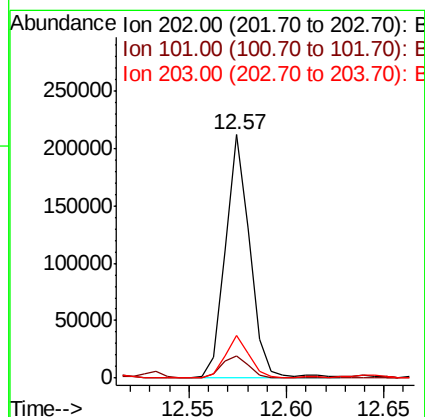
RT: 12.57 min Scan# 1783

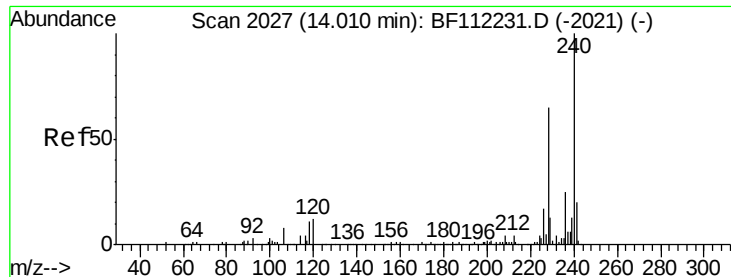
Delta R.T. -0.01 min

Lab File: BF112466.D

Acq: 8 Feb 2019 18:15

Tgt Ion:	202	Resp:	185455
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	31.8
203	17.4	0.0	38.4





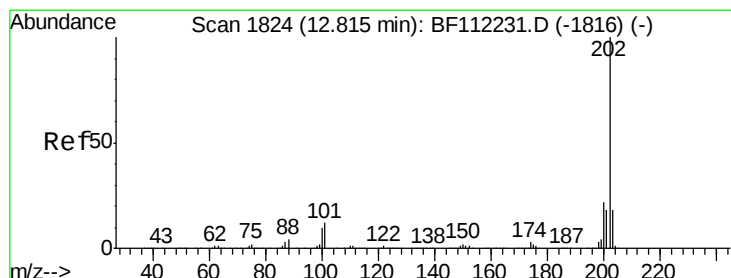
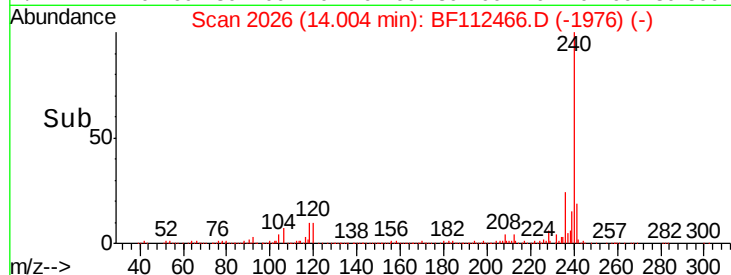
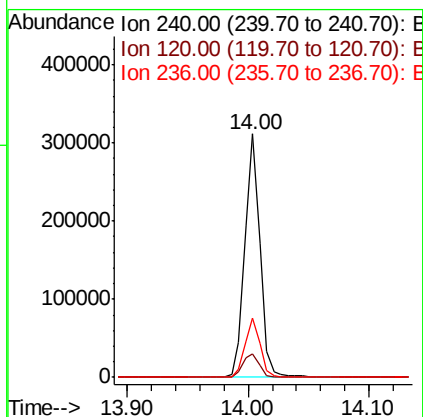
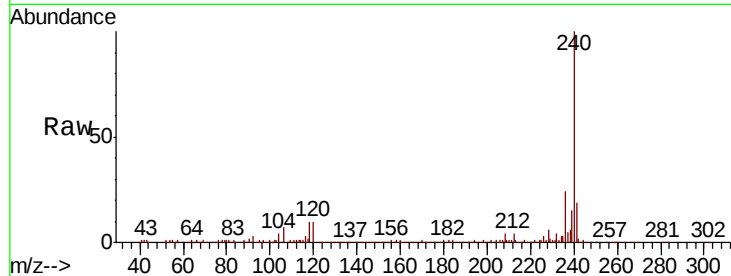
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112466.D
Acq: 8 Feb 2019 18:15

Instrument :
BNA_F
ClientSampleId :
OR-03-020719-B

Tot Ion	Ratio	Resp	Lower	Upper
240	100	275029		
120	9.5		9.0	13.6
236	24.4		20.7	31.1

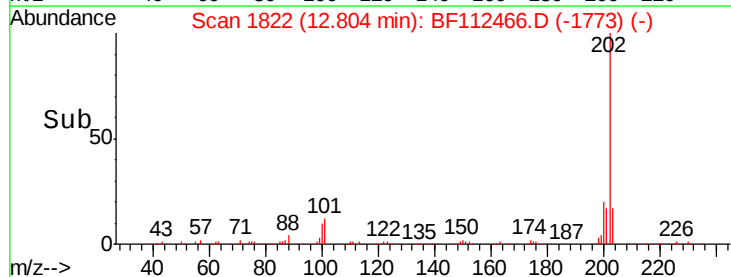
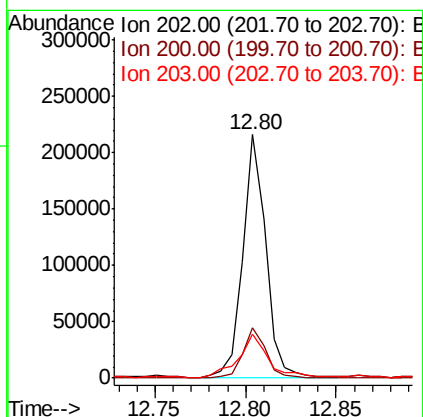
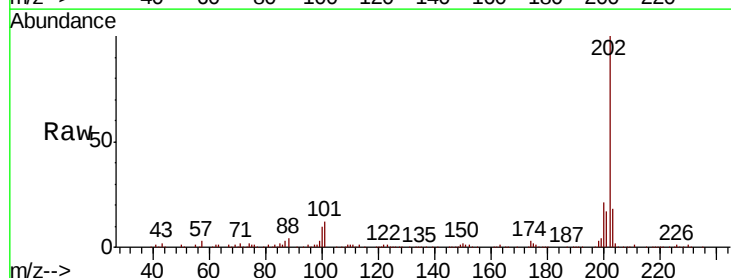
Manual Integrations
APPROVED

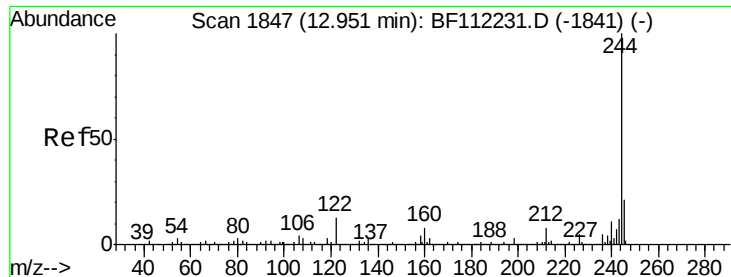
Sohil
2/11/2019 10:00:42 AM



#78
Pyrene
Concen: 9.978 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112466.D
Acq: 8 Feb 2019 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	189987		
200	20.6		17.7	26.5
203	18.1		14.6	22.0





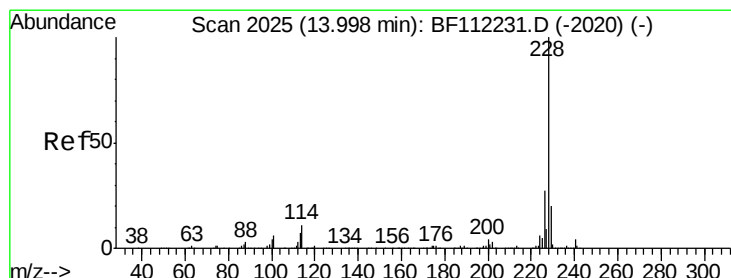
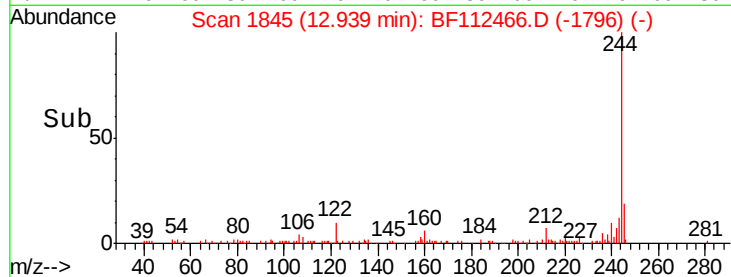
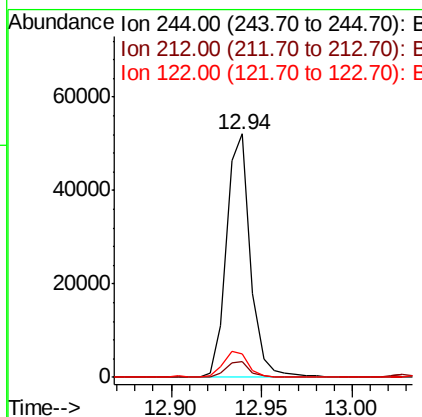
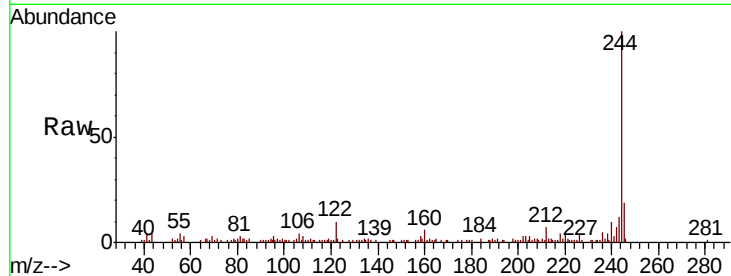
#79
 Terphenyl-d14
 Concen: 3.282 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112466.D
 Acq: 8 Feb 2019 18:15

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-020719-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.9	8.9
122	9.5	9.8	14.6

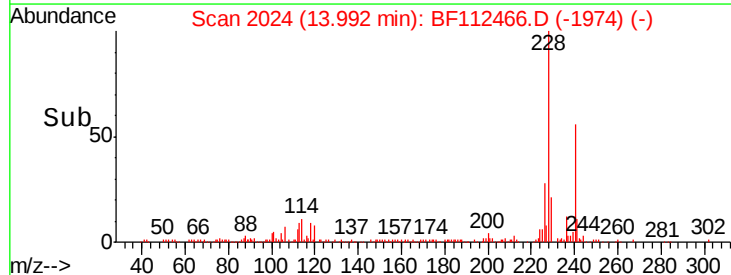
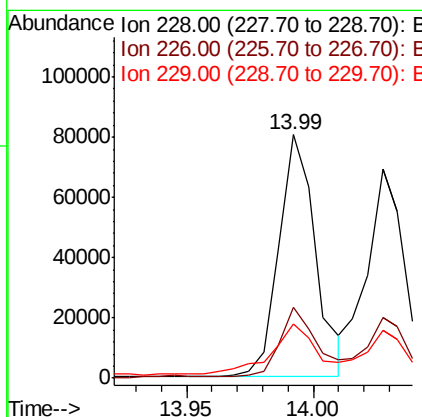
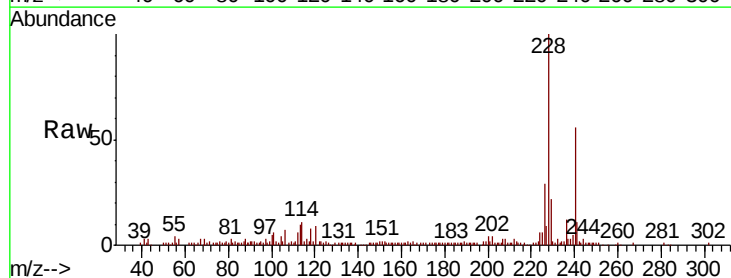
Manual Integrations
 APPROVED

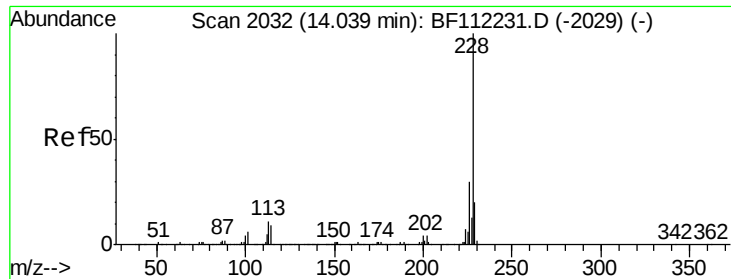
Sohil
 2/11/2019 10:00:42 AM



#81
 Benzo(a)anthracene
 Concen: 4.978 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF112466.D
 Acq: 8 Feb 2019 18:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	22.4	16.5	24.7





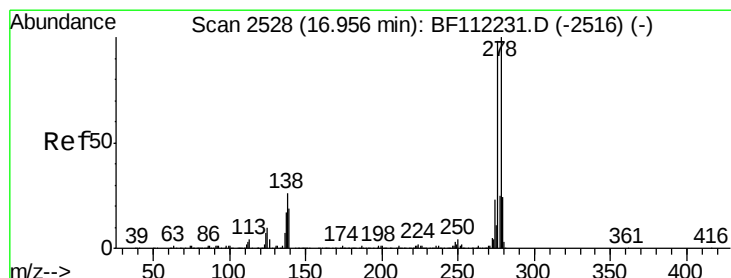
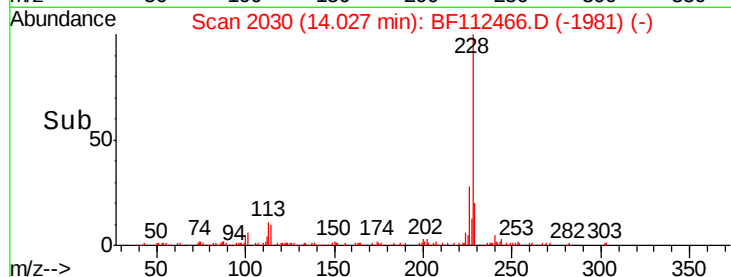
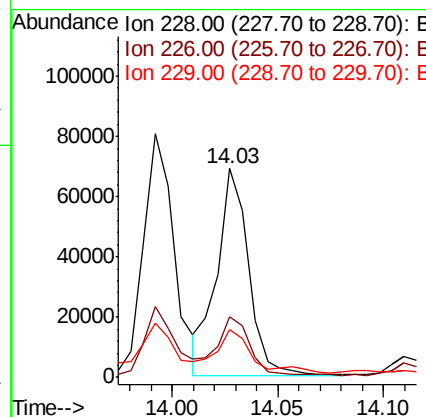
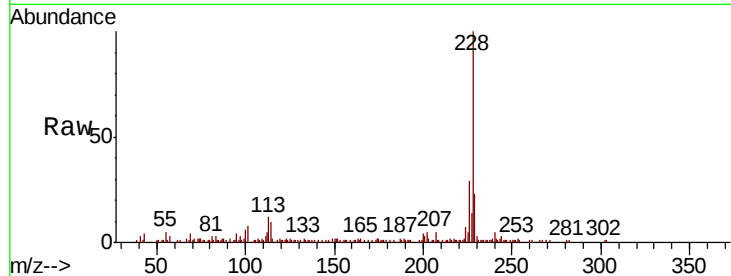
#83
Chrysene
Concen: 4.687 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112466.D
Acq: 8 Feb 2019 18:15

Instrument :
BNA_F
ClientSampleId :
OR-03-020719-B

Tot Ion:	228	Resp:	72327
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.0	37.6
229	23.2	16.6	24.8

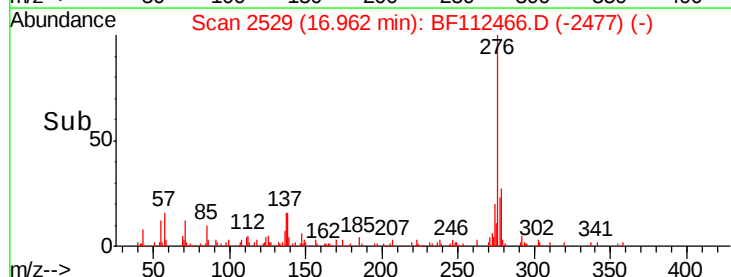
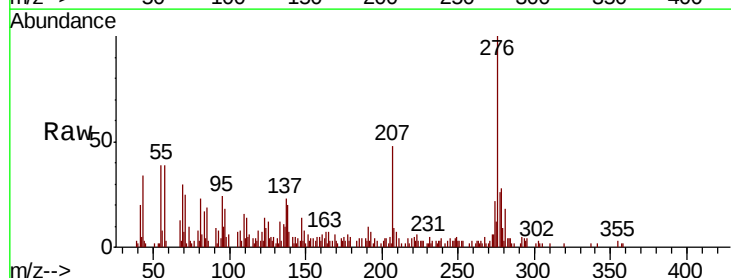
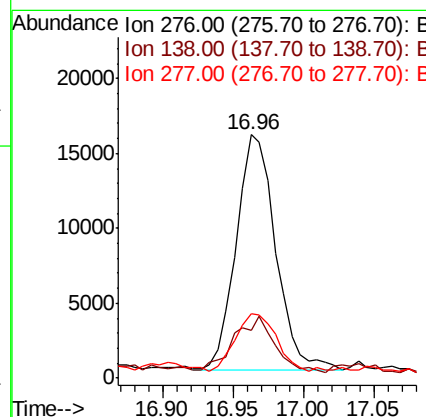
Manual Integrations
APPROVED

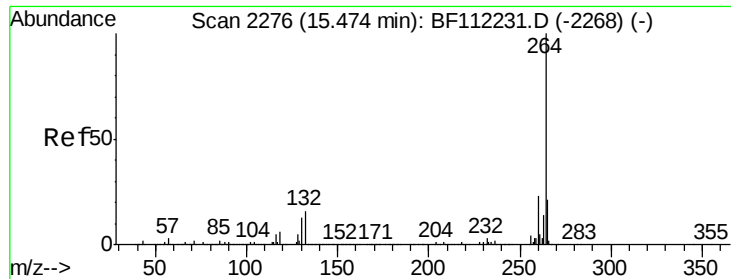
Sohil
2/11/2019 10:00:42 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.504 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF112466.D
Acq: 8 Feb 2019 18:15

Tgt Ion:	276	Resp:	30625
Ion Ratio	Lower	Upper	
276	100		
138	24.9	22.6	34.0
277	26.5	20.3	30.5





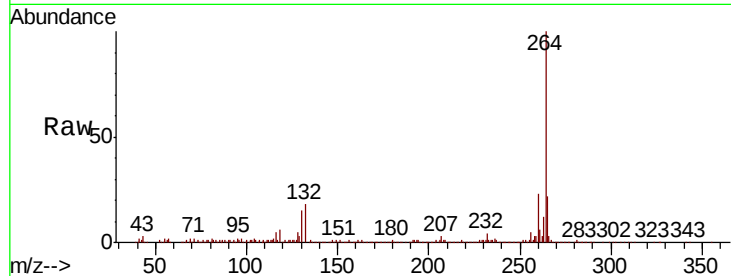
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112466.D
Acq: 8 Feb 2019 18:15

Instrument :
BNA_F
ClientSampleId :
OR-03-020719-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.2
265	21.6	17.0	25.4

Manual Integrations
APPROVED

Sohil
2/11/2019 10:00:42 AM

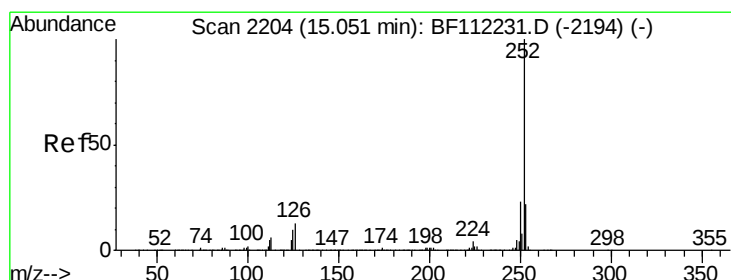
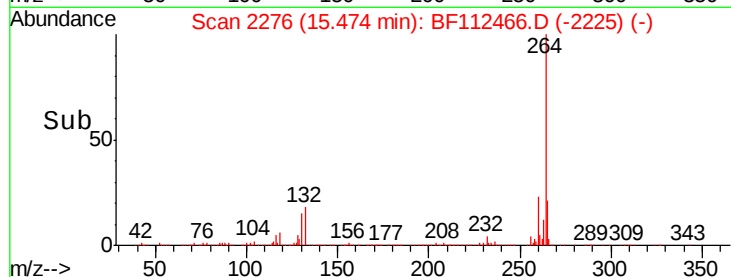
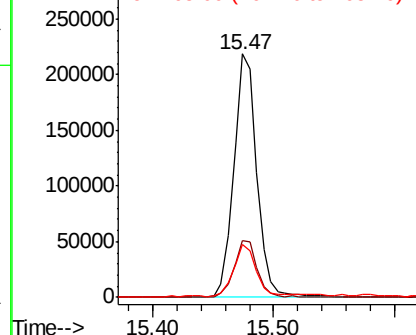


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 4.821 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BF112466.D
Acq: 8 Feb 2019 18:15

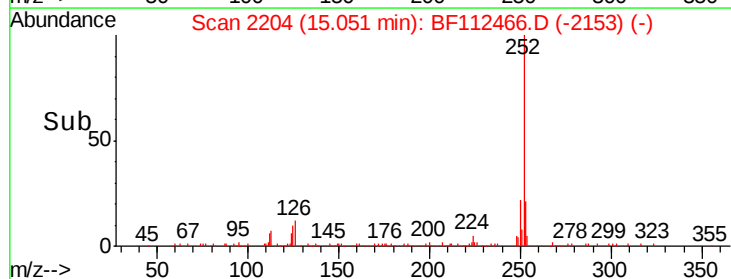
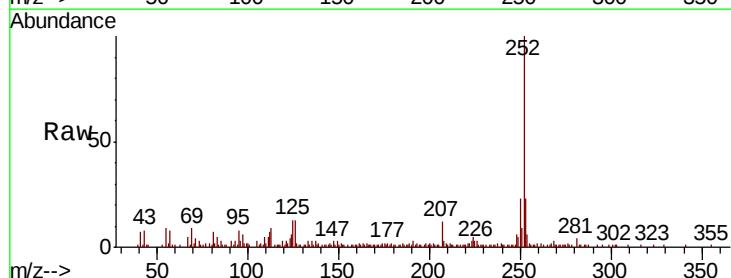
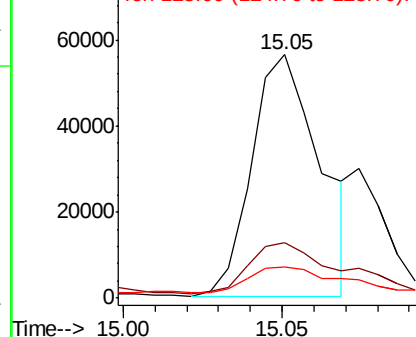
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	13.0	8.7	13.1

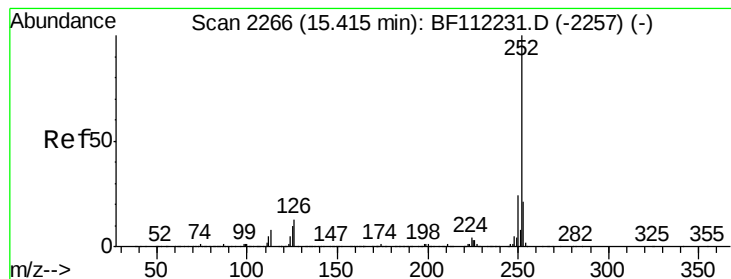
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





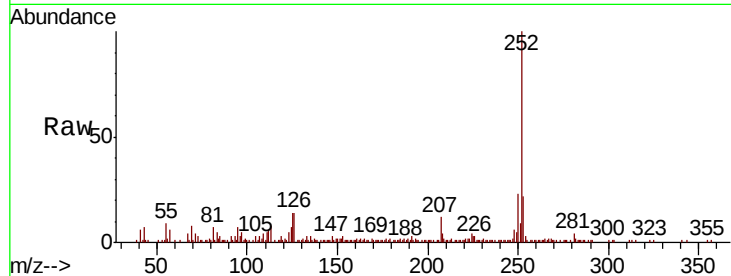
#90
Benzo(a)pyrene
Concen: 4.249 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112466.D
Acq: 8 Feb 2019 18:15

Instrument :
BNA_F
ClientSampleId :
OR-03-020719-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	14.1	9.0	13.4

Manual Integrations
APPROVED

Sohil
2/11/2019 10:00:42 AM

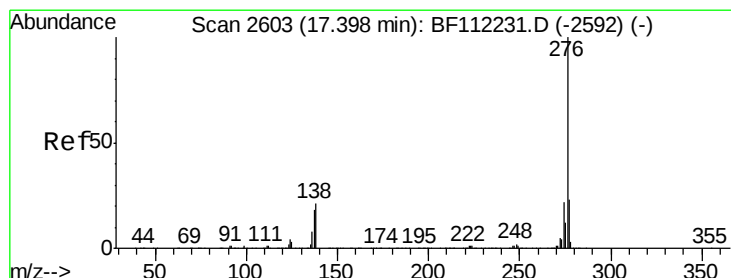
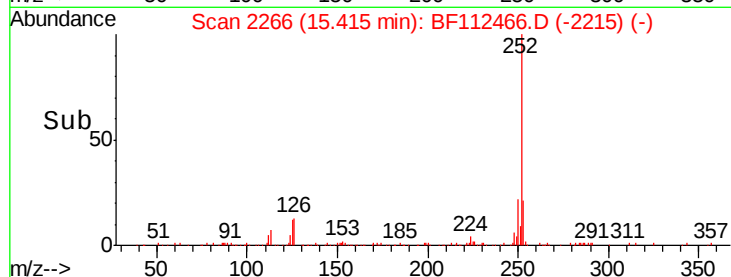
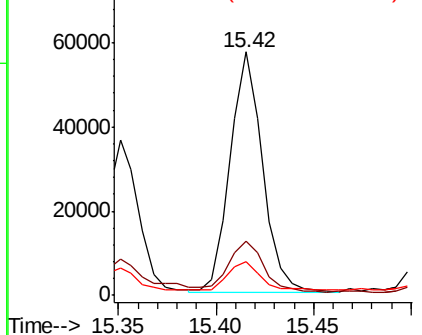


Abundance

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



#92
Benzo(g,h,i)perylene
Concen: 2.476 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.02 min
Lab File: BF112466.D
Acq: 8 Feb 2019 18:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.1	19.4	29.0
138	26.8	19.1	28.7

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

