

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
 Data File : BF114164.D
 Acq On : 11 May 2019 20:29
 Operator : JU/SJ
 Sample : K2765-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-1218-01

Manual Integrations
 APPROVED

Sohil
 5/13/2019 8:35:52 PM

Quant Time: May 13 07:58:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	270792	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1023874	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	505027	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	1042145	20.00	ng	0.00
76) Chrysene-d12	14.00	240	758170	20.00	ng	-0.02
87) Perylene-d12	15.47	264	722005	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1811697	107.67	ng	0.00
7) Phenol-d6	6.49	99	2450211	123.11	ng	0.00
23) Nitrobenzene-d5	7.41	82	1496907	82.05	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	595532	114.06	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2357022	70.60	ng	0.00
79) Terphenyl-d14	12.95	244	2474192	67.27	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	525990	14.188	ng	99
75) Fluoranthene	12.57	202	205489	3.764	ng	97
78) Pyrene	12.80	202	382621	6.273	ng	97
81) Benzo(a)anthracene	13.99	228	130531m	2.662	ng	
83) Chrysene	14.03	228	182600	3.799	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	94499	2.224	ng	97
88) Benzo(b)fluoranthene	15.05	252	179352m	3.877	ng	
90) Benzo(a)pyrene	15.41	252	103925	2.553	ng	99
92) Benzo(g,h,i)perylene	17.37	276	116622	3.440	ng	98

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

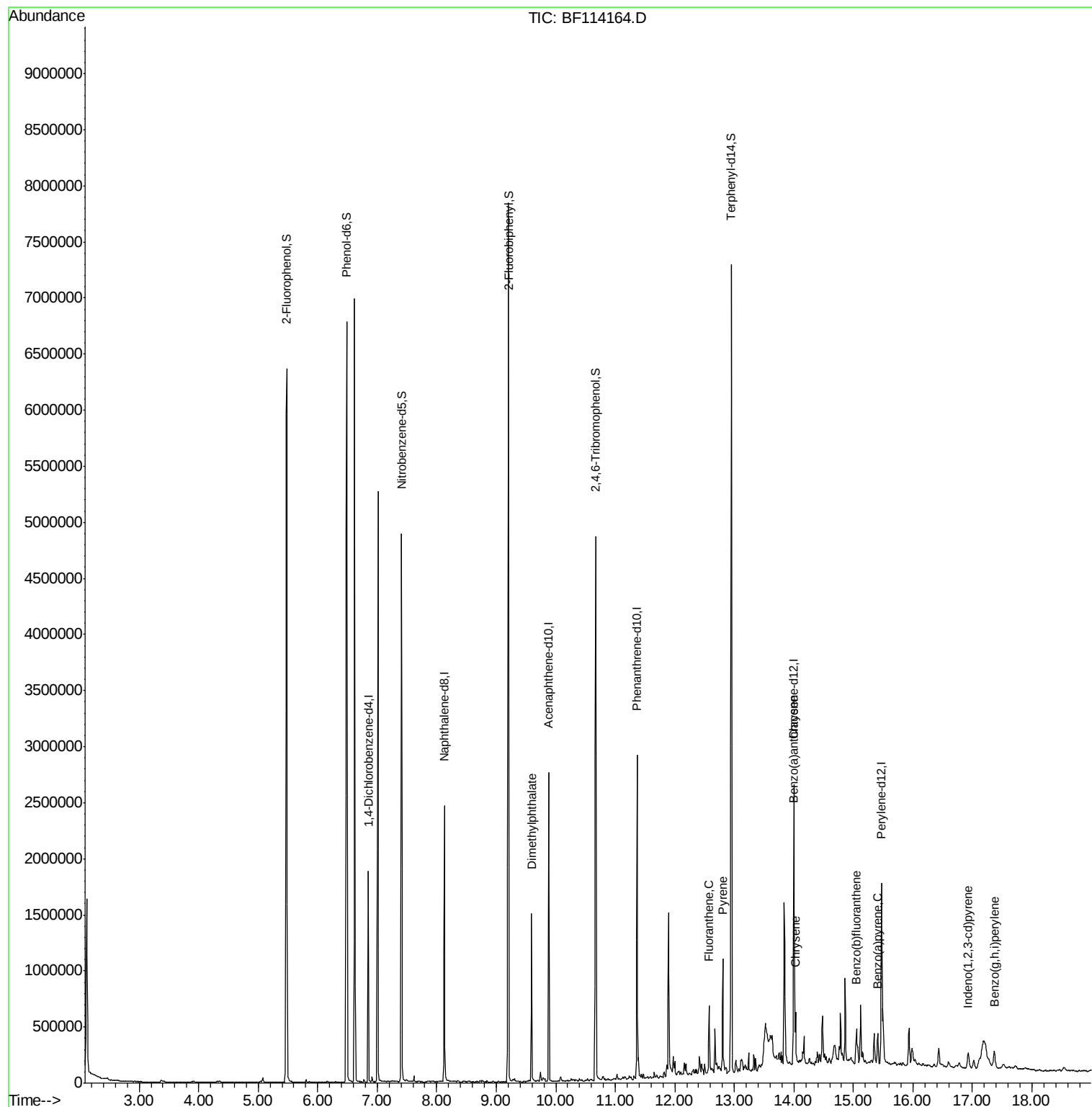
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114164.D
Acq On : 11 May 2019 20:29
Operator : JU/SJ
Sample : K2765-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

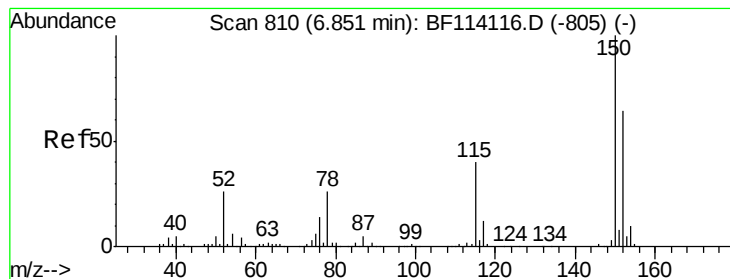
Instrument :
BNA_F
ClientSampleId :
P026-SS004-1218-01

Manual Integrations
APPROVED

Sohil
5/13/2019 8:35:52 PM

Quant Time: May 13 07:58:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





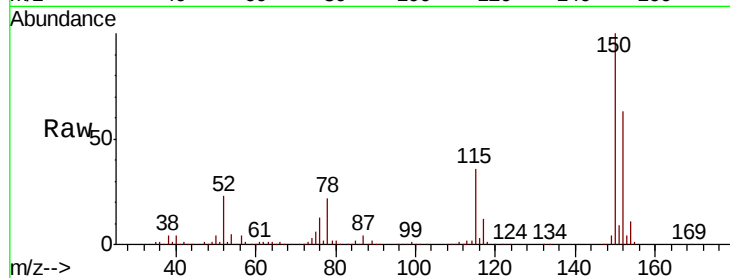
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF114164.D
 Acq: 11 May 2019 20:29

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-1218-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.3	186.5
115	57.0	49.1	73.7

Manual Integrations
 APPROVED

Sohil
 5/13/2019 8:35:52 PM

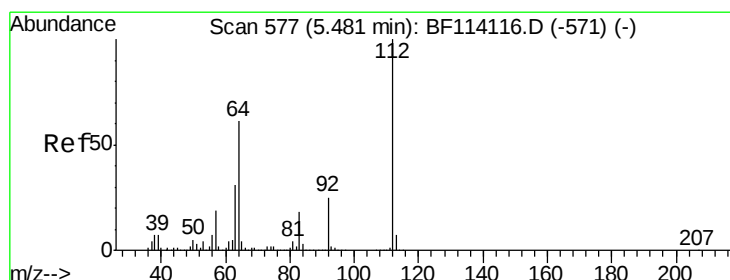
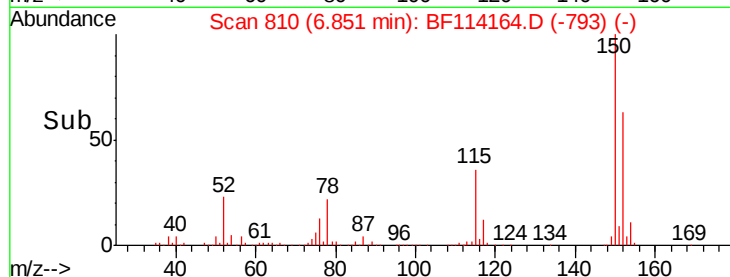
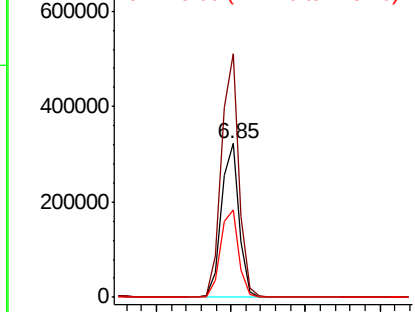


Abundance

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: 107.665 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF114164.D
 Acq: 11 May 2019 20:29

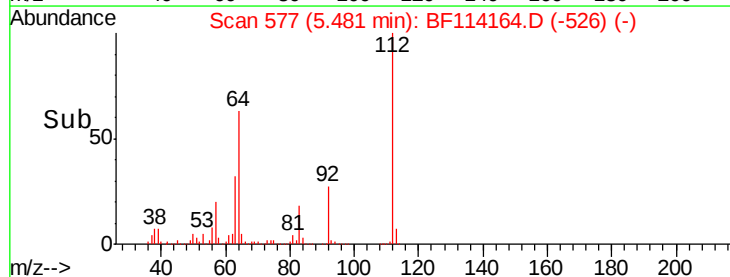
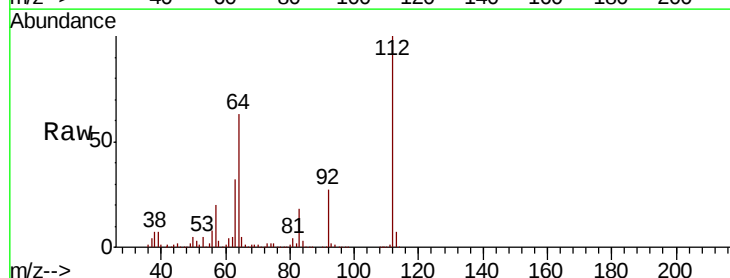
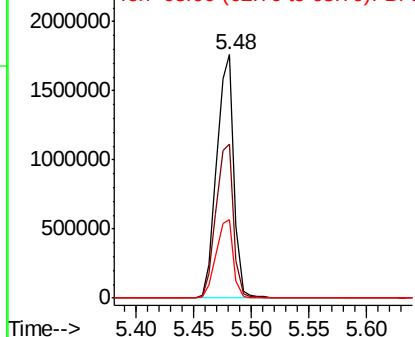
Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	49.0	73.6
63	32.5	24.6	37.0

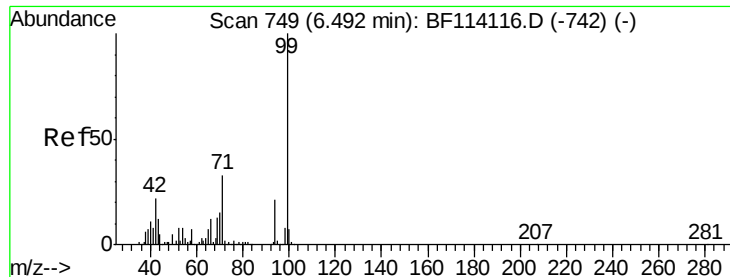
Abundance

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: 123.114 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114164.D

Acq: 11 May 2019 20:29

Instrument :

BNA_F

ClientSampleId :

P026-SS004-1218-01

Tot Ion: 99 Resp: 2450211

Ion Ratio Lower Upper

99 100

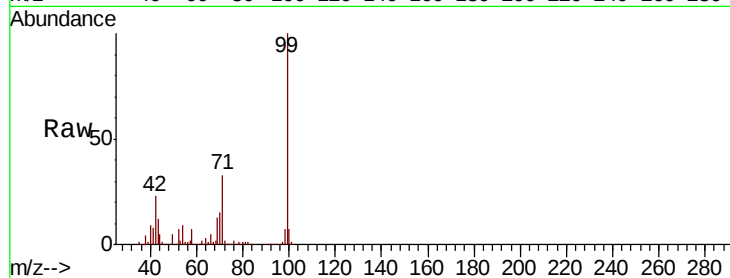
42 22.8 17.9 26.9

71 33.2 26.2 39.2

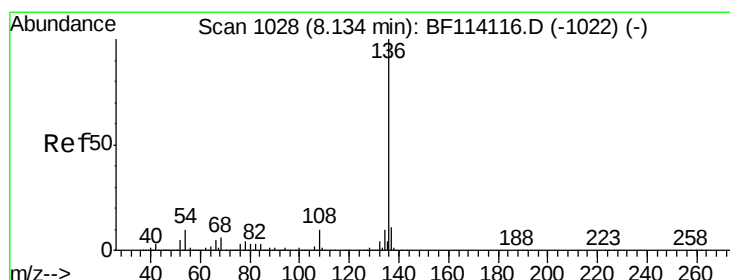
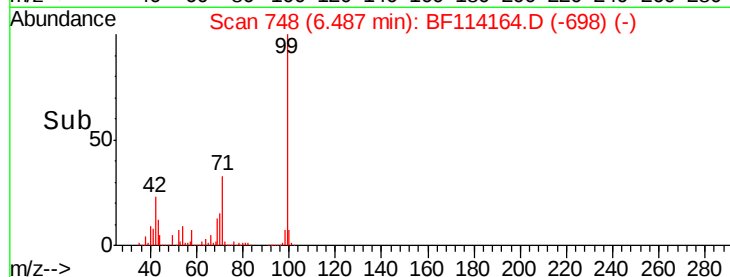
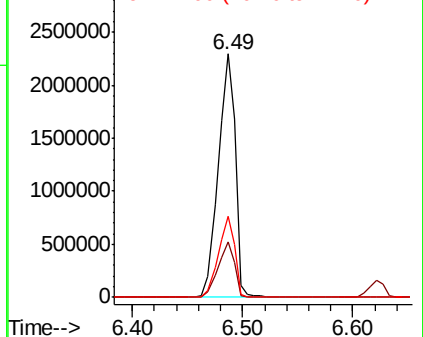
Manual Integrations
APPROVED

Sohil

5/13/2019 8:35:52 PM



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114164.D

Acq: 11 May 2019 20:29

Tgt Ion: 136 Resp: 1023874

Ion Ratio Lower Upper

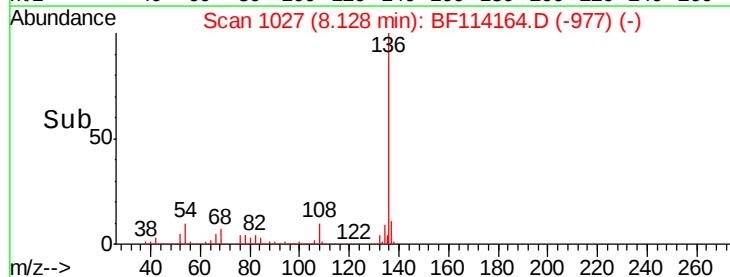
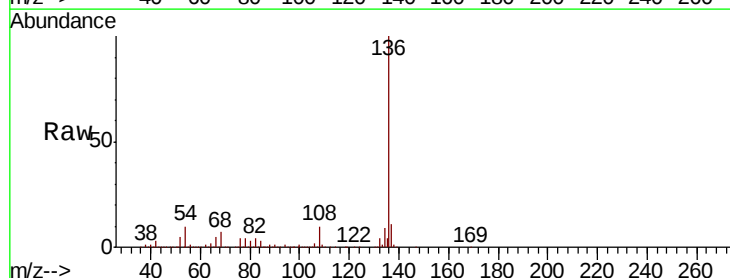
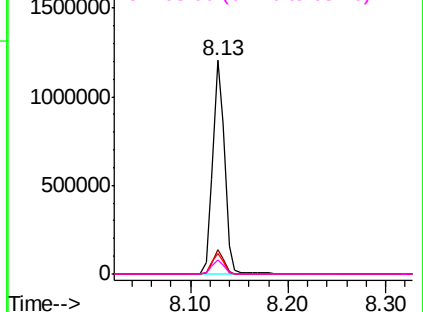
136 100

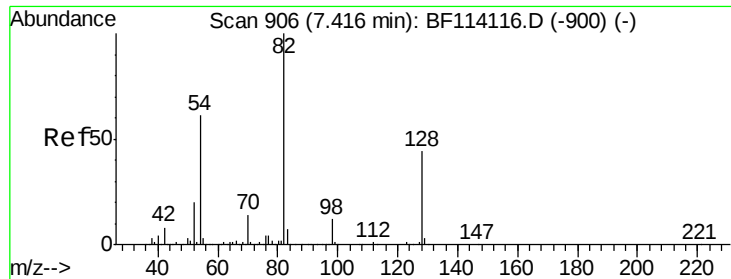
137 11.4 8.8 13.2

54 9.6 7.8 11.8

68 6.6 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





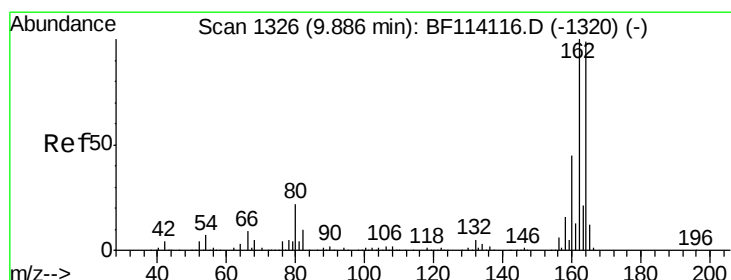
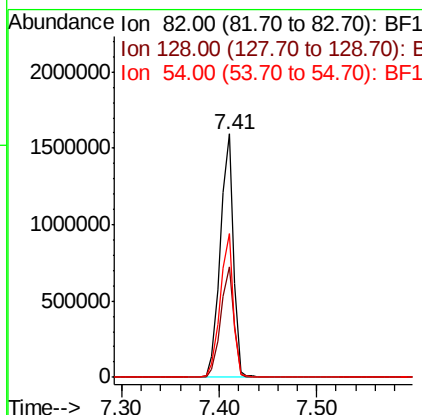
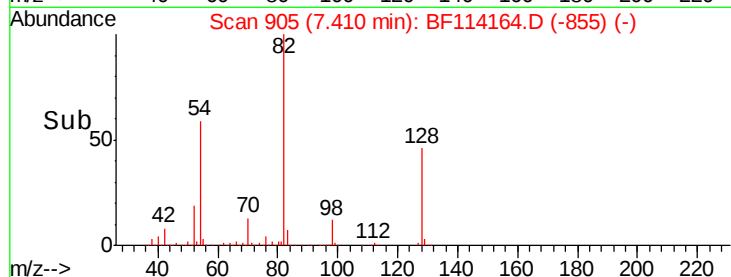
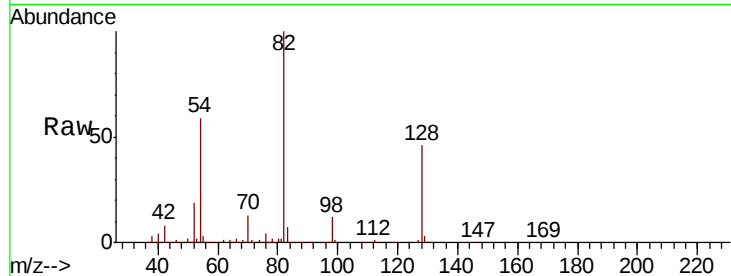
#23
Nitrobenzene-d5
Concen: 82.048 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114164.D
Acq: 11 May 2019 20:29

Instrument :
BNA_F
ClientSampleId :
P026-SS004-1218-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	35.5	53.3
54	59.1	48.5	72.7

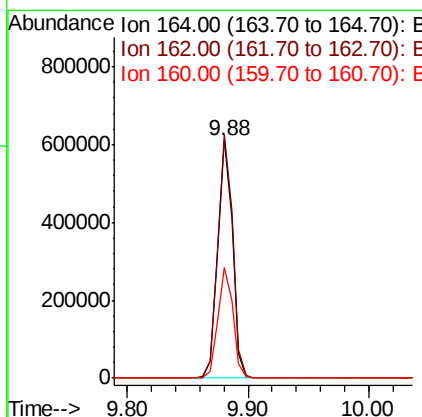
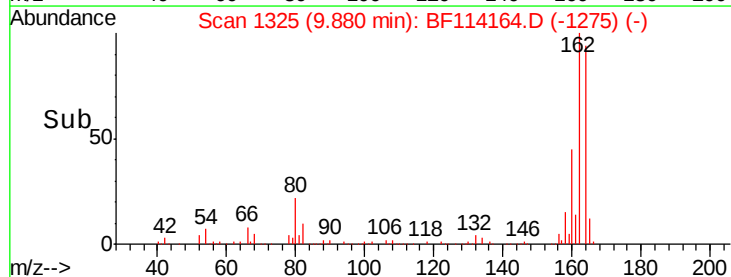
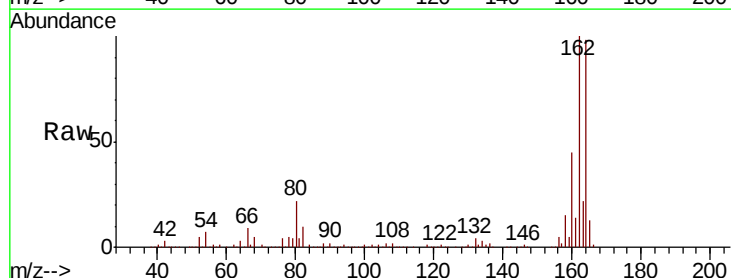
Manual Integrations
APPROVED

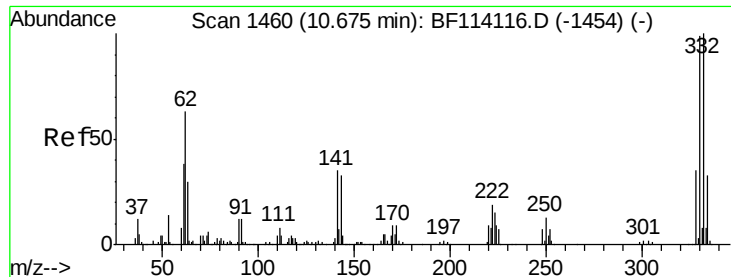
Sohil
5/13/2019 8:35:52 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114164.D
Acq: 11 May 2019 20:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	120.8
160	46.1	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 114.062 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114164.D

Acq: 11 May 2019 20:29

Instrument :

BNA_F

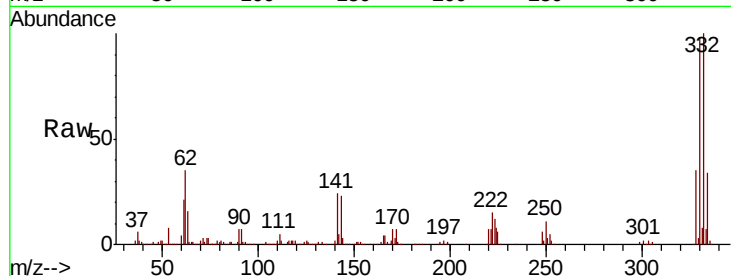
ClientSampleId :

P026-SS004-1218-01

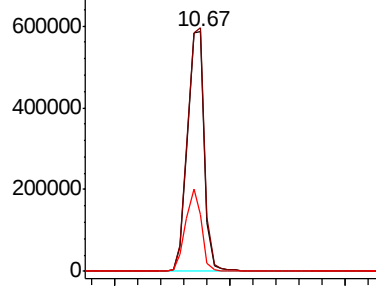
Tot Ion:	330	Resp:	595532
Ion Ratio	Lower	Upper	
330	100		
332	102.1	81.4	122.2
141	32.8	26.6	40.0

Manual Integrations
APPROVED

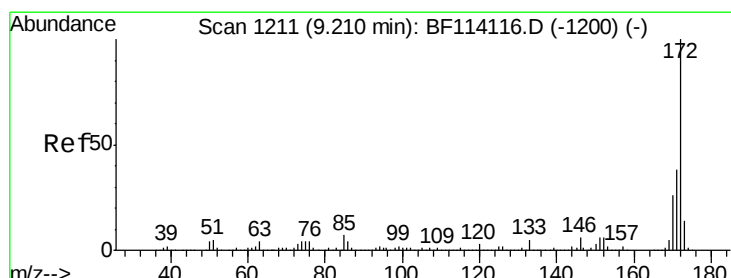
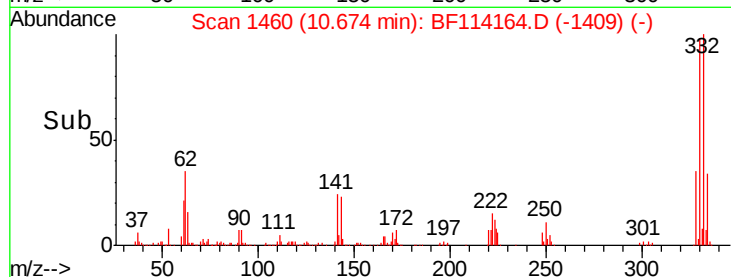
Sohil
5/13/2019 8:35:52 PM



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



Time-->



#45

2-Fluorobiphenyl

Concen: 70.598 ng

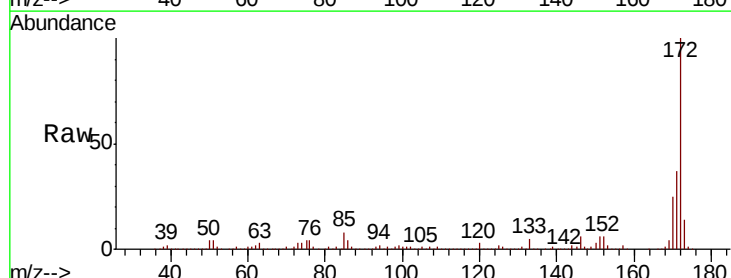
RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

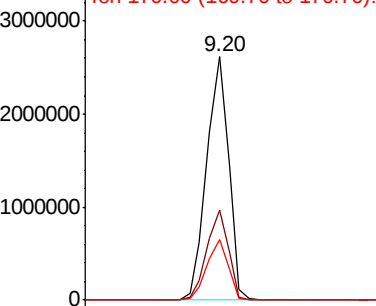
Lab File: BF114164.D

Acq: 11 May 2019 20:29

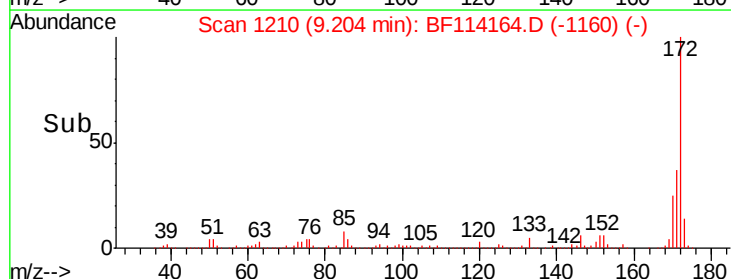
Tgt Ion:	172	Resp:	2357022
Ion Ratio	Lower	Upper	
172	100		
171	36.9	30.7	46.1
170	24.9	20.5	30.7

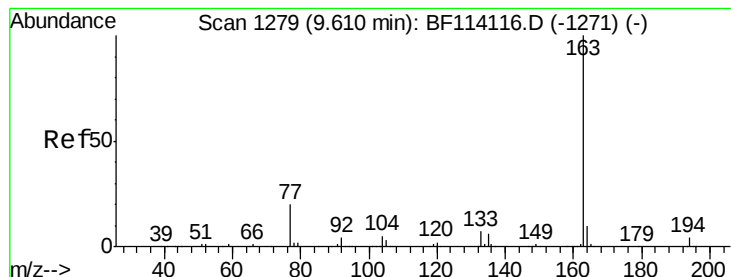


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



Time-->





#50

Dimethylphthalate

Concen: 14.188 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF114164.D

Acq: 11 May 2019 20:29

Instrument :

BNA_F

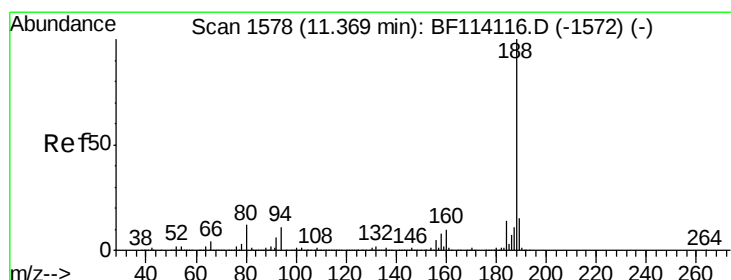
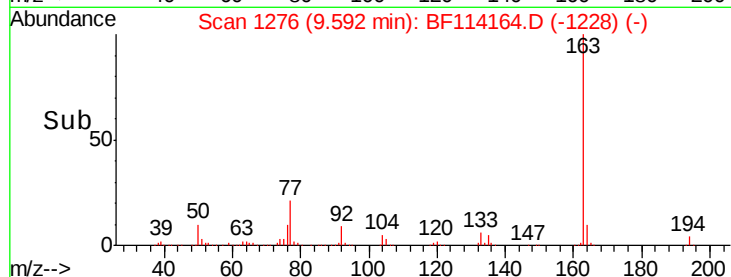
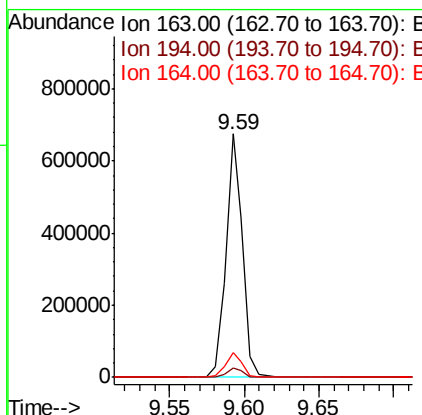
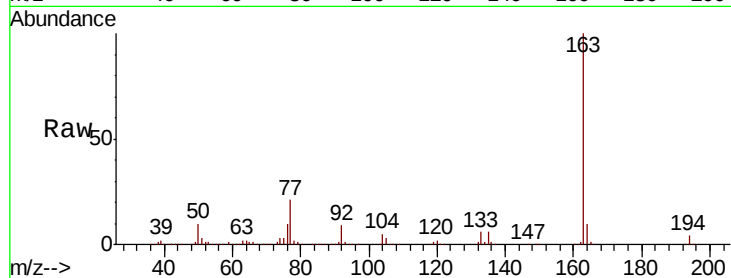
ClientSampleId :

P026-SS004-1218-01

Tot Ion:	163	Resp:	525990
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.4	5.0
164	9.9	8.2	12.2

Manual Integrations
APPROVED

Sohil
5/13/2019 8:35:52 PM



#64

Phenanthrene-d10

Concen: 20.000 ng

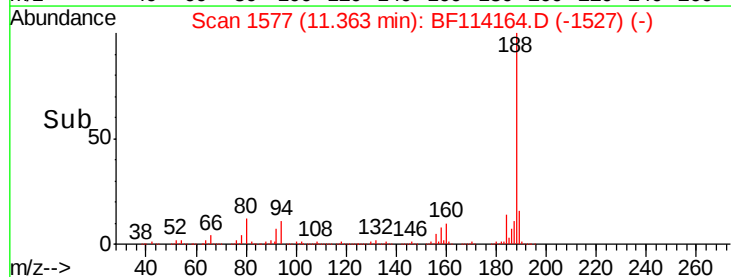
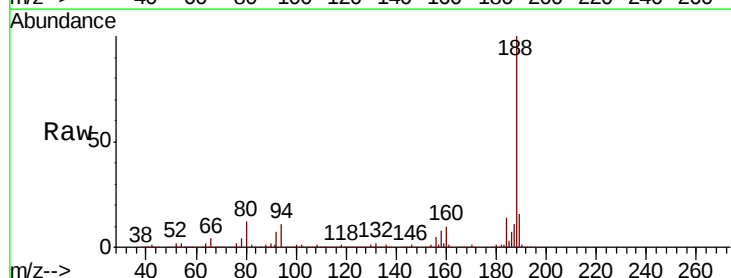
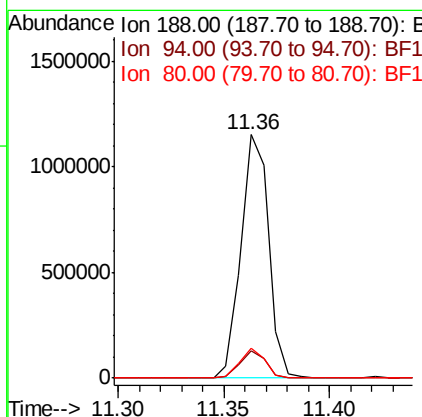
RT: 11.36 min Scan# 1577

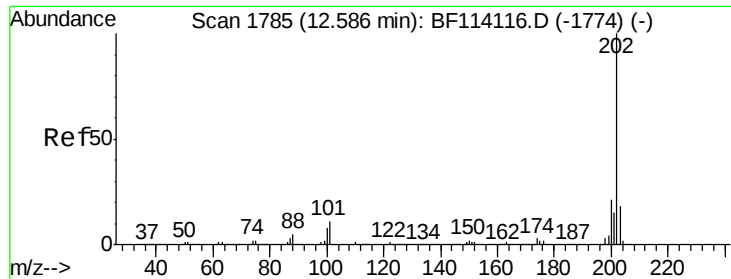
Delta R.T. -0.01 min

Lab File: BF114164.D

Acq: 11 May 2019 20:29

Tgt Ion:	188	Resp:	1042145
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.4	12.6
80	12.2	9.2	13.8





#75

Fluoranthene

Concen: 3.764 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF114164.D

Acq: 11 May 2019 20:29

Instrument :

BNA_F

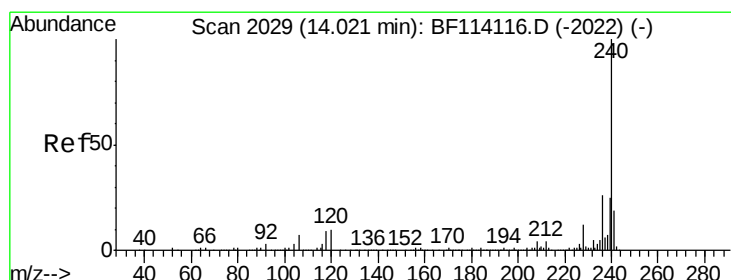
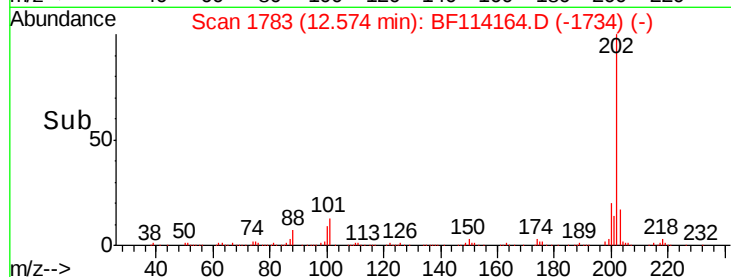
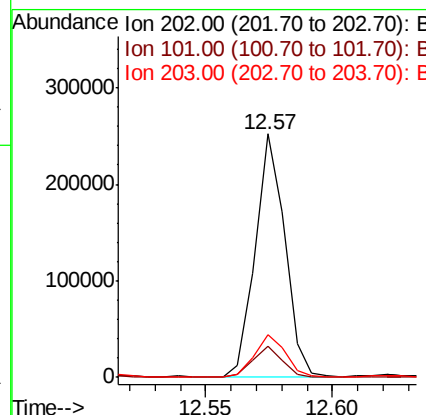
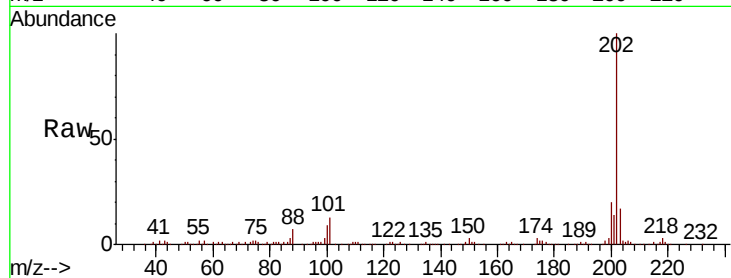
ClientSampleId :

P026-SS004-1218-01

Tot Ion	Ratio	Resp	Lower	Upper
202	100	205489		
101	12.9	0.0	31.0	
203	17.5	0.0	38.4	

Manual Integrations
APPROVED

Sohil
5/13/2019 8:35:52 PM



#76

Chrysene-d12

Concen: 20.000 ng

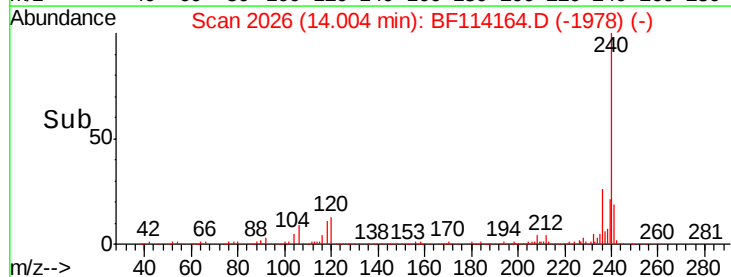
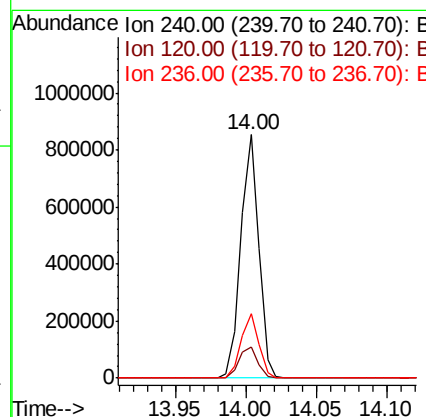
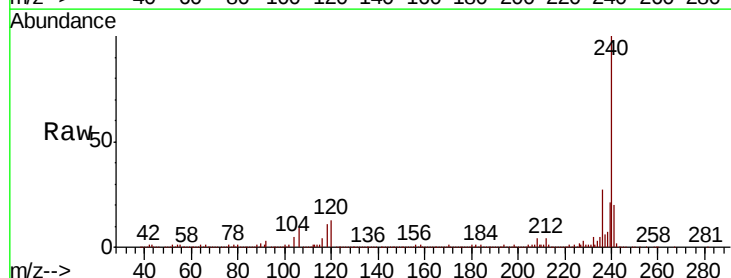
RT: 14.00 min Scan# 2026

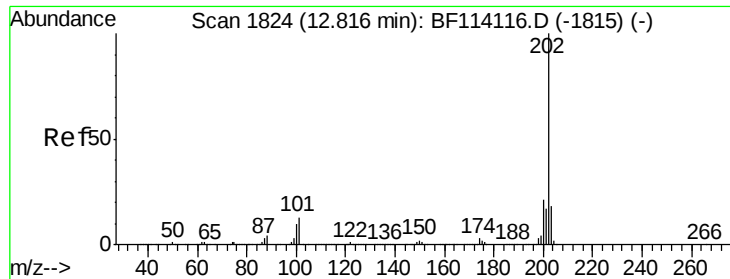
Delta R.T. -0.02 min

Lab File: BF114164.D

Acq: 11 May 2019 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	758170		
120	12.7	8.3	12.5#	
236	26.5	20.8	31.2	





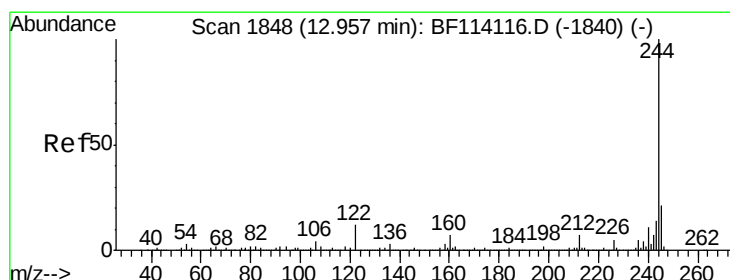
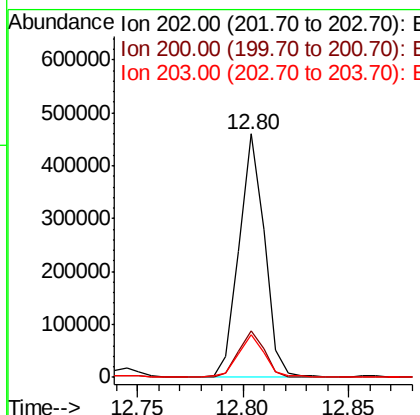
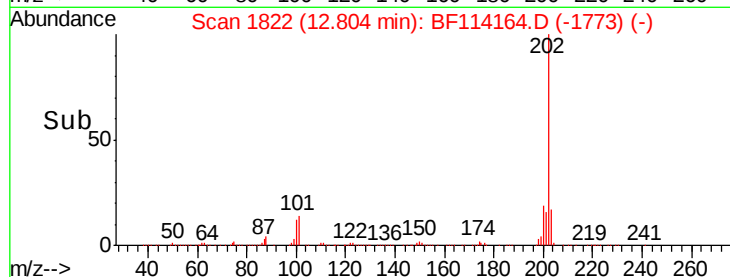
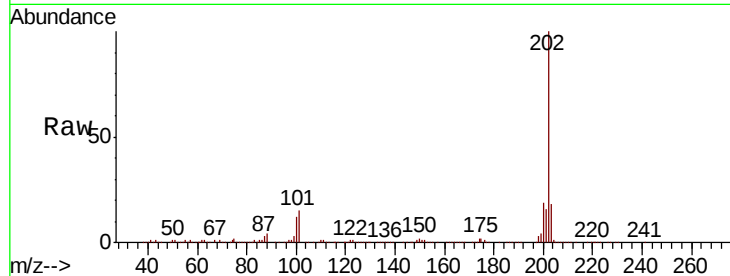
#78
Pvrene
Concen: 6.273 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF114164.D
Acq: 11 May 2019 20:29

Instrument :
BNA_F
ClientSampleId :
P026-SS004-1218-01

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.3	16.9	25.3
203	17.6	14.5	21.7

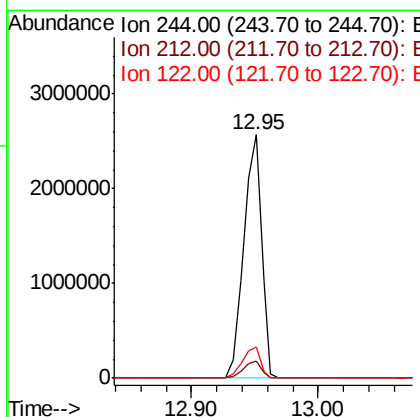
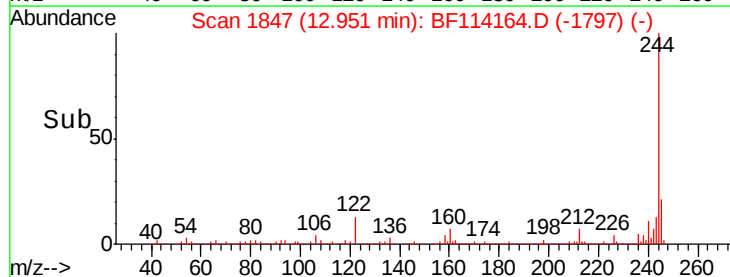
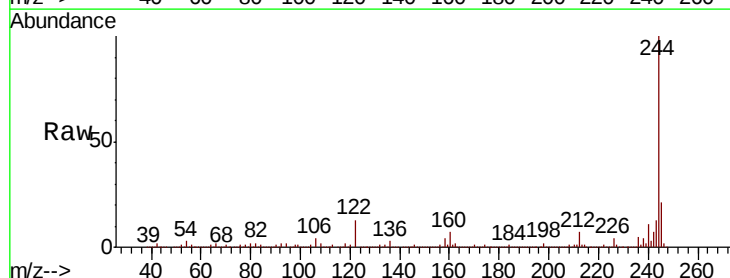
Manual Integrations
APPROVED

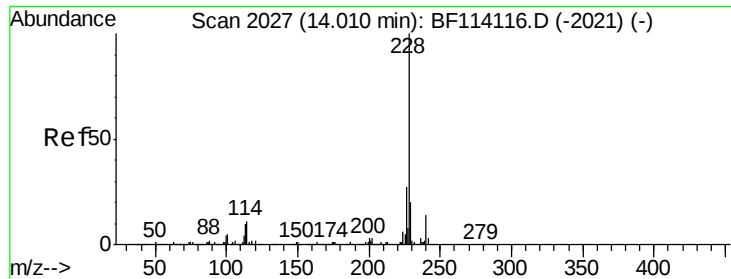
Sohil
5/13/2019 8:35:52 PM



#79
Terphenyl-d14
Concen: 67.272 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF114164.D
Acq: 11 May 2019 20:29

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.8	8.6
122	12.6	9.4	14.2





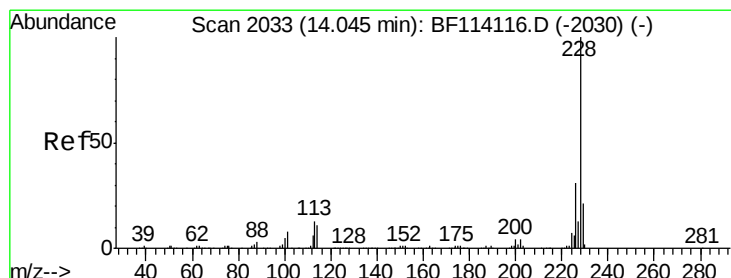
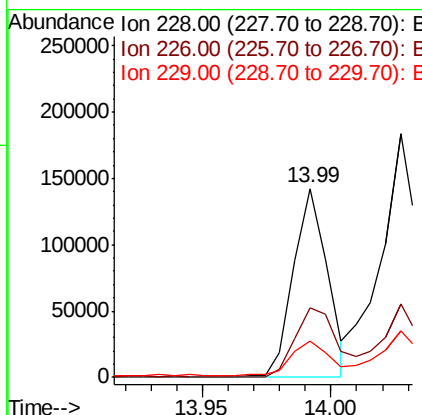
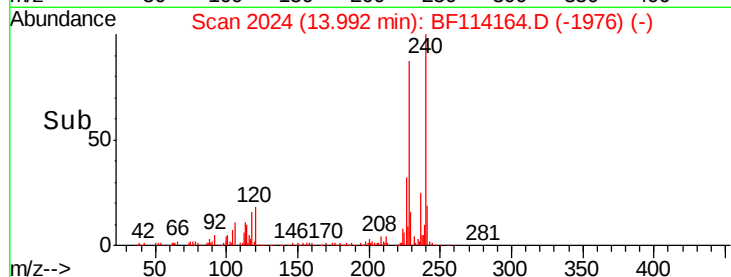
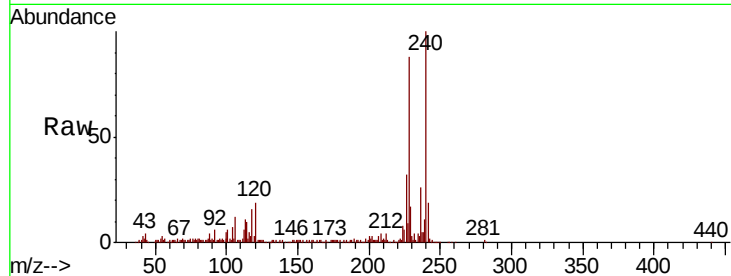
#81
Benzo(a)anthracene
Concen: 2.662 ng m
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF114164.D
Acq: 11 May 2019 20:29

Instrument :
BNA_F
ClientSampleId :
P026-SS004-1218-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.0	22.2	33.2#
229	19.3	16.4	24.6

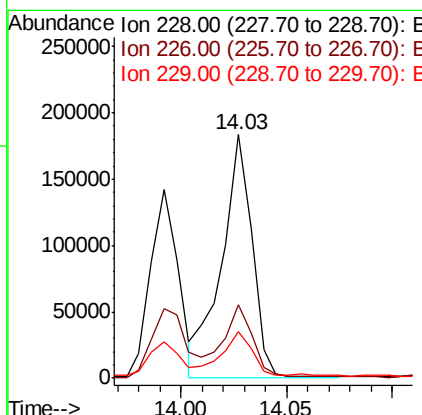
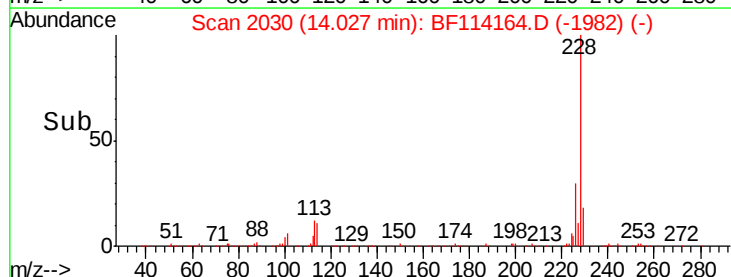
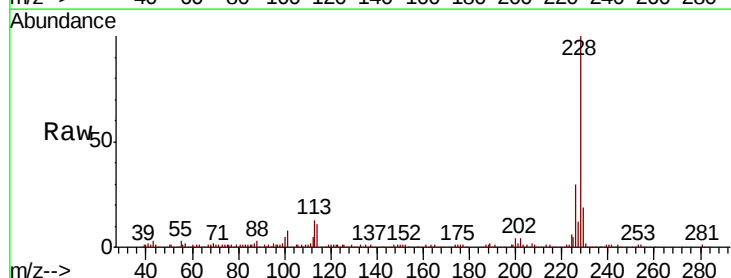
Manual Integrations
APPROVED

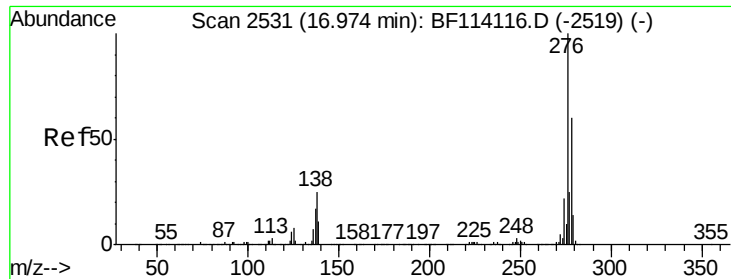
Sohil
5/13/2019 8:35:52 PM



#83
Chrysene
Concen: 3.799 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF114164.D
Acq: 11 May 2019 20:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	19.3	17.0	25.6





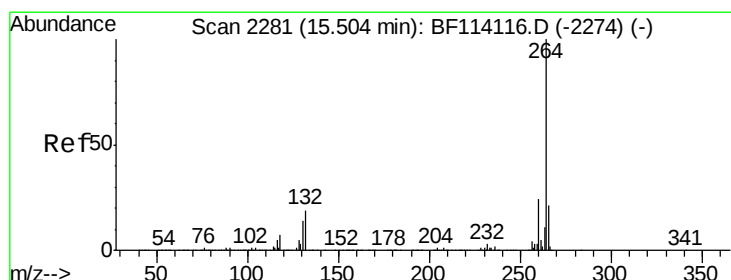
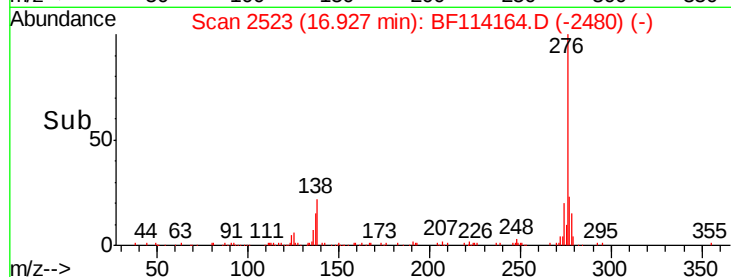
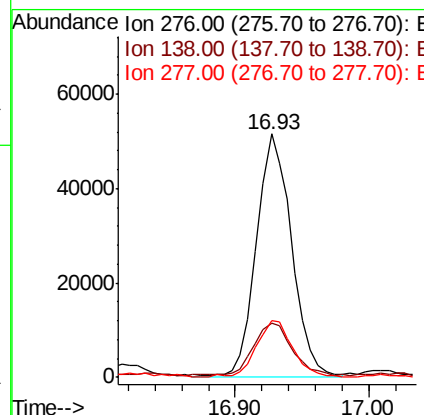
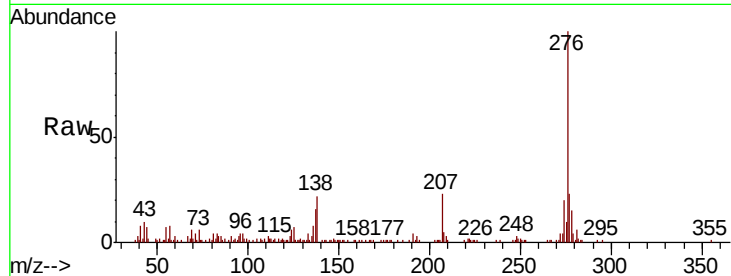
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.224 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.05 min
 Lab File: BF114164.D
 Acq: 11 May 2019 20:29

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-1218-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.2	30.2
277	24.1	20.0	30.0

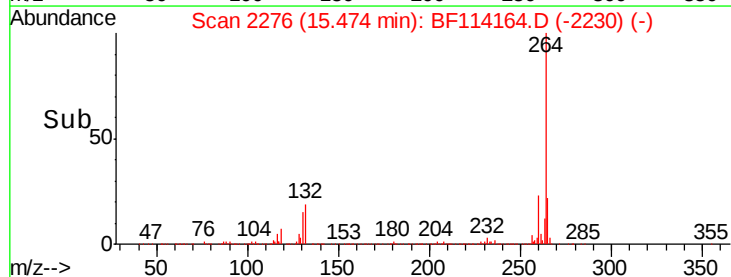
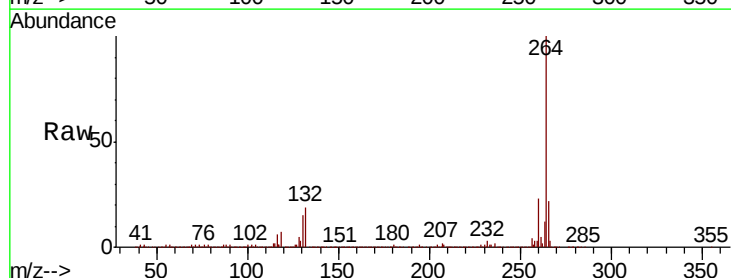
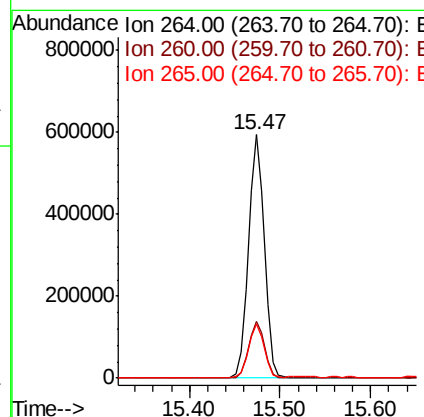
Manual Integrations
 APPROVED

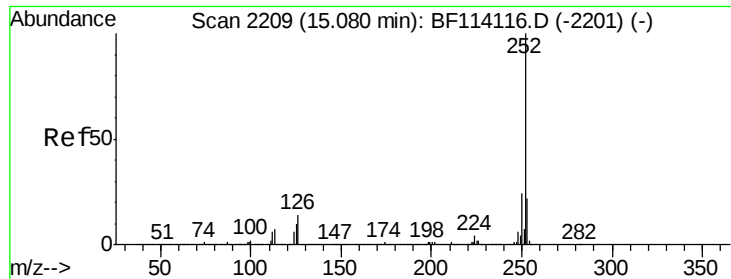
Sohil
 5/13/2019 8:35:52 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.03 min
 Lab File: BF114164.D
 Acq: 11 May 2019 20:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.0
265	22.4	16.9	25.3





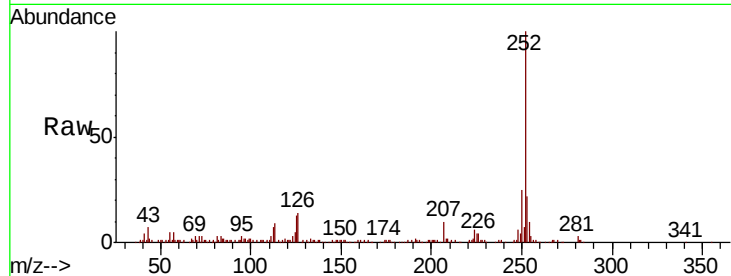
#88
Benzo(b)fluoranthene
Concen: 3.877 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF114164.D
Acq: 11 May 2019 20:29

Instrument :
BNA_F
ClientSampleId :
P026-SS004-1218-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	13.4	8.3	12.5

Manual Integrations
APPROVED

Sohil
5/13/2019 8:35:52 PM

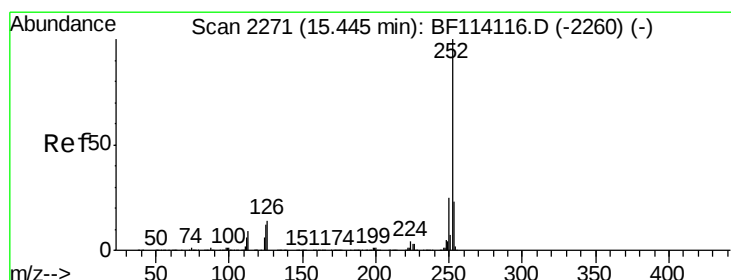
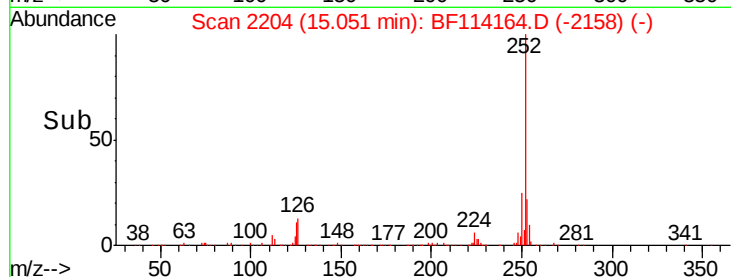
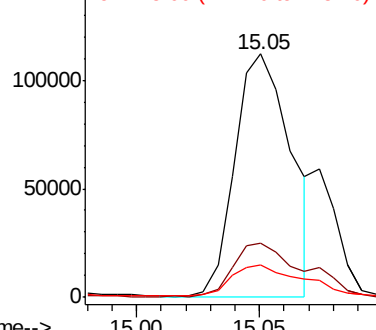


Abundance

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: 2.553 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.04 min
Lab File: BF114164.D
Acq: 11 May 2019 20:29

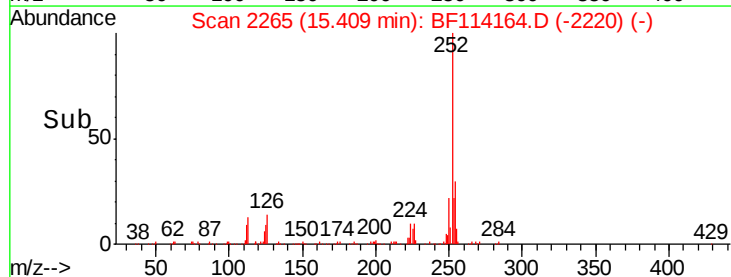
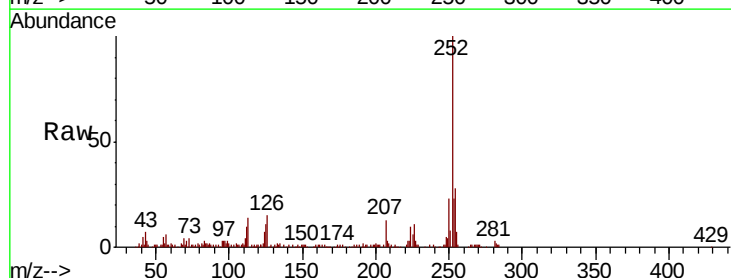
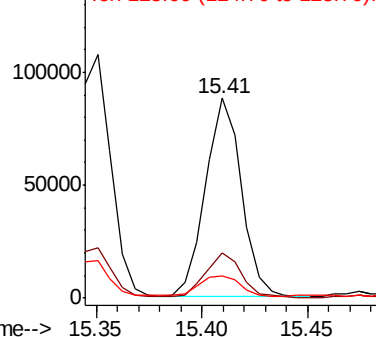
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	11.0	9.5	14.3

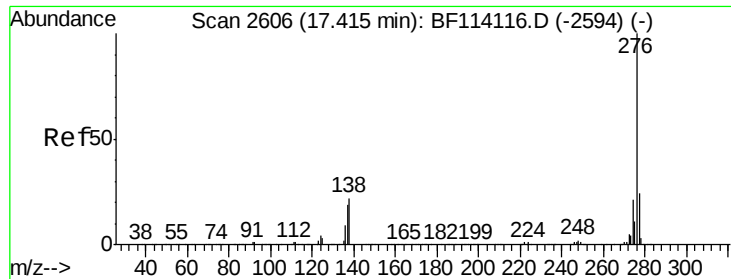
Abundance

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(a,h,i)perylene
 Concen: 3.440 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. -0.05 min
 Lab File: BF114164.D
 Acq: 11 May 2019 20:29

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-1218-01

Tot Ion:	276	Resp:	116622
Ion Ratio		Lower	Upper
276	100		
277	24.6	19.0	28.4
138	23.7	17.8	26.6

Manual Integrations
 APPROVED

Sohil
 5/13/2019 8:35:52 PM

