

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051819\
 Data File : BF114399.D
 Acq On : 18 May 2019 18:50
 Operator : JU/SJ
 Sample : K2896-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-20-S

Manual Integrations
 APPROVED

Sohil
 5/21/2019 7:18:06 PM

Quant Time: May 20 07:25:03 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	6.83	152	248474	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	930597	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	439164	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	837177	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	473594	20.00	ng	-0.03
87) Perylene-d12	15.46	264	522700	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1362677	88.25	ng	-0.01
7) Phenol-d6	6.48	99	1805255	98.85	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1060049	63.93	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	391392	86.21	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1316595	45.35	ng	-0.02
79) Terphenyl-d14	12.93	244	1139240	49.59	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.14	128	691017	15.897	ng	97
37) 2-Methylnaphthalene	8.83	142	680791	24.274	ng	97
38) 1-Methylnaphthalene	8.93	142	290949	11.016	ng	98
50) Dimethylphthalate	9.58	163	295880	9.178	ng	# 99
71) Phenanthrene	11.37	178	264612	6.497	ng	97
75) Fluoranthene	12.57	202	531871	12.126	ng	99
78) Pyrene	12.79	202	470588	12.352	ng	98
81) Benzo(a)anthracene	13.98	228	228445	7.458	ng	98
83) Chrysene	14.02	228	206197	6.867	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	108280	4.080	ng	97
88) Benzo(b)fluoranthene	15.03	252	252251m	7.533	ng	
89) Benzo(k)fluoranthene	15.06	252	71274m	2.317	ng	
90) Benzo(a)pyrene	15.40	252	186540	6.330	ng	99
92) Benzo(g,h,i)perylene	17.37	276	100976	4.114	ng	96

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

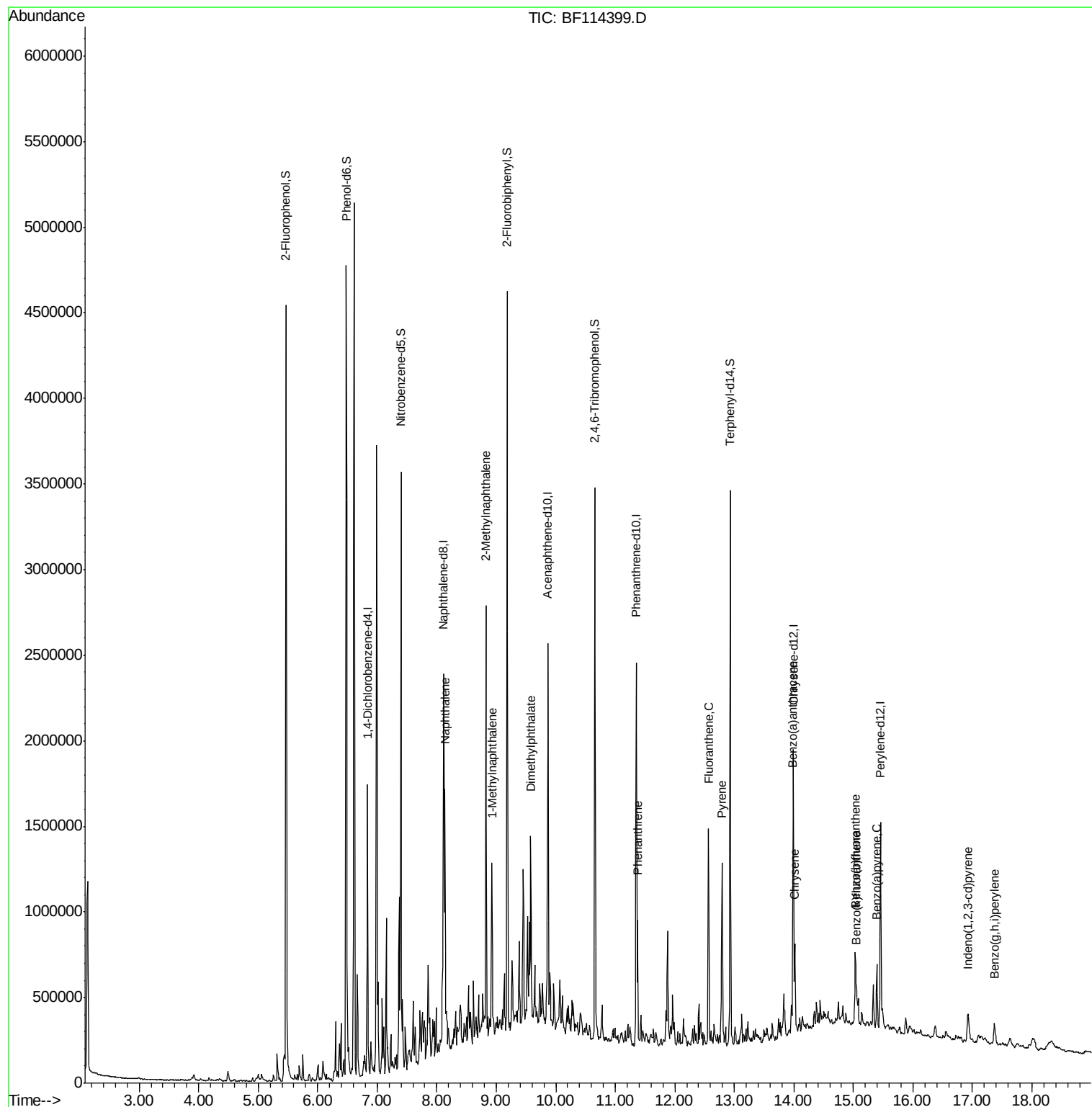
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051819\
Data File : BF114399.D
Acq On : 18 May 2019 18:50
Operator : JU/SJ
Sample : K2896-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

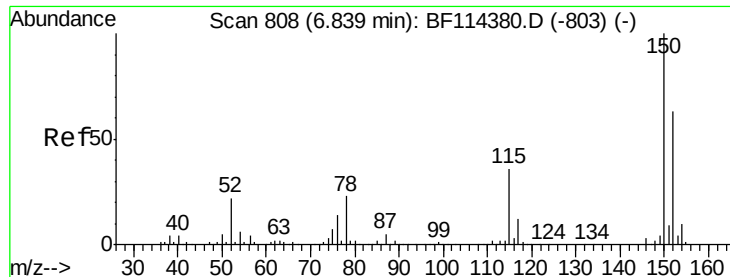
Instrument :
BNA_F
ClientSampleId :
TP-20-S

Manual Integrations
APPROVED

Sohil
5/21/2019 7:18:06 PM

Quant Time: May 20 07:25:03 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

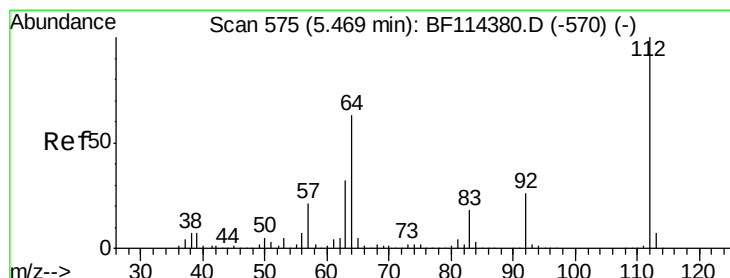
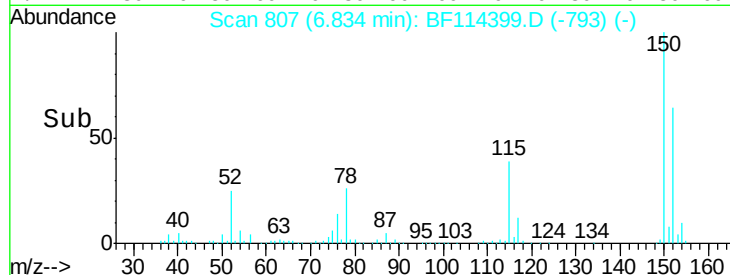
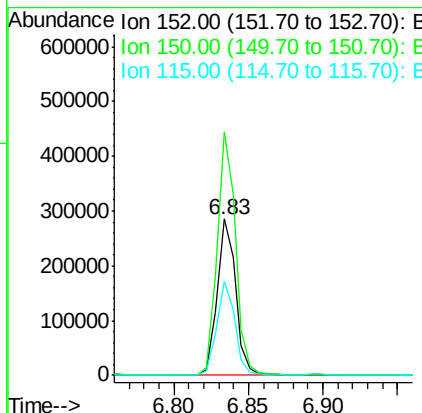
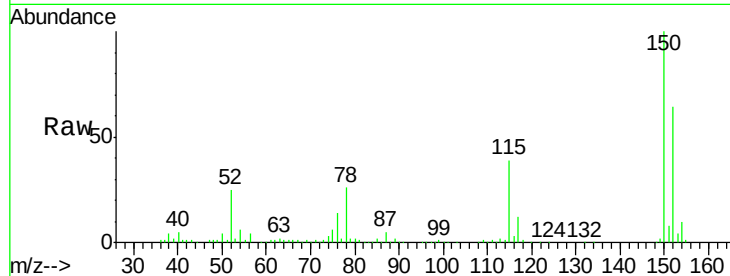
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Instrument :
BNA_F
ClientSampleId :
TP-20-S

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.3	186.5
115	60.3	49.1	73.7

Manual Integrations
APPROVED

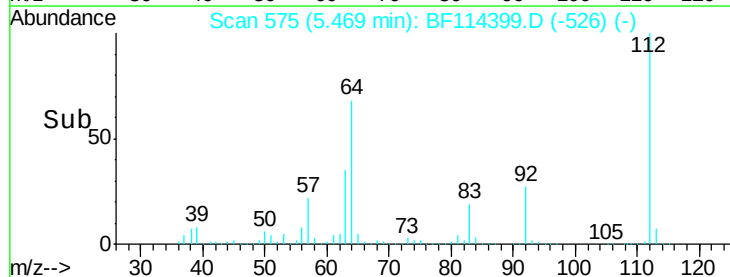
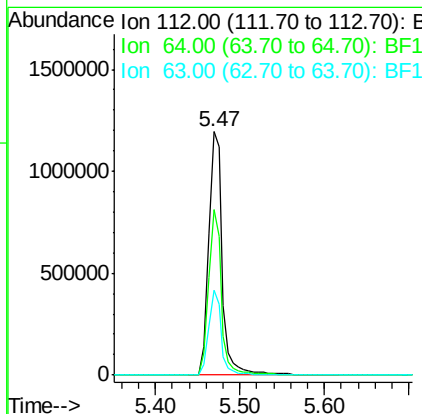
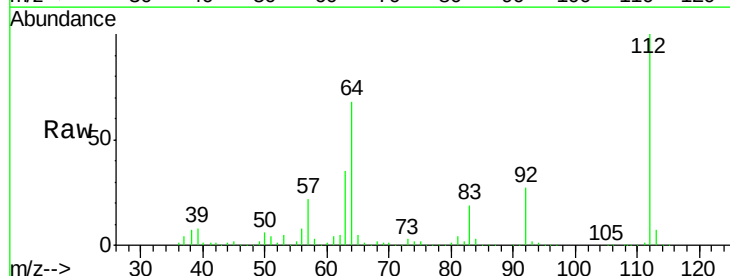
Sohil
5/21/2019 7:18:06 PM

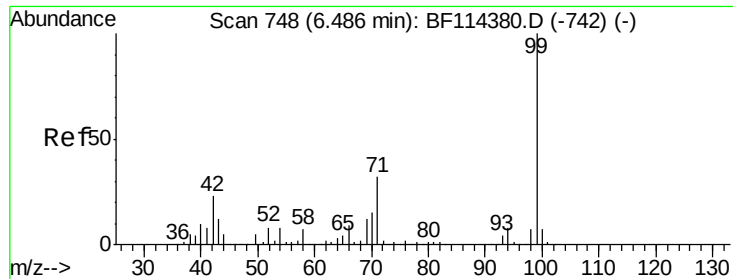


#5

2-Fluorophenol
Concen: 88.255 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	49.0	73.6
63	34.9	24.6	37.0





#7

Phenol-d6

Concen: 98.855 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF114399.D

Acq: 18 May 2019 18:50

Instrument :

BNA_F

ClientSampled :

TP-20-S

Tgt Ion: 99 Resp: 1805255

Ion Ratio Lower Upper

99 100

42 22.5 17.9 26.9

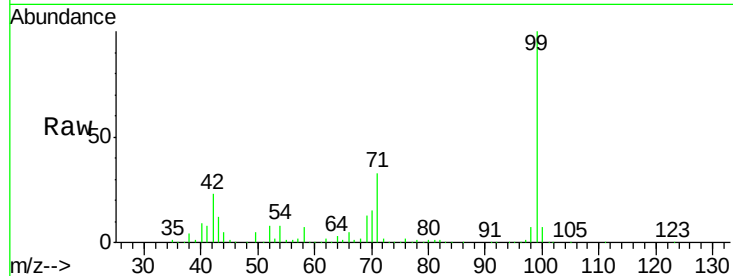
71 32.9 26.2 39.2

Manual Integrations

APPROVED

Sohil

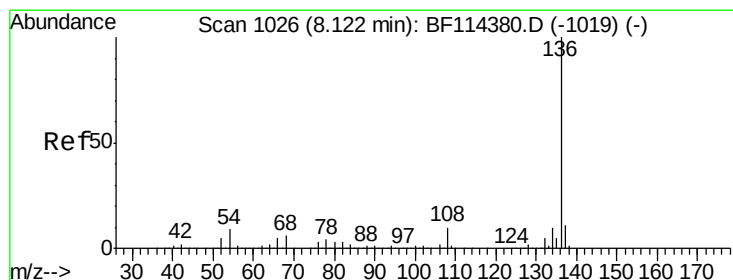
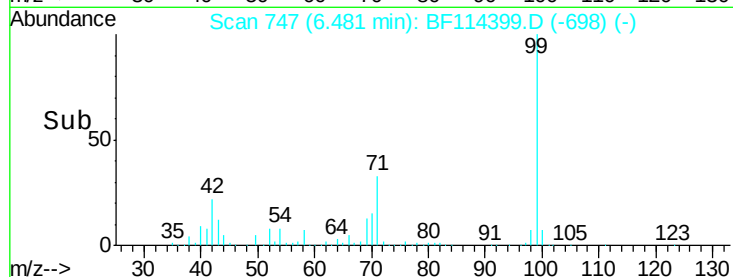
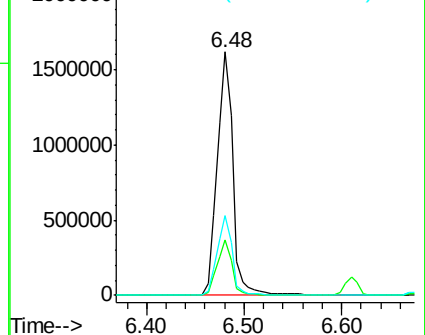
5/21/2019 7:18:06 PM



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: 8.12 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF114399.D

Acq: 18 May 2019 18:50

Tgt Ion: 136 Resp: 930597

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.8 7.8 11.8

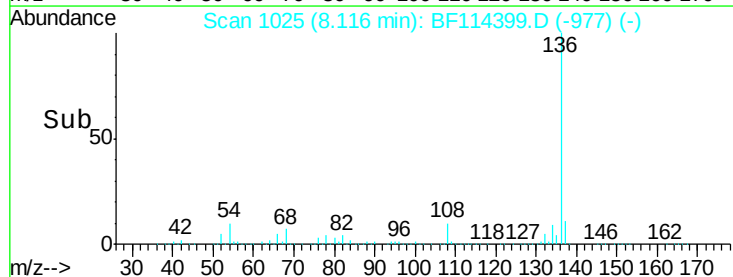
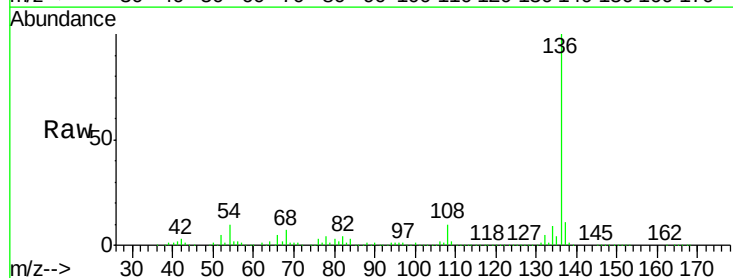
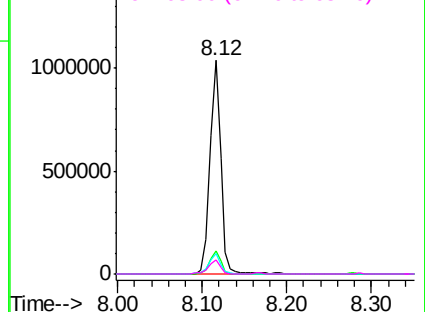
68 6.8 5.1 7.7

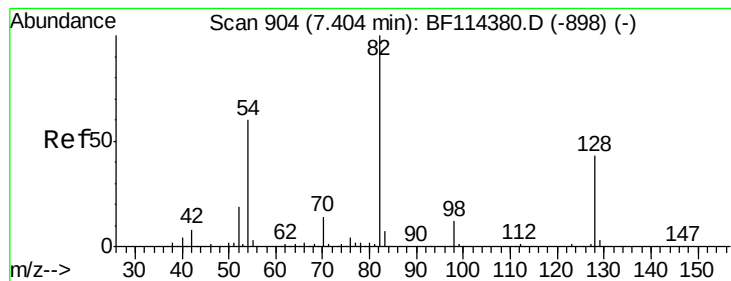
Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.927 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF114399.D

Acq: 18 May 2019 18:50

Instrument :

BNA_F

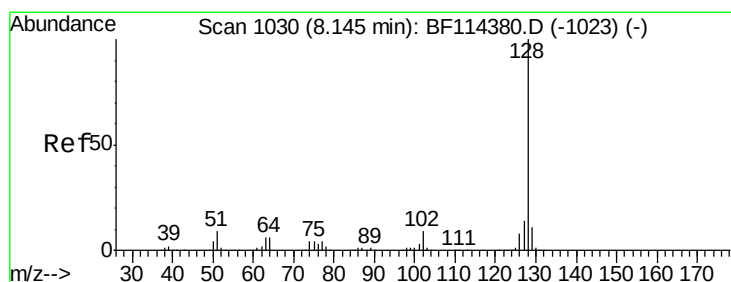
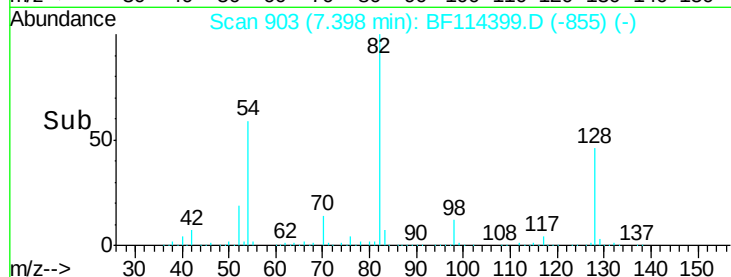
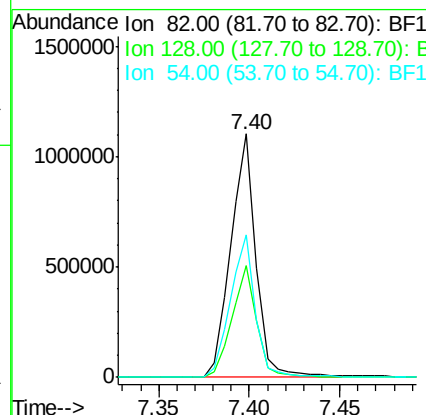
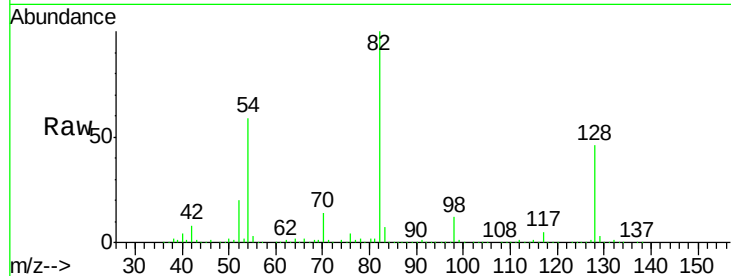
ClientSampled :

TP-20-S

Tgt Ion:	82	Resp:	1060049
Ion	Ratio	Lower	Upper
82	100		
128	45.7	35.5	53.3
54	58.5	48.5	72.7

Manual Integrations
APPROVED

Sohil
5/21/2019 7:18:06 PM



#31

Naphthalene

Concen: 15.897 ng

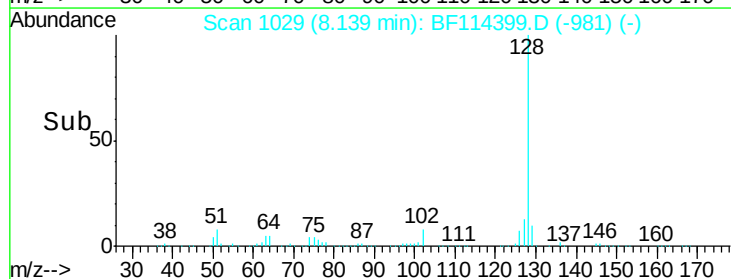
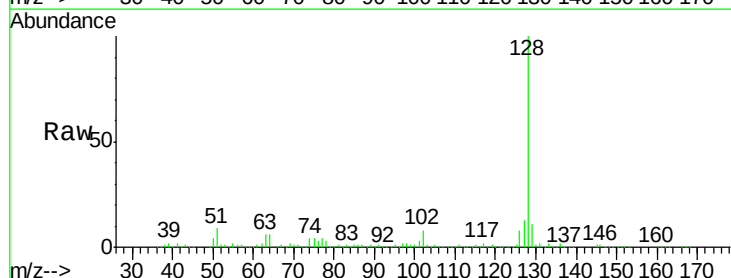
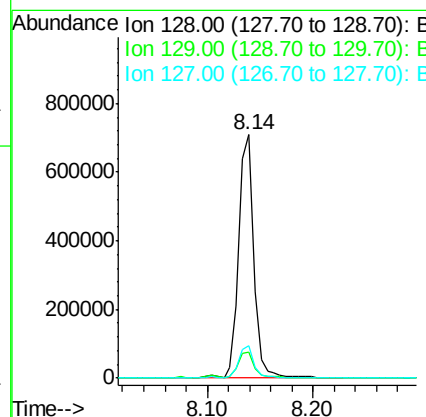
RT: 8.14 min Scan# 1029

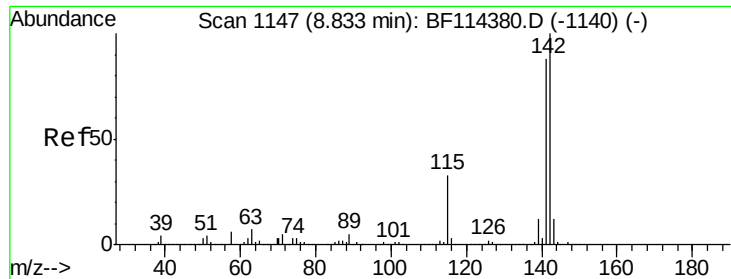
Delta R.T. -0.02 min

Lab File: BF114399.D

Acq: 18 May 2019 18:50

Tgt Ion:	128	Resp:	691017
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.6	14.4
127	13.1	11.3	16.9





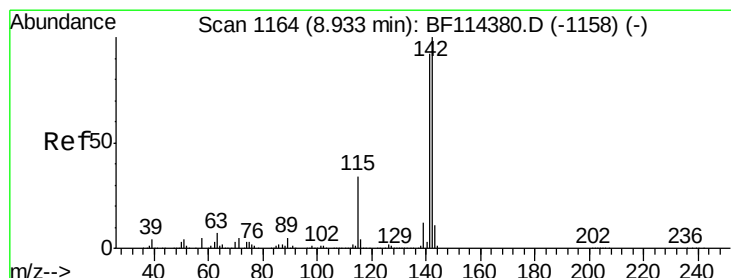
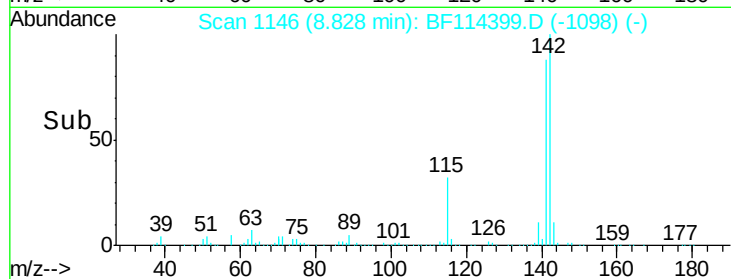
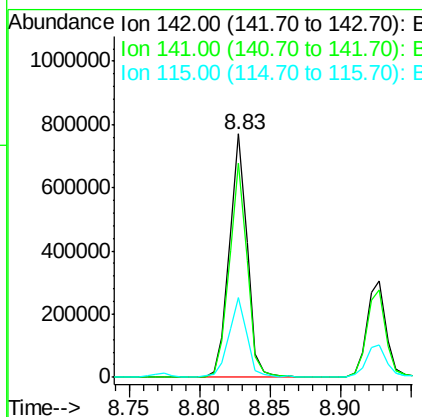
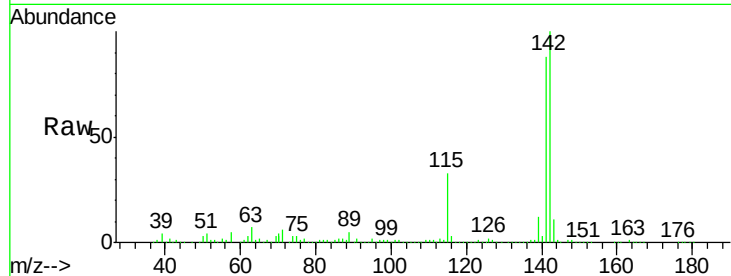
#37
 2-Methylnaphthalene
 Concen: 24.274 ng
 RT: 8.83 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BF114399.D
 Acq: 18 May 2019 18:50

Instrument :
 BNA_F
 ClientSampled :
 TP-20-S

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	680791		
141	88.1	72.1	108.1	
115	32.5	28.0	42.0	

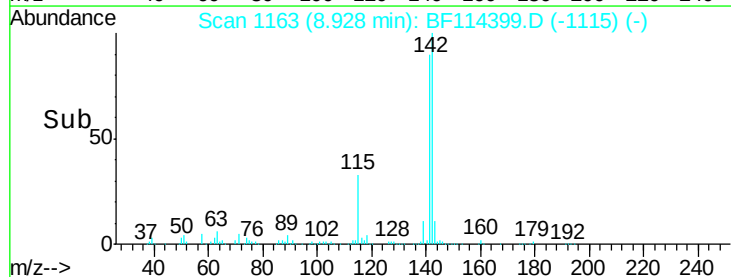
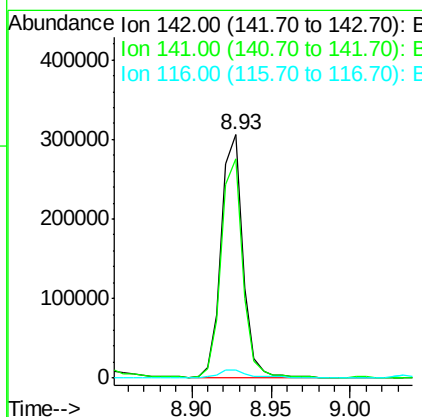
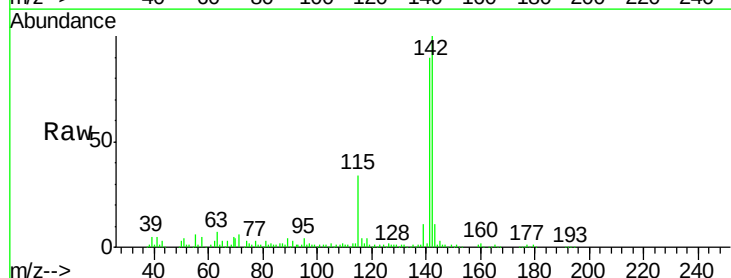
Manual Integrations
 APPROVED

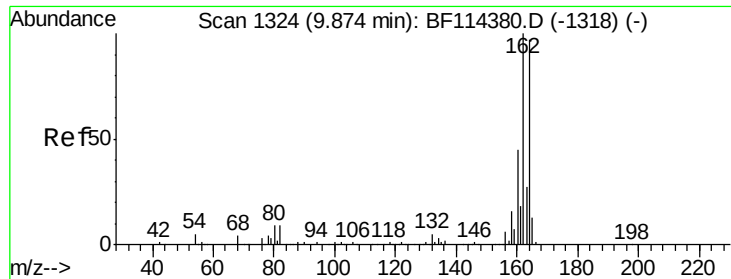
Sohil
 5/21/2019 7:18:06 PM



#38
 1-Methylnaphthalene
 Concen: 11.016 ng
 RT: 8.93 min Scan# 1163
 Delta R.T. -0.02 min
 Lab File: BF114399.D
 Acq: 18 May 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	290949		
141	90.1	73.4	110.0	
116	3.6	3.1	4.7	





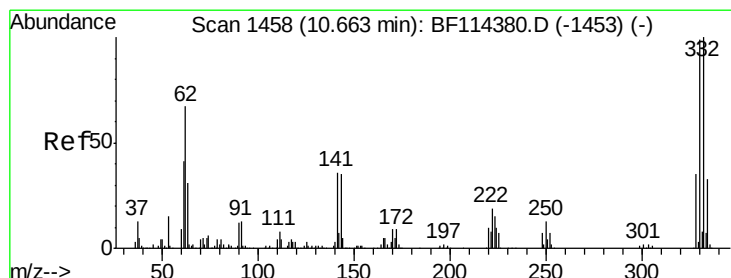
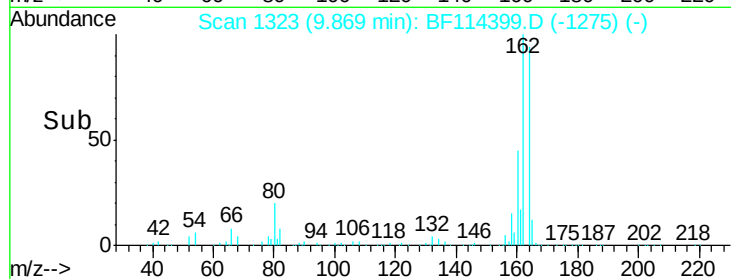
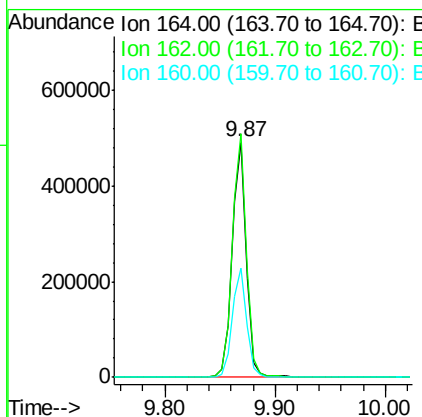
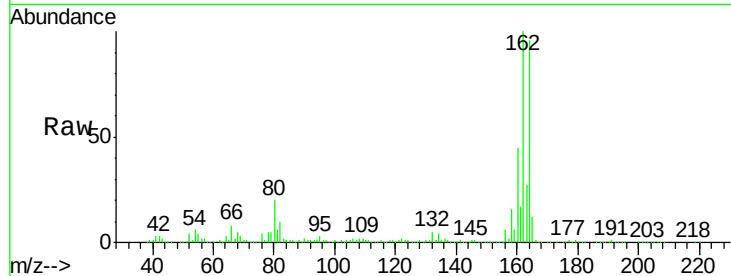
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Instrument :
BNA_F
ClientSampleId :
TP-20-S

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	439164		
162	103.7	80.6	120.8	
160	46.7	36.5	54.7	

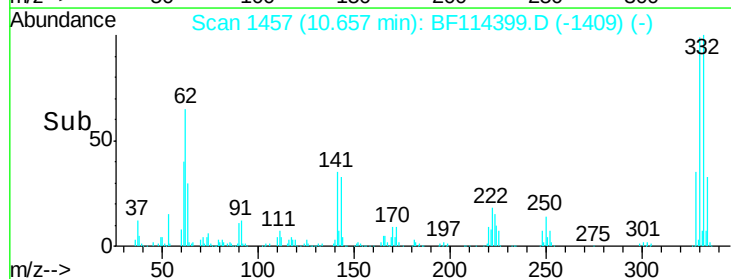
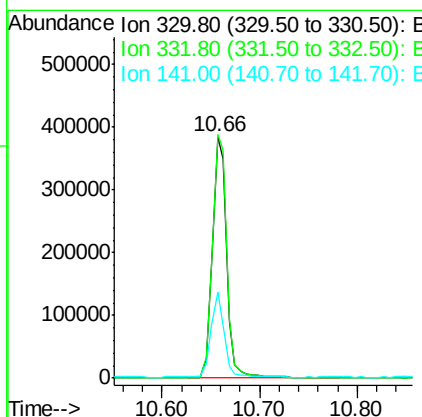
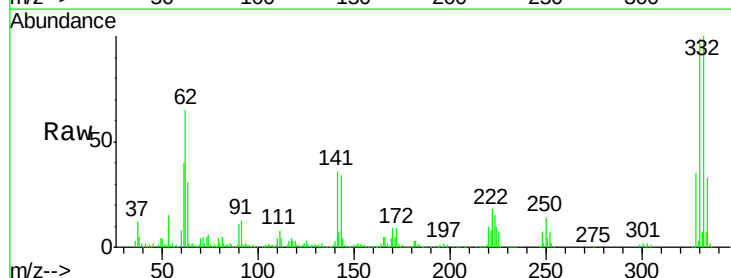
Manual Integrations
APPROVED

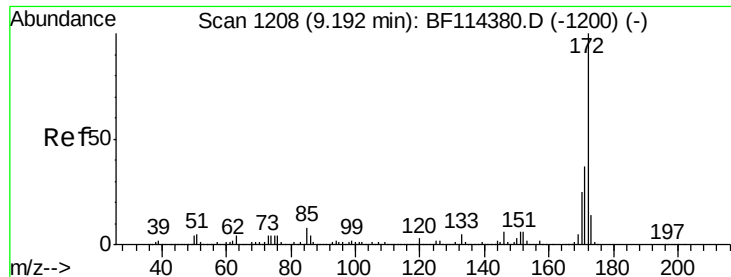
Sohil
5/21/2019 7:18:06 PM



#42
2,4,6-Tribromophenol
Concen: 86.206 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	391392		
332	102.2	81.4	122.2	
141	32.5	26.6	40.0	





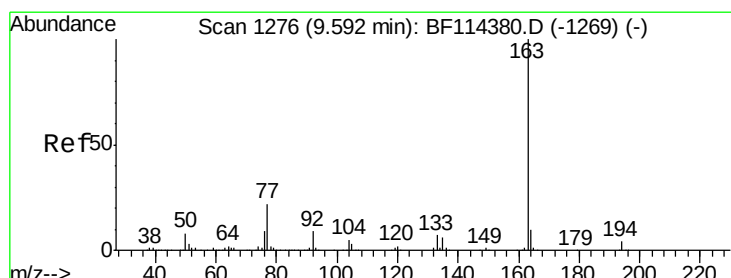
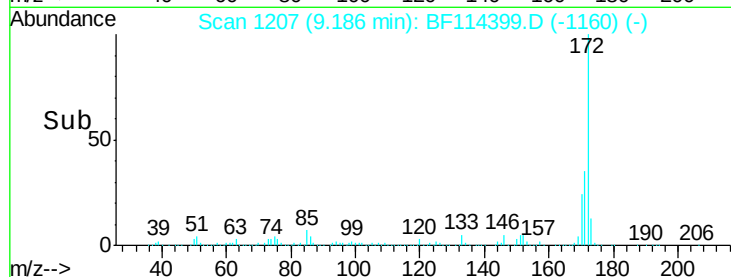
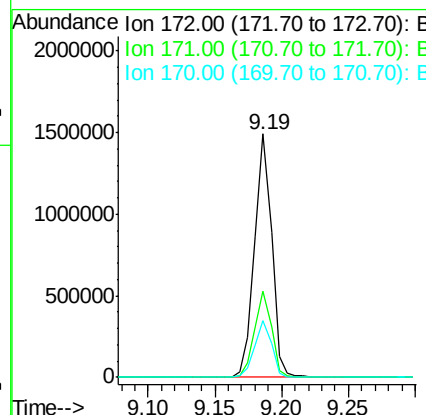
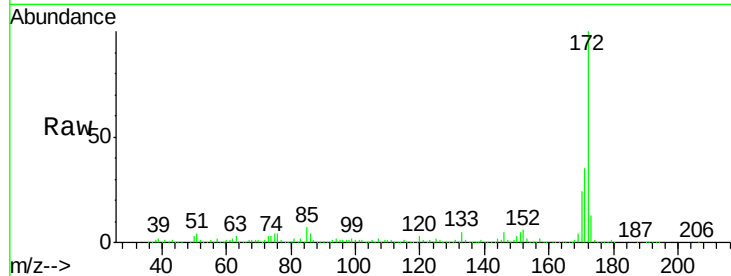
#45
 2-Fluorobiphenyl
 Concen: 45.349 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF114399.D
 Acq: 18 May 2019 18:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-20-S

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.7	46.1
170	23.5	20.5	30.7

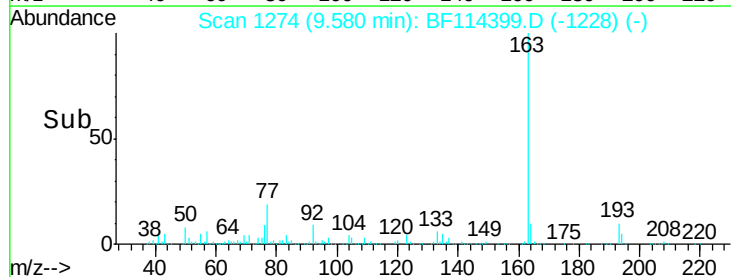
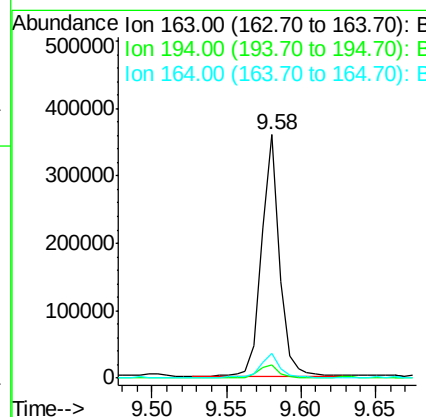
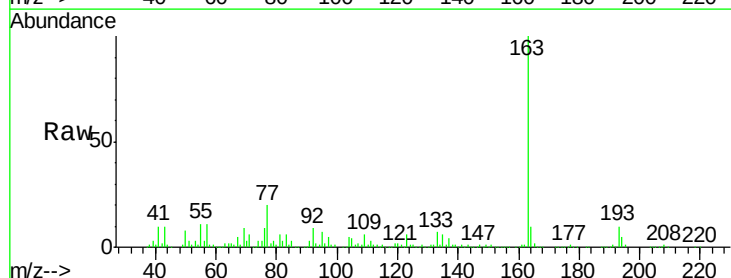
Manual Integrations
 APPROVED

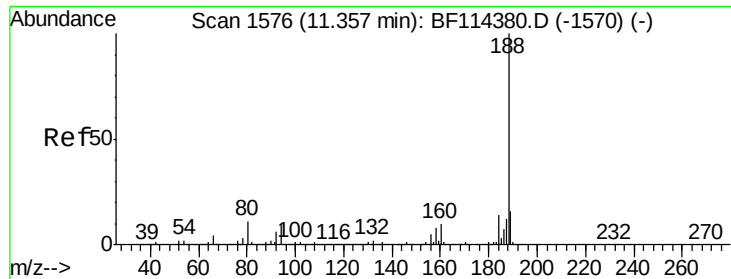
Sohil
 5/21/2019 7:18:06 PM



#50
 Dimethylphthalate
 Concen: 9.178 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.03 min
 Lab File: BF114399.D
 Acq: 18 May 2019 18:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.4	5.0#
164	10.0	8.2	12.2





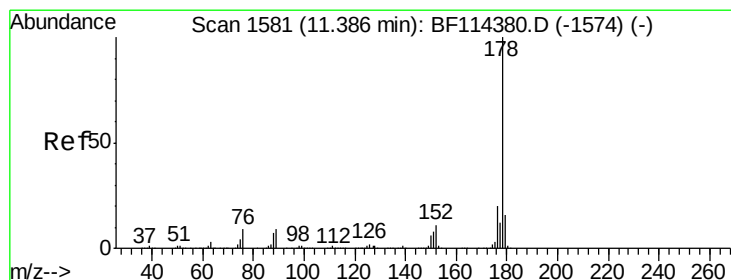
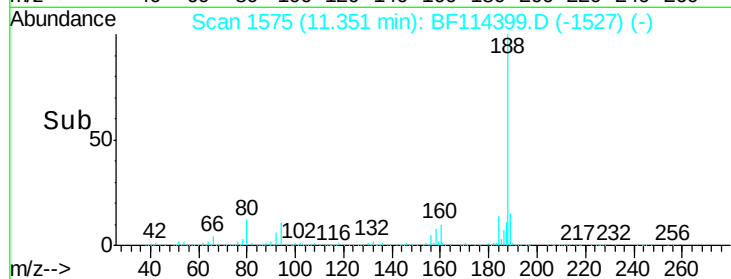
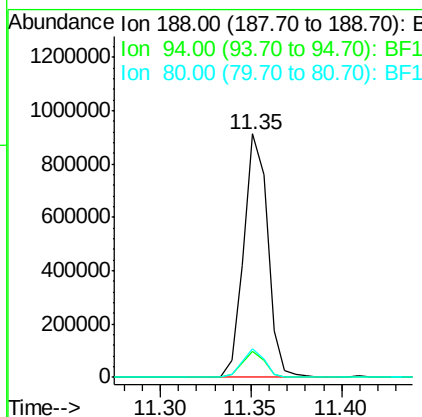
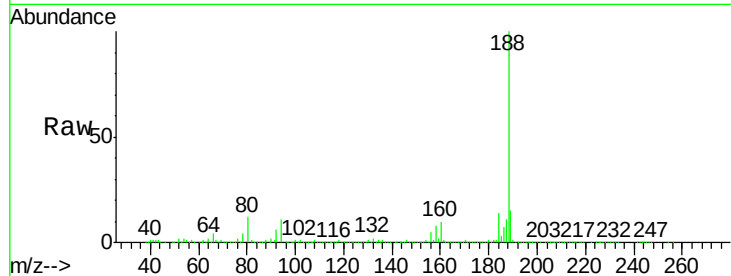
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Instrument :
BNA_F
ClientSampleId :
TP-20-S

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.7	8.4	12.6
80	11.8	9.2	13.8

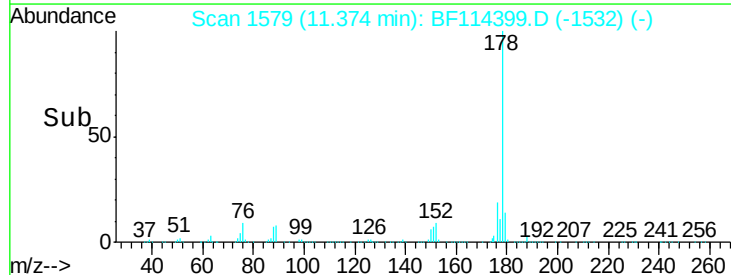
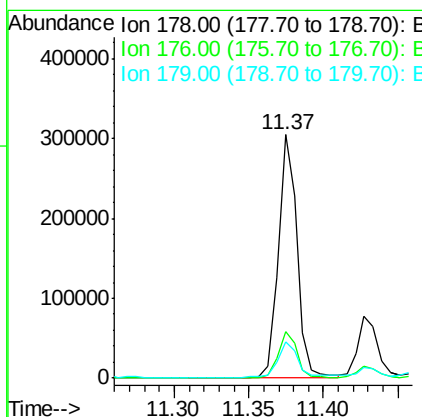
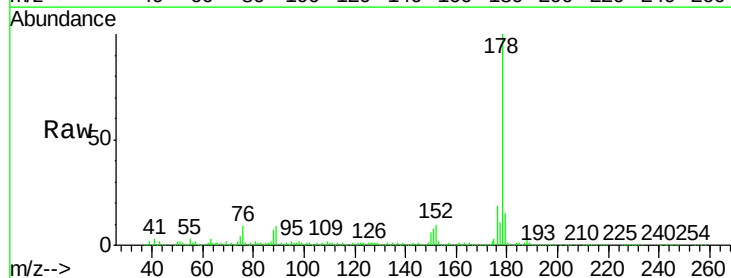
Manual Integrations
APPROVED

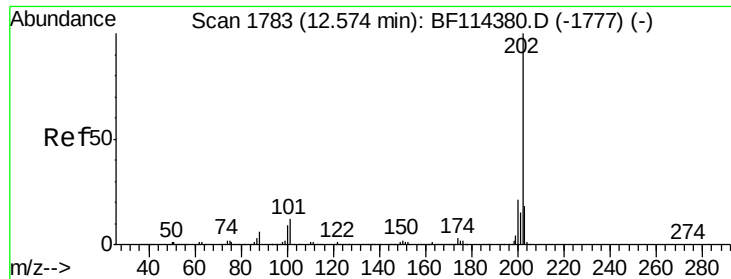
Sohil
5/21/2019 7:18:06 PM



#71
Phenanthrene
Concen: 6.497 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.0	16.4	24.6
179	14.9	13.2	19.8





#75

Fluoranthene

Concen: 12.126 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF114399.D

Acq: 18 May 2019 18:50

Instrument :

BNA_F

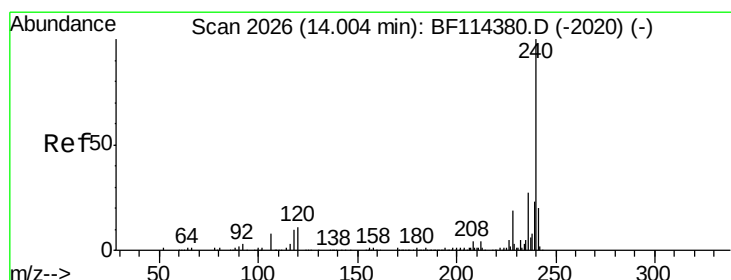
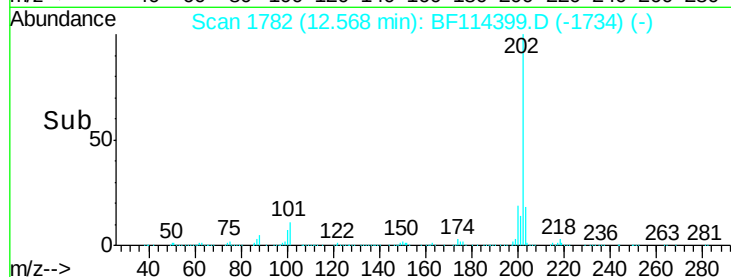
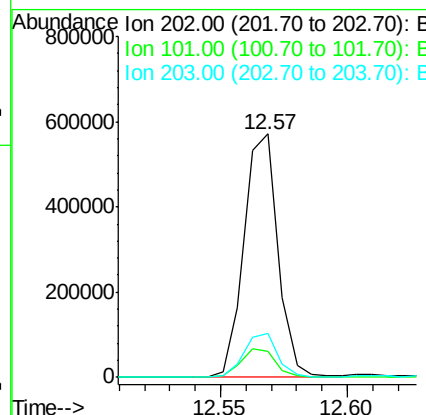
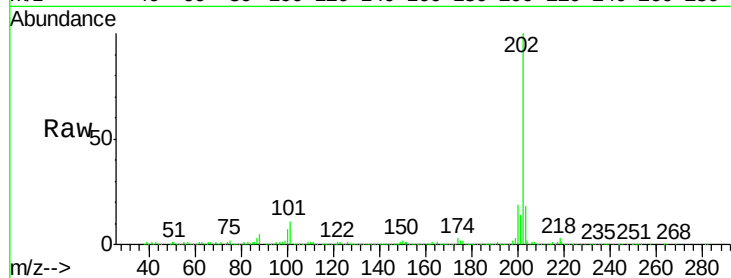
ClientSampleId :

TP-20-S

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		531871		
101	10.6	0.0	31.0		
203	18.1	0.0	38.4		

Manual Integrations
APPROVED

Sohil
5/21/2019 7:18:06 PM



#76

Chrysene-d12

Concen: 20.000 ng

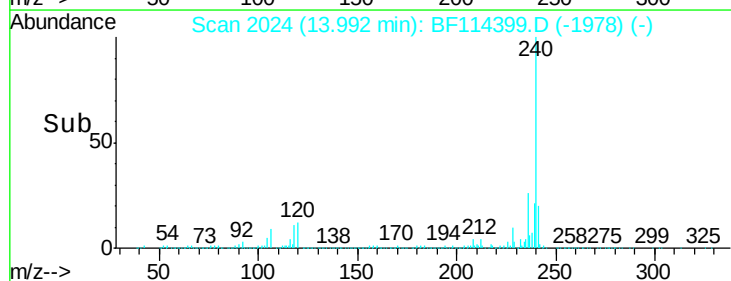
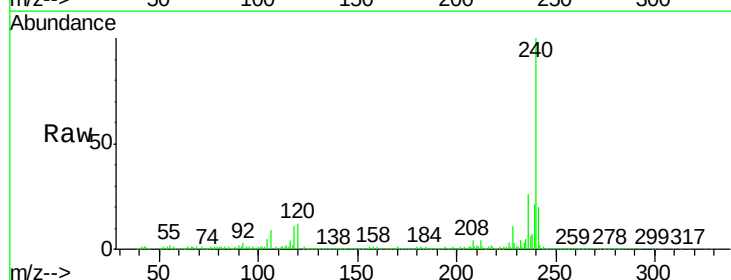
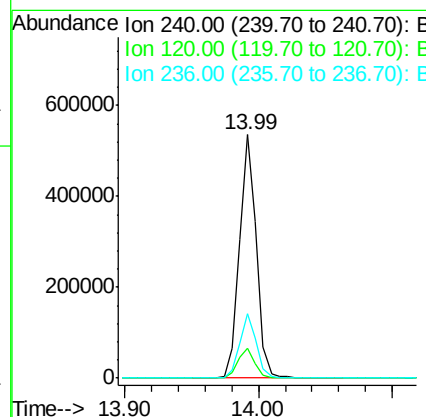
RT: 13.99 min Scan# 2024

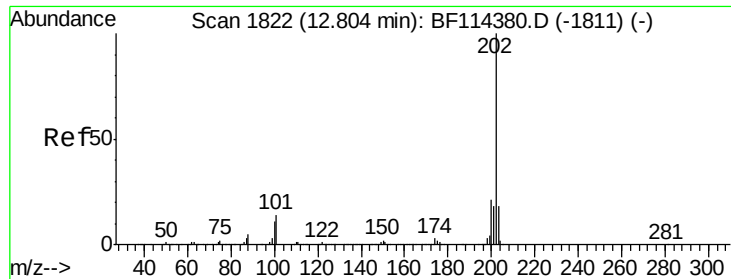
Delta R.T. -0.03 min

Lab File: BF114399.D

Acq: 18 May 2019 18:50

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		473594		
120	12.3	8.3	12.5		
236	26.4	20.8	31.2		





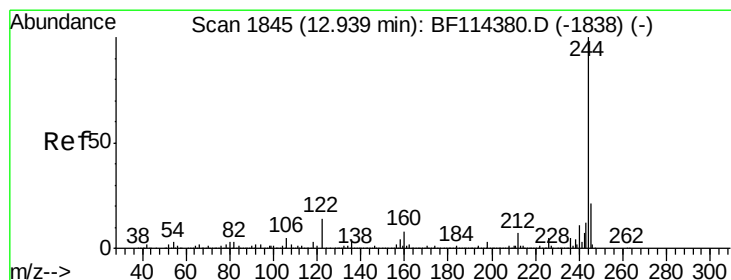
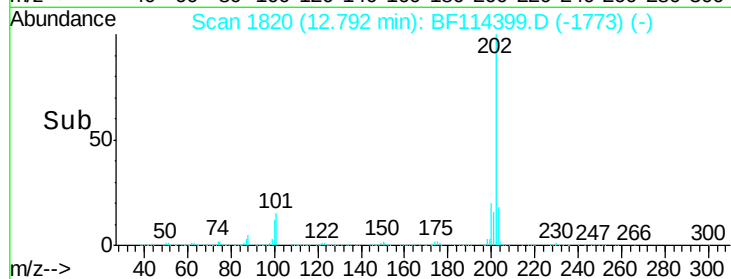
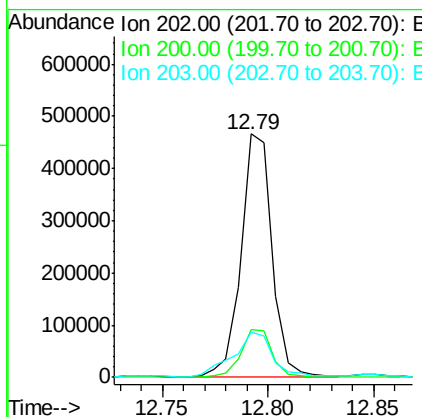
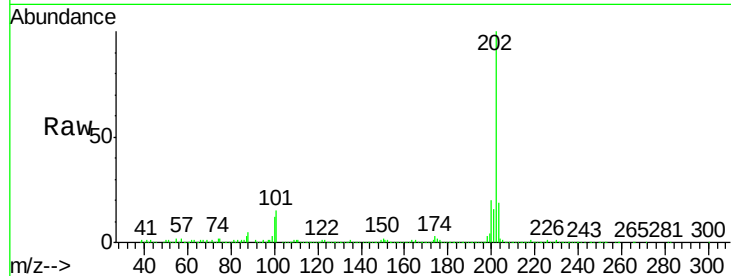
#78
Pyrene
Concen: 12.352 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.02 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Instrument :
BNA_F
ClientSampleId :
TP-20-S

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	470588		
200	19.6	16.9	25.3	
203	18.5	14.5	21.7	

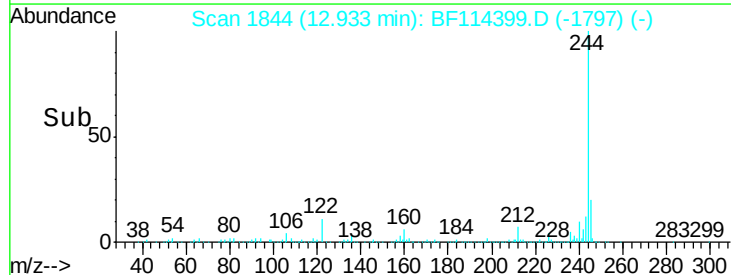
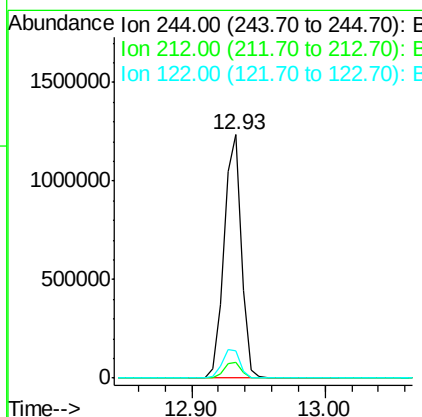
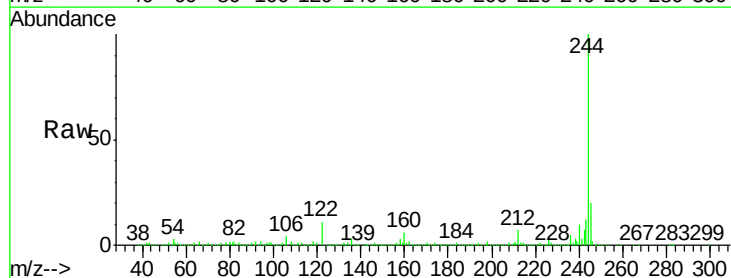
Manual Integrations
APPROVED

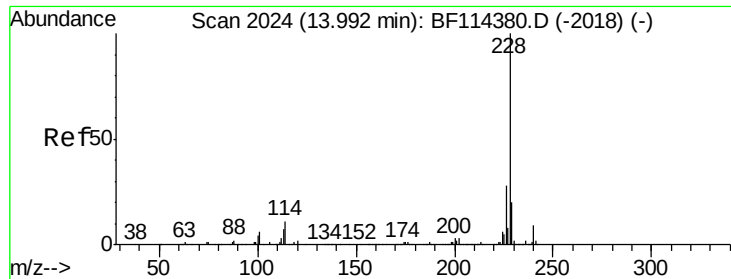
Sohil
5/21/2019 7:18:06 PM



#79
Terphenyl-d14
Concen: 49.588 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1139240		
212	6.6	5.8	8.6	
122	11.1	9.4	14.2	





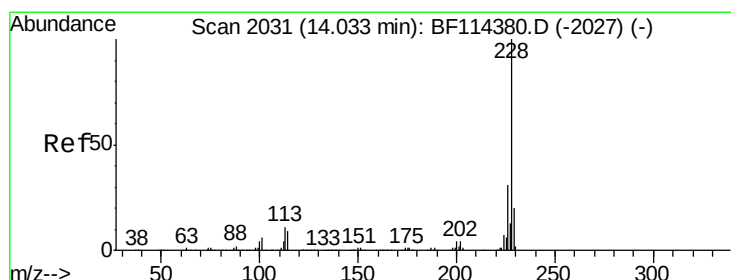
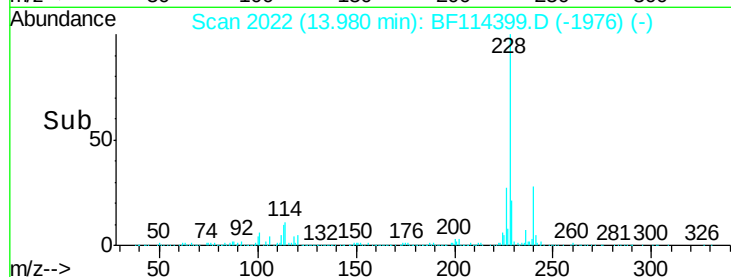
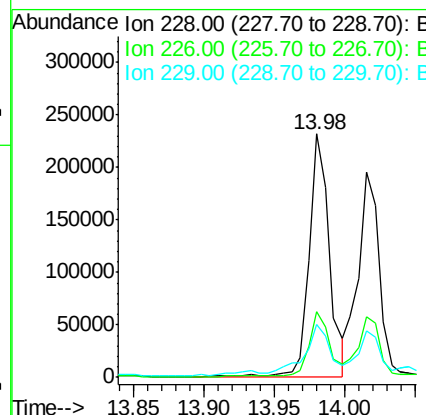
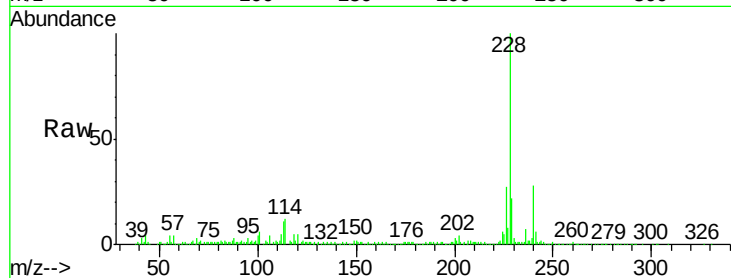
#81
Benzo(a)anthracene
Concen: 7.458 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Instrument :
BNA_F
ClientSampleId :
TP-20-S

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	228445		
226	27.2		22.2	33.2
229	21.6		16.4	24.6

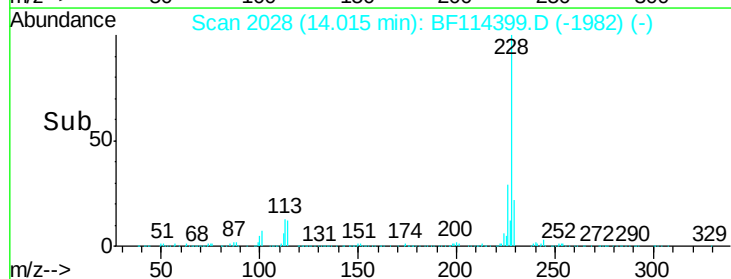
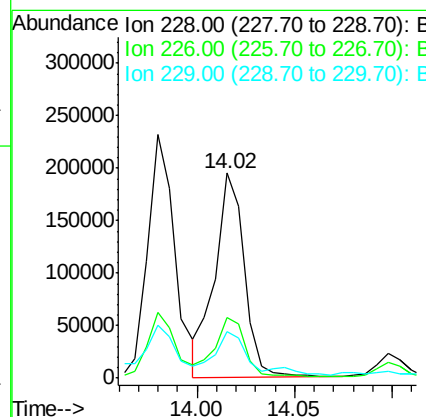
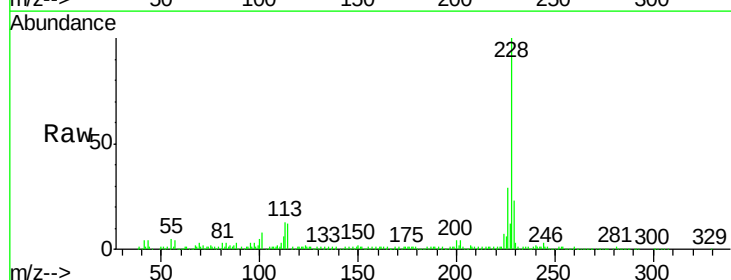
Manual Integrations
APPROVED

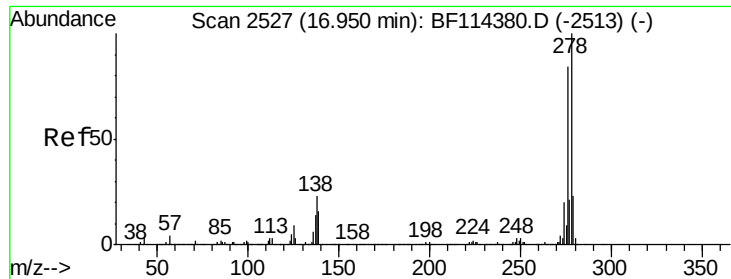
Sohil
5/21/2019 7:18:06 PM



#83
Chrysene
Concen: 6.867 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.03 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	206197		
226	29.3		25.0	37.6
229	22.8		17.0	25.6





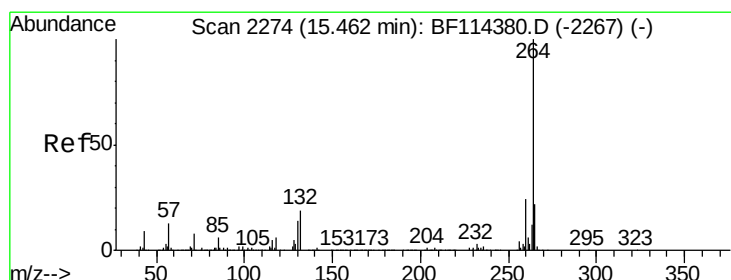
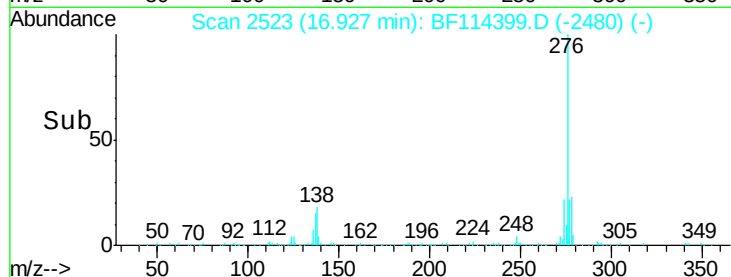
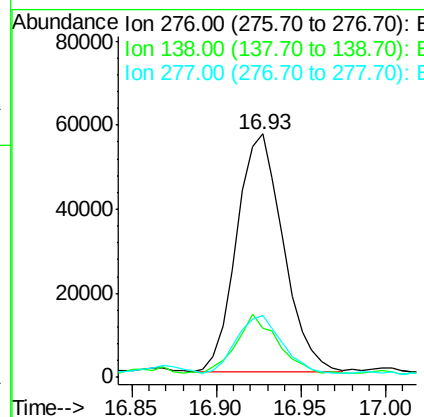
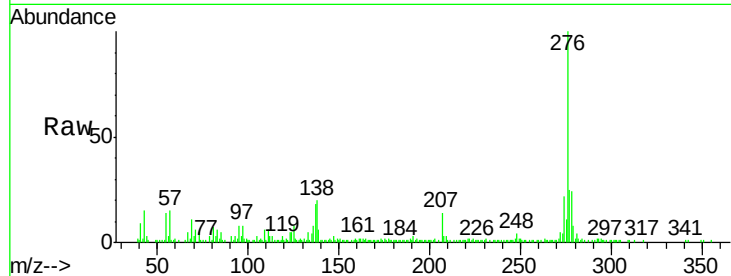
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.080 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.05 min
 Lab File: BF114399.D
 Acq: 18 May 2019 18:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-20-S

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	108280		
138	23.4	20.2	30.2	
277	24.2	20.0	30.0	

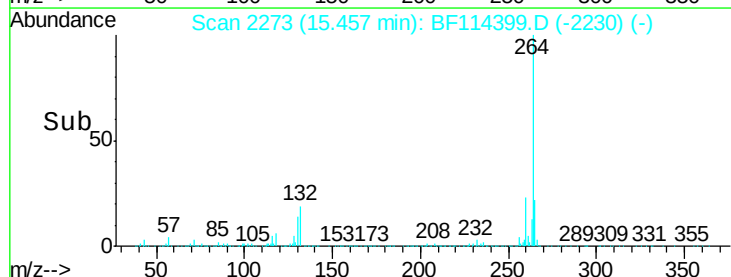
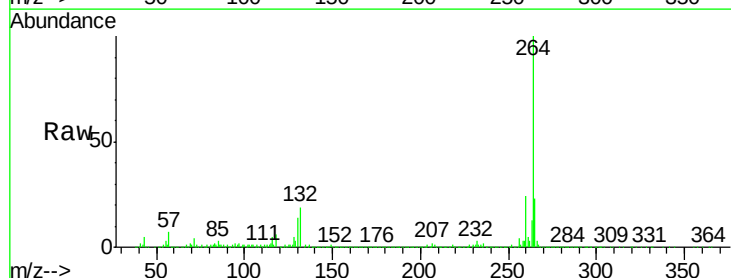
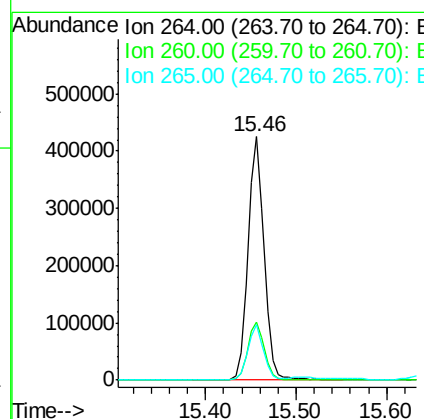
Manual Integrations
 APPROVED

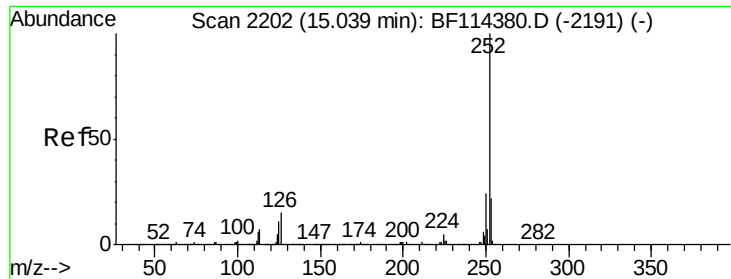
Sohil
 5/21/2019 7:18:06 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.05 min
 Lab File: BF114399.D
 Acq: 18 May 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	522700		
260	23.6	19.4	29.0	
265	22.6	16.9	25.3	





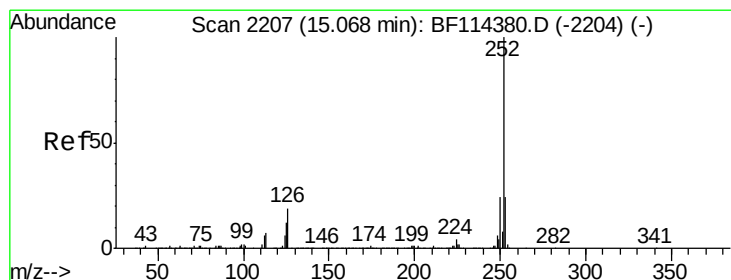
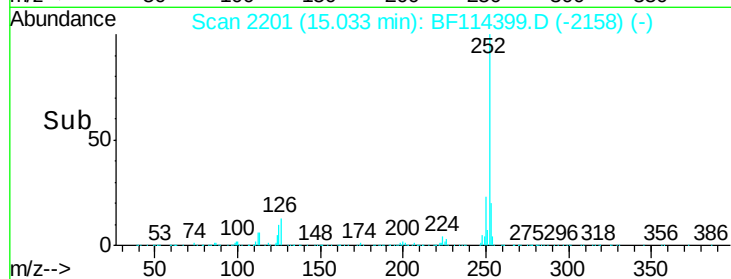
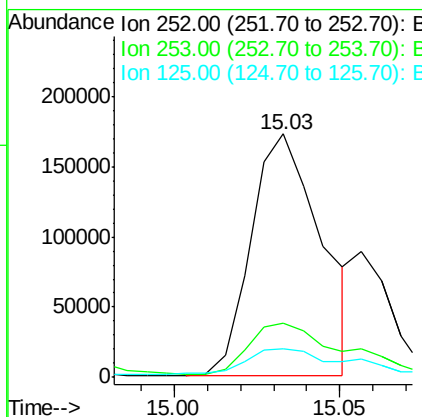
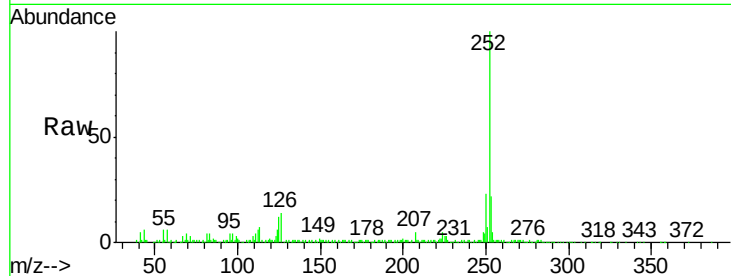
#88
Benzo(b)fluoranthene
Concen: 7.533 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.05 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Instrument :
BNA_F
ClientSampleId :
TP-20-S

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.3	17.8	26.8
125	11.8	8.3	12.5

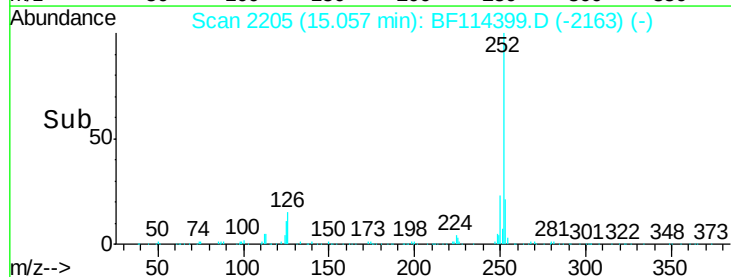
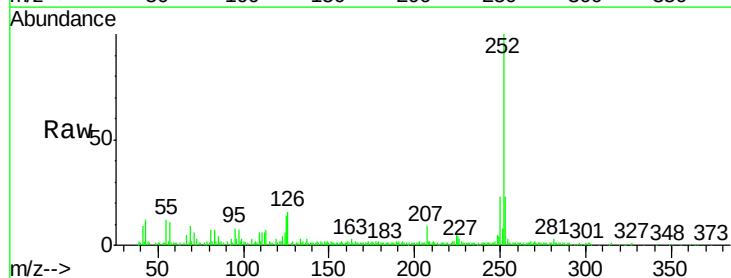
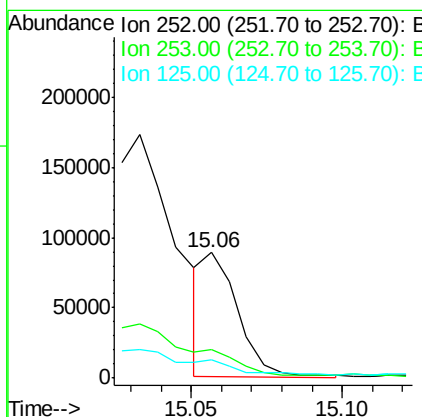
Manual Integrations
APPROVED

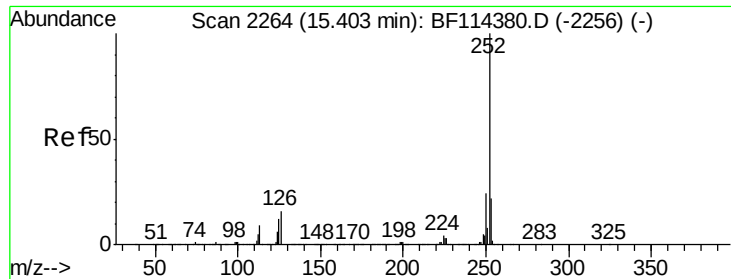
Sohil
5/21/2019 7:18:06 PM



#89
Benzo(k)fluoranthene
Concen: 2.317 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.05 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.6	18.2	27.2
125	14.1	8.6	13.0





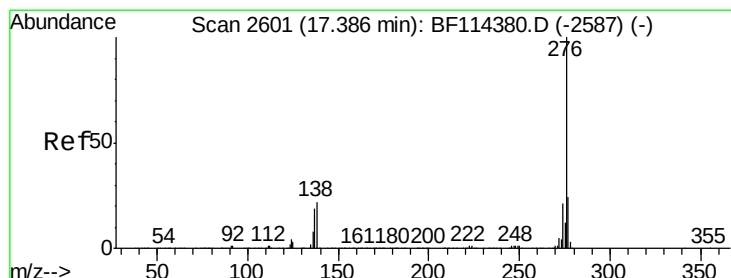
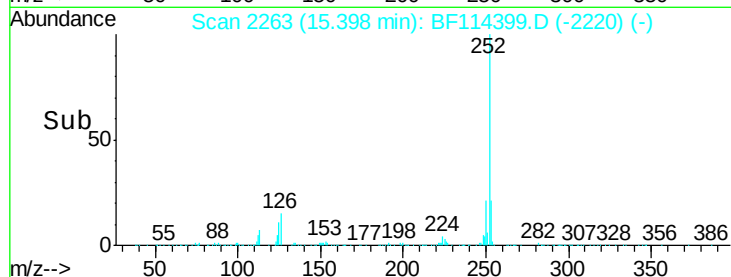
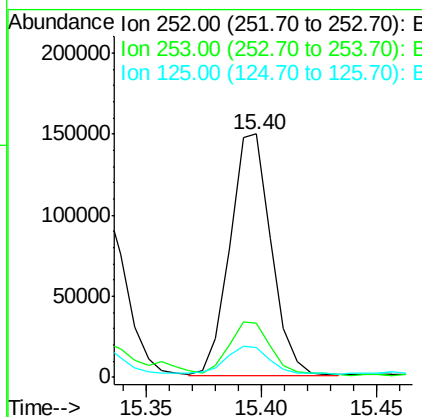
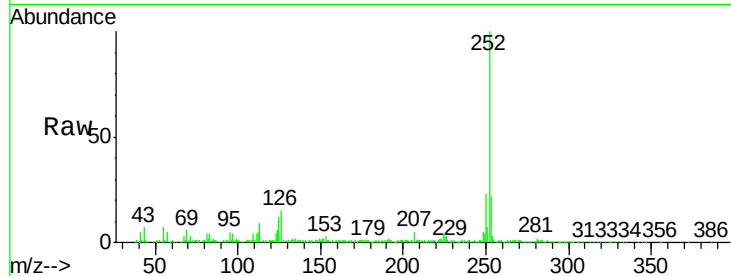
#90
Benzo(a)pyrene
Concen: 6.330 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.05 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Instrument :
BNA_F
ClientSampleId :
TP-20-S

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	186540		
253	22.1	18.1	27.1	
125	12.3	9.5	14.3	

Manual Integrations
APPROVED

Sohil
5/21/2019 7:18:06 PM



#92
Benzo(g,h,i)perylene
Concen: 4.114 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.05 min
Lab File: BF114399.D
Acq: 18 May 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	100976		
277	25.8	19.0	28.4	
138	24.1	17.8	26.6	

