

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
 Data File : BF114254.D
 Acq On : 14 May 2019 10:43
 Operator : JU/SJ
 Sample : K2765-21DL 4X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-02DL

Manual Integrations
 APPROVED

Sohil
 5/14/2019 8:03:44 PM

Quant Time: May 14 12:26:42 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	257731	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1050816	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	500403	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	928898	20.00	ng	0.00
76) Chrysene-d12	14.02	240	623859	20.00	ng	0.00
87) Perylene-d12	15.50	264	614752	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	193856	12.10	ng	0.00
7) Phenol-d6	6.50	99	273102	14.42	ng	0.00
23) Nitrobenzene-d5	7.41	82	159785	8.53	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	52133	10.08	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	239176	7.23	ng	0.00
79) Terphenyl-d14	12.95	244	197711	6.53	ng	0.00
Target Compounds						
49) Acenaphthylene	9.75	152	168647	3.408	ng	96
71) Phenanthrene	11.40	178	603011	13.343	ng	98
72) Anthracene	11.45	178	96981	2.137	ng	98
75) Fluoranthene	12.59	202	804307	16.527	ng	98
78) Pyrene	12.82	202	1479649	29.483	ng	99
81) Benzo(a)anthracene	14.01	228	487953m	12.093	ng	
83) Chrysene	14.04	228	591853	14.963	ng	97
86) Indeno(1,2,3-cd)pyrene	16.98	276	184141	5.267	ng	96
88) Benzo(b)fluoranthene	15.07	252	513485m	13.038	ng	
89) Benzo(k)fluoranthene	15.09	252	172481m	4.767	ng	
90) Benzo(a)pyrene	15.44	252	346662	10.001	ng	98
92) Benzo(a,h,i)perylene	17.43	276	204143	7.073	ng	97

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

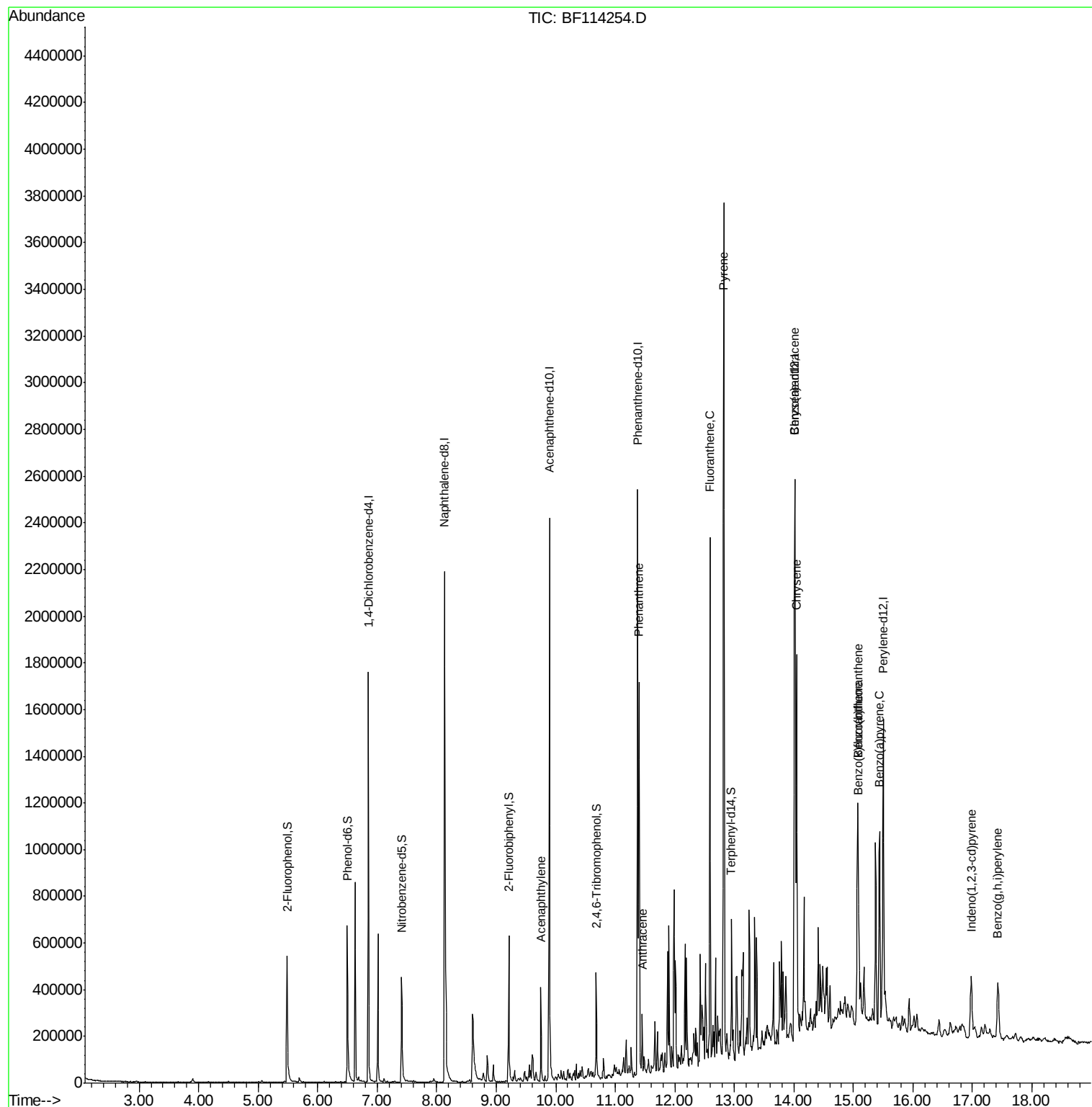
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051319\
Data File : BF114254.D
Acq On : 14 May 2019 10:43
Operator : JU/SJ
Sample : K2765-21DL 4X
Misc :
ALS Vial : 33 Sample Multiplier: 1

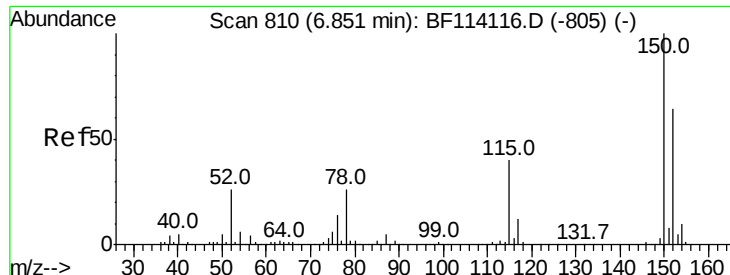
Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:44 PM

Quant Time: May 14 12:26:42 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: BF114254.D

Acq: 14 May 2019 10:43

Instrument :

BNA_F

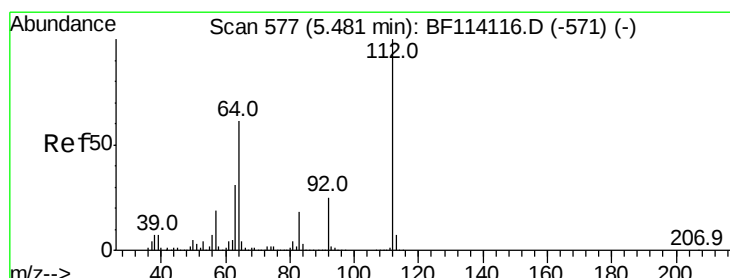
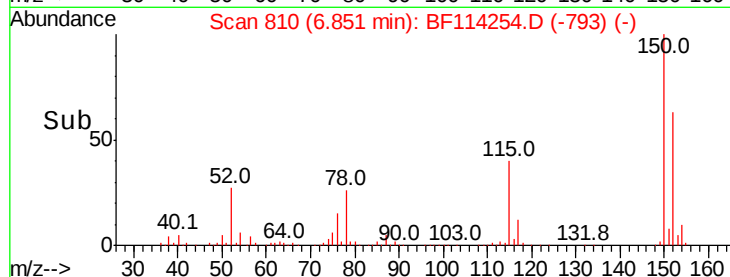
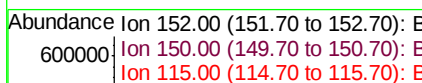
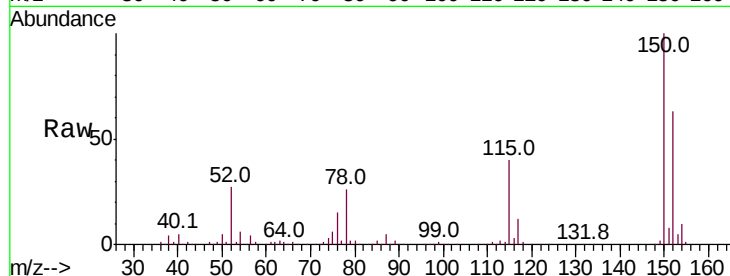
ClientSampleId :

P026-SS006-0002-02DL

Tot Ion:	152	Resp:	257731
Ion Ratio	Lower	Upper	
152	100		
150	157.5	124.3	186.5
115	62.5	49.1	73.7

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:44 PM



#5

2-Fluorophenol

Concen: 12.104 ng

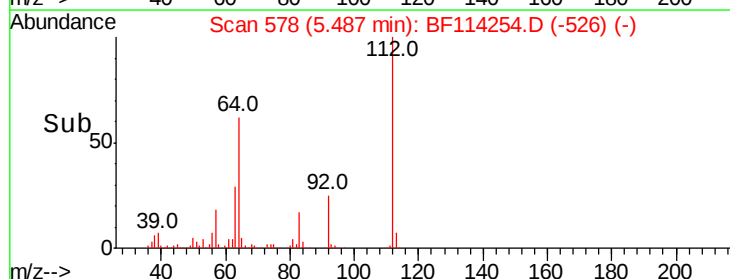
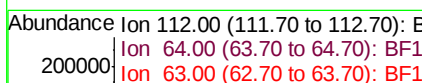
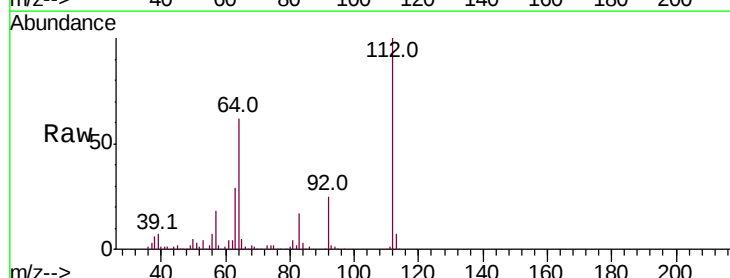
RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Tgt Ion:	112	Resp:	193856
Ion Ratio	Lower	Upper	
112	100		
64	62.2	49.0	73.6
63	28.8	24.6	37.0





#7

Phenol-d6

Concen: 14.418 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Instrument :

BNA_F

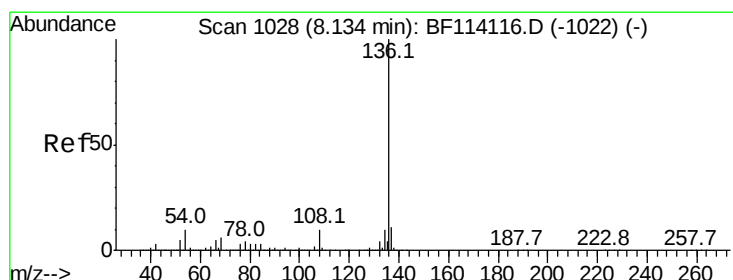
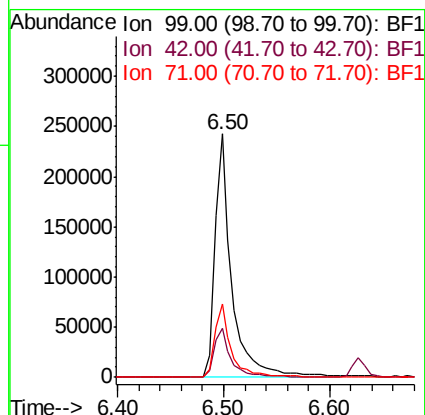
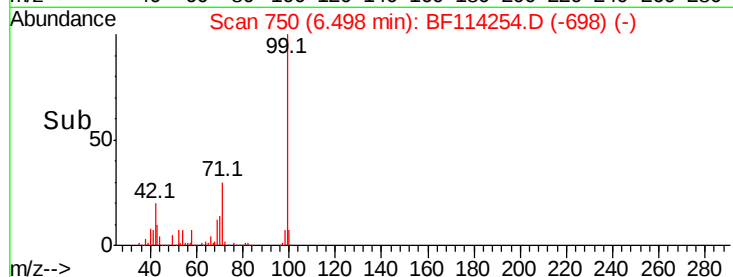
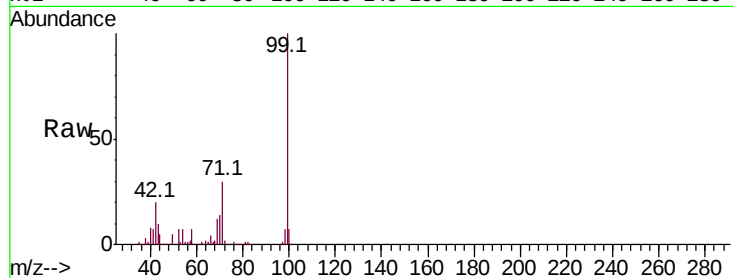
ClientSampleId :

P026-SS006-0002-02DL

Tot Ion:	99	Resp:	273102
Ion Ratio	Lower	Upper	
99	100		
42	20.1	17.9	26.9
71	30.0	26.2	39.2

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:44 PM



#21

Naphthalene-d8

Concen: 20.000 ng

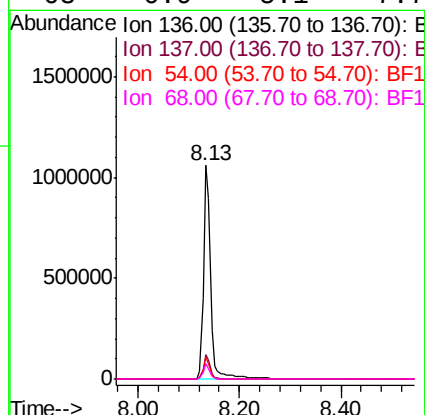
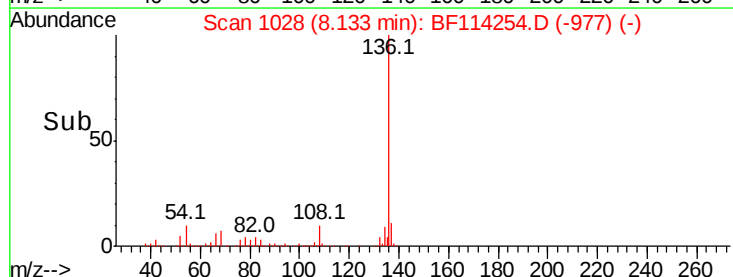
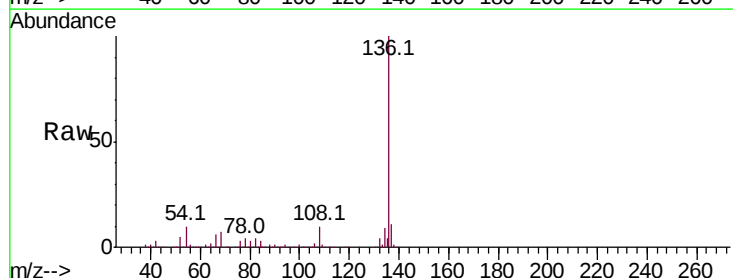
RT: 8.13 min Scan# 1028

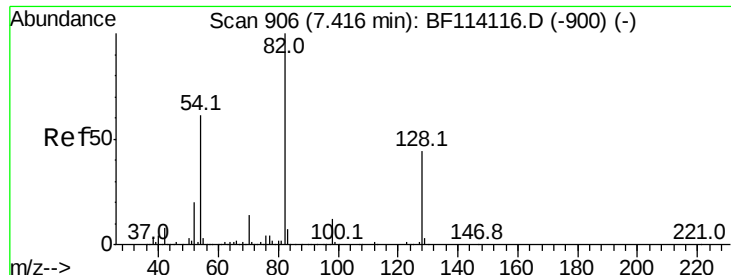
Delta R.T. -0.00 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Tgt Ion:	136	Resp:	1050816
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	10.4	7.8	11.8
68	6.9	5.1	7.7





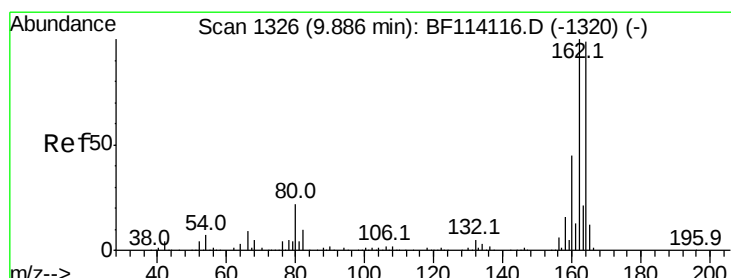
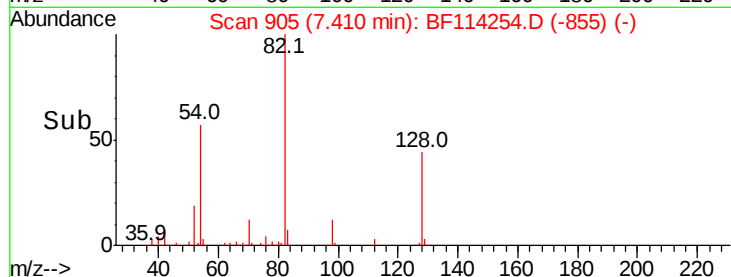
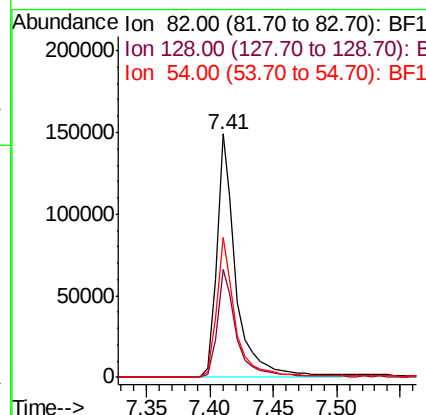
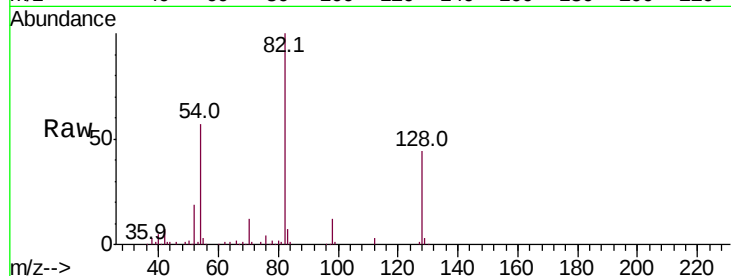
#23
 Nitrobenzene-d5
 Concen: 8.534 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114254.D
 Acq: 14 May 2019 10:43

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-02DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	159785		
128	44.3	35.5	53.3	
54	57.4	48.5	72.7	

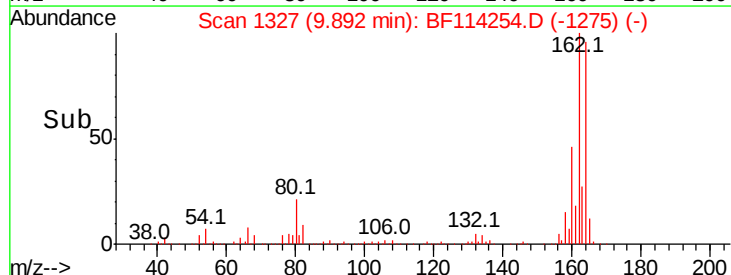
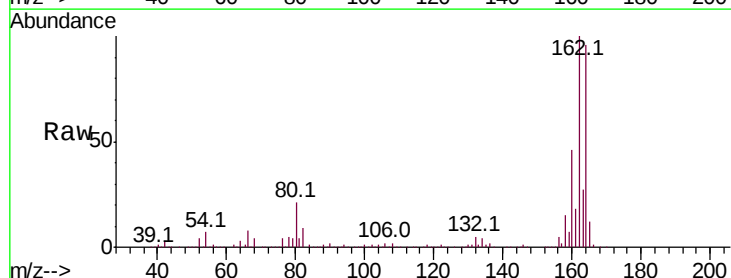
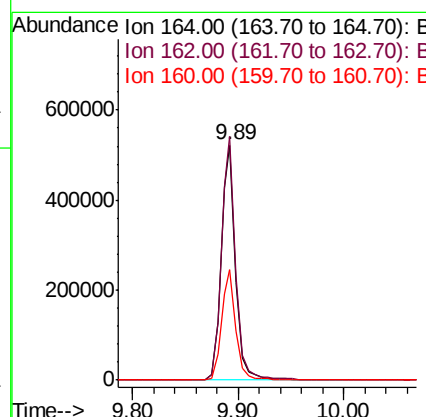
Manual Integrations
 APPROVED

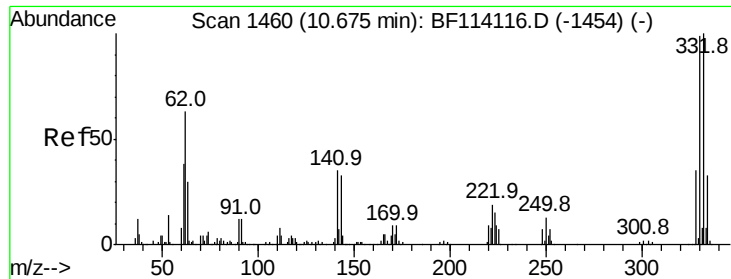
Sohil
 5/14/2019 8:03:44 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF114254.D
 Acq: 14 May 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	500403		
162	103.7	80.6	120.8	
160	47.3	36.5	54.7	





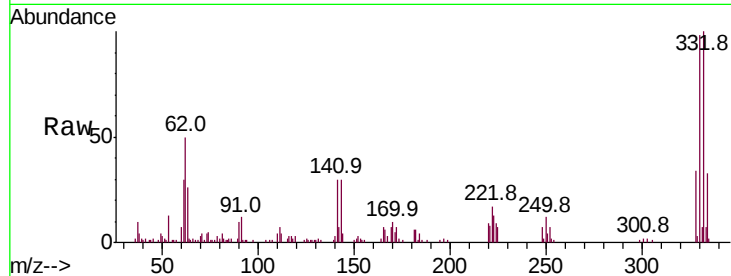
#42
 2,4,6-Tribromophenol
 Concen: 10.077 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.01 min
 Lab File: BF114254.D
 Acq: 14 May 2019 10:43

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS006-0002-02DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	52133		
332	100.4		81.4	122.2
141	37.8		26.6	40.0

Manual Integrations
 APPROVED

Sohil
 5/14/2019 8:03:44 PM

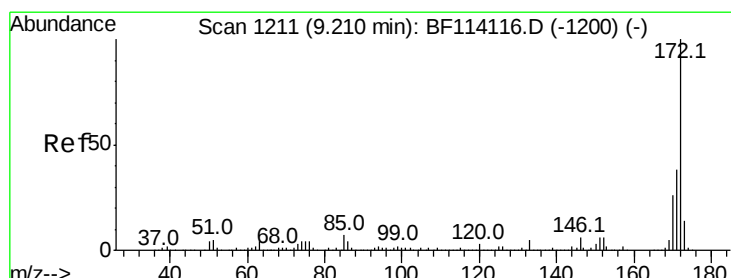
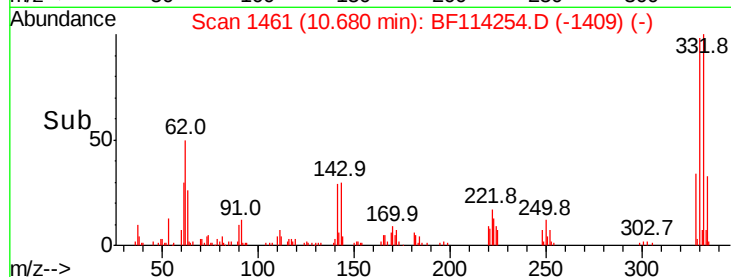
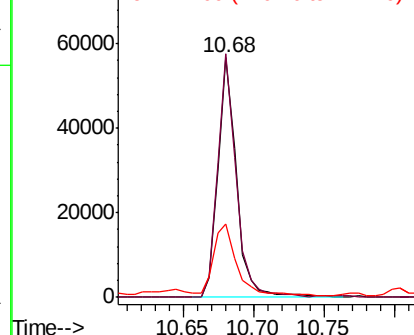


Abundance

Ion 329.80 (329.50 to 330.50): E

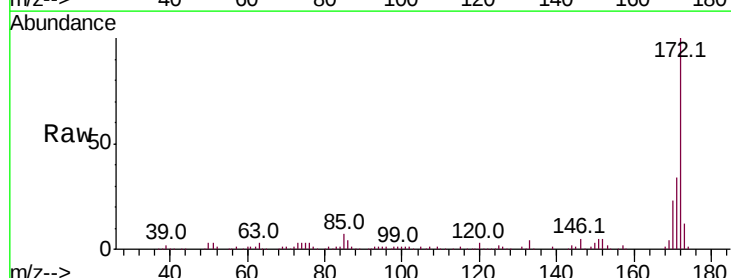
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 7.230 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF114254.D
 Acq: 14 May 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	239176		
171	34.3		30.7	46.1
170	23.2		20.5	30.7

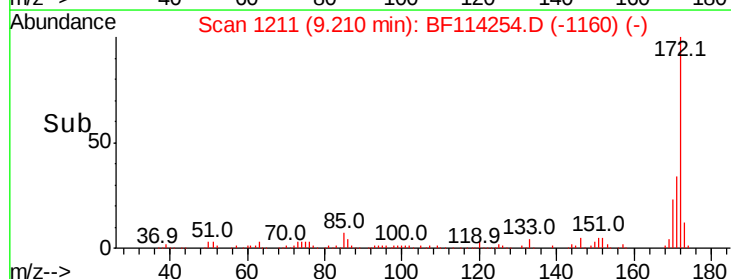
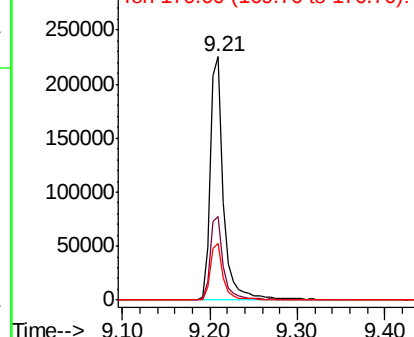


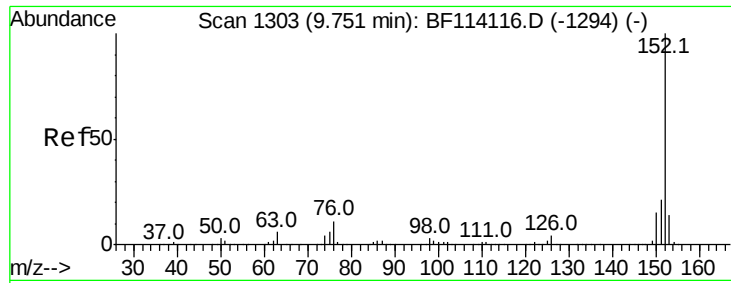
Abundance

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





#49

Acenaphthylene

Concen: 3.408 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Instrument :

BNA_F

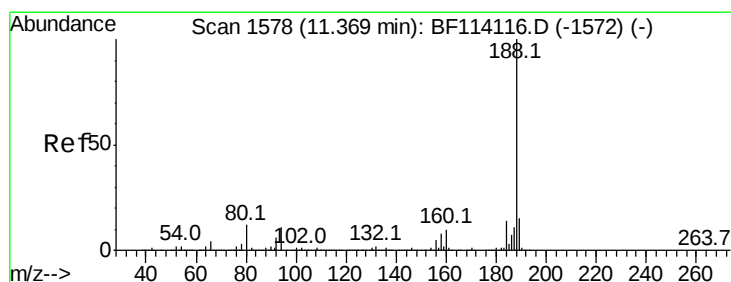
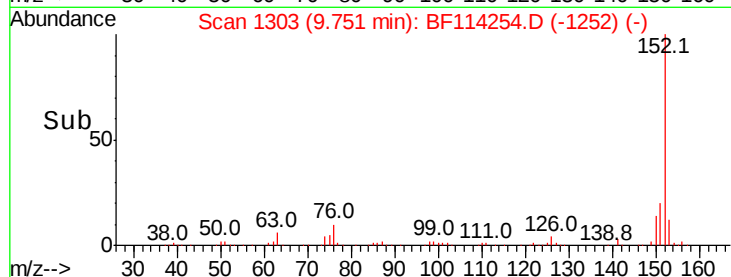
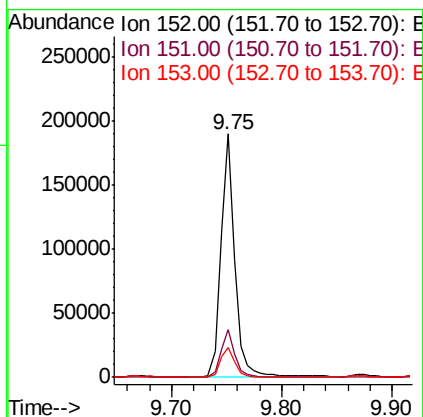
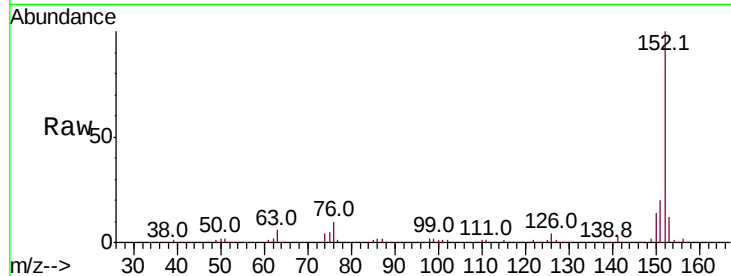
ClientSampleId :

P026-SS006-0002-02DL

Tot Ion:	152	Resp:	168647
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.8	25.2
153	12.0	11.4	17.2

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:44 PM



#64

Phenanthrene-d10

Concen: 20.000 ng

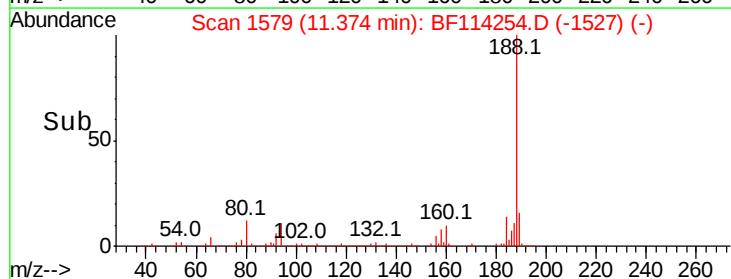
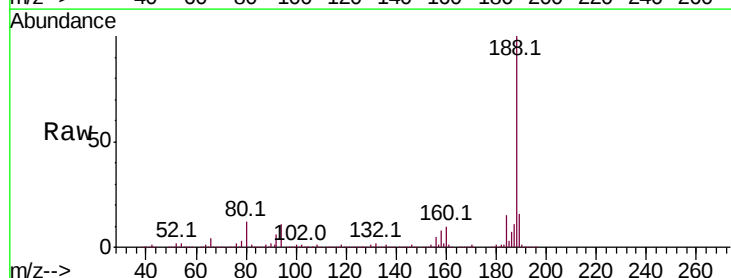
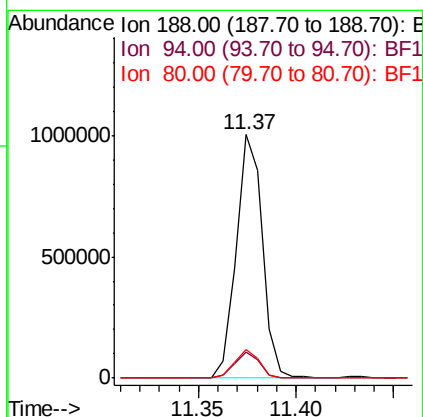
RT: 11.37 min Scan# 1579

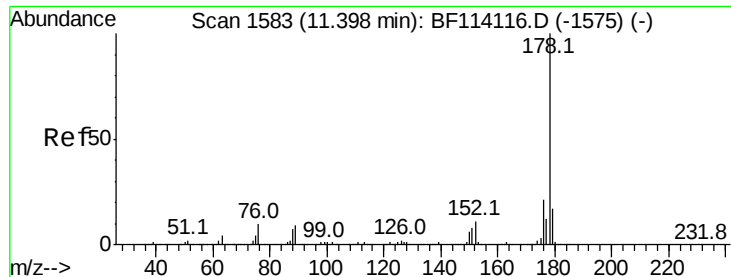
Delta R.T. 0.01 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Tgt Ion:	188	Resp:	928898
Ion Ratio	Lower	Upper	
188	100		
94	10.9	8.4	12.6
80	11.9	9.2	13.8





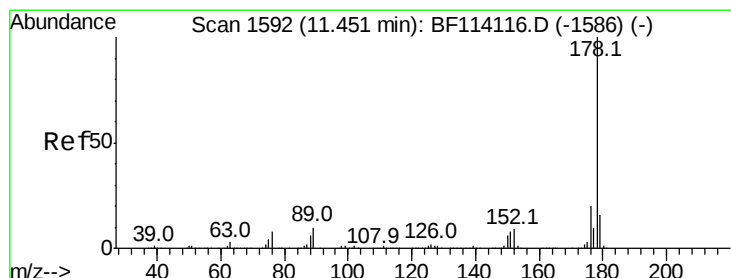
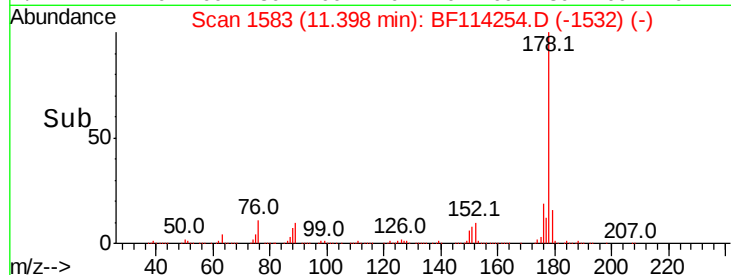
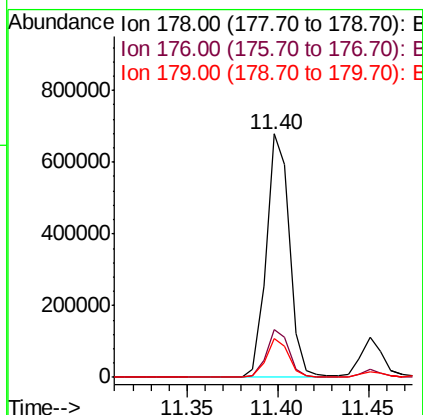
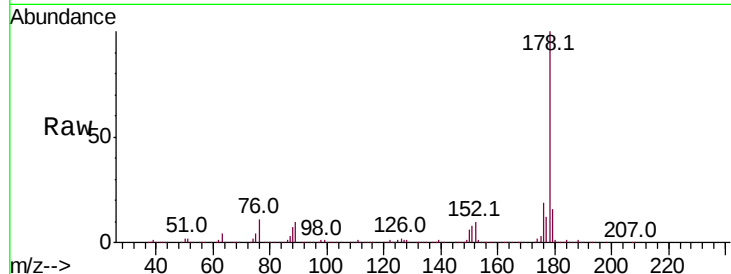
#71
Phenanthrene
Concen: 13.343 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.4	24.6
179	16.0	13.2	19.8

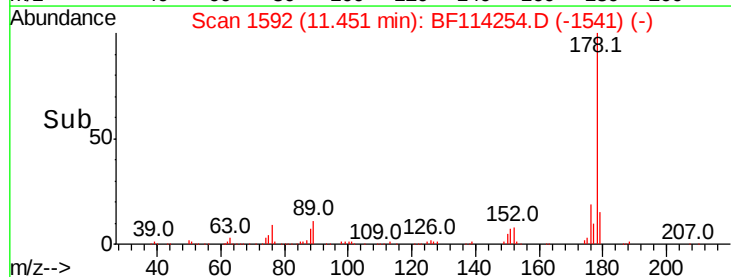
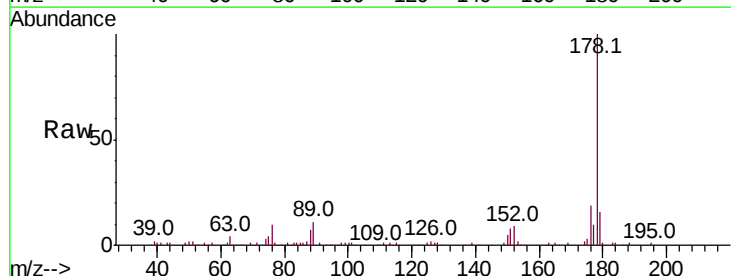
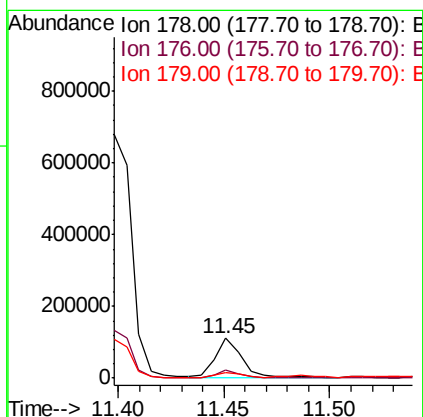
Manual Integrations
APPROVED

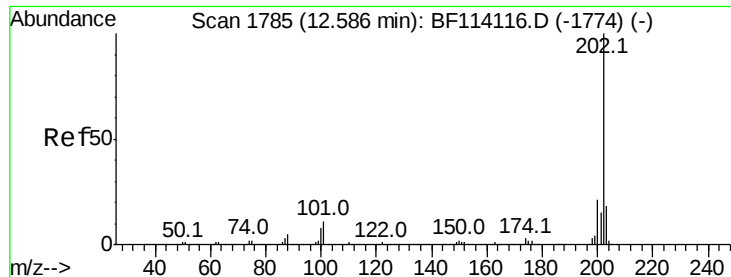
Sohil
5/14/2019 8:03:44 PM



#72
Anthracene
Concen: 2.137 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.5	13.0	19.4





#75

Fluoranthene

Concen: 16.527 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Instrument :

BNA_F

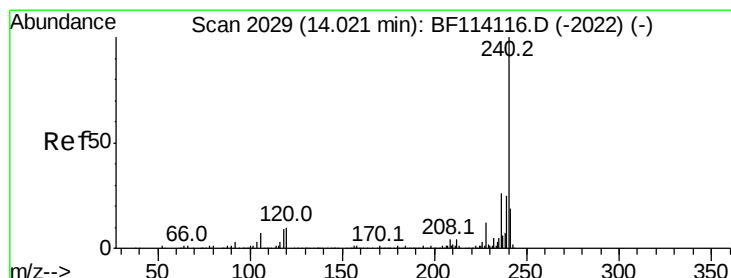
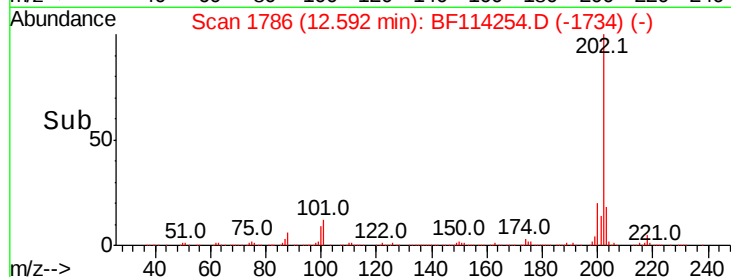
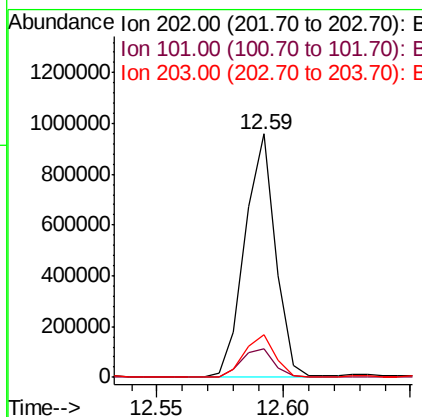
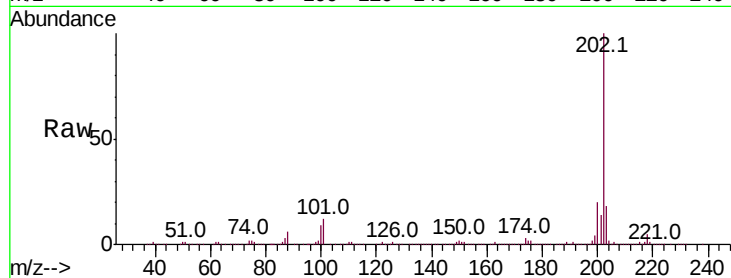
ClientSampleId :

P026-SS006-0002-02DL

Tot Ion:	202	Resp:	804307
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	31.0
203	17.8	0.0	38.4

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:44 PM



#76

Chrysene-d12

Concen: 20.000 ng

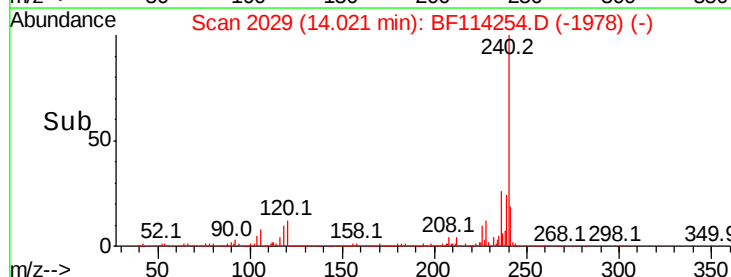
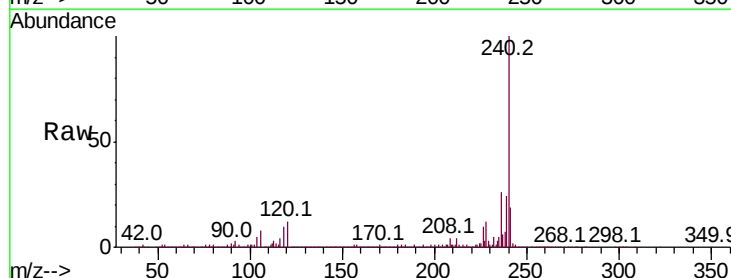
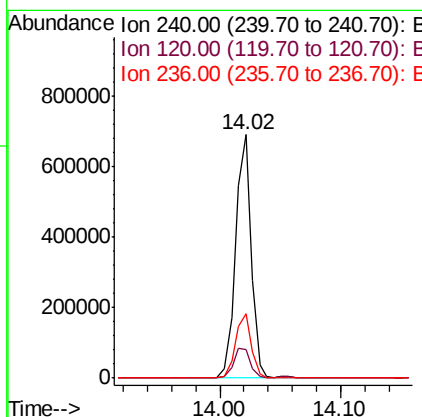
RT: 14.02 min Scan# 2029

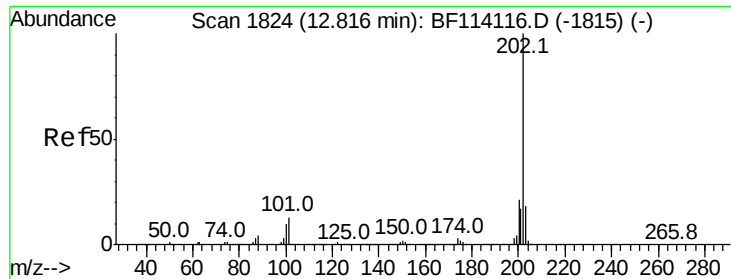
Delta R.T. -0.00 min

Lab File: BF114254.D

Acq: 14 May 2019 10:43

Tgt Ion:	240	Resp:	623859
Ion Ratio	Lower	Upper	
240	100		
120	11.8	8.3	12.5
236	26.5	20.8	31.2





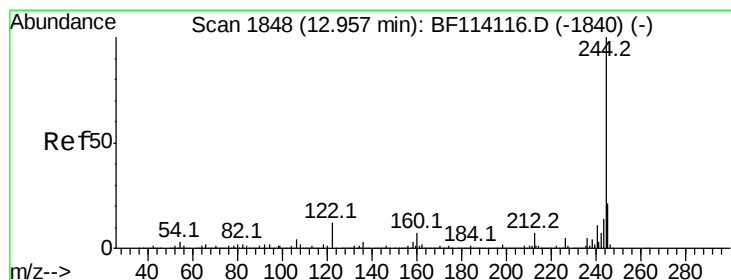
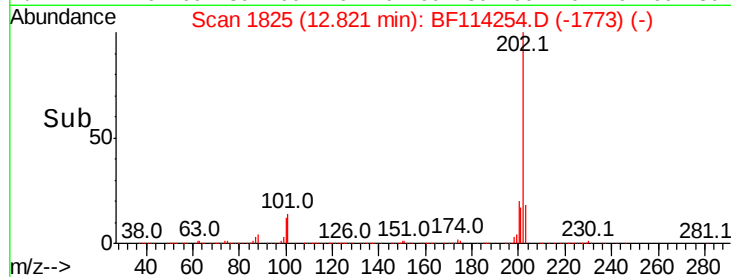
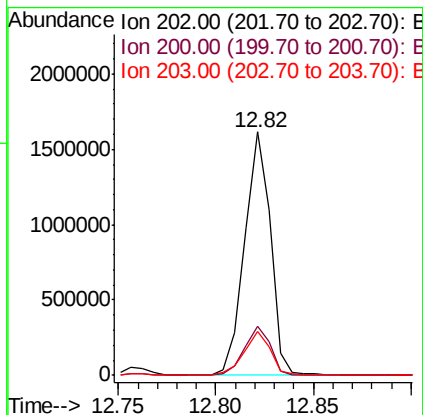
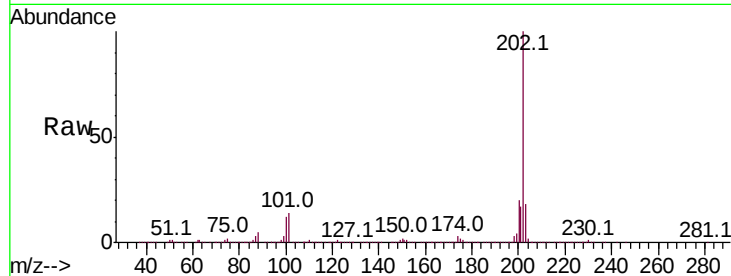
#78
Pvrene
Concen: 29.483 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.9	25.3
203	18.1	14.5	21.7

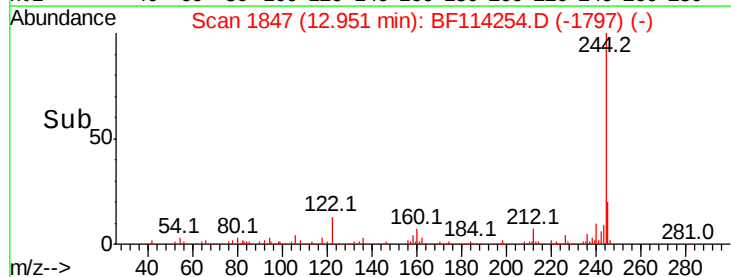
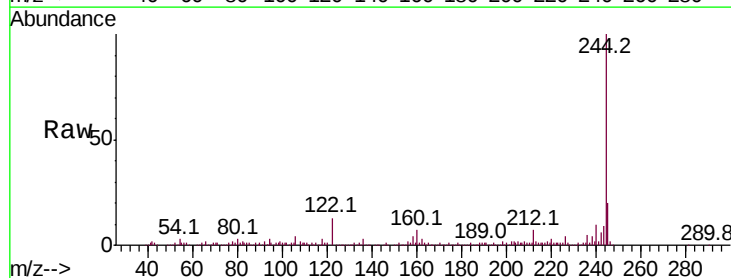
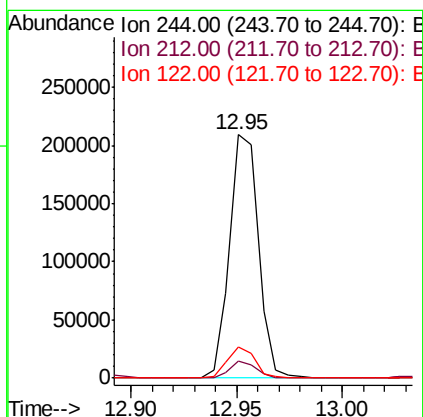
Manual Integrations
APPROVED

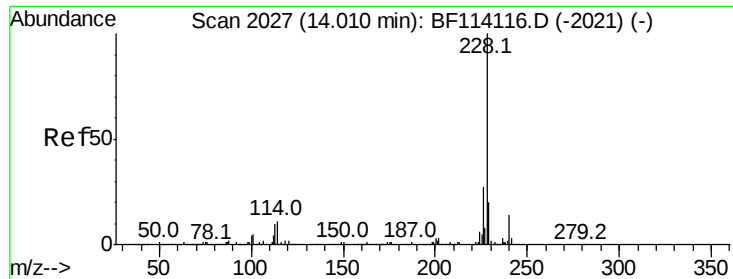
Sohil
5/14/2019 8:03:44 PM



#79
Terphenyl-d14
Concen: 6.533 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	12.8	9.4	14.2





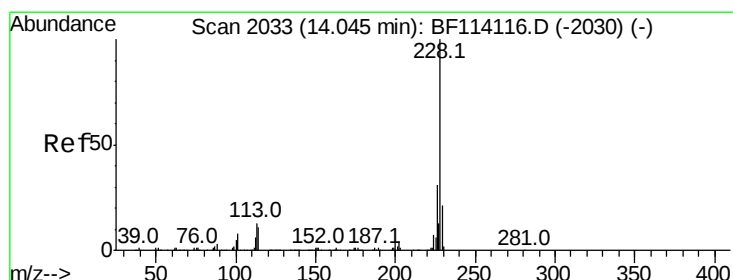
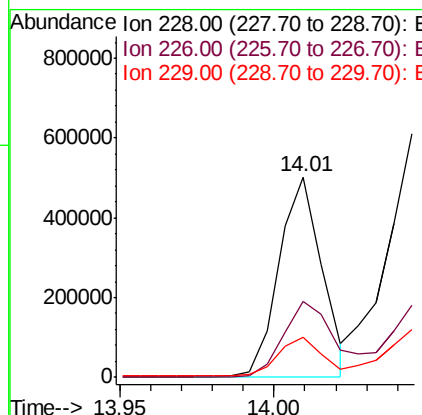
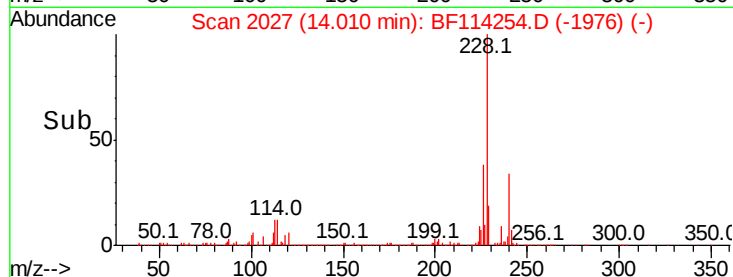
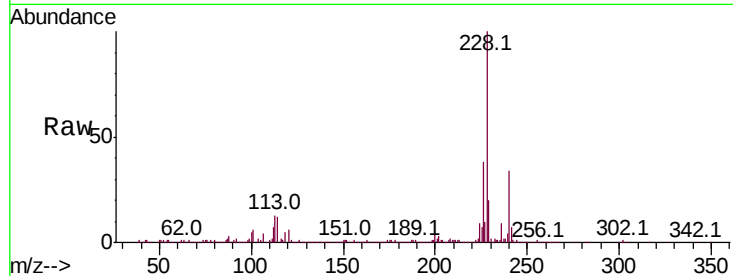
#81
Benzo(a)anthracene
Concen: 12.093 ng m
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.2	22.2	33.2#
229	19.8	16.4	24.6

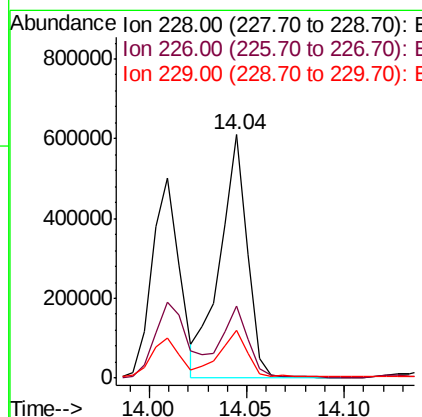
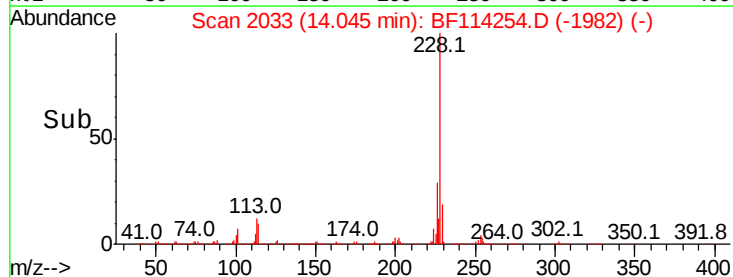
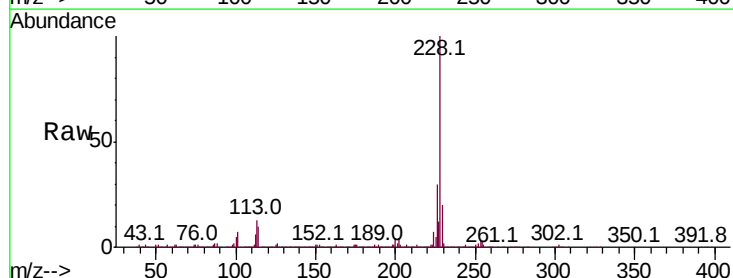
Manual Integrations
APPROVED

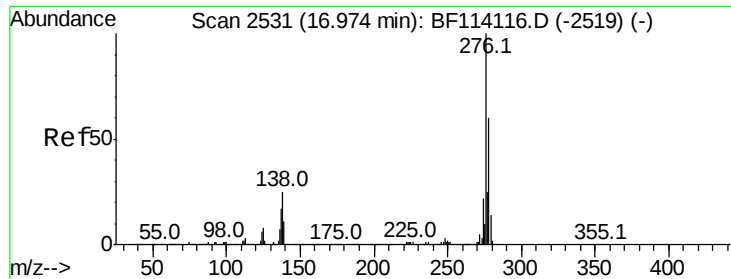
Sohil
5/14/2019 8:03:44 PM



#83
Chrysene
Concen: 14.963 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	19.5	17.0	25.6





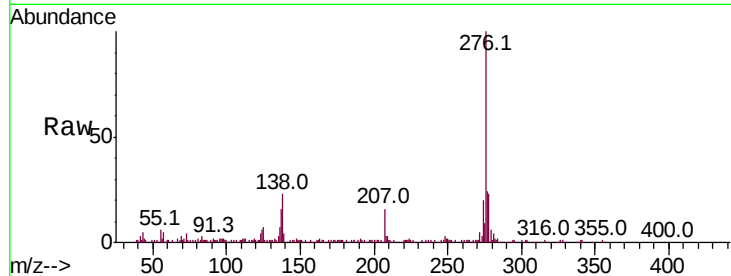
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.267 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.2	30.2
277	23.1	20.0	30.0

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:44 PM

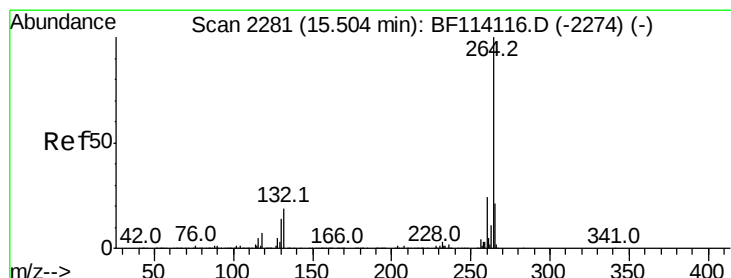
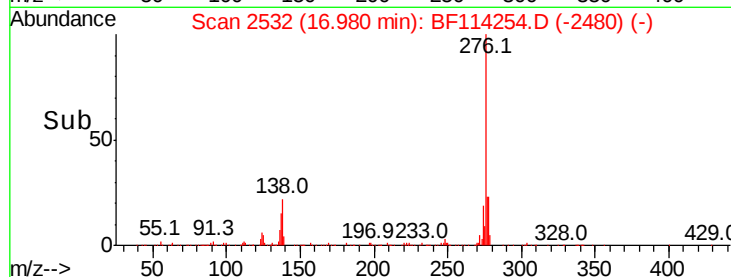
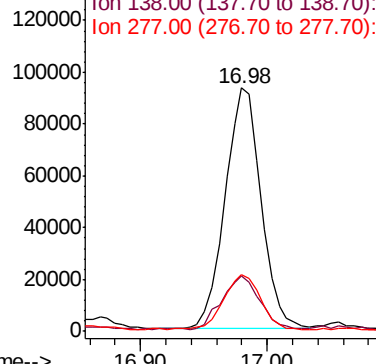


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

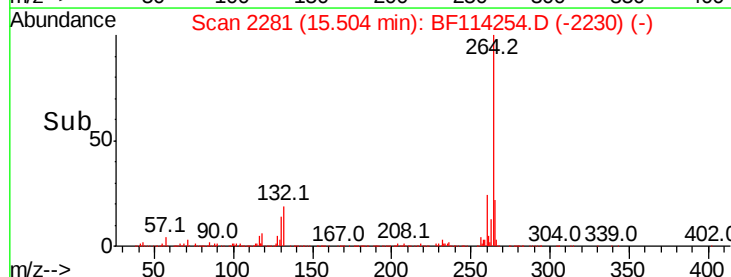
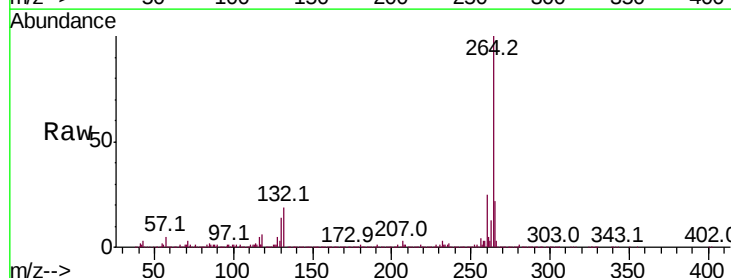
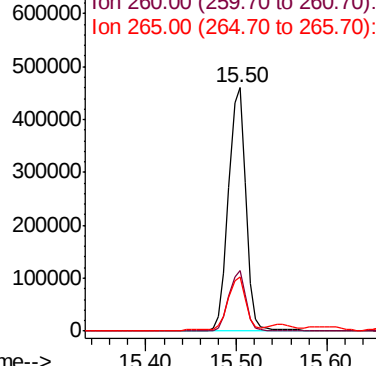
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	22.3	16.9	25.3

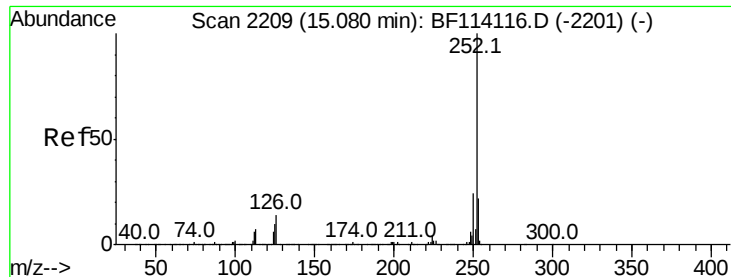
Abundance

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





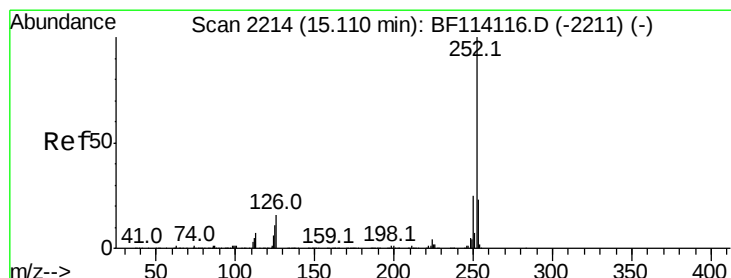
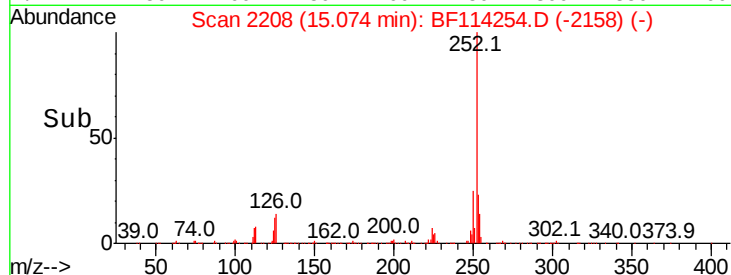
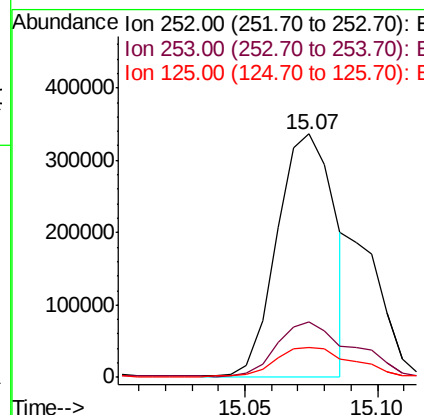
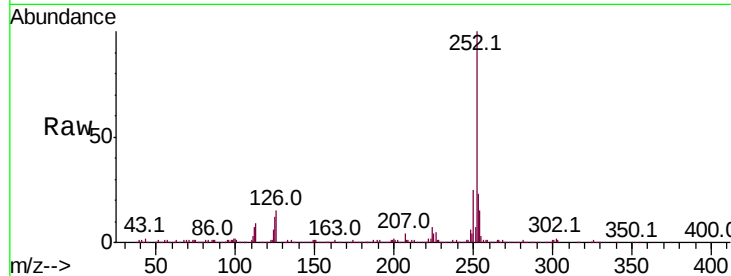
#88
Benzo(b)fluoranthene
Concen: 13.038 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.4	8.3	12.5

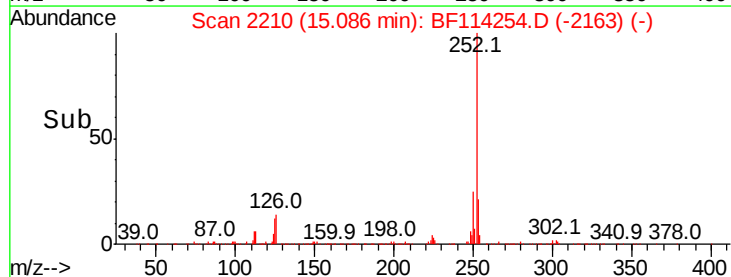
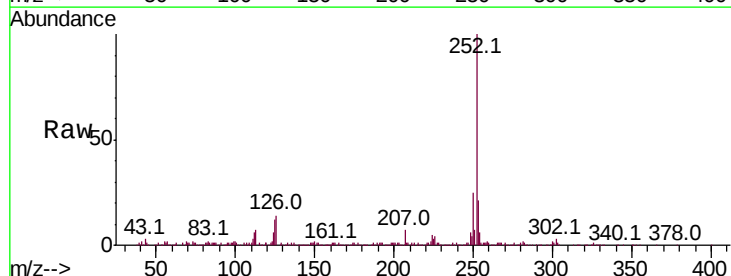
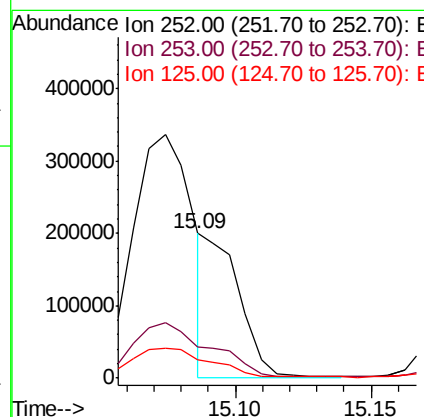
Manual Integrations
APPROVED

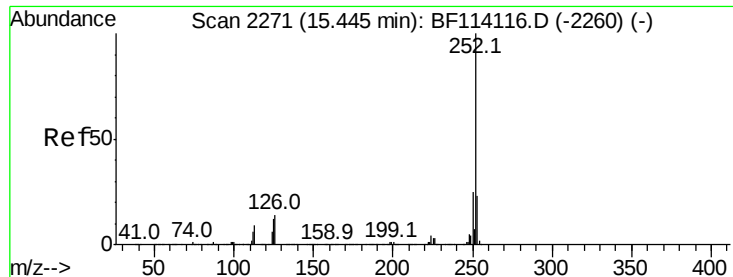
Sohil
5/14/2019 8:03:44 PM



#89
Benzo(k)fluoranthene
Concen: 4.767 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.02 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.2
125	12.2	8.6	13.0





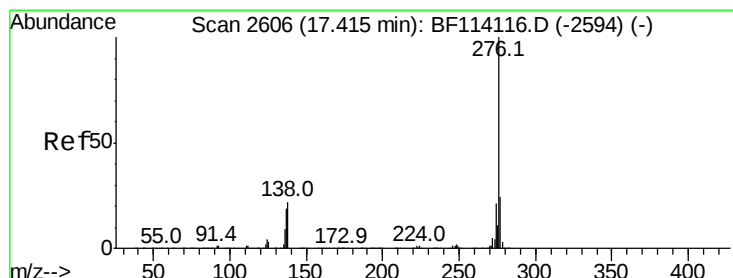
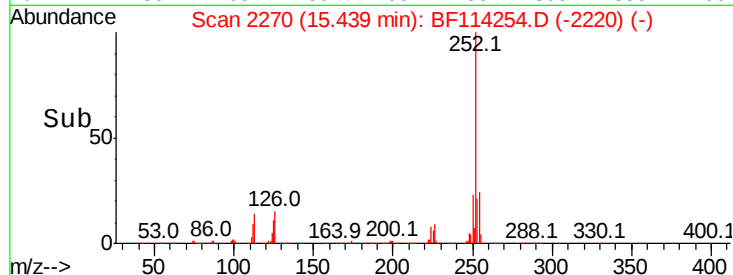
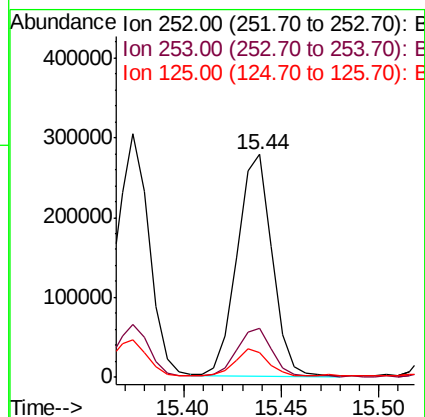
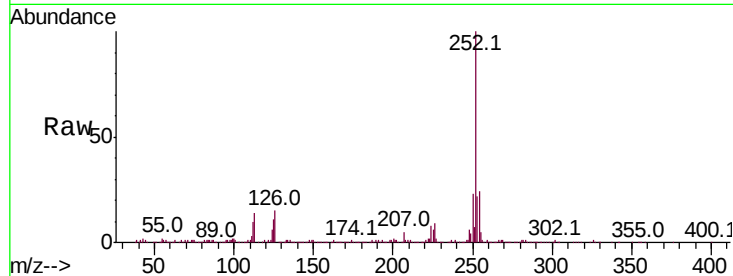
#90
Benzo(a)pyrene
Concen: 10.001 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Instrument :
BNA_F
ClientSampleId :
P026-SS006-0002-02DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	346662		
253	21.8		18.1	27.1
125	11.2		9.5	14.3

Manual Integrations
APPROVED

Sohil
5/14/2019 8:03:44 PM



#92
Benzo(g,h,i)perylene
Concen: 7.073 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BF114254.D
Acq: 14 May 2019 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	204143		
277	22.6		19.0	28.4
138	23.9		17.8	26.6

