

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
 Data File : BF112865.D
 Acq On : 5 Mar 2019 21:17
 Operator : JU/SJ
 Sample : K1705-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW012-022719

Manual Integrations
 APPROVED

Sohil
 3/6/2019 12:24:37 PM

Quant Time: Mar 06 04:04:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	322857	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	1280066	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	629917	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	1217154	20.00	ng	0.00
76) Chrysene-d12	13.88	240	820334	20.00	ng	0.00
87) Perylene-d12	15.29	264	889022	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	860171	41.44	ng	0.00
7) Phenol-d6	6.37	99	1143753	43.87	ng	0.00
23) Nitrobenzene-d5	7.30	82	696350	32.55	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	366647	54.83	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1224576	26.49	ng	0.00
79) Terphenyl-d14	12.83	244	1146936	27.10	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.49	163	106449	2.292	ng	98
52) Acenaphthene	9.80	154	144355	3.624	ng	98
55) Dibenzofuran	9.97	168	168361	2.908	ng	96
58) Fluorene	10.32	166	149560	3.640	ng	99
71) Phenanthrene	11.27	178	1544403	25.503	ng	99
72) Anthracene	11.32	178	474418	7.484	ng	98
73) Carbazole	11.47	167	149810	2.423	ng	98
75) Fluoranthene	12.46	202	1490937	22.980	ng	97
78) Pyrene	12.69	202	1235719	17.869	ng	100
81) Benzo(a)anthracene	13.87	228	665127	11.699	ng	99
83) Chrysene	13.90	228	591596	10.623	ng	96
86) Indeno(1,2,3-cd)pyrene	16.64	276	199425m	4.200	ng	
88) Benzo(b)fluoranthene	14.89	252	658033m	11.443	ng	
89) Benzo(k)fluoranthene	14.91	252	199796m	3.836	ng	
90) Benzo(a)pyrene	15.23	252	454126	8.928	ng	97
92) Benzo(g,h,i)perylene	17.05	276	150329	3.449	ng	95

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

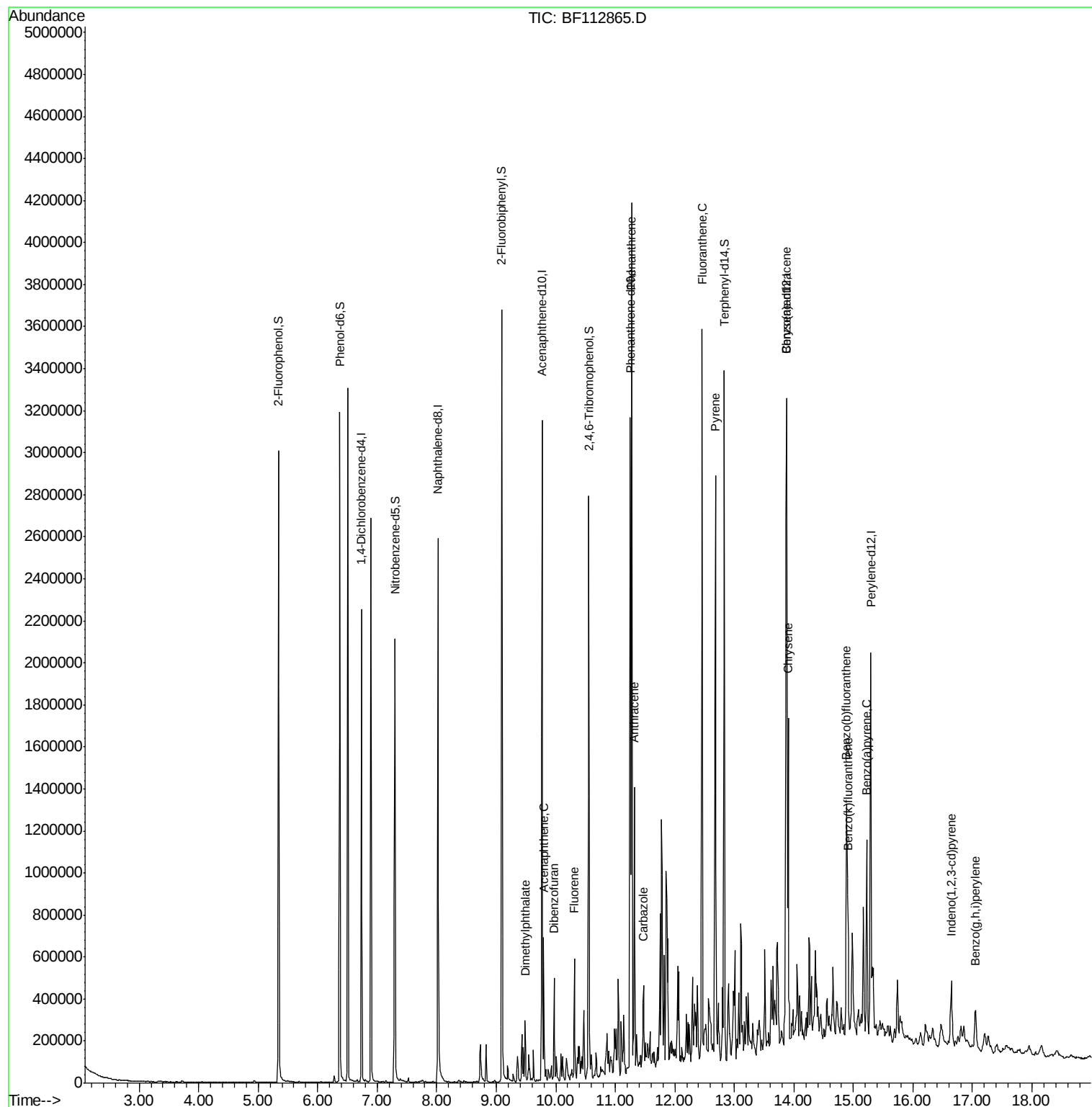
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030519\
Data File : BF112865.D
Acq On : 5 Mar 2019 21:17
Operator : JU/SJ
Sample : K1705-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

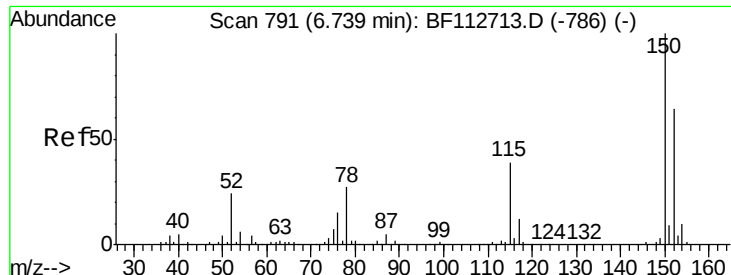
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719

Manual Integrations
APPROVED

Sohil
3/6/2019 12:24:37 PM

Quant Time: Mar 06 04:04:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration





#1

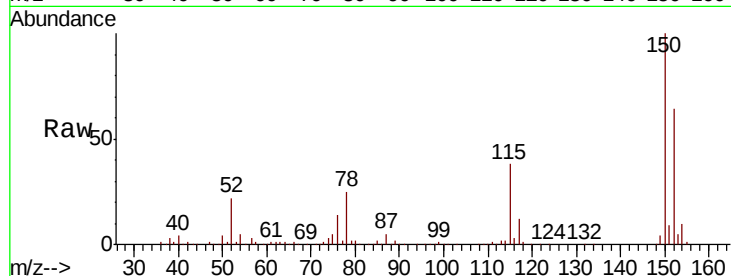
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.2	186.2
115	58.6	48.2	72.4

Manual Integrations
APPROVED

Sohil
3/6/2019 12:24:37 PM

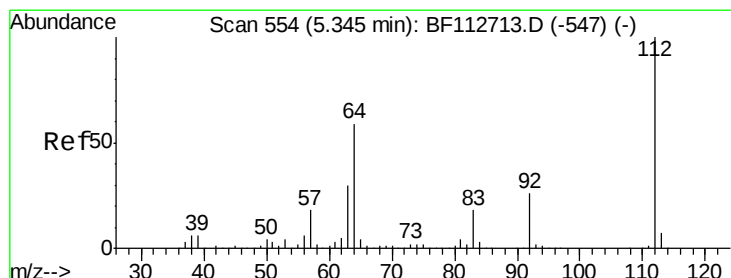
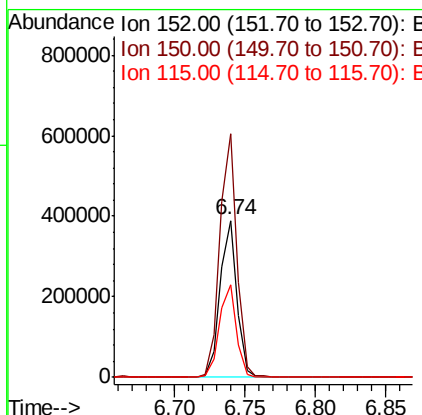
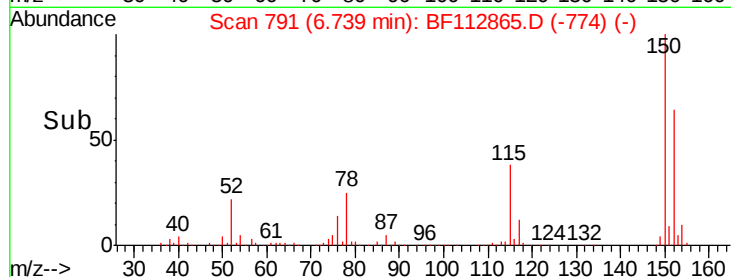


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

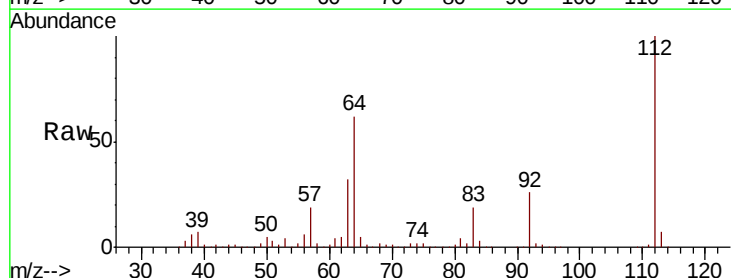
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.444 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	47.6	71.4
63	31.8	24.4	36.6

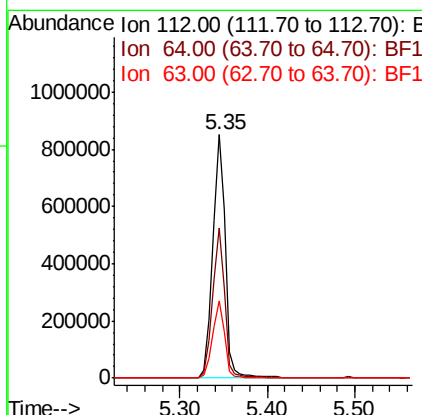
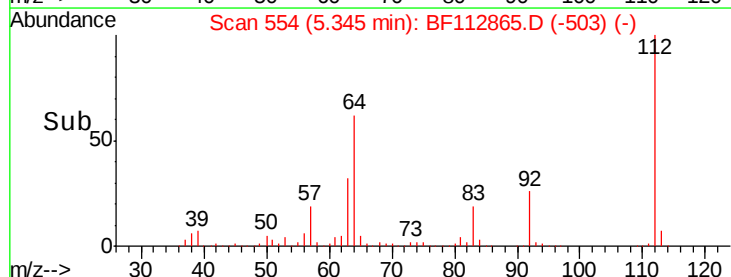


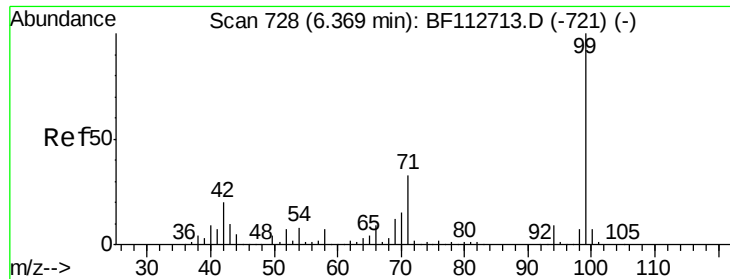
Abundance

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: 43.869 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112865.D

Acq: 5 Mar 2019 21:17

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW012-022719

Tot Ion: 99 Resp: 1143753

Ion Ratio Lower Upper

99 100

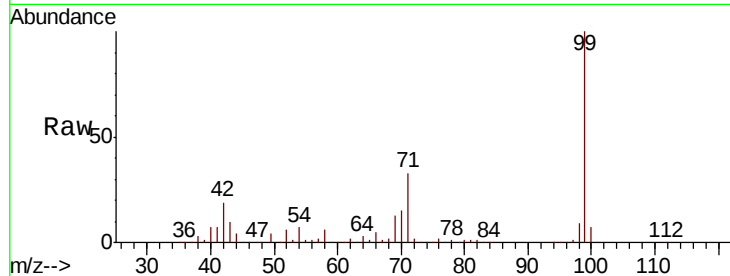
42 19.0 16.3 24.5

71 32.8 26.2 39.4

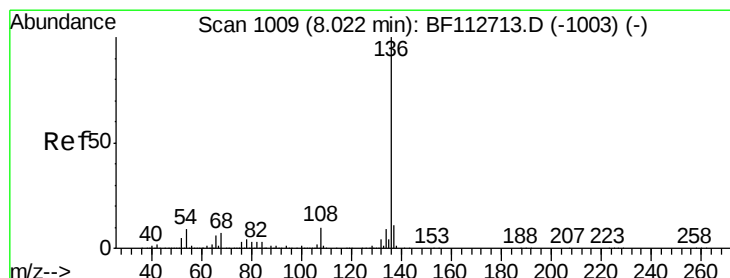
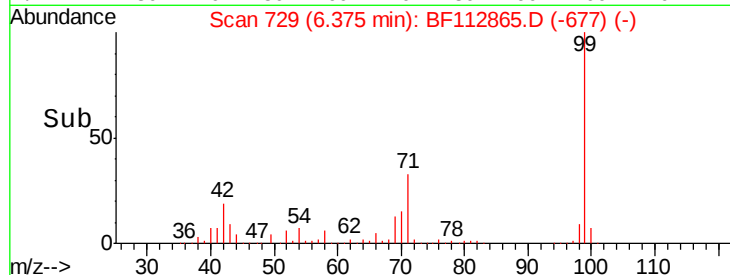
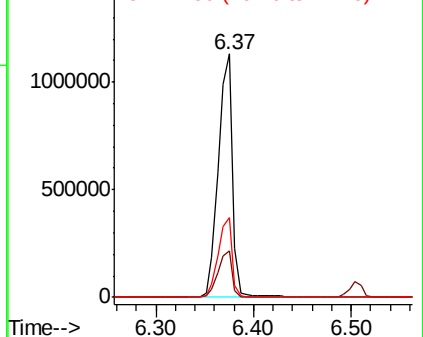
Manual Integrations
APPROVED

Sohil

3/6/2019 12:24:37 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: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112865.D

Acq: 5 Mar 2019 21:17

Tgt Ion: 136 Resp: 1280066

Ion Ratio Lower Upper

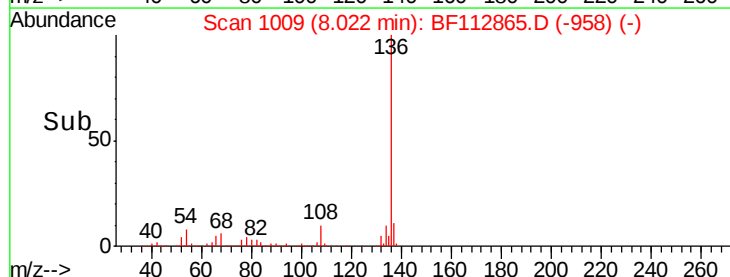
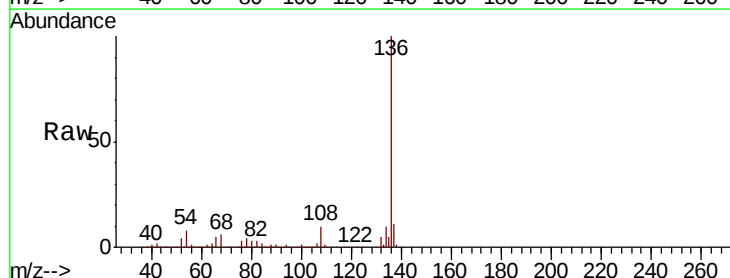
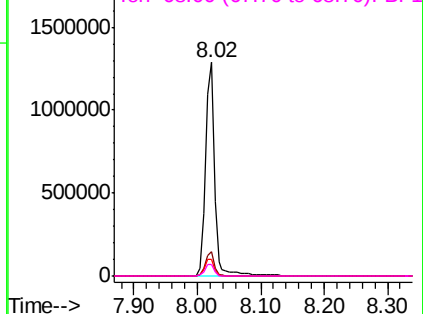
136 100

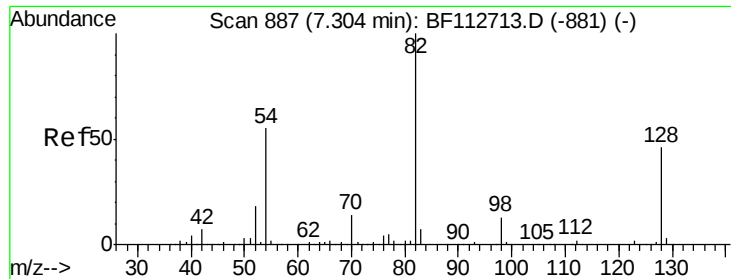
137 11.2 8.9 13.3

54 7.9 7.3 10.9

68 5.5 5.4 8.2

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





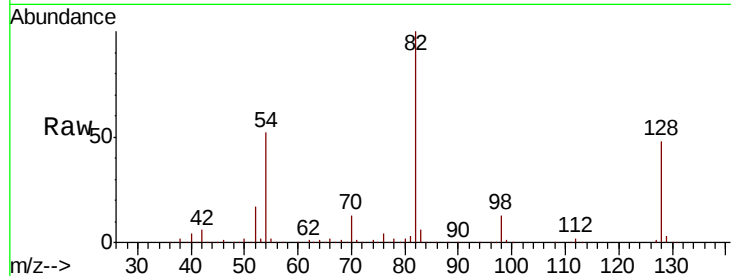
#23
Nitrobenzene-d5
Concen: 32.552 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719

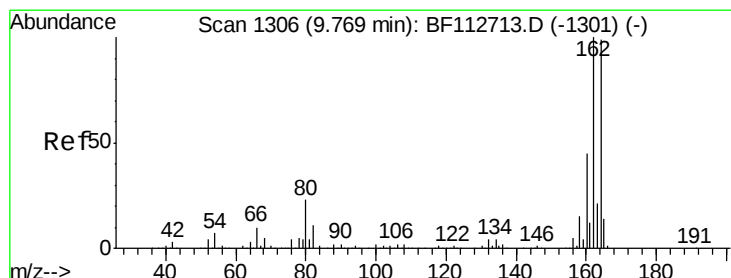
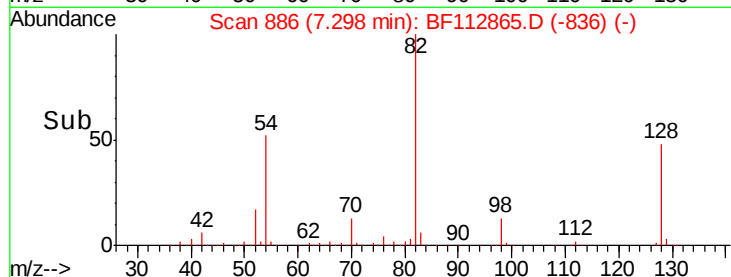
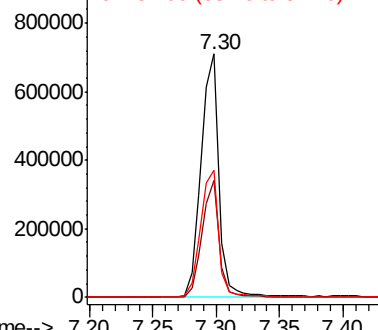
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	36.3	54.5
54	52.2	43.7	65.5

Manual Integrations
APPROVED

Sohil
3/6/2019 12:24:37 PM



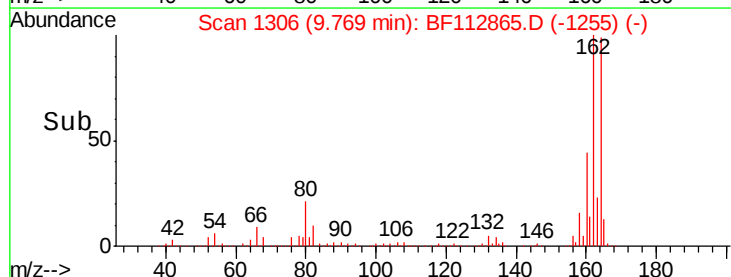
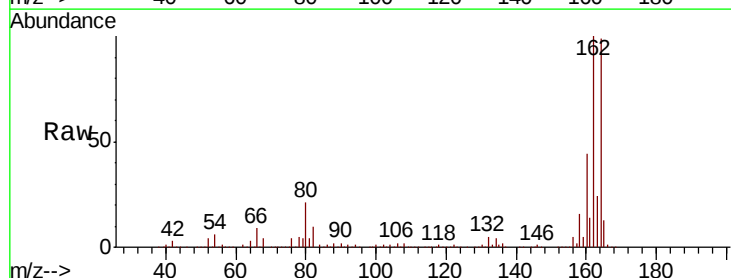
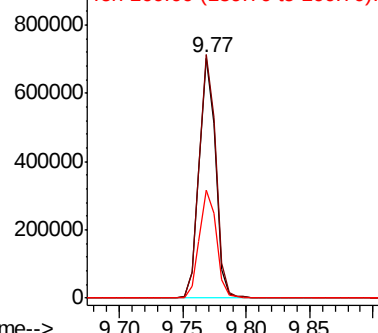
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	120.8
160	45.1	36.0	54.0

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 54.827 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF112865.D

Acq: 5 Mar 2019 21:17

Instrument :

BNA_F

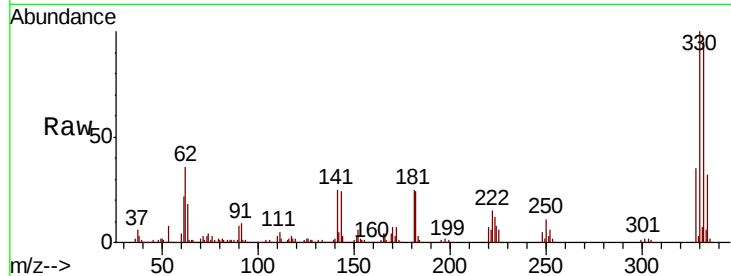
ClientSampleId :

EXT-027-SW012-022719

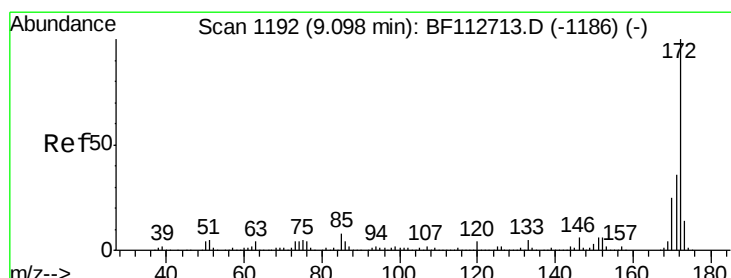
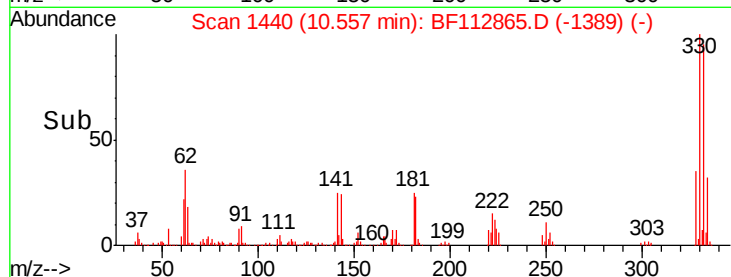
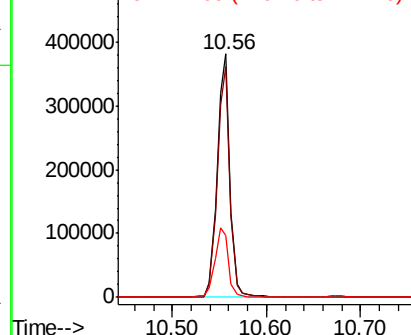
Tot Ion:	330	Resp:	366647
Ion Ratio	Lower	Upper	
330	100		
332	94.6	76.2	114.4
141	30.5	27.0	40.6

Manual Integrations
APPROVED

Sohil
3/6/2019 12:24:37 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: 26.487 ng

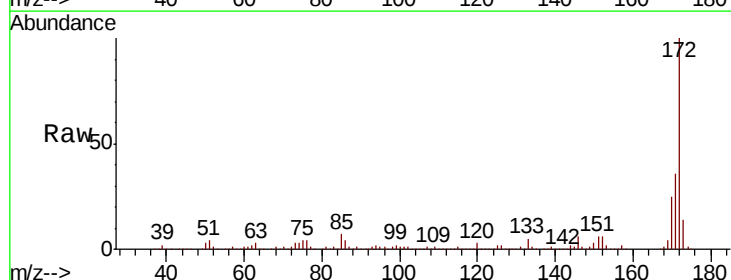
RT: 9.09 min Scan# 1191

Delta R.T. -0.01 min

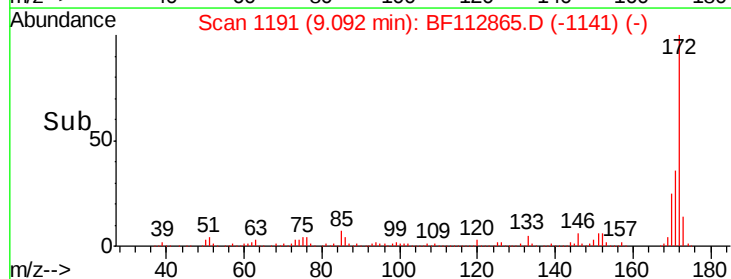
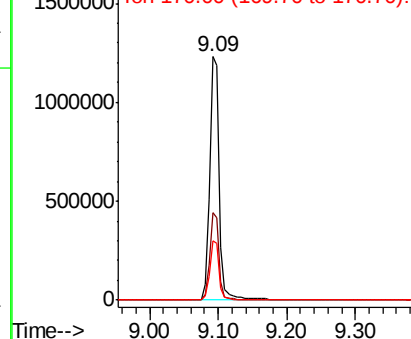
Lab File: BF112865.D

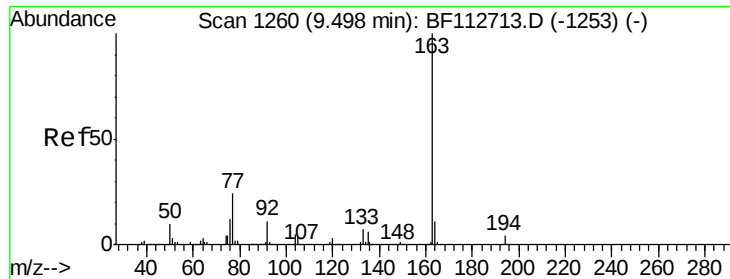
Acq: 5 Mar 2019 21:17

Tgt Ion:	172	Resp:	1224576
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.0	43.4
170	24.6	20.0	30.0



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





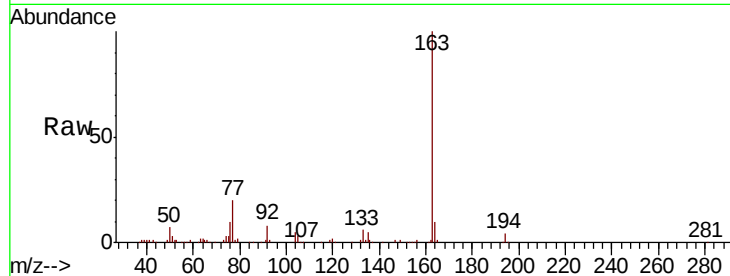
#50
Dimethylphthalate
Concen: 2.292 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719

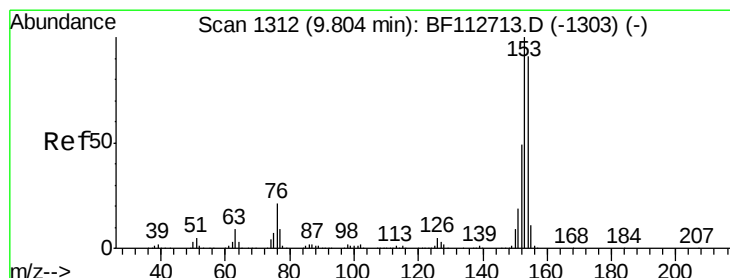
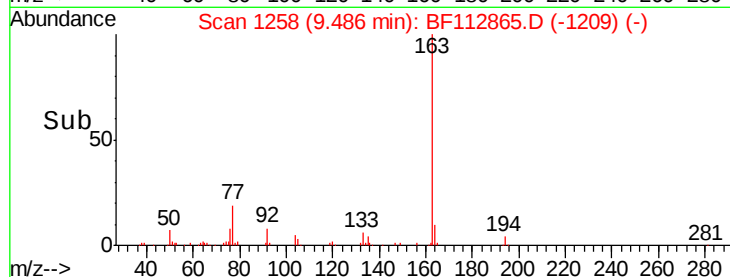
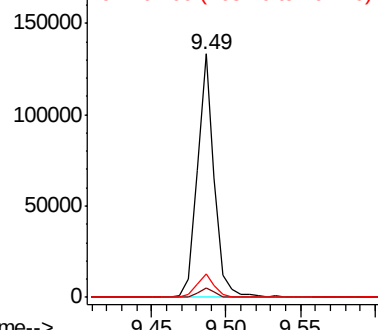
Tot Ion:	163	Resp:	106449
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.4
164	9.5	8.4	12.6

Manual Integrations
APPROVED

Sohil
3/6/2019 12:24:37 PM

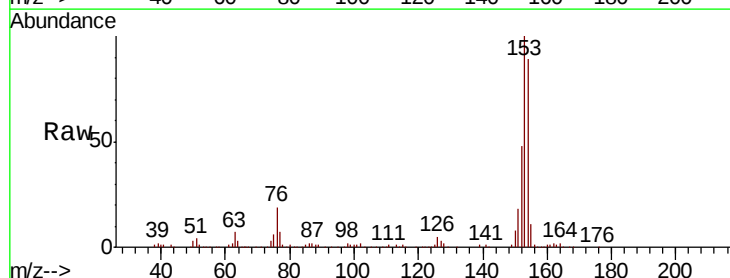


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

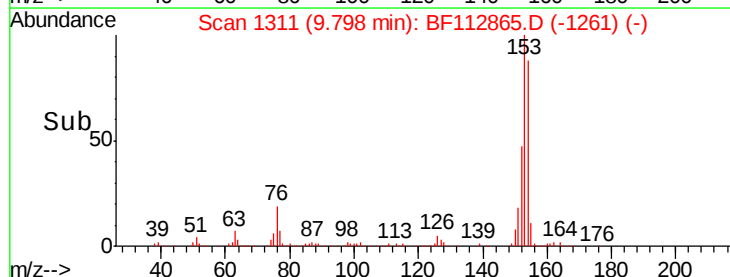
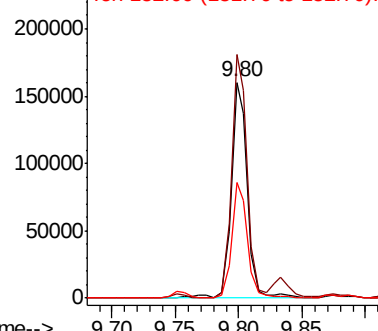


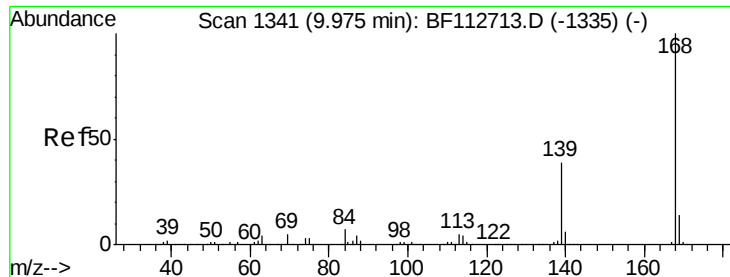
#52
Acenaphthene
Concen: 3.624 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Tgt Ion:	154	Resp:	144355
Ion Ratio	Lower	Upper	
154	100		
153	112.7	87.8	131.8
152	53.6	43.0	64.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





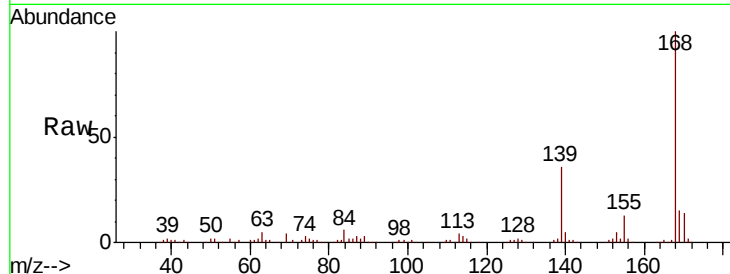
#55
Dibenzenofuran
Concen: 2.908 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.9	31.3	46.9
169	14.8	11.3	16.9

Manual Integrations
APPROVED

Sohil
3/6/2019 12:24:37 PM

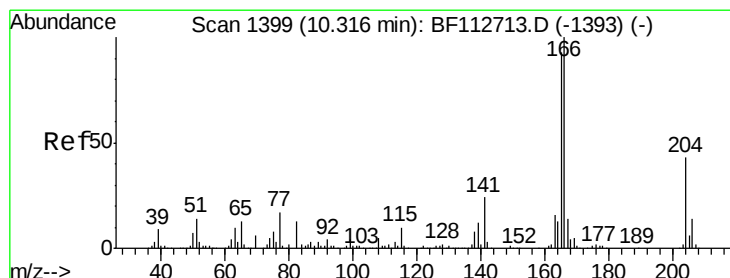
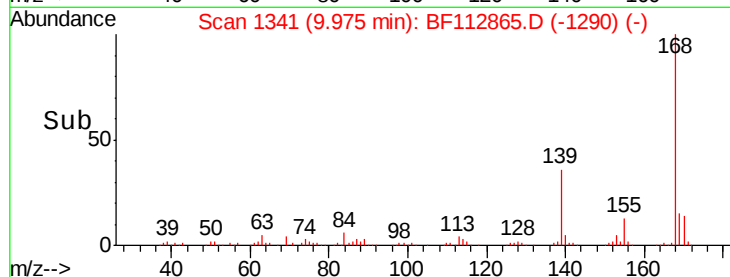
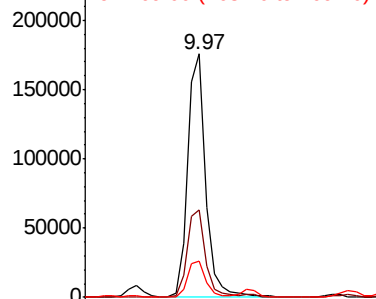


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 3.640 ng
RT: 10.32 min Scan# 1399
Delta R.T. 0.00 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

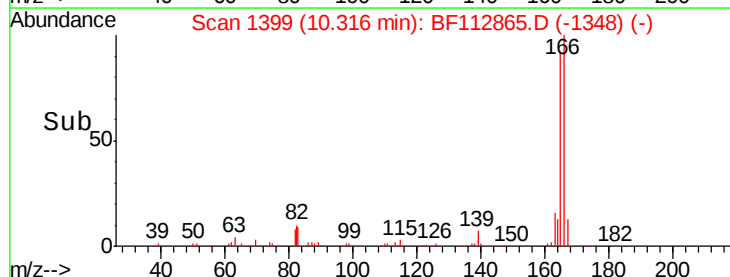
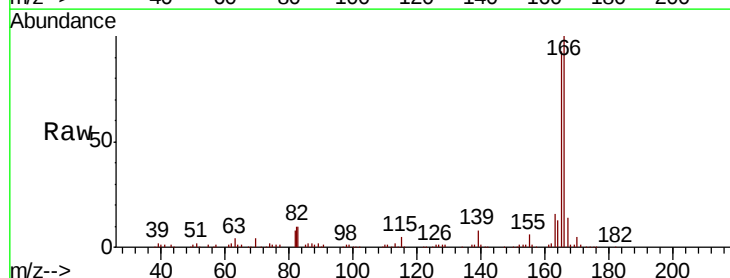
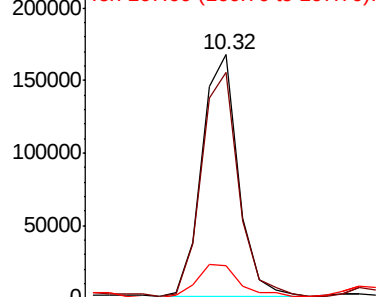
Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.9	74.7	112.1
167	13.5	11.0	16.6

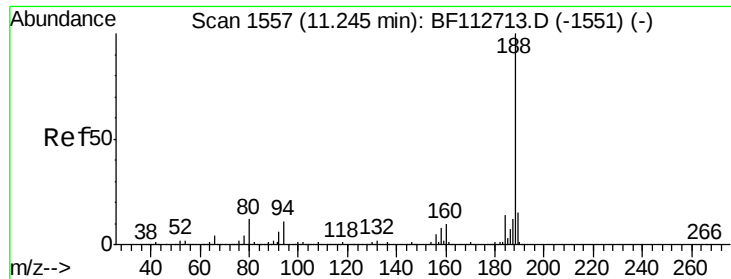
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





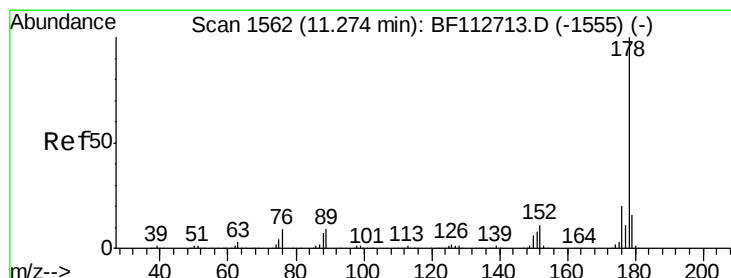
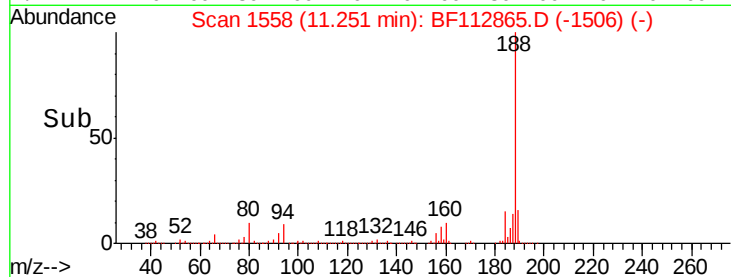
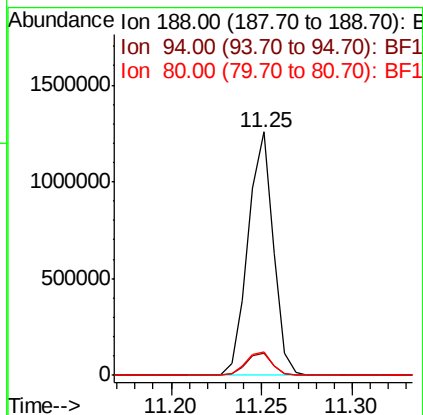
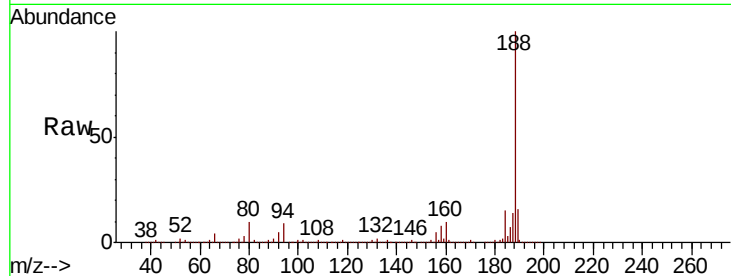
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.1	9.0	13.4
80	9.7	9.2	13.8

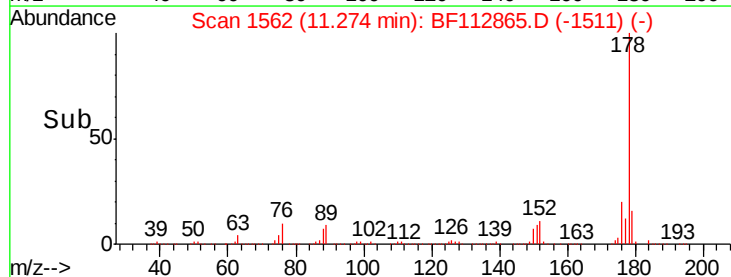
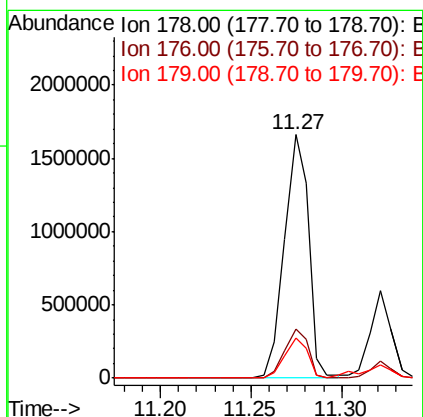
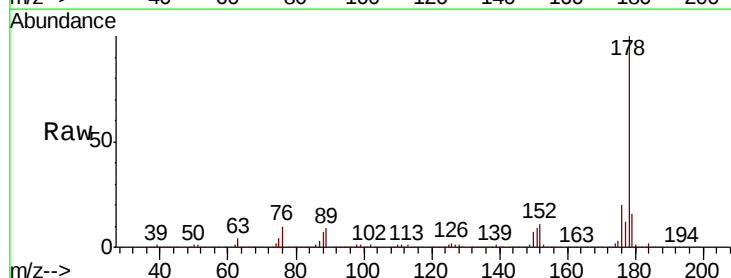
Manual Integrations
APPROVED

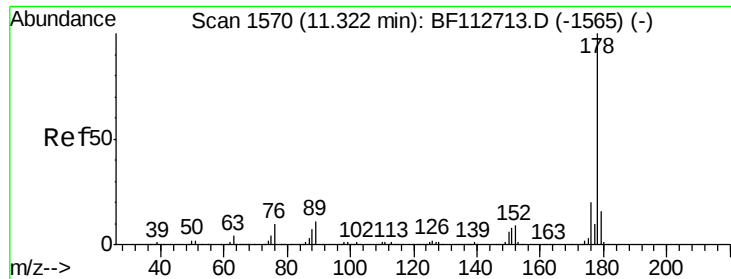
Sohil
3/6/2019 12:24:37 PM



#71
Phenanthrene
Concen: 25.503 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.3	24.5
179	16.3	12.7	19.1





#72

Anthracene

Concen: 7.484 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF112865.D

Acq: 5 Mar 2019 21:17

Instrument :

BNA_F

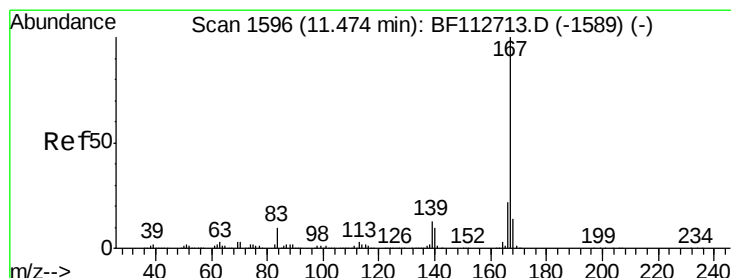
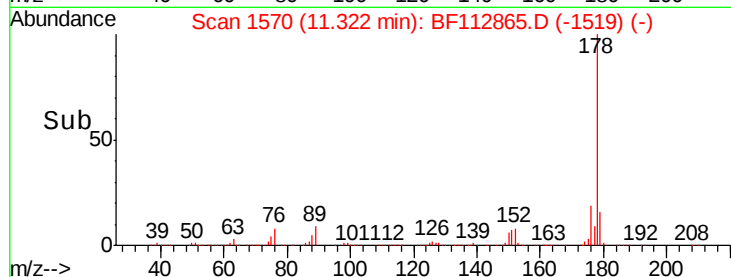
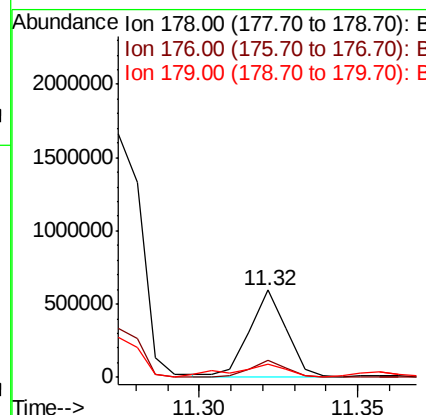
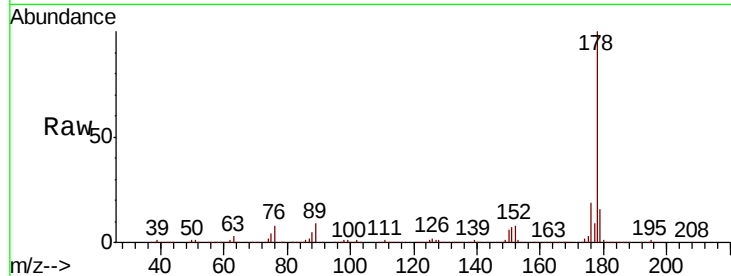
ClientSampleId :

EXT-027-SW012-022719

Tot Ion:	178	Resp:	474418
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.7	13.0	19.6

Manual Integrations
APPROVED

Sohil
3/6/2019 12:24:37 PM



#73

Carbazole

Concen: 2.423 ng

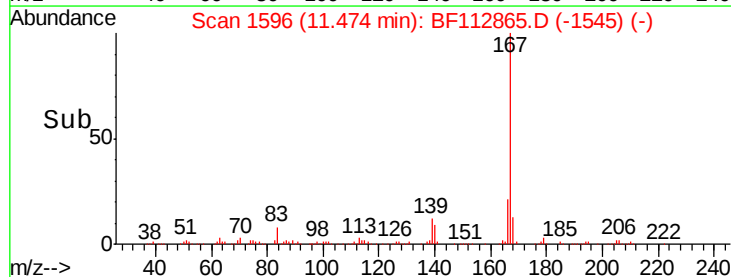
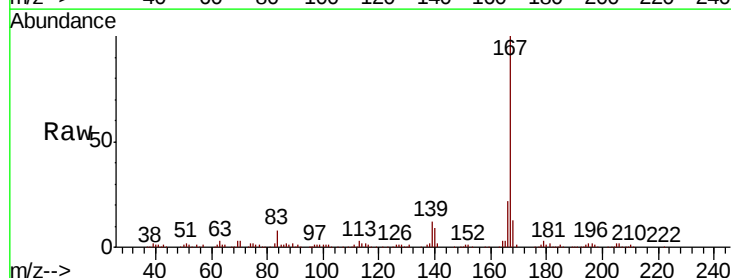
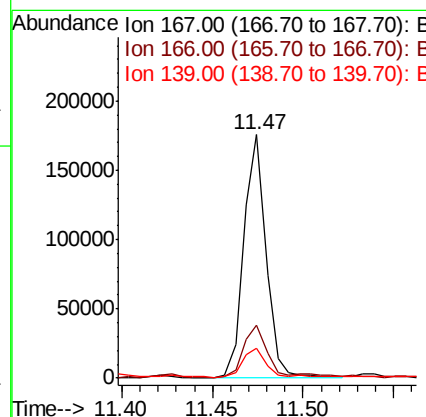
RT: 11.47 min Scan# 1596

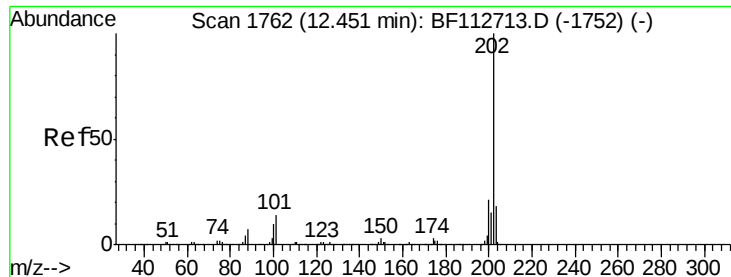
Delta R.T. 0.00 min

Lab File: BF112865.D

Acq: 5 Mar 2019 21:17

Tgt Ion:	167	Resp:	149810
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	12.3	10.8	16.2





#75

Fluoranthene

Concen: 22.980 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112865.D

Acq: 5 Mar 2019 21:17

Instrument :

BNA_F

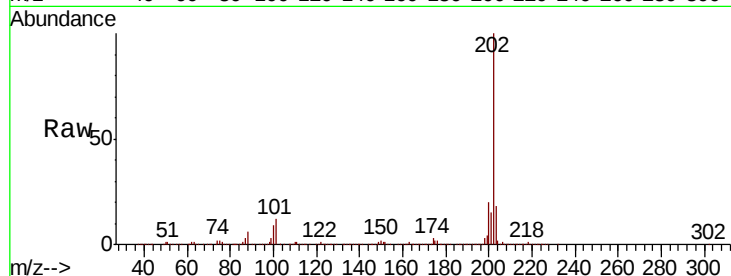
ClientSampleId :

EXT-027-SW012-022719

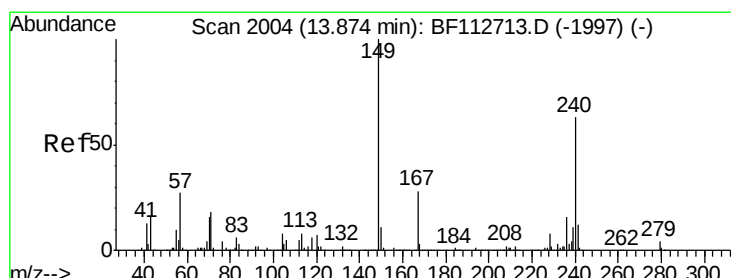
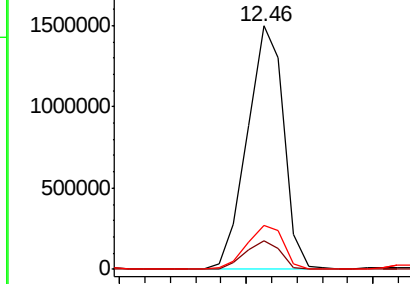
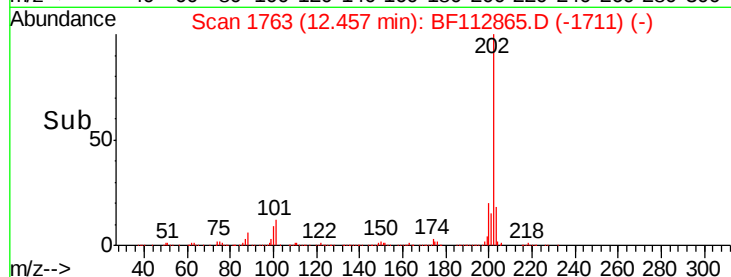
Tot Ion:	202	Resp:	1490937
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	33.8
203	18.1	0.0	38.4

Manual Integrations
APPROVED

Sohil
3/6/2019 12:24:37 PM



Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

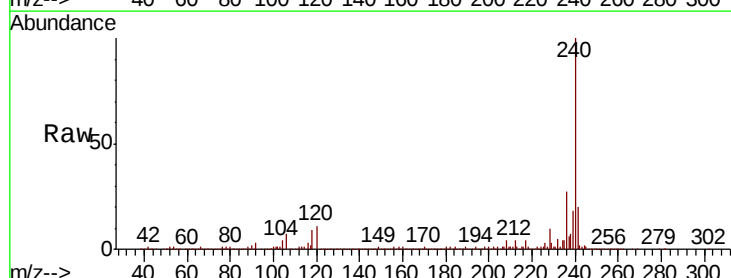
RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

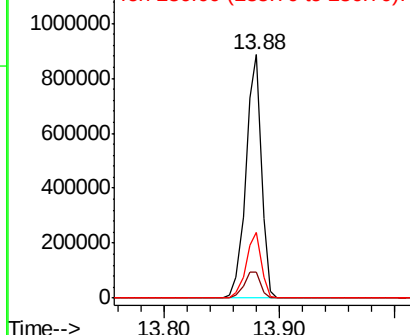
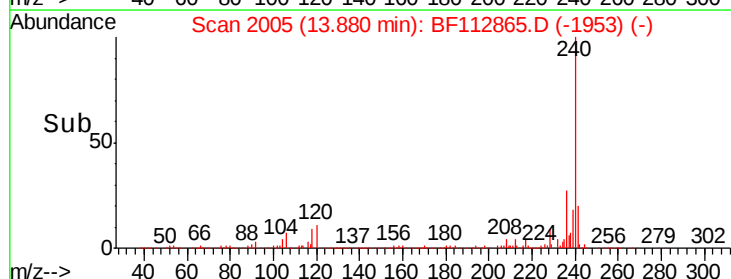
Lab File: BF112865.D

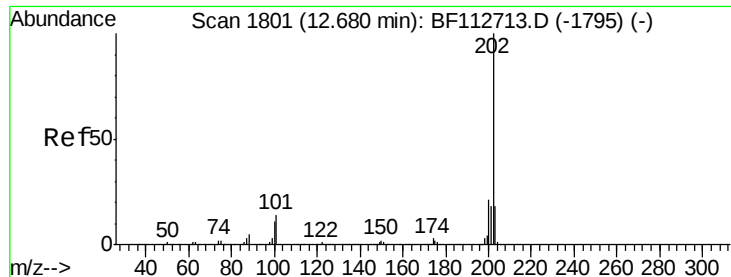
Acq: 5 Mar 2019 21:17

Tgt Ion:	240	Resp:	820334
Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	26.8	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
1200000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 17.869 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF112865.D

Acq: 5 Mar 2019 21:17

Instrument :

BNA_F

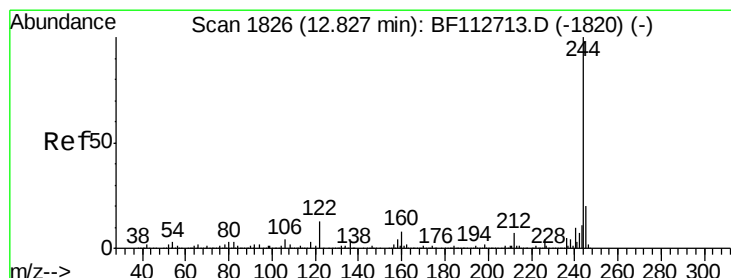
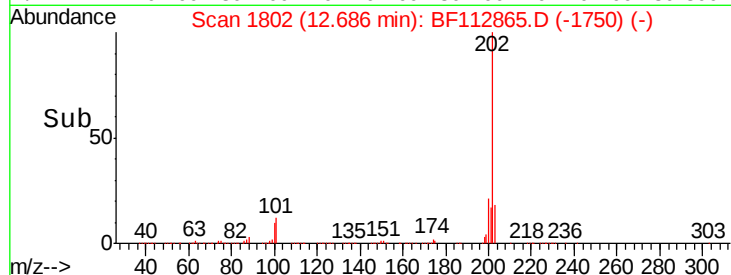
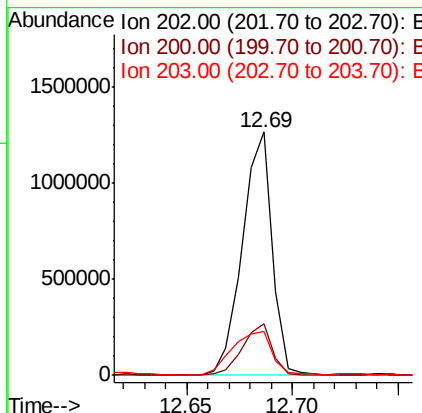
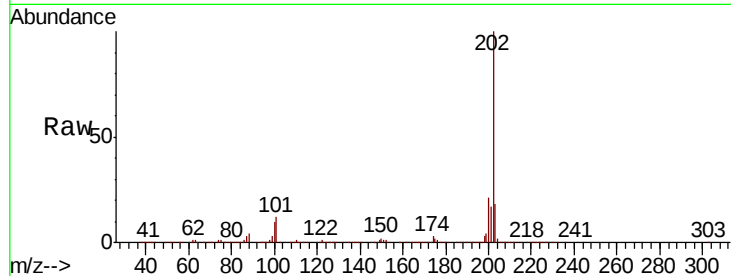
ClientSampleId :

EXT-027-SW012-022719

Tot Ion:	202	Resp:	1235719
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	18.2	14.4	21.6

Manual Integrations
APPROVED

Sohil
3/6/2019 12:24:37 PM



#79

Terphenyl-d14

Concen: 27.103 ng

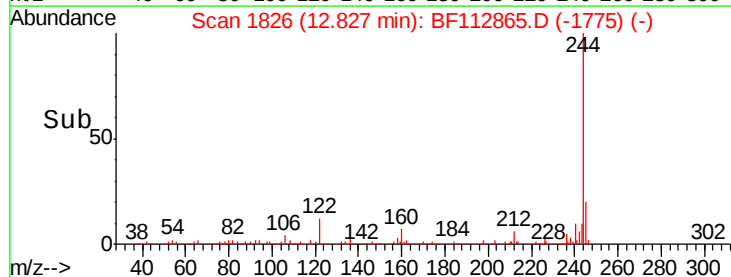
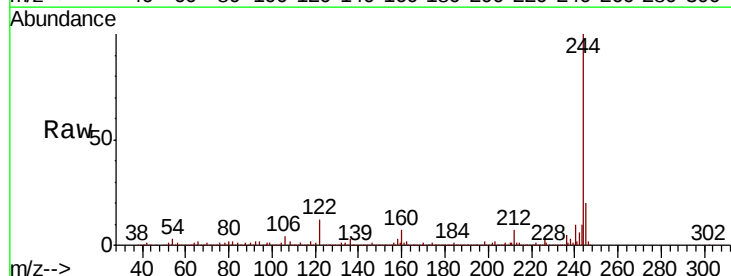
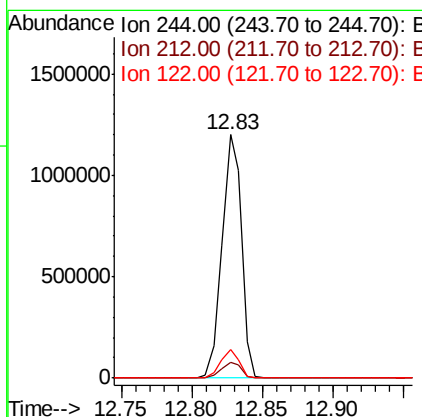
RT: 12.83 min Scan# 1826

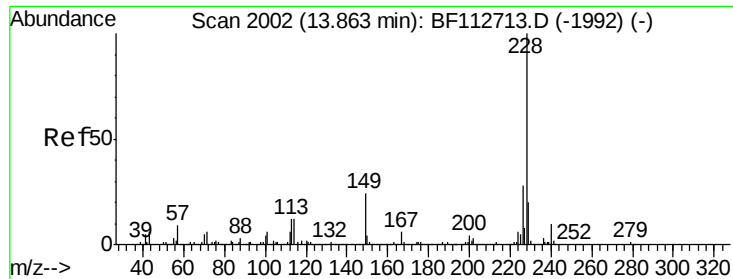
Delta R.T. 0.00 min

Lab File: BF112865.D

Acq: 5 Mar 2019 21:17

Tgt Ion:	244	Resp:	1146936
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.8	10.5	15.7





#81

Benzo(a)anthracene

Concen: 11.699 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BF112865.D

Acq: 5 Mar 2019 21:17

Instrument :

BNA_F

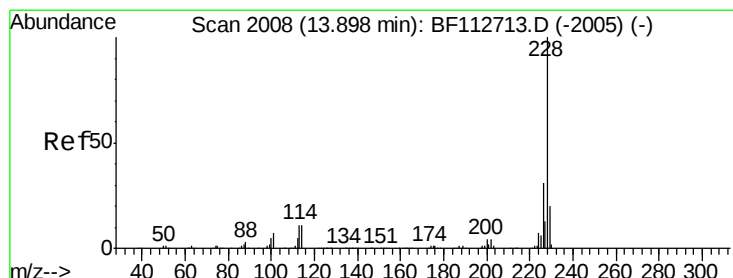
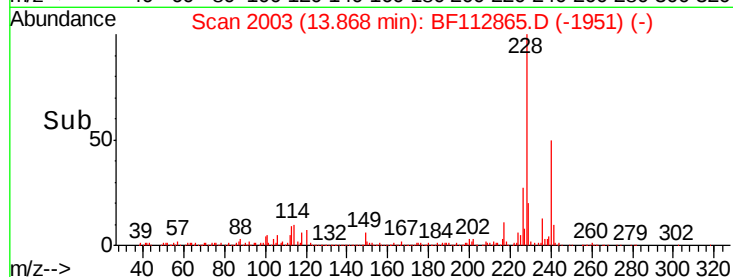
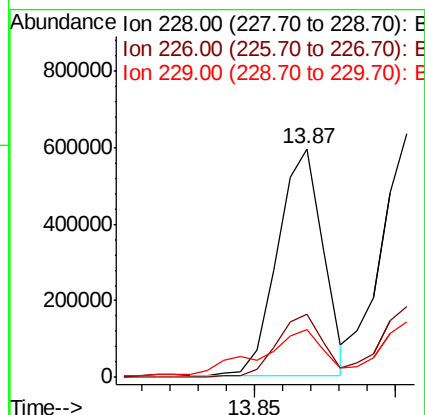
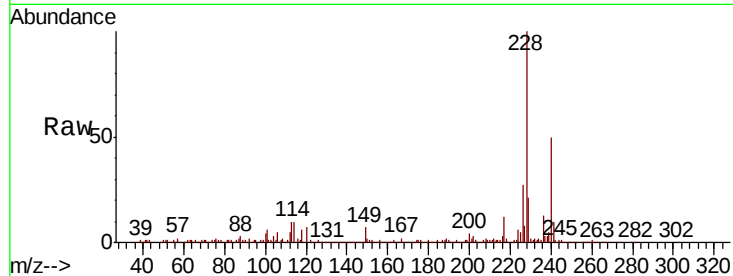
ClientSampleId :

EXT-027-SW012-022719

Tot Ion:	228	Resp:	665127
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.2	33.4
229	20.6	16.0	24.0

Manual Integrations
APPROVED

Sohil
3/6/2019 12:24:37 PM



#83

Chrysene

Concen: 10.623 ng

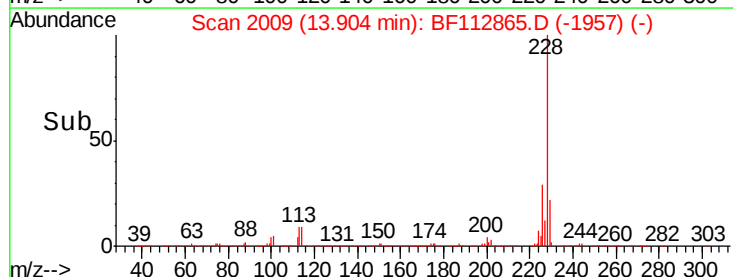
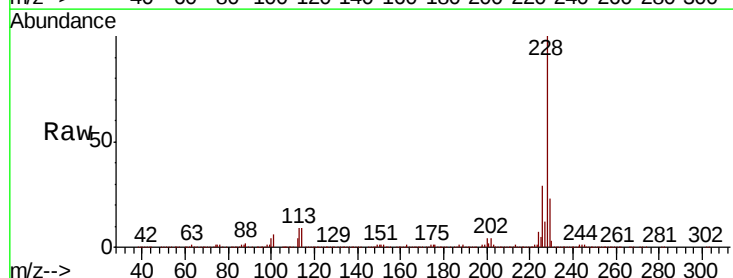
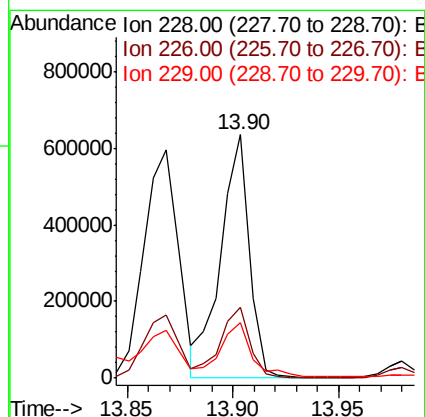
RT: 13.90 min Scan# 2009

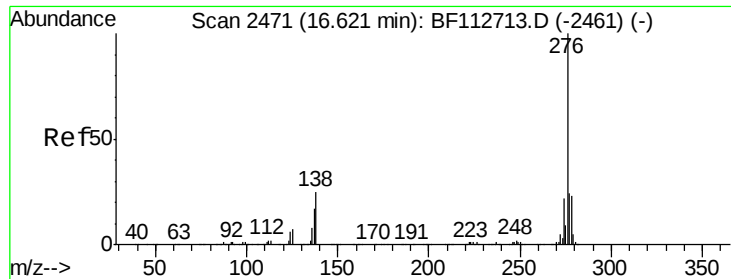
Delta R.T. 0.01 min

Lab File: BF112865.D

Acq: 5 Mar 2019 21:17

Tgt Ion:	228	Resp:	591596
Ion Ratio	Lower	Upper	
228	100		
226	28.9	24.9	37.3
229	22.7	16.3	24.5





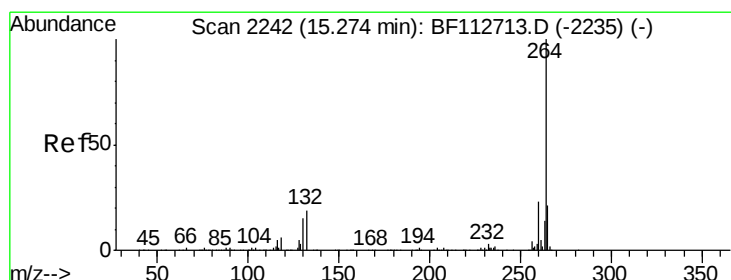
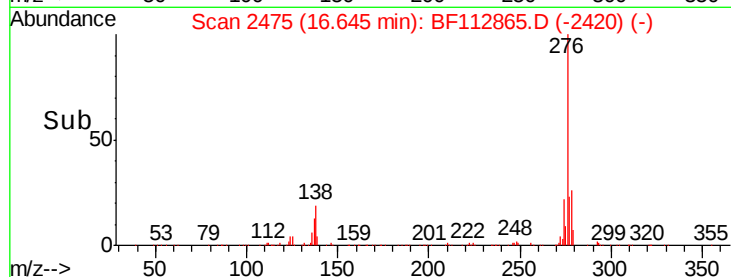
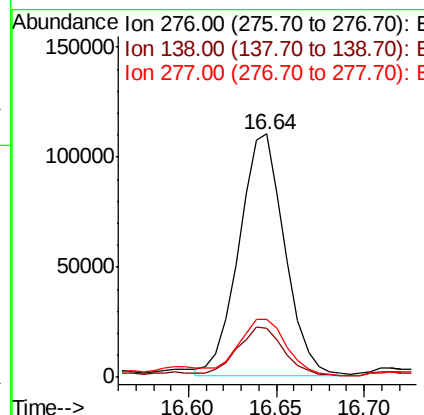
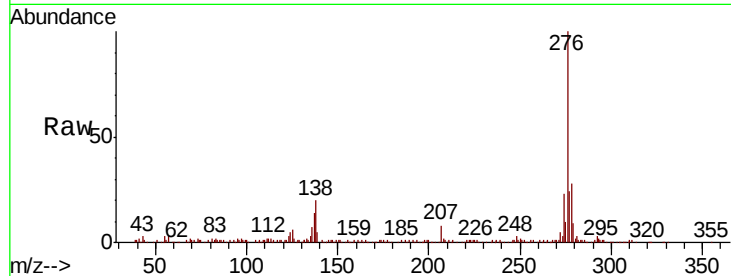
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.200 ng
 RT: 16.64 min Scan# 2475
 Delta R.T. 0.02 min
 Lab File: BF112865.D
 Acq: 5 Mar 2019 21:17

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW012-022719

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.3	23.2	34.8#
277	5.7	19.9	29.9#

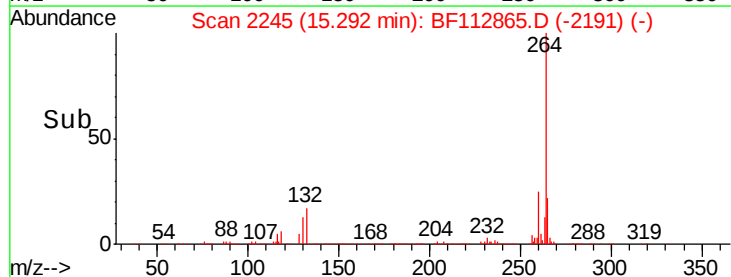
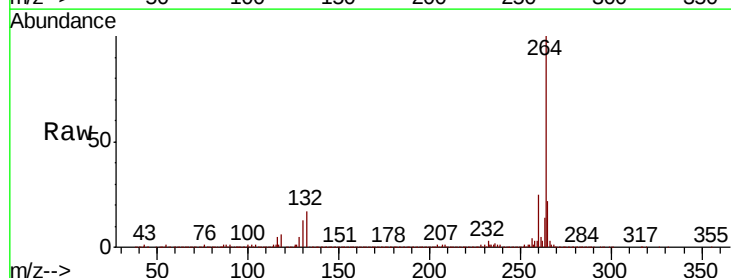
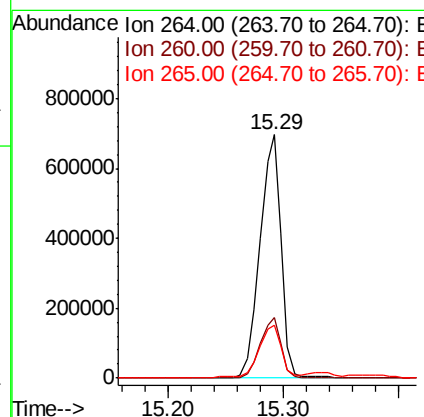
Manual Integrations
 APPROVED

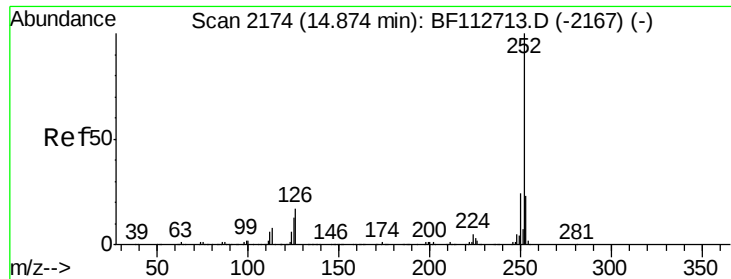
Sohil
 3/6/2019 12:24:37 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. 0.02 min
 Lab File: BF112865.D
 Acq: 5 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.7	28.1
265	21.9	17.2	25.8





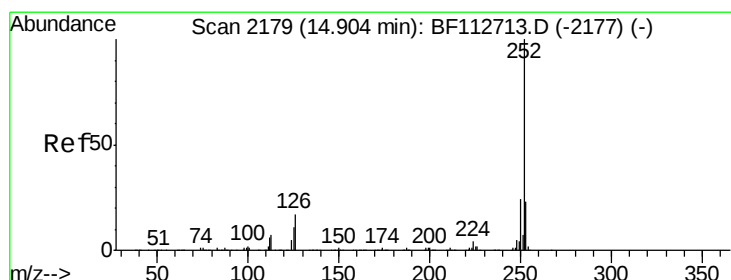
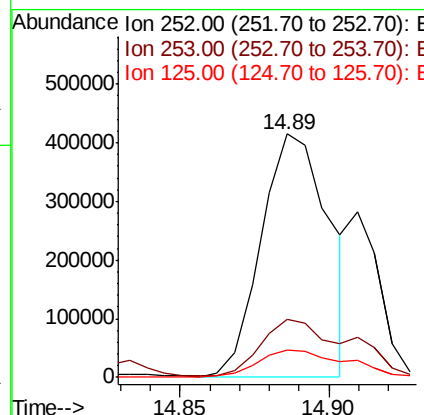
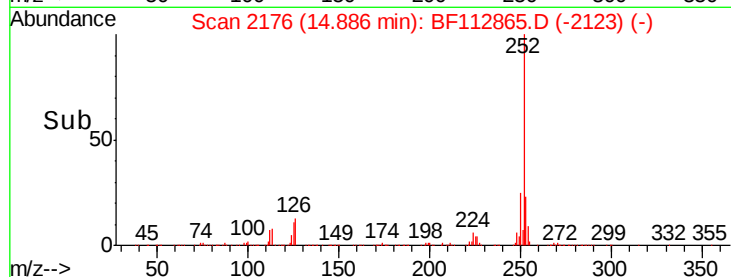
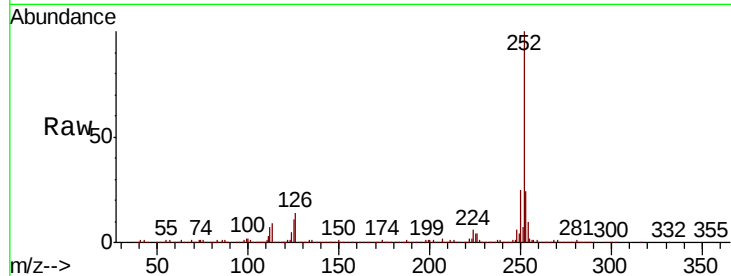
#88
Benzo(b)fluoranthene
Concen: 11.443 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	11.3	10.2	15.2

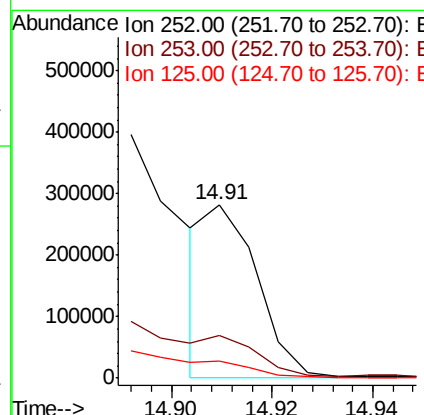
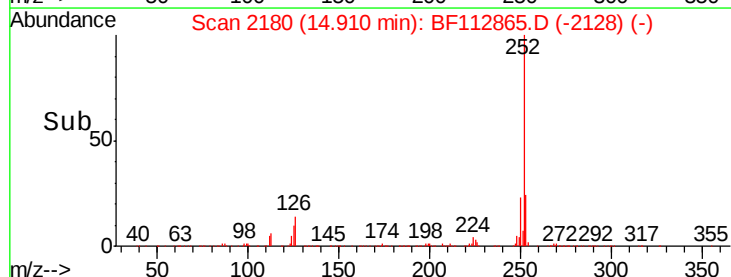
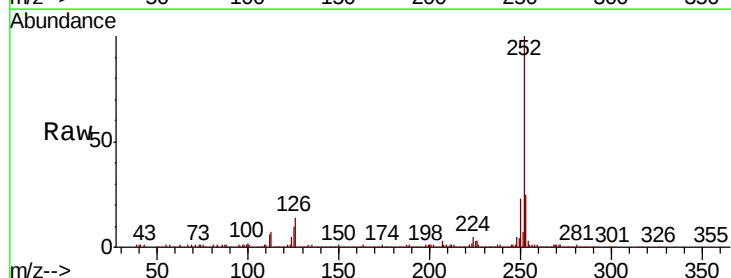
Manual Integrations
APPROVED

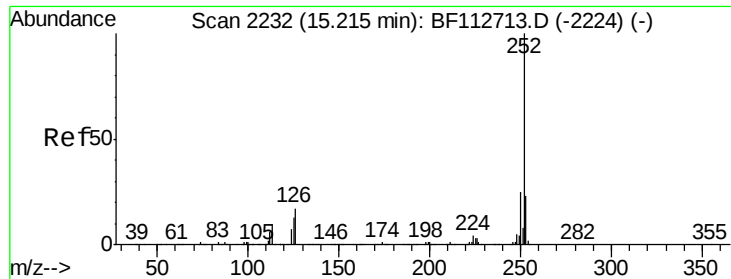
Sohil
3/6/2019 12:24:37 PM



#89
Benzo(k)fluoranthene
Concen: 3.836 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	10.0	9.8	14.6





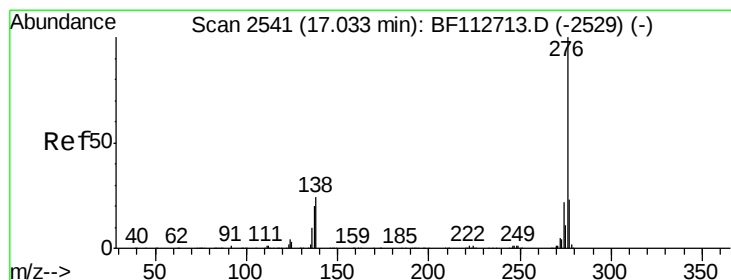
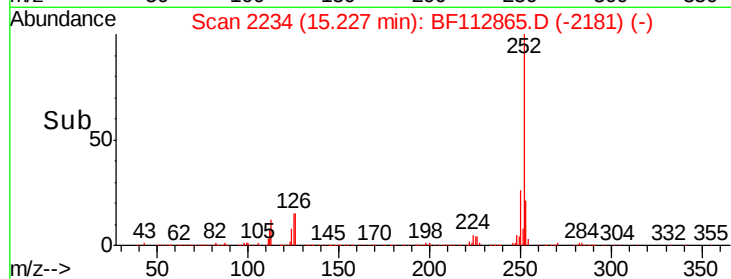
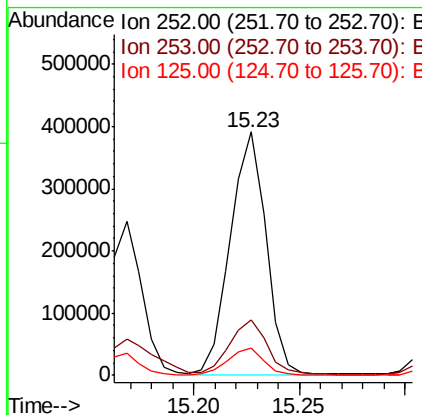
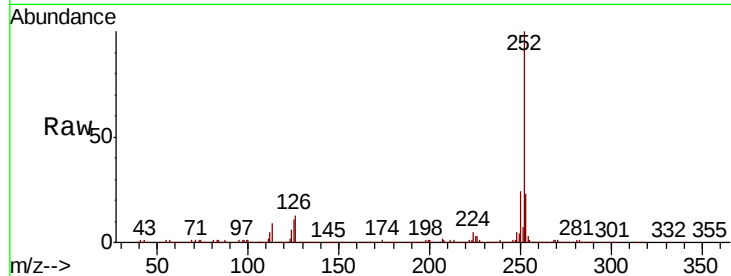
#90
Benzo(a)pyrene
Concen: 8.928 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW012-022719

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.0	10.7	16.1

Manual Integrations
APPROVED

Sohil
3/6/2019 12:24:37 PM



#92
Benzo(g,h,i)perylene
Concen: 3.449 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF112865.D
Acq: 5 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	27.8
138	20.1	19.4	29.0

