

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112740.D
 Acq On : 28 Feb 2019 1:13
 Operator : JU/SJ
 Sample : K1595-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B11

Manual Integrations
 APPROVED

Sohil
 2/28/2019 12:47:28 PM

Quant Time: Feb 28 04:15:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	209590	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	763858	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	322313	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	628790	20.00	ng	0.00
76) Chrysene-d12	13.88	240	503398	20.00	ng	0.00
87) Perylene-d12	15.29	264	388979	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1197078	88.85	ng	0.00
7) Phenol-d6	6.37	99	1533499	90.60	ng	0.00
23) Nitrobenzene-d5	7.30	82	882628	69.14	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	342331	100.05	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1280310	65.08	ng	0.00
79) Terphenyl-d14	12.83	244	1284750	49.47	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.39	94	64708	3.276	ng	88
50) Dimethylphthalate	9.49	163	116325	4.895	ng	99
52) Acenaphthene	9.80	154	45316	2.224	ng	97
55) Dibenzofuran	9.97	168	62703	2.117	ng	97
58) Fluorene	10.32	166	64370	3.062	ng	98
71) Phenanthrene	11.27	178	1608797	51.424	ng	99
72) Anthracene	11.32	178	422096	12.889	ng	98
73) Carbazole	11.47	167	223811	7.006	ng	98
75) Fluoranthene	12.46	202	2129668	63.538	ng	97
78) Pyrene	12.69	202	1963243	46.262	ng	99
81) Benzo(a)anthracene	13.87	228	969740	27.795	ng	98
83) Chrysene	13.90	228	921898	26.976	ng	97
84) Bis(2-ethylhexyl)phthalate	13.87	149	55723	2.536	ng	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	319825m	10.977	ng	
88) Benzo(b)fluoranthene	14.89	252	896772m	35.642	ng	
89) Benzo(k)fluoranthene	14.91	252	267821m	11.752	ng	
90) Benzo(a)pyrene	15.23	252	550387	24.731	ng	99
91) Dibenzo(a,h)anthracene	16.65	278	86935m	4.578	ng	
92) Benzo(a,h,i)perylene	17.04	276	300093	15.737	ng	98

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

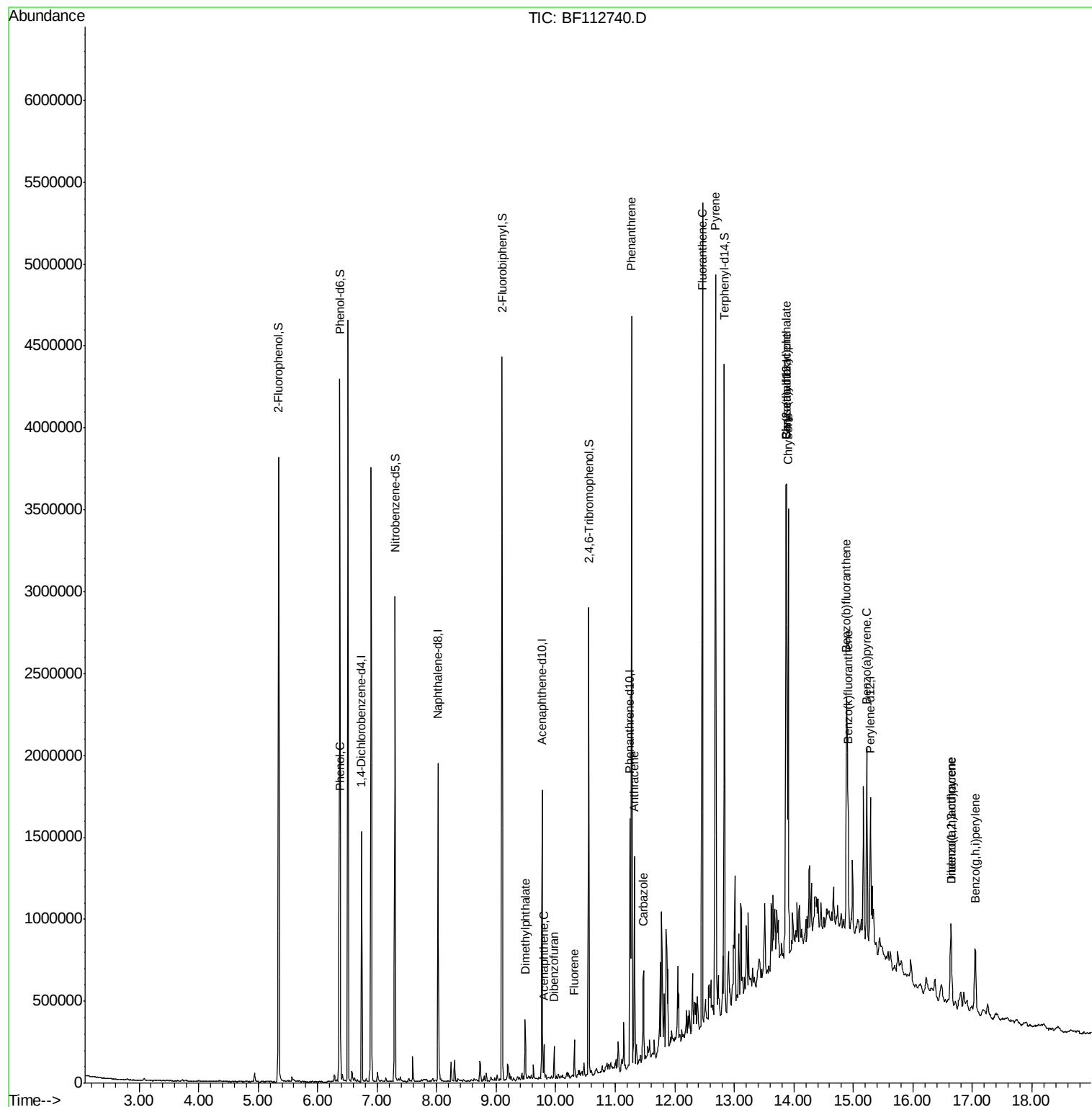
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
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ALS Vial : 23 Sample Multiplier: 1

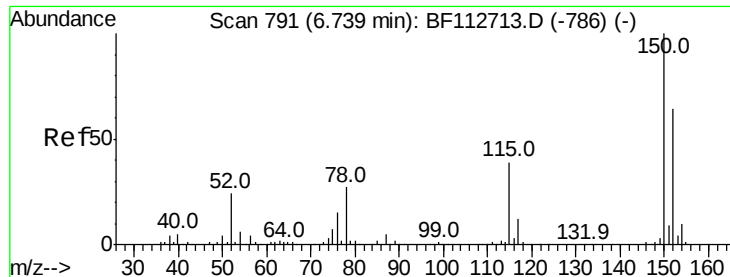
Instrument :
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#1

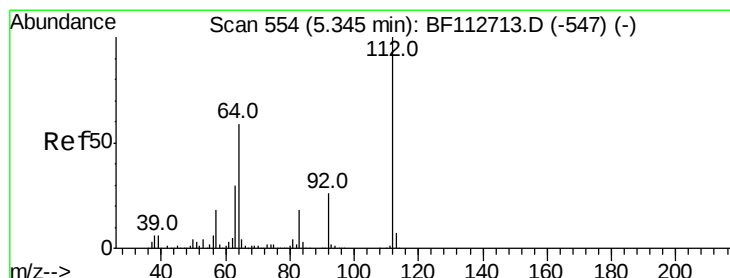
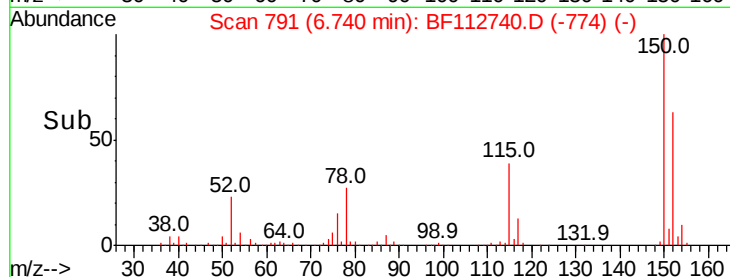
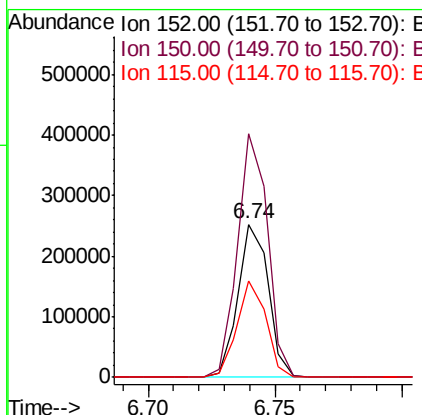
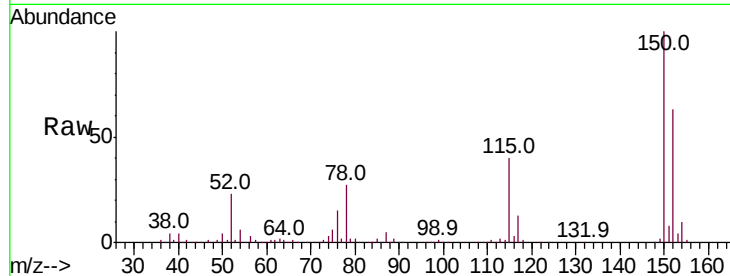
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

Instrument :
BNA_F
ClientSampled :
TP-CBF-B11

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.2	186.2
115	62.8	48.2	72.4

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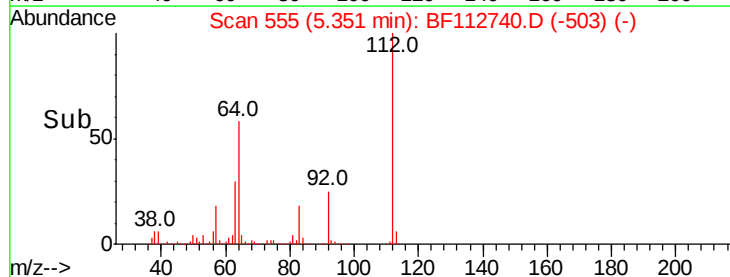
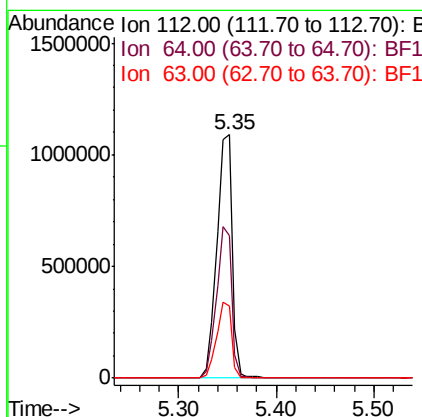
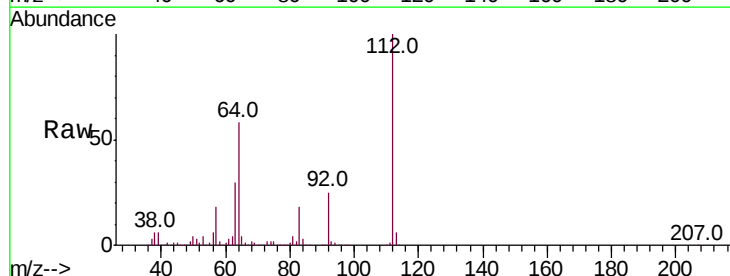
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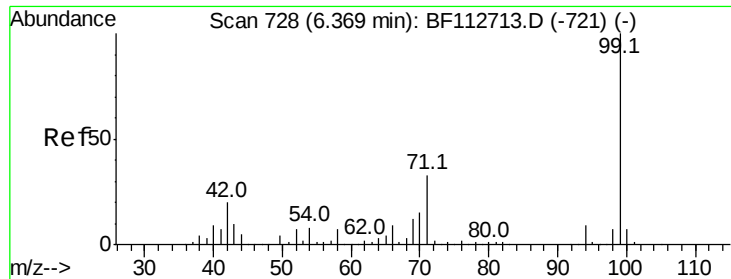


#5

2-Fluorophenol
Concen: 88.845 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.6	71.4
63	29.6	24.4	36.6





#7

Phenol-d6

Concen: 90.604 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112740.D

Acq: 28 Feb 2019 1:13

Instrument :

BNA_F

ClientSampleId :

TP-CBF-B11

Tot Ion: 99 Resp: 1533499

Ion Ratio Lower Upper

99 100

42 19.8 16.3 24.5

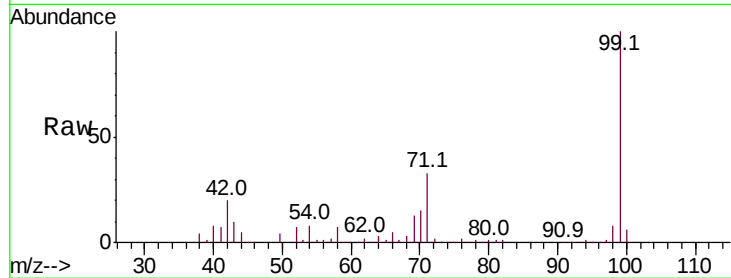
71 32.8 26.2 39.4

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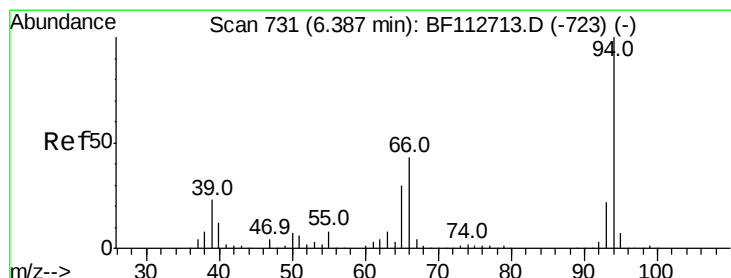
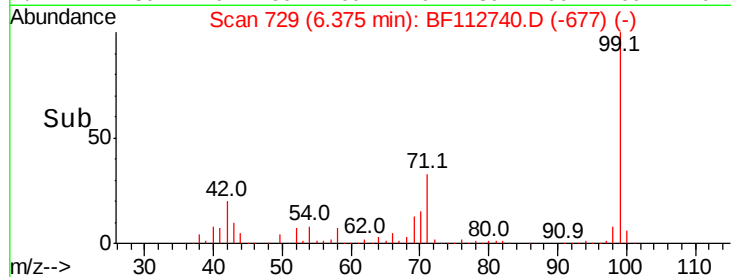
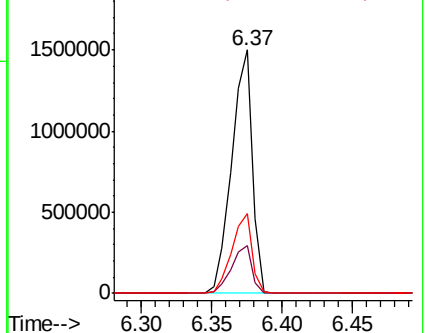
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.276 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF112740.D

Acq: 28 Feb 2019 1:13

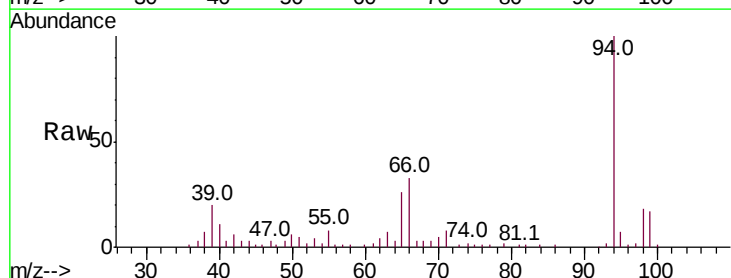
Tgt Ion: 94 Resp: 64708

Ion Ratio Lower Upper

94 100

65 25.8 10.5 50.5

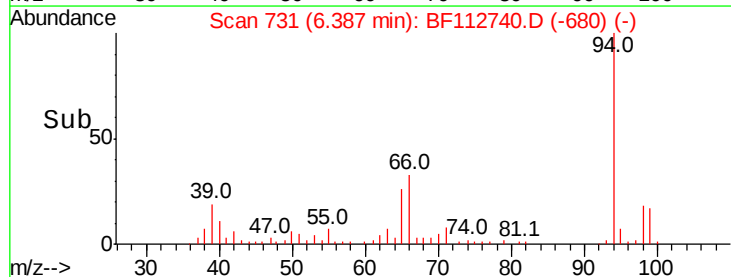
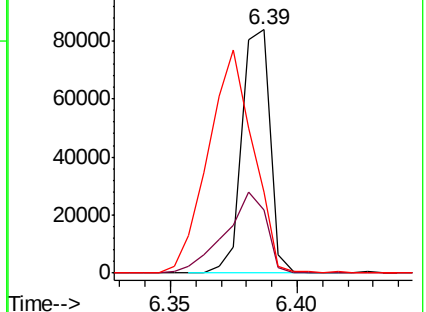
66 33.3 22.6 62.6

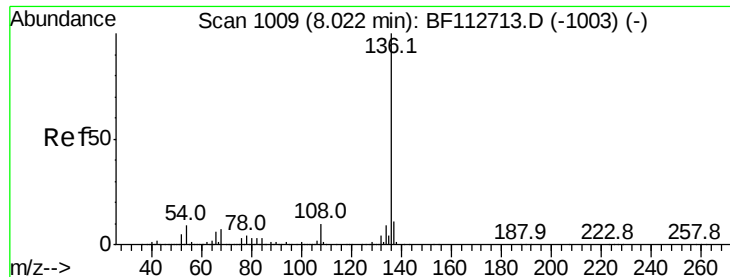


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112740.D

Acq: 28 Feb 2019 1:13

Instrument :

BNA_F

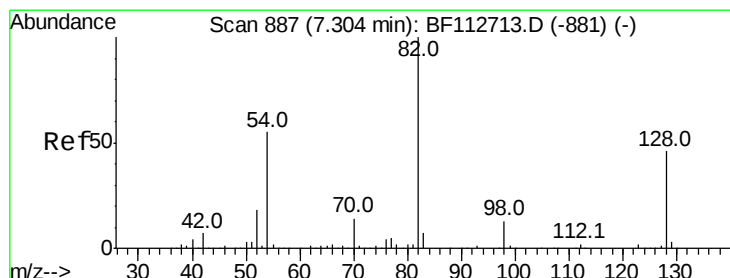
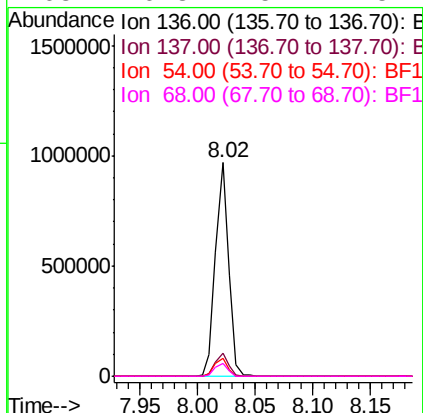
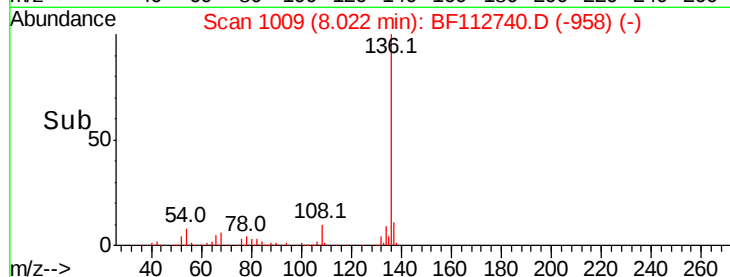
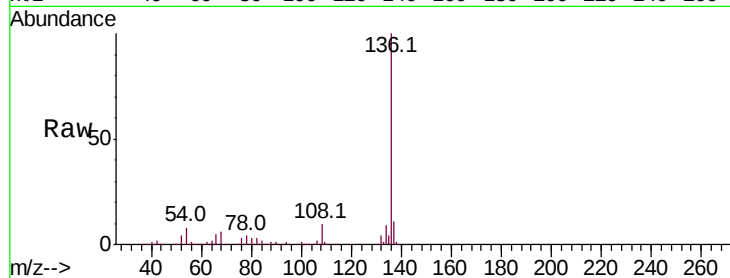
ClientSampled :

TP-CBF-B11

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.3	7.3	10.9
68	6.3	5.4	8.2

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#23

Nitrobenzene-d5

Concen: 69.142 ng

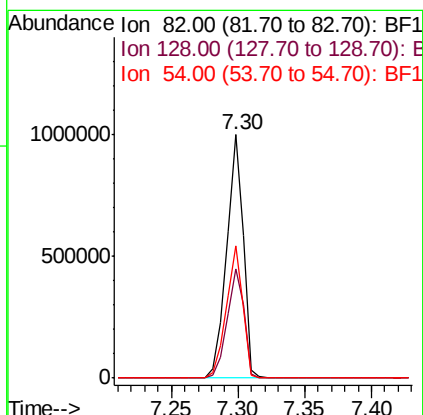
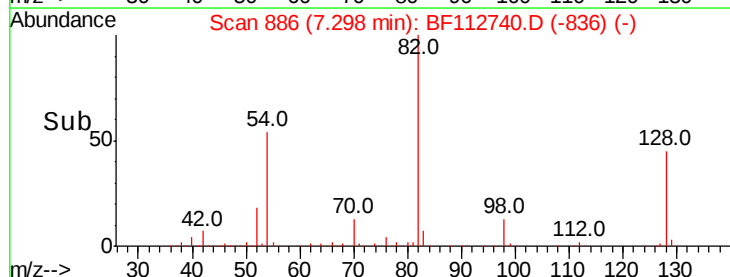
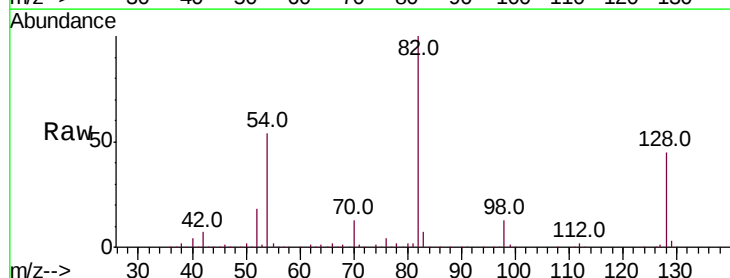
RT: 7.30 min Scan# 886

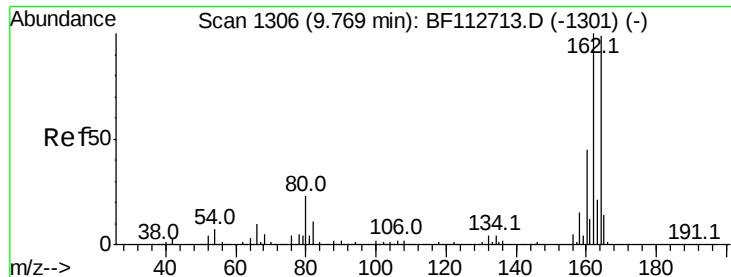
Delta R.T. -0.01 min

Lab File: BF112740.D

Acq: 28 Feb 2019 1:13

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.7	36.3	54.5
54	54.4	43.7	65.5





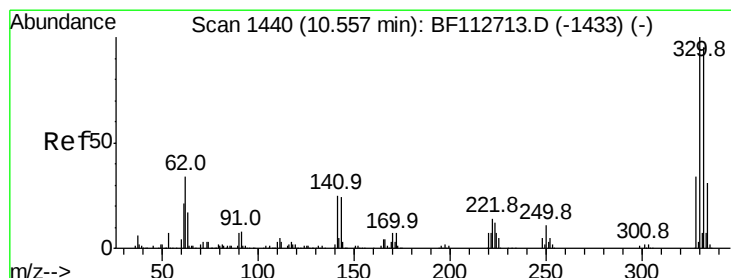
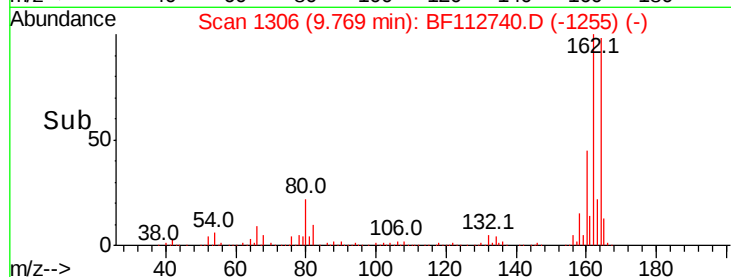
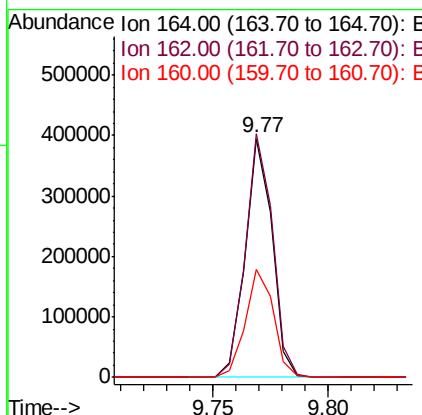
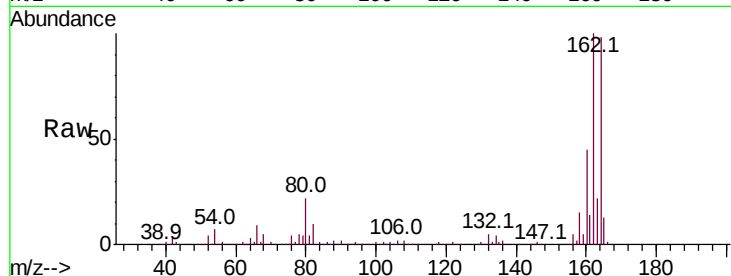
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF112740.D
 Acq: 28 Feb 2019 1:13

Instrument :
 BNA_F
 ClientSampled :
 TP-CBF-B11

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	120.8
160	45.4	36.0	54.0

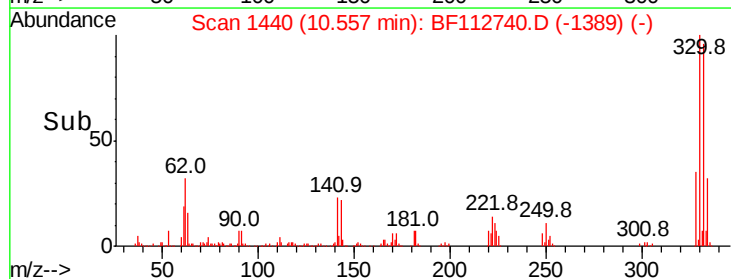
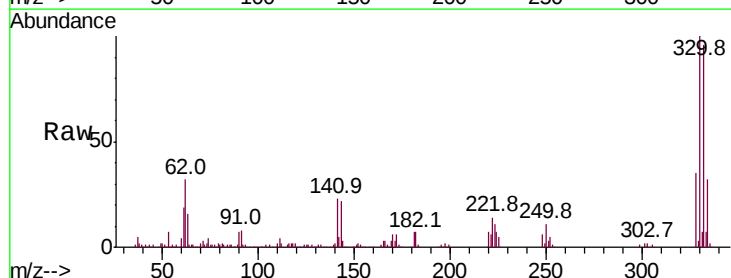
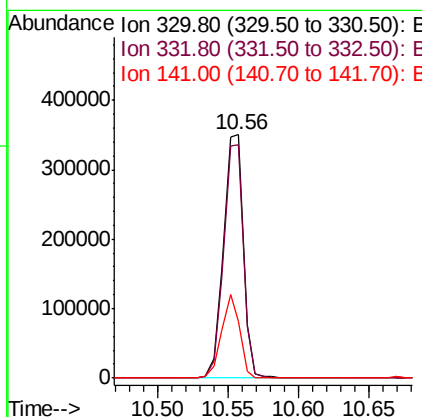
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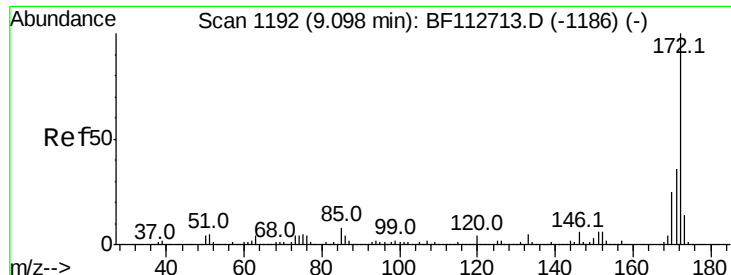
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#42
 2,4,6-Tribromophenol
 Concen: 100.045 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112740.D
 Acq: 28 Feb 2019 1:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.2	114.4
141	31.0	27.0	40.6





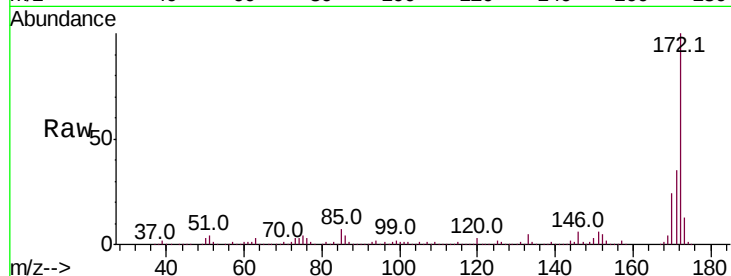
#45
2-Fluorobiphenyl
Concen: 65.079 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

Instrument :
BNA_F
ClientSampleId :
TP-CBF-B11

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.4
170	24.5	20.0	30.0

Manual Integrations
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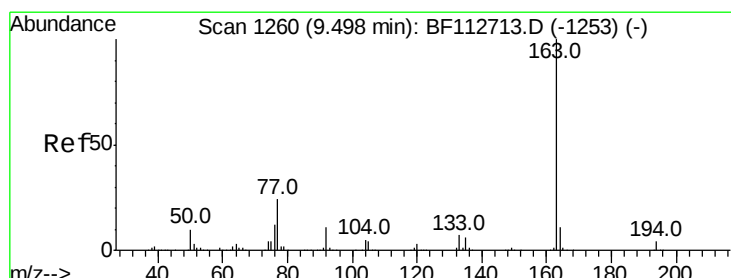
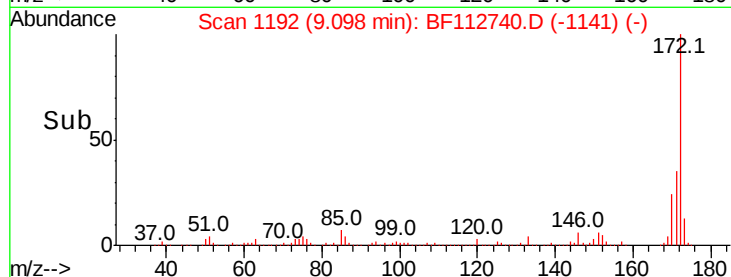
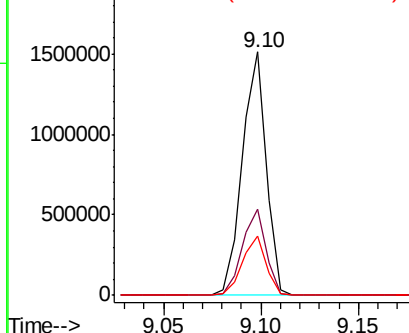


Abundance

Ion 172.00 (171.70 to 172.70): E

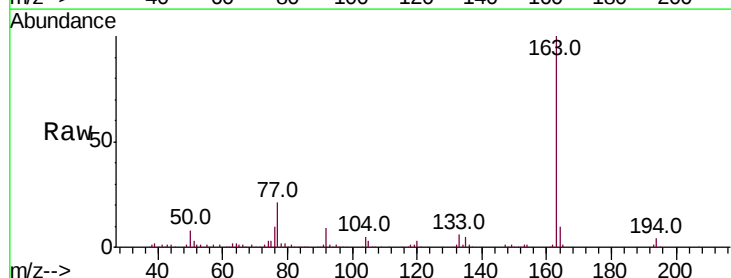
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.895 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.9	8.4	12.6

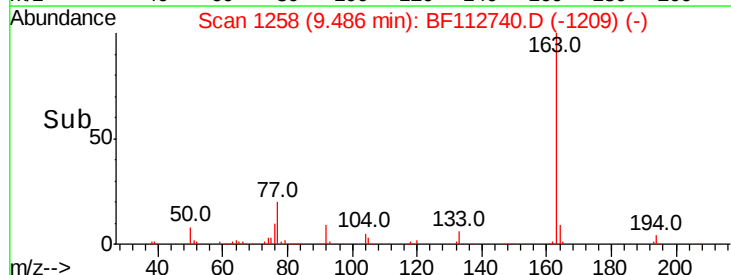
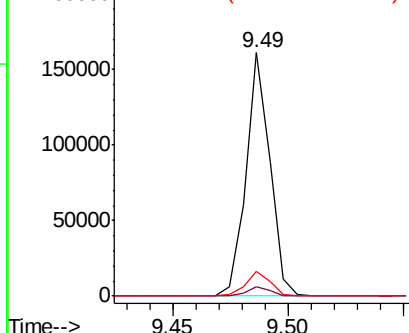


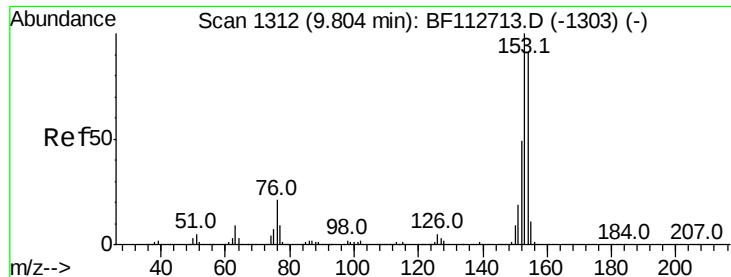
Abundance

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: 2.224 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF112740.D

Acq: 28 Feb 2019 1:13

Instrument :

BNA_F

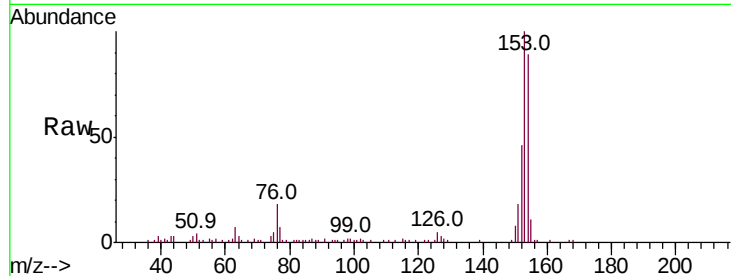
ClientSampleId :

TP-CBF-B11

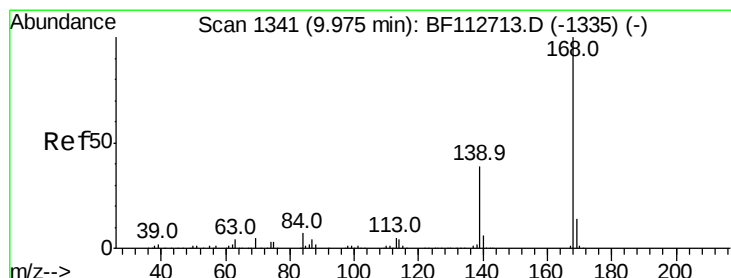
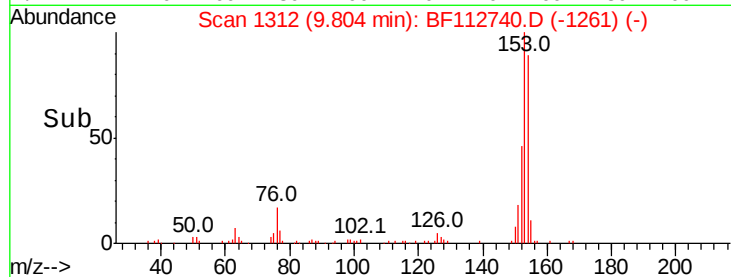
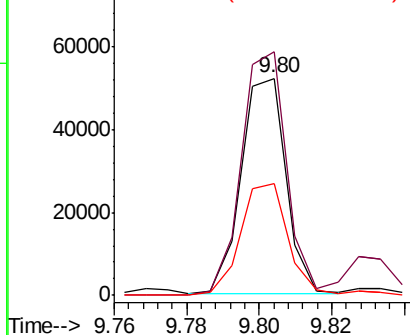
Tot Ion:	154	Resp:	45316
Ion Ratio	Lower	Upper	
154	100		
153	112.3	87.8	131.8
152	51.5	43.0	64.6

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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

Dibenzofuran

Concen: 2.117 ng

RT: 9.97 min Scan# 1341

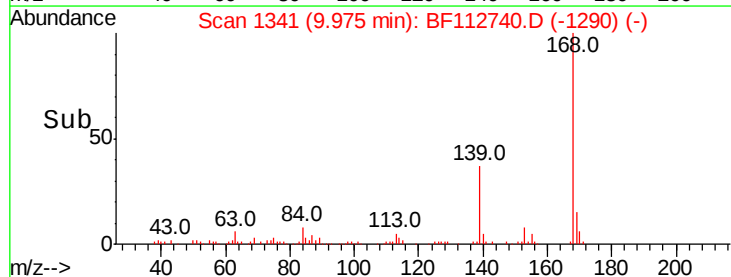
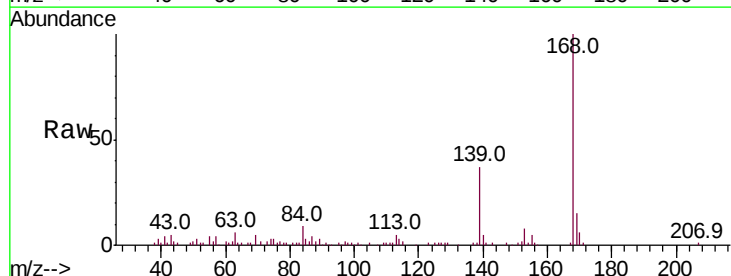
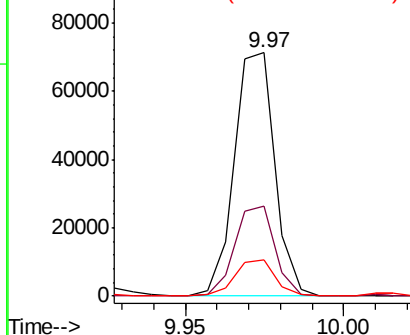
Delta R.T. 0.00 min

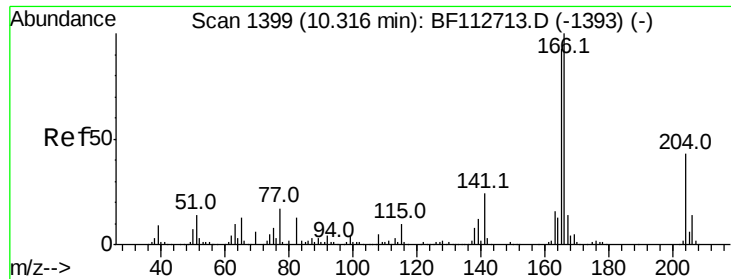
Lab File: BF112740.D

Acq: 28 Feb 2019 1:13

Tgt Ion:	168	Resp:	62703
Ion Ratio	Lower	Upper	
168	100		
139	36.8	31.3	46.9
169	14.7	11.3	16.9

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





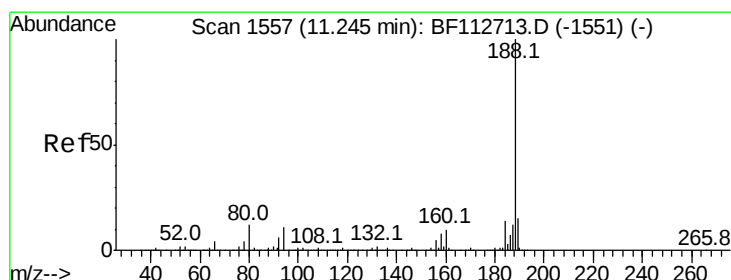
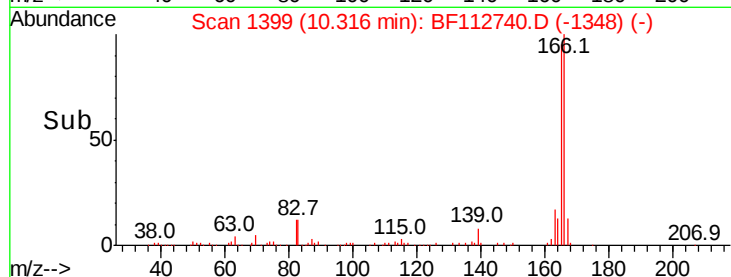
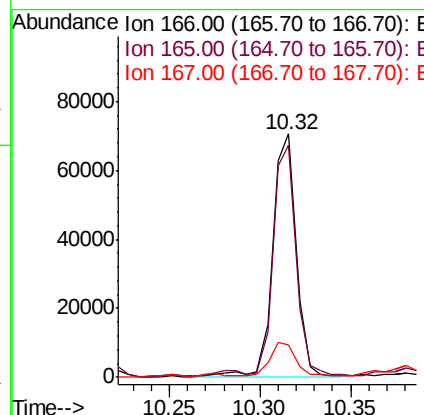
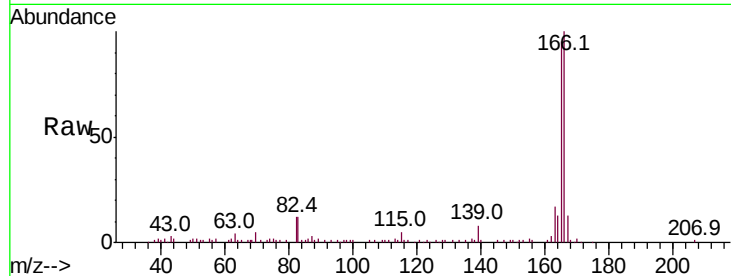
#58
 Fluorene
 Concen: 3.062 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: BF112740.D
 Acq: 28 Feb 2019 1:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B11

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.2	74.7	112.1
167	13.2	11.0	16.6

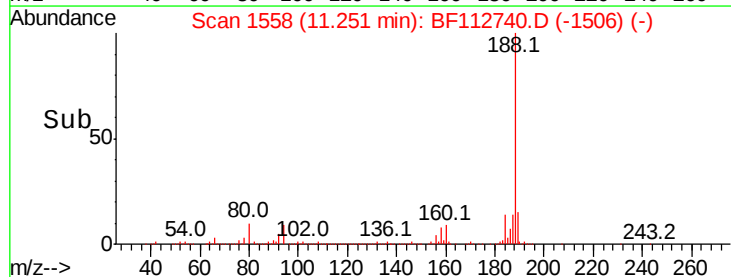
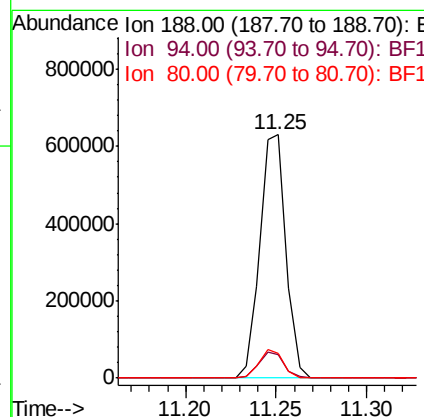
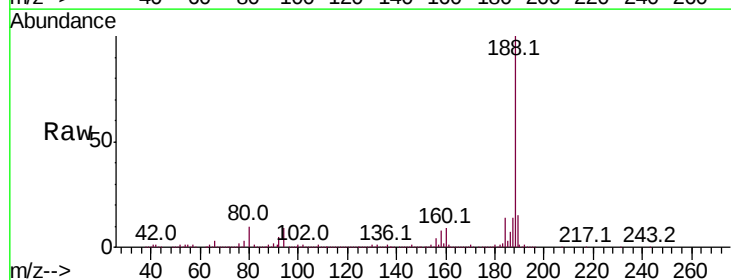
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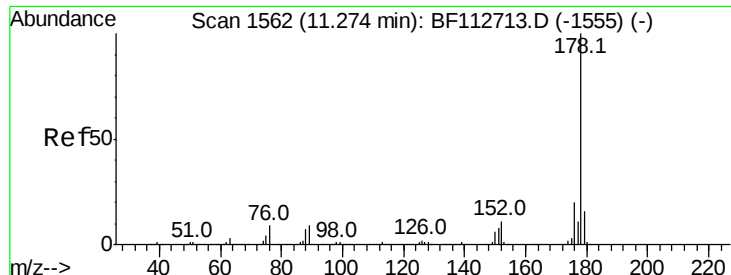
Sohil
 2/28/2019 12:47:28 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF112740.D
 Acq: 28 Feb 2019 1:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.0	13.4
80	9.9	9.2	13.8





#71

Phenanthrene

Concen: 51.424 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF112740.D

Acq: 28 Feb 2019 1:13

Instrument :

BNA_F

ClientSampled :

TP-CBF-B11

Tot Ion:178 Resp: 1608797

Ion Ratio Lower Upper

178 100

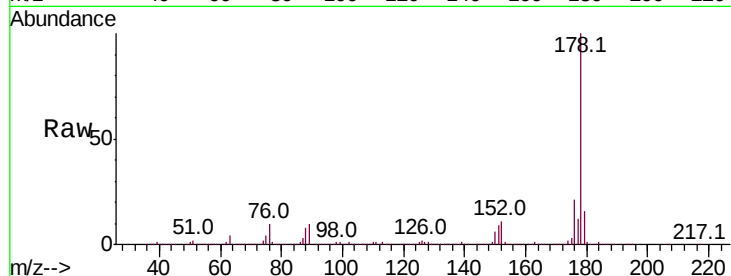
176 20.6 16.3 24.5

179 16.5 12.7 19.1

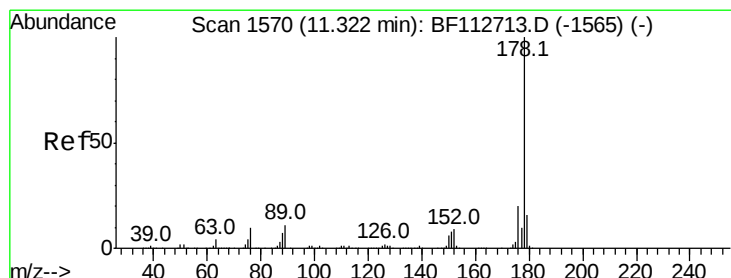
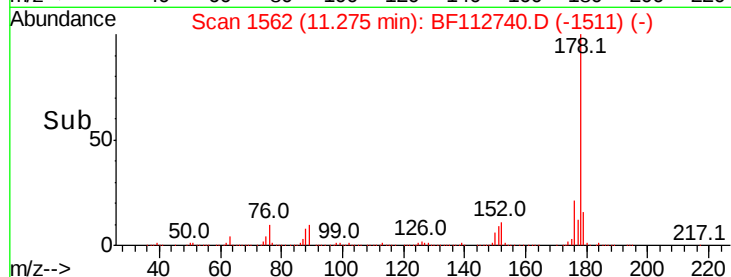
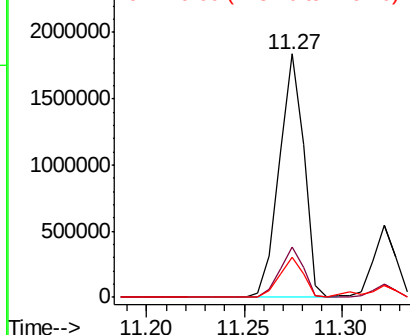
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Abundance Ion 178.00 (177.70 to 178.70): E
2500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 12.889 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF112740.D

Acq: 28 Feb 2019 1:13

Tgt Ion:178 Resp: 422096

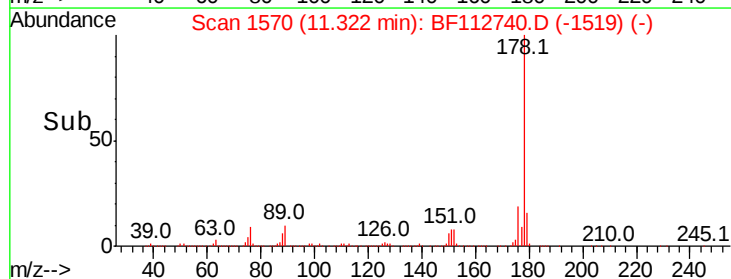
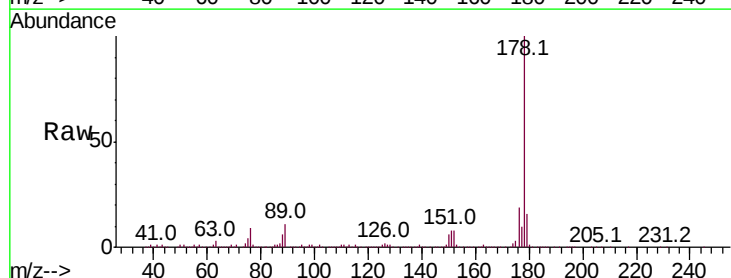
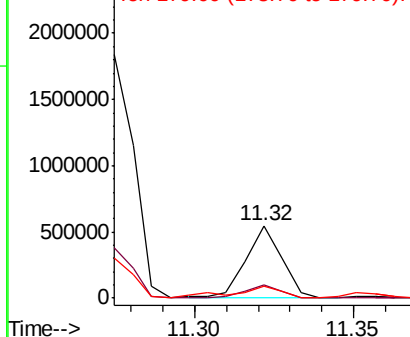
Ion Ratio Lower Upper

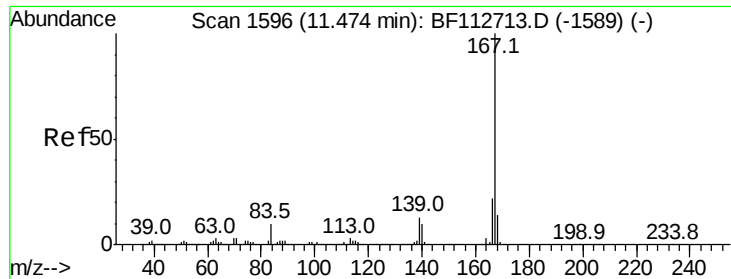
178 100

176 18.6 15.8 23.6

179 15.9 13.0 19.6

Abundance Ion 178.00 (177.70 to 178.70): E
2500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 7.006 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF112740.D

Acq: 28 Feb 2019 1:13

Instrument :

BNA_F

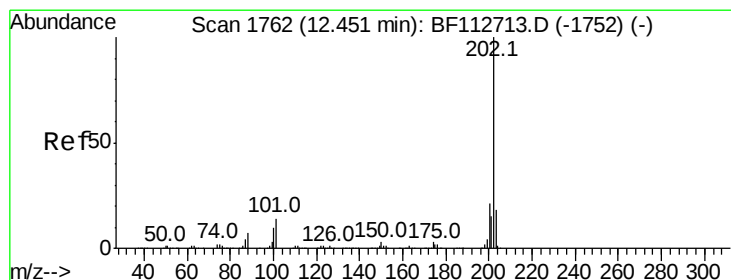
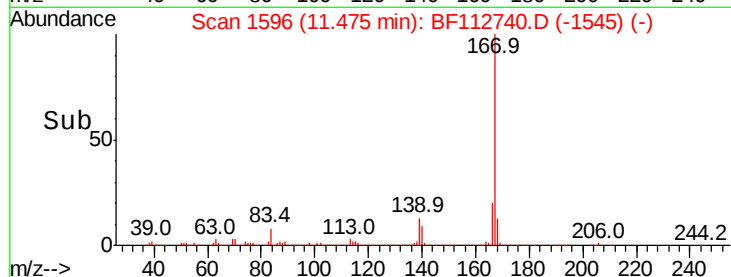
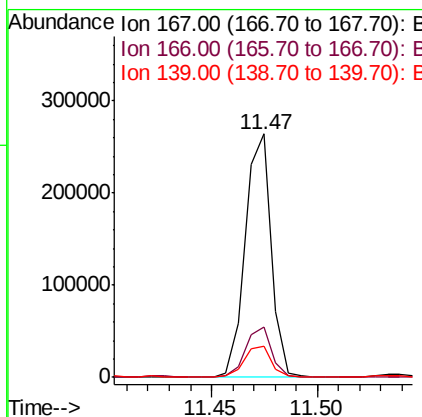
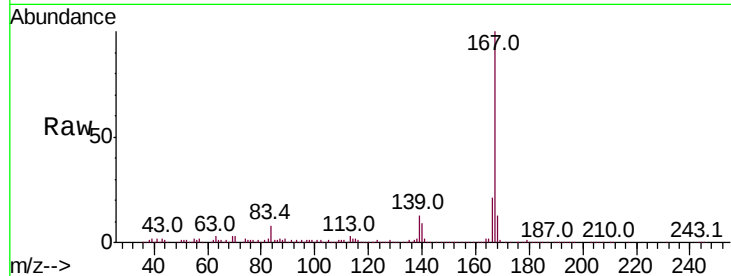
ClientSampleId :

TP-CBF-B11

Tot Ion:	167	Resp:	223811
Ion Ratio	Lower	Upper	
167	100		
166	20.6	17.5	26.3
139	12.8	10.8	16.2

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#75

Fluoranthene

Concen: 63.538 ng

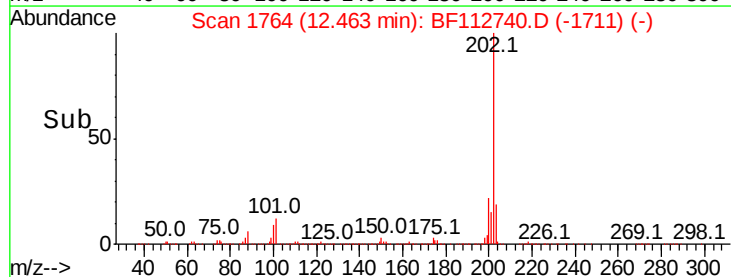
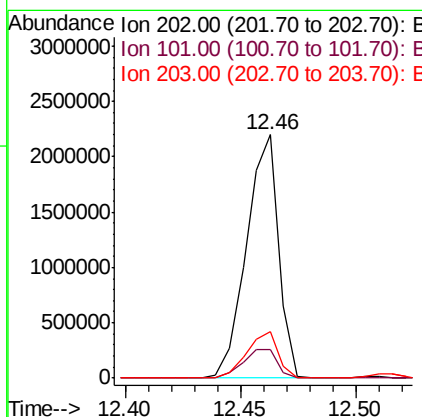
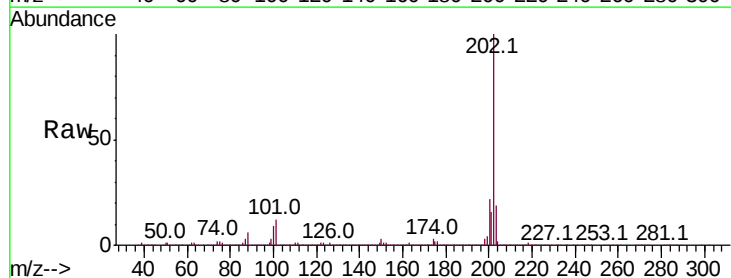
RT: 12.46 min Scan# 1764

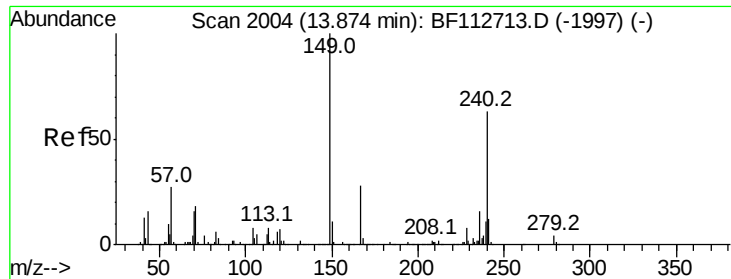
Delta R.T. 0.01 min

Lab File: BF112740.D

Acq: 28 Feb 2019 1:13

Tgt Ion:	202	Resp:	2129668
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	33.8
203	18.9	0.0	38.4





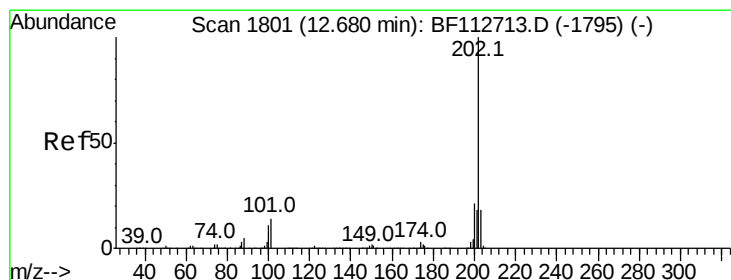
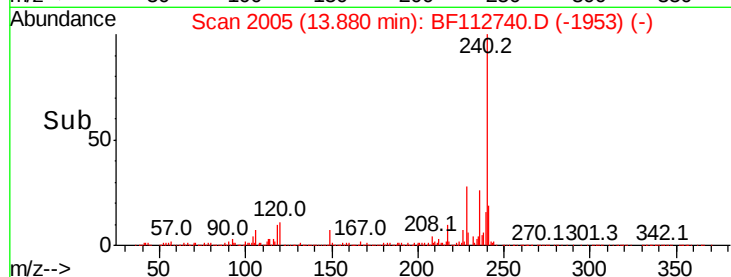
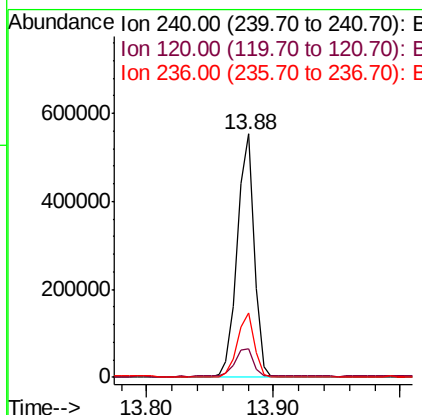
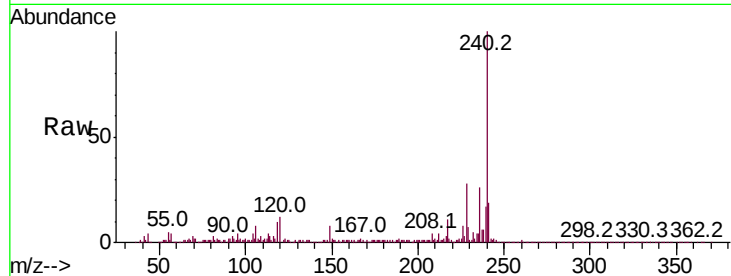
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

Instrument :
BNA_F
ClientSampleId :
TP-CBF-B11

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.6	8.9	13.3
236	26.5	20.7	31.1

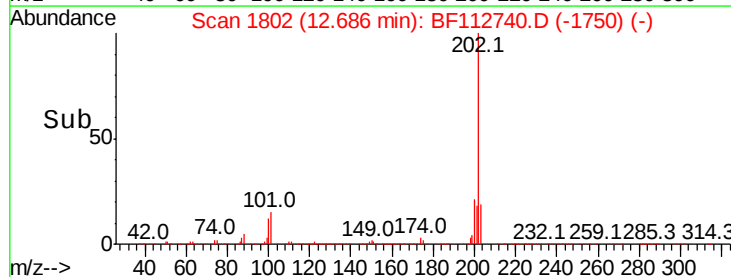
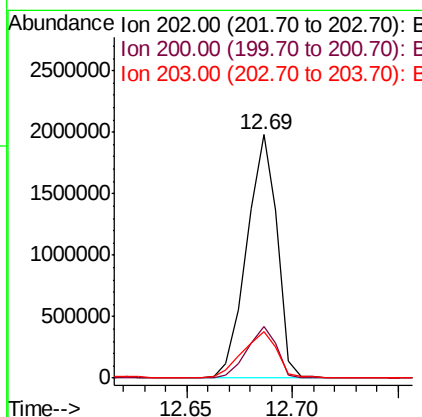
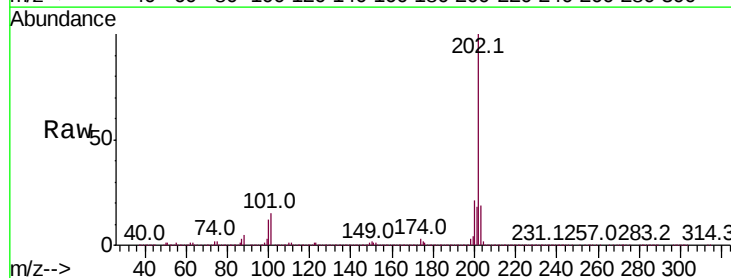
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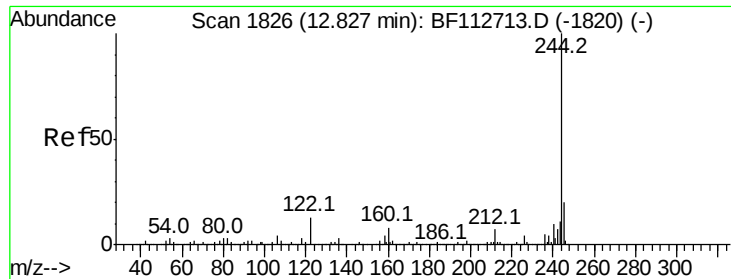
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#78
Pyrene
Concen: 46.262 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.0	25.4
203	19.0	14.4	21.6





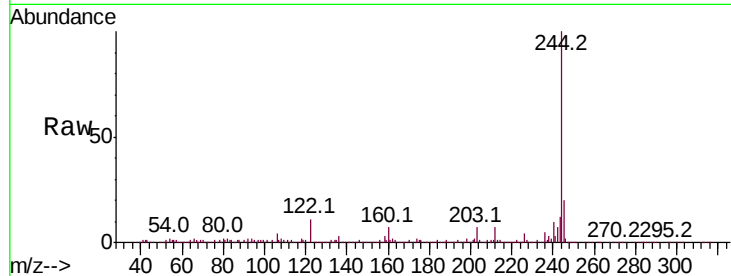
#79
 Terphenyl-d14
 Concen: 49.473 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112740.D
 Acq: 28 Feb 2019 1:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B11

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.4	10.5	15.7

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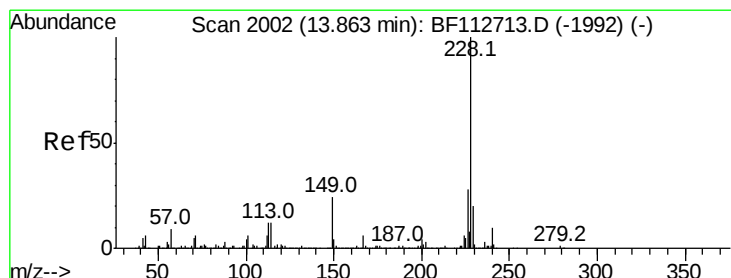
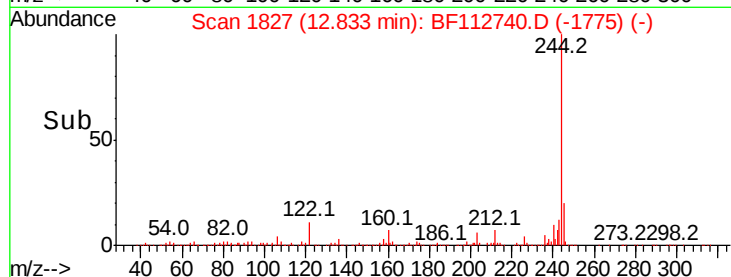
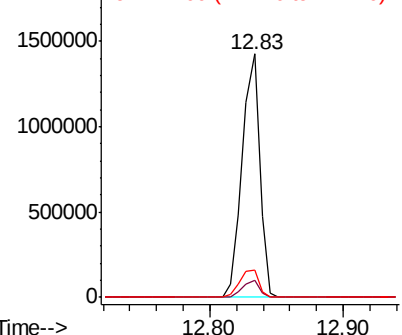


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 27.795 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.01 min
 Lab File: BF112740.D
 Acq: 28 Feb 2019 1:13

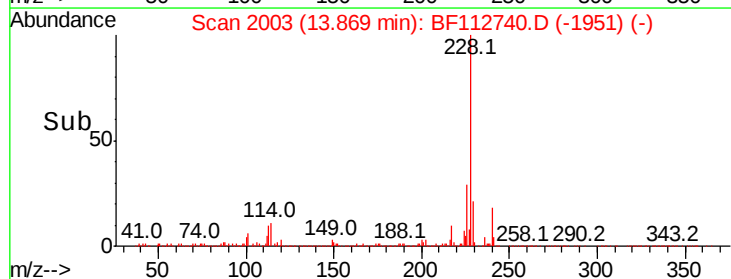
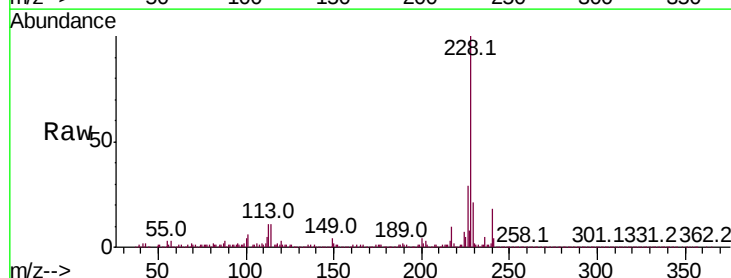
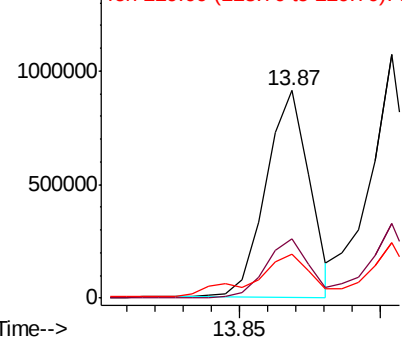
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.2	33.4
229	20.9	16.0	24.0

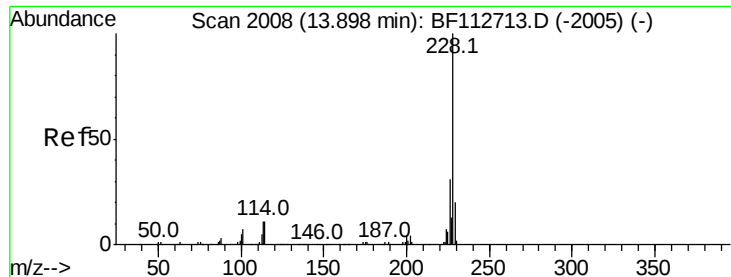
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





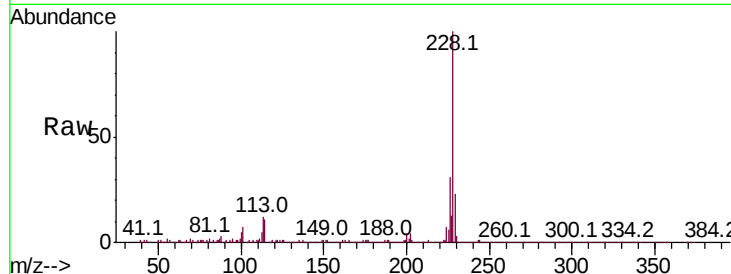
#83
Chrvsene
Concen: 26.976 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

Instrument :
BNA_F
ClientSampleId :
TP-CBF-B11

Tot Ion	Ratio	Resp Lower	Upper
228	100		
226	30.6	24.9	37.3
229	22.9	16.3	24.5

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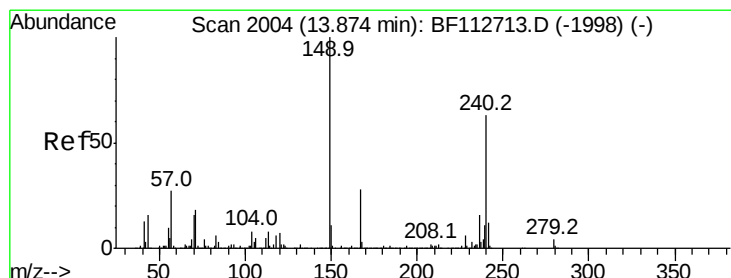
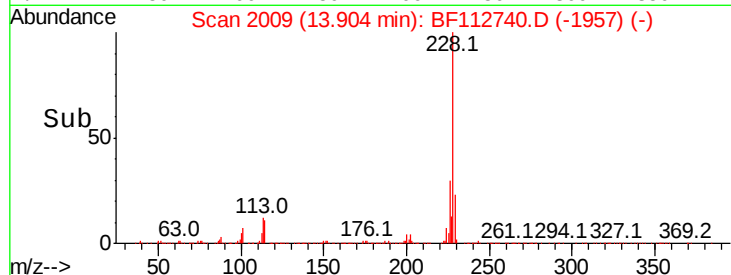
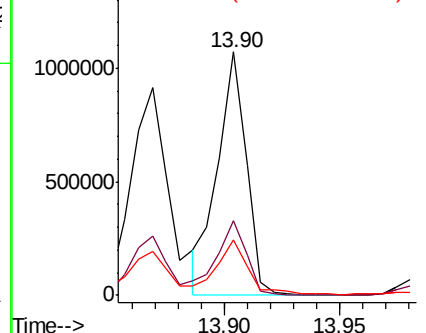


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.536 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

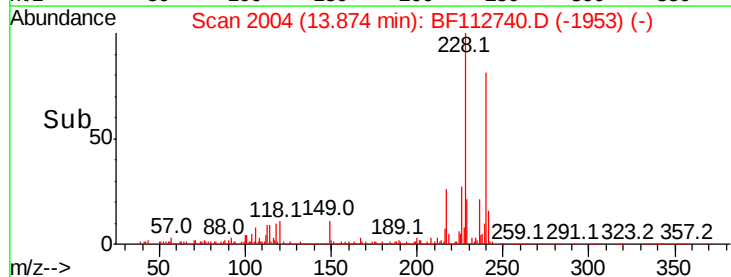
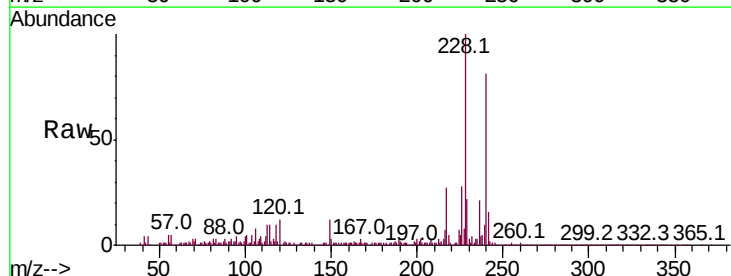
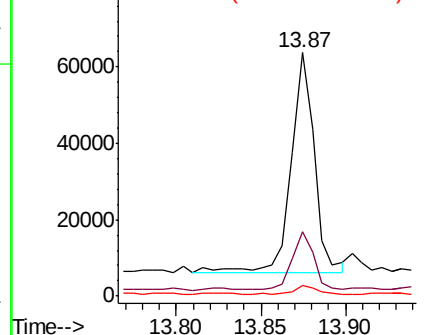
Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	26.5	22.4	33.6
279	4.2	3.3	4.9

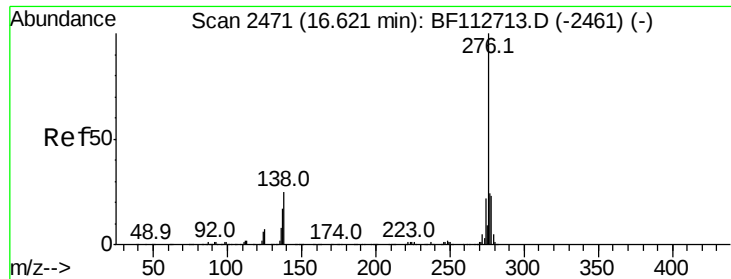
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





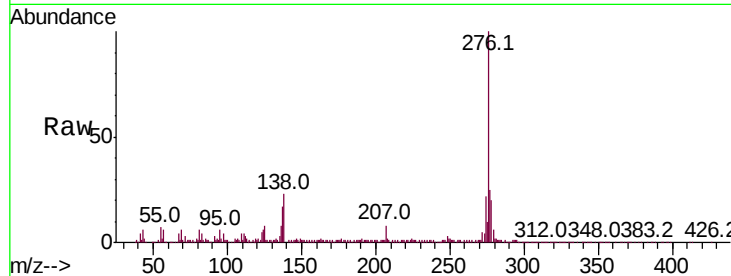
#86
Indeno(1,2,3-cd)pyrene
Concen: 10.977 ng/ml
RT: 16.64 min Scan# 2474
Delta R.T. 0.02 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

Instrument :
BNA_F
ClientSampleId :
TP-CBF-B11

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.7	23.2	34.8#
277	4.8	19.9	29.9#

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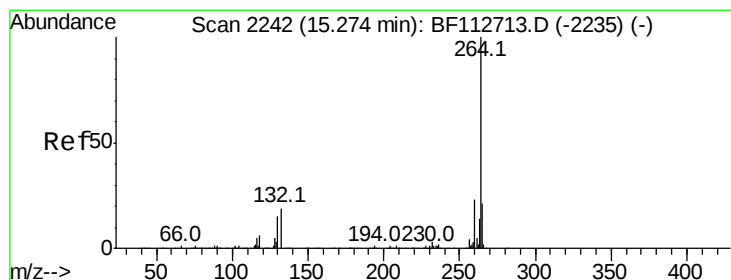
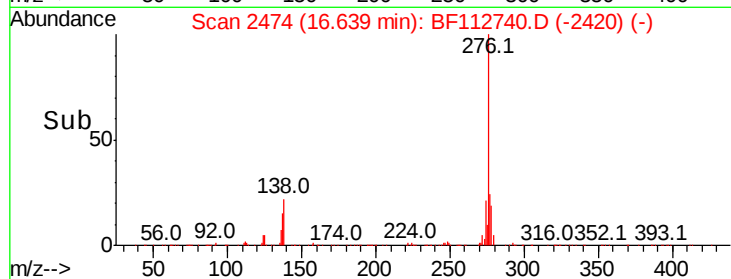
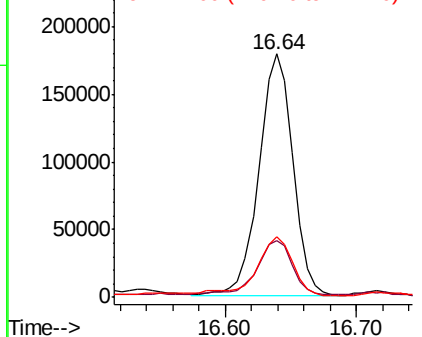


Abundance

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: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

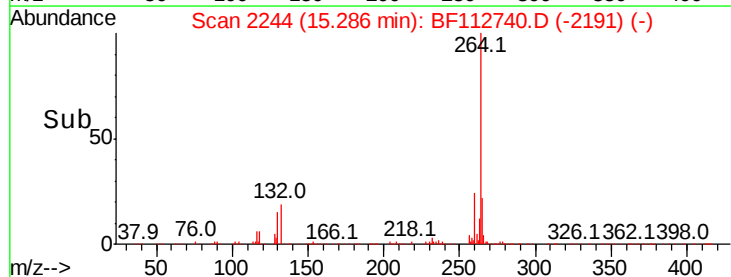
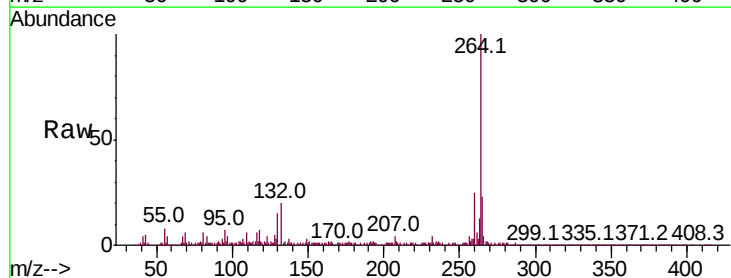
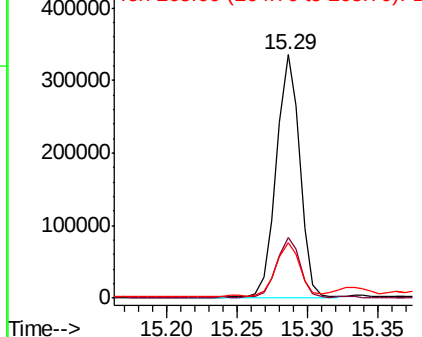
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	22.5	17.2	25.8

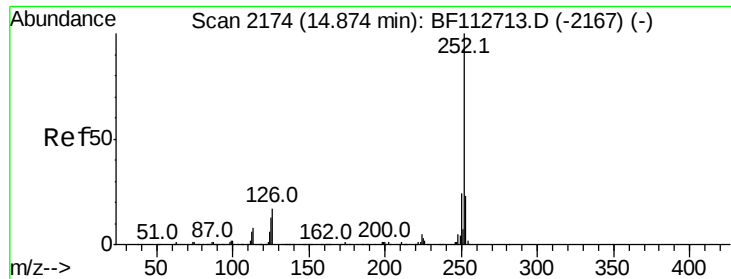
Abundance

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





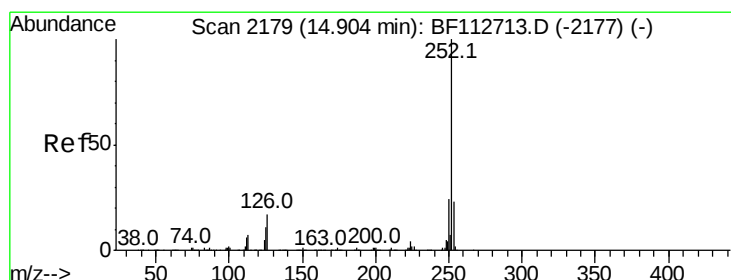
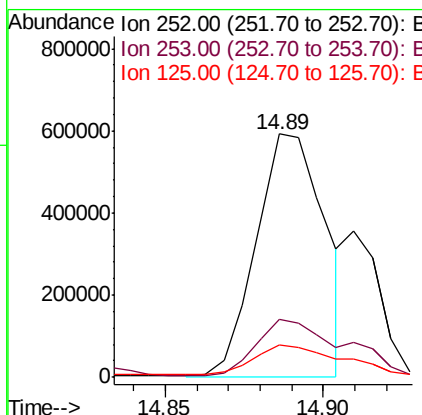
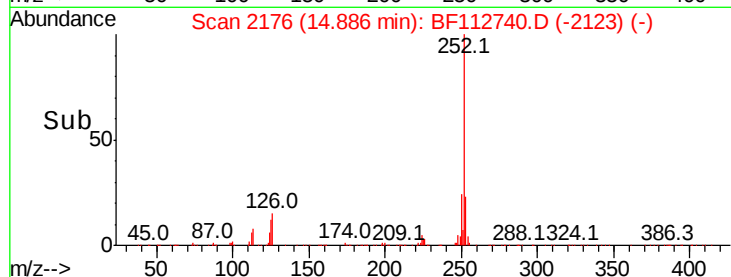
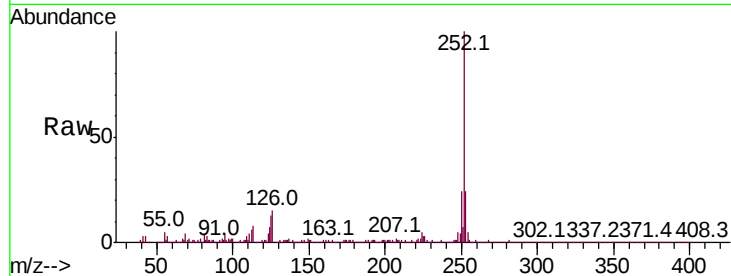
#88
Benzo(b)fluoranthene
Concen: 35.642 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

Instrument :
BNA_F
ClientSampleId :
TP-CBF-B11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	13.2	10.2	15.2

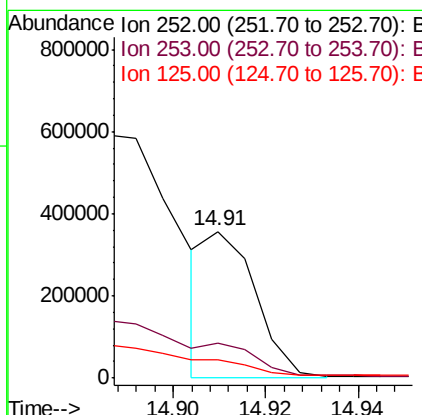
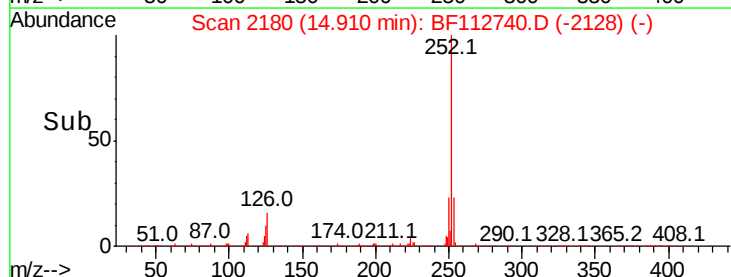
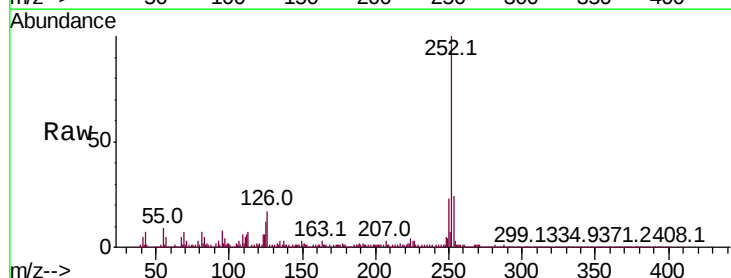
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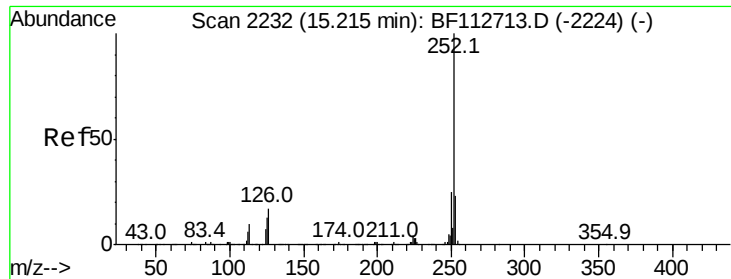
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#89
Benzo(k)fluoranthene
Concen: 11.752 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	12.2	9.8	14.6





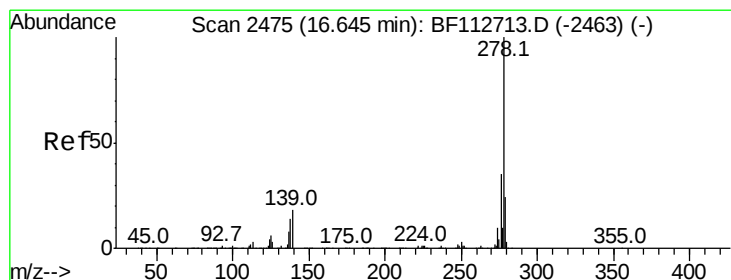
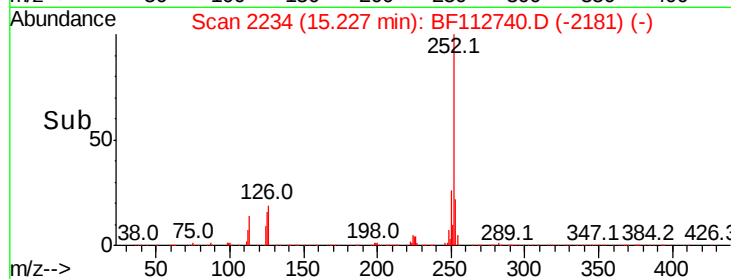
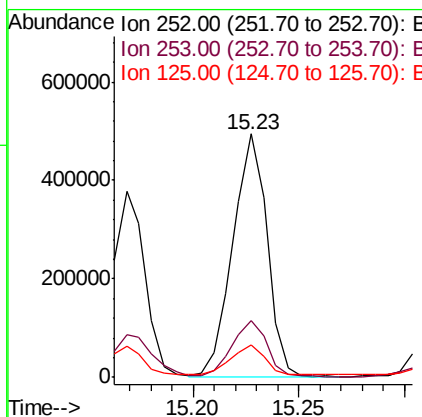
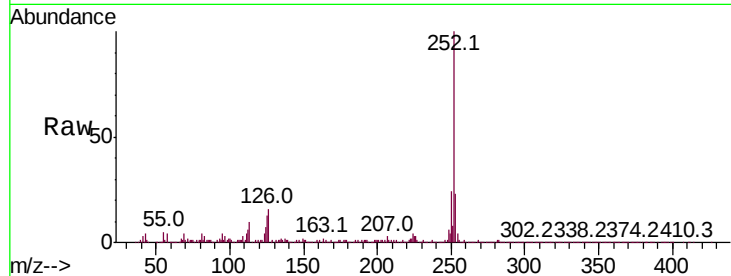
#90
Benzo(a)pyrene
Concen: 24.731 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

Instrument :
BNA_F
ClientSampleId :
TP-CBF-B11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	13.2	10.7	16.1

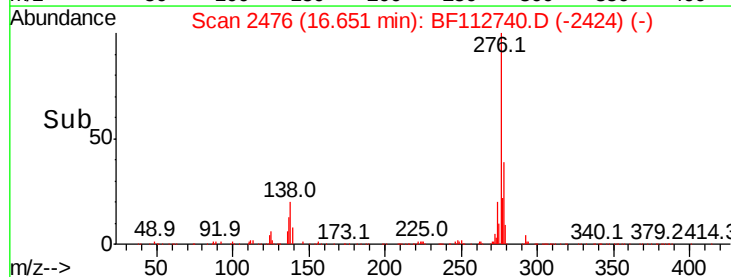
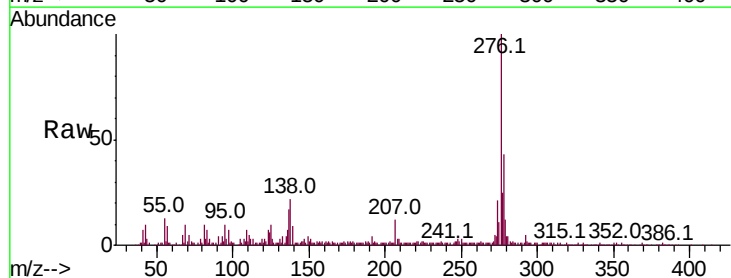
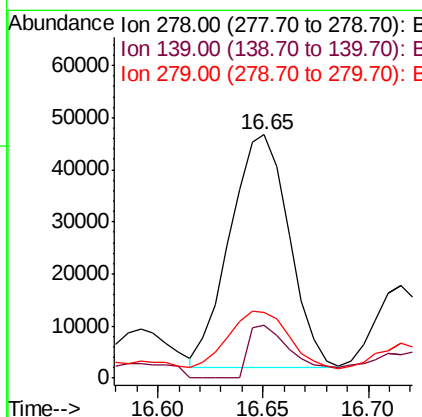
Manual Integrations
APPROVED

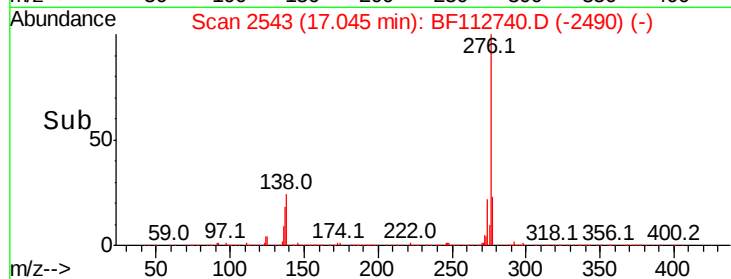
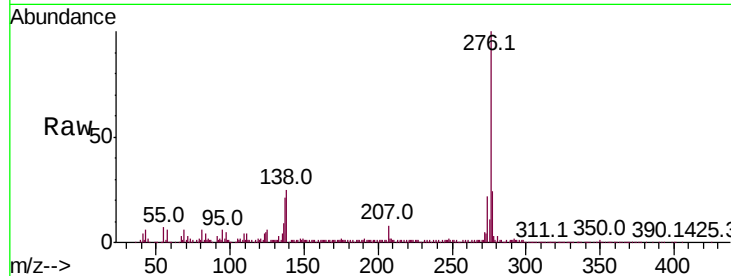
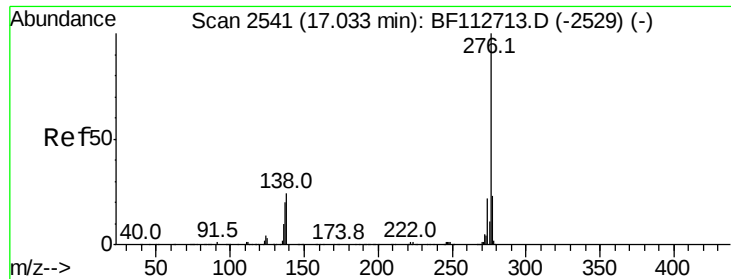
Sohil
2/28/2019 12:47:28 PM



#91
Dibenzo(a,h)anthracene
Concen: 4.578 ng m
RT: 16.65 min Scan# 2476
Delta R.T. 0.01 min
Lab File: BF112740.D
Acq: 28 Feb 2019 1:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.5	14.3	21.5#
279	27.1	19.4	29.0





#92
 Benzo(a,h,i)perylene
 Concen: 15.737 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. 0.01 min
 Lab File: BF112740.D
 Acq: 28 Feb 2019 1:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B11

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.4	18.6	27.8	
138	24.8	19.4	29.0	

Manual Integrations
 APPROVED

Sohil
 2/28/2019 12:47:28 PM

