

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112744.D
 Acq On : 28 Feb 2019 3:08
 Operator : JU/SJ
 Sample : K1596-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-15

Manual Integrations
 APPROVED

Sohil
 2/28/2019 12:47:37 PM

Quant Time: Feb 28 04:32:25 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	6.75	152	202032	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	710222	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	299489	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	581943	20.00	ng	0.00
76) Chrysene-d12	13.87	240	399365	20.00	ng	0.00
87) Perylene-d12	15.29	264	282025	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1182095	91.02	ng	0.00
7) Phenol-d6	6.37	99	1492893	91.50	ng	0.00
23) Nitrobenzene-d5	7.30	82	843511	71.07	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	329520	103.64	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1215749	66.85	ng	0.00
79) Terphenyl-d14	12.83	244	1193484	57.93	ng	0.00
Target Compounds						
10) Phenol	6.39	94	57020	2.995	ng	93
50) Dimethylphthalate	9.49	163	102277	4.632	ng	98
71) Phenanthrene	11.27	178	160865	5.556	ng	99
75) Fluoranthene	12.46	202	333744	10.759	ng	96
78) Pyrene	12.68	202	326937	9.711	ng	99
81) Benzo(a)anthracene	13.87	228	135636	4.900	ng	95
83) Chrysene	13.90	228	127640	4.708	ng	96
86) Indeno(1,2,3-cd)pyrene	16.65	276	53515	2.315	ng	94
88) Benzo(b)fluoranthene	14.89	252	117993m	6.468	ng	
89) Benzo(k)fluoranthene	14.91	252	38382m	2.323	ng	
90) Benzo(a)pyrene	15.23	252	83656	5.185	ng	# 86
92) Benzo(a,h,i)perylene	17.06	276	57076	4.128	ng	# 88

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

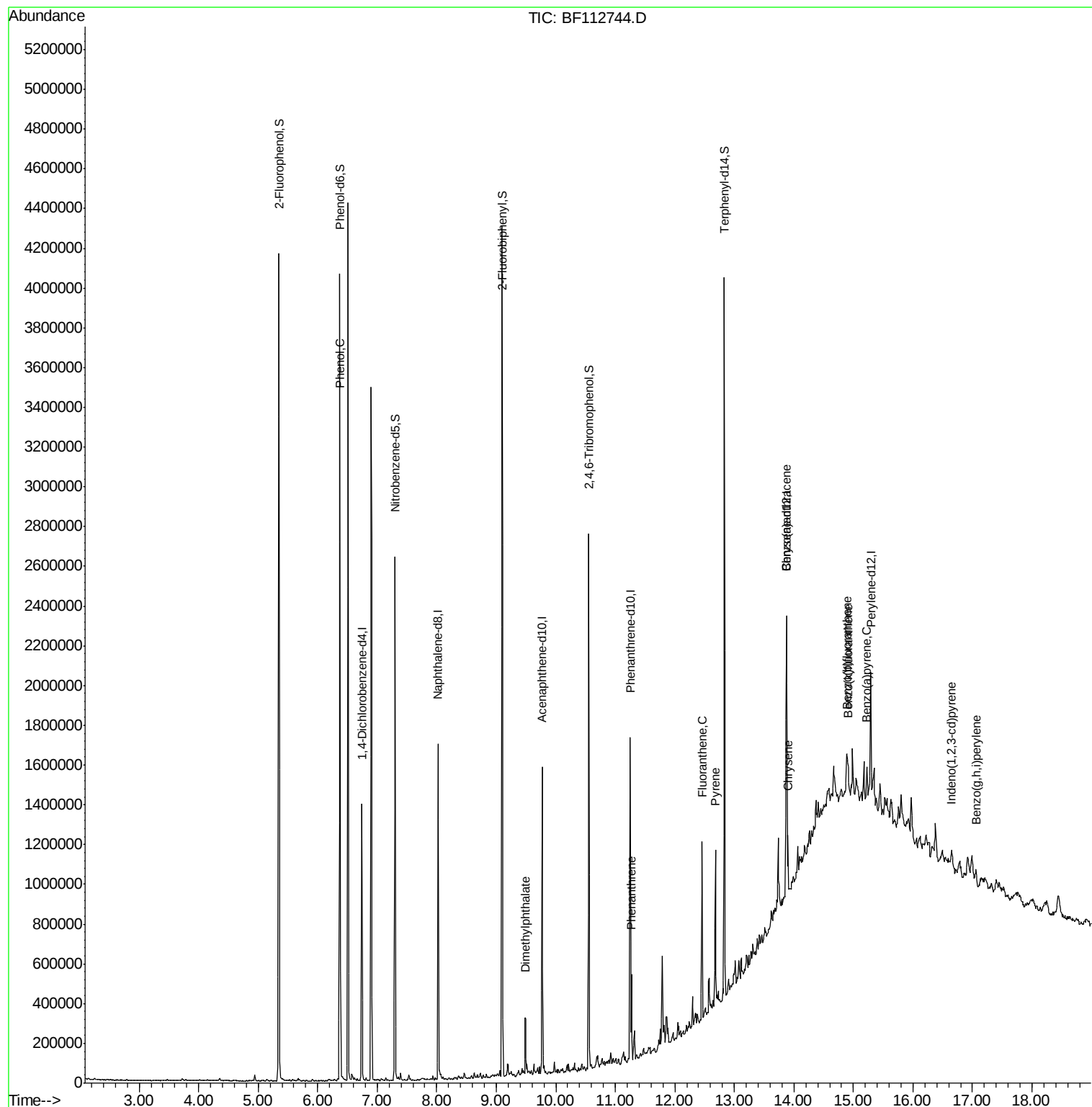
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
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ALS Vial : 27 Sample Multiplier: 1

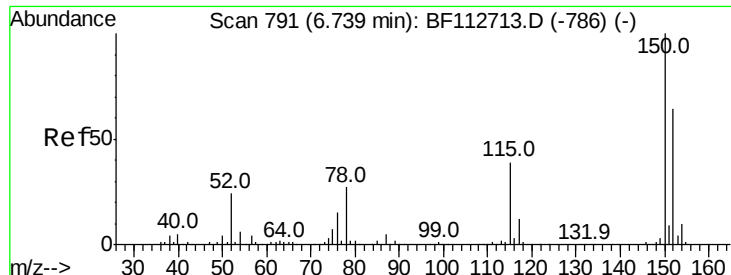
Instrument :
BNA_F
ClientSampleId :
COMP-15

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#1

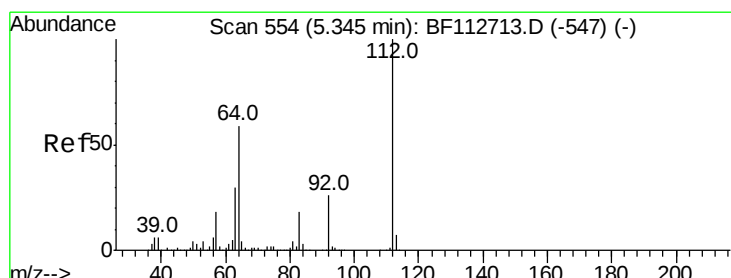
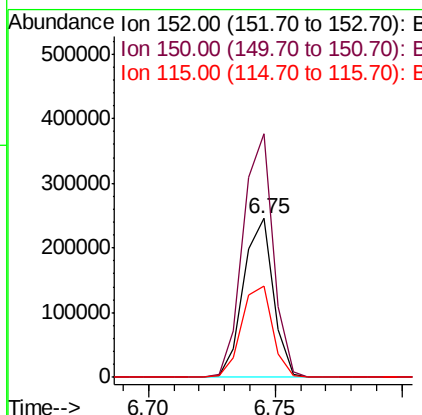
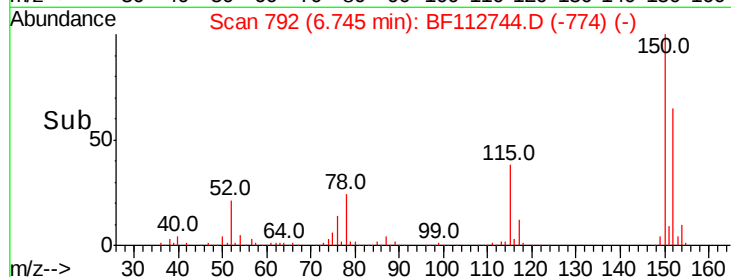
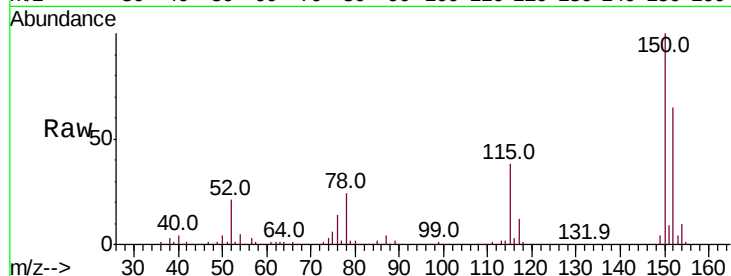
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Instrument :
BNA_F
ClientSampled :
COMP-15

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.2	186.2
115	57.6	48.2	72.4

Manual Integrations
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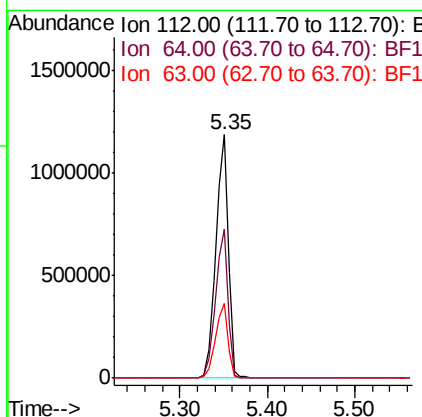
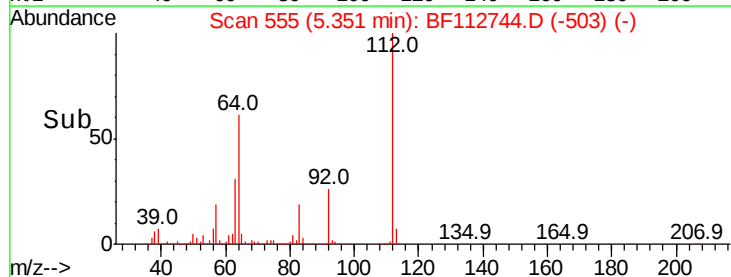
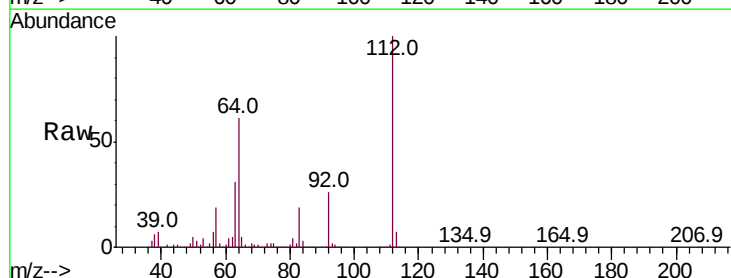
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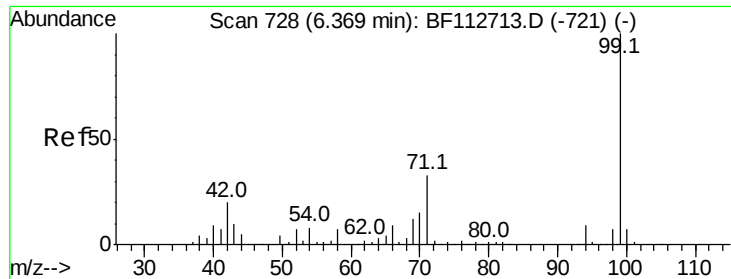


#5

2-Fluorophenol
Concen: 91.015 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.6	71.4
63	30.9	24.4	36.6





#7

Phenol-d6

Concen: 91.505 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

Instrument :

BNA_F

ClientSampled :

COMP-15

Tot Ion: 99 Resp: 1492893

Ion Ratio Lower Upper

99 100

42 19.7 16.3 24.5

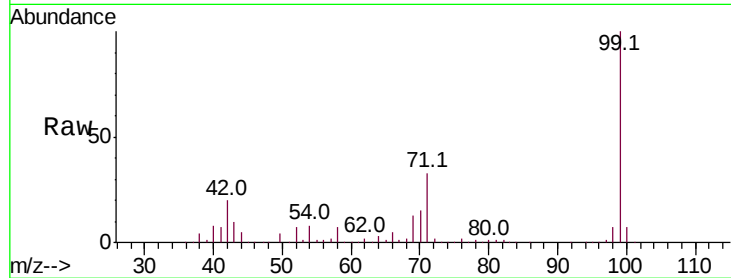
71 33.3 26.2 39.4

Manual Integrations

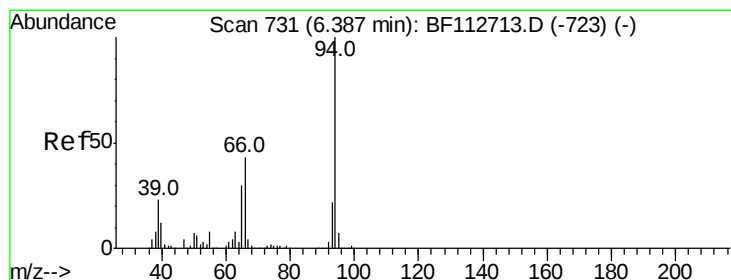
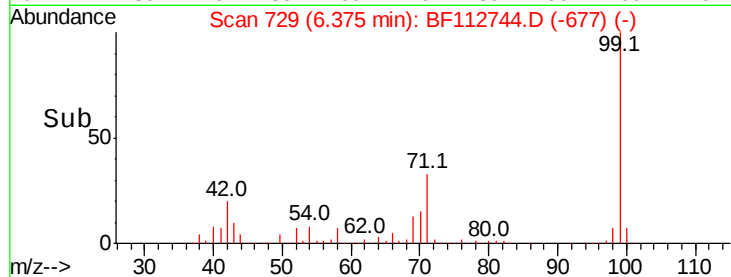
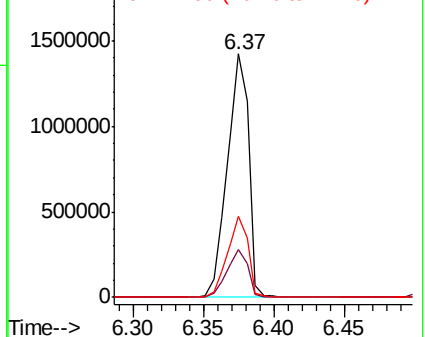
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.995 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

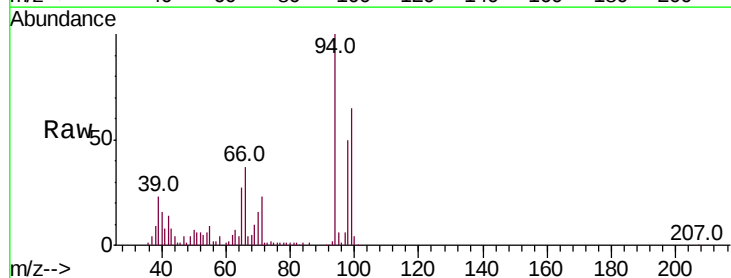
Tgt Ion: 94 Resp: 57020

Ion Ratio Lower Upper

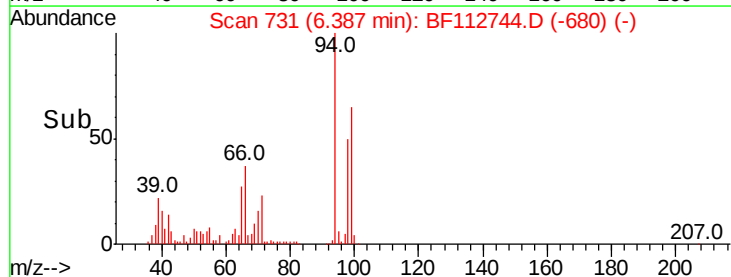
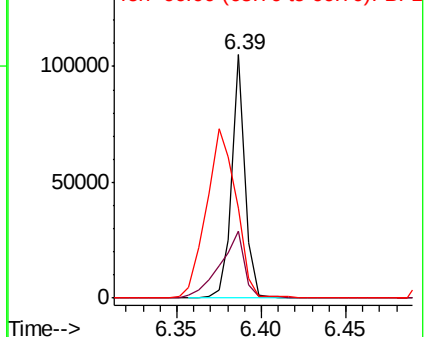
94 100

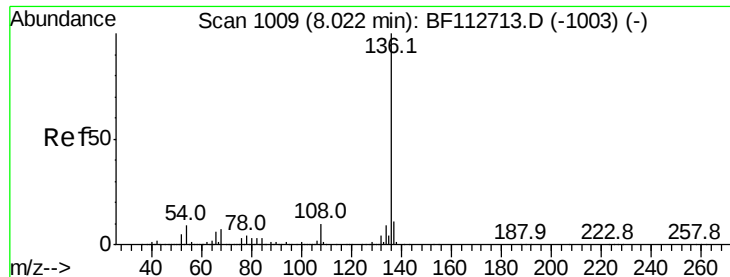
65 27.5 10.5 50.5

66 37.1 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





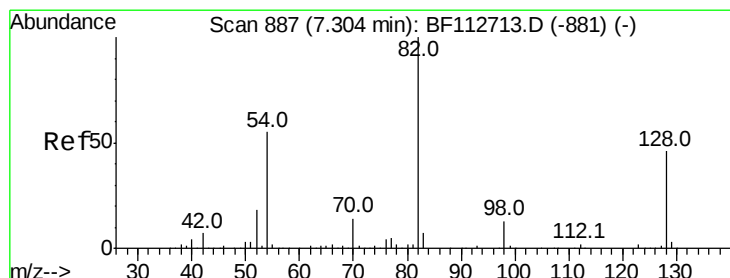
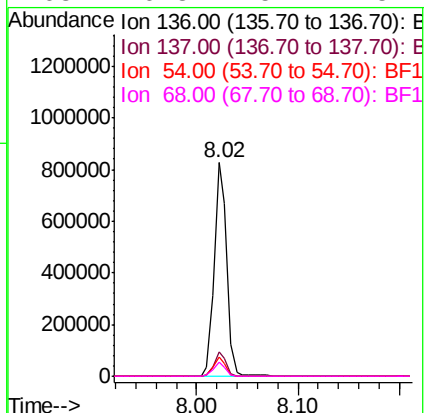
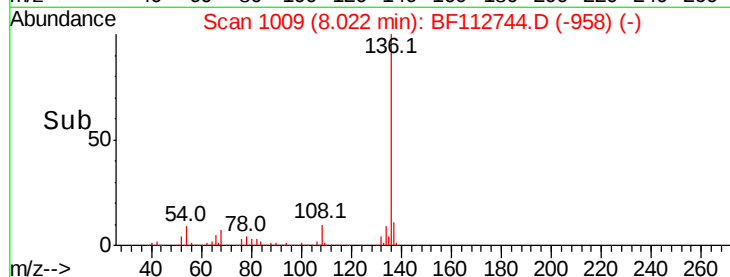
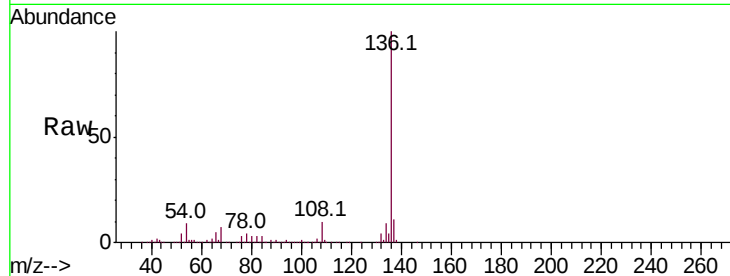
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Instrument :
BNA_F
ClientSampleId :
COMP-15

Tot Ion	Ratio	Resp	Lower	Upper
136	100	710222		
137	11.4		8.9	13.3
54	8.8		7.3	10.9
68	6.8		5.4	8.2

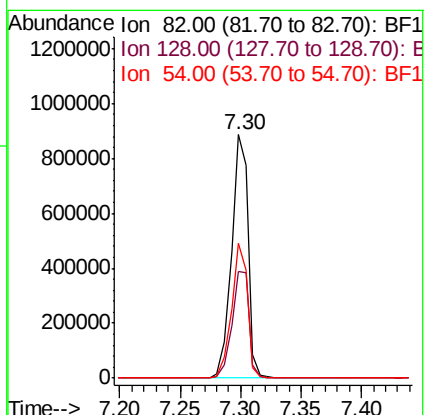
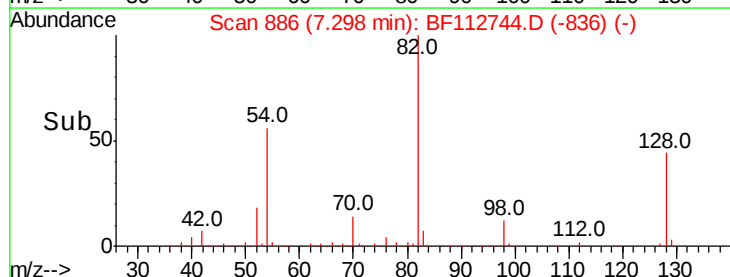
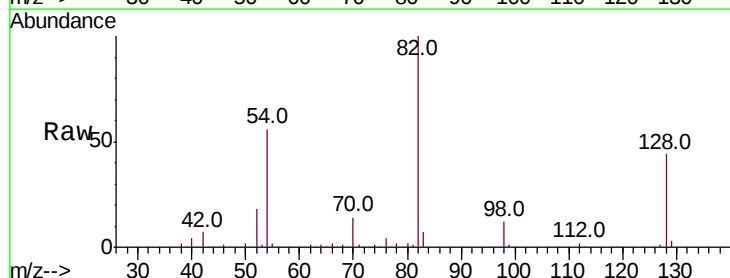
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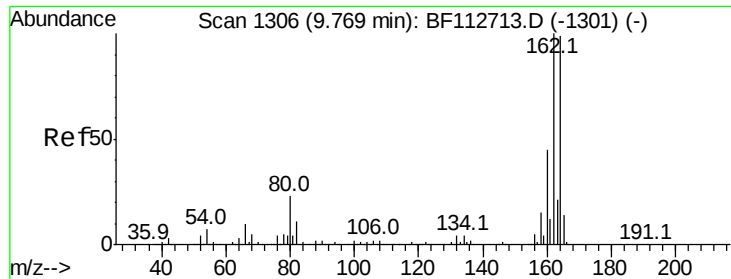
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#23
Nitrobenzene-d5
Concen: 71.068 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	843511		
128	44.0		36.3	54.5
54	55.5		43.7	65.5





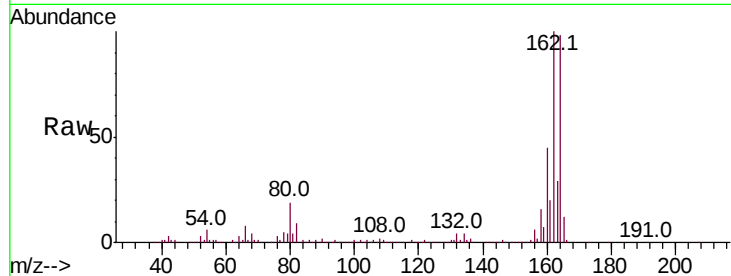
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF112744.D
 Acq: 28 Feb 2019 3:08

Instrument :
 BNA_F
 ClientSampleId :
 COMP-15

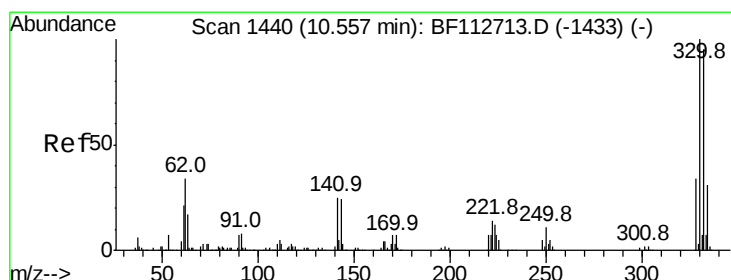
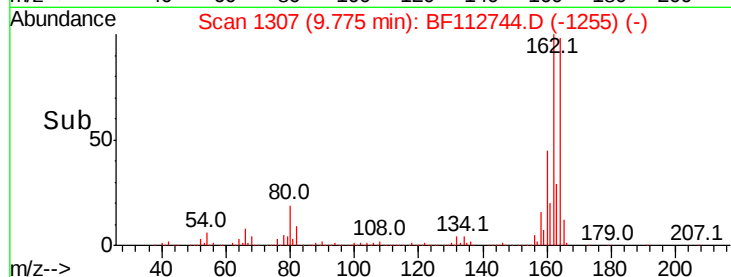
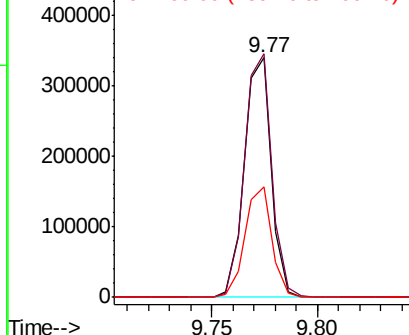
Tot Ion	Ratio	Resp	Lower	Upper
164	100	299489		
162	101.6		80.6	120.8
160	45.9		36.0	54.0

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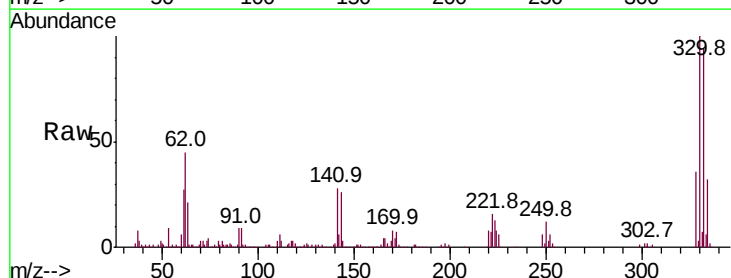


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

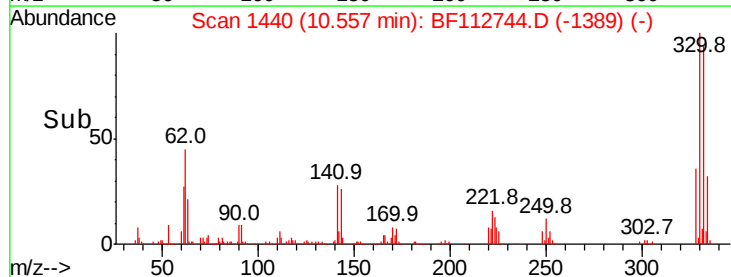
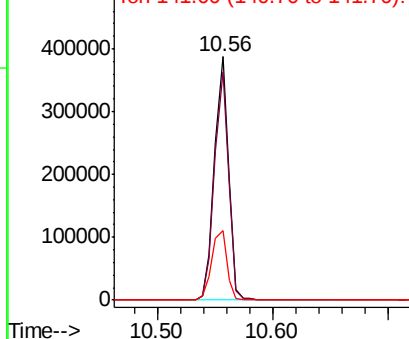


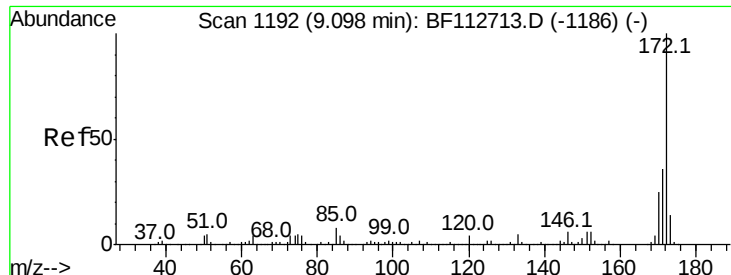
#42
 2,4,6-Tribromophenol
 Concen: 103.641 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112744.D
 Acq: 28 Feb 2019 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	329520		
332	94.3		76.2	114.4
141	30.8		27.0	40.6



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





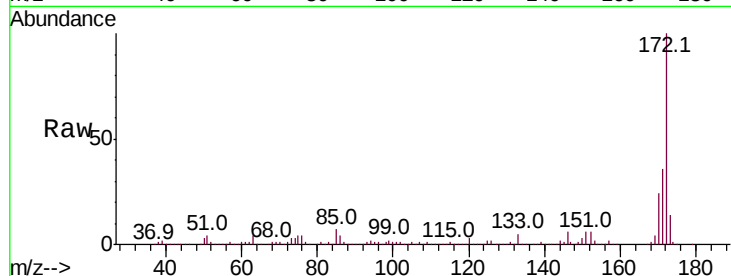
#45
2-Fluorobiphenyl
Concen: 66.849 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Instrument :
BNA_F
ClientSampleId :
COMP-15

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.4
170	24.0	20.0	30.0

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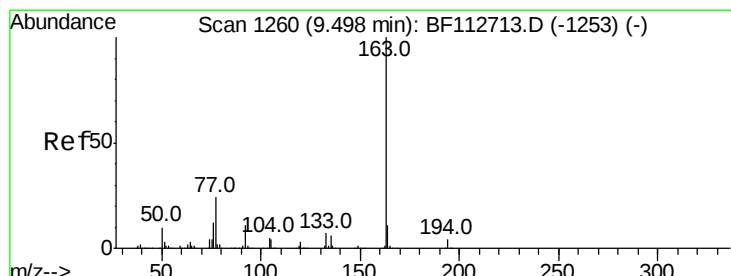
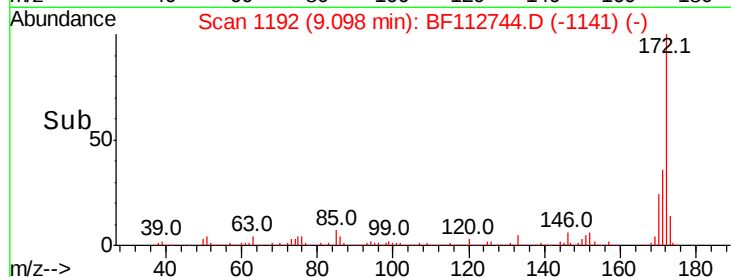
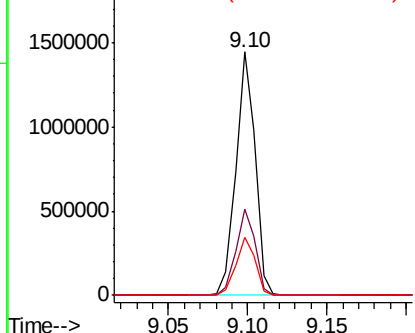


Abundance

Ion 172.00 (171.70 to 172.70): E

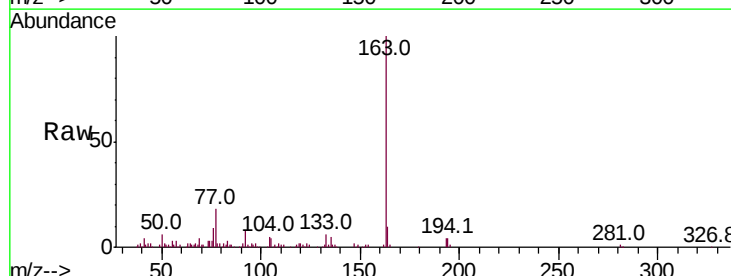
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.632 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.4
164	9.7	8.4	12.6

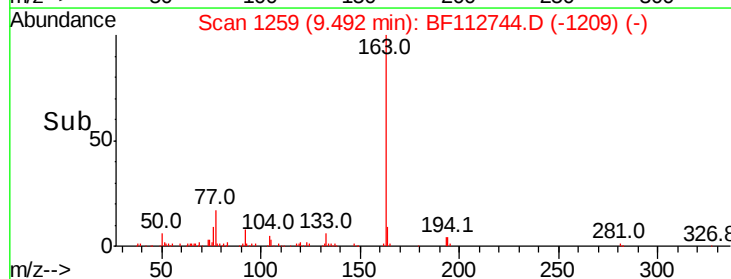
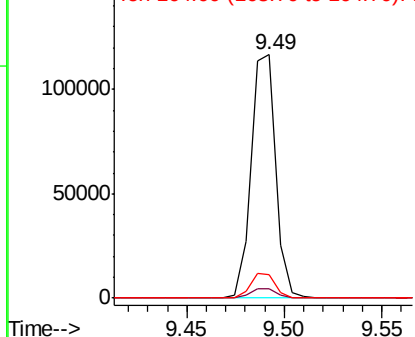


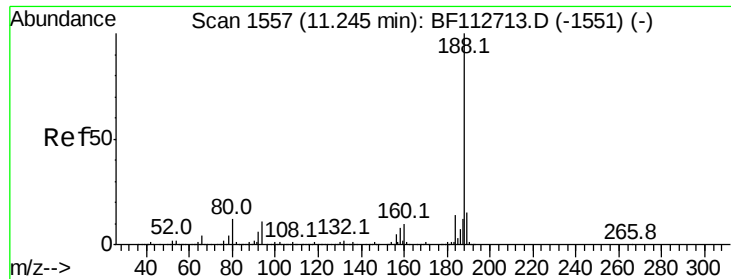
Abundance

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





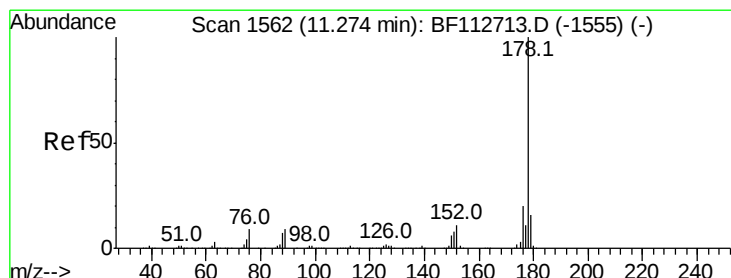
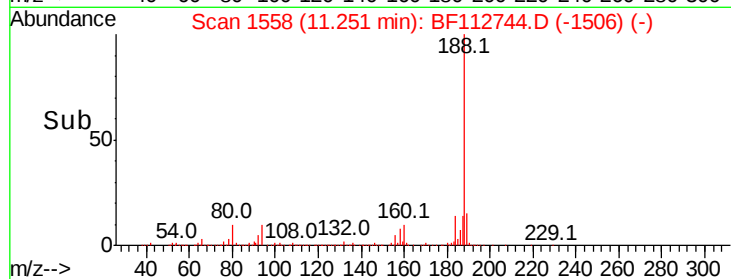
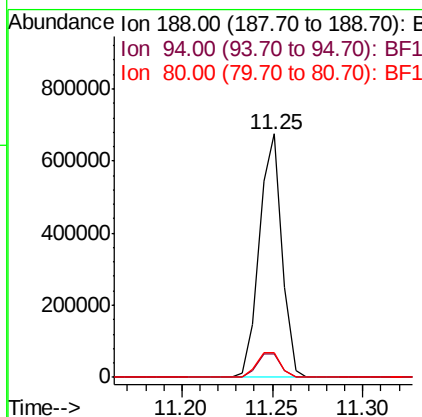
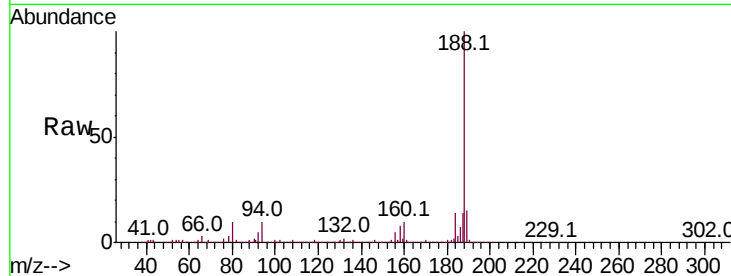
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Instrument :
BNA_F
ClientSampleId :
COMP-15

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.9	9.0	13.4
80	10.0	9.2	13.8

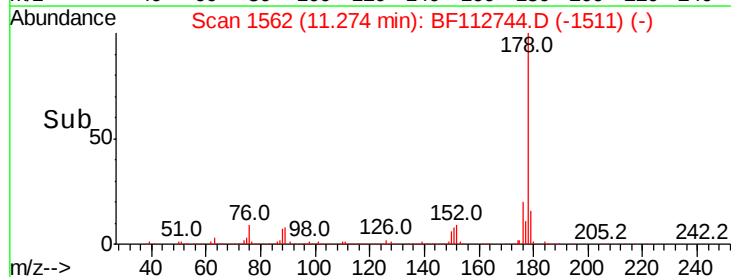
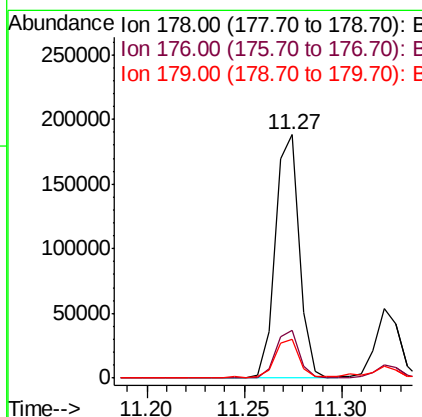
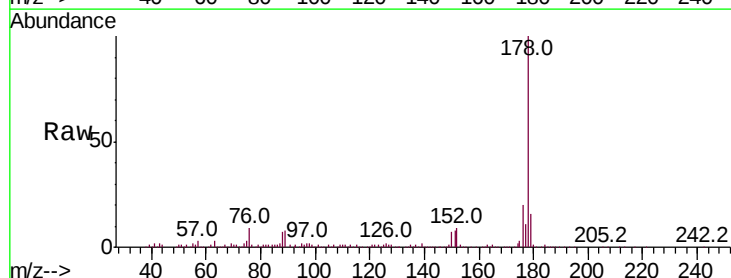
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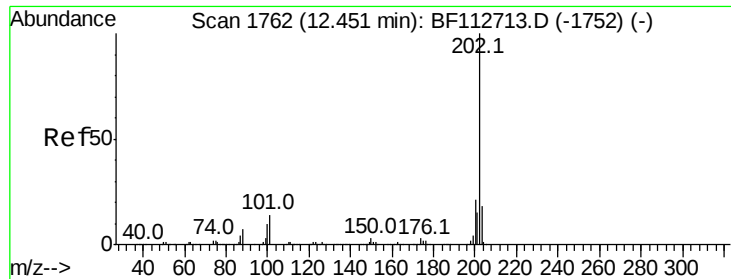
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#71
Phenanthrene
Concen: 5.556 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	16.3	24.5
179	15.9	12.7	19.1





#75

Fluoranthene

Concen: 10.759 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

Instrument :

BNA_F

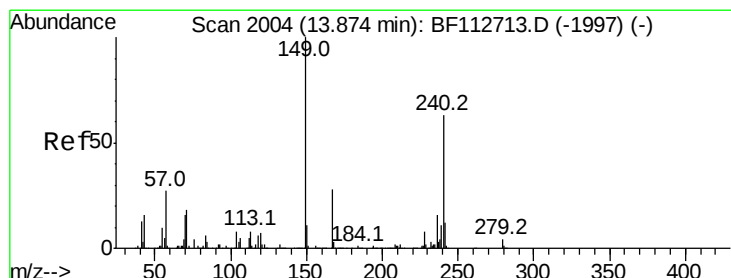
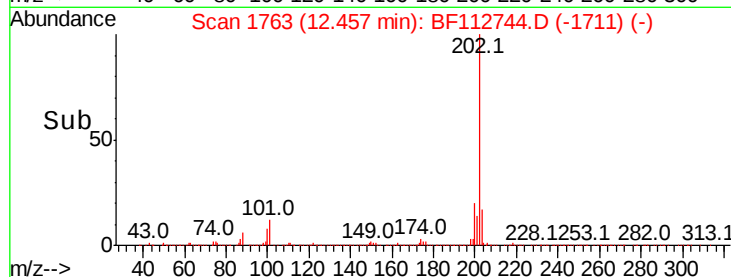
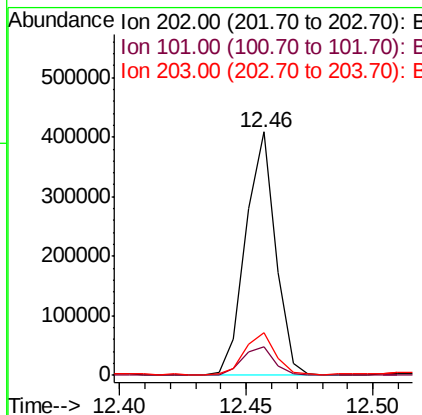
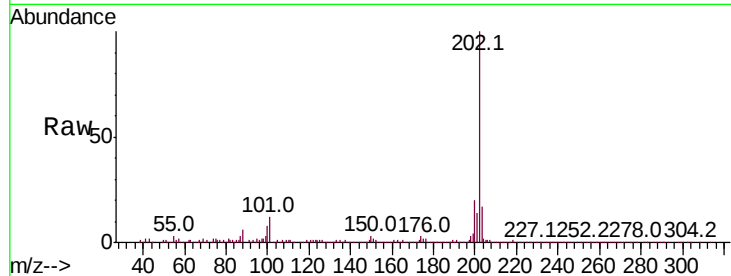
ClientSampled :

COMP-15

Tot Ion:	202	Resp:	333744
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	33.8
203	17.5	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

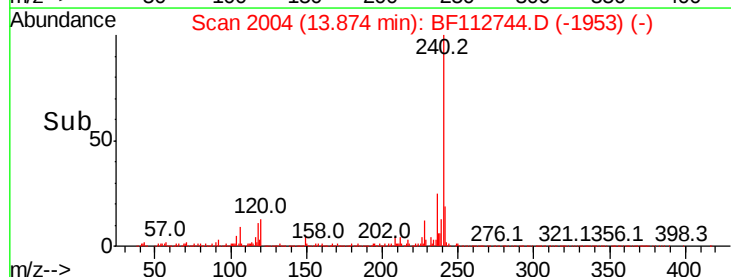
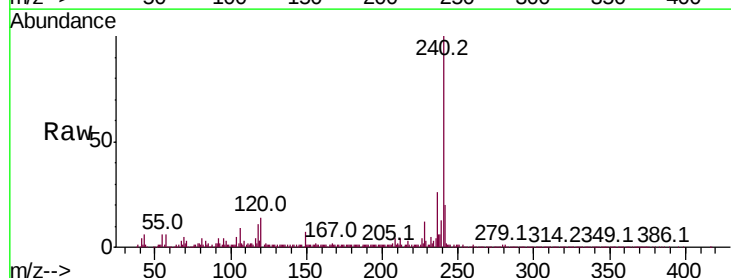
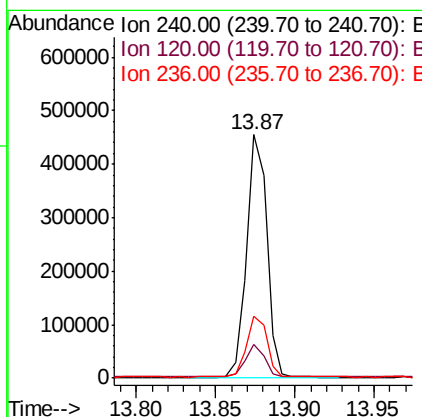
RT: 13.87 min Scan# 2004

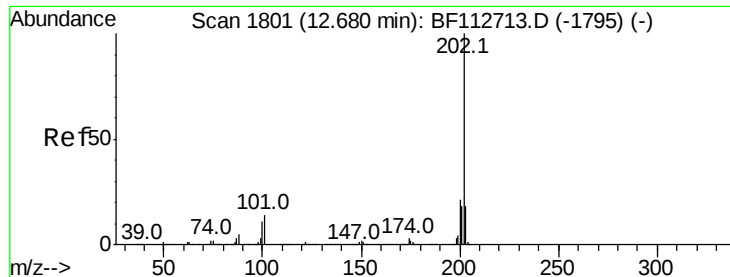
Delta R.T. 0.00 min

Lab File: BF112744.D

Acq: 28 Feb 2019 3:08

Tgt Ion:	240	Resp:	399365
Ion Ratio	Lower	Upper	
240	100		
120	13.7	8.9	13.3#
236	25.6	20.7	31.1





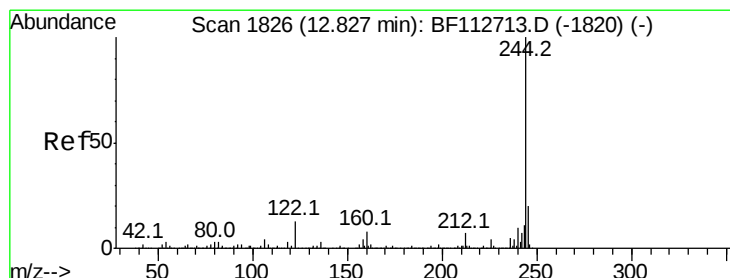
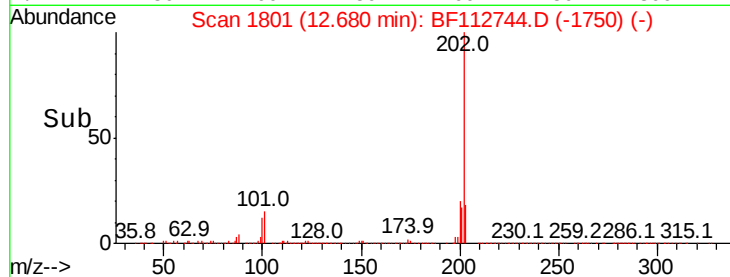
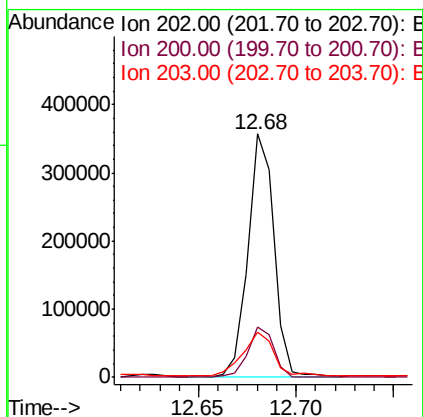
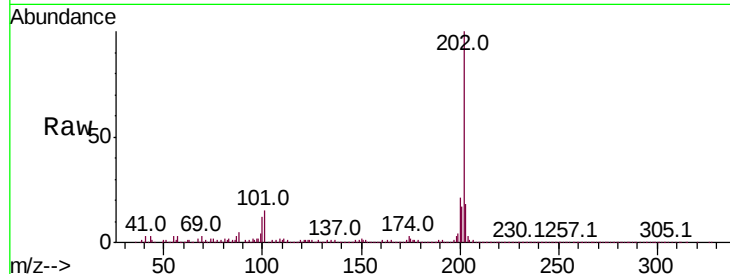
#78
Pvrene
Concen: 9.711 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Instrument :
BNA_F
ClientSampleId :
COMP-15

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	17.0	25.4
203	18.5	14.4	21.6

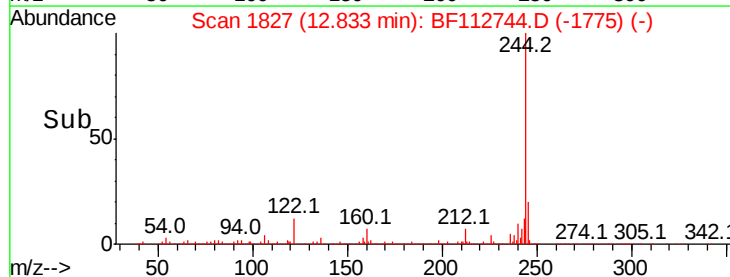
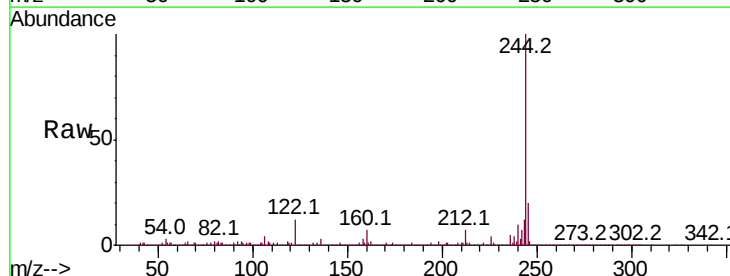
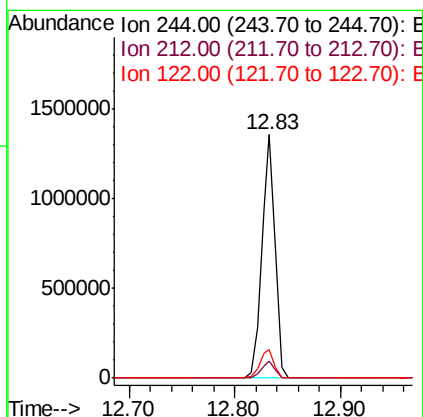
Manual Integrations
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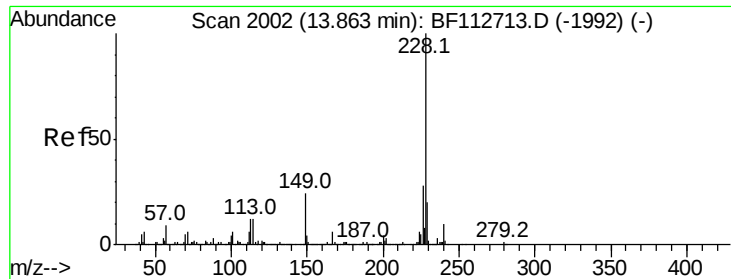
Sohil
2/28/2019 12:47:37 PM



#79
Terphenyl-d14
Concen: 57.931 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.9	10.5	15.7





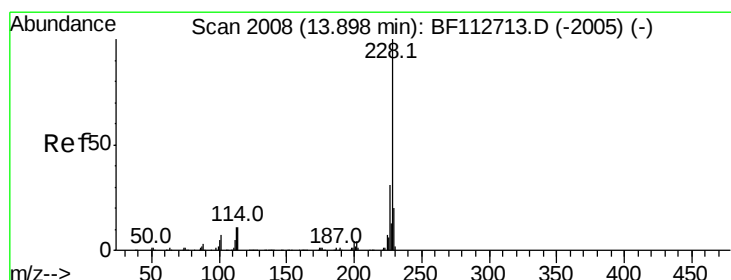
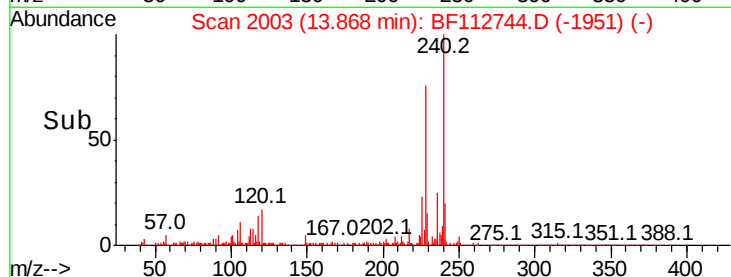
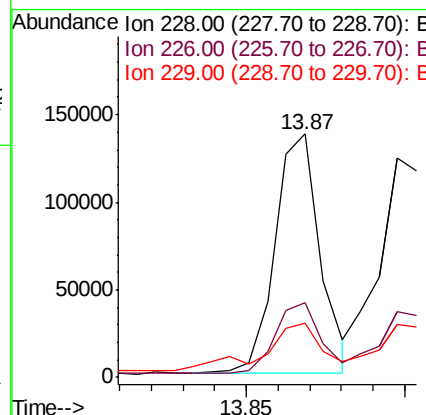
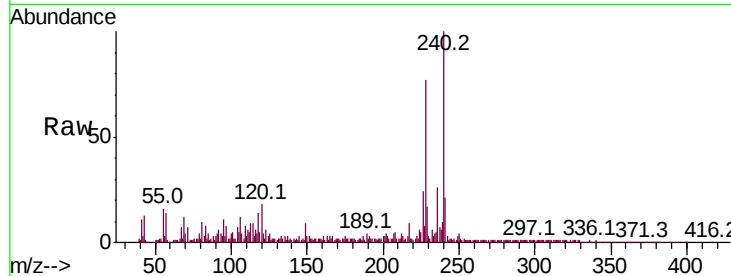
#81
Benzo(a)anthracene
Concen: 4.900 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Instrument :
BNA_F
ClientSampleId :
COMP-15

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.2	33.4
229	22.1	16.0	24.0

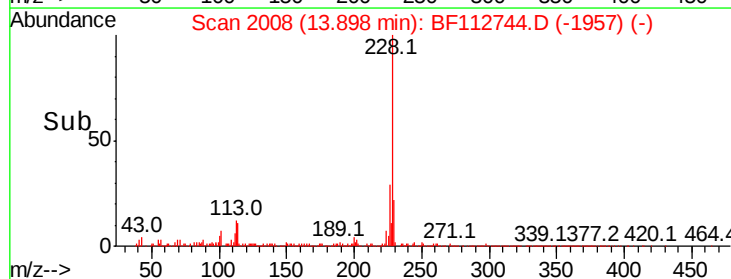
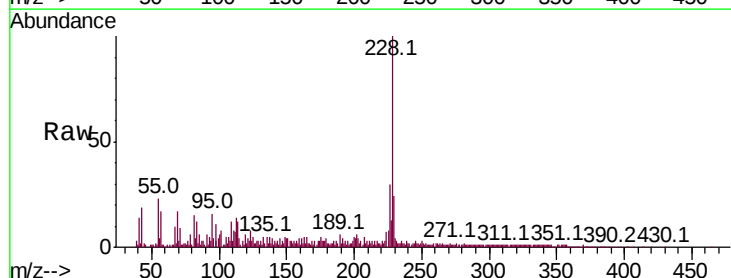
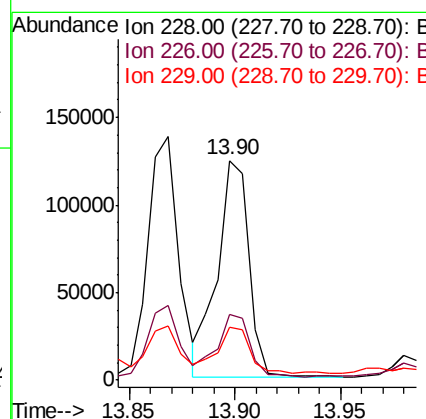
Manual Integrations
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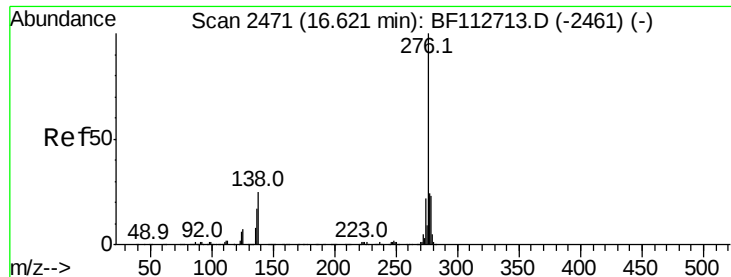
Sohil
2/28/2019 12:47:37 PM



#83
Chrysene
Concen: 4.708 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	24.2	16.3	24.5





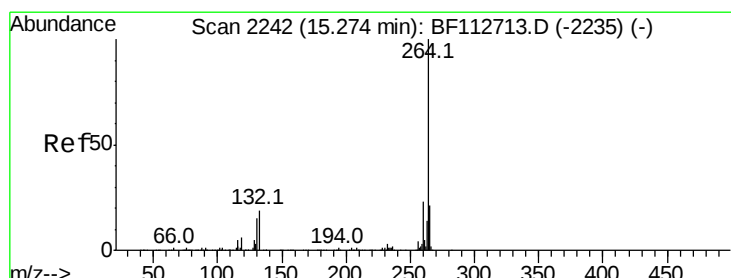
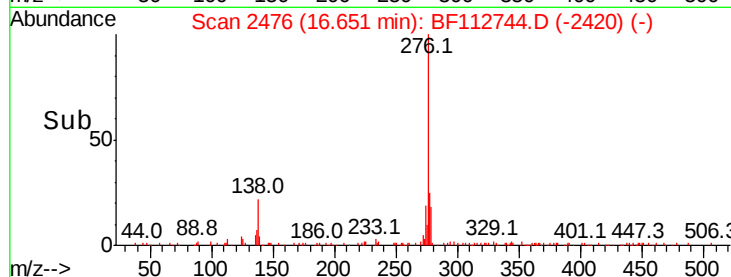
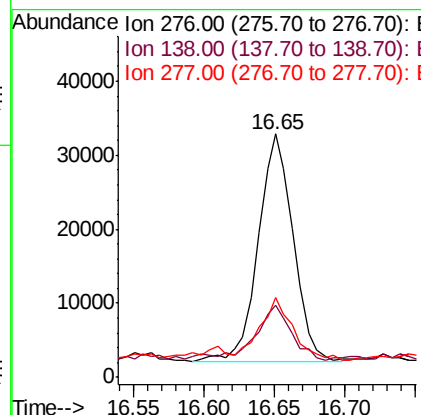
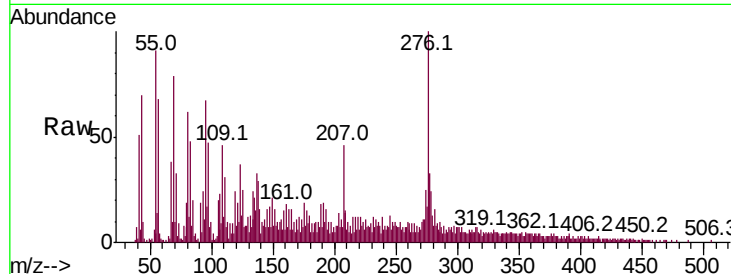
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.315 ng
RT: 16.65 min Scan# 2476
Delta R.T. 0.03 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Instrument :
BNA_F
ClientSampleId :
COMP-15

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	23.2	34.8
277	26.4	19.9	29.9

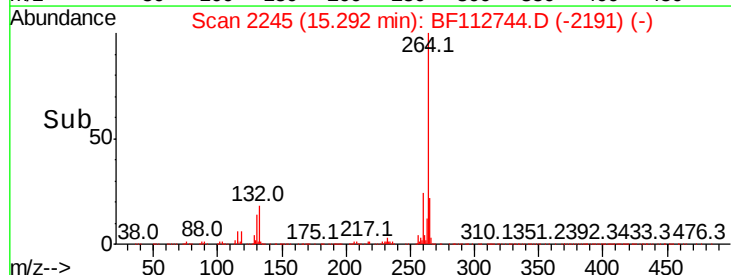
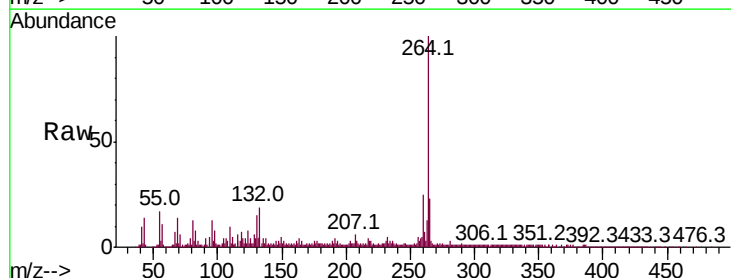
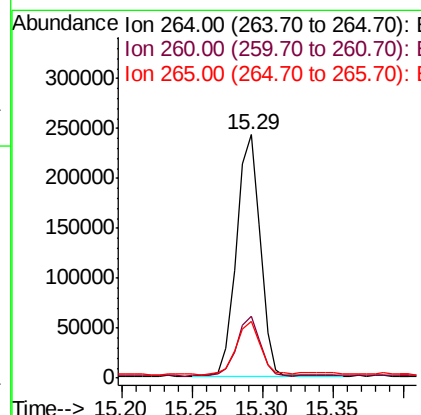
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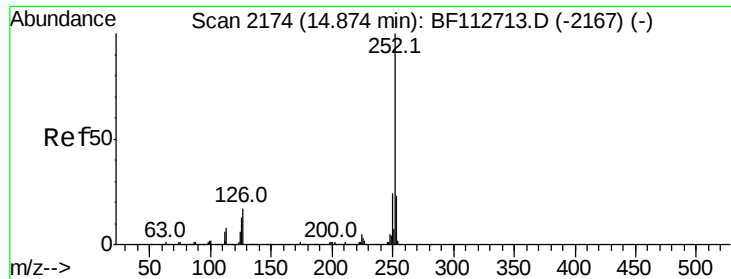
Sohil
2/28/2019 12:47:37 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	18.7	28.1
265	23.2	17.2	25.8





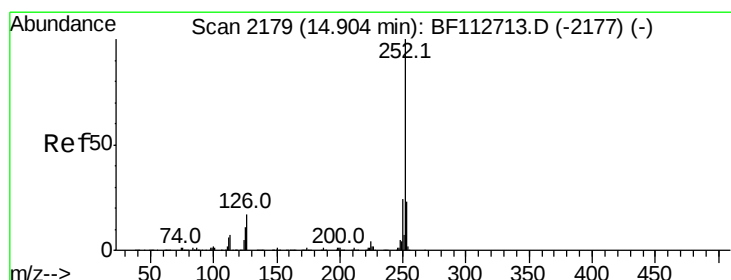
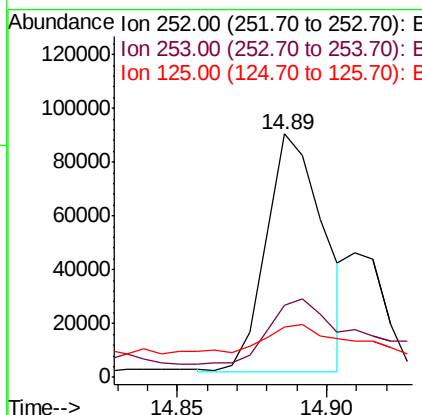
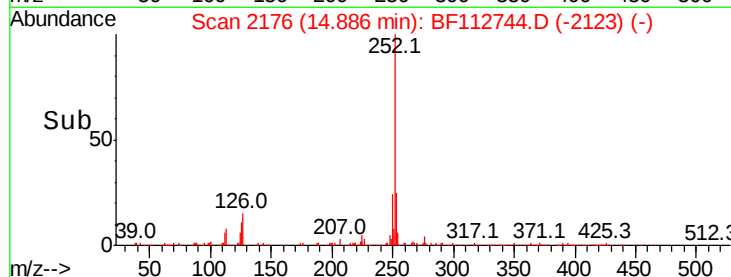
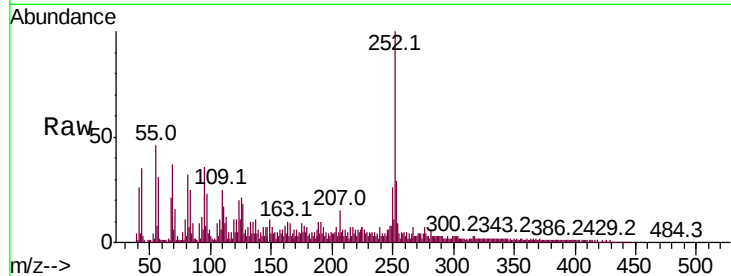
#88
Benzo(b)fluoranthene
Concen: 6.468 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Instrument :
BNA_F
ClientSampleId :
COMP-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.5	18.0	27.0#
125	20.6	10.2	15.2#

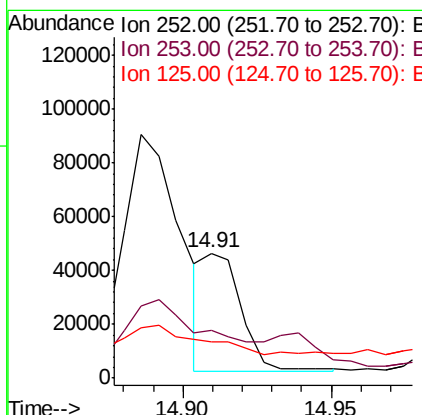
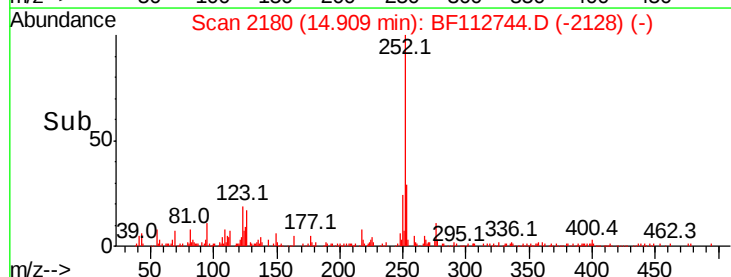
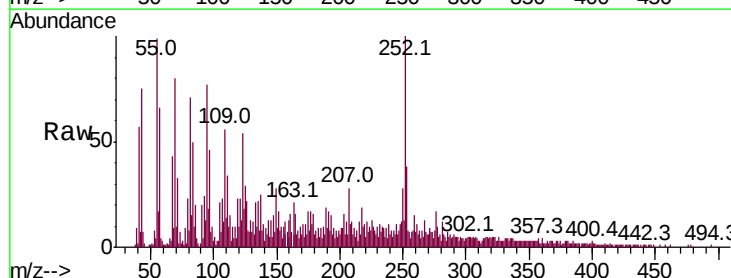
Manual Integrations
APPROVED

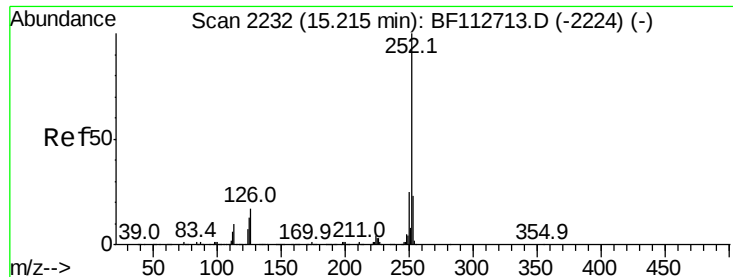
Sohil
2/28/2019 12:47:37 PM



#89
Benzo(k)fluoranthene
Concen: 2.323 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.0	18.2	27.2#
125	29.3	9.8	14.6#





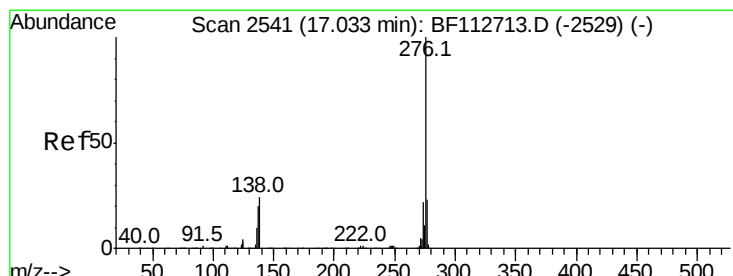
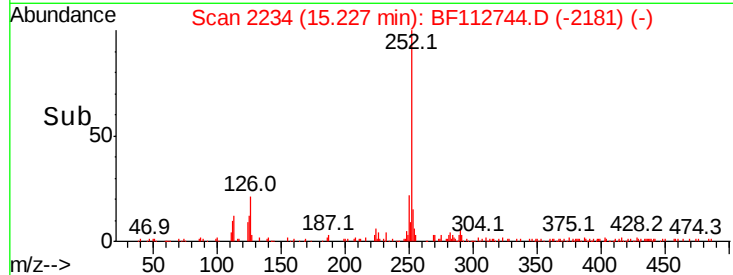
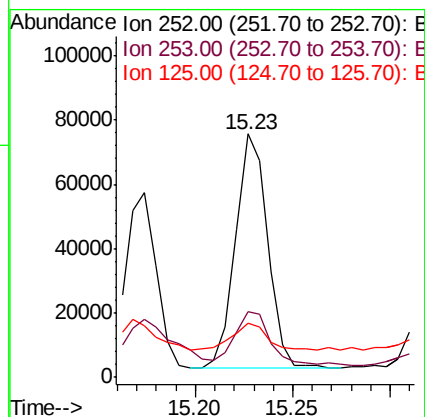
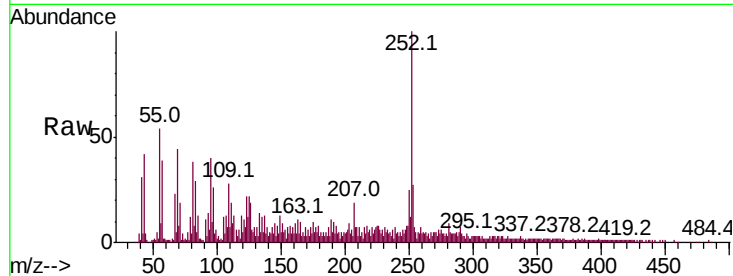
#90
Benzo(a)pyrene
Concen: 5.185 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Instrument :
BNA_F
ClientSampled :
COMP-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.0	27.0
125	22.5	10.7	16.1

Manual Integrations
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2/28/2019 12:47:37 PM



#92
Benzo(g,h,i)perylene
Concen: 4.128 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.03 min
Lab File: BF112744.D
Acq: 28 Feb 2019 3:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.0	18.6	27.8
138	28.0	19.4	29.0

