

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113698.D
 Acq On : 10 Apr 2019 16:00
 Operator : JU/SJ
 Sample : K2316-06RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20190174-AMND-COMP-CS-1RE

Manual Integrations
 APPROVED

Sohil
 4/11/2019 2:39:36 PM

Quant Time: Apr 11 02:16:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	117899	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	435066	20.00	ng	-0.01
39) Acenaphthene-d10	9.71	164	204138	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	373033	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	286175	20.00	ng	-0.02
87) Perylene-d12	15.23	264	304469	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	226222	32.72	ng	0.00
7) Phenol-d6	6.33	99	843364	98.97	ng	0.00
23) Nitrobenzene-d5	7.25	82	586798	79.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	47109	19.21	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	826595	65.19	ng	-0.02
79) Terphenyl-d14	12.77	244	773767	55.05	ng	-0.02
Target Compounds						
10) Phenol	6.35	94	22967	2.360	ng	90
50) Dimethylphthalate	9.43	163	158921	10.561	ng	100
71) Phenanthrene	11.22	178	69468	3.748	ng	98
75) Fluoranthene	12.40	202	98476	4.958	ng	98
78) Pyrene	12.63	202	83340	3.827	ng	97
81) Benzo(a)anthracene	13.82	228	36930	2.237	ng	97
83) Chrysene	13.85	228	37798	2.259	ng	97
84) Bis(2-ethylhexyl)phthalate	13.80	149	89453	8.347	ng	97
88) Benzo(b)fluoranthene	14.84	252	49326m	2.647	ng	
90) Benzo(a)pyrene	15.18	252	33954	2.050	ng	# 93

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

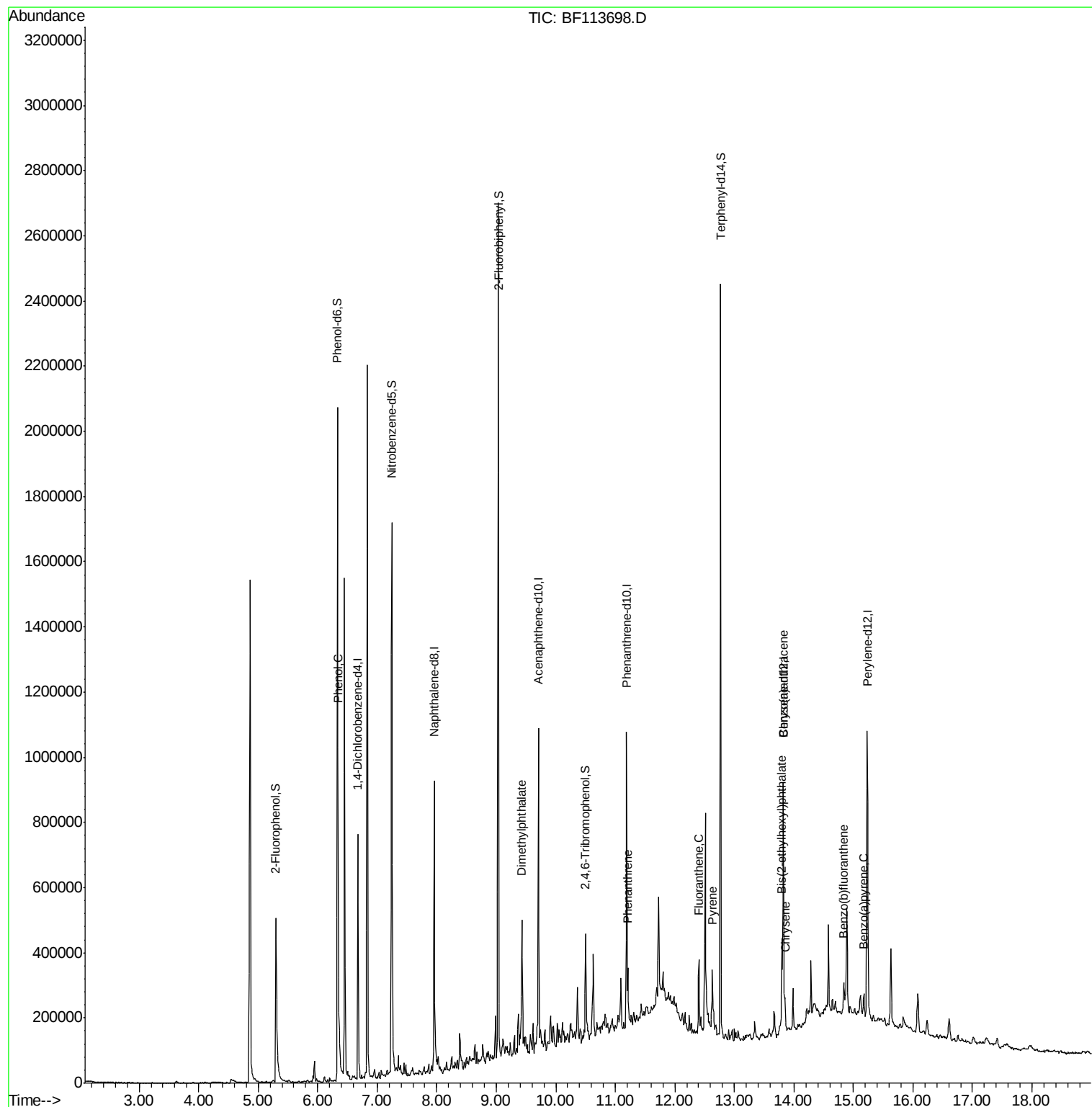
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
Data File : BF113698.D
Acq On : 10 Apr 2019 16:00
Operator : JU/SJ
Sample : K2316-06RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

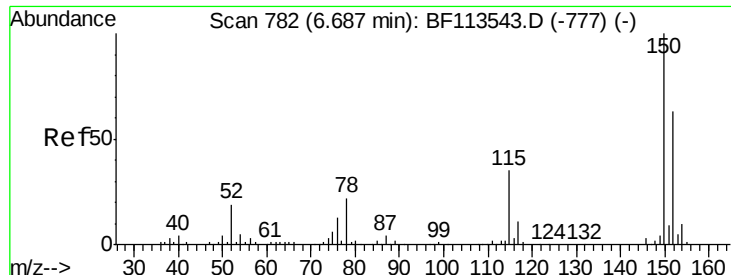
Instrument :
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ClientSampleId :
20190174-AMND-COMP-CS-1RE

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#1

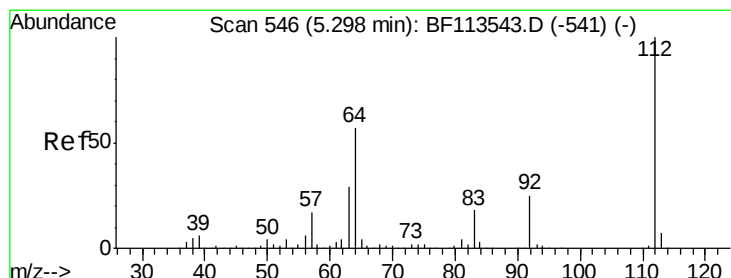
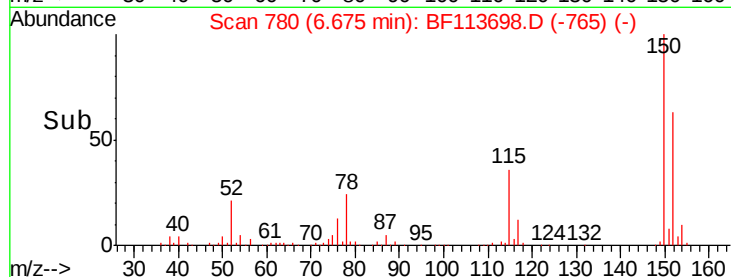
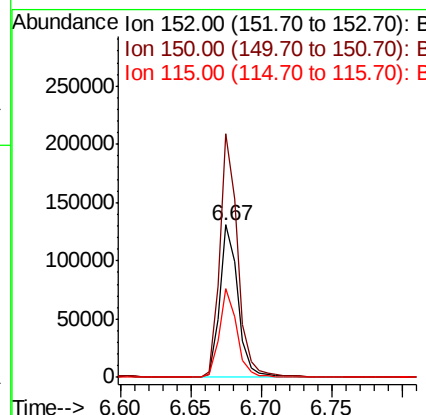
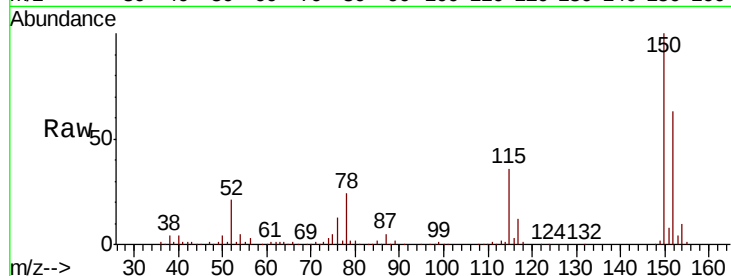
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
20190174-AMND-COMP-CS-1RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.7	187.1
115	58.0	46.0	69.0

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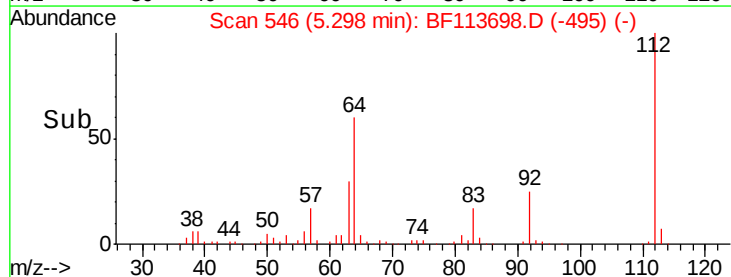
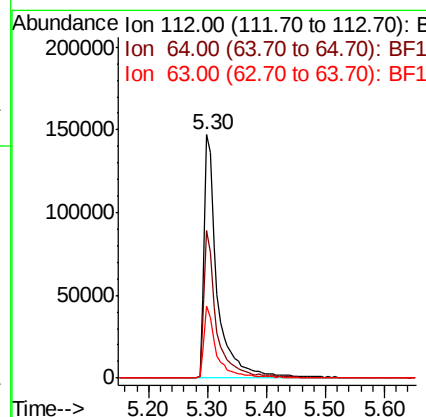
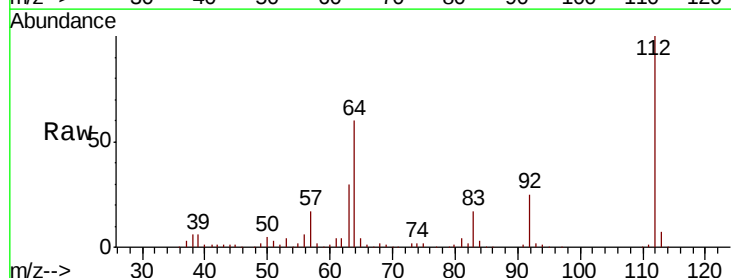
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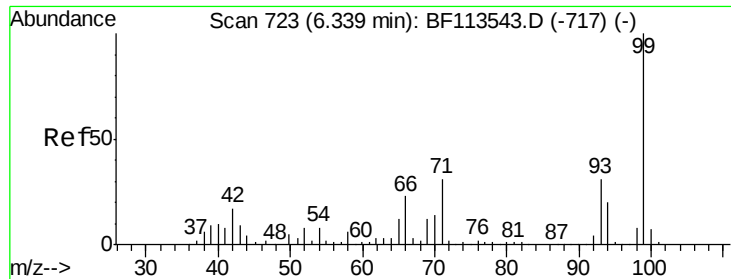


#5

2-Fluorophenol
Concen: 32.720 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	49.2	73.8
63	29.9	24.9	37.3





#7

Phenol-d6

Concen: 98.969 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Instrument :

BNA_F

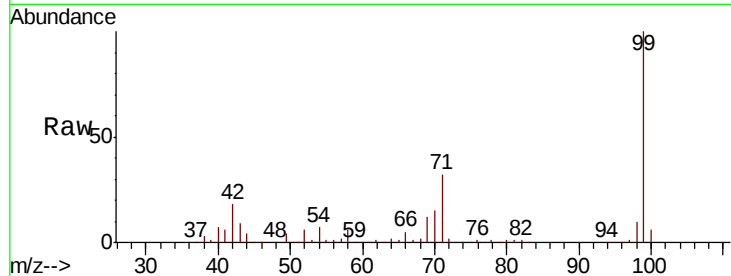
ClientSampleId :

20190174-AMND-COMP-CS-1RE

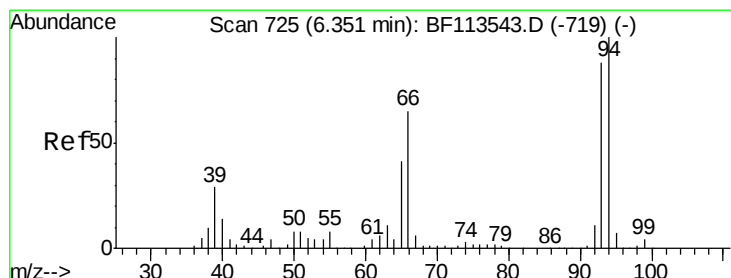
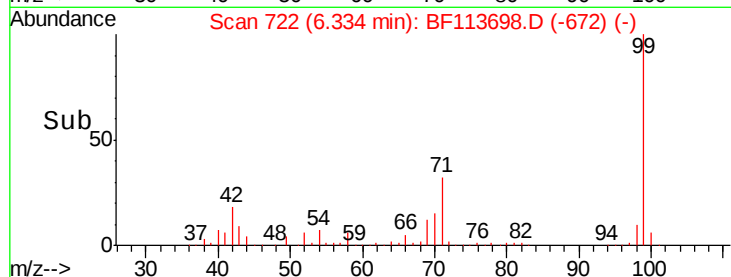
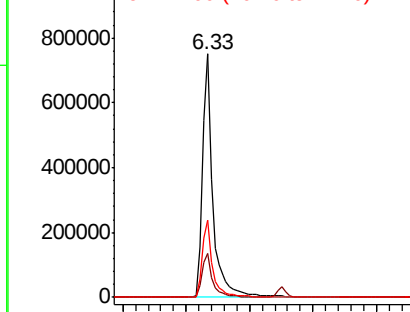
Tot Ion:	99	Resp:	843364
Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.8	22.2
71	31.7	24.9	37.3

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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: 2.360 ng

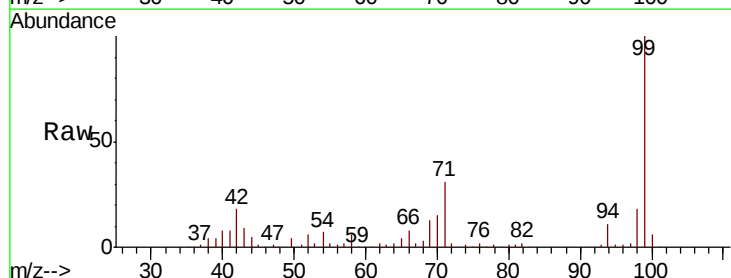
RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

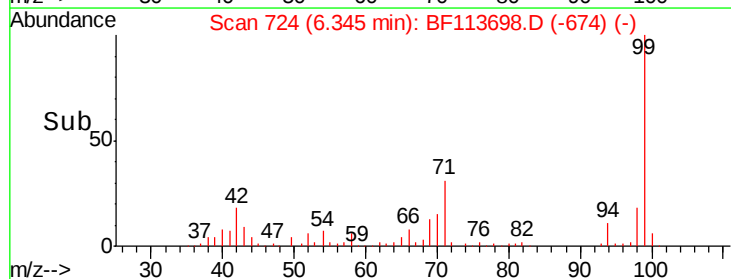
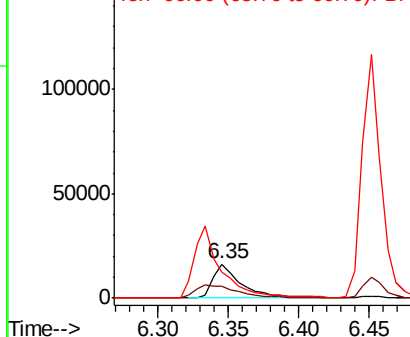
Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Tgt Ion:	94	Resp:	22967
Ion	Ratio	Lower	Upper
94	100		
65	35.7	21.4	61.4
66	74.9	46.4	86.4



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





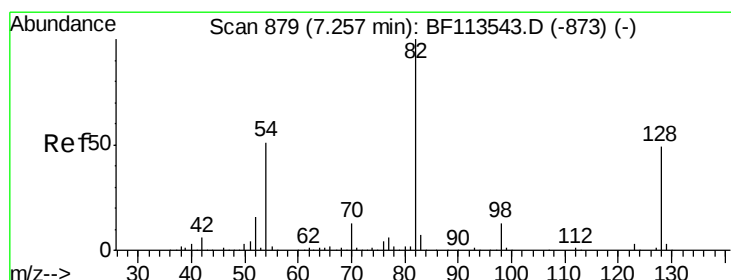
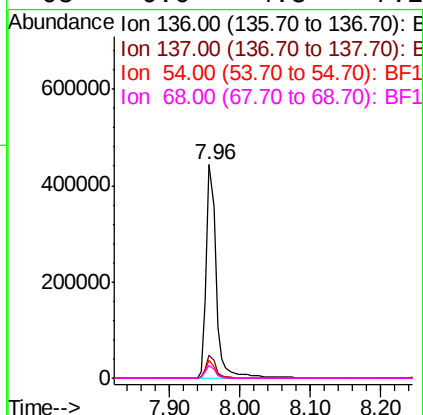
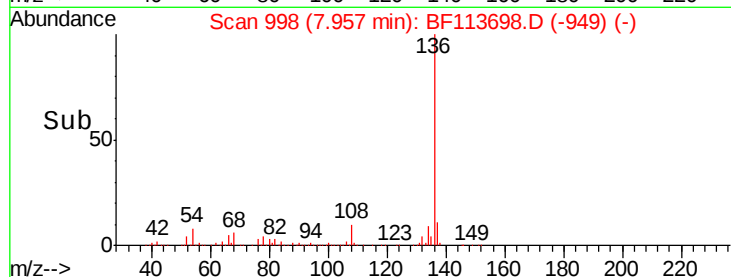
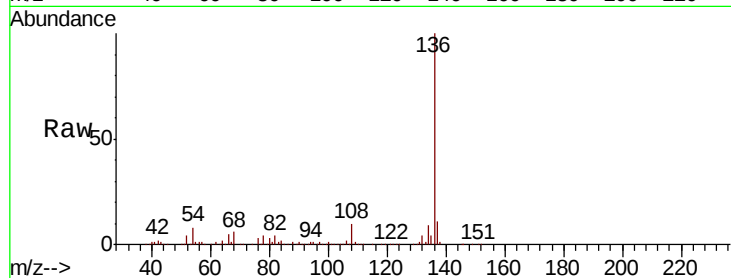
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
20190174-AMND-COMP-CS-1RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		435066		
137	10.8	8.9	13.3		
54	8.4	7.0	10.6		
68	6.0	4.8	7.2		

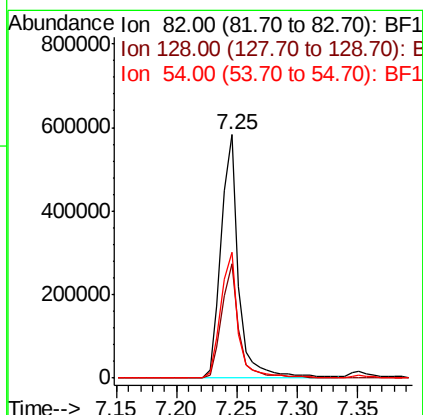
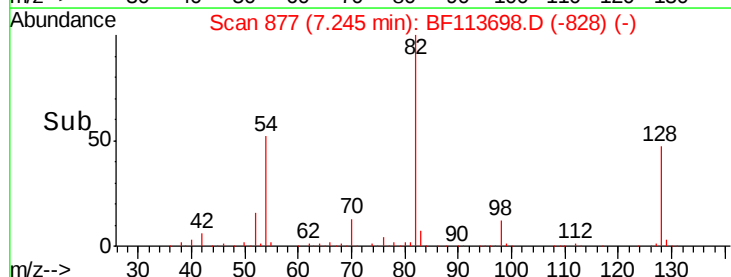
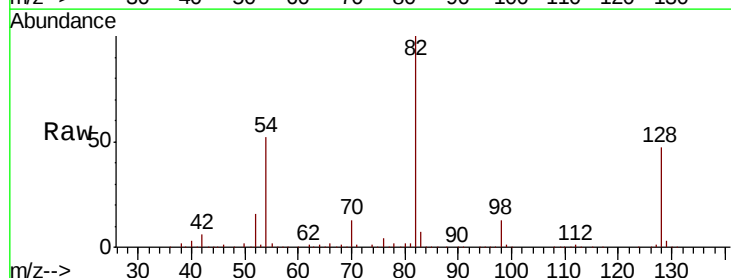
Manual Integrations
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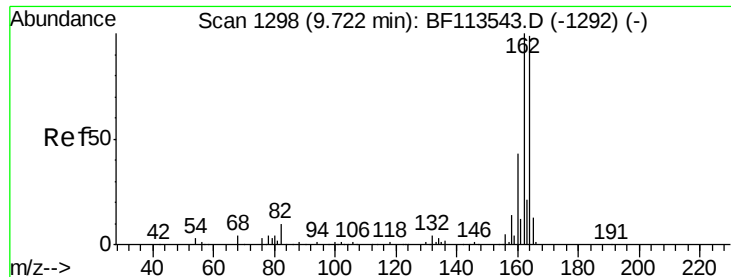
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#23
Nitrobenzene-d5
Concen: 79.004 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		586798		
128	47.1	36.5	54.7		
54	51.8	42.2	63.2		





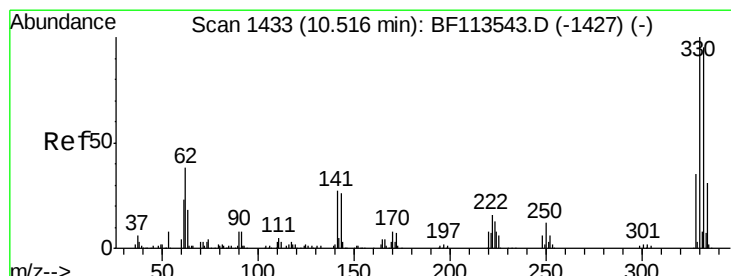
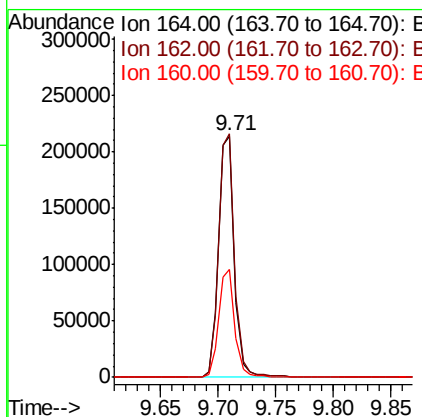
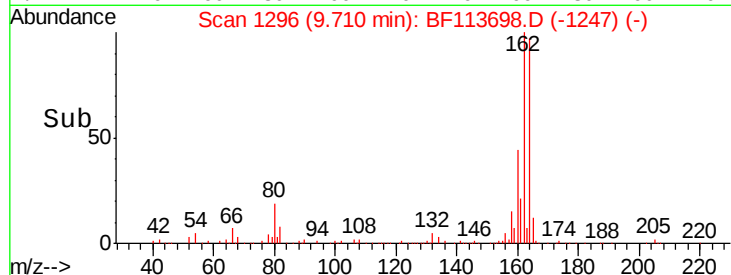
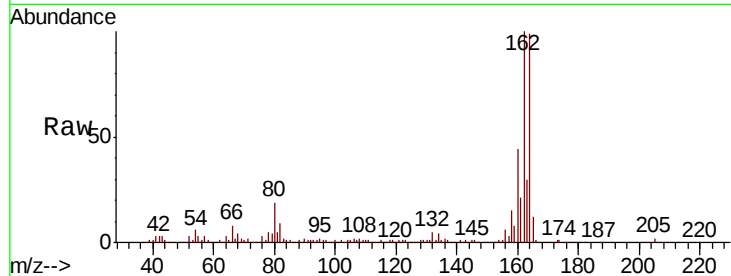
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: BF113698.D
 Acq: 10 Apr 2019 16:00

Instrument :
 BNA_F
 ClientSampleId :
 20190174-AMND-COMP-CS-1RE

Tot Ion:	164	Resp:	204138
Ion Ratio	Lower	Upper	
164	100		
162	101.0	81.8	122.6
160	44.8	36.4	54.6

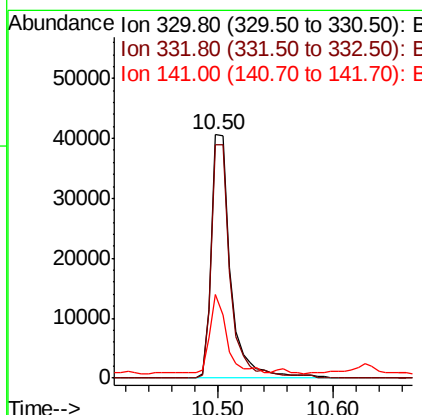
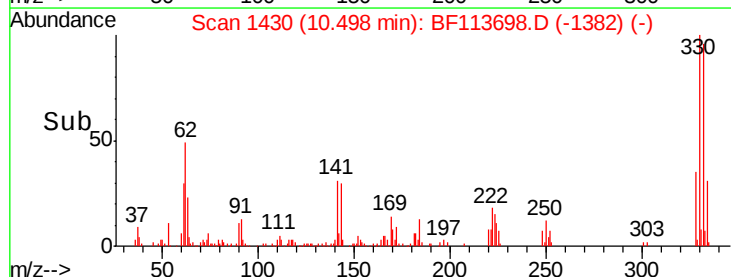
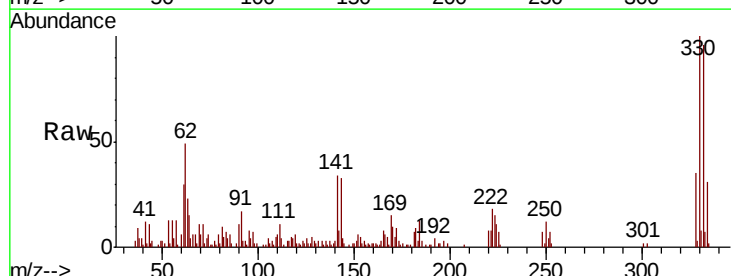
Manual Integrations
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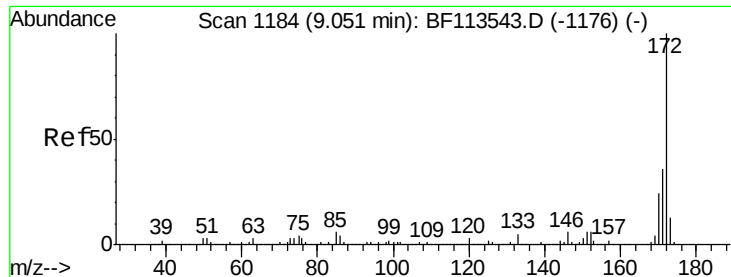
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#42
 2,4,6-Tribromophenol
 Concen: 19.211 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113698.D
 Acq: 10 Apr 2019 16:00

Tgt Ion:	330	Resp:	47109
Ion Ratio	Lower	Upper	
330	100		
332	94.6	77.8	116.6
141	29.0	22.7	34.1





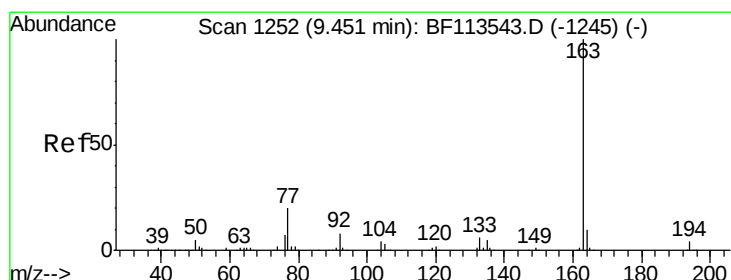
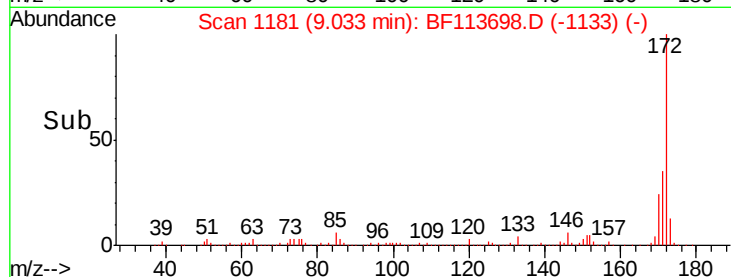
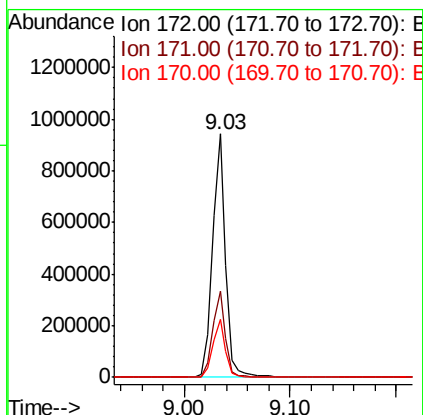
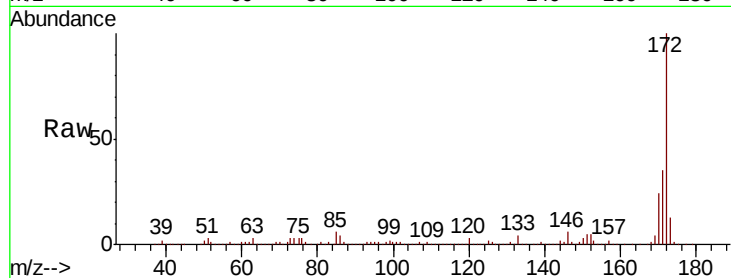
#45
2-Fluorobiphenyl
Concen: 65.188 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
20190174-AMND-COMP-CS-1RE

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.6
170	24.0	19.5	29.3

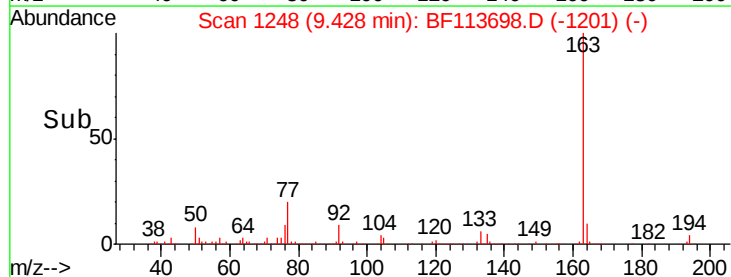
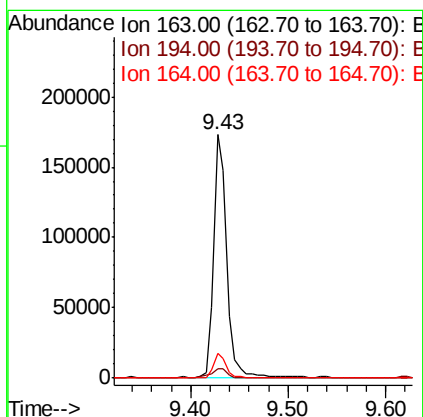
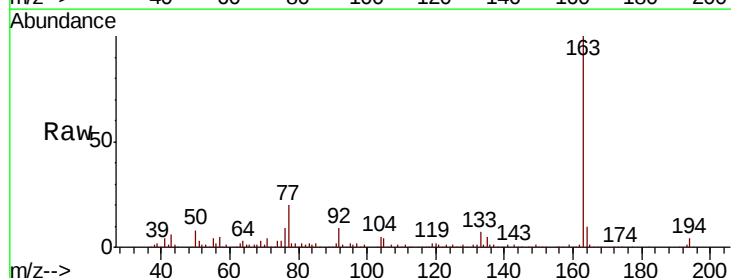
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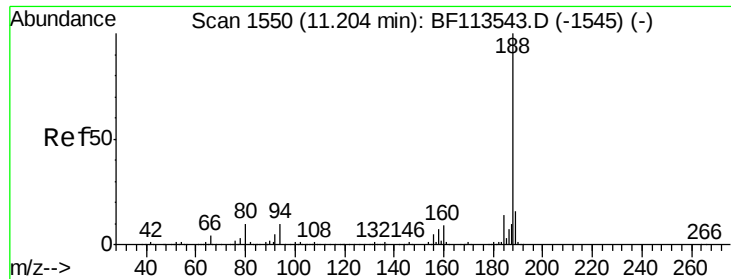
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#50
Dimethylphthalate
Concen: 10.561 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.1	8.1	12.1





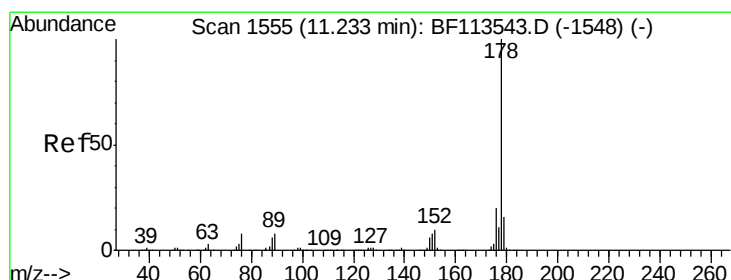
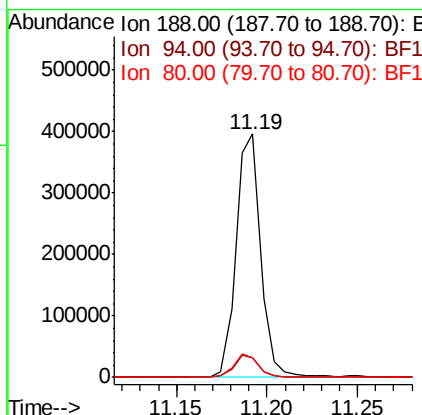
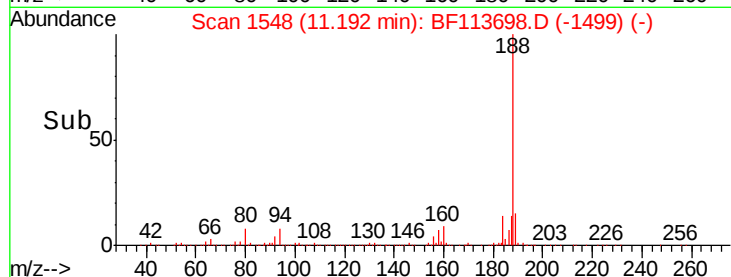
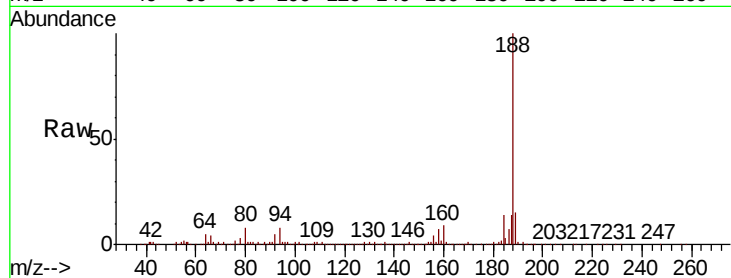
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
20190174-AMND-COMP-CS-1RE

Tot Ion:	188	Resp:	373033
Ion Ratio	Lower	Upper	
188	100		
94	8.2	7.0	10.6
80	8.0	7.7	11.5

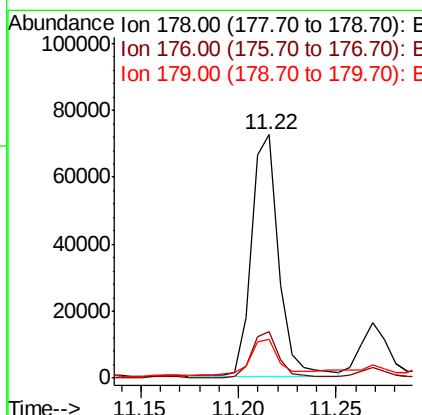
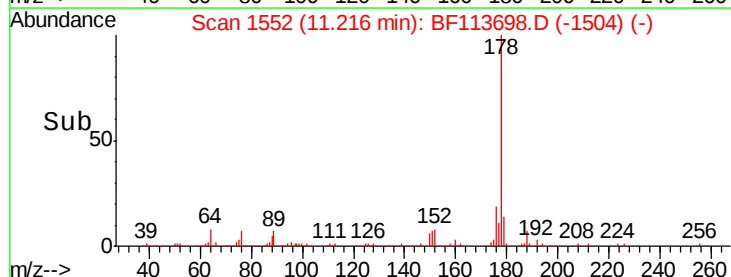
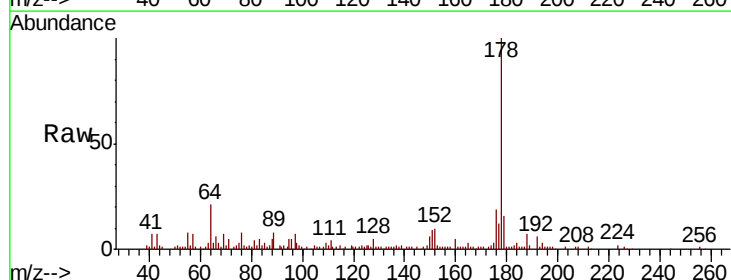
Manual Integrations
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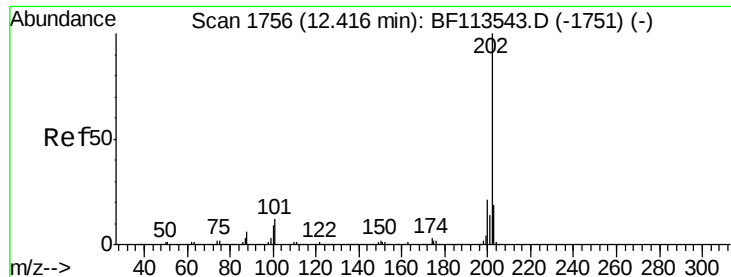
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#71
Phenanthrene
Concen: 3.748 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Tgt Ion:	178	Resp:	69468
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.2	24.2
179	15.8	12.7	19.1





#75

Fluoranthene

Concen: 4.958 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Instrument :

BNA_F

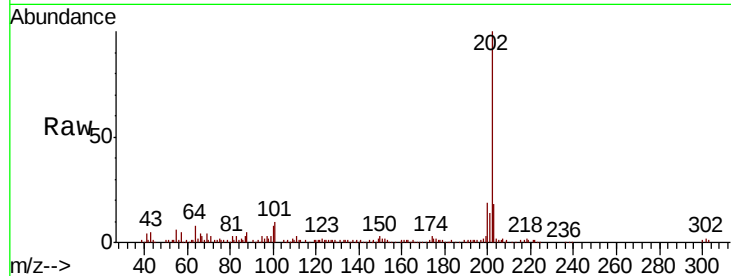
ClientSampleId :

20190174-AMND-COMP-CS-1RE

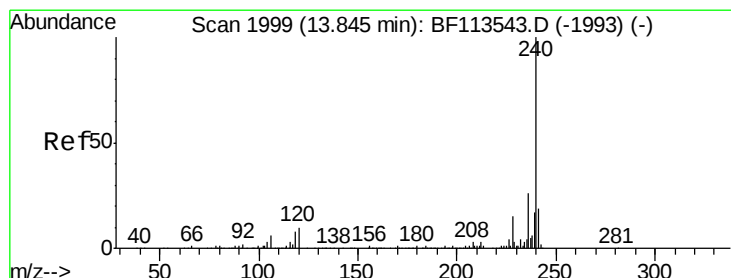
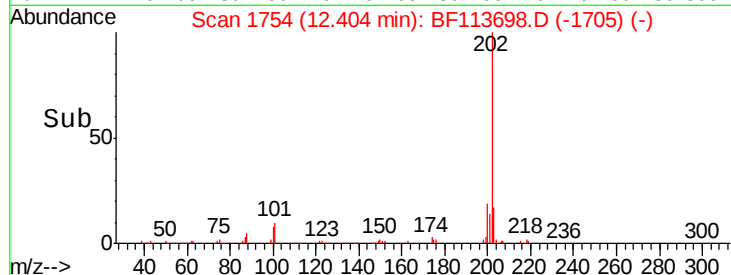
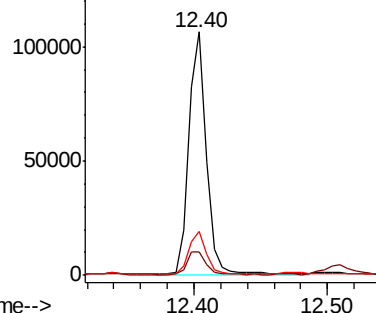
Tot Ion:	202	Resp:	98476
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	31.4
203	17.9	0.0	38.0

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
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: 13.83 min Scan# 1996

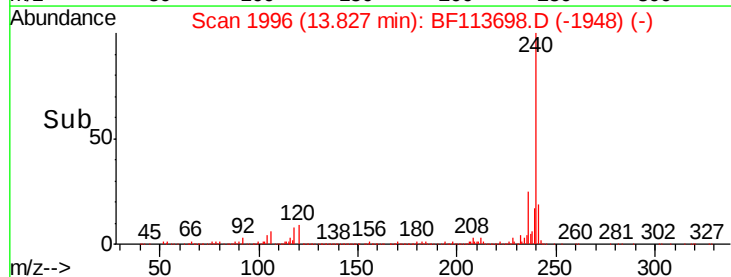
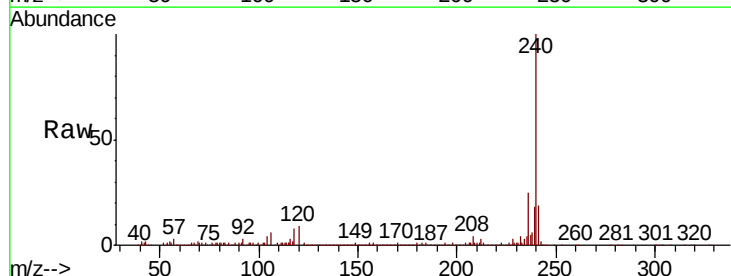
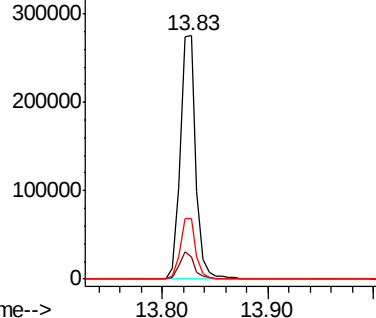
Delta R.T. -0.02 min

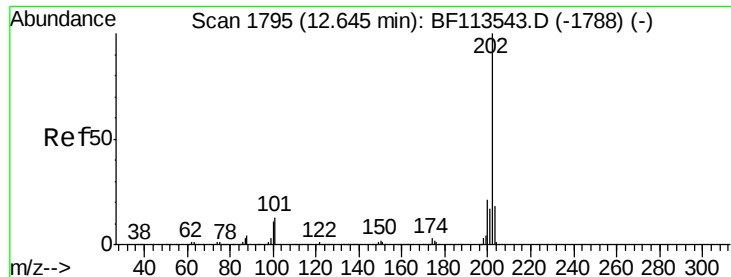
Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Tgt Ion:	240	Resp:	286175
Ion Ratio	Lower	Upper	
240	100		
120	9.1	8.8	13.2
236	25.1	20.9	31.3

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





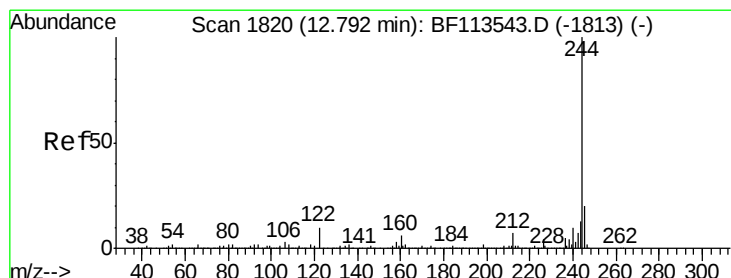
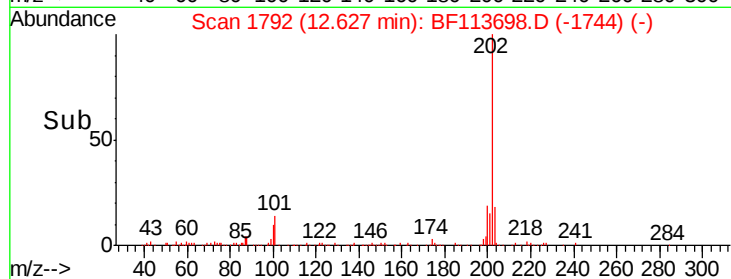
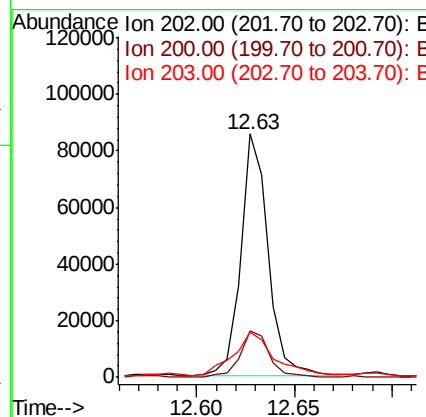
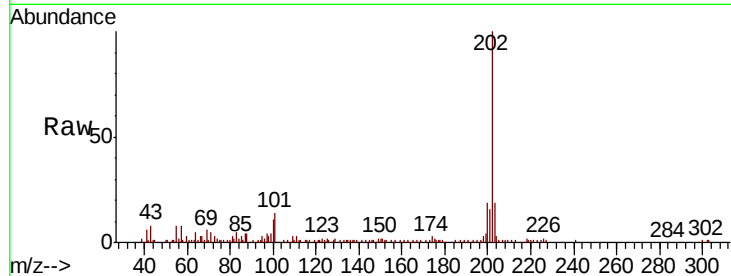
#78
Pvrene
Concen: 3.827 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
20190174-AMND-COMP-CS-1RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.8	25.2
203	18.5	14.4	21.6

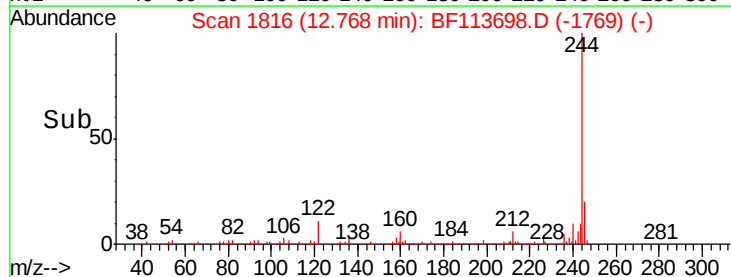
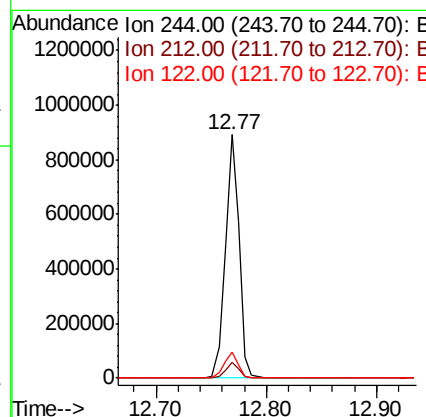
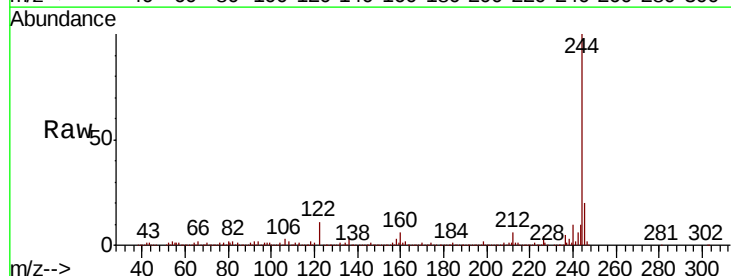
Manual Integrations
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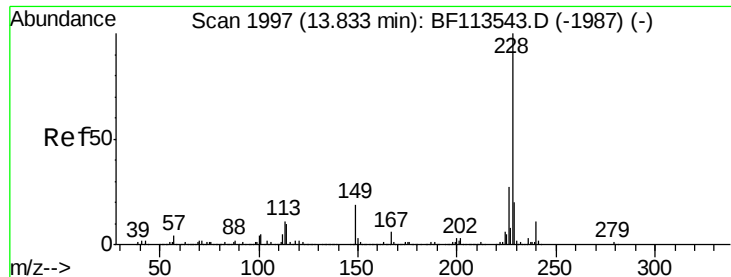
Sohil
4/11/2019 2:39:36 PM



#79
Terphenyl-d14
Concen: 55.050 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.5	8.3
122	10.9	8.6	13.0





#81

Benzo(a)anthracene

Concen: 2.237 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Instrument :

BNA_F

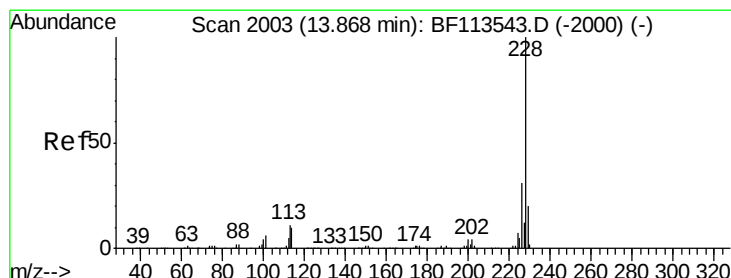
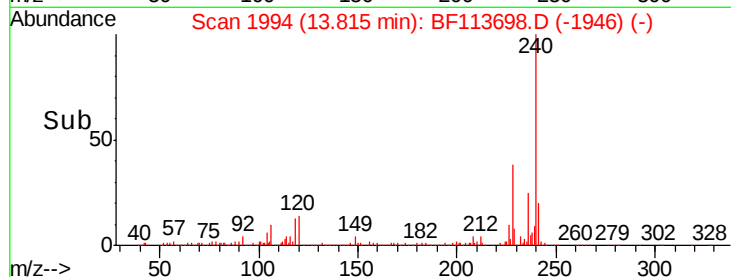
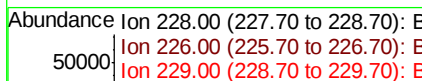
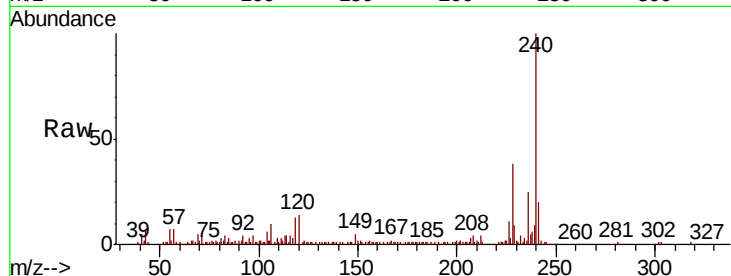
ClientSampleId :

20190174-AMND-COMP-CS-1RE

Tot Ion:	228	Resp:	36930
Ion Ratio	Lower	Upper	
228	100		
226	28.1	21.8	32.8
229	22.7	16.2	24.4

Manual Integrations
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Sohil
4/11/2019 2:39:36 PM



#83

Chrysene

Concen: 2.259 ng

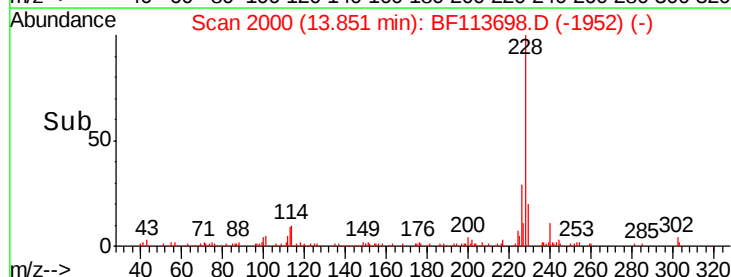
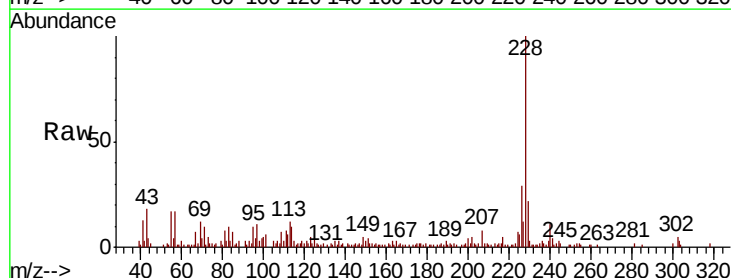
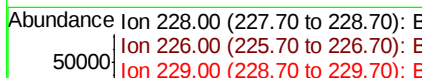
RT: 13.85 min Scan# 2000

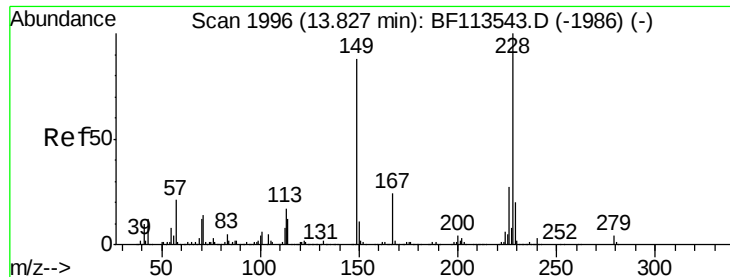
Delta R.T. -0.02 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Tgt Ion:	228	Resp:	37798
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.3	36.5
229	22.3	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.347 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.03 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Instrument :

BNA_F

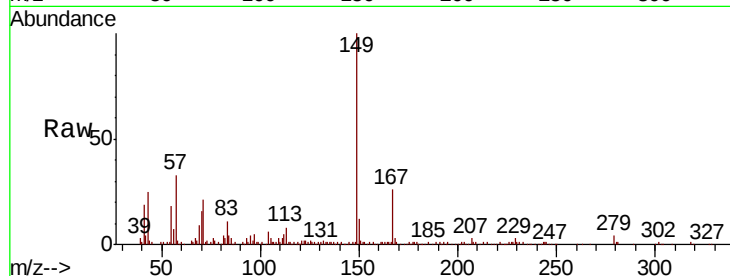
ClientSampleId :

20190174-AMND-COMP-CS-1RE

Tot Ion:	149	Resp:	89453
Ion Ratio	Lower	Upper	
149	100		
167	25.7	21.8	32.8
279	4.0	2.9	4.3

Manual Integrations
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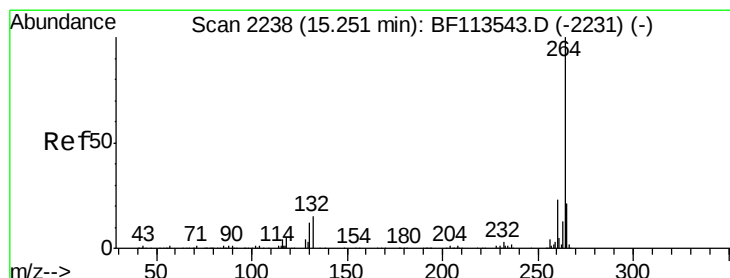
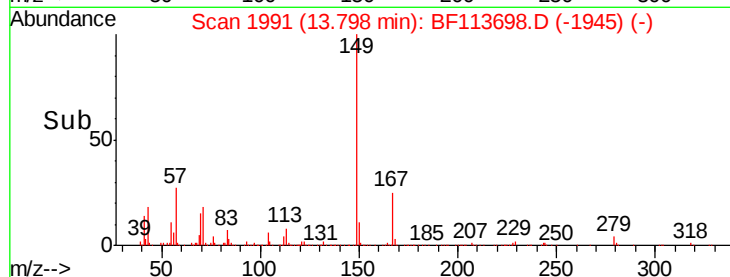
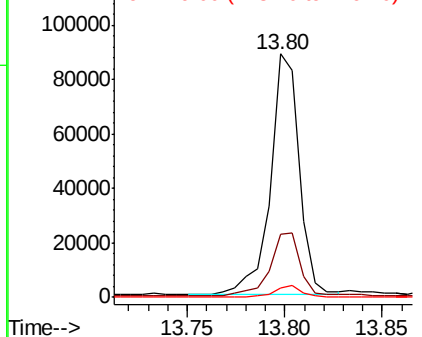


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

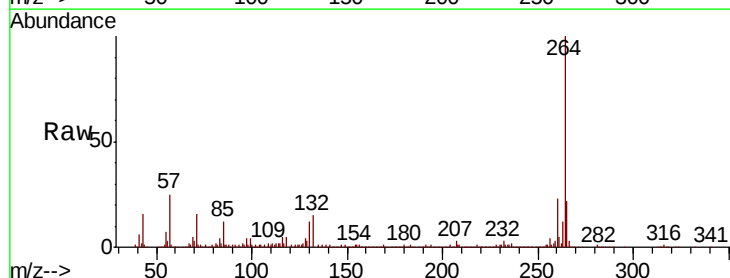
RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Tgt Ion:	264	Resp:	304469
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.1	28.7
265	21.9	17.1	25.7

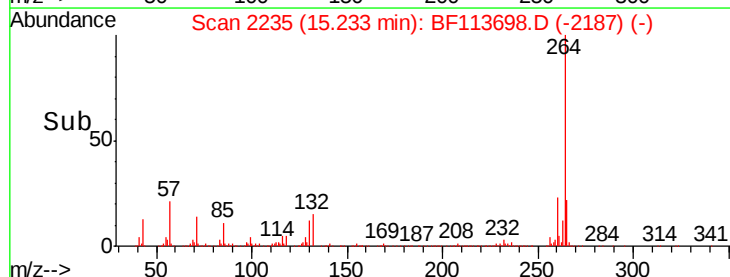
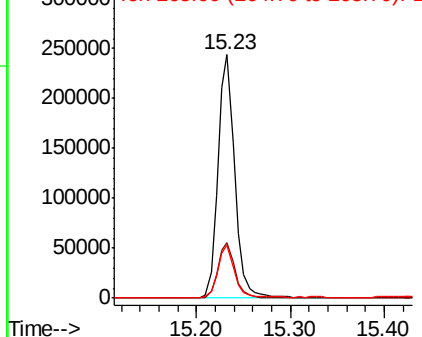


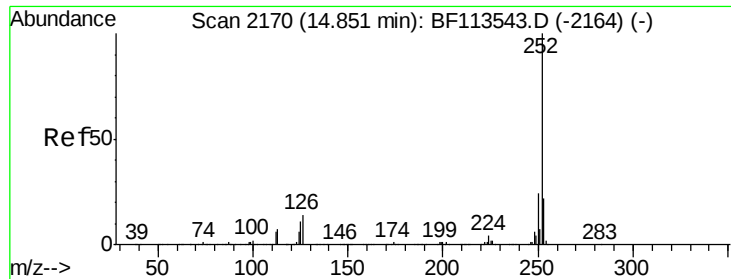
Abundance

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





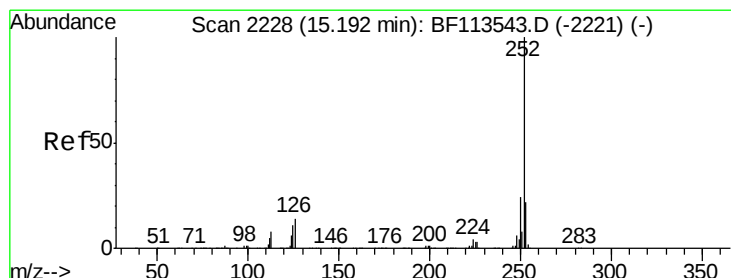
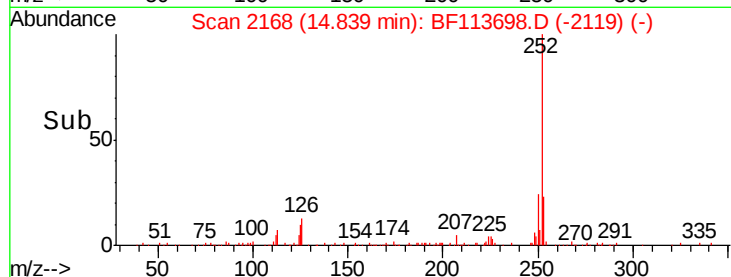
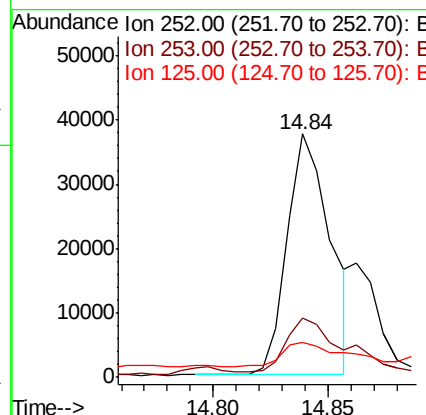
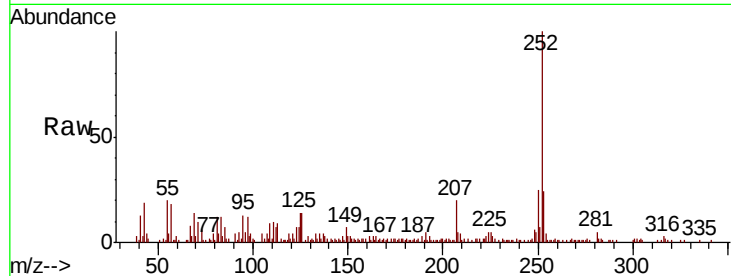
#88
Benzo(b)fluoranthene
Concen: 2.647 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Instrument :
BNA_F
ClientSampleId :
20190174-AMND-COMP-CS-1RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	14.3	7.6	11.4

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4/11/2019 2:39:36 PM



#90
Benzo(a)pyrene
Concen: 2.050 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	16.4	8.8	13.2

