

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
 Data File : BF113096.D
 Acq On : 18 Mar 2019 17:54
 Operator : JU/SJ
 Sample : K1697-11 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-031519-B

Manual Integrations
 APPROVED

Sohil
 3/20/2019 6:46:15 PM

Quant Time: Mar 20 03:54:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	144584	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	626687	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	269025	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	481610	20.00	ng	0.00
76) Chrysene-d12	13.87	240	450829	20.00	ng	0.00
87) Perylene-d12	15.28	264	436759	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	197420	21.24	ng	0.00
7) Phenol-d6	6.37	99	281724	24.13	ng	0.00
23) Nitrobenzene-d5	7.29	82	172581	16.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	71207	24.93	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	352342	16.91	ng	-0.01
79) Terphenyl-d14	12.82	244	320280	13.77	ng	0.00
Target Compounds						
52) Acenaphthene	9.79	154	41475	2.438	ng	99
55) Dibenzofuran	9.96	168	53433	2.161	ng	# 98
58) Fluorene	10.30	166	84380	4.809	ng	97
71) Phenanthrene	11.26	178	546549	22.809	ng	98
72) Anthracene	11.32	178	175590	7.000	ng	97
75) Fluoranthene	12.44	202	620180	24.157	ng	96
78) Pyrene	12.67	202	532220	14.004	ng	99
81) Benzo(a)anthracene	13.86	228	320407	10.254	ng	98
83) Chrysene	13.89	228	246513	8.054	ng	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	95472m	3.659	ng	
88) Benzo(b)fluoranthene	14.87	252	294158m	10.412	ng	
89) Benzo(k)fluoranthene	14.90	252	109801m	4.291	ng	
90) Benzo(a)pyrene	15.22	252	209382	8.379	ng	98
92) Benzo(a,h,i)perylene	17.05	276	82127	3.836	ng	95

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

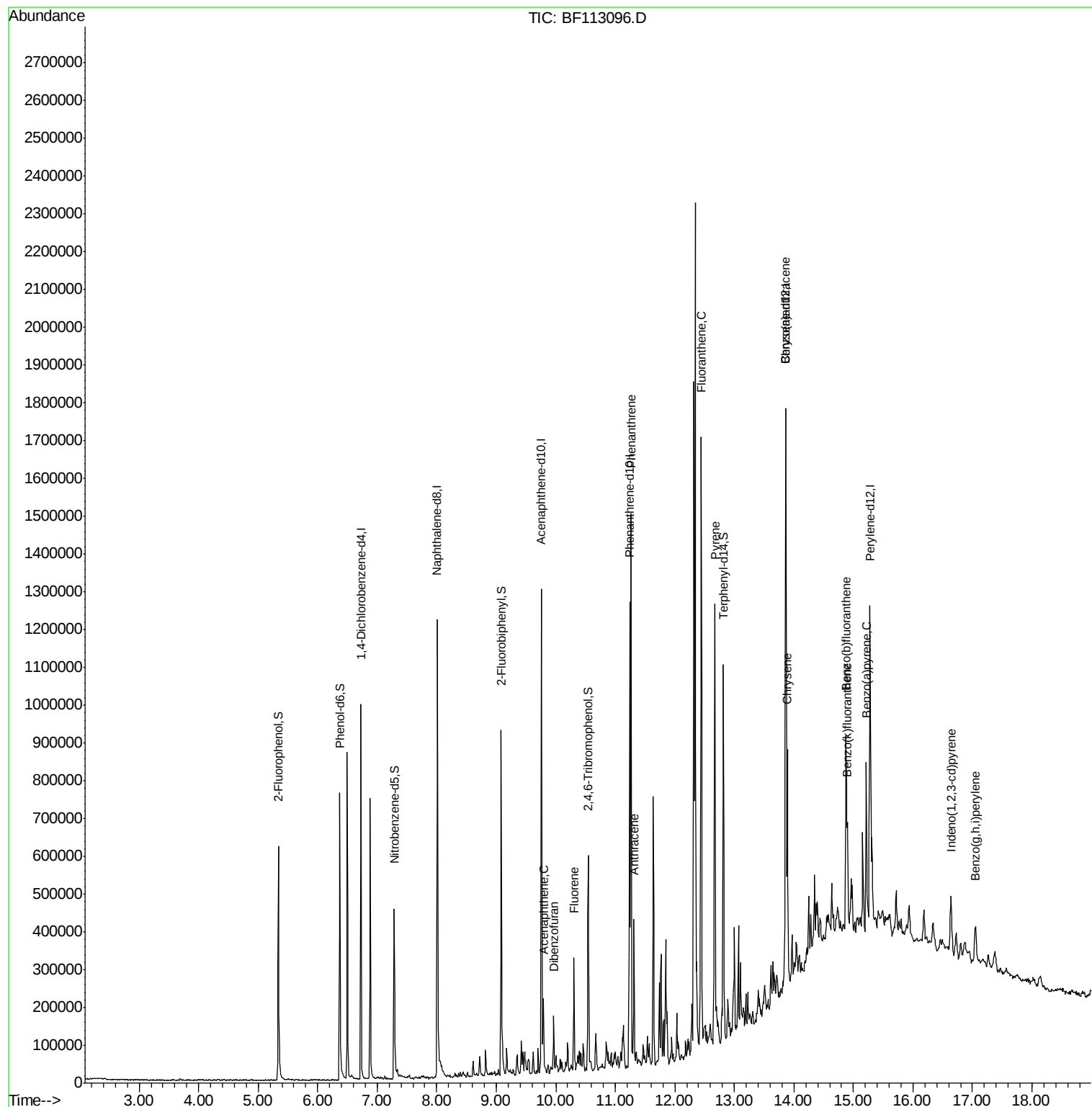
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113096.D
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Sample : K1697-11 5X
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ALS Vial : 14 Sample Multiplier: 1

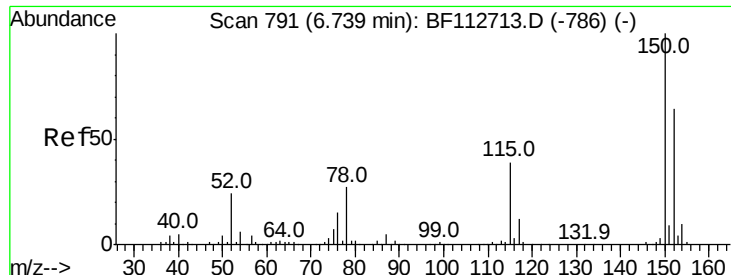
Instrument :
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#1

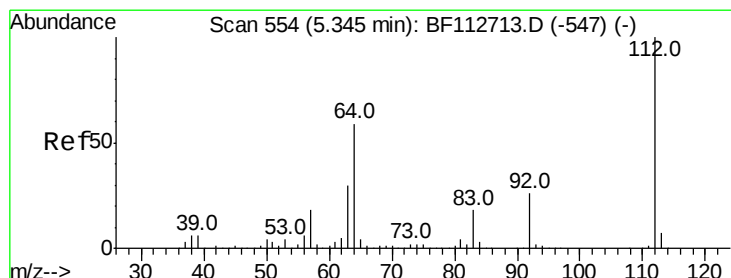
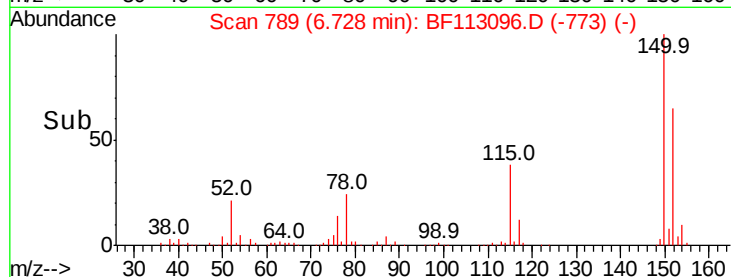
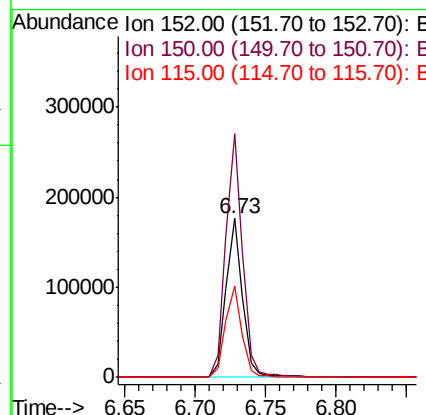
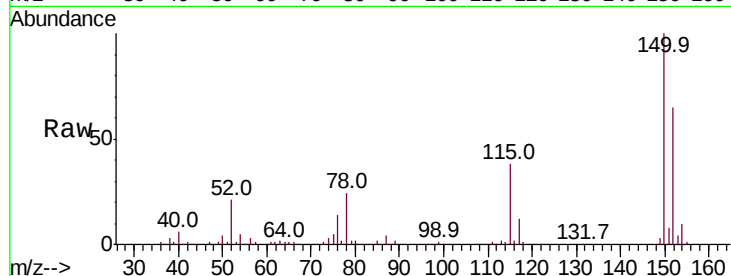
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Instrument :
BNA_F
ClientSampled :
SU-01-031519-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.2	186.2
115	57.5	48.2	72.4

Manual Integrations
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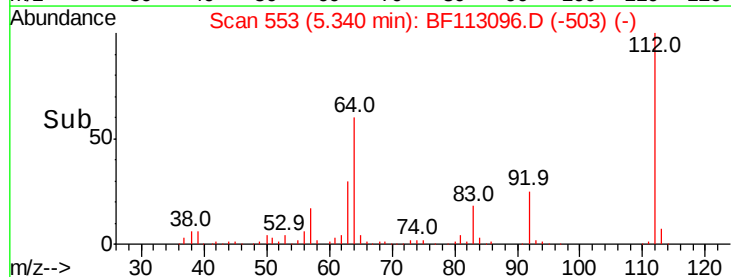
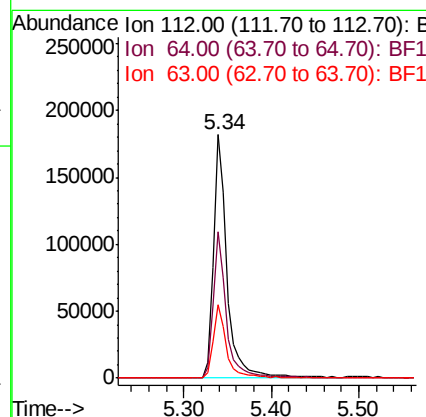
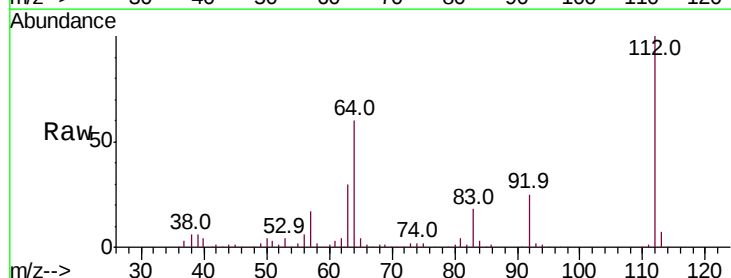
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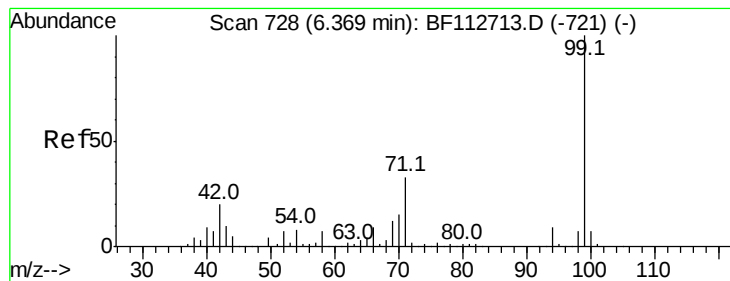


#5

2-Fluorophenol
Concen: 21.240 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	47.6	71.4
63	30.1	24.4	36.6





#7

Phenol-d6

Concen: 24.129 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113096.D

Acq: 18 Mar 2019 17:54

Instrument :

BNA_F

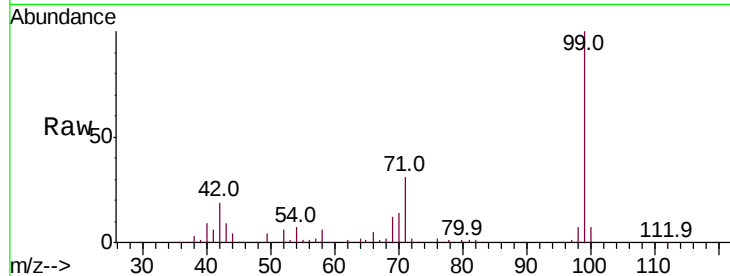
ClientSampleId :

SU-01-031519-B

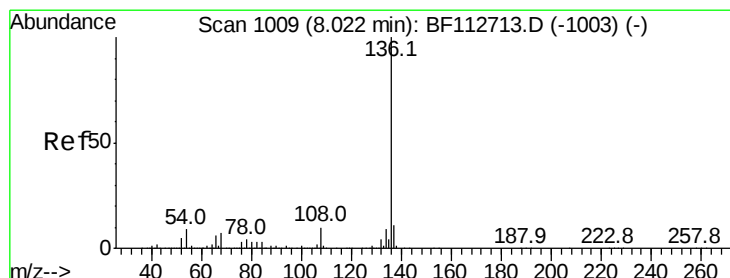
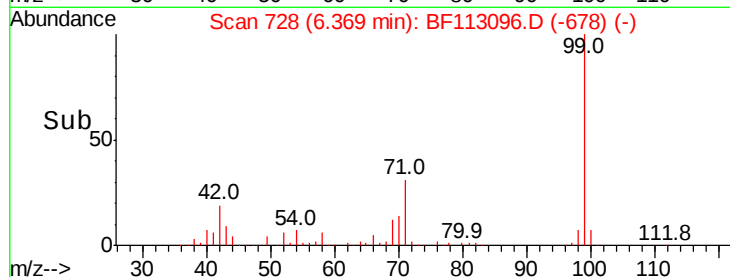
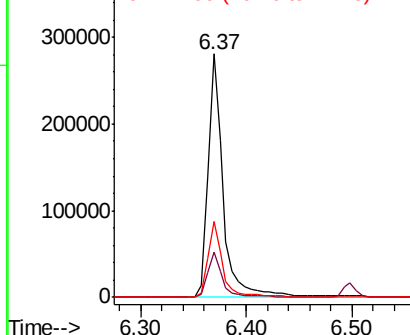
Tot Ion:	99	Resp:	281724
Ion Ratio	Lower	Upper	
99	100		
42	18.6	16.3	24.5
71	30.9	26.2	39.4

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

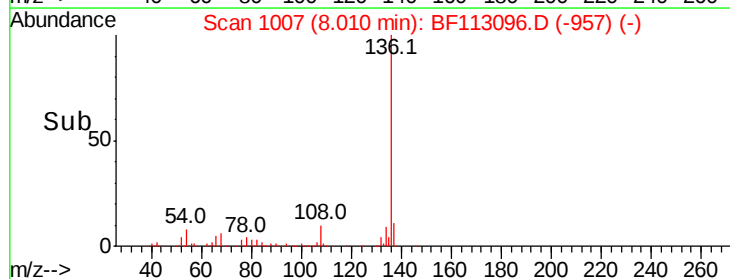
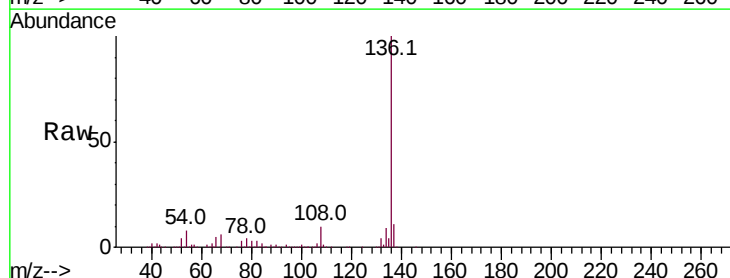
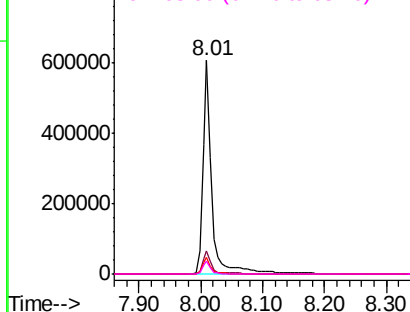
Delta R.T. -0.01 min

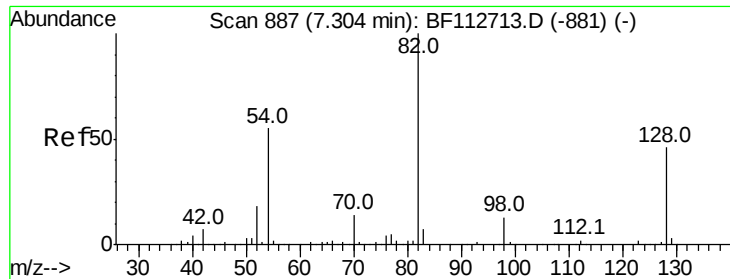
Lab File: BF113096.D

Acq: 18 Mar 2019 17:54

Tgt Ion:	136	Resp:	626687
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.8	7.3	10.9
68	5.7	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





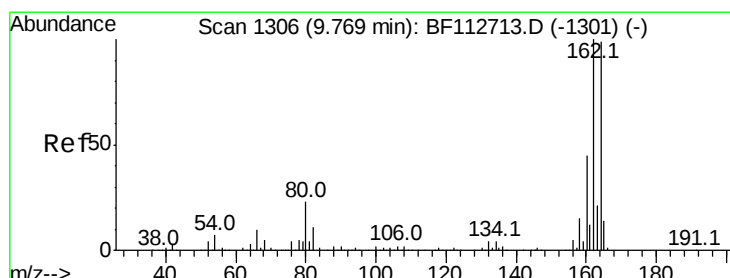
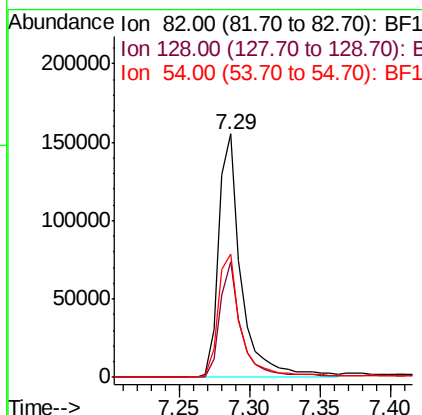
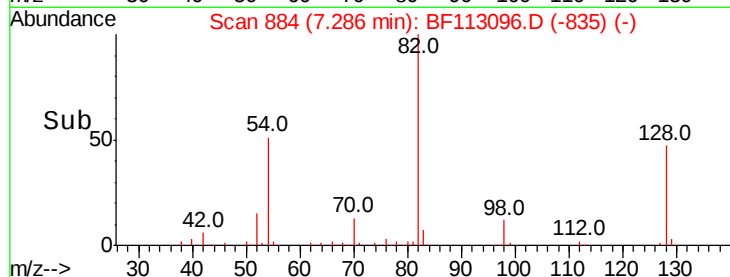
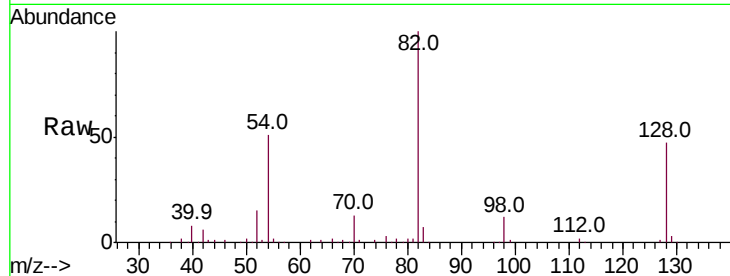
#23
Nitrobenzene-d5
Concen: 16.479 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Instrument :
BNA_F
ClientSampleId :
SU-01-031519-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.3	54.5
54	50.8	43.7	65.5

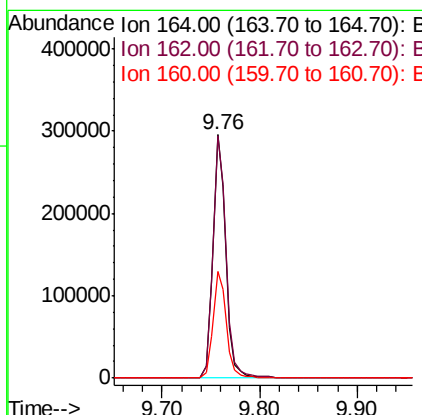
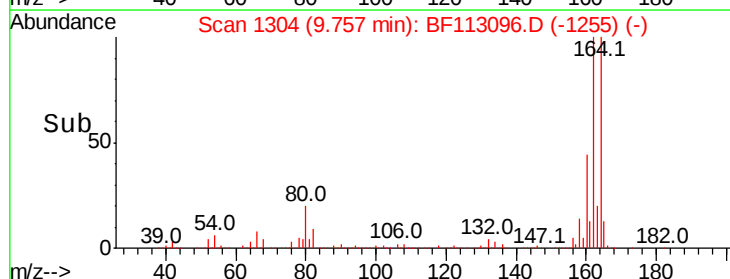
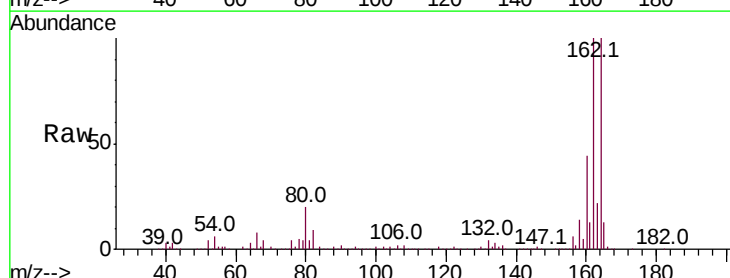
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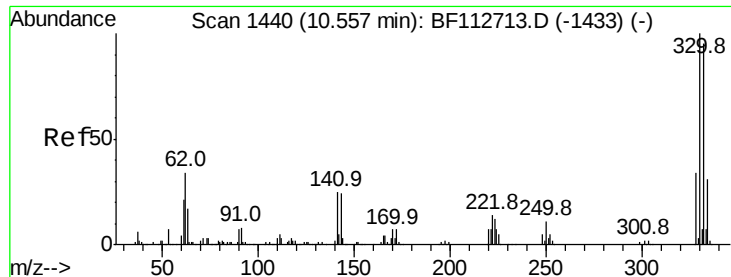
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.6	120.8
160	44.0	36.0	54.0





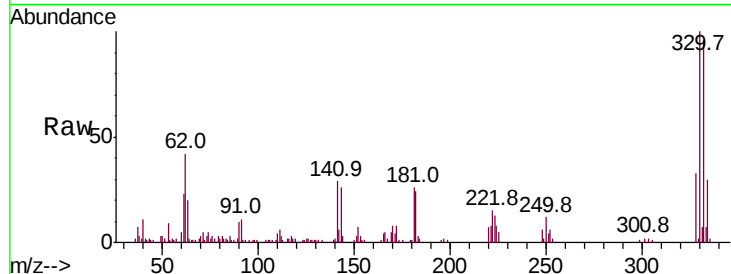
#42
 2,4,6-Tribromophenol
 Concen: 24.932 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113096.D
 Acq: 18 Mar 2019 17:54

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-031519-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.2	114.4
141	30.9	27.0	40.6

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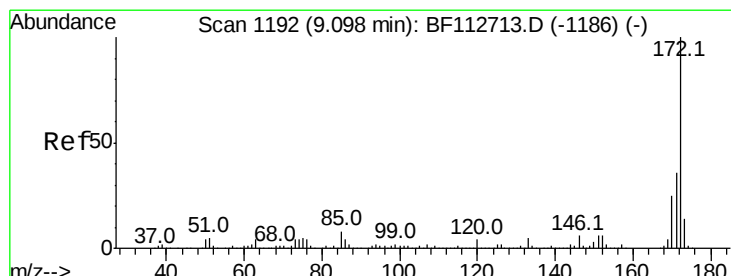
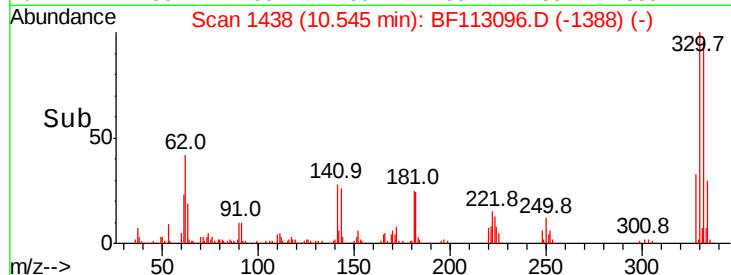
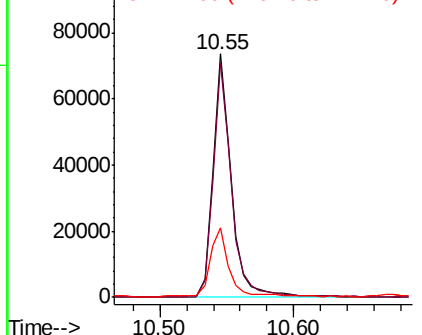


Abundance

Ion 329.80 (329.50 to 330.50): E

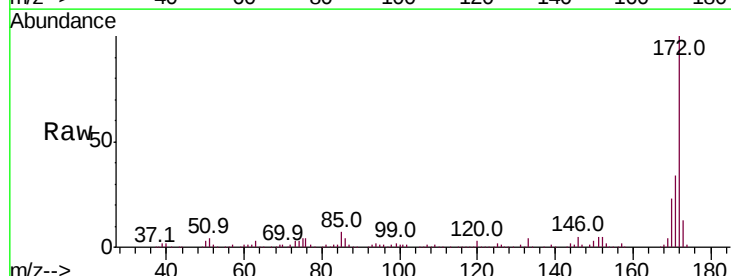
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 16.906 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113096.D
 Acq: 18 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	29.0	43.4
170	23.2	20.0	30.0

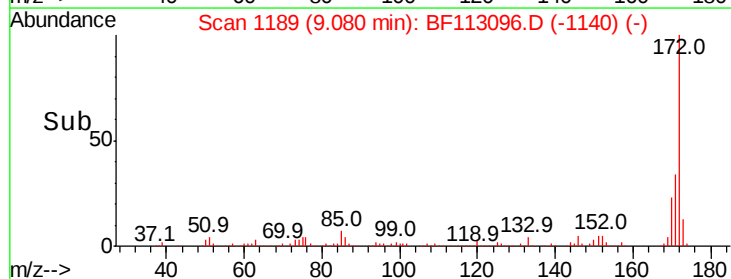
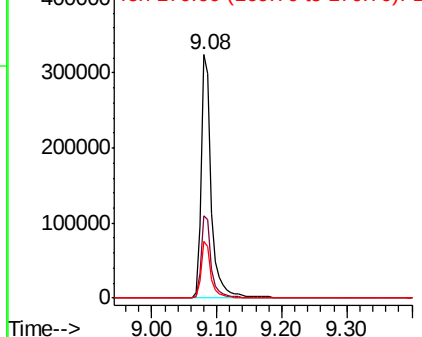


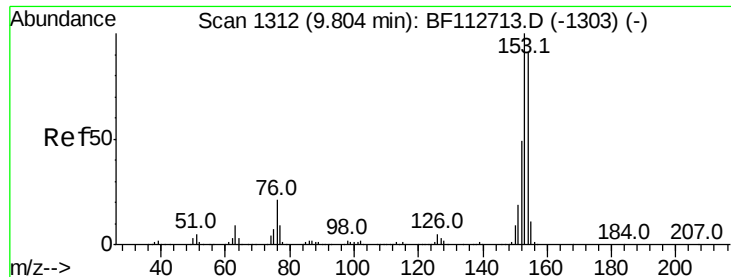
Abundance

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





#52

Acenaphthene

Concen: 2.438 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF113096.D

Acq: 18 Mar 2019 17:54

Instrument :

BNA_F

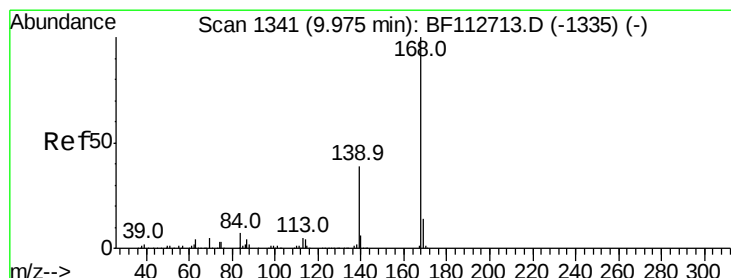
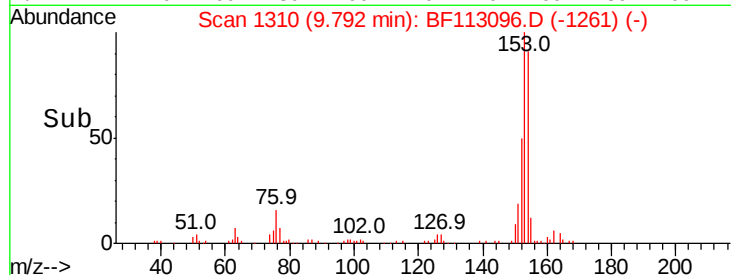
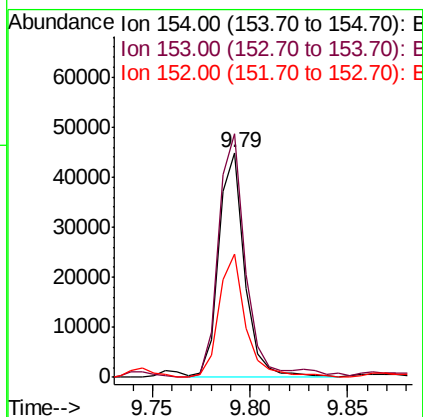
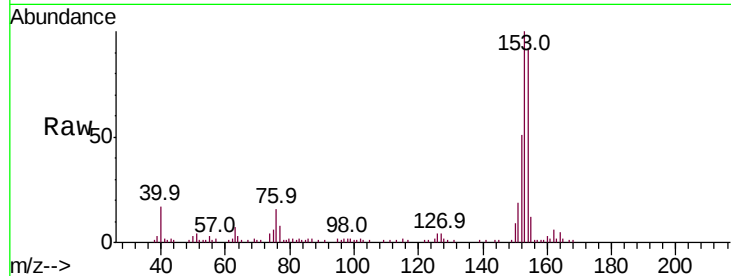
ClientSampleId :

SU-01-031519-B

Tot Ion:	154	Resp:	41475
Ion Ratio	Lower	Upper	
154	100		
153	108.5	87.8	131.8
152	55.0	43.0	64.6

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#55

Dibenzofuran

Concen: 2.161 ng

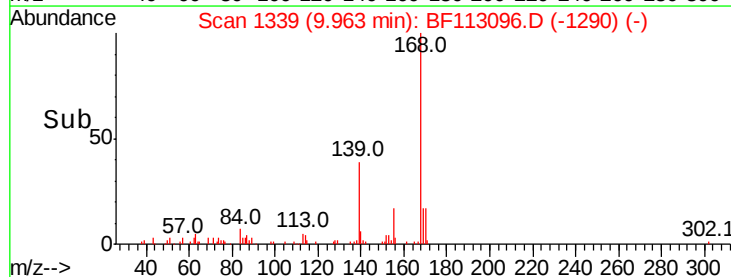
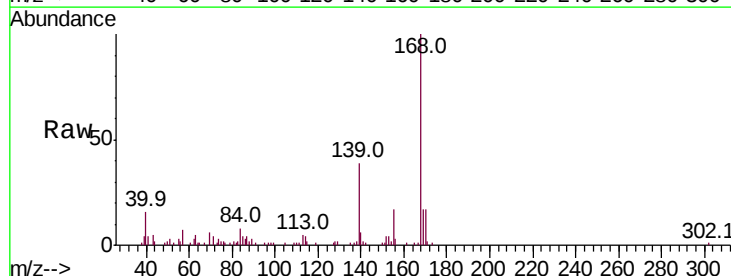
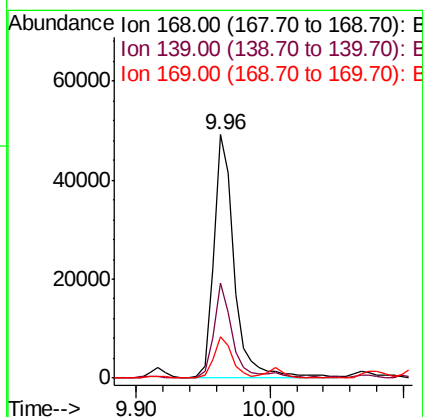
RT: 9.96 min Scan# 1339

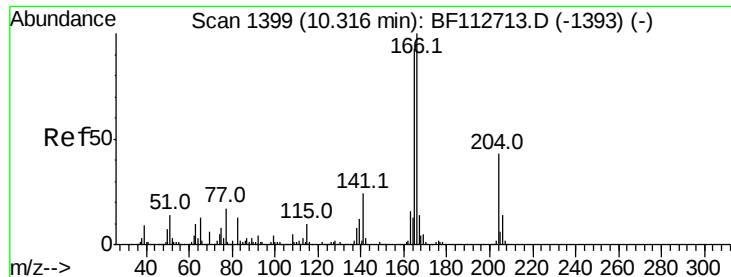
Delta R.T. -0.01 min

Lab File: BF113096.D

Acq: 18 Mar 2019 17:54

Tgt Ion:	168	Resp:	53433
Ion Ratio	Lower	Upper	
168	100		
139	39.1	31.3	46.9
169	16.9	11.3	16.9#





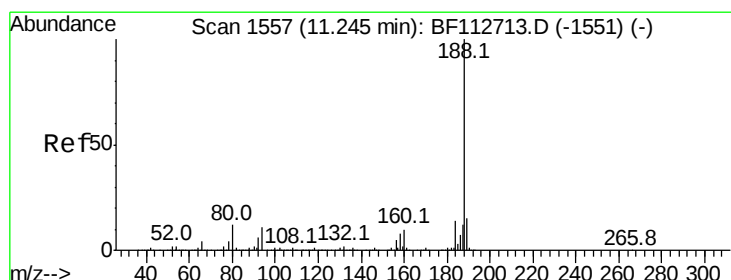
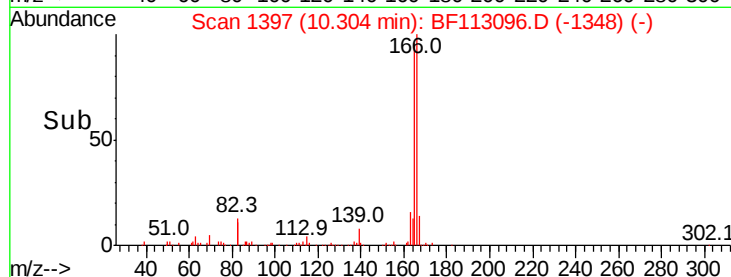
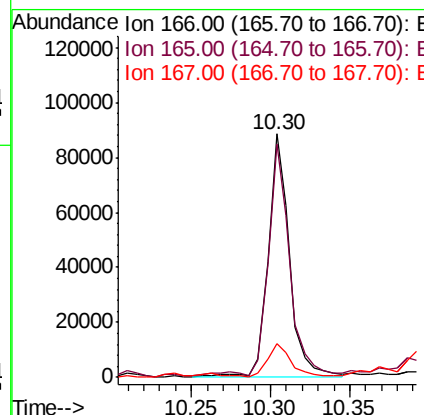
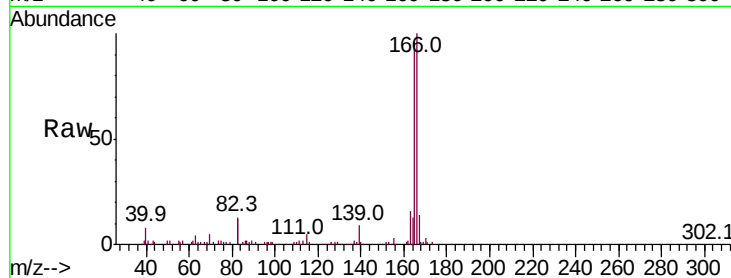
#58
Fluorene
Concen: 4.809 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Instrument :
BNA_F
ClientSampleId :
SU-01-031519-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.1	74.7	112.1
167	14.0	11.0	16.6

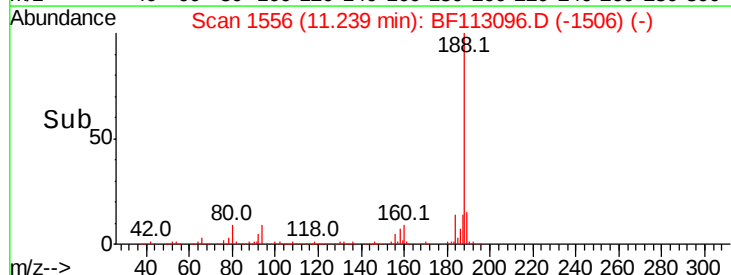
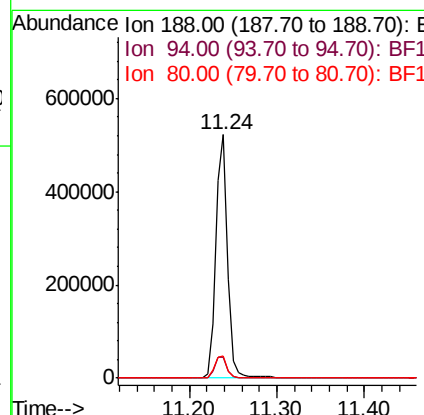
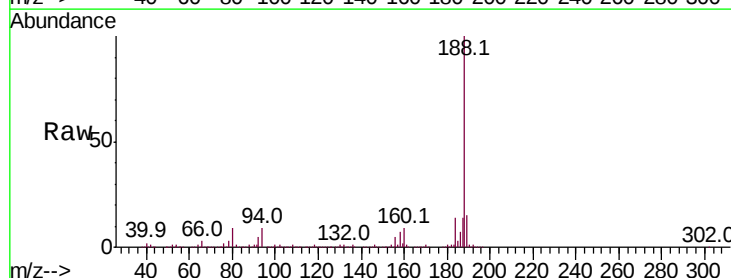
Manual Integrations
APPROVED

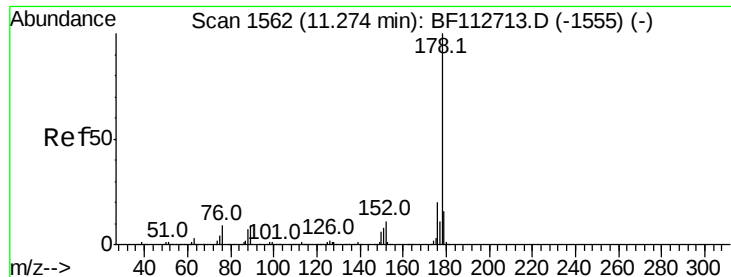
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	9.0	13.4#
80	8.9	9.2	13.8#





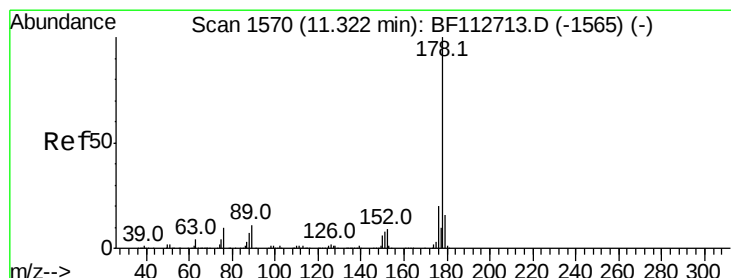
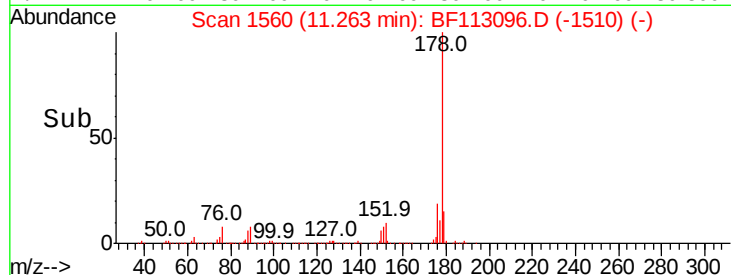
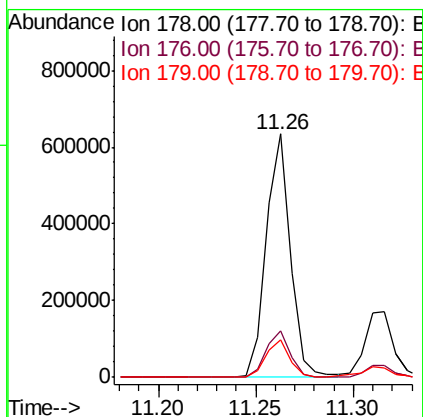
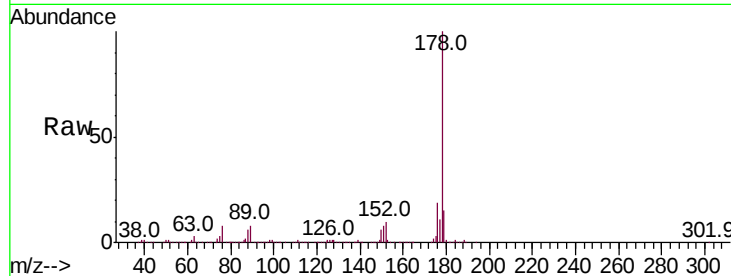
#71
Phenanthrene
Concen: 22.809 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Instrument :
BNA_F
ClientSampleId :
SU-01-031519-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.3	24.5
179	15.3	12.7	19.1

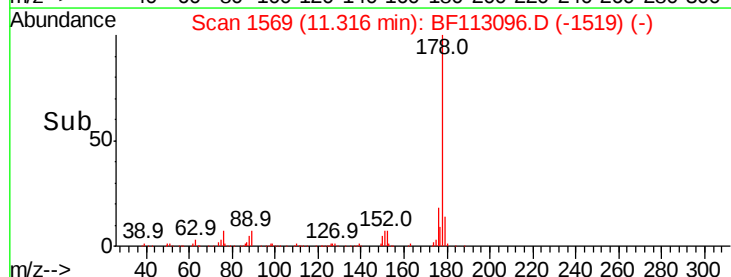
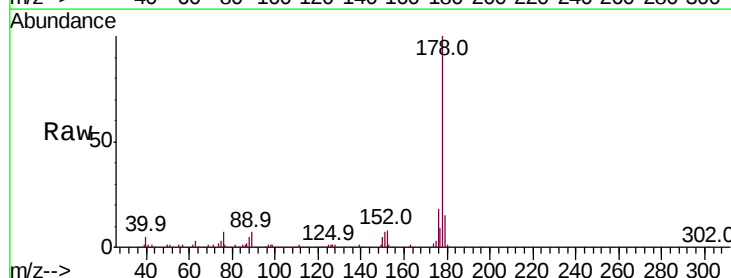
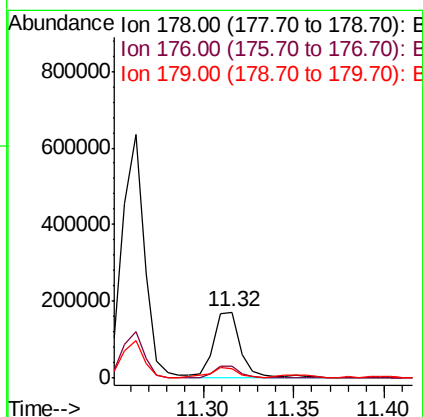
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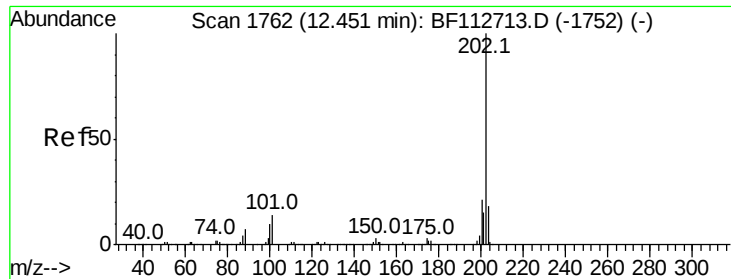
Sohil
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#72
Anthracene
Concen: 7.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.6
179	14.6	13.0	19.6





#75

Fluoranthene

Concen: 24.157 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113096.D

Acq: 18 Mar 2019 17:54

Instrument :

BNA_F

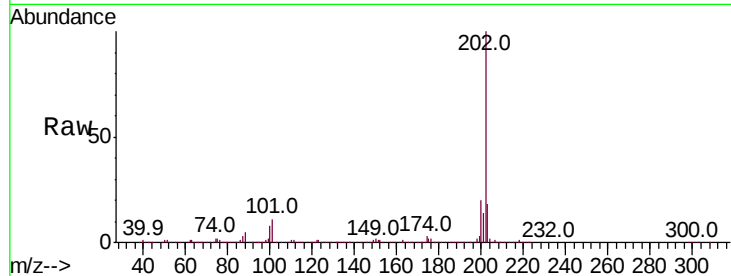
ClientSampleId :

SU-01-031519-B

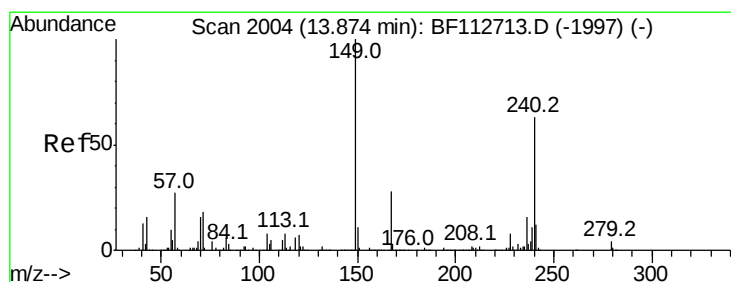
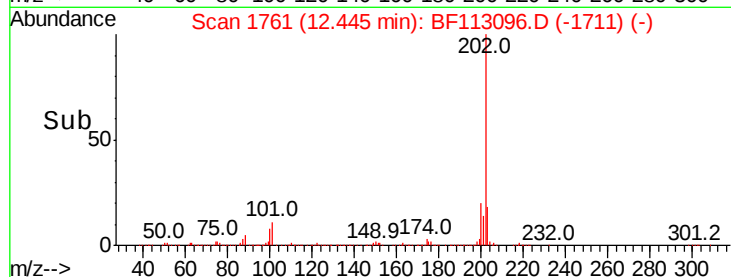
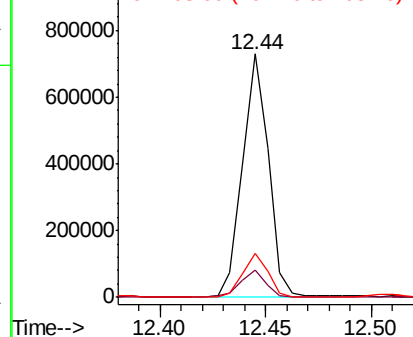
Tot Ion:	202	Resp:	620180
Ion Ratio		Lower	Upper
202	100		
101	11.0	0.0	33.8
203	17.8	0.0	38.4

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: 13.87 min Scan# 2003

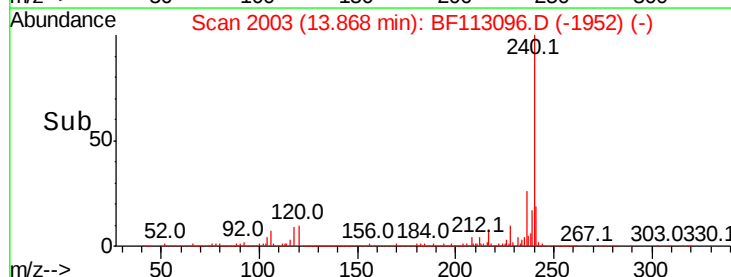
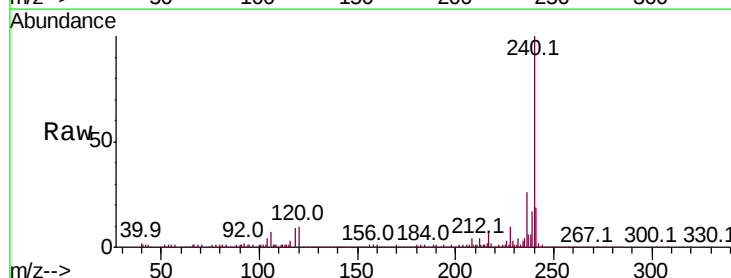
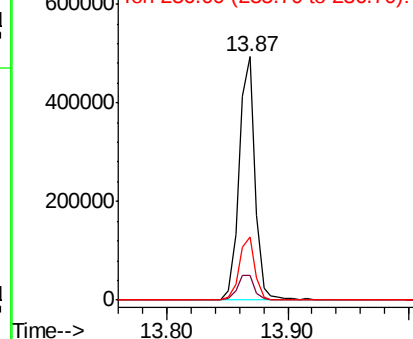
Delta R.T. -0.00 min

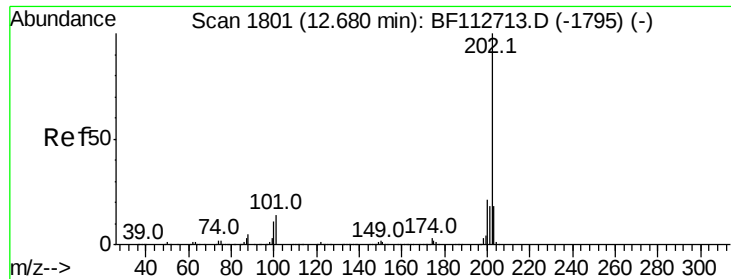
Lab File: BF113096.D

Acq: 18 Mar 2019 17:54

Tgt Ion:	240	Resp:	450829
Ion Ratio		Lower	Upper
240	100		
120	9.9	8.9	13.3
236	26.1	20.7	31.1

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: 14.004 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF113096.D

Acq: 18 Mar 2019 17:54

Instrument :

BNA_F

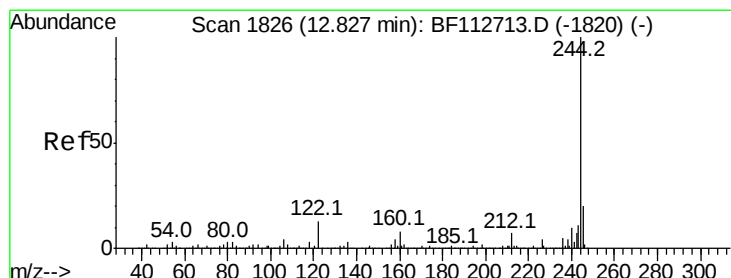
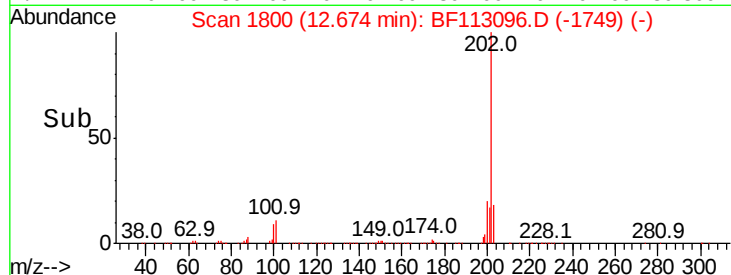
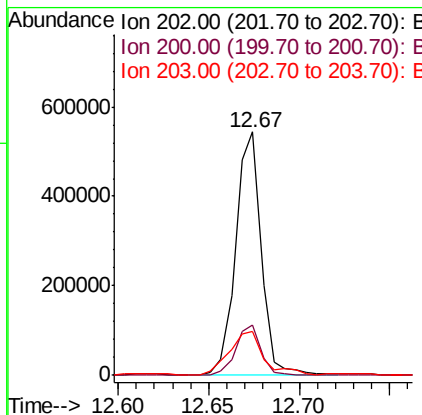
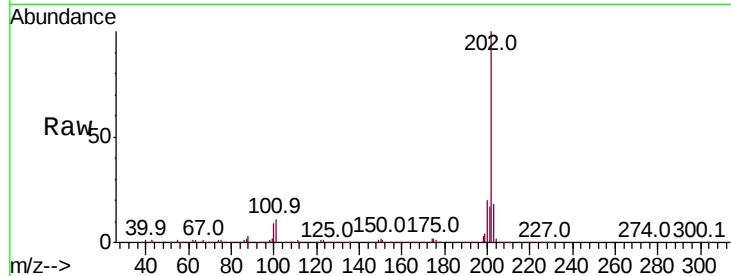
ClientSampleId :

SU-01-031519-B

Tot Ion:	202	Resp:	532220
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.0	25.4
203	17.9	14.4	21.6

Manual Integrations
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#79

Terphenyl-d14

Concen: 13.772 ng

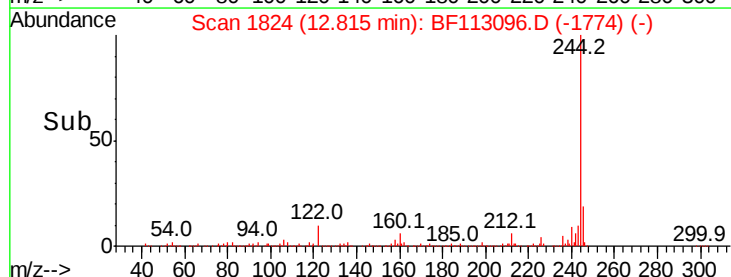
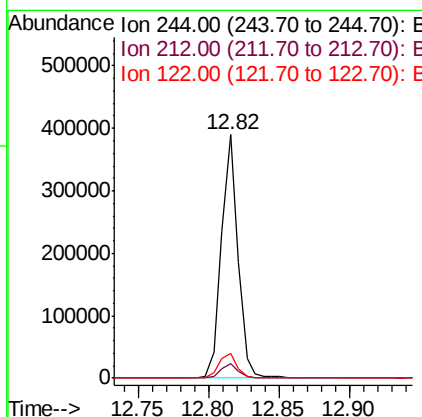
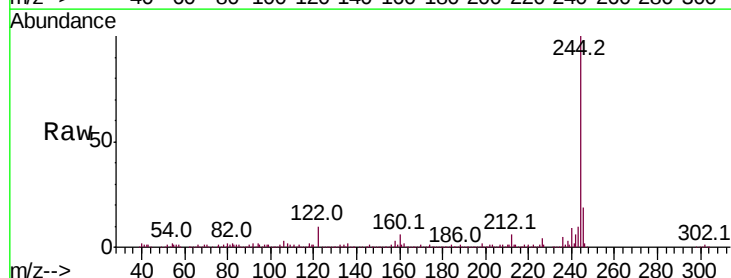
RT: 12.82 min Scan# 1824

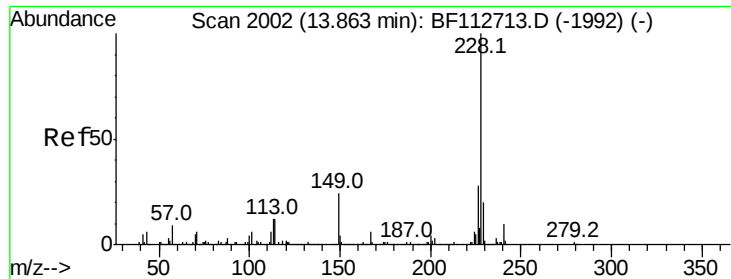
Delta R.T. -0.01 min

Lab File: BF113096.D

Acq: 18 Mar 2019 17:54

Tgt Ion:	244	Resp:	320280
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.6	8.4
122	10.3	10.5	15.7#





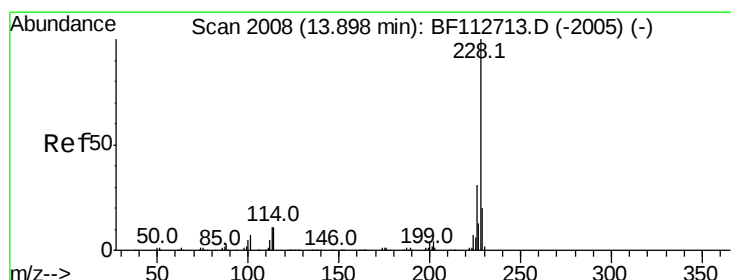
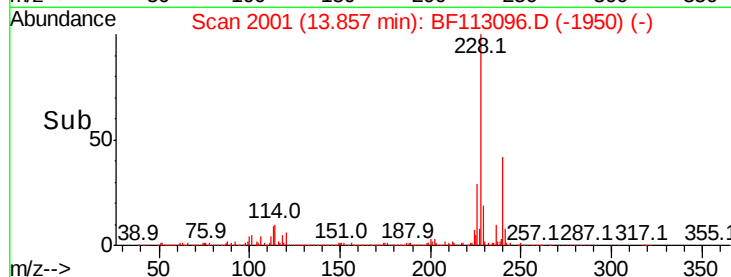
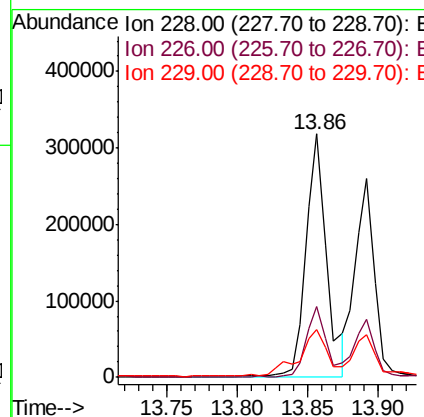
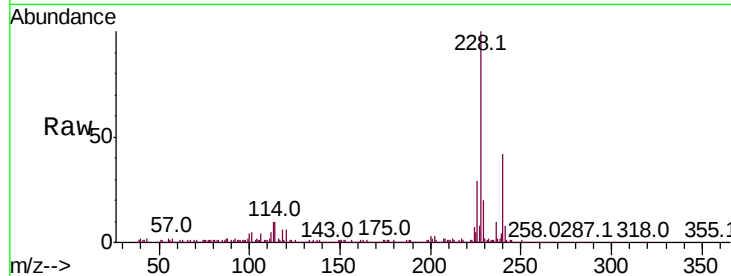
#81
Benzo(a)anthracene
Concen: 10.254 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Instrument :
BNA_F
ClientSampleId :
SU-01-031519-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.4
229	19.7	16.0	24.0

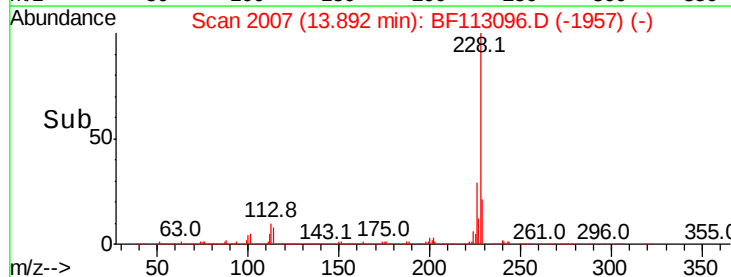
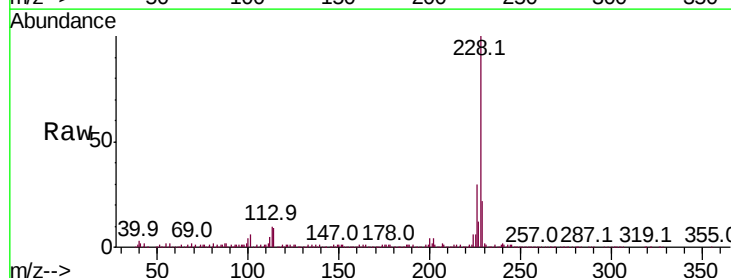
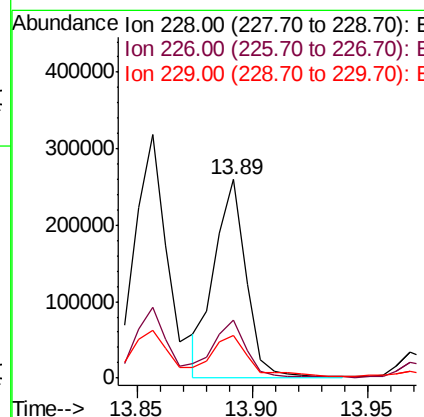
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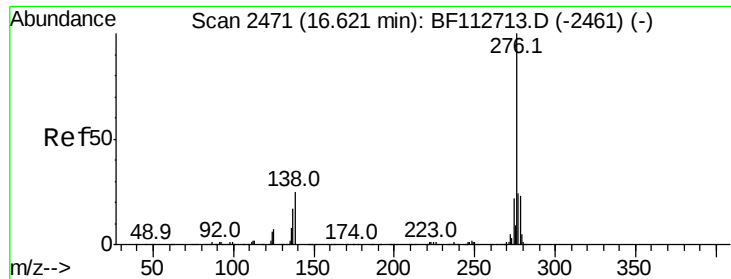
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#83
Chrysene
Concen: 8.054 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	21.8	16.3	24.5





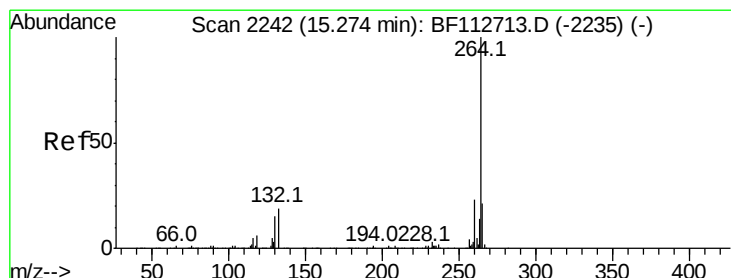
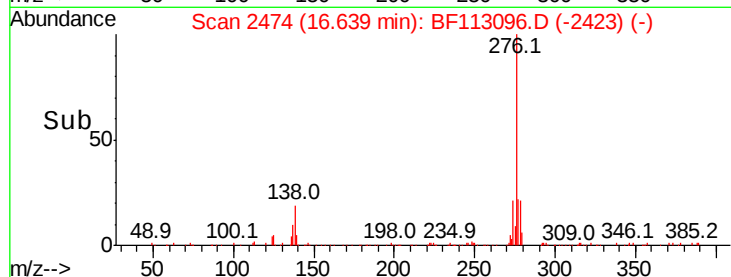
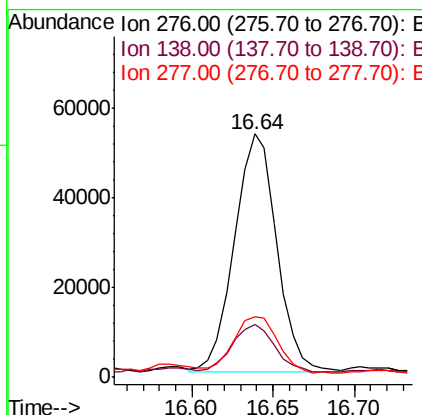
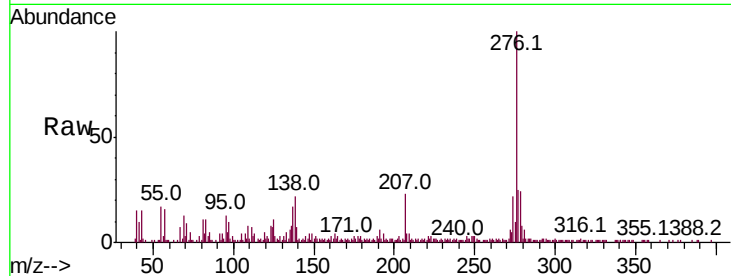
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.659 ng/ml
RT: 16.64 min Scan# 2474
Delta R.T. -0.00 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Instrument :
BNA_F
ClientSampleId :
SU-01-031519-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.8	23.2	34.8#
277	1.5	19.9	29.9#

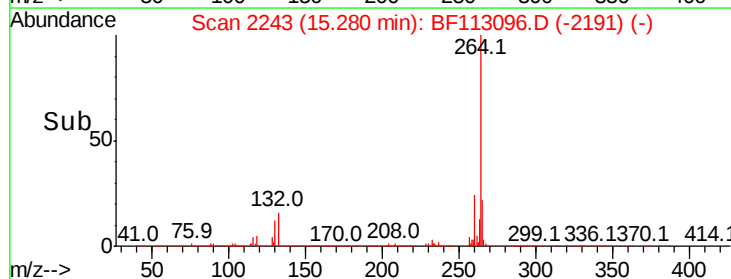
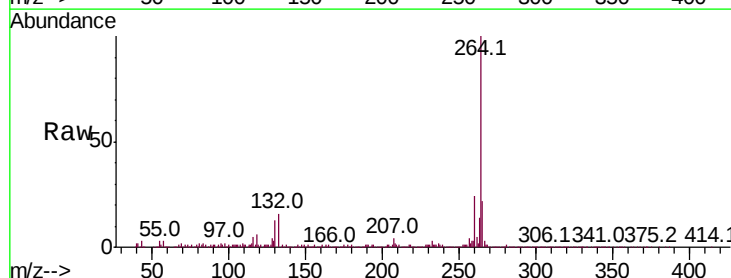
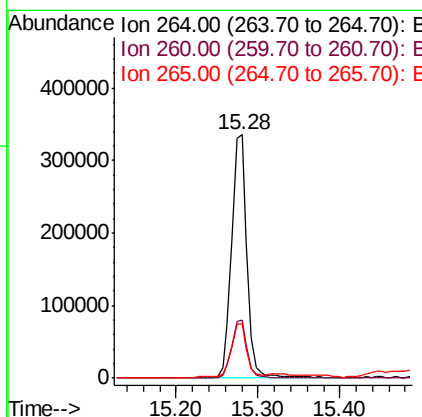
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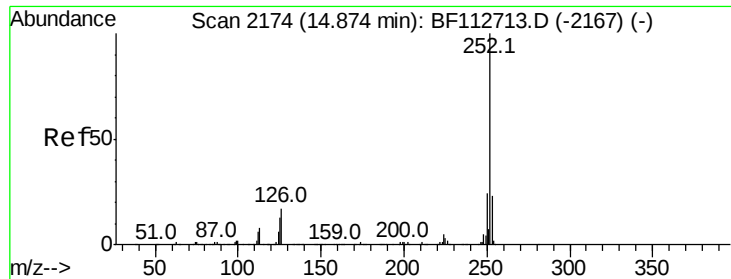
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	22.1	17.2	25.8





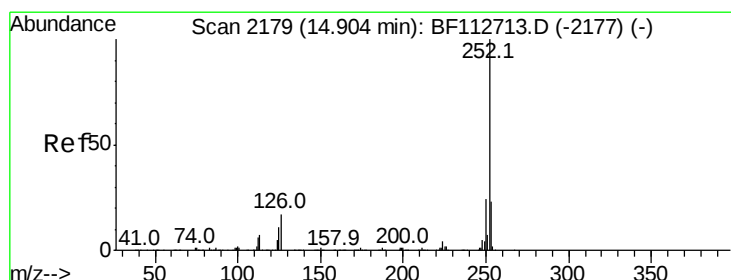
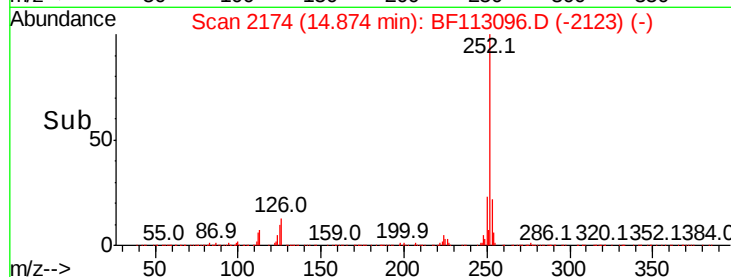
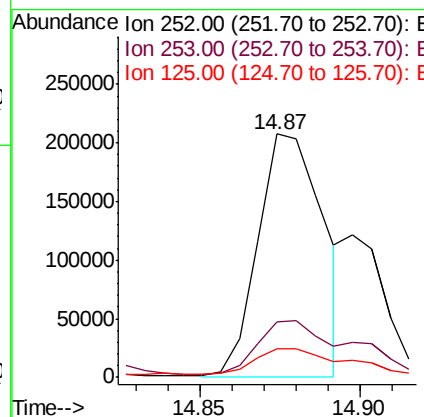
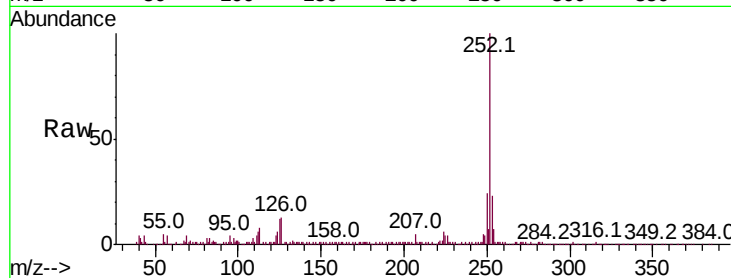
#88
Benzo(b)fluoranthene
Concen: 10.412 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Instrument :
BNA_F
ClientSampleId :
SU-01-031519-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	11.6	10.2	15.2

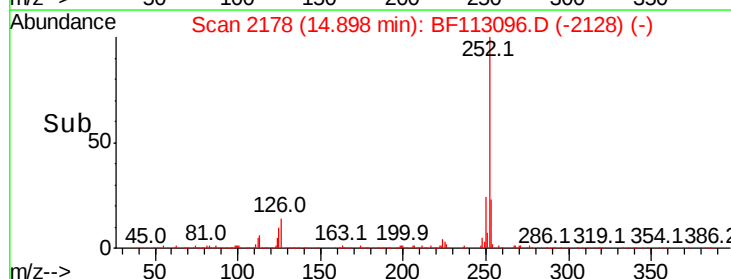
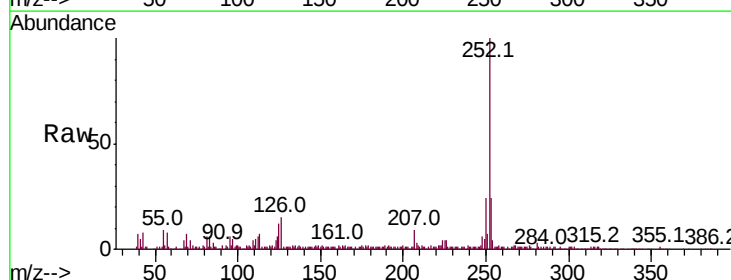
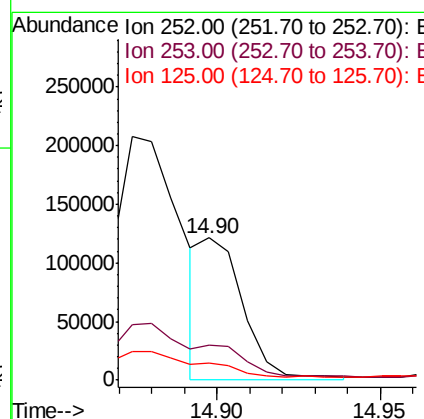
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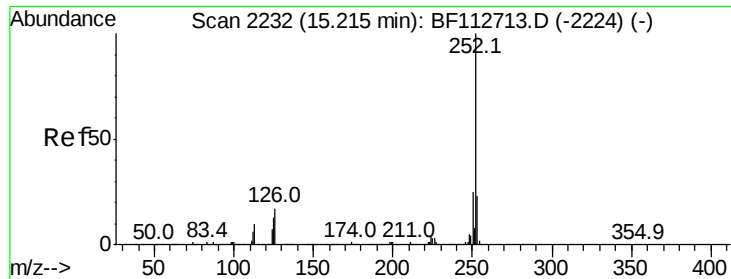
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#89
Benzo(k)fluoranthene
Concen: 4.291 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	12.0	9.8	14.6





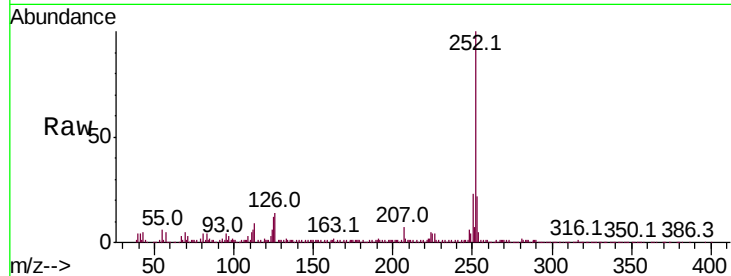
#90
Benzo(a)pyrene
Concen: 8.379 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Instrument :
BNA_F
ClientSampleId :
SU-01-031519-B

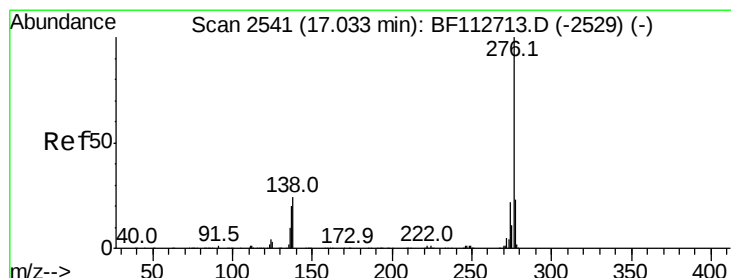
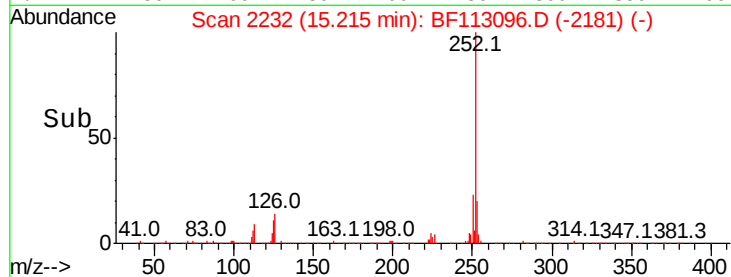
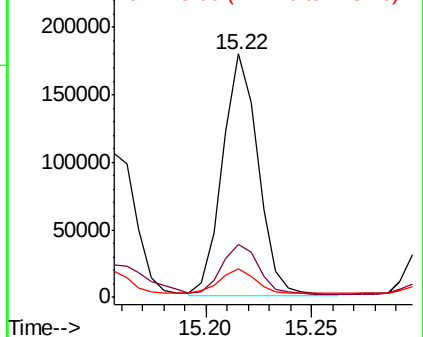
Tot Ion:	252	Resp:	209382
Ion Ratio		Lower	Upper
252	100		
253	22.0	18.0	27.0
125	11.7	10.7	16.1

Manual Integrations
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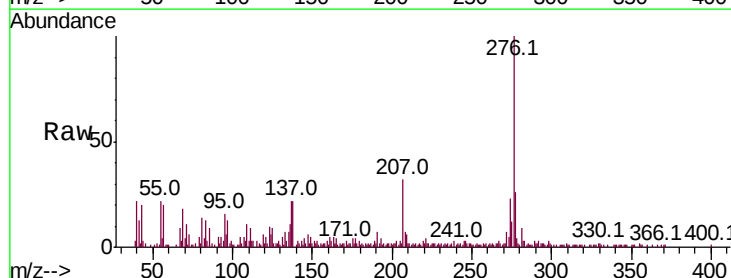


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.836 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.01 min
Lab File: BF113096.D
Acq: 18 Mar 2019 17:54

Tgt Ion:	276	Resp:	82127
Ion Ratio		Lower	Upper
276	100		
277	25.9	18.6	27.8
138	21.6	19.4	29.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

