

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111644.D
 Acq On : 20 Dec 2018 17:47
 Operator : JU/SJ
 Sample : J6445-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB06_12-14

Manual Integrations
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 12/21/2018 2:46:46 PM

Quant Time: Dec 21 06:44:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	198606	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	737744	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	361026	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	597419	20.00	ng	0.00
76) Chrysene-d12	14.04	240	464364	20.00	ng	0.00
87) Perylene-d12	15.53	264	468522	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	769836	66.07	ng	0.00
7) Phenol-d6	6.52	99	1184428	79.88	ng	0.00
23) Nitrobenzene-d5	7.45	82	742524	58.58	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	138224	32.40	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1414787	57.12	ng	0.00
79) Terphenyl-d14	13.00	244	1148845	46.92	ng	0.00
Target Compounds						
10) Phenol	6.53	94	98277	5.874	ng	88
50) Dimethylphthalate	9.64	163	216313	8.193	ng	97
58) Fluorene	10.47	166	57345	2.423	ng	98
71) Phenanthrene	11.44	178	645157	20.363	ng	94
72) Anthracene	11.49	178	148243	4.661	ng	94
75) Fluoranthene	12.62	202	663921	20.693	ng	95
78) Pyrene	12.85	202	569449	17.365	ng	96
81) Benzo(a)anthracene	14.03	228	301210	11.366	ng	99
83) Chrysene	14.07	228	268979	10.327	ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	131106	5.921	ng	# 83
88) Benzo(b)fluoranthene	15.09	252	356908m	13.034	ng	
89) Benzo(k)fluoranthene	15.12	252	108341m	4.156	ng	
90) Benzo(a)pyrene	15.46	252	246049m	9.891	ng	
92) Benzo(a,h,i)perylene	17.44	276	119552	5.620	ng	# 90

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

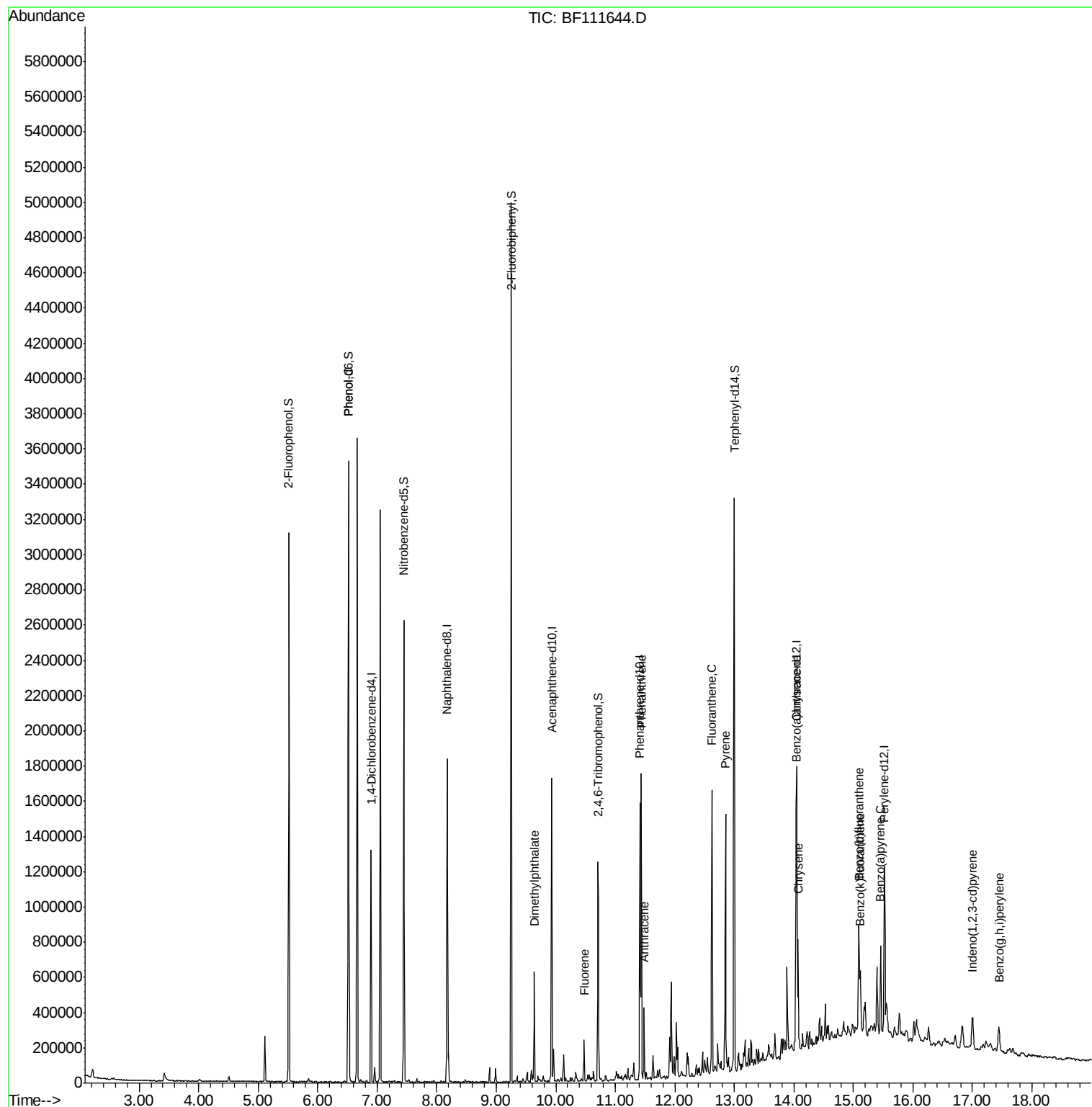
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111644.D
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Sample : J6445-02
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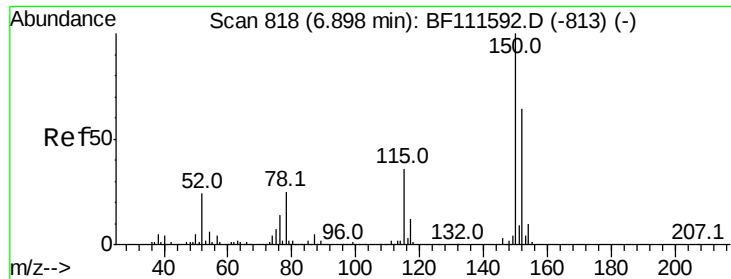
Instrument :
BNA_F
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EB06_12-14

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
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#1

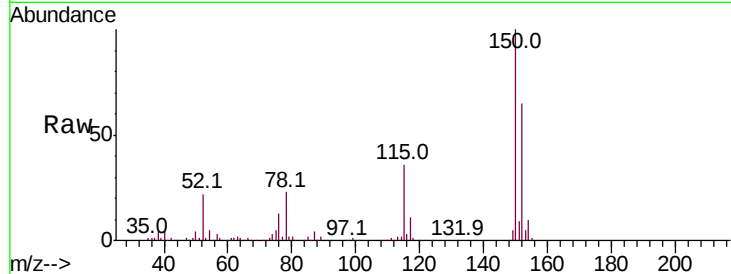
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Instrument :
BNA_F
ClientSampleId :
EB06_12-14

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.6	189.8
115	55.5	50.7	76.1

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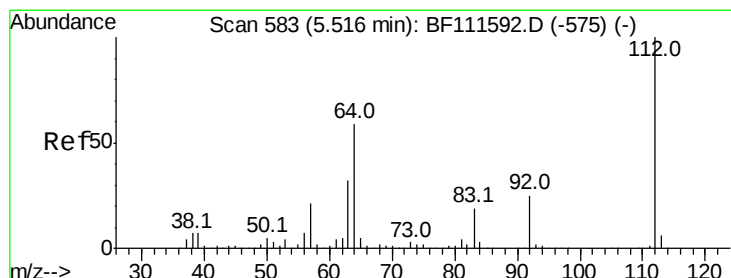
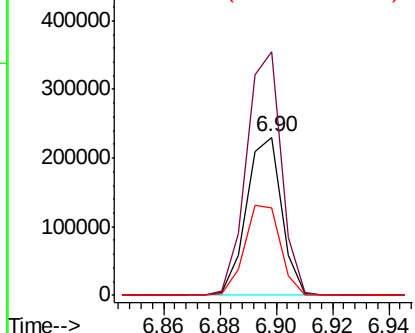
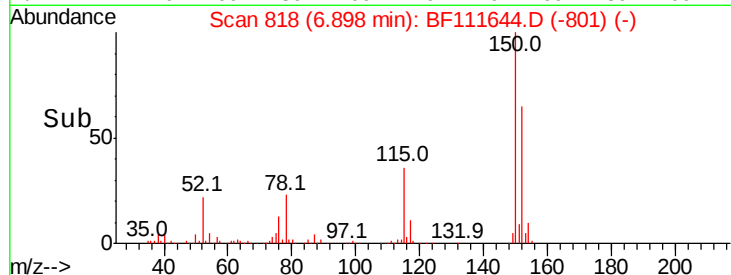


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

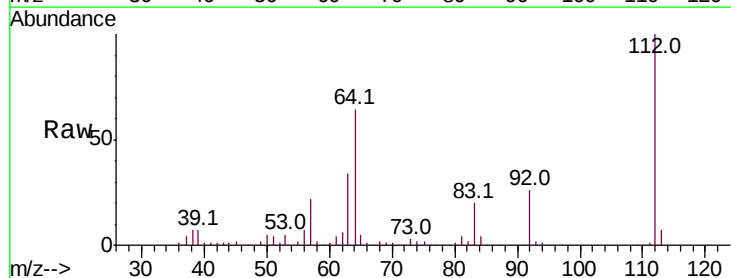
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 66.071 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	51.8	77.6
63	34.4	26.8	40.2

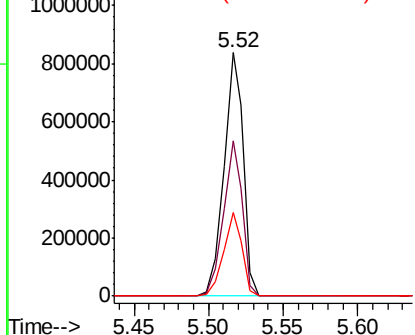
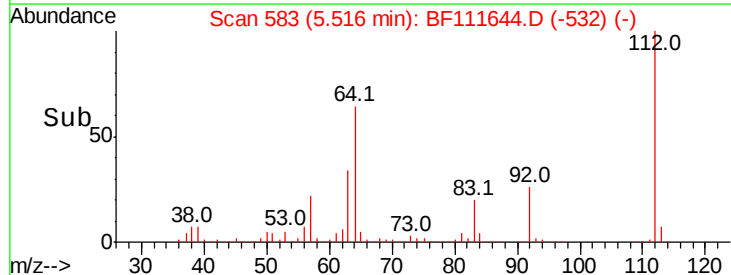


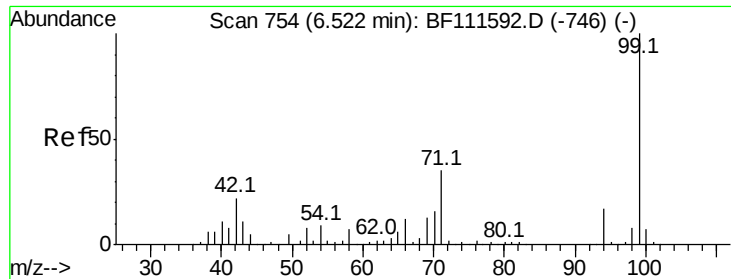
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 79.875 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Instrument :

BNA_F

ClientSampleId :

EB06_12-14

Tot Ion: 99 Resp: 1184428

Ion Ratio Lower Upper

99 100

42 21.8 17.4 26.0

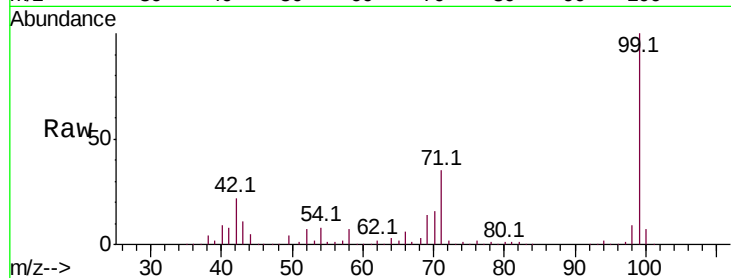
71 34.8 26.1 39.1

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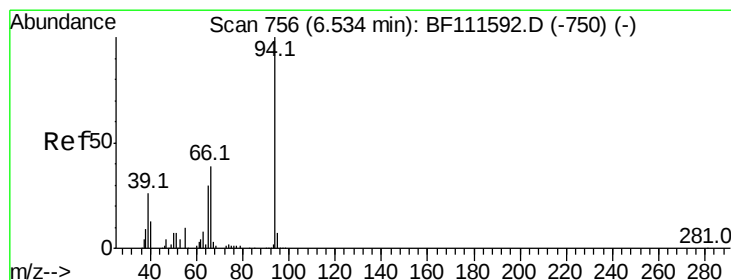
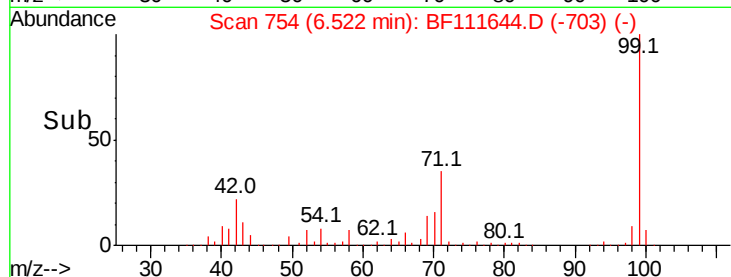
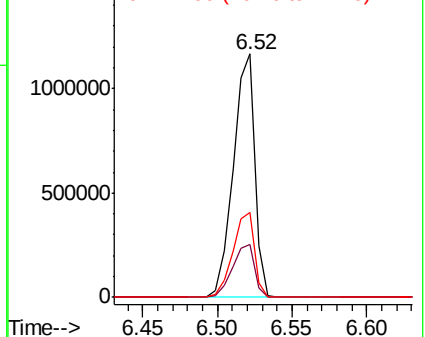
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.874 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

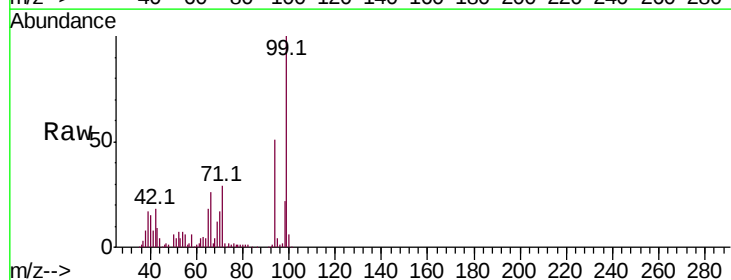
Tgt Ion: 94 Resp: 98277

Ion Ratio Lower Upper

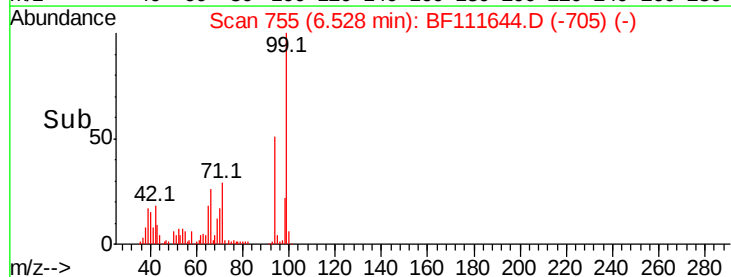
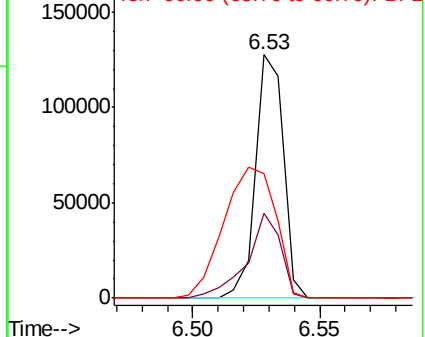
94 100

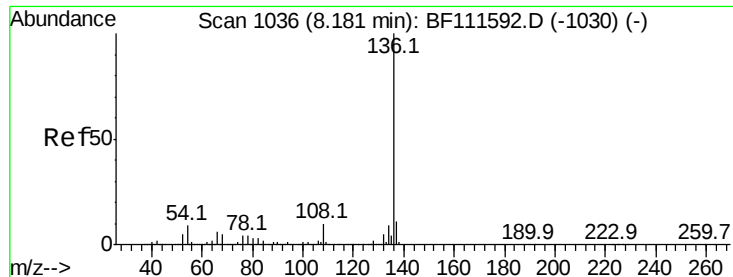
65 35.0 11.7 51.7

66 51.3 21.0 61.0



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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Instrument :

BNA_F

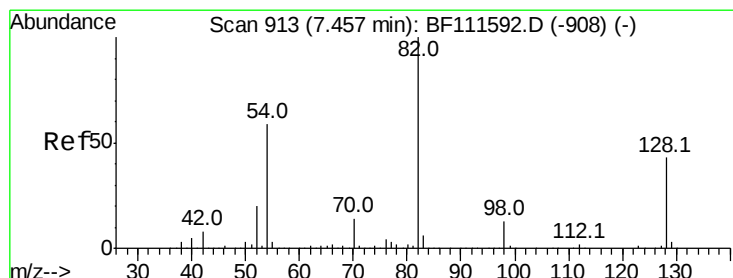
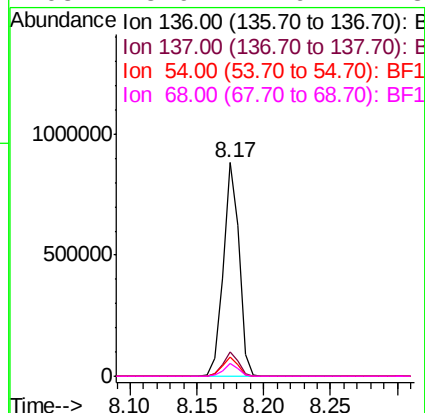
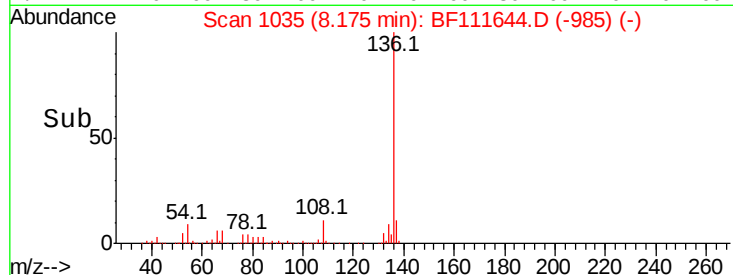
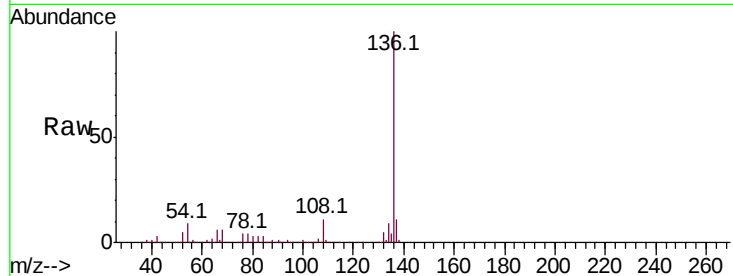
ClientSampleId :

EB06_12-14

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	9.1	13.7	
54	9.3	7.7	11.5	
68	5.9	4.9	7.3	

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#23

Nitrobenzene-d5

Concen: 58.585 ng

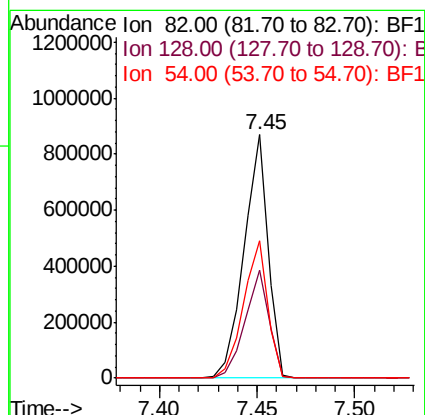
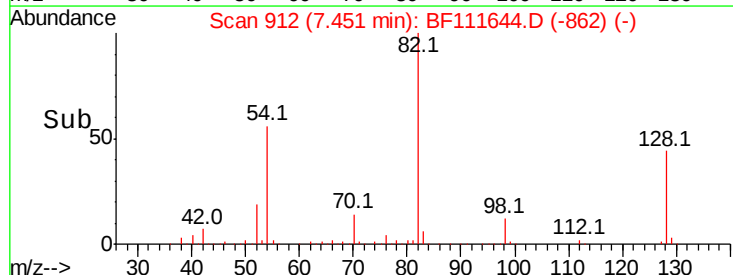
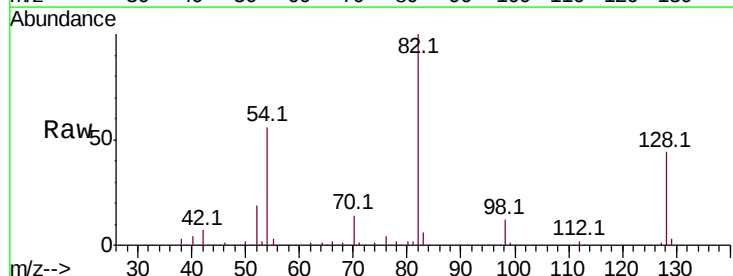
RT: 7.45 min Scan# 912

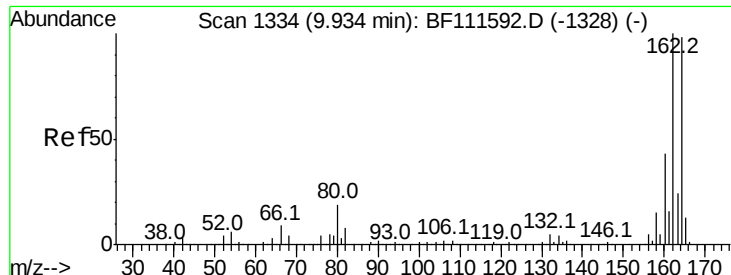
Delta R.T. -0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.1	37.4	56.2	
54	56.4	47.6	71.4	





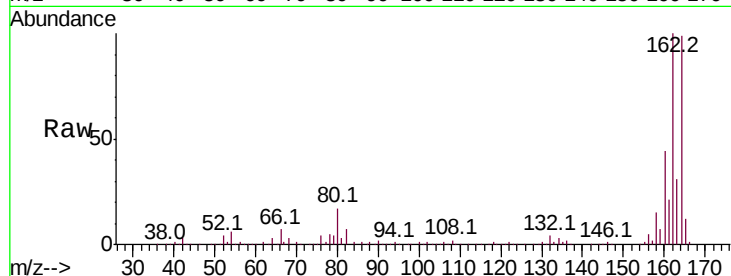
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Instrument :
BNA_F
ClientSampled :
EB06_12-14

Tot Ion	Ratio	Resp	Lower	Upper
164	100	361026		
162	101.0	81.4	122.0	
160	44.7	35.7	53.5	

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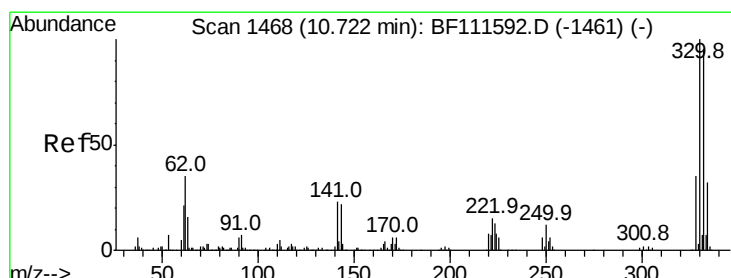
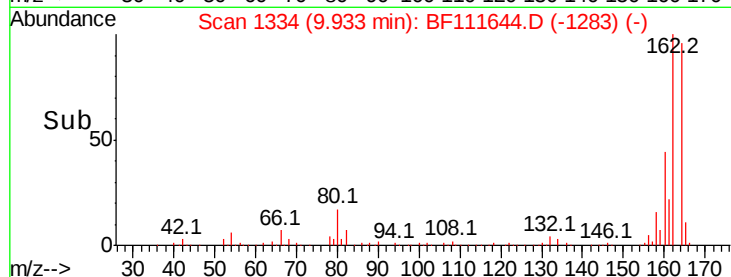
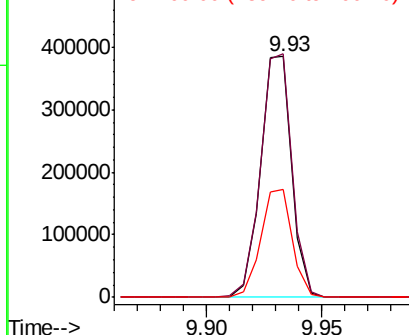


Abundance

Ion 164.00 (163.70 to 164.70): E

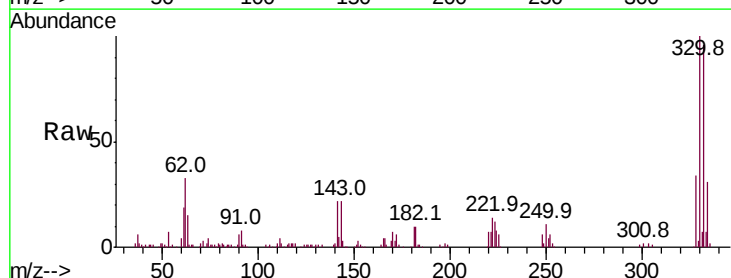
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 32.403 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	138224		
332	96.4	76.0	114.0	
141	29.6	31.0	46.6#	

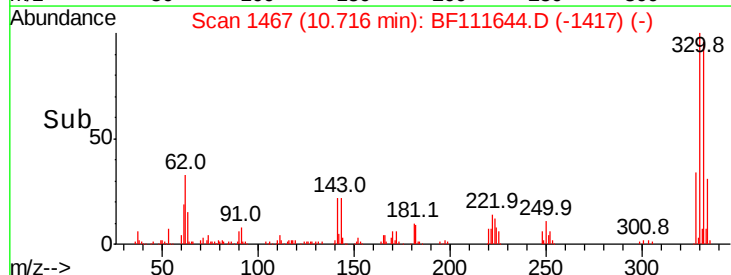
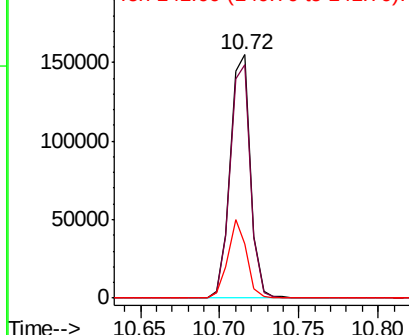


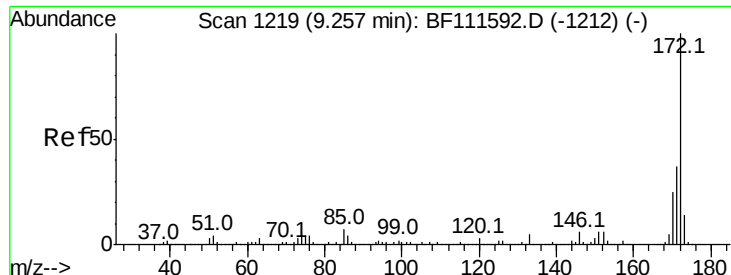
Abundance

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





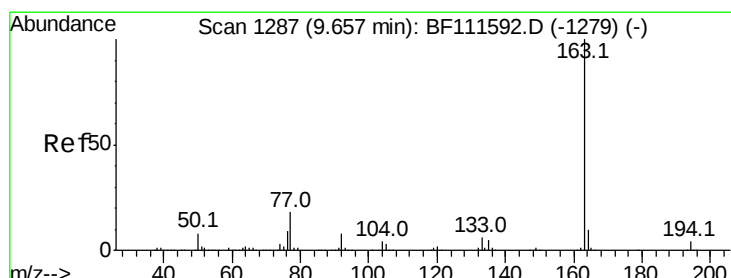
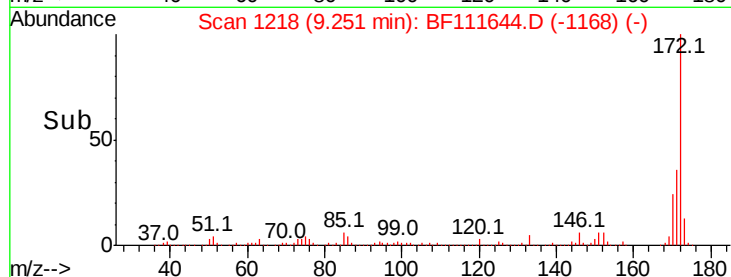
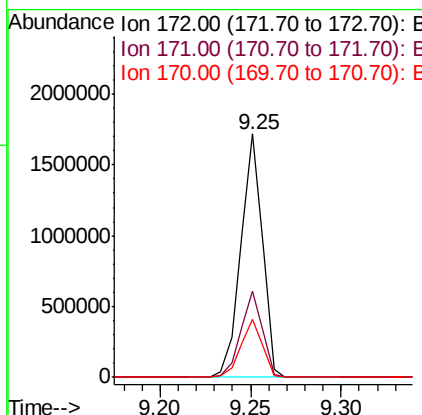
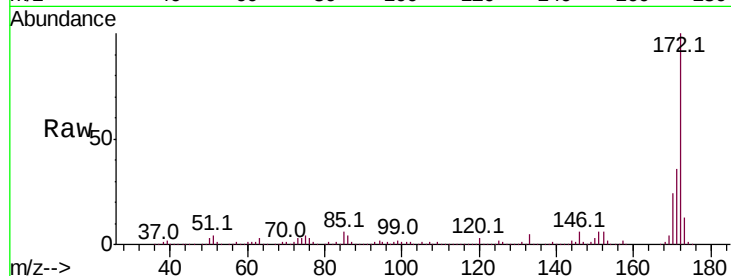
#45
2-Fluorobiphenyl
Concen: 57.119 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Instrument :
BNA_F
ClientSampleId :
EB06_12-14

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	33.0	49.4
170	23.8	22.3	33.5

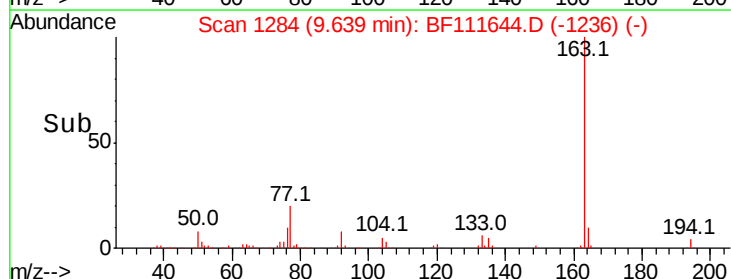
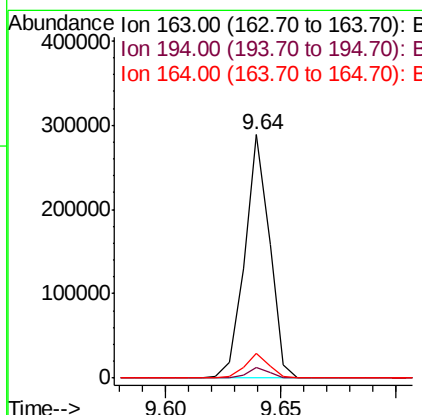
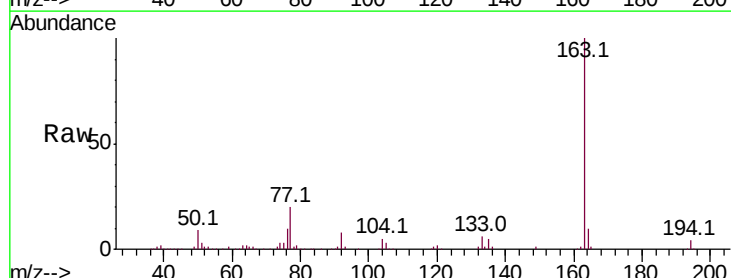
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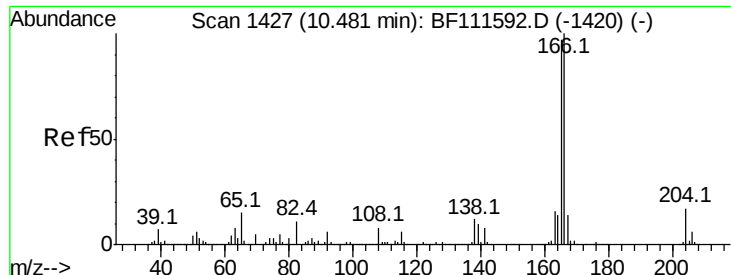
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#50
Dimethylphthalate
Concen: 8.193 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	9.9	8.9	13.3





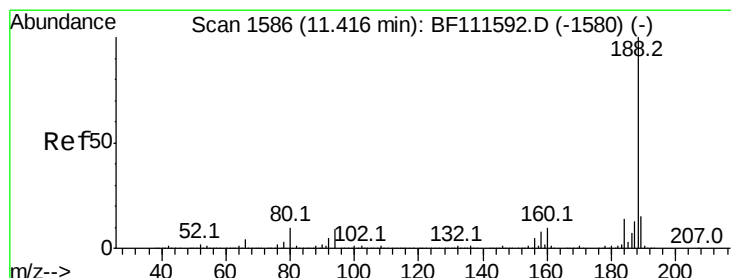
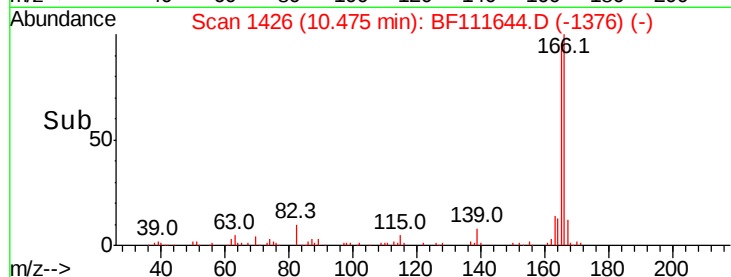
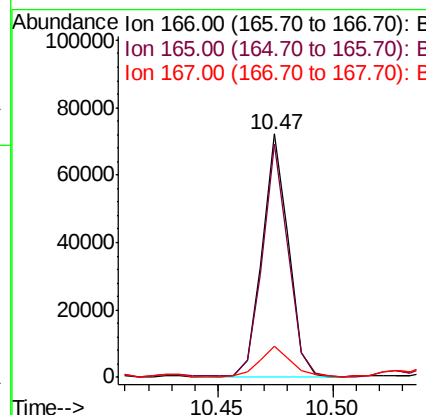
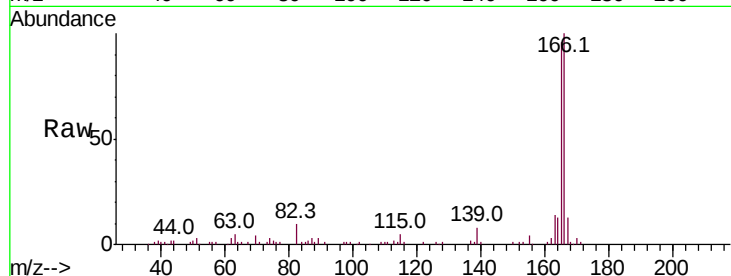
#58
Fluorene
 Concen: 2.423 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF111644.D
 Acq: 20 Dec 2018 17:47

Instrument :
 BNA_F
 ClientSampleId :
 EB06_12-14

Tot Ion	Ratio	Resp	Lower	Upper
166	100	57345		
165	96.1		78.4	117.6
167	13.0		11.2	16.8

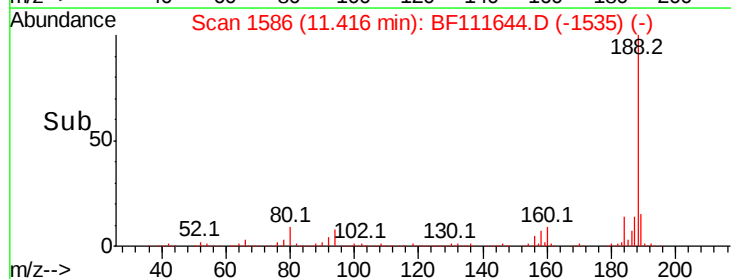
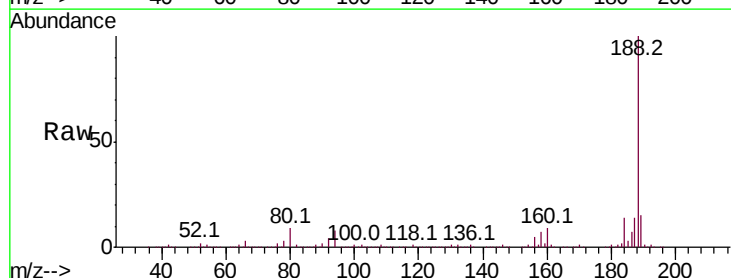
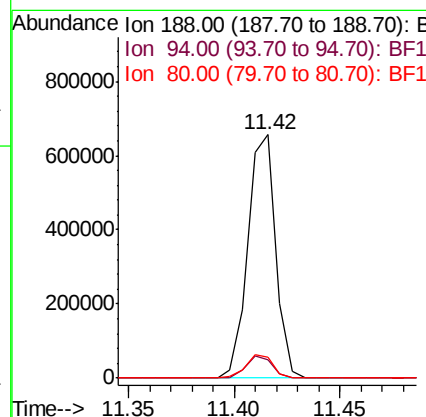
Manual Integrations
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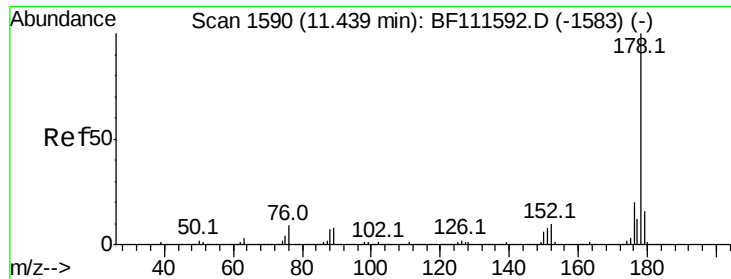
Sohil
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF111644.D
 Acq: 20 Dec 2018 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	597419		
94	7.8		9.6	14.4#
80	8.7		9.8	14.6#





#71

Phenanthrene

Concen: 20.363 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Instrument :

BNA_F

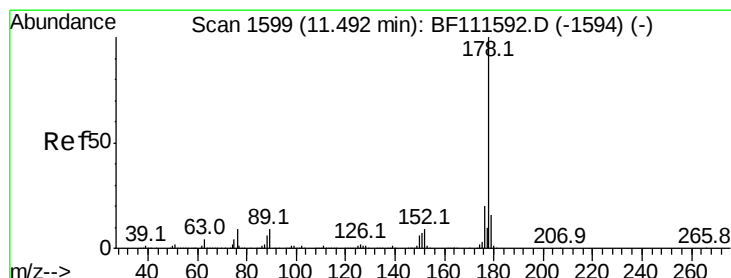
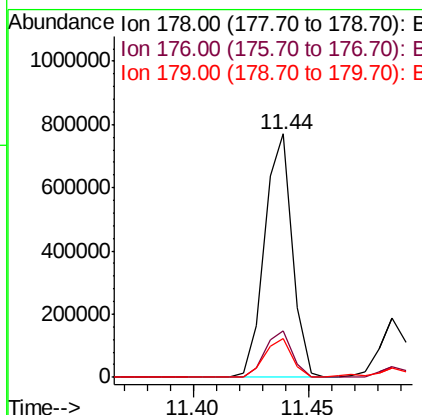
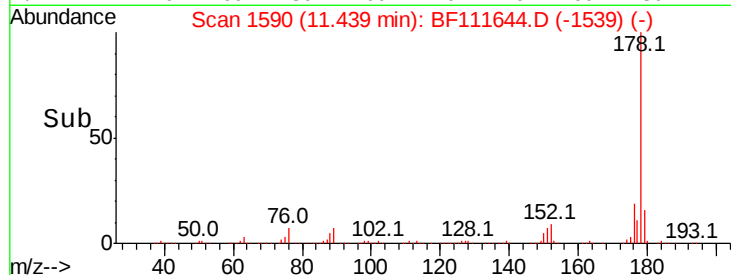
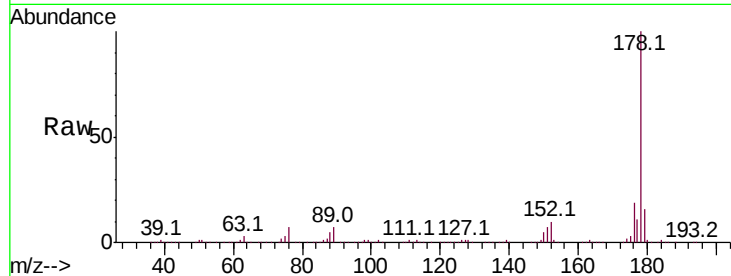
ClientSampleId :

EB06_12-14

Tot Ion:	178	Resp:	645157
Ion Ratio	Lower	Upper	
178	100		
176	19.3	18.1	27.1
179	15.8	14.0	21.0

Manual Integrations
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#72

Anthracene

Concen: 4.661 ng

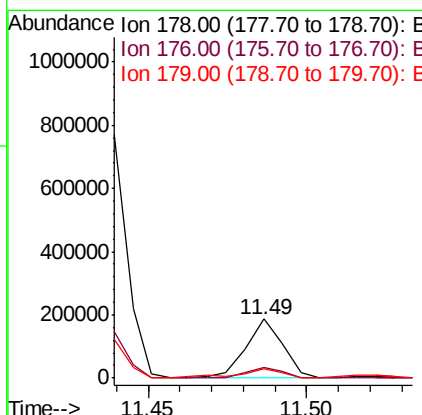
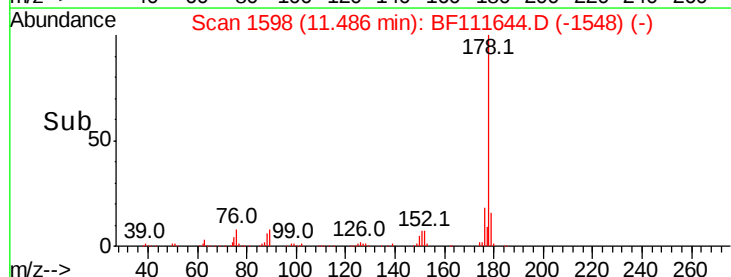
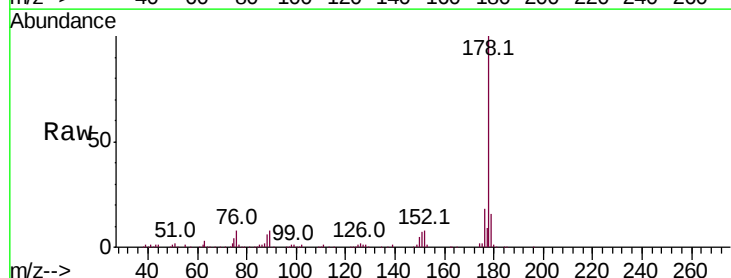
RT: 11.49 min Scan# 1598

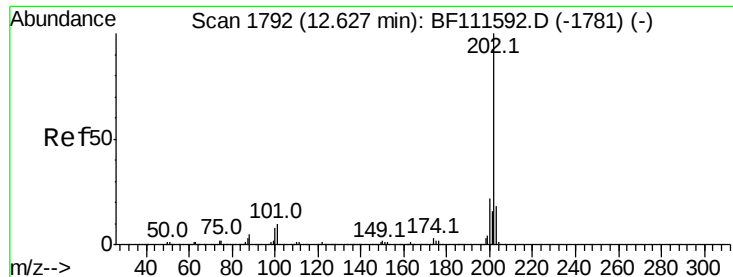
Delta R.T. -0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Tgt Ion:	178	Resp:	148243
Ion Ratio	Lower	Upper	
178	100		
176	17.6	17.2	25.8
179	15.5	13.8	20.8





#75

Fluoranthene

Concen: 20.693 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Instrument :

BNA_F

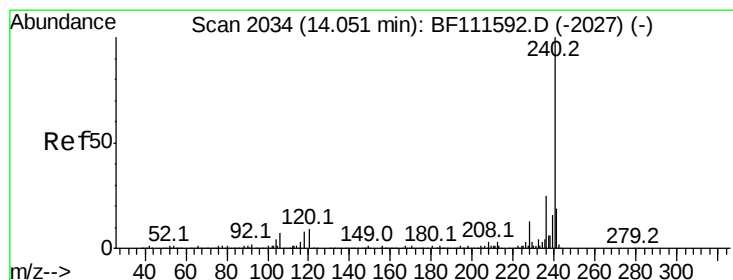
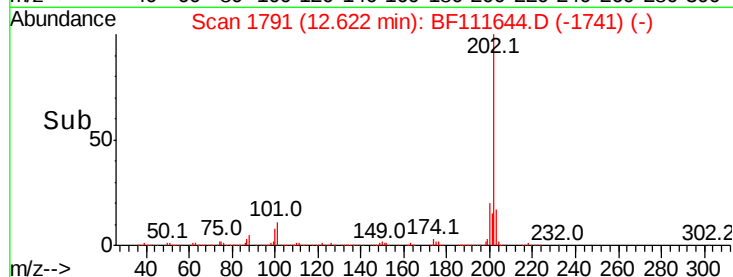
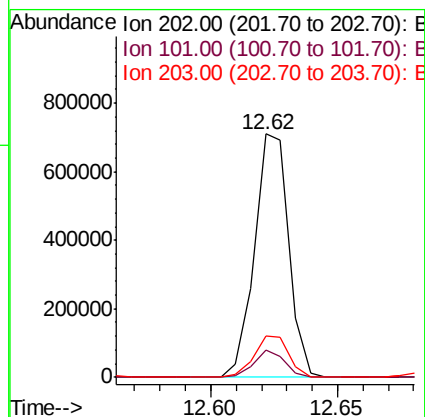
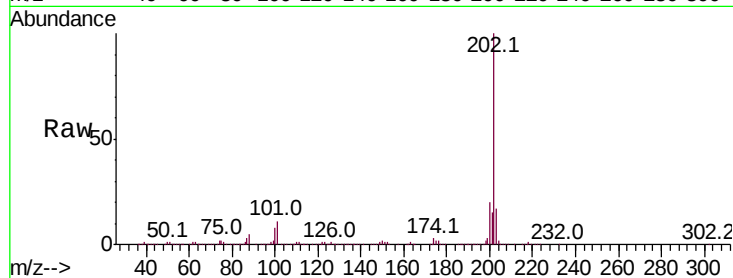
ClientSampleId :

EB06_12-14

Tot Ion:	202	Resp:	663921
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	33.8
203	16.9	0.0	38.6

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#76

Chrysene-d12

Concen: 20.000 ng

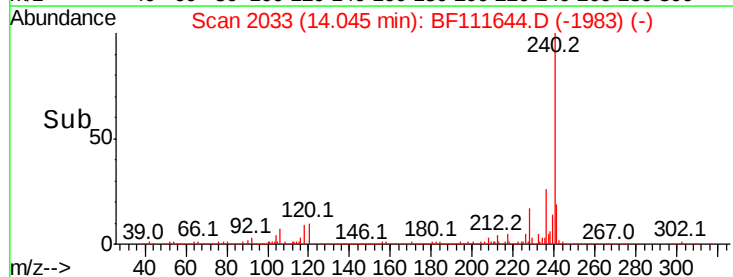
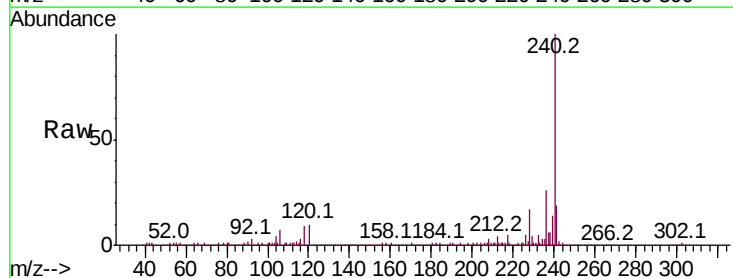
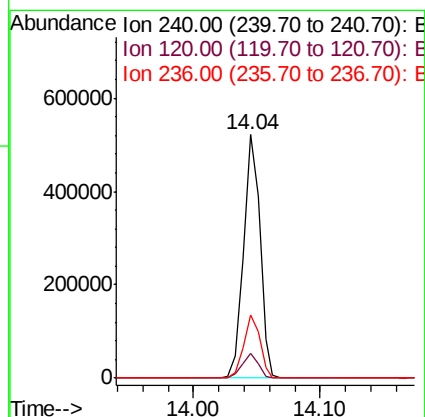
RT: 14.04 min Scan# 2033

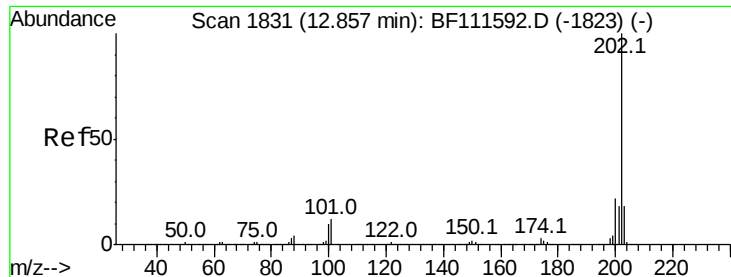
Delta R.T. -0.01 min

Lab File: BF111644.D

Acq: 20 Dec 2018 17:47

Tgt Ion:	240	Resp:	464364
Ion Ratio	Lower	Upper	
240	100		
120	10.0	12.2	18.2#
236	25.8	20.2	30.2





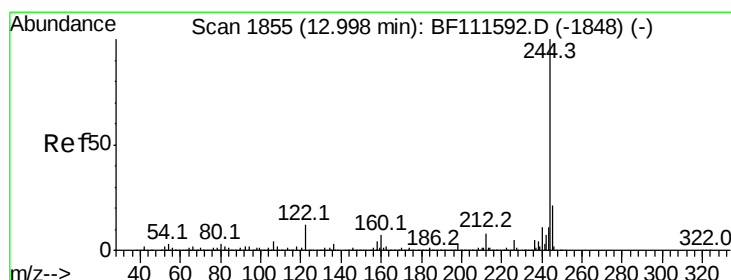
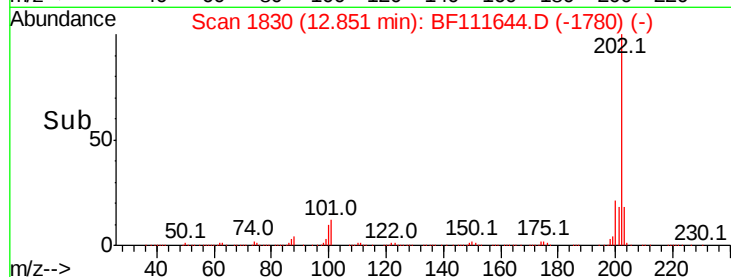
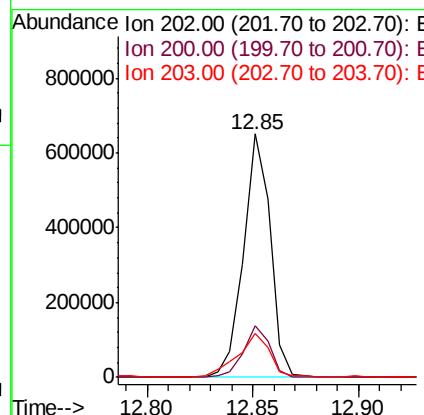
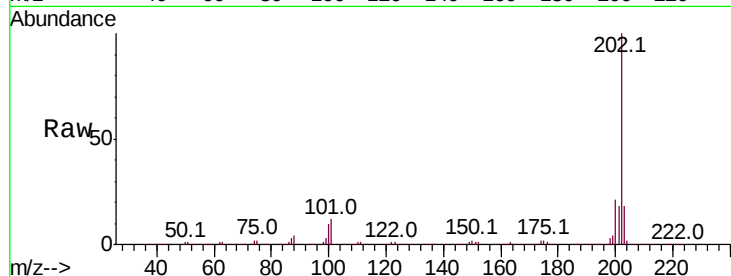
#78
Pvrene
Concen: 17.365 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Instrument :
BNA_F
ClientSampleId :
EB06_12-14

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	19.0	28.4
203	18.2	15.2	22.8

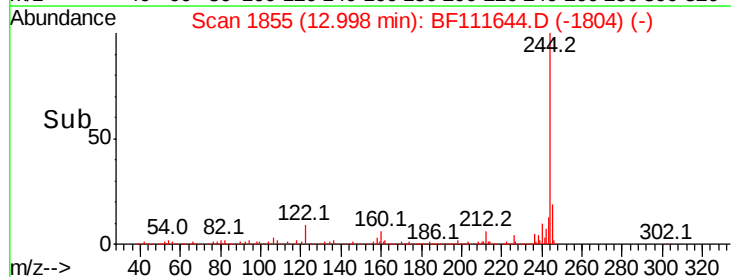
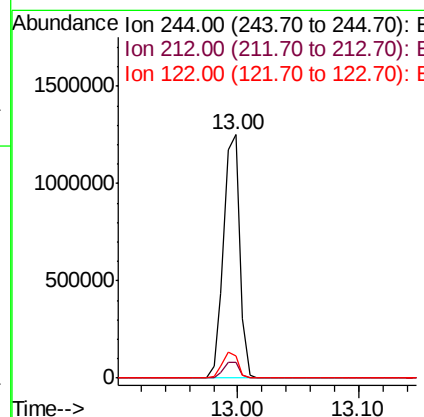
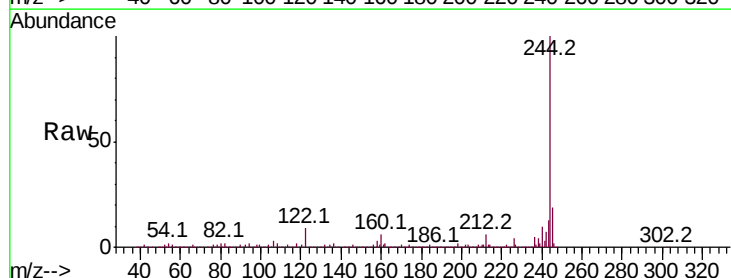
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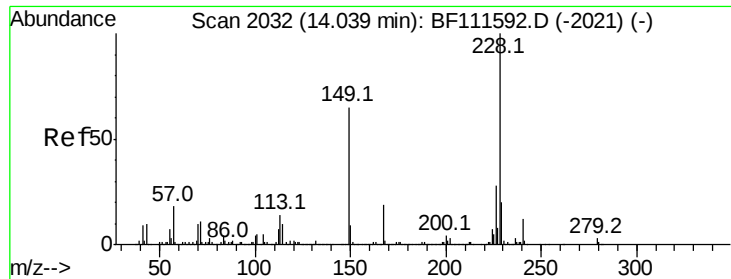
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#79
Terphenyl-d14
Concen: 46.918 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	9.1	13.1	19.7#





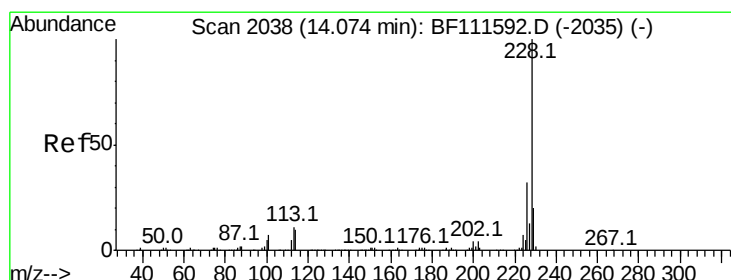
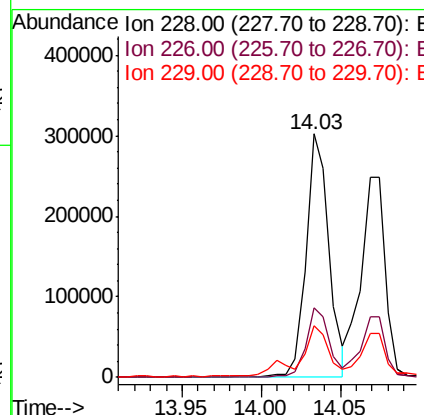
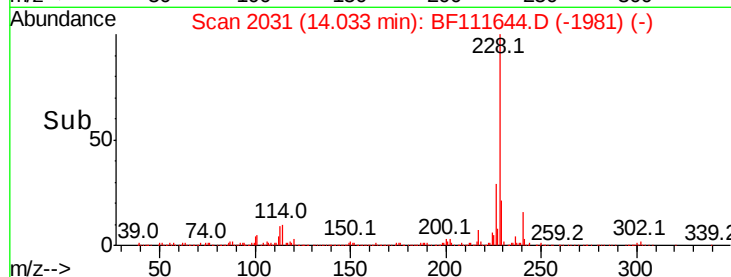
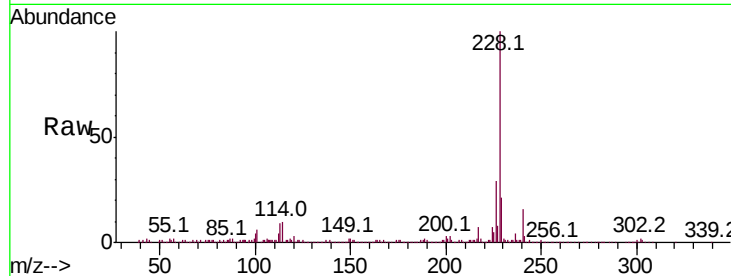
#81
Benzo(a)anthracene
Concen: 11.366 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Instrument :
BNA_F
ClientSampleId :
EB06_12-14

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	34.0
229	21.3	16.3	24.5

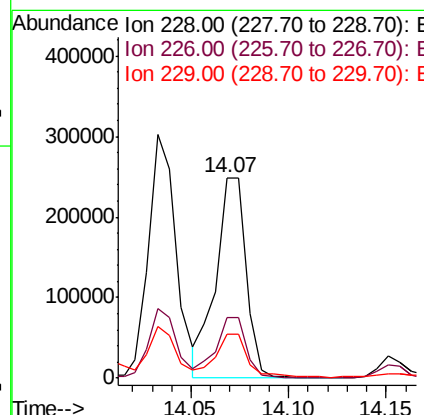
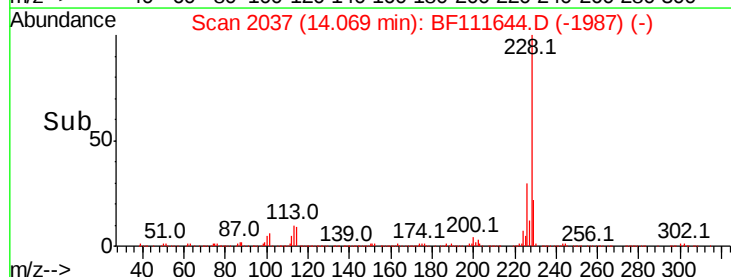
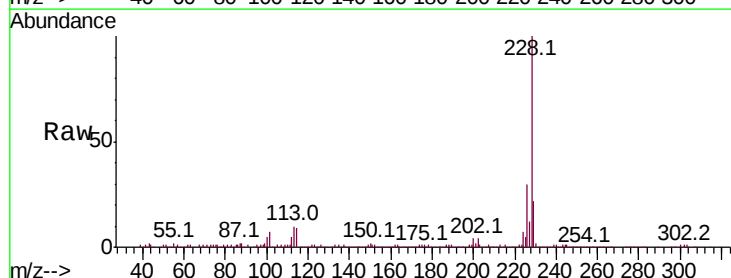
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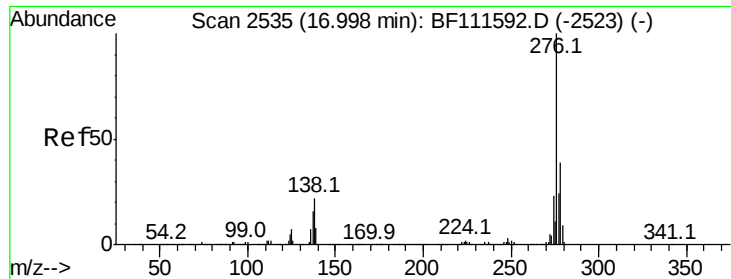
Sohil
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#83
Chrysene
Concen: 10.327 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.3	37.9
229	22.1	17.2	25.8





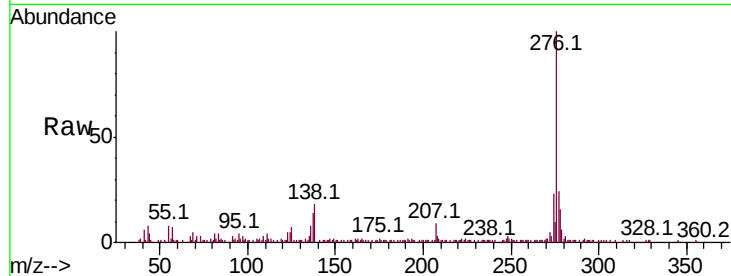
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.921 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.00 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Instrument :
BNA_F
ClientSampleId :
EB06_12-14

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	27.8	41.6#
277	24.2	20.1	30.1

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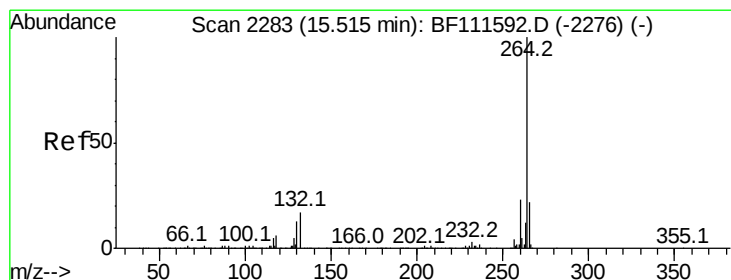
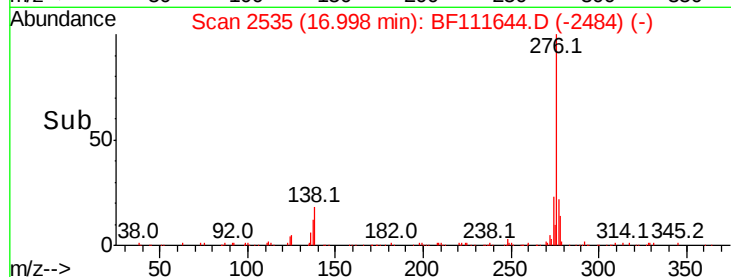
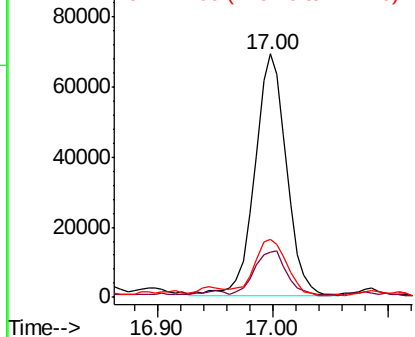


Abundance

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: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

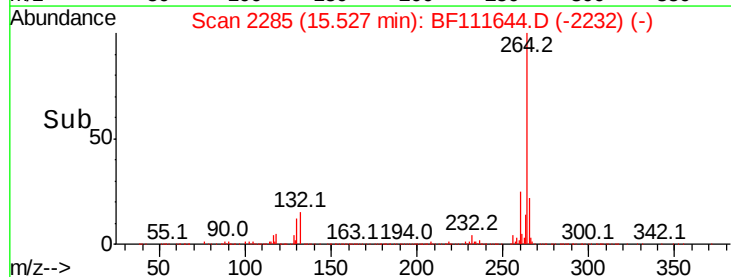
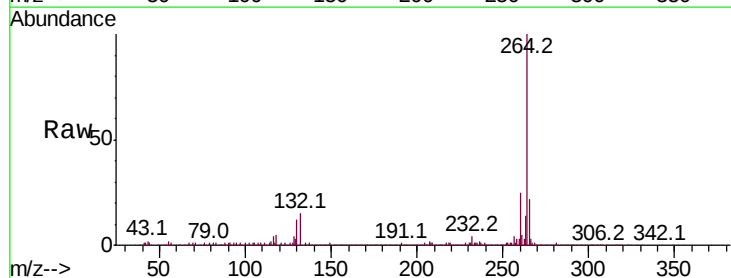
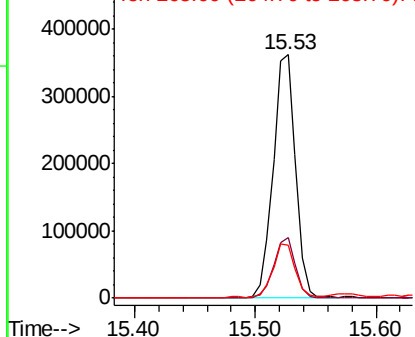
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.3	27.5
265	21.9	17.7	26.5

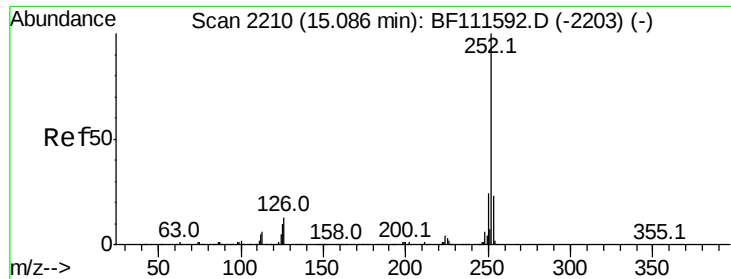
Abundance

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





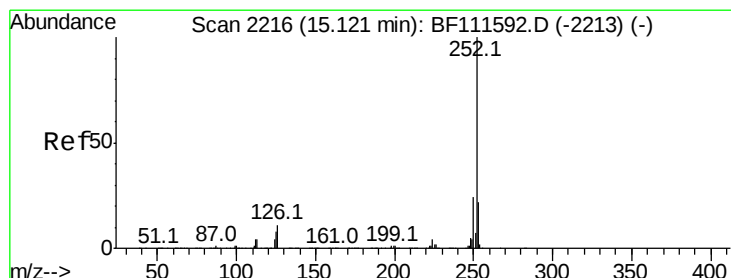
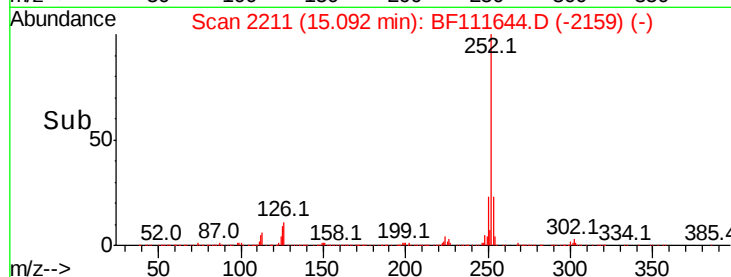
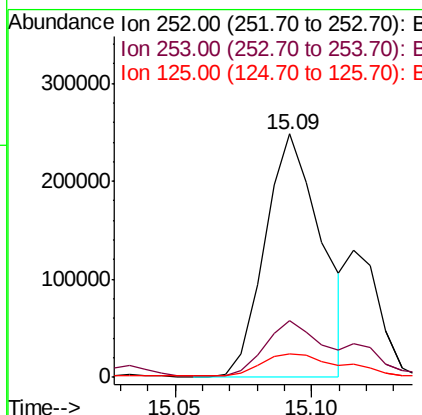
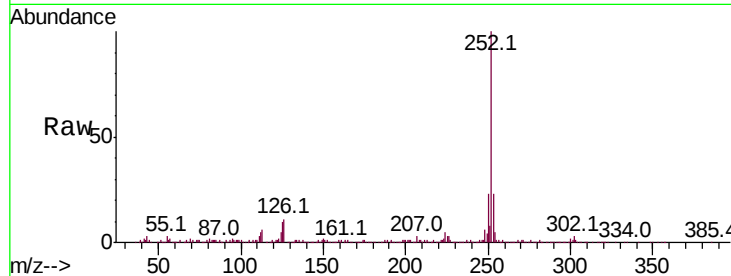
#88
Benzo(b)fluoranthene
Concen: 13.034 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Instrument :
BNA_F
ClientSampleId :
EB06_12-14

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	9.8	10.4	15.6

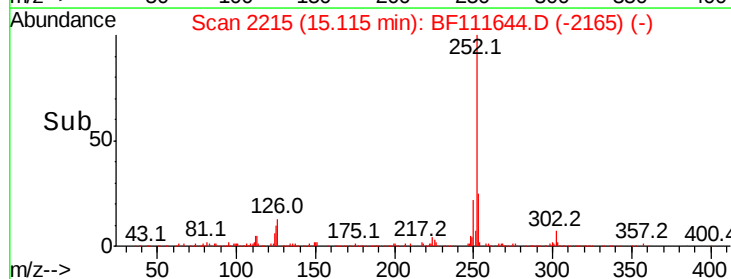
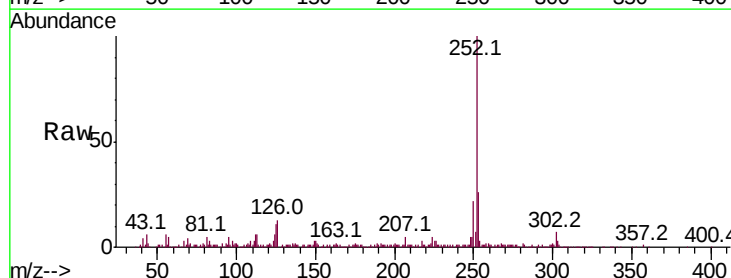
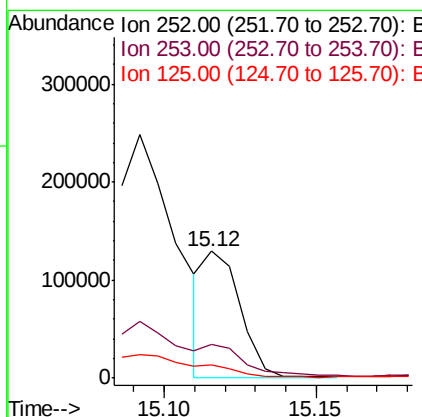
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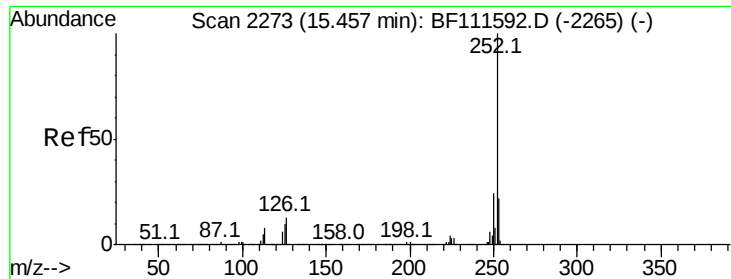
Sohil
12/21/2018 2:46:46 PM



#89
Benzo(k)fluoranthene
Concen: 4.156 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.1	27.1
125	10.6	9.8	14.8





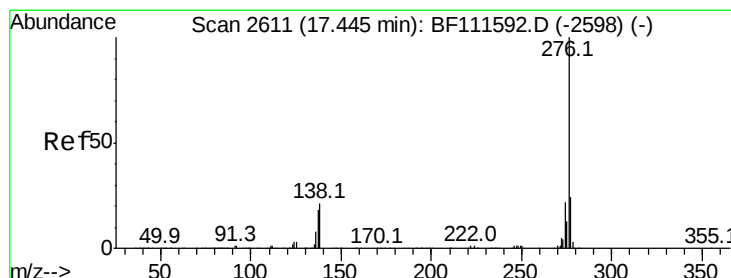
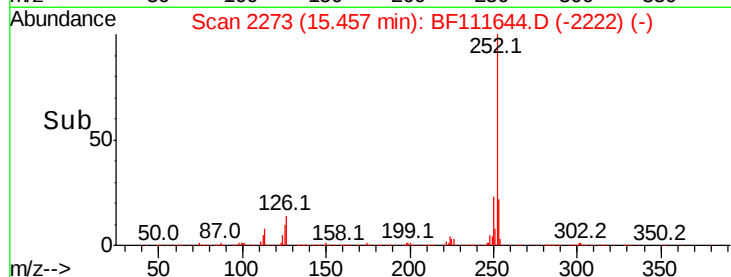
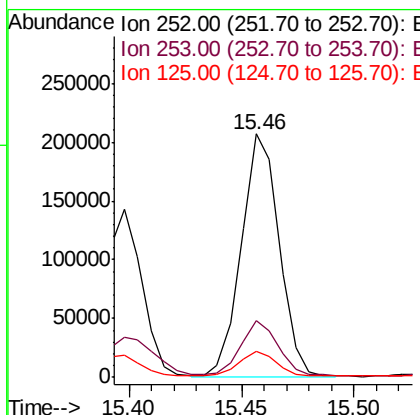
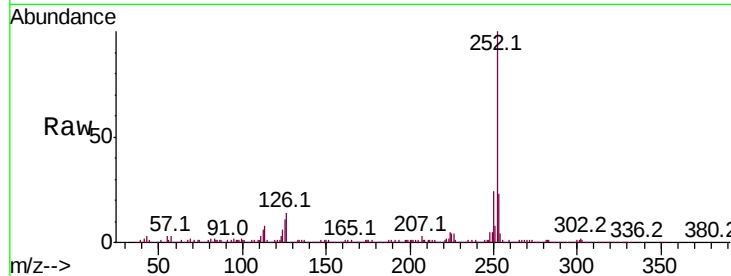
#90
Benzo(a)pyrene
Concen: 9.891 ng m
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Instrument :
BNA_F
ClientSampleId :
EB06_12-14

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	10.7	12.3	18.5#

Manual Integrations
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12/21/2018 2:46:46 PM



#92
Benzo(g,h,i)perylene
Concen: 5.620 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.00 min
Lab File: BF111644.D
Acq: 20 Dec 2018 17:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	21.6	24.9	37.3#

