

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118985.D
 Acq On : 21 Feb 2020 3:52
 Operator : CG/JU
 Sample : L1552-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-008-A

Manual Integrations
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Quant Time: Feb 21 05:52:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	172525	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	597052	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	268615	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	417159	20.00	ng	0.00
76) Chrysene-d12	13.92	240	385914	20.00	ng	0.00
87) Perylene-d12	15.34	264	320144	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	224271	21.72	ng	0.00
7) Phenol-d6	6.40	99	597352	47.58	ng	0.00
23) Nitrobenzene-d5	7.32	82	437734	38.71	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	5115	1.46	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	843652	46.27	ng	0.00
79) Terphenyl-d14	12.86	244	822001	36.67	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.06	128	163690	5.286	ng	98
50) Dimethylphthalate	9.51	163	56357	2.744	ng	# 98
52) Acenaphthene	9.83	154	53188	3.491	ng	97
55) Dibenzofuran	10.00	168	73064	3.213	ng	93
58) Fluorene	10.34	166	77630	4.393	ng	100
71) Phenanthrene	11.30	178	652741	28.692	ng	100
72) Anthracene	11.35	178	174525	7.678	ng	98
73) Carbazole	11.50	167	59051	2.916	ng	98
75) Fluoranthene	12.49	202	750821	31.092	ng	99
78) Pyrene	12.72	202	652758	21.065	ng	99
80) Butylbenzylphthalate	13.33	149	41349	3.170	ng	92
81) Benzo(a)anthracene	13.90	228	318285	12.104	ng	97
83) Chrysene	13.94	228	291745m	11.135	ng	
86) Indeno(1,2,3-cd)pyrene	16.76	276	100610	3.966	ng	96
88) Benzo(b)fluoranthene	14.94	252	285826m	13.545	ng	
89) Benzo(k)fluoranthene	14.96	252	105164m	5.378	ng	
90) Benzo(a)pyrene	15.29	252	198222	10.408	ng	# 92
92) Benzo(g,h,i)perylene	17.18	276	99476	6.008	ng	94

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

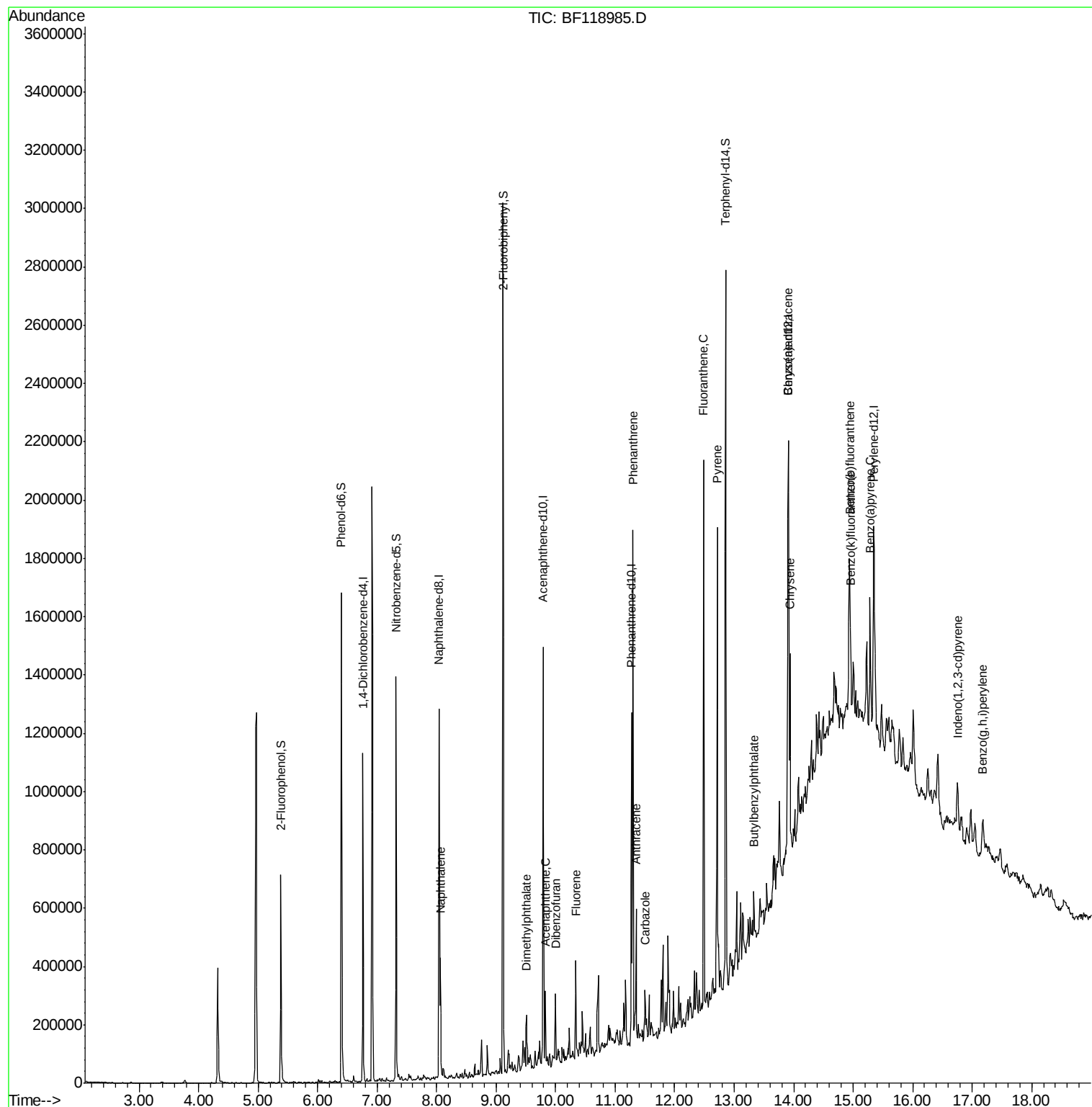
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

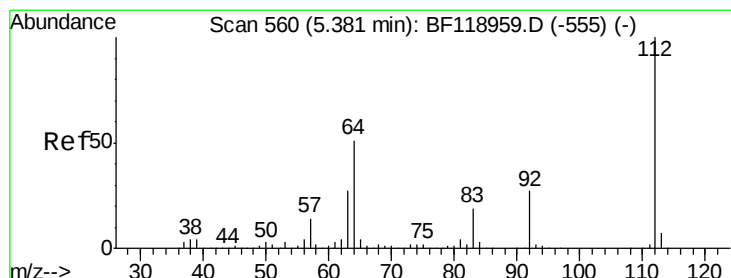
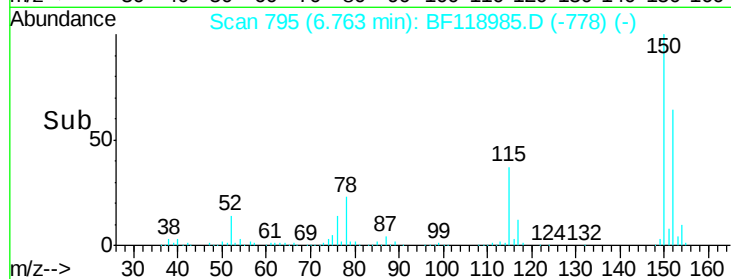
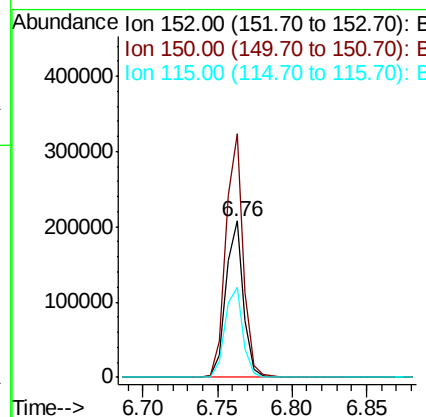
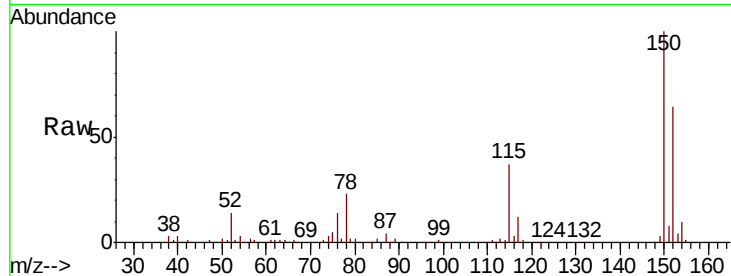
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.3	186.5
115	57.4	44.6	67.0

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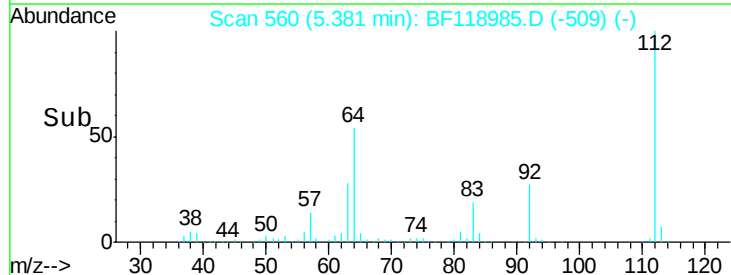
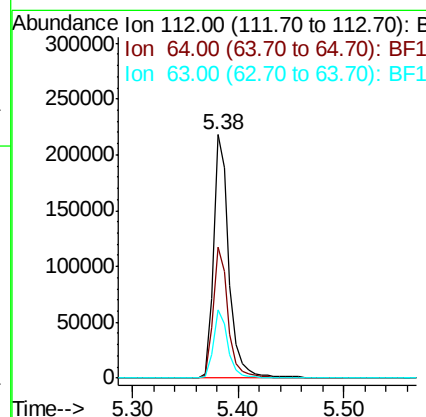
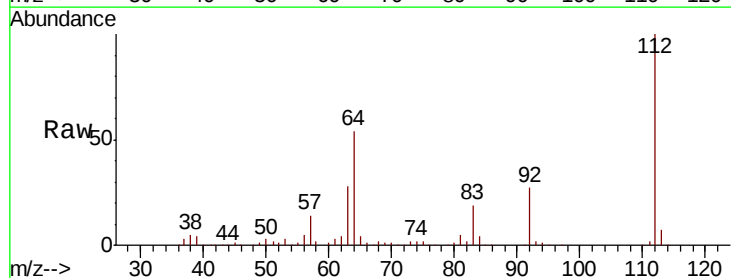
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#5

2-Fluorophenol
Concen: 21.724 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	40.4	60.6
63	28.3	21.3	31.9





#7

Phenol-d6

Concen: 47.577 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF118985.D

Acq: 21 Feb 2020 3:52

Instrument :

BNA_F

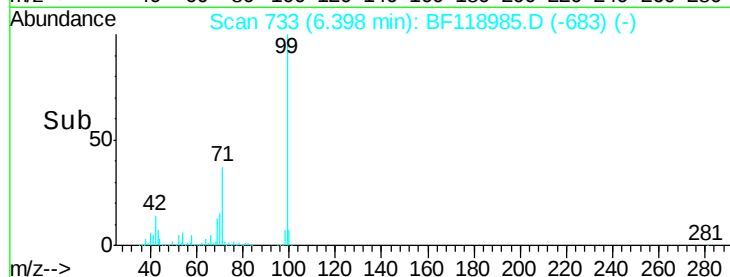
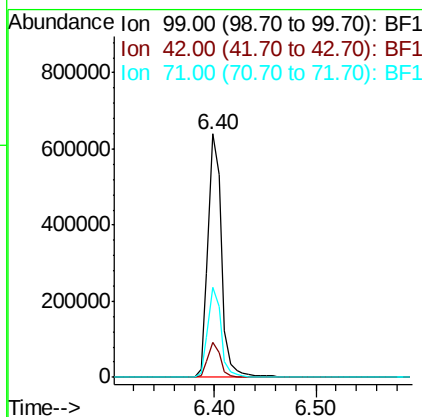
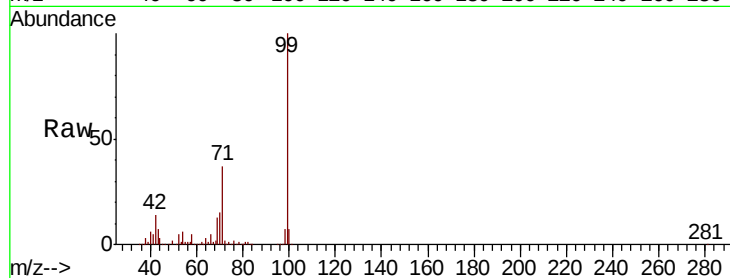
ClientSampleId :

FK-SF-01-008-A

Tot Ion:	99	Resp:	597352
Ion Ratio	Lower	Upper	
99	100		
42	14.4	11.4	17.0
71	37.2	29.8	44.6

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#21

Naphthalene-d8

Concen: 20.000 ng

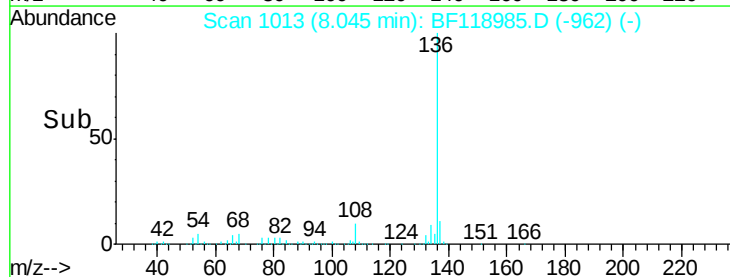
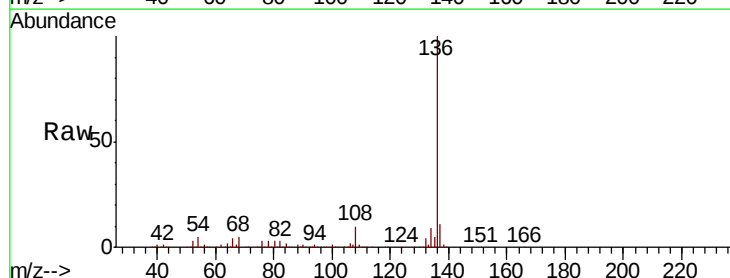
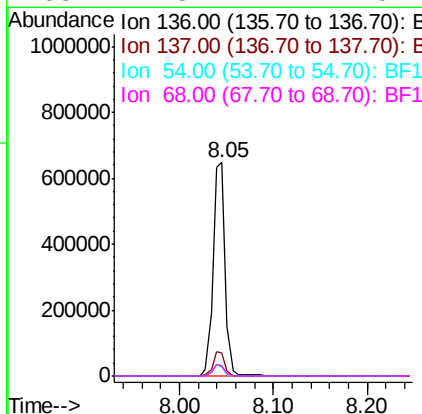
RT: 8.05 min Scan# 1013

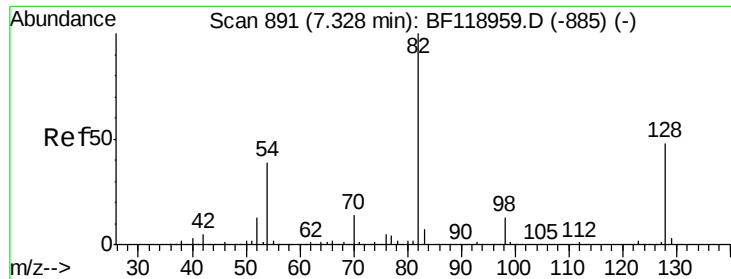
Delta R.T. -0.00 min

Lab File: BF118985.D

Acq: 21 Feb 2020 3:52

Tgt Ion:	136	Resp:	597052
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	4.5	3.8	5.6
68	4.8	4.2	6.2





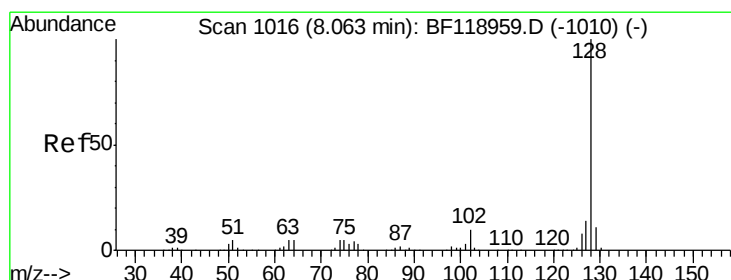
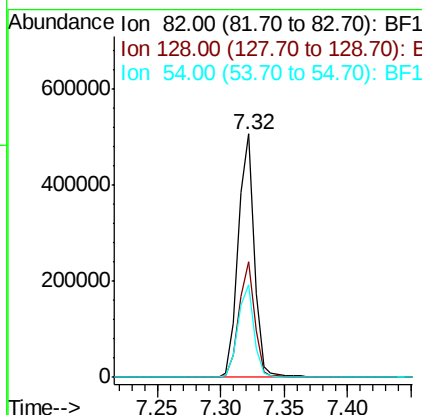
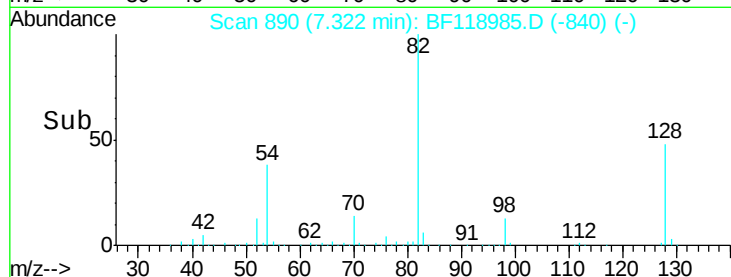
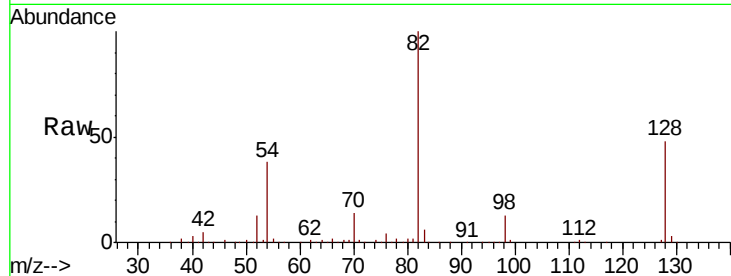
#23
Nitrobenzene-d5
Concen: 38.711 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	38.2	57.2
54	38.1	31.3	46.9

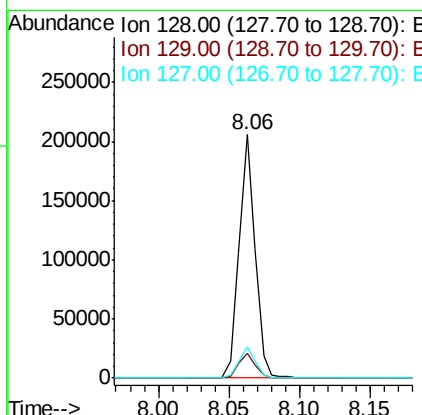
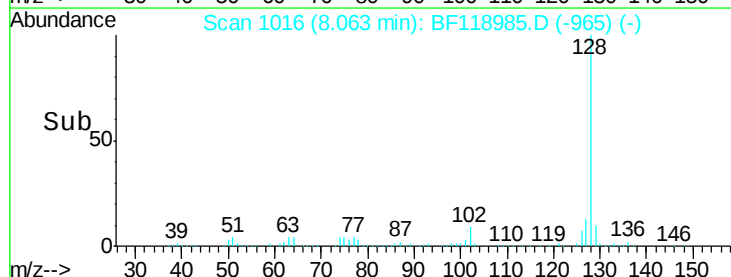
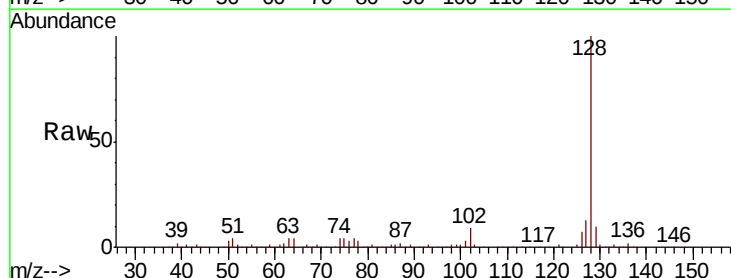
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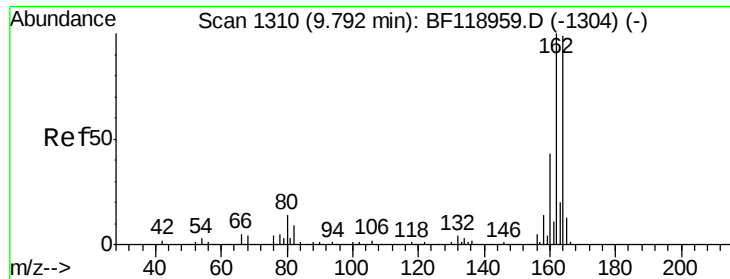
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#31
Naphthalene
Concen: 5.286 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.0	13.4
127	12.9	10.9	16.3





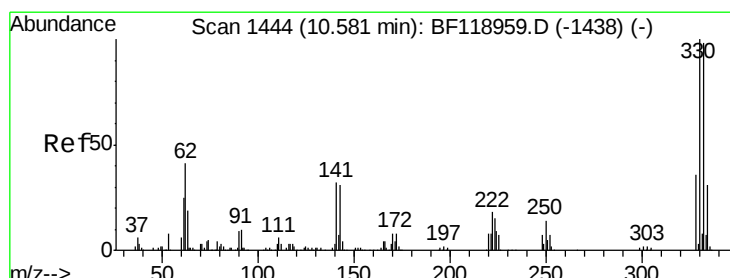
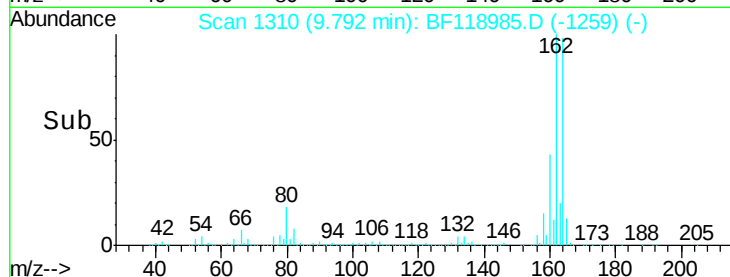
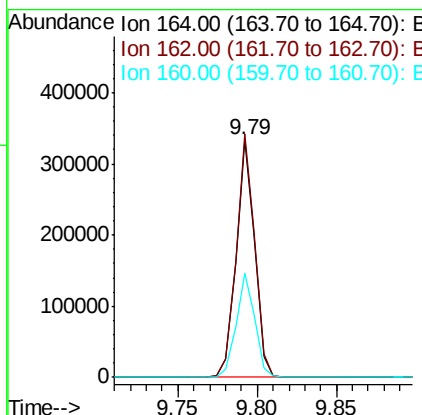
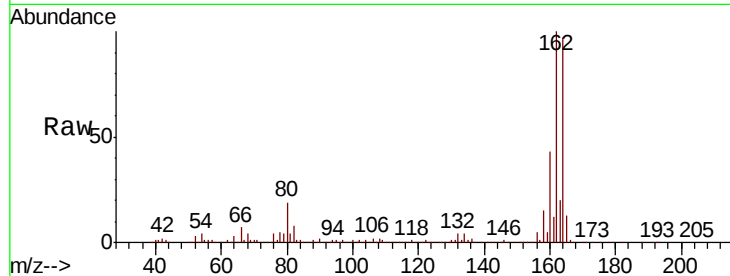
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	81.2	121.8	
160	44.0	35.2	52.8	

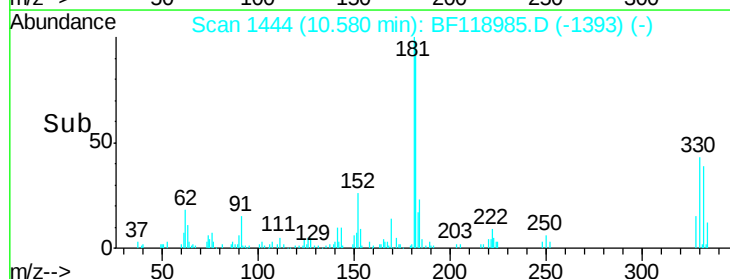
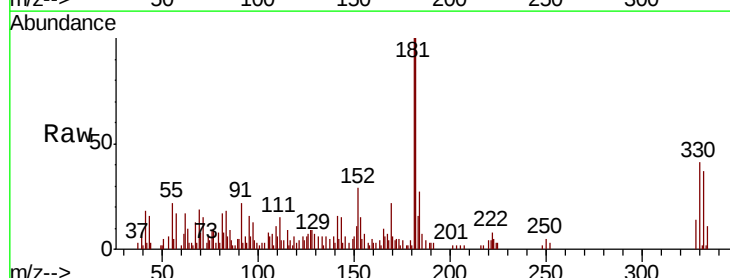
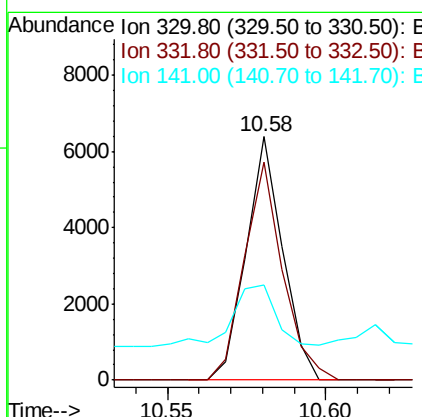
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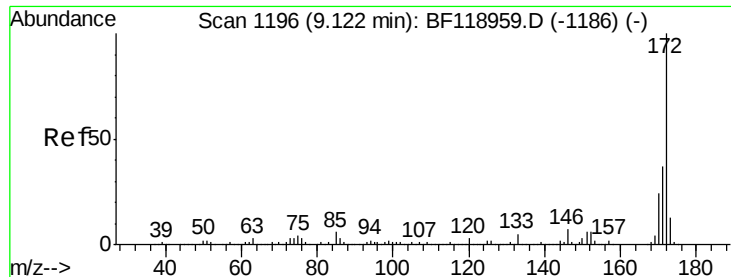
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#42
2,4,6-Tribromophenol
Concen: 1.456 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.1	77.1	115.7	
141	34.7	23.0	34.6	





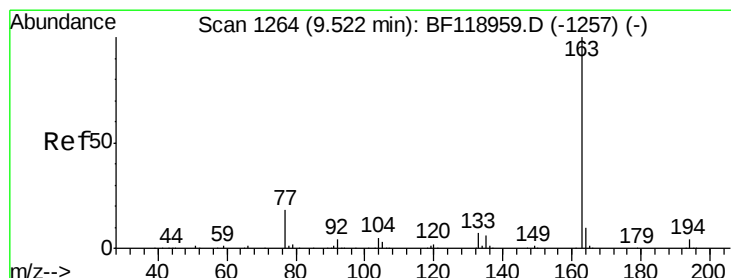
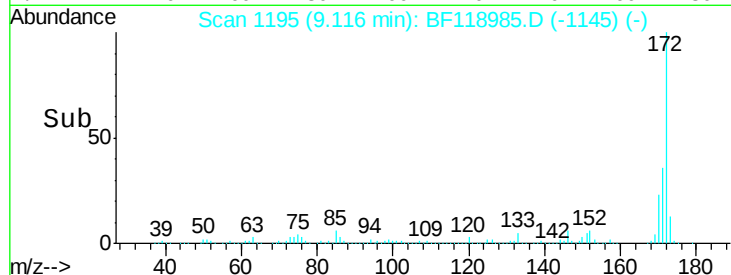
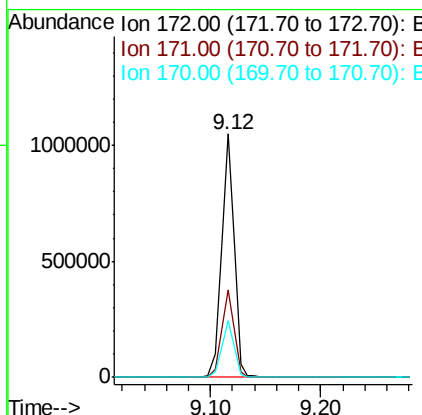
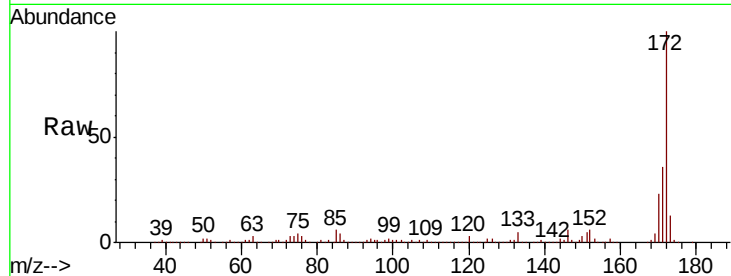
#45
2-Fluorobiphenyl
Concen: 46.269 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-A

Tot Ion	Ratio	Resp	Lower	Upper
172	100	843652		
171	36.1		29.4	44.2
170	23.5		19.6	29.4

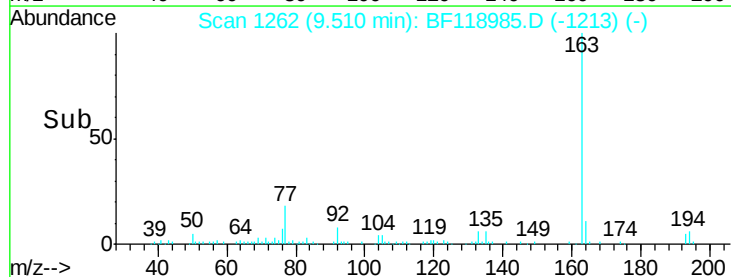
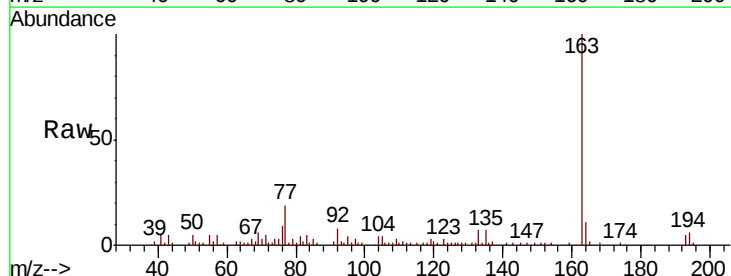
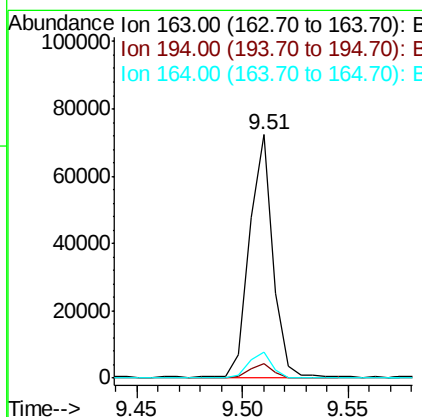
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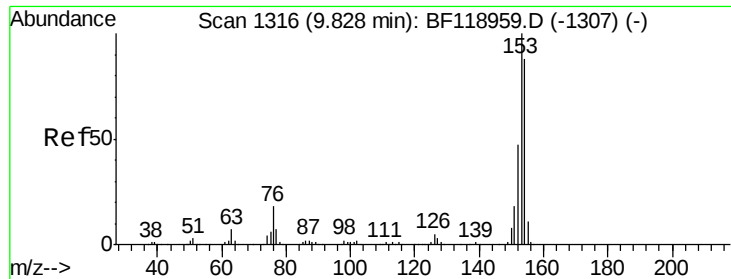
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#50
Dimethylphthalate
Concen: 2.744 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	56357		
194	5.7		3.4	5.2#
164	10.6		8.2	12.2





#52

Acenaphthene

Concen: 3.491 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BF118985.D

Acq: 21 Feb 2020 3:52

Instrument :

BNA_F

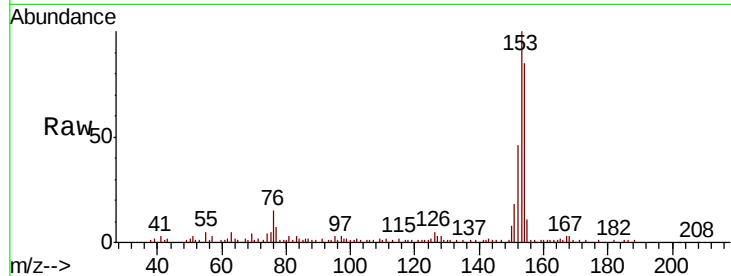
ClientSampleId :

FK-SF-01-008-A

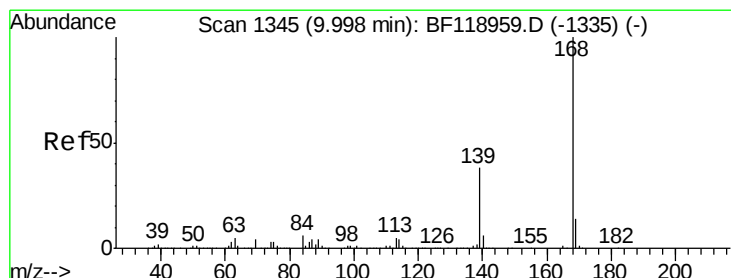
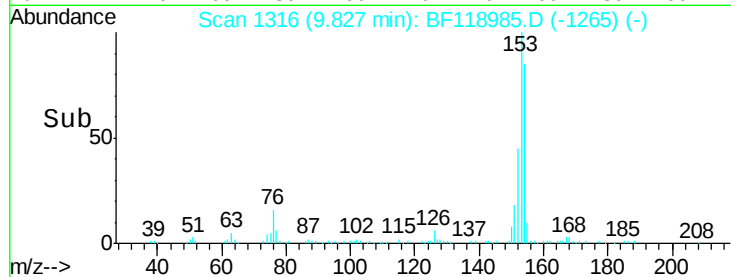
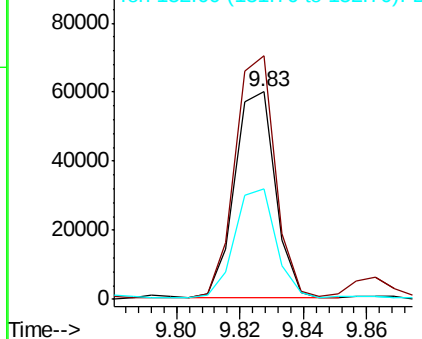
Tot Ion:	154	Resp:	53188
Ion Ratio	Lower	Upper	
154	100		
153	117.4	90.4	135.6
152	53.5	42.9	64.3

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 3.213 ng

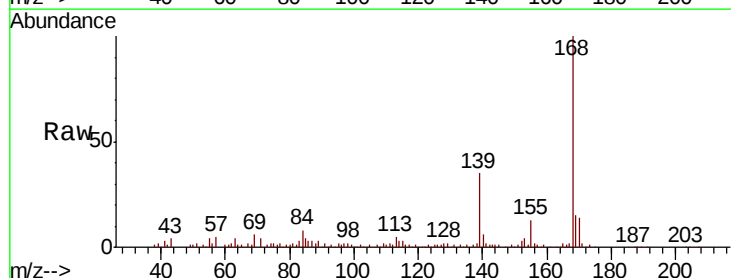
RT: 10.00 min Scan# 1345

Delta R.T. -0.00 min

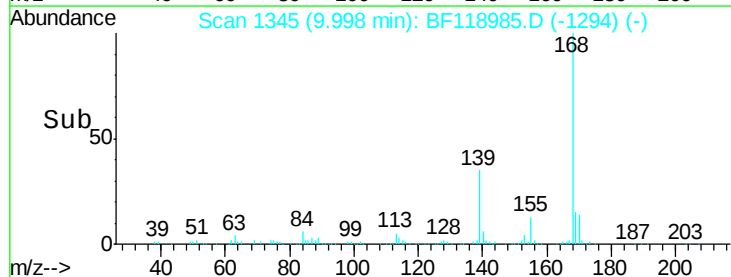
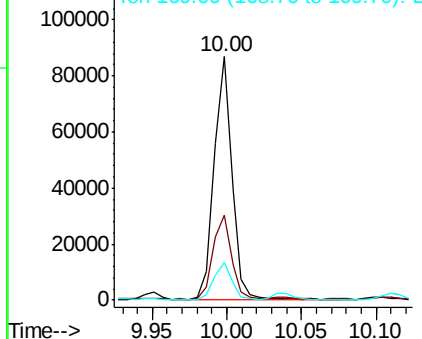
Lab File: BF118985.D

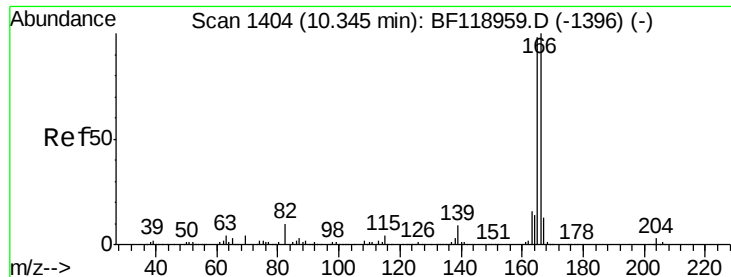
Acq: 21 Feb 2020 3:52

Tgt Ion:	168	Resp:	73064
Ion Ratio	Lower	Upper	
168	100		
139	34.8	31.7	47.5
169	15.2	11.0	16.4



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





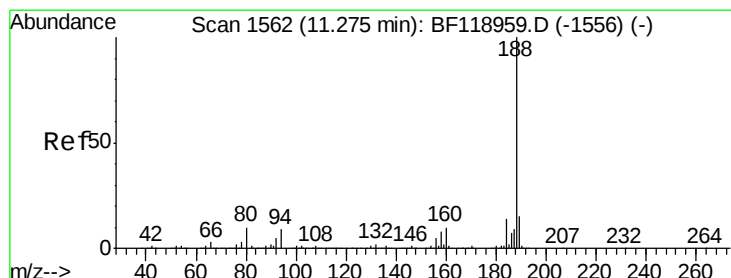
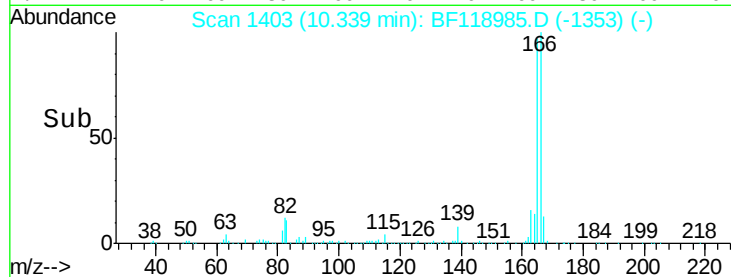
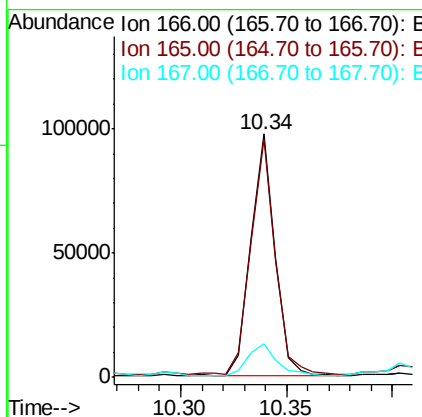
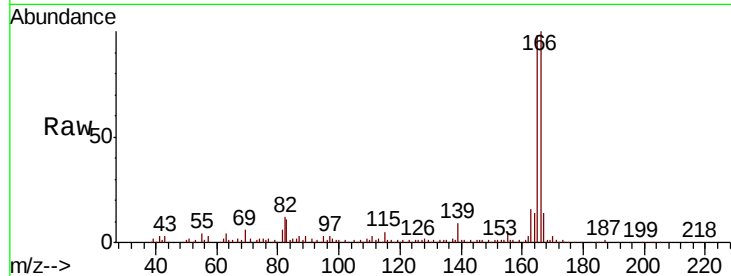
#58
 Fluorene
 Concen: 4.393 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BF118985.D
 Acq: 21 Feb 2020 3:52

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-008-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		77630		
165	98.0	78.2	117.4		
167	13.6	10.6	16.0		

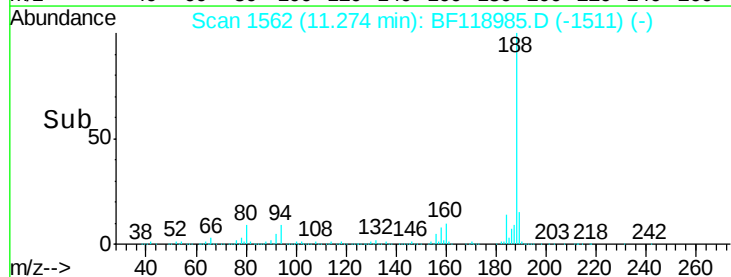
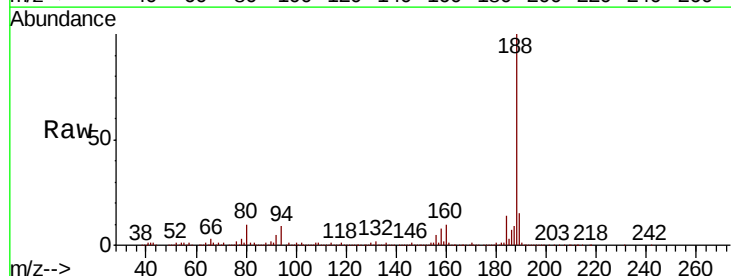
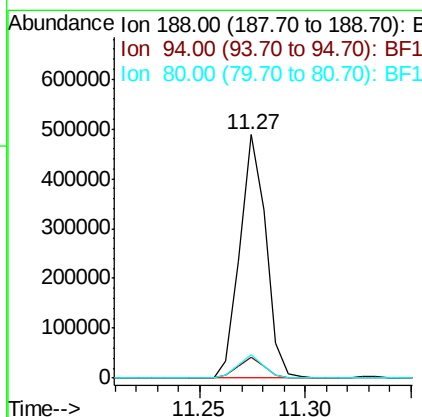
Manual Integrations
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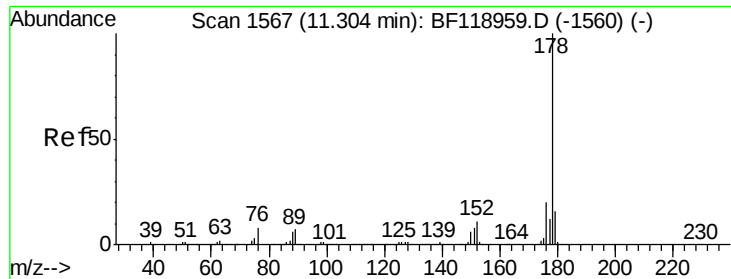
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF118985.D
 Acq: 21 Feb 2020 3:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		417159		
94	8.6	7.0	10.6		
80	9.5	7.9	11.9		





#71

Phenanthrene

Concen: 28.692 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF118985.D

Acq: 21 Feb 2020 3:52

Instrument :

BNA_F

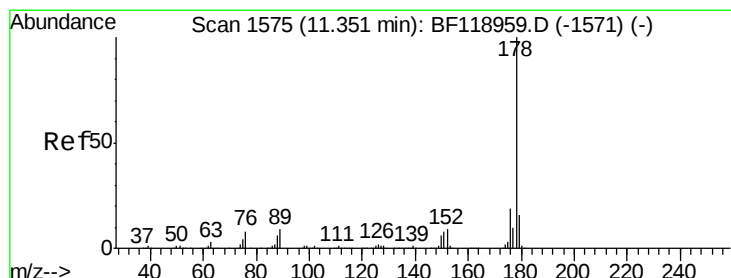
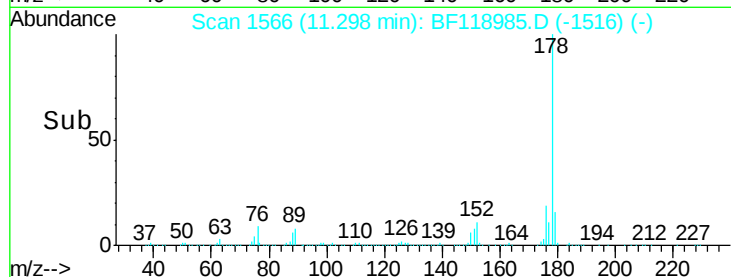
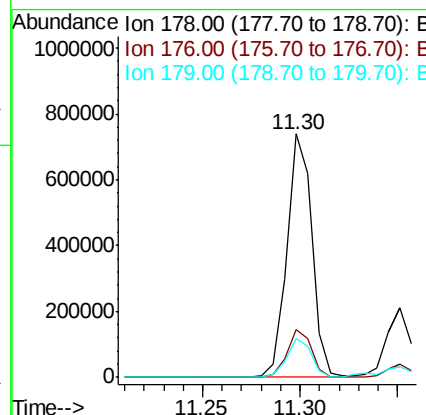
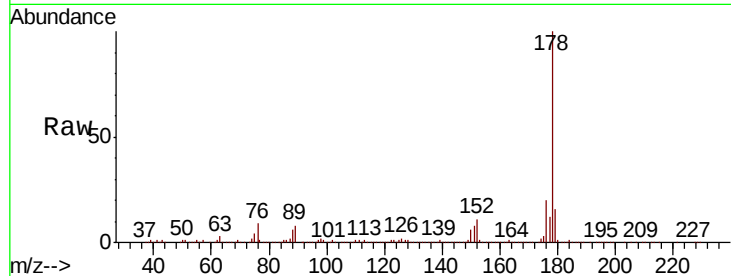
ClientSampleId :

FK-SF-01-008-A

Tot Ion:178	Resp:	652741
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.6 23.4
179	15.9	12.6 18.8

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#72

Anthracene

Concen: 7.678 ng

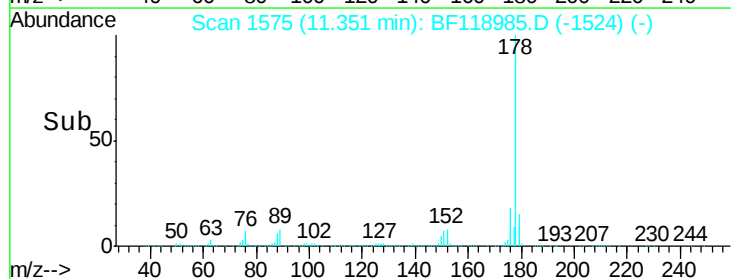
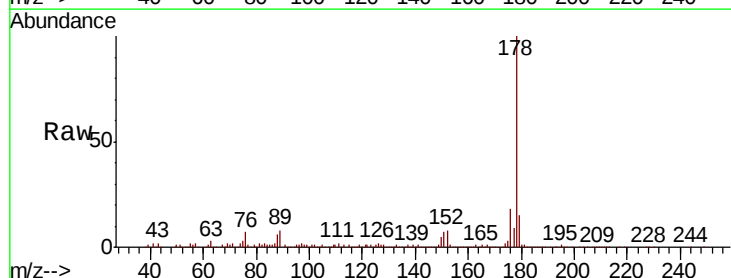
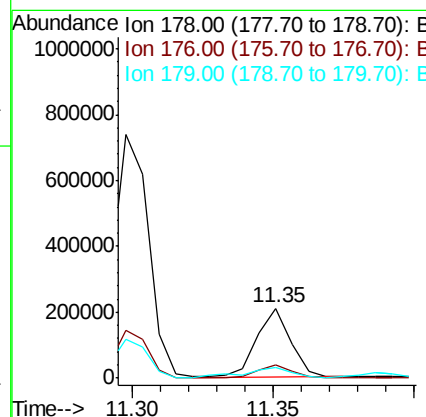
RT: 11.35 min Scan# 1575

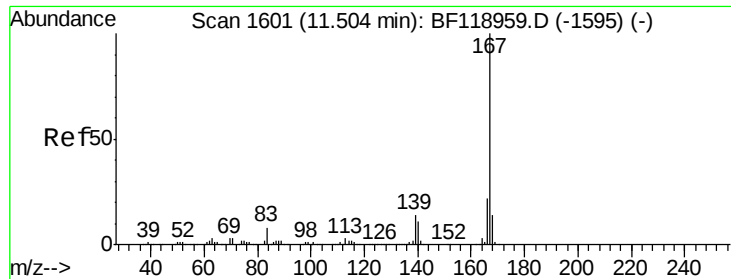
Delta R.T. -0.00 min

Lab File: BF118985.D

Acq: 21 Feb 2020 3:52

Tgt Ion:178	Resp:	174525
Ion Ratio	Lower	Upper
178	100	
176	18.2	15.4 23.2
179	15.4	12.8 19.2





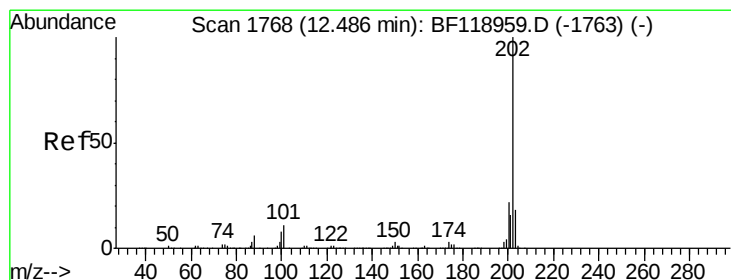
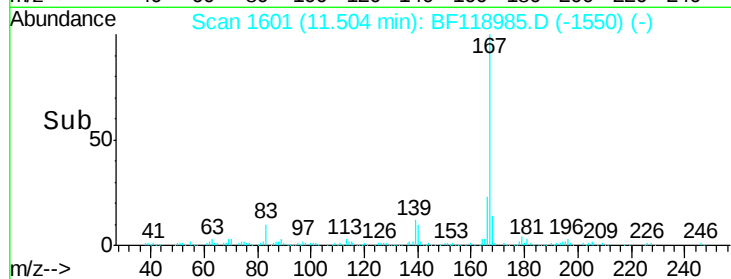
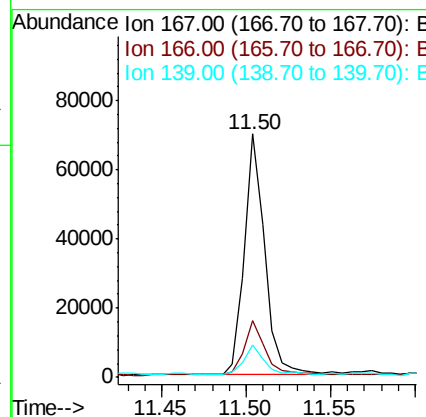
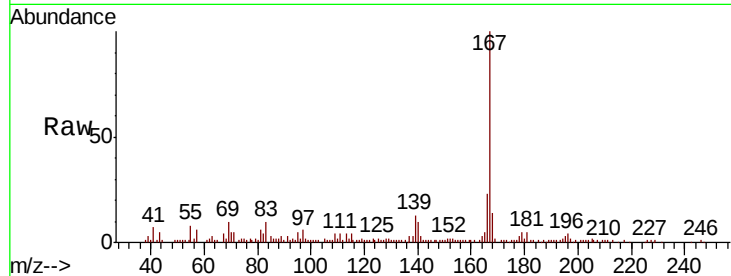
#73
 Carbazole
 Concen: 2.916 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF118985.D
 Acq: 21 Feb 2020 3:52

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-01-008-A

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.8	26.6
139	13.4	11.2	16.8

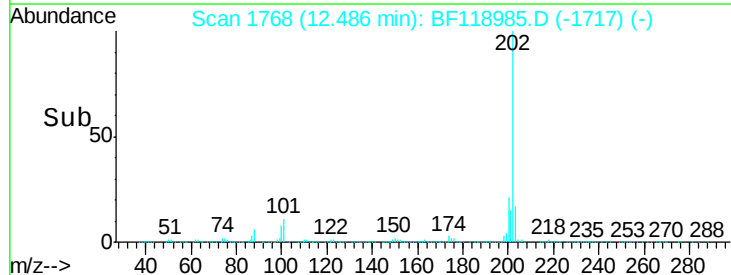
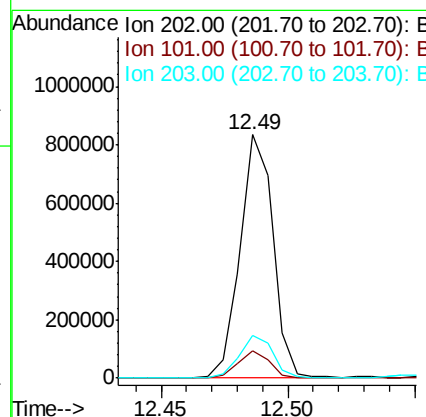
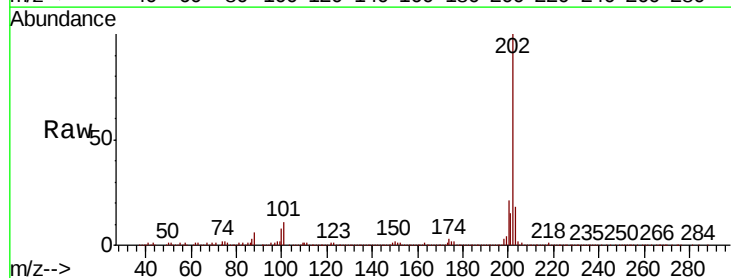
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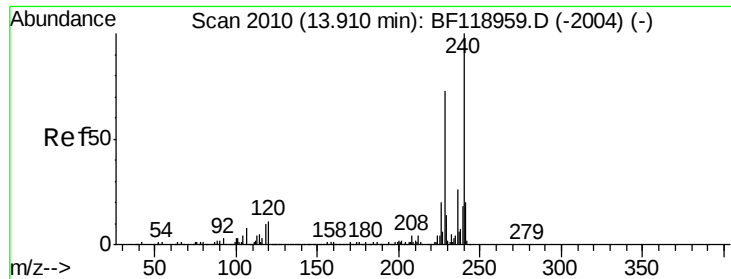
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#75
 Fluoranthene
 Concen: 31.092 ng
 RT: 12.49 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: BF118985.D
 Acq: 21 Feb 2020 3:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.1
203	17.6	0.0	38.1





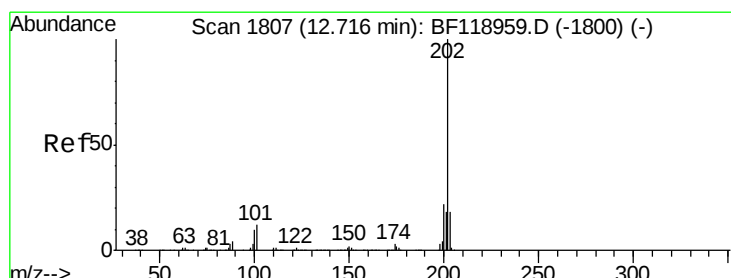
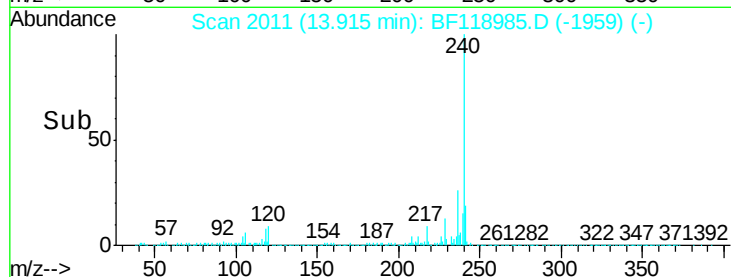
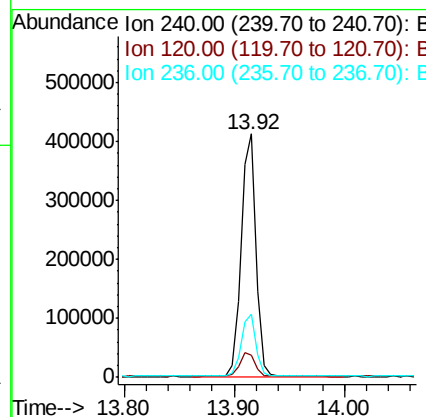
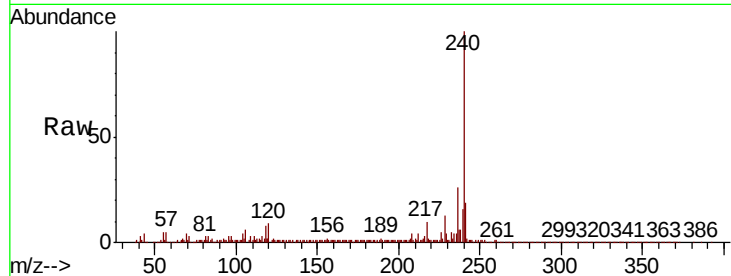
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-A

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	8.9	8.9	13.3
236	25.9	20.6	30.8

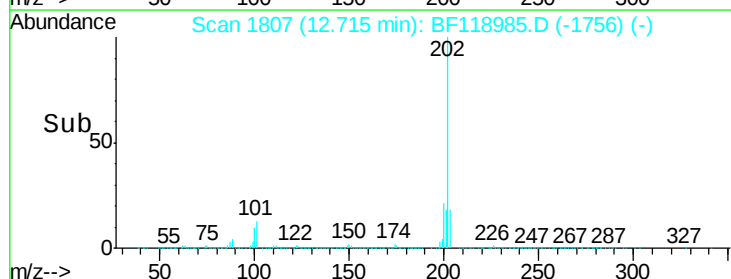
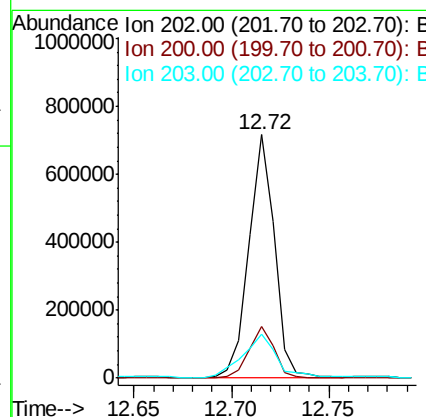
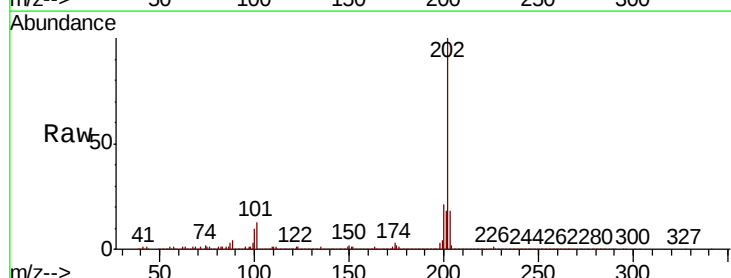
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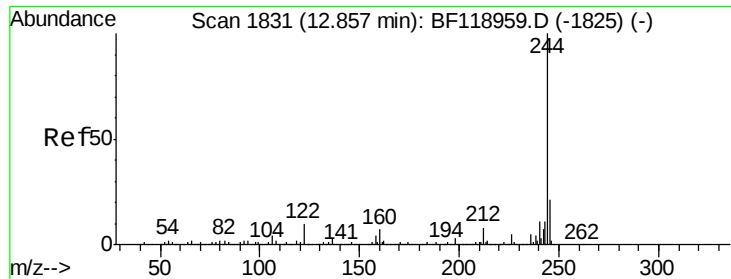
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#78
Pyrene
Concen: 21.065 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.00 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.4	26.0
203	18.2	14.5	21.7





#79

Terphenyl-d14

Concen: 36.672 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF118985.D

Acq: 21 Feb 2020 3:52

Instrument :

BNA_F

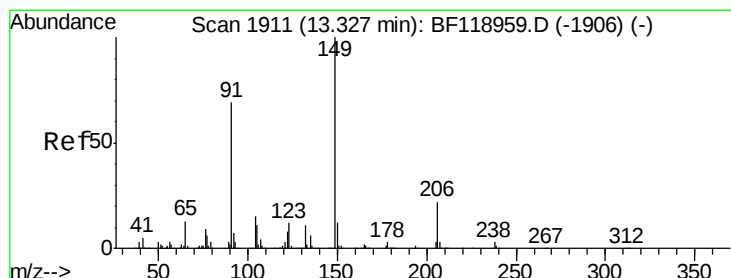
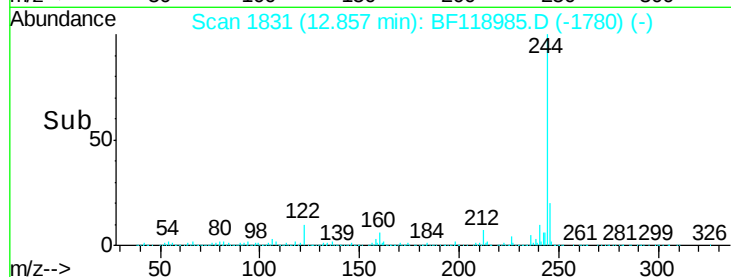
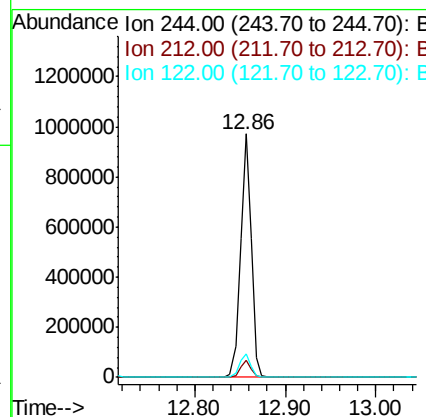
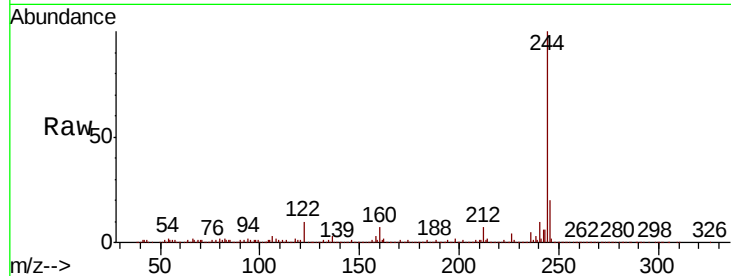
ClientSampleId :

FK-SF-01-008-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	9.8	8.4	12.6

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#80

Butylbenzylphthalate

Concen: 3.170 ng

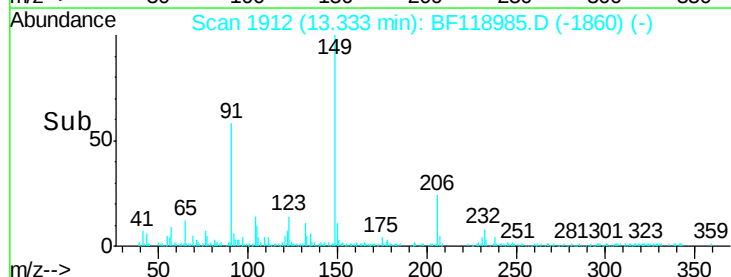
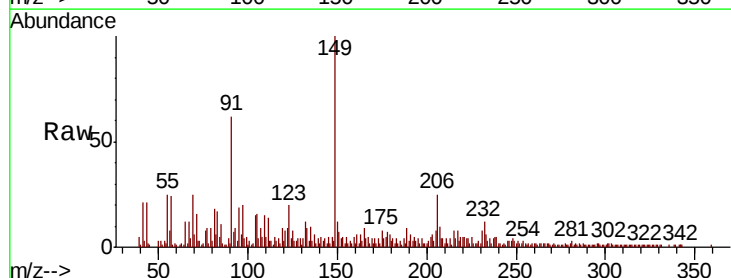
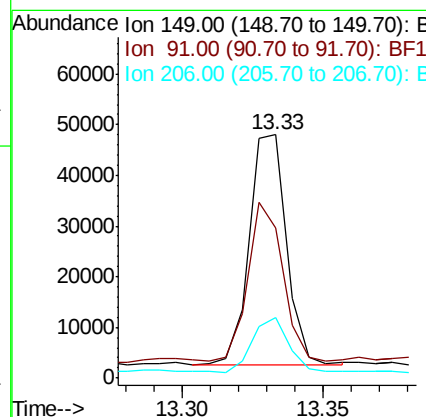
RT: 13.33 min Scan# 1912

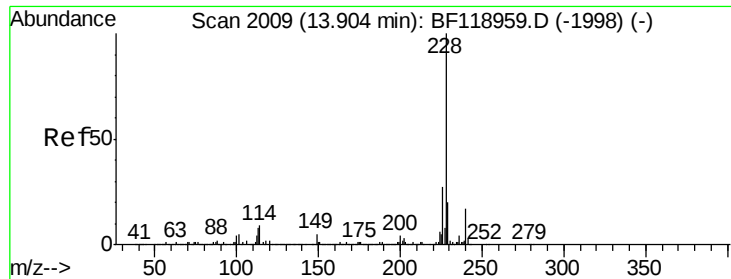
Delta R.T. 0.01 min

Lab File: BF118985.D

Acq: 21 Feb 2020 3:52

Tgt Ion	Ratio	Lower	Upper
149	100		
91	61.7	55.4	83.2
206	25.0	17.7	26.5





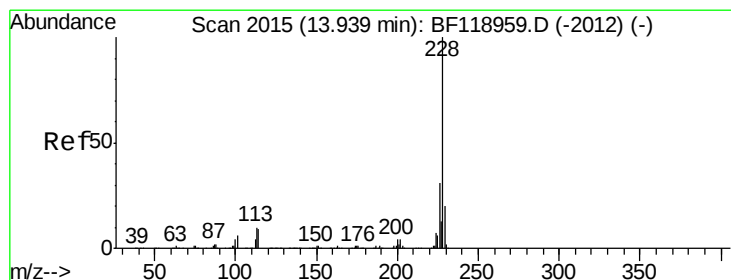
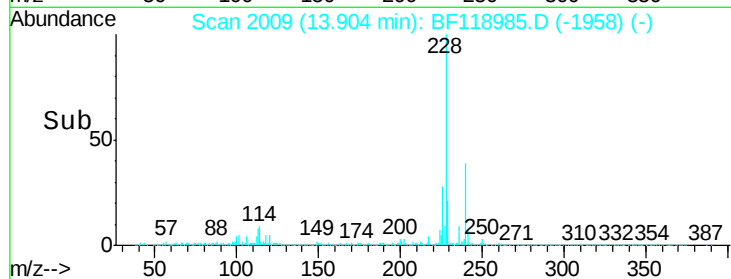
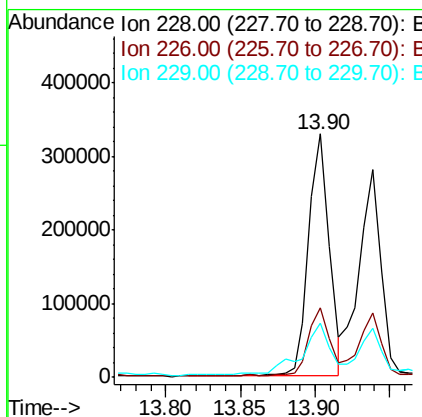
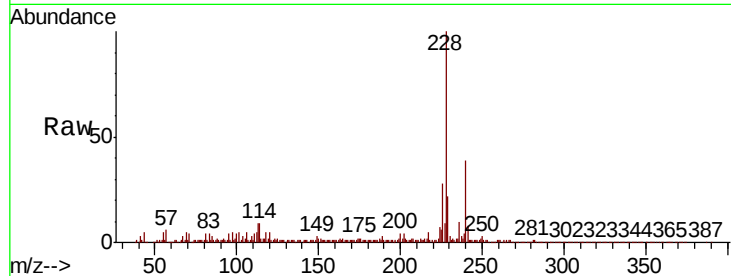
#81
Benzo(a)anthracene
Concen: 12.104 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.8	32.8
229	22.0	16.0	24.0

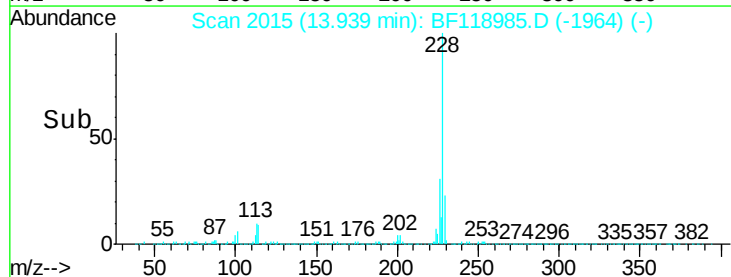
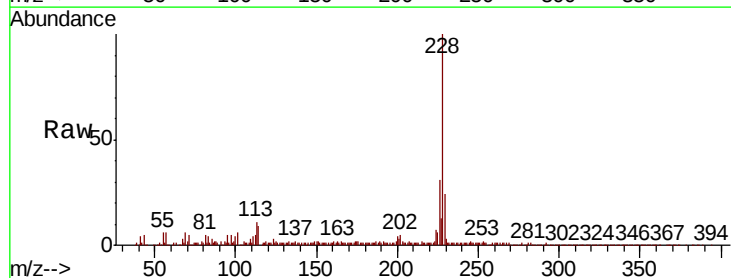
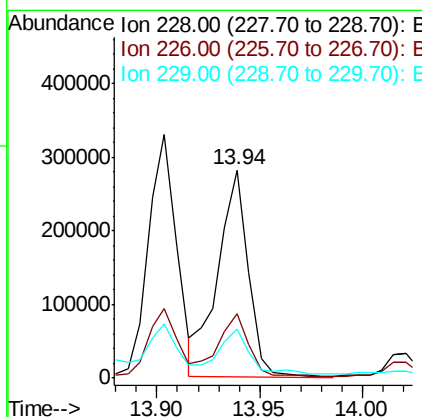
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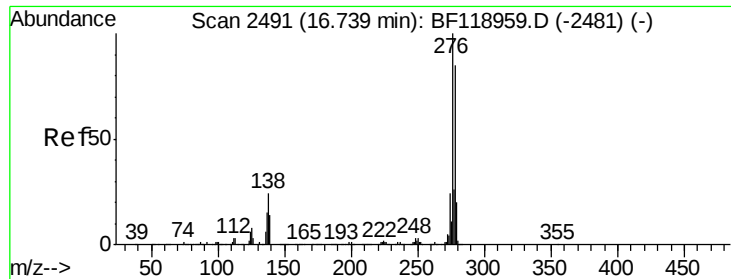
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#83
Chrysene
Concen: 11.135 ng m
RT: 13.94 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.6	37.0
229	23.6	16.2	24.2





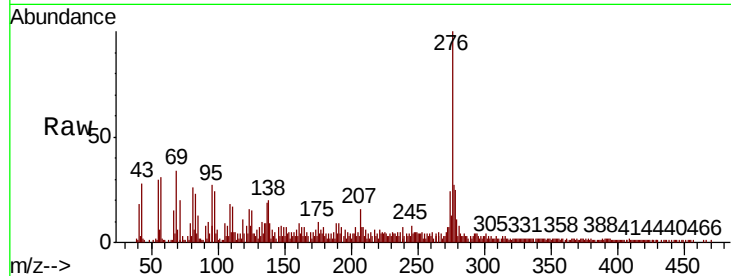
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.966 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-A

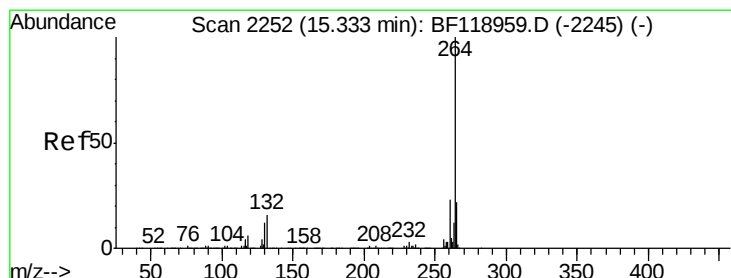
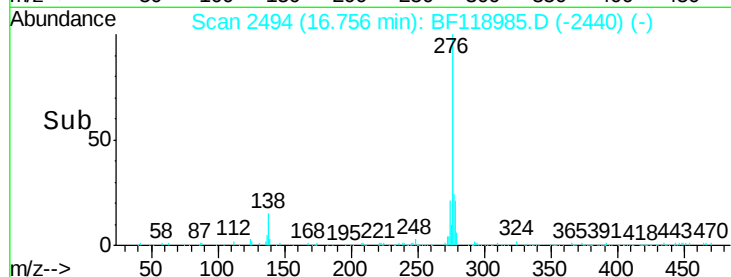
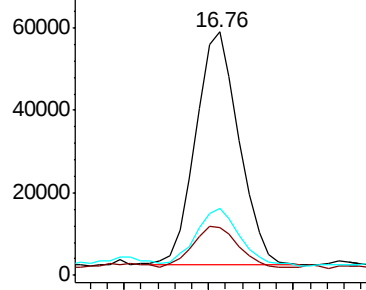
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	18.7	28.1
277	24.9	20.3	30.5

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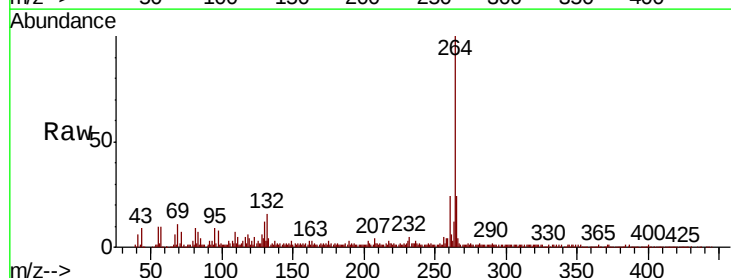


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

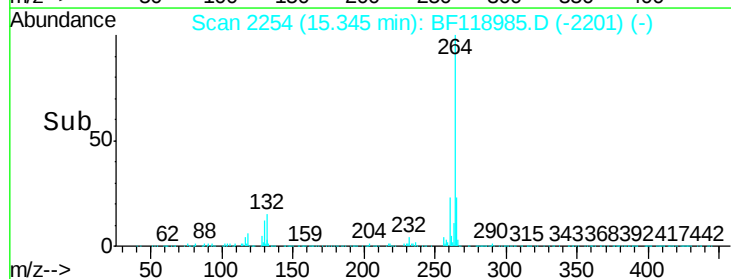
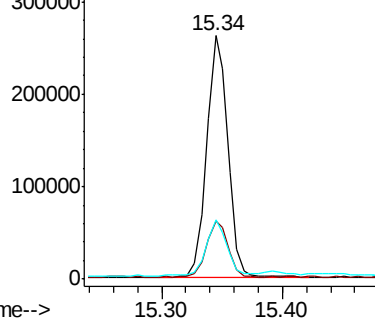


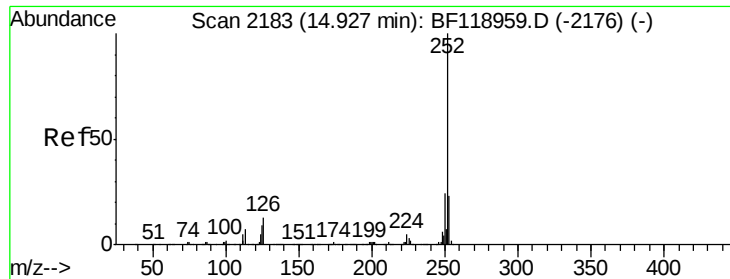
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	24.2	17.3	25.9



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





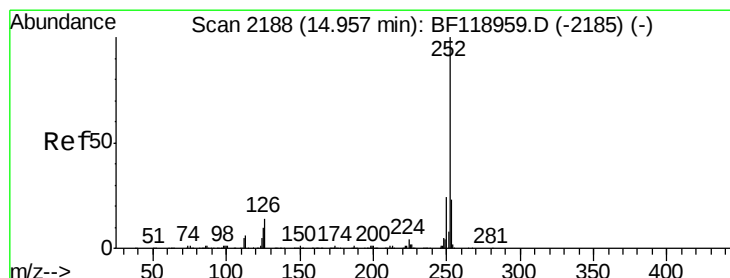
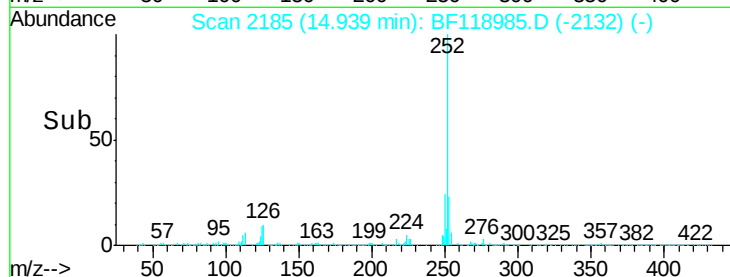
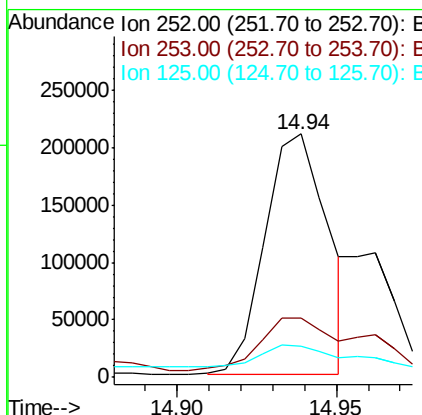
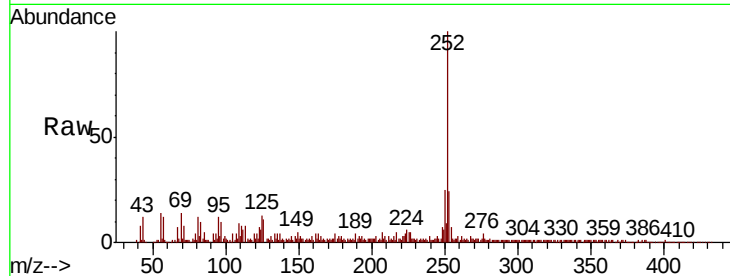
#88
Benzo(b)fluoranthene
Concen: 13.545 ng m
RT: 14.94 min Scan# 2185
Delta R.T. 0.01 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	13.0	7.4	11.0

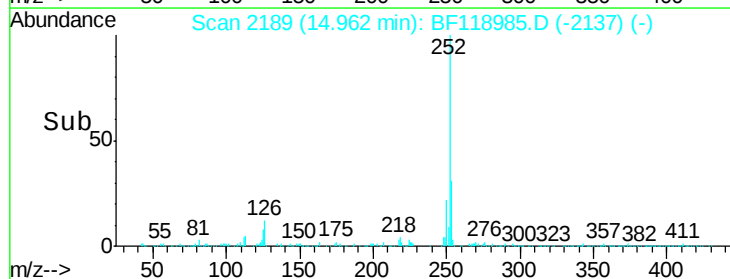
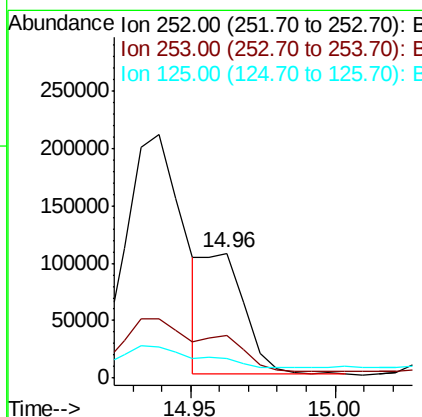
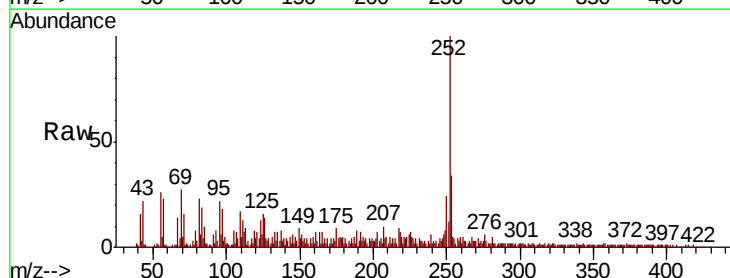
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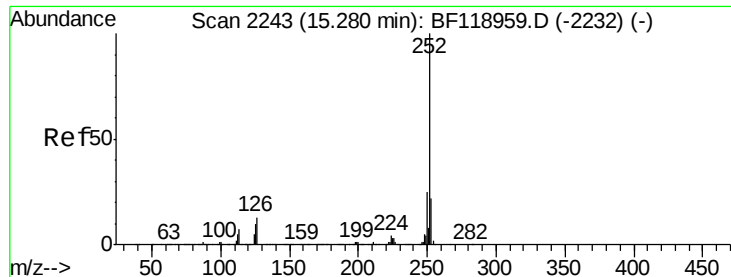
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#89
Benzo(k)fluoranthene
Concen: 5.378 ng m
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.3	17.9	26.9
125	16.2	7.3	10.9





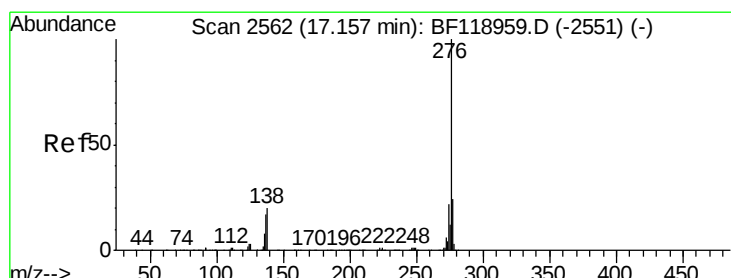
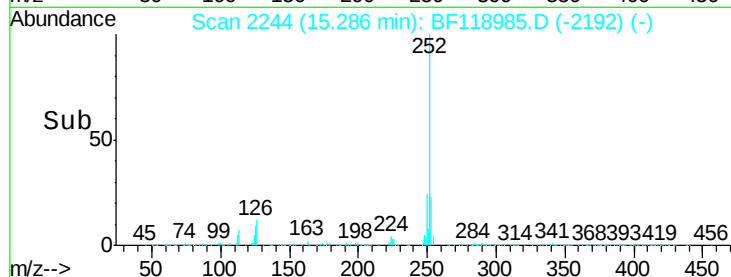
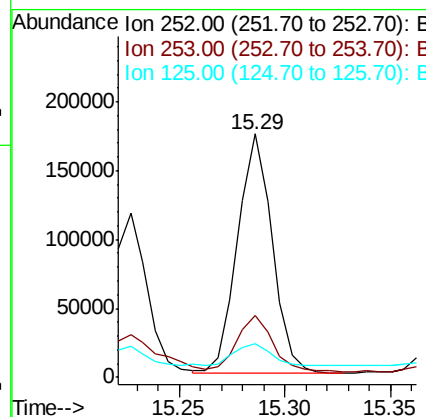
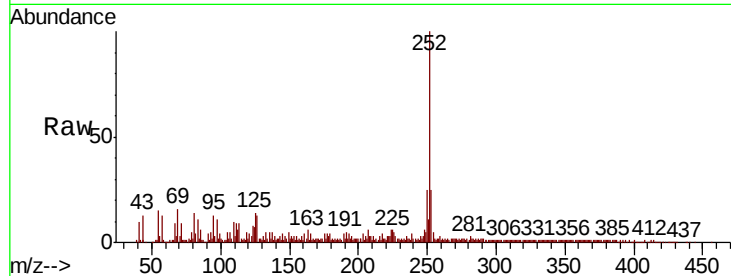
#90
Benzo(a)pyrene
Concen: 10.408 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Instrument :
BNA_F
ClientSampleId :
FK-SF-01-008-A

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.3	17.9	26.9
125	13.9	7.8	11.6

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#92
Benzo(g,h,i)perylene
Concen: 6.008 ng
RT: 17.18 min Scan# 2566
Delta R.T. 0.02 min
Lab File: BF118985.D
Acq: 21 Feb 2020 3:52

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	28.5	19.2	28.8
138	21.8	16.2	24.4

