

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
 Data File : BF118939.D
 Acq On : 14 Feb 2020 18:46
 Operator : CG/JU
 Sample : L1528-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-048-A

Manual Integrations
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Quant Time: Feb 15 04:36:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 14 00:49:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	192603	20.00	ng	-0.04
21) Naphthalene-d8	8.06	136	716066	20.00	ng	-0.05
39) Acenaphthene-d10	9.81	164	369308	20.00	ng	-0.05
64) Phenanthrene-d10	11.29	188	586493	20.00	ng	-0.05
76) Chrysene-d12	13.93	240	528022	20.00	ng	-0.05
87) Perylene-d12	15.36	264	472755	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1329076	130.62	ng	-0.03
7) Phenol-d6	6.42	99	1242895	98.40	ng	-0.04
23) Nitrobenzene-d5	7.34	82	801897	66.75	ng	-0.04
42) 2,4,6-Tribromophenol	10.60	330	367844	83.24	ng	-0.05
45) 2-Fluorobiphenyl	9.13	172	1499435	72.58	ng	-0.05
79) Terphenyl-d14	12.87	244	1675315	65.17	ng	-0.05
Target Compounds						
50) Dimethylphthalate	9.52	163	62264	2.48	ng	98
71) Phenanthrene	11.32	178	81961	2.84	ng	95
75) Fluoranthene	12.50	202	238073	7.56	ng	97
78) Pyrene	12.73	202	227077	6.27	ng	96
81) Benzo(a)anthracene	13.92	228	130362	4.15	ng	99
83) Chrysene	13.95	228	123073	3.90	ng	97
86) Indeno(1,2,3-cd)pyrene	16.77	276	81170	2.56	ng	95
88) Benzo(b)fluoranthene	14.95	252	146641m	5.00	ng	
89) Benzo(k)fluoranthene	14.97	252	55615m	2.18	ng	
90) Benzo(a)pyrene	15.30	252	107999	4.30	ng	99
92) Benzo(g,h,i)perylene	17.19	276	79867	3.73	ng	99

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

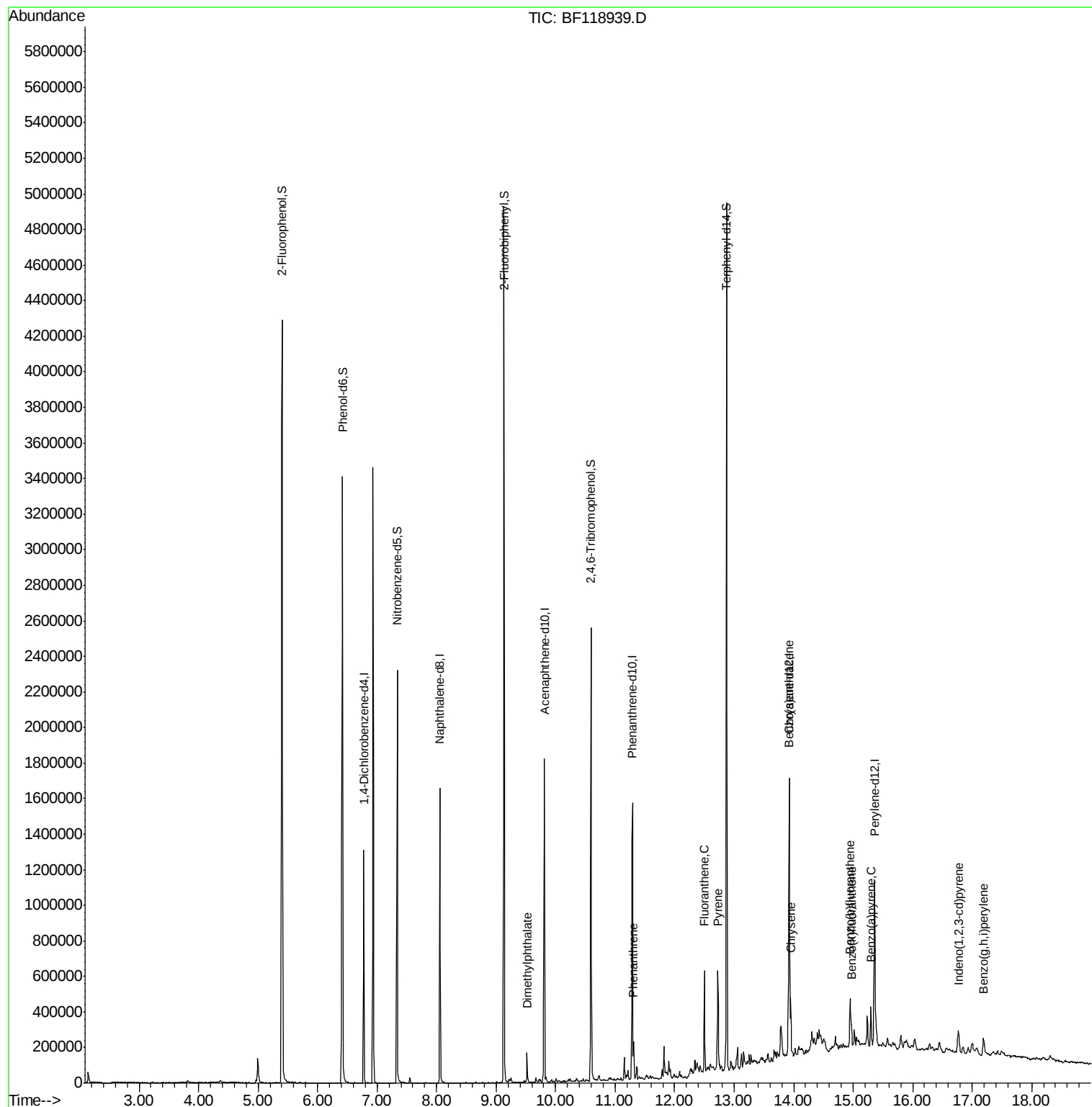
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118939.D
Acq On : 14 Feb 2020 18:46
Operator : CG/JU
Sample : L1528-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

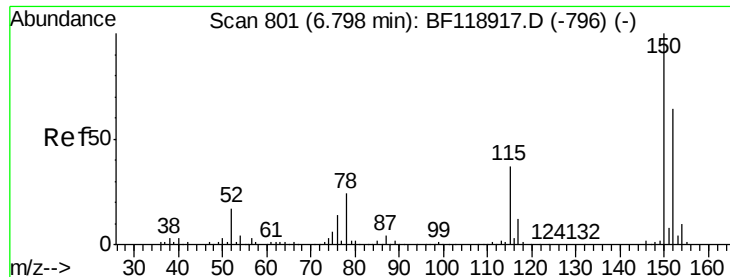
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-048-A

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Quant Time: Feb 15 04:36:47 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 14 00:49:42 2020
Response via : Initial Calibration





#1

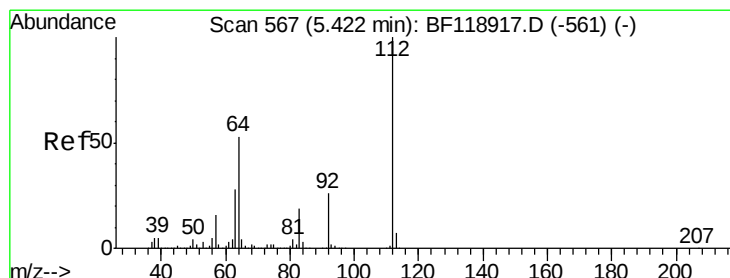
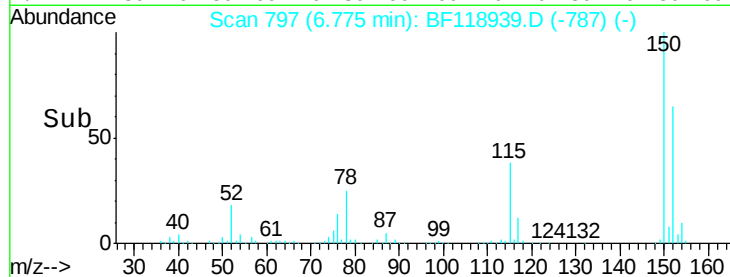
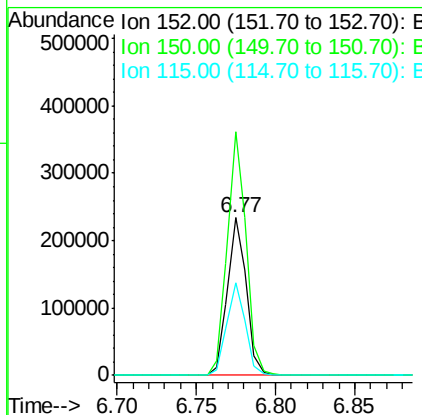
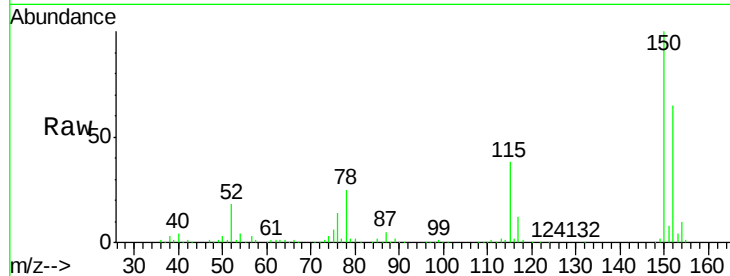
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.04 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-048-A

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	192603		
150	154.3	123.6	185.4	
115	58.9	48.2	72.2	

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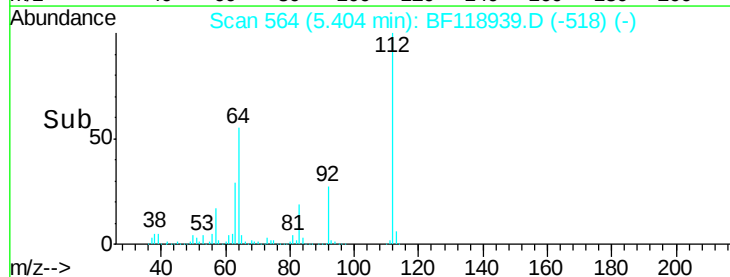
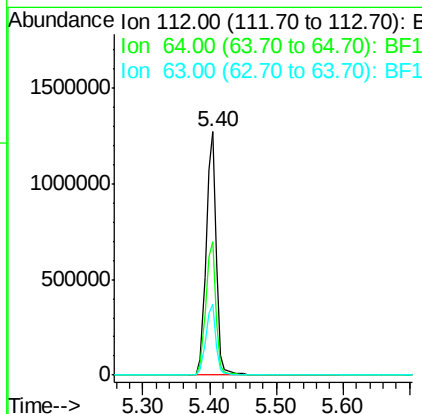
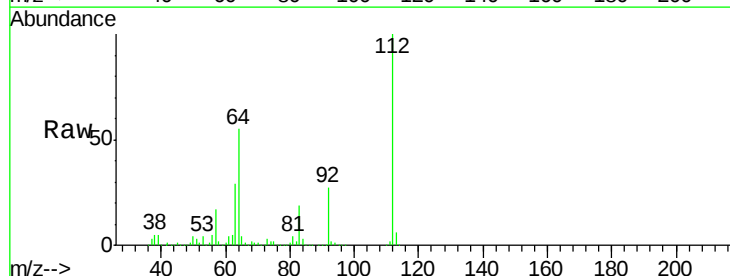
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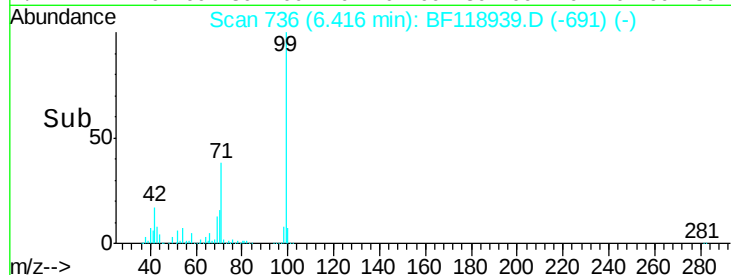
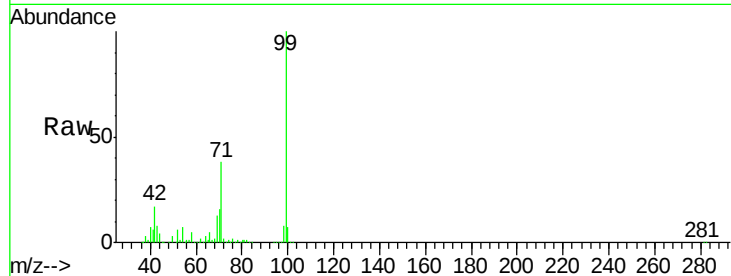
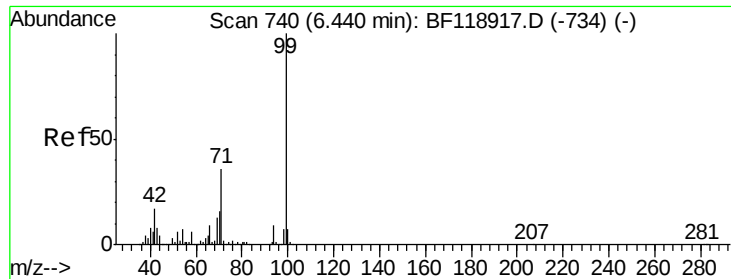


#5

2-Fluorophenol
Concen: 130.62 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1329076		
64	55.1	42.6	63.8	
63	28.9	22.2	33.4	





#7

Phenol-d6

Concen: 98.40 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.04 min

Lab File: BF118939.D

Acq: 14 Feb 2020 18:46

Tgt Ion: 99 Resp: 1242895

Ion Ratio Lower Upper

99 100

42 17.5 13.4 20.0

71 38.4 29.0 43.6

Instrument :

BNA_F

ClientSampleId :

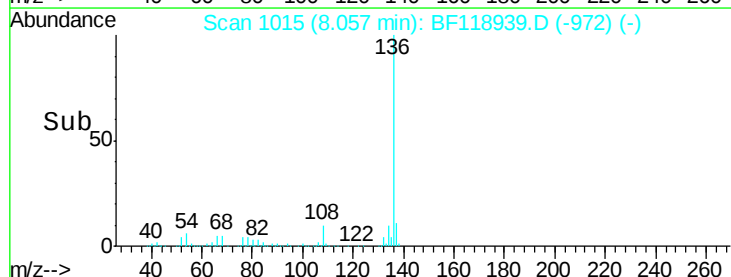
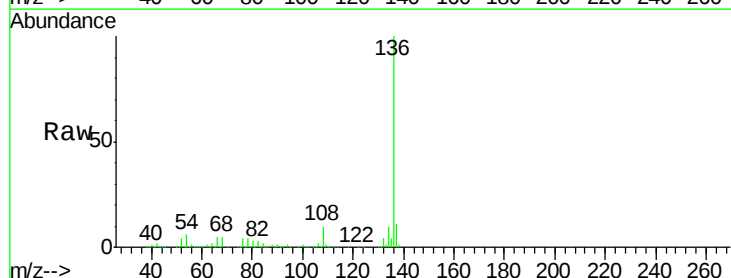
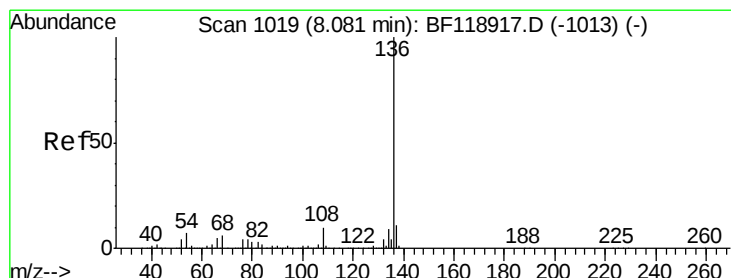
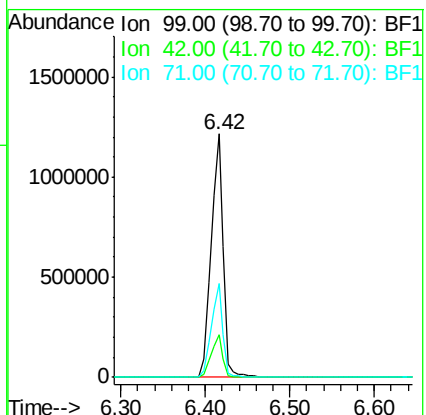
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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.05 min

Lab File: BF118939.D

Acq: 14 Feb 2020 18:46

Tgt Ion: 136 Resp: 716066

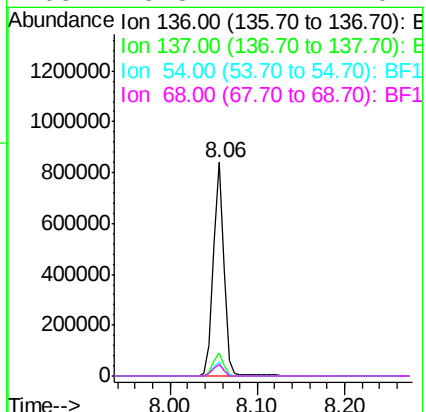
Ion Ratio Lower Upper

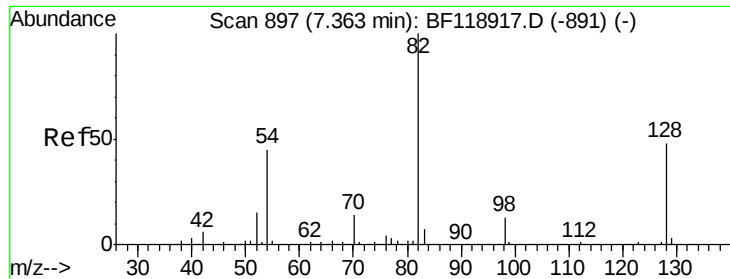
136 100

137 11.0 8.7 13.1

54 6.4 5.0 7.6

68 5.3 4.2 6.4





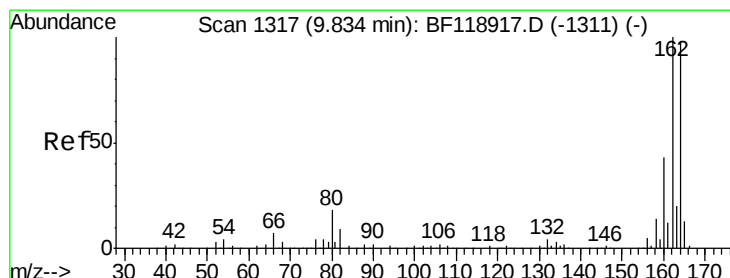
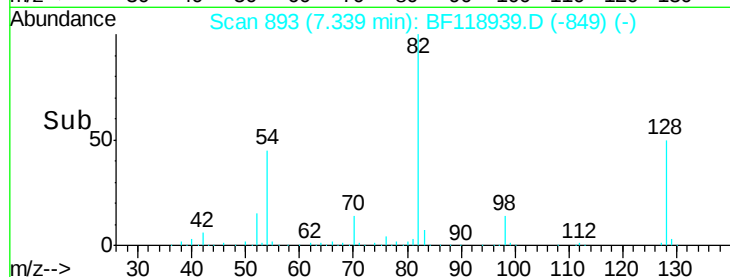
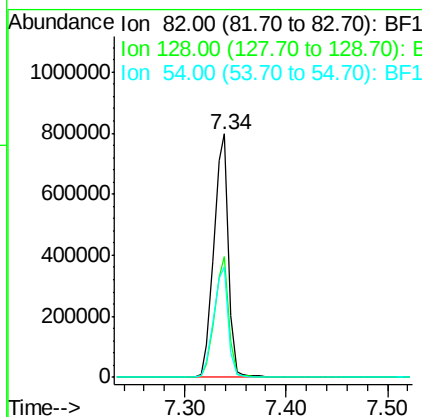
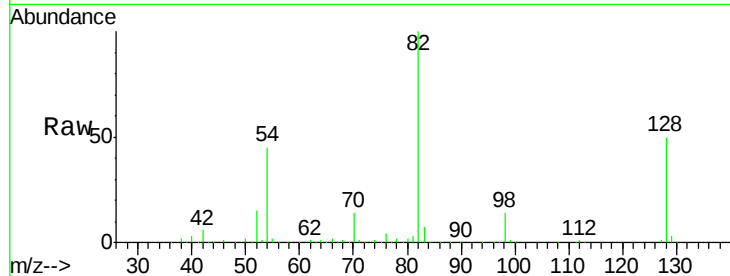
#23
 Nitrobenzene-d5
 Concen: 66.75 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.04 min
 Lab File: BF118939.D
 Acq: 14 Feb 2020 18:46

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-048-A

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	801897		
128	49.5	38.5	57.7	
54	45.2	36.7	55.1	

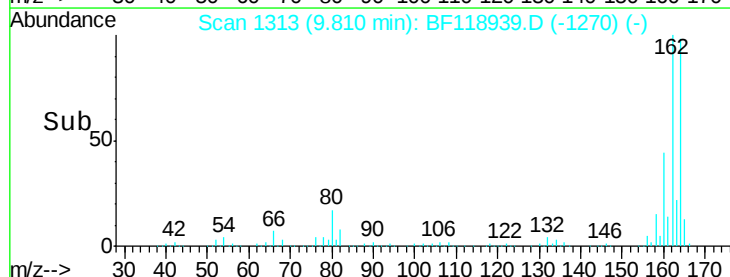
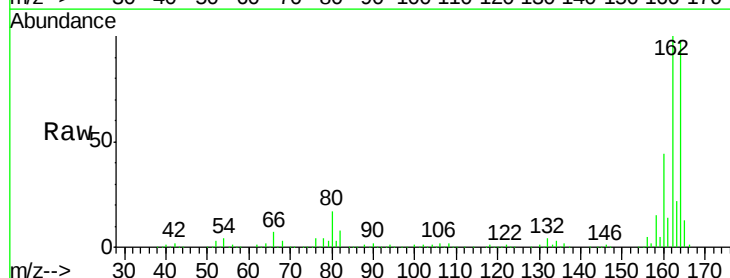
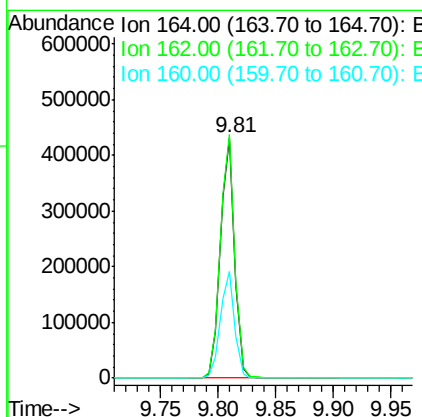
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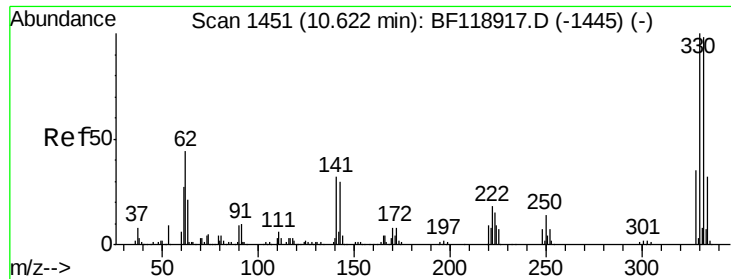
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#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.05 min
 Lab File: BF118939.D
 Acq: 14 Feb 2020 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	369308		
162	101.5	81.4	122.2	
160	44.4	35.6	53.4	





#42

2,4,6-Tribromophenol

Concen: 83.24 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.05 min

Lab File: BF118939.D

Acq: 14 Feb 2020 18:46

Instrument :

BNA_F

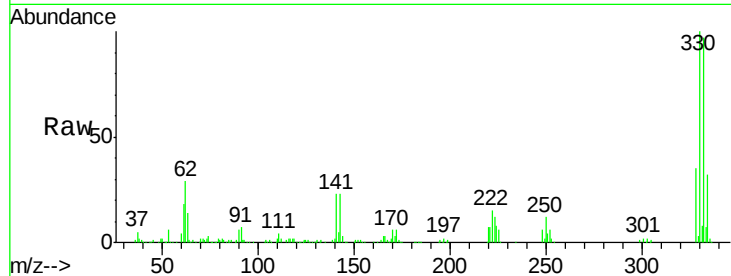
ClientSampleId :

FK-GF-02-048-A

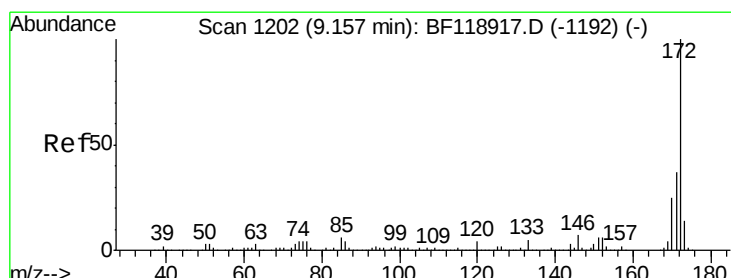
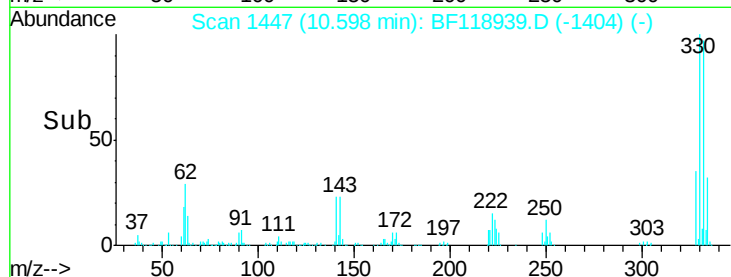
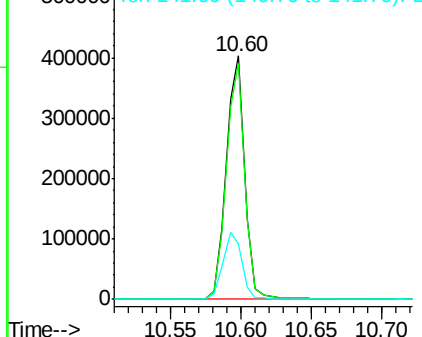
Tgt Ion:	330	Resp:	367844
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.3	115.9
141	28.6	22.4	33.6

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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: 72.58 ng

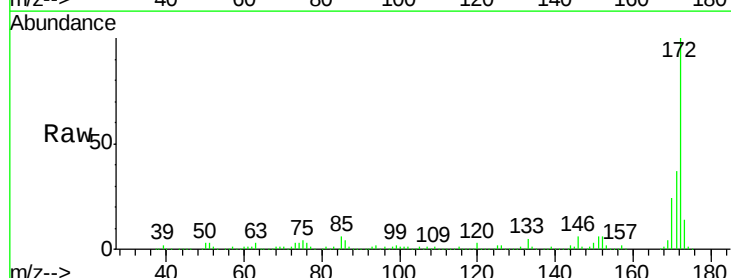
RT: 9.13 min Scan# 1198

Delta R.T. -0.05 min

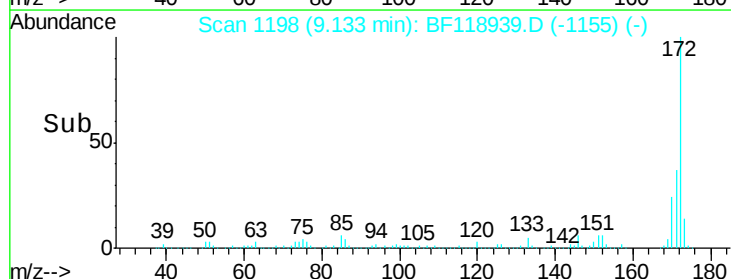
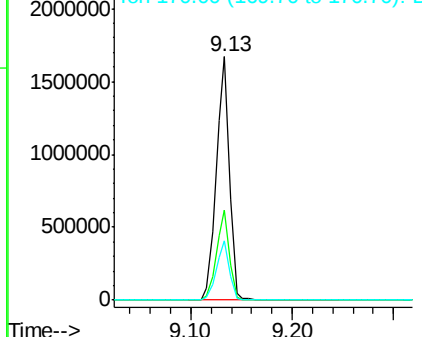
Lab File: BF118939.D

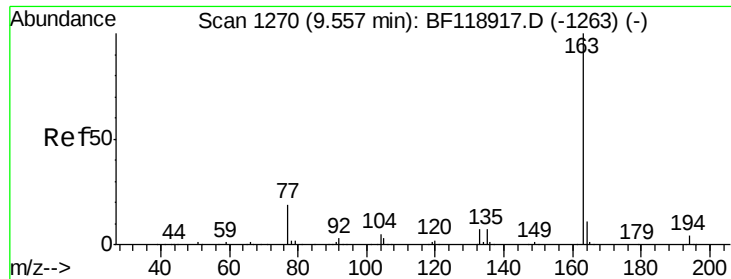
Acq: 14 Feb 2020 18:46

Tgt Ion:	172	Resp:	1499435
Ion Ratio	Lower	Upper	
172	100		
171	36.8	30.8	46.2
170	24.4	20.5	30.7



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





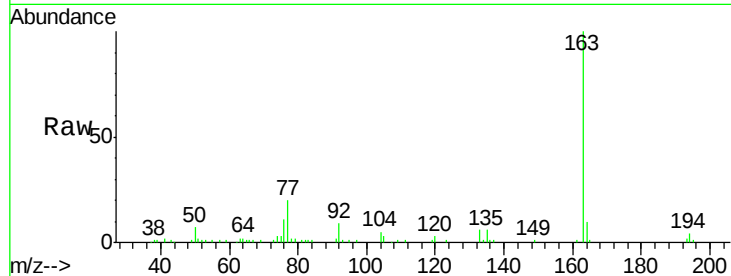
#50
Dimethylphthalate
Concen: 2.48 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.06 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-048-A

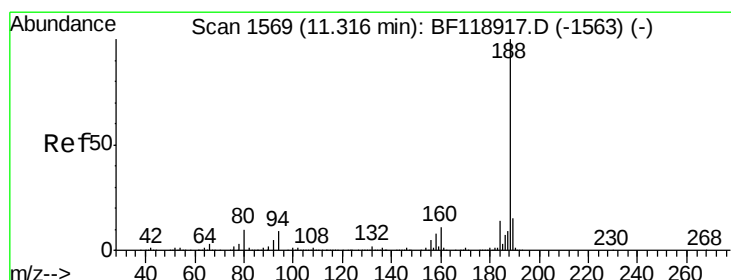
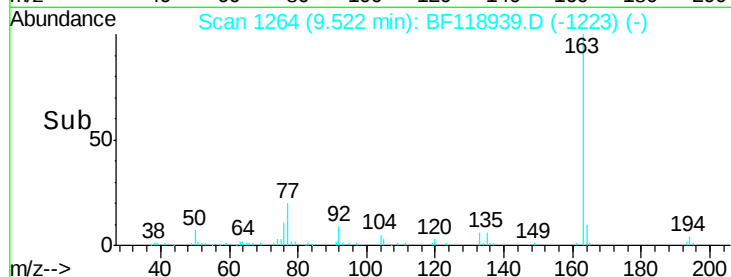
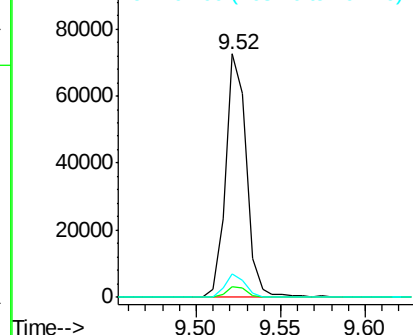
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	62264		
194	4.4		3.6	5.4
164	9.6		8.7	13.1

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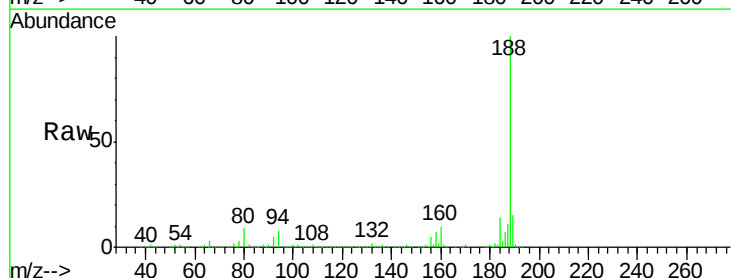


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

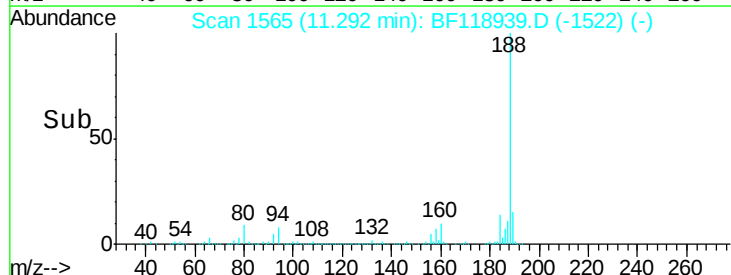
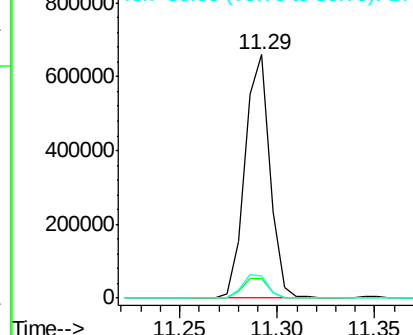


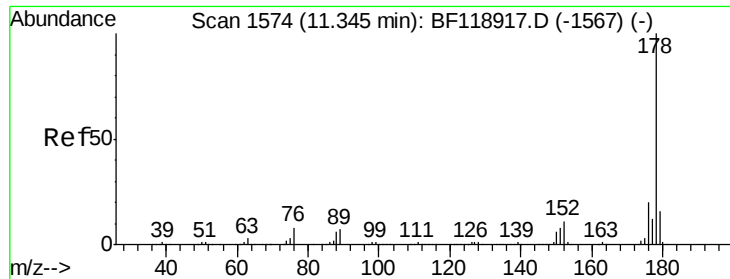
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.05 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	586493		
94	8.2		7.9	11.9
80	9.0		8.4	12.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





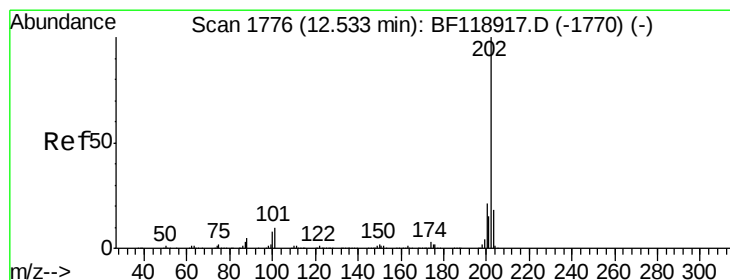
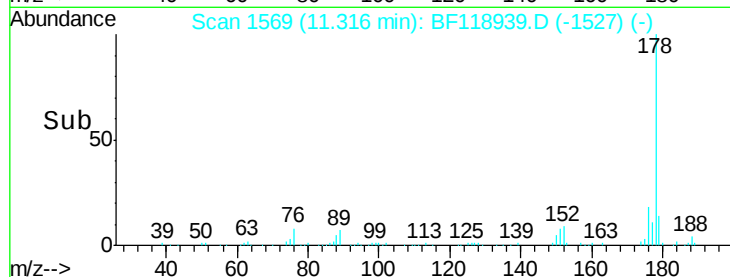
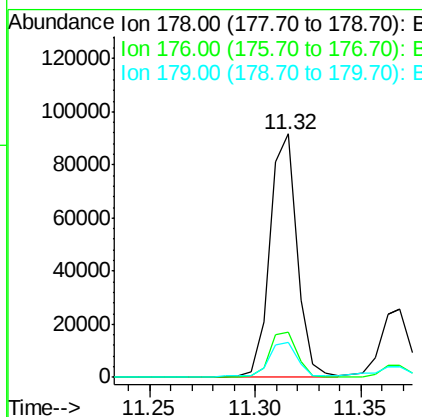
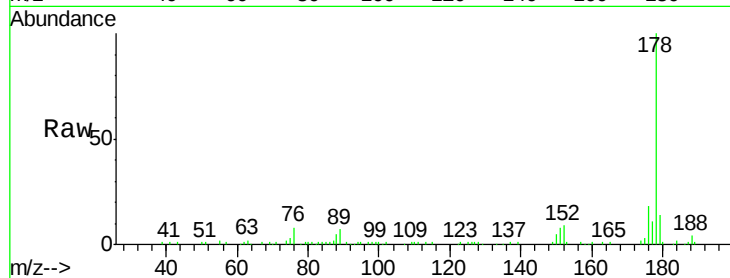
#71
Phenanthrene
Concen: 2.84 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.05 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-048-A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.6	24.8
179	14.4	13.2	19.8

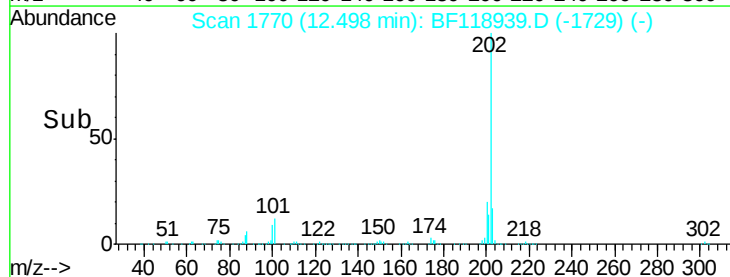
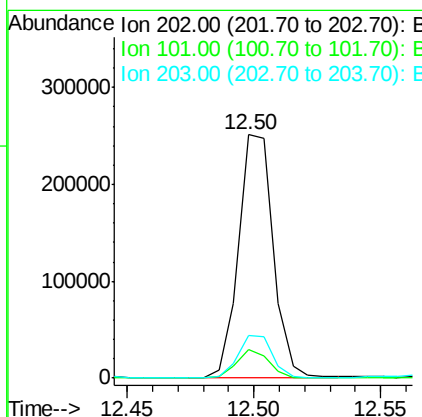
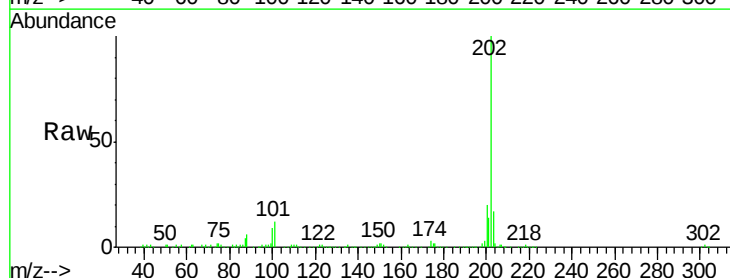
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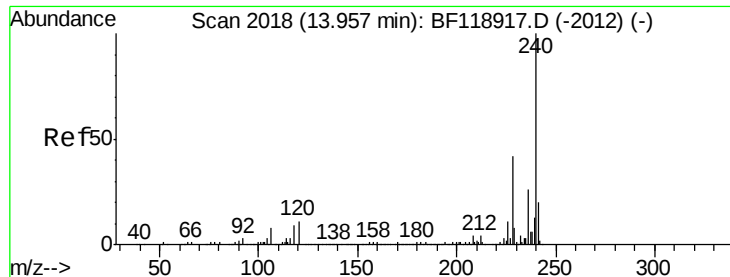
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#75
Fluoranthene
Concen: 7.56 ng
RT: 12.50 min Scan# 1770
Delta R.T. -0.06 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.0
203	17.3	0.0	38.7





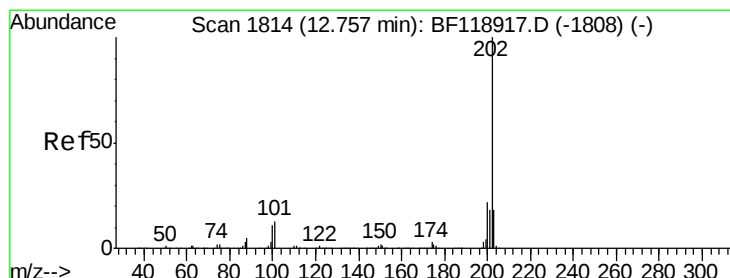
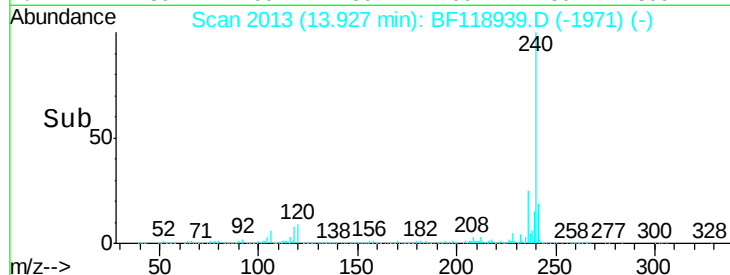
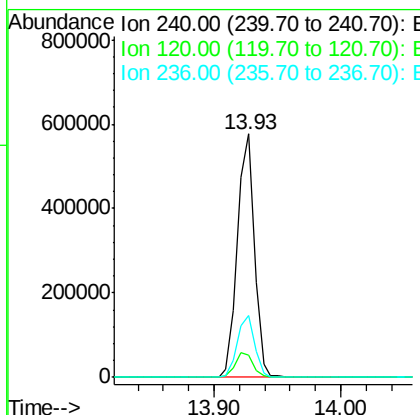
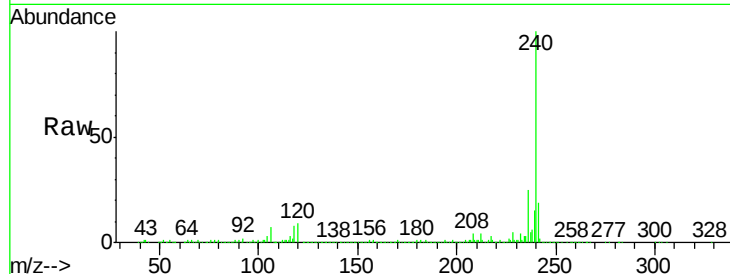
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.05 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-048-A

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.4	9.4	14.0
236	25.3	21.0	31.6

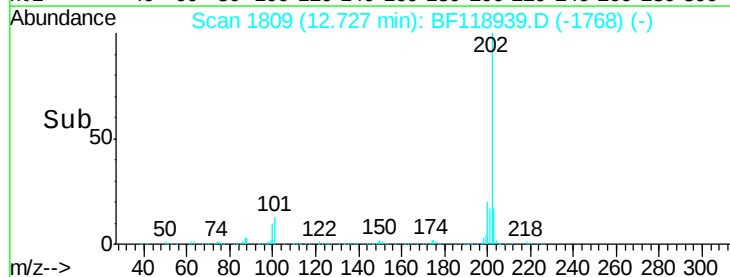
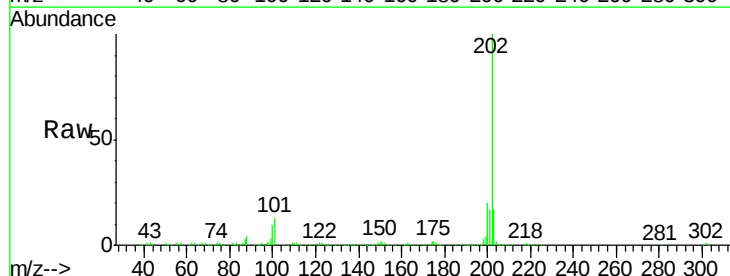
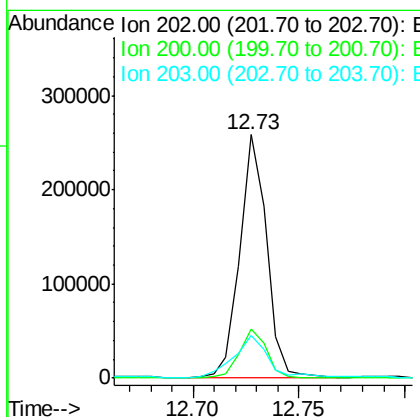
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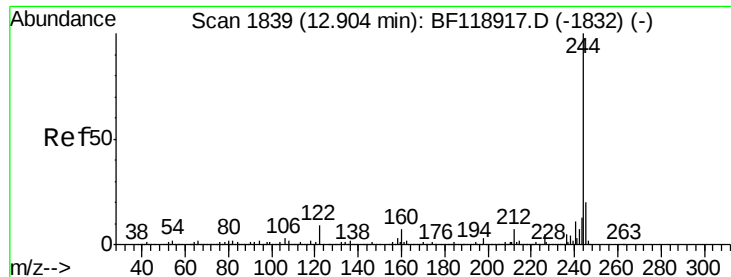
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#78
Pyrene
Concen: 6.27 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.06 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.4	18.2	27.2
203	17.3	14.8	22.2





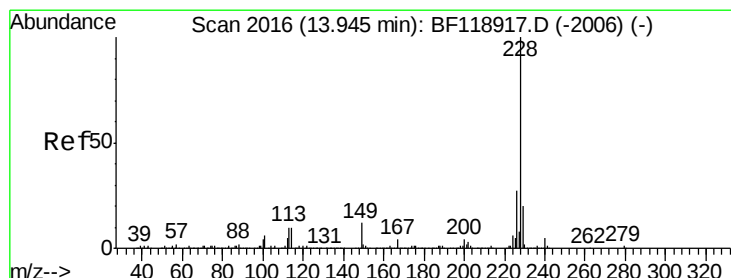
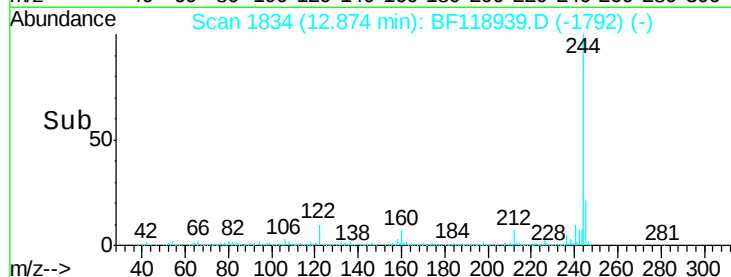
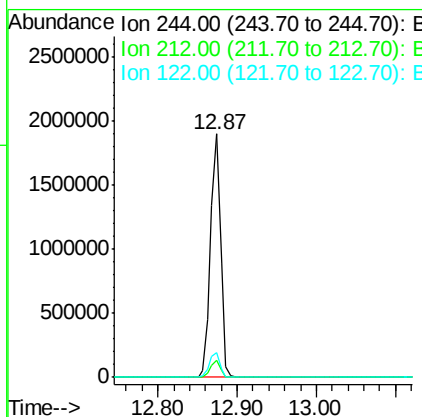
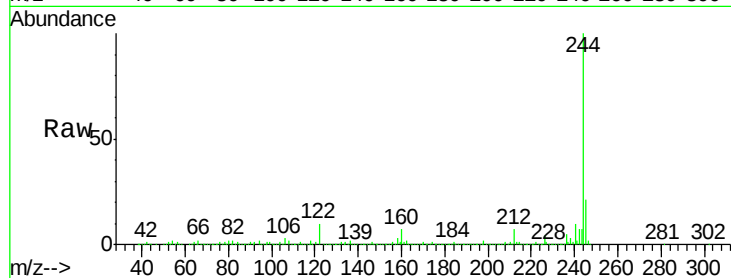
#79
 Terphenyl-d14
 Concen: 65.17 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. -0.05 min
 Lab File: BF118939.D
 Acq: 14 Feb 2020 18:46

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-048-A

Tgt Ion:244 Resp: 1675315
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 10.1 8.9 13.3

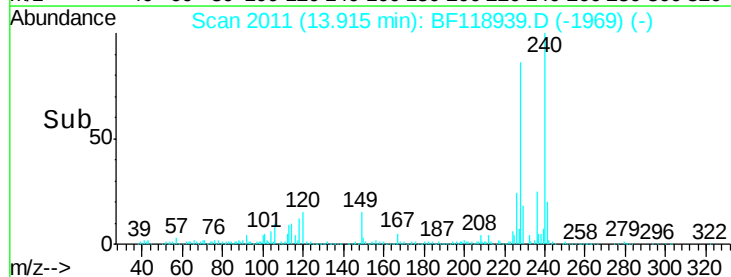
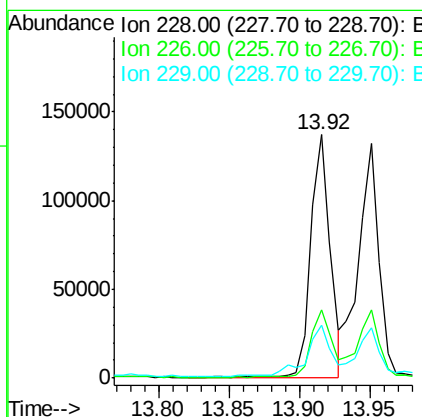
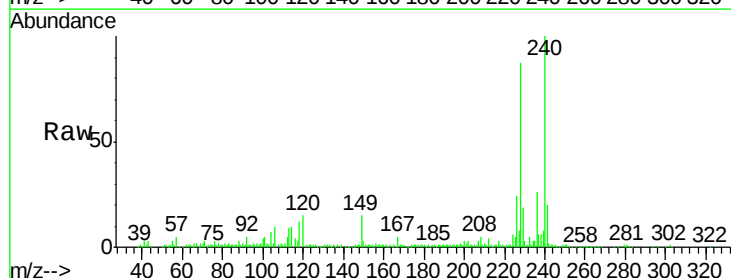
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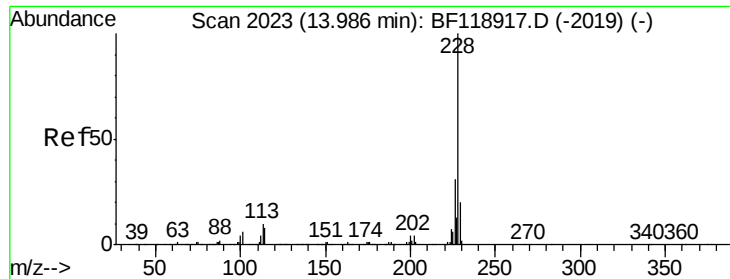
mohammad
 2/17/2020 3:49:07 PM



#81
 Benzo(a)anthracene
 Concen: 4.15 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.05 min
 Lab File: BF118939.D
 Acq: 14 Feb 2020 18:46

Tgt Ion:228 Resp: 130362
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.7 34.1
 229 21.6 16.6 25.0





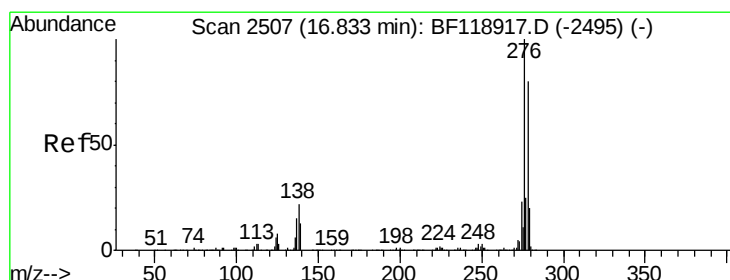
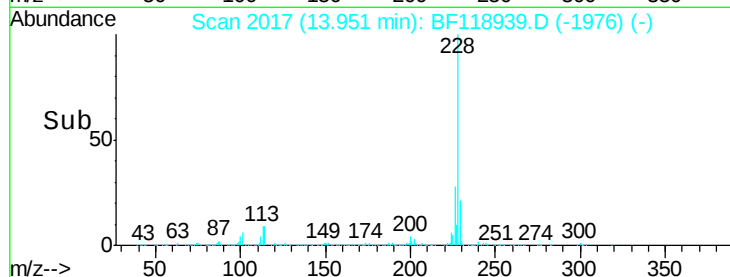
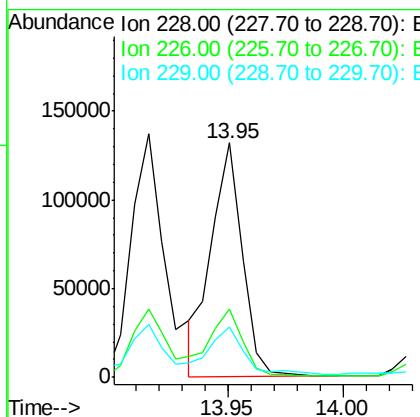
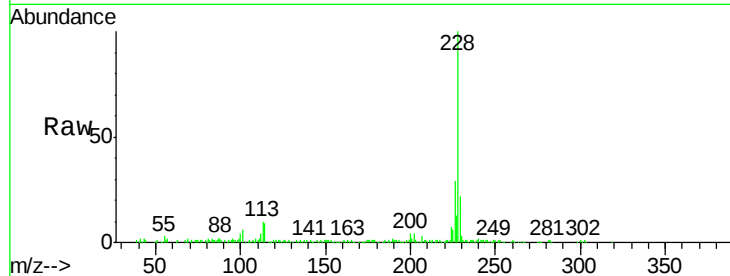
#83
Chrysene
Concen: 3.90 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.06 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-048-A

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	123073		
226	29.3		25.4	38.0
229	21.6		16.9	25.3

Manual Integrations
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.56 ng
RT: 16.77 min Scan# 2496
Delta R.T. -0.11 min
Lab File: BF118939.D
Acq: 14 Feb 2020 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	81170		
138	19.7		18.3	27.5
277	23.5		20.2	30.4

