

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF118999.D
 Acq On : 21 Feb 2020 18:22
 Operator : CG/JU
 Sample : L1526-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E156-B4-021820-COMP-0-5

Manual Integrations
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Quant Time: Feb 24 02:42:30 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	155427	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	535236	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	238868	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	394832	20.00	ng	0.00
76) Chrysene-d12	13.90	240	352547	20.00	ng	0.00
87) Perylene-d12	15.33	264	313919	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	884198	95.07	ng	0.00
7) Phenol-d6	6.40	99	1032902	91.32	ng	0.00
23) Nitrobenzene-d5	7.32	82	656600	64.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	247876	79.33	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1174516	72.44	ng	-0.01
79) Terphenyl-d14	12.85	244	1203859	58.79	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.50	163	103647	5.674	ng	99
71) Phenanthrene	11.29	178	85156	3.955	ng	98
75) Fluoranthene	12.48	202	272532	11.924	ng	100
78) Pyrene	12.71	202	316164	11.168	ng	98
81) Benzo(a)anthracene	13.90	228	160889	6.698	ng	99
83) Chrysene	13.93	228	149667	6.253	ng	98
86) Indeno(1,2,3-cd)pyrene	16.73	276	60501	2.611	ng	# 94
88) Benzo(b)fluoranthene	14.93	252	178977m	8.650	ng	
89) Benzo(k)fluoranthene	14.95	252	46502m	2.425	ng	
90) Benzo(a)pyrene	15.27	252	119511	6.400	ng	98
92) Benzo(g,h,i)perylene	17.16	276	59785m	3.682	ng	

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

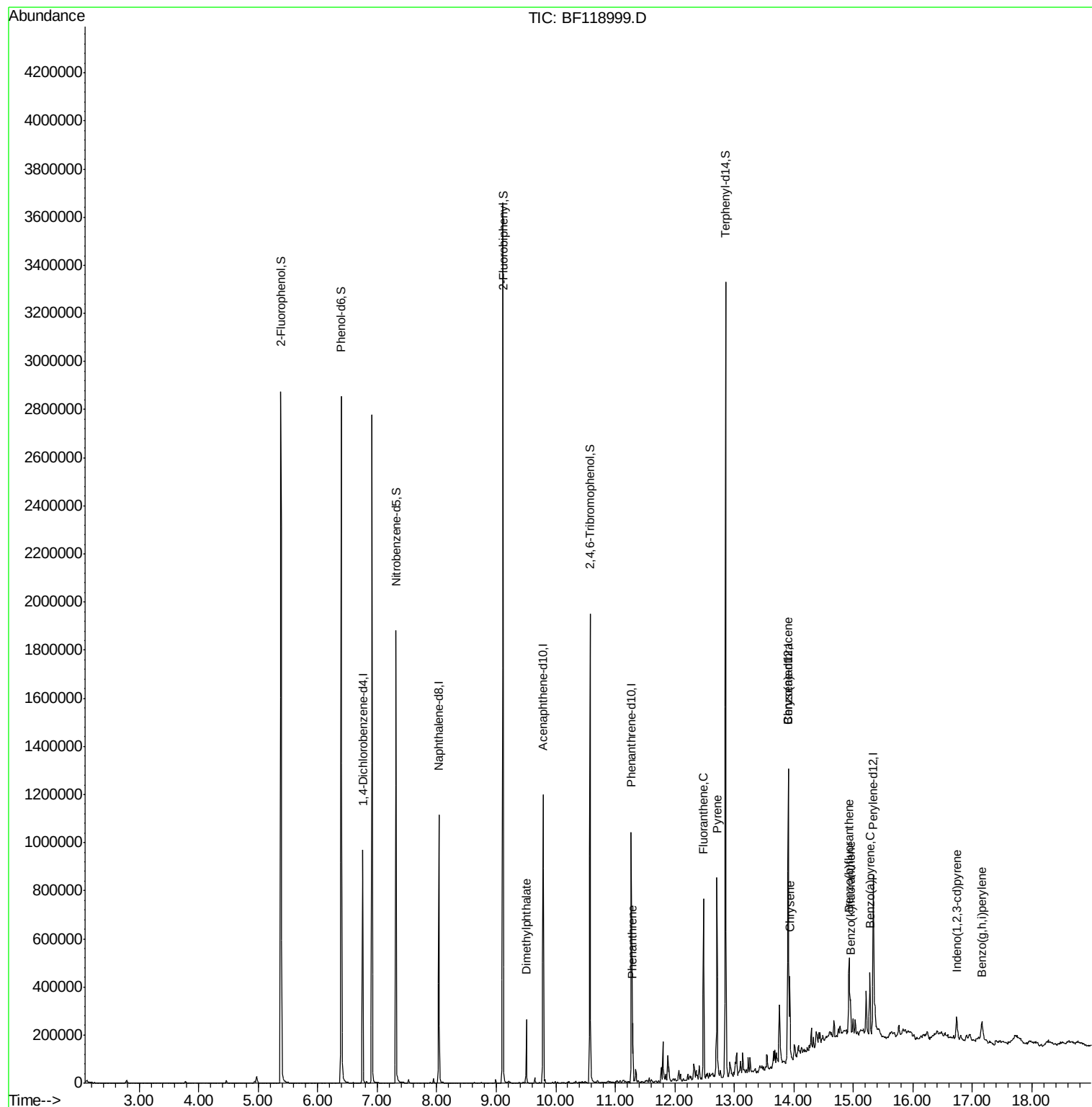
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
Data File : BF118999.D
Acq On : 21 Feb 2020 18:22
Operator : CG/JU
Sample : L1526-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

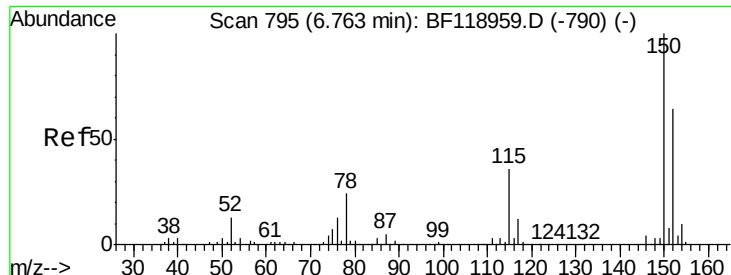
Instrument :
BNA_F
ClientSampleId :
E156-B4-021820-COMP-0-5

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Quant Time: Feb 24 02:42:30 2020
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

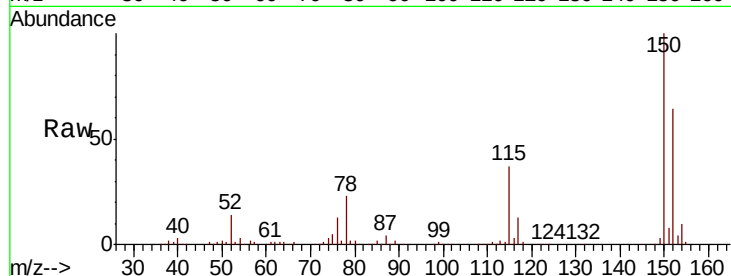
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Instrument :
BNA_F
ClientSampleId :
E156-B4-021820-COMP-0-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.3	186.5
115	57.7	44.6	67.0

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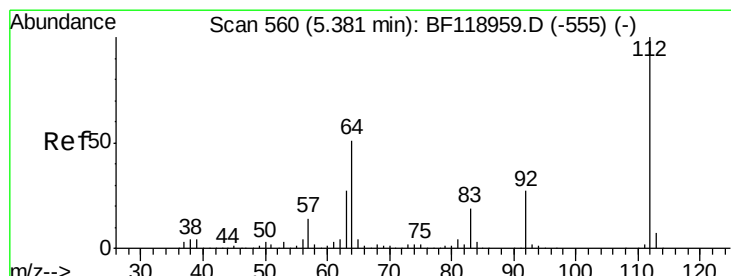
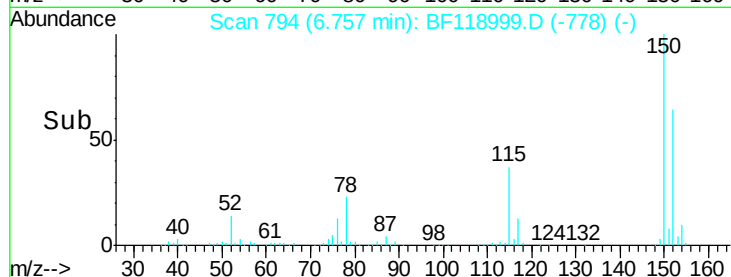
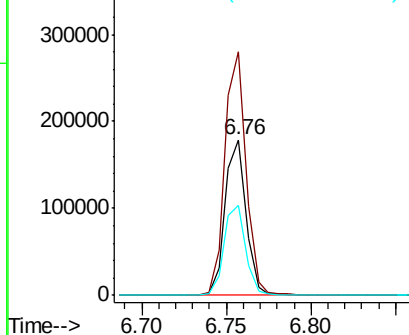


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

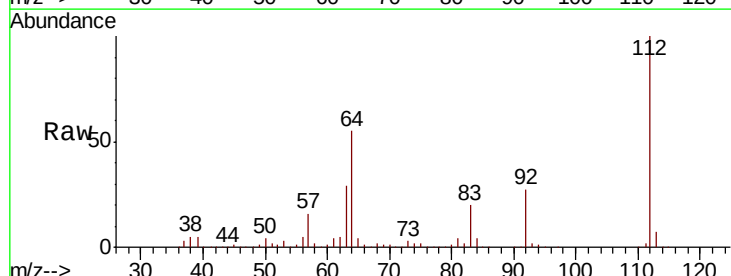
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.070 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	40.4	60.6
63	28.6	21.3	31.9

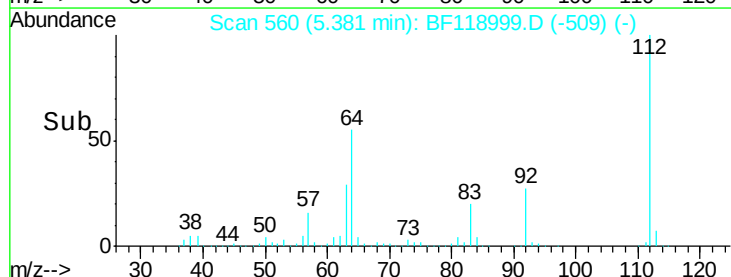
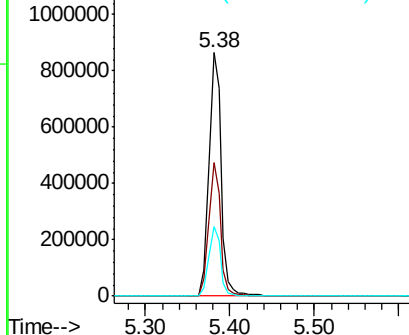


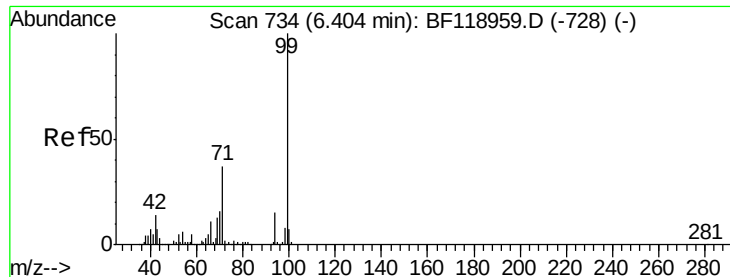
Abundance

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: 91.318 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

Instrument :

BNA_F

ClientSampleId :

E156-B4-021820-COMP-0-5

Tot Ion: 99 Resp: 1032902

Ion Ratio Lower Upper

99 100

42 14.4 11.4 17.0

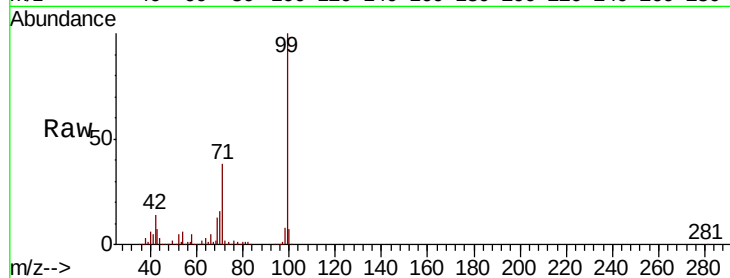
71 37.7 29.8 44.6

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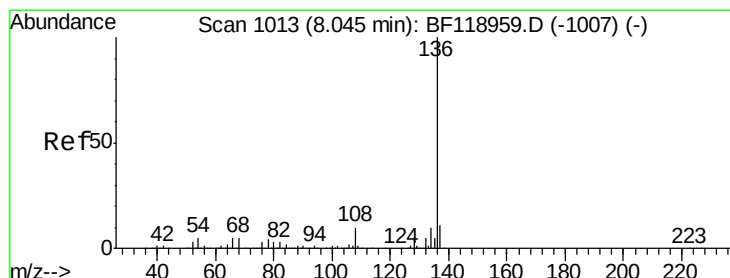
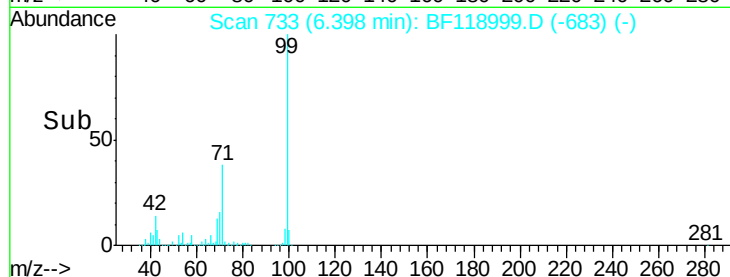
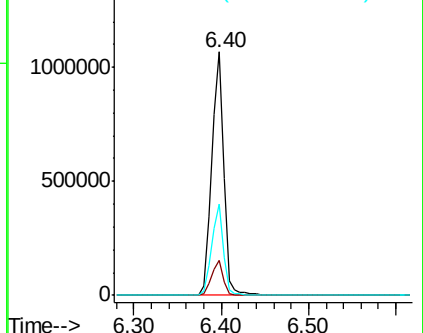
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

Tgt Ion: 136 Resp: 535236

Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 5.5 3.8 5.6

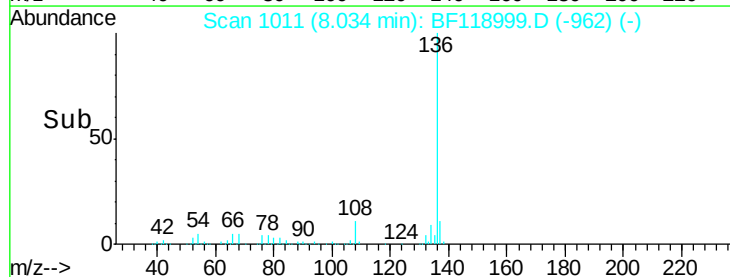
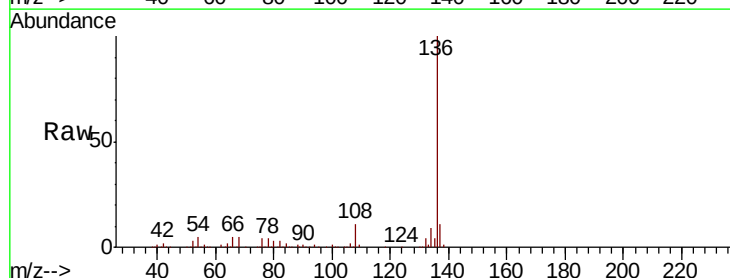
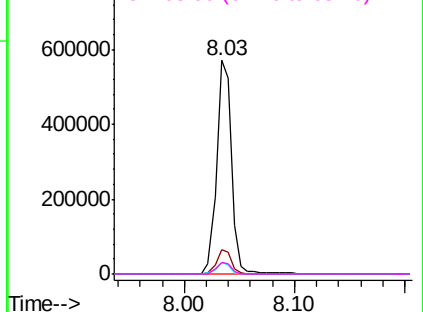
68 5.4 4.2 6.2

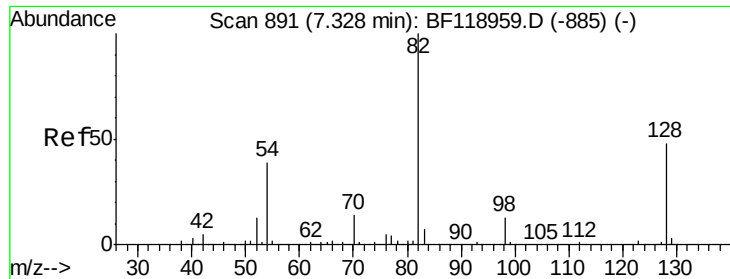
Abundance Ion 136.00 (135.70 to 136.70): E

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





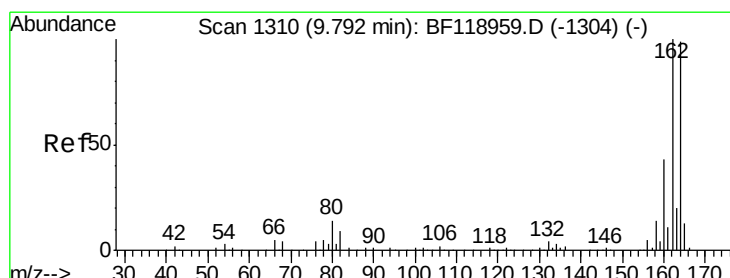
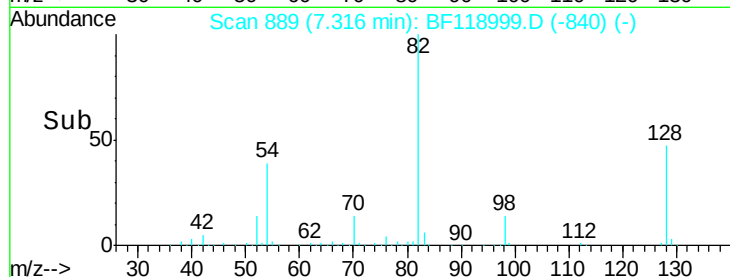
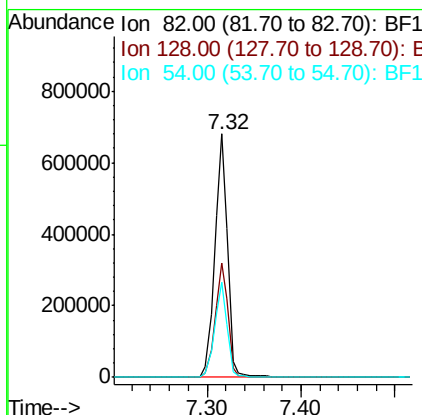
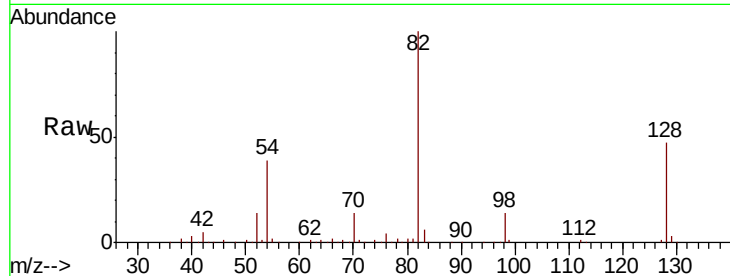
#23
 Nitrobenzene-d5
 Concen: 64.772 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Instrument :
 BNA_F
 ClientSampleId :
 E156-B4-021820-COMP-0-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	38.2	57.2
54	38.8	31.3	46.9

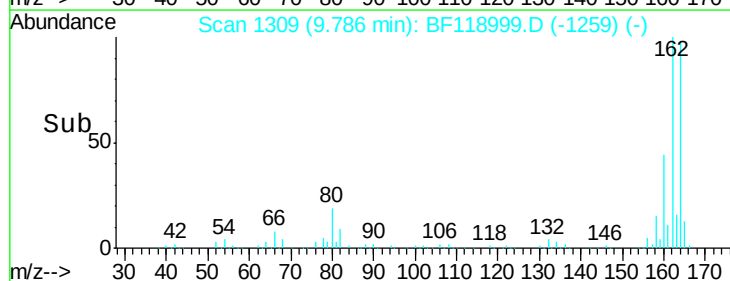
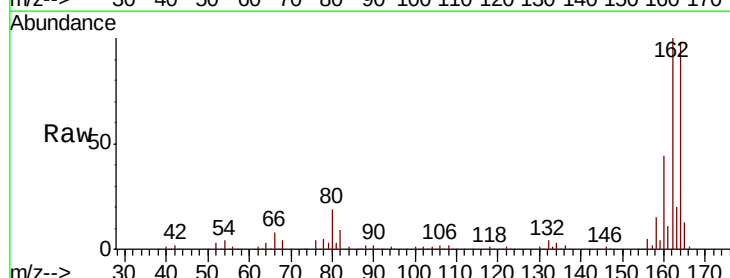
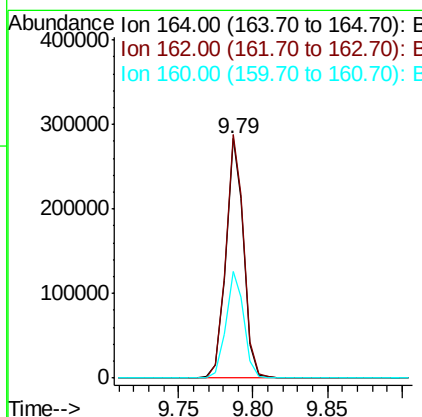
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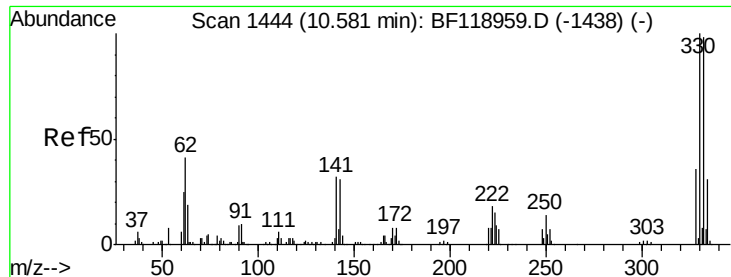
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.2	121.8
160	44.5	35.2	52.8





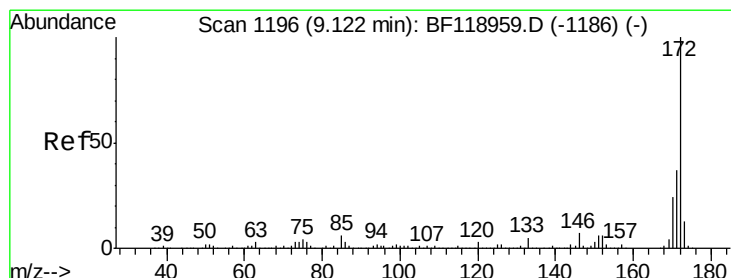
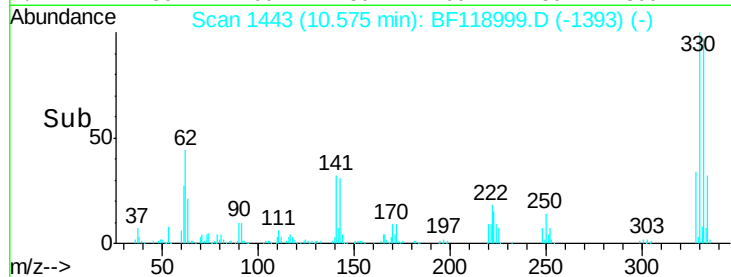
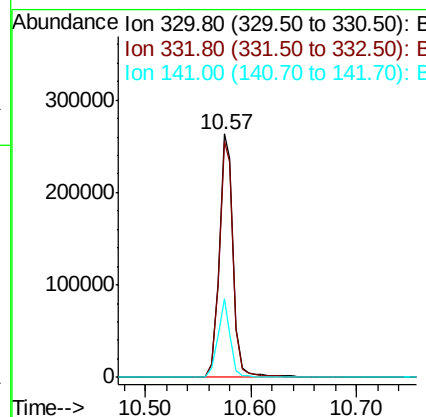
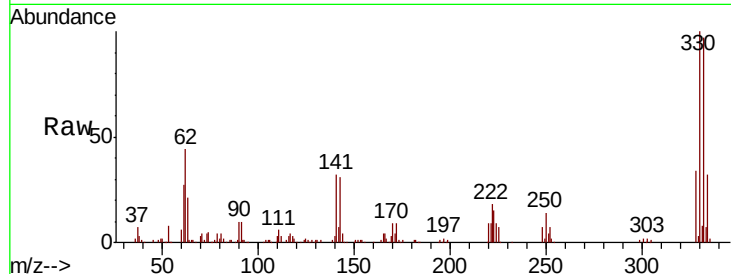
#42
 2,4,6-Tribromophenol
 Concen: 79.325 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Instrument :
 BNA_F
 ClientSampleId :
 E156-B4-021820-COMP-0-5

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.1	115.7
141	29.2	23.0	34.6

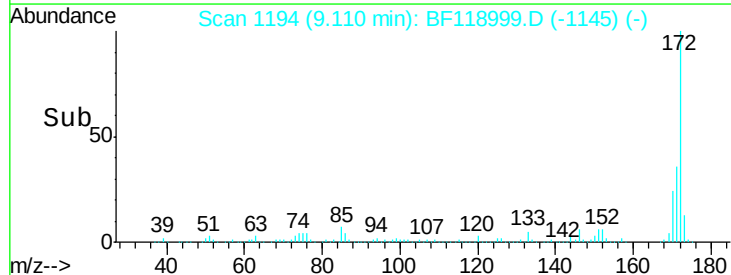
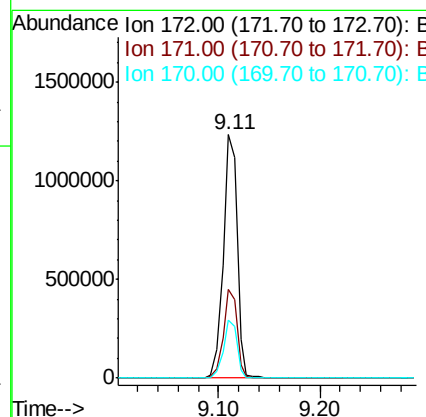
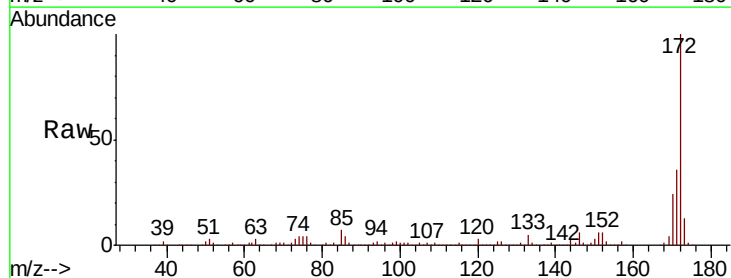
Manual Integrations
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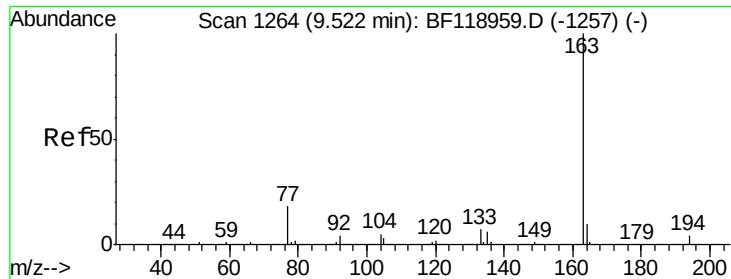
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#45
 2-Fluorobiphenyl
 Concen: 72.436 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.2
170	23.8	19.6	29.4





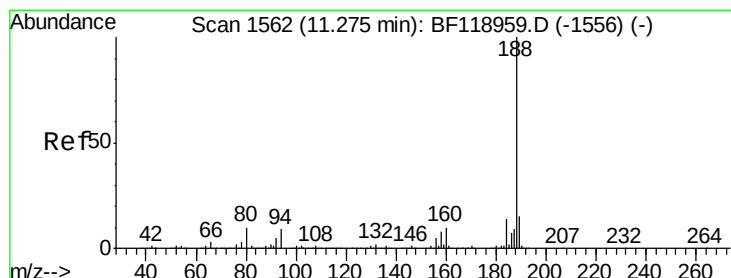
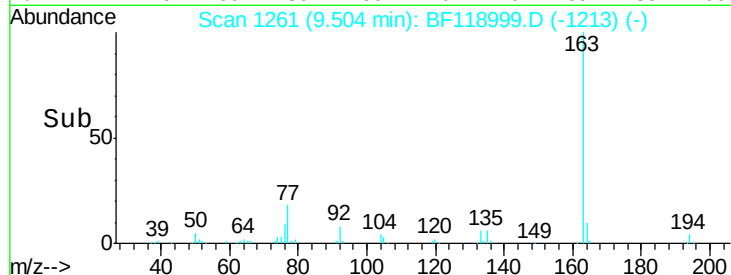
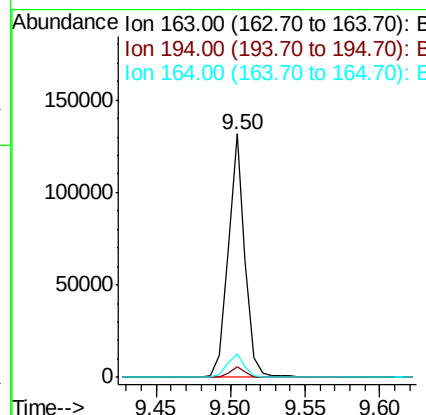
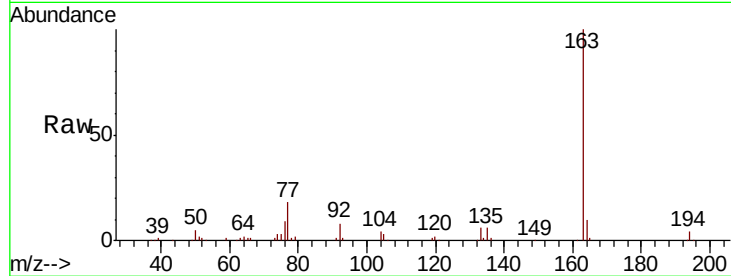
#50
Dimethylphthalate
Concen: 5.674 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Instrument :
BNA_F
ClientSampleId :
E156-B4-021820-COMP-0-5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	103647		
194	4.2		3.4	5.2
164	9.6		8.2	12.2

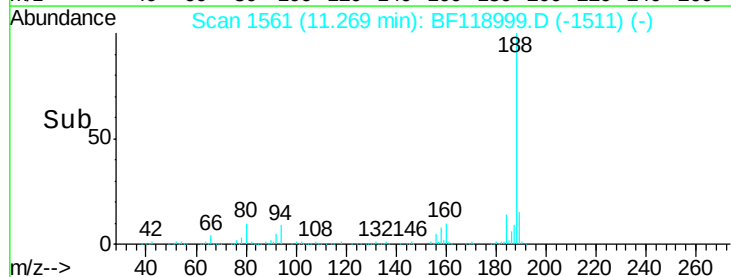
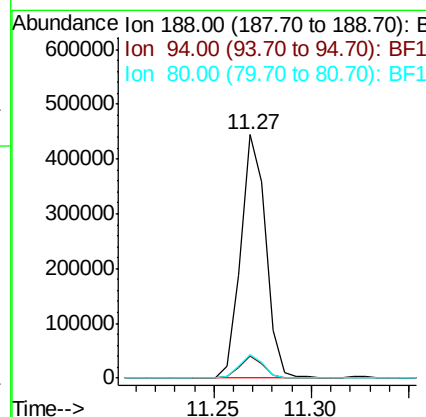
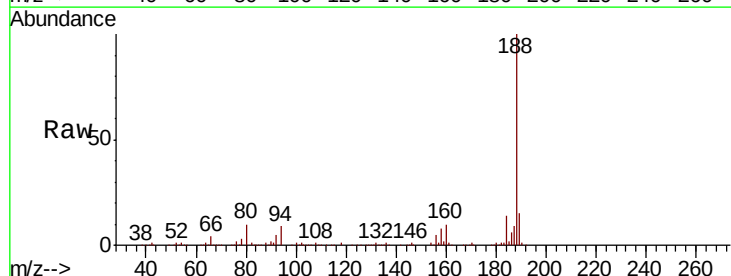
Manual Integrations
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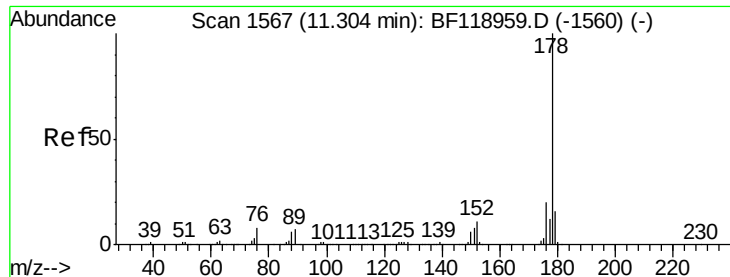
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	394832		
94	9.0		7.0	10.6
80	9.9		7.9	11.9





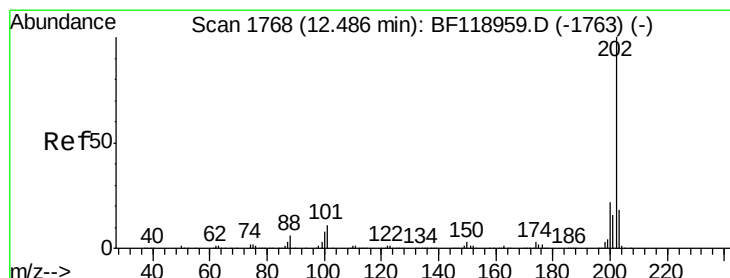
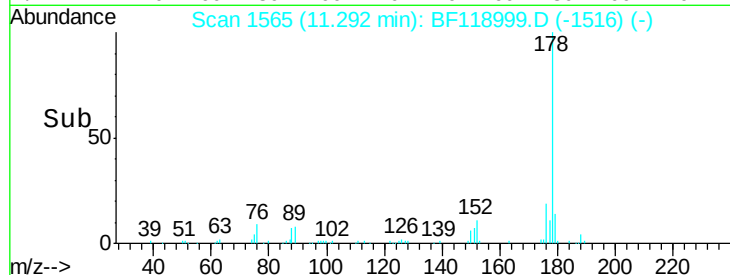
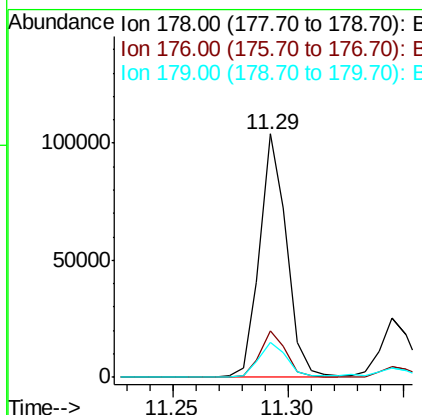
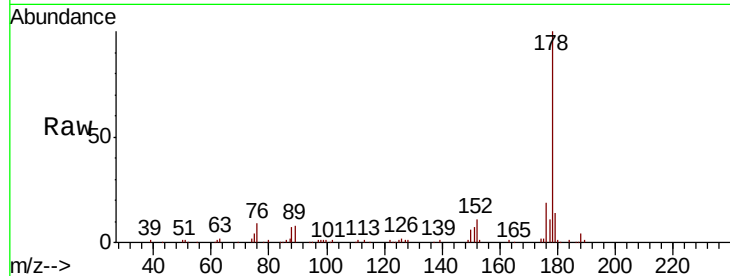
#71
Phenanthrene
Concen: 3.955 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Instrument :
BNA_F
ClientSampleId :
E156-B4-021820-COMP-0-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	14.3	12.6	18.8

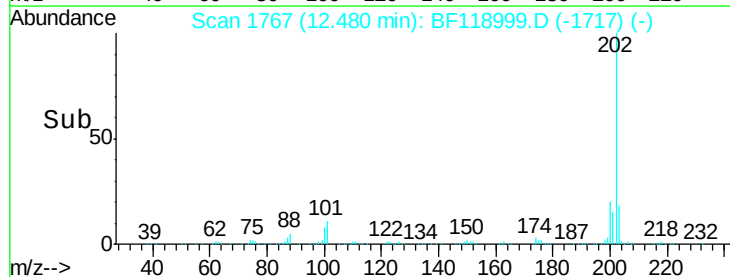
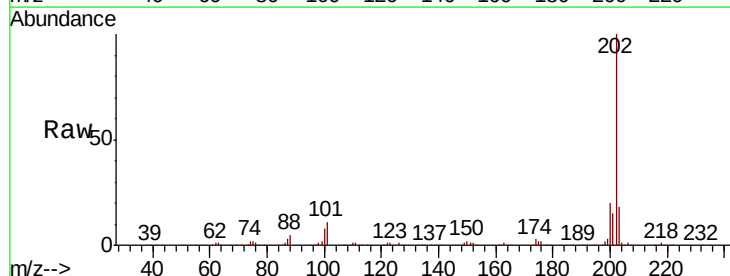
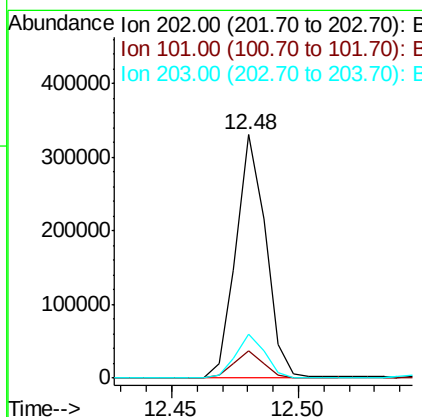
Manual Integrations
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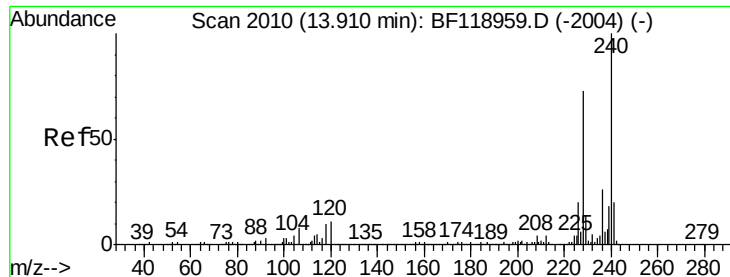
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#75
Fluoranthene
Concen: 11.924 ng
RT: 12.48 min Scan# 1767
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.1
203	17.9	0.0	38.1





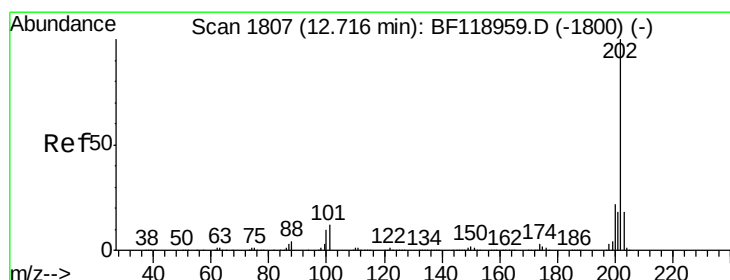
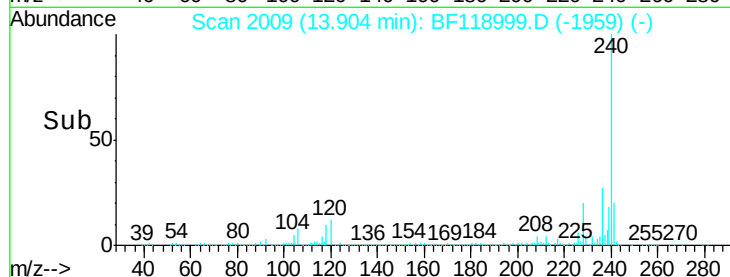
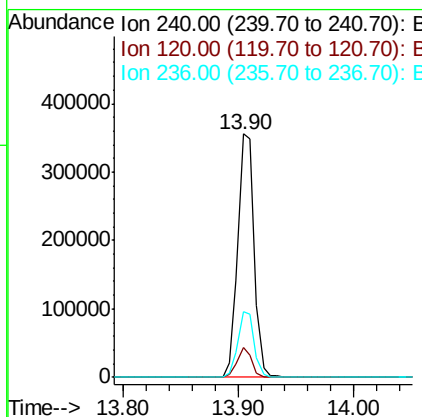
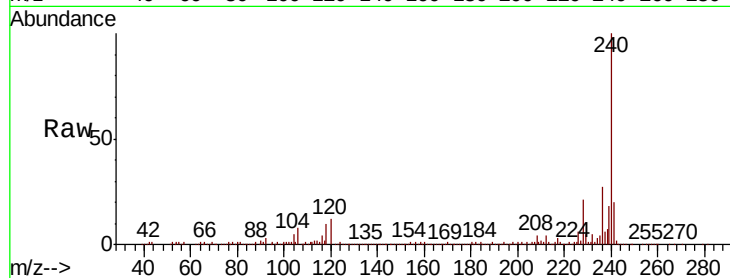
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Instrument :
BNA_F
ClientSampleId :
E156-B4-021820-COMP-0-5

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	8.9	13.3
236	26.9	20.6	30.8

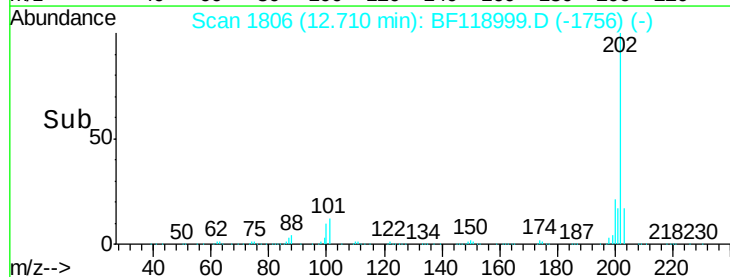
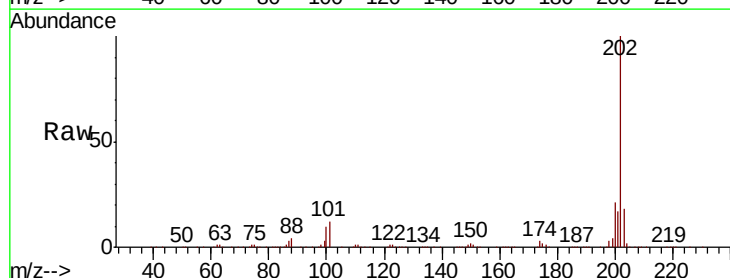
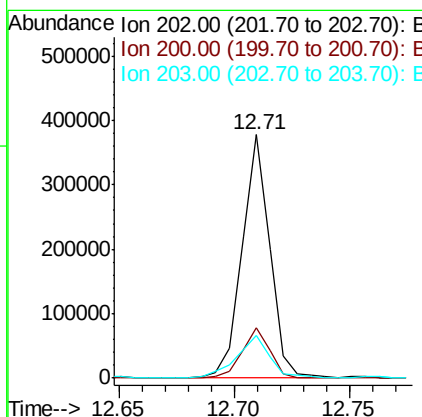
Manual Integrations
APPROVED

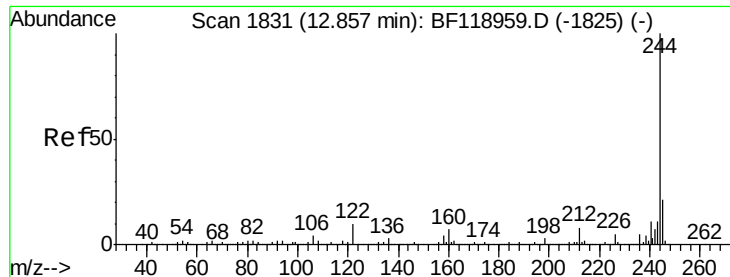
mohammad
2/24/2020 2:11:35 PM



#78
Pyrene
Concen: 11.168 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.0
203	17.7	14.5	21.7





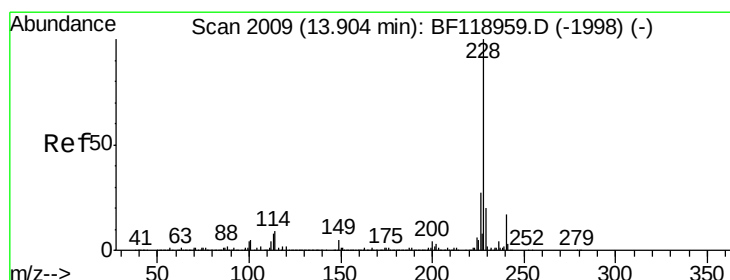
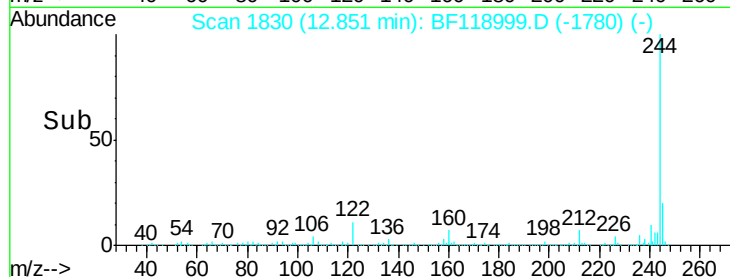
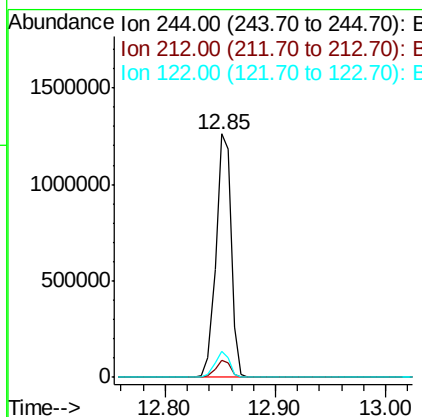
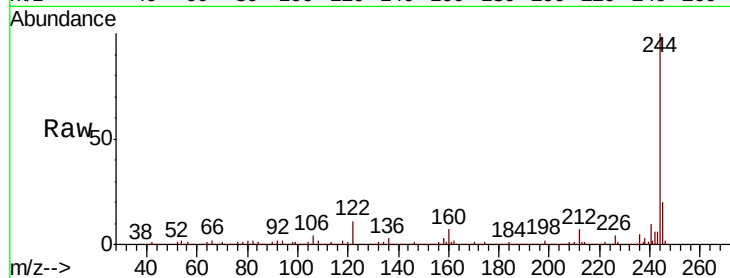
#79
 Terphenyl-d14
 Concen: 58.791 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Instrument :
 BNA_F
 ClientSampleId :
 E156-B4-021820-COMP-0-5

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	10.7	8.4	12.6

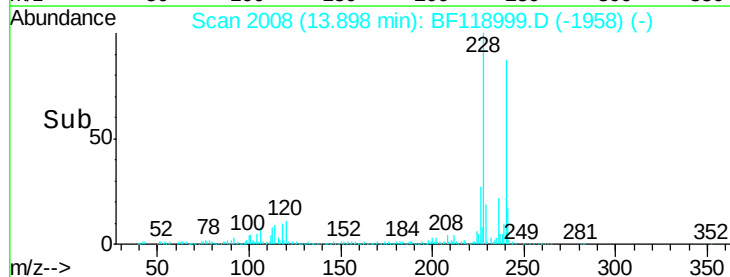
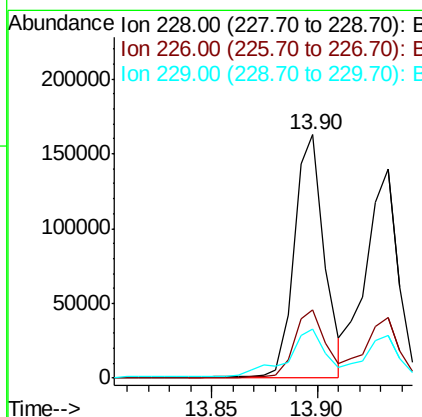
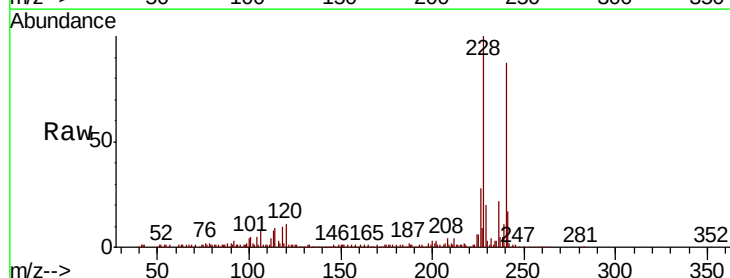
Manual Integrations
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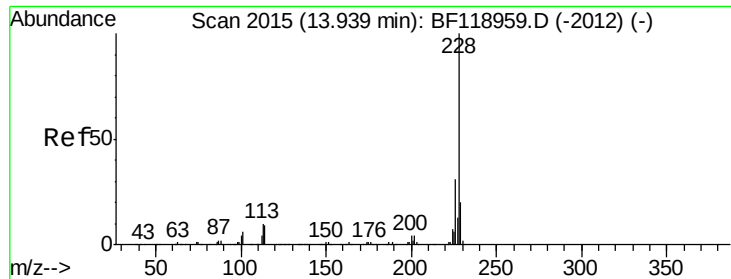
mohammad
 2/24/2020 2:11:35 PM



#81
 Benzo(a)anthracene
 Concen: 6.698 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF118999.D
 Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	20.2	16.0	24.0





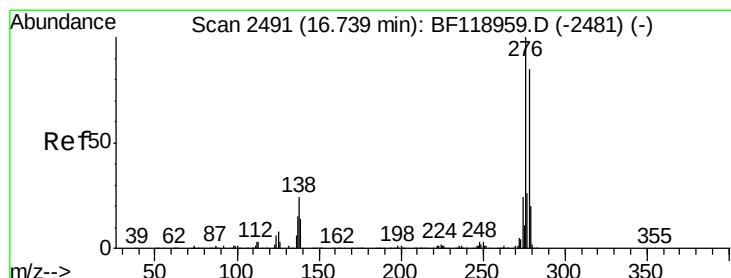
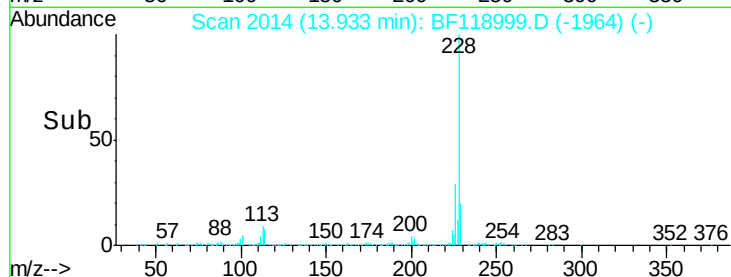
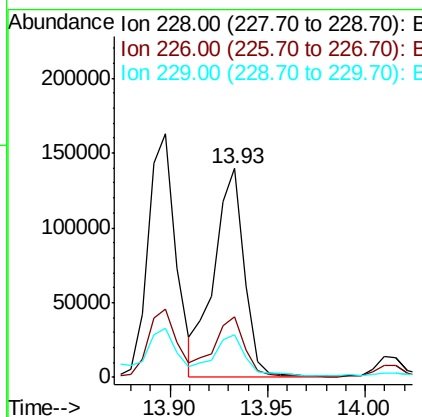
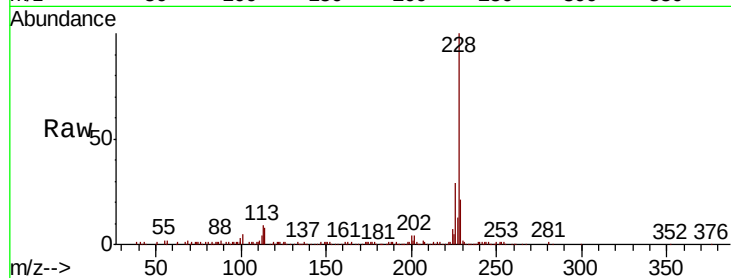
#83
Chrysene
Concen: 6.253 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Instrument :
BNA_F
ClientSampleId :
E156-B4-021820-COMP-0-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.6	37.0
229	20.7	16.2	24.2

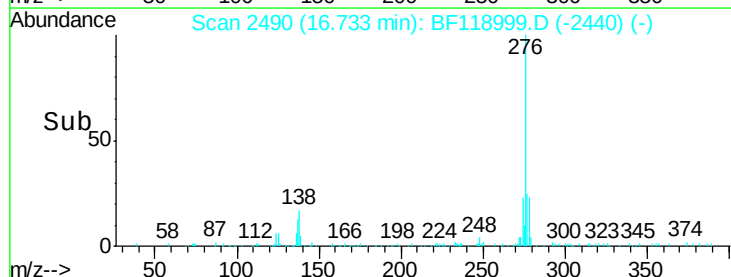
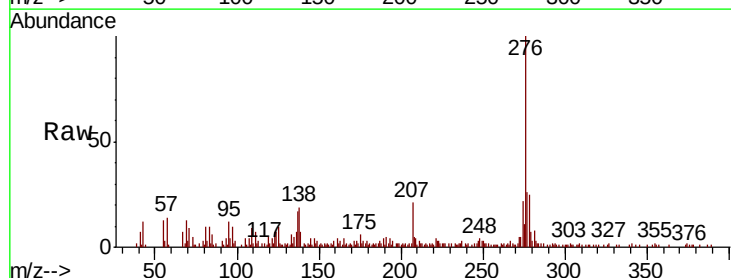
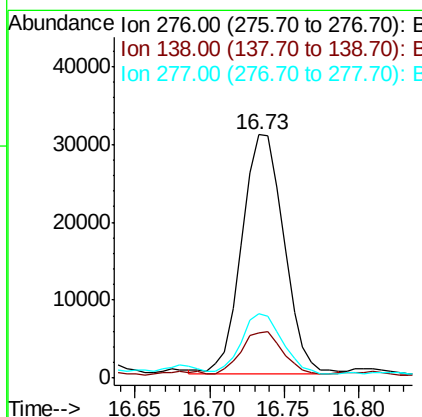
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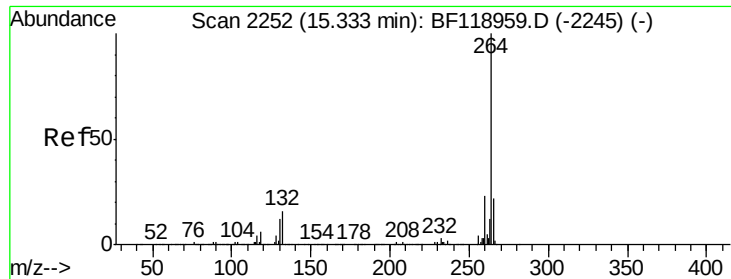
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.611 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.6	18.7	28.1#
277	24.3	20.3	30.5





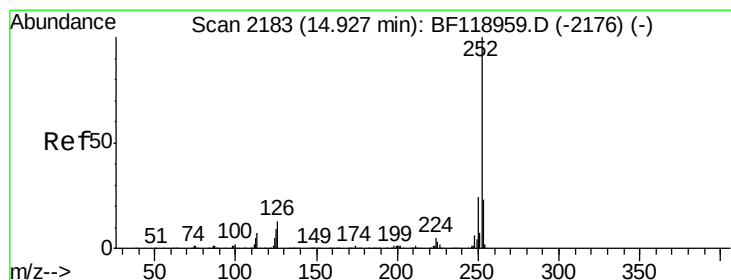
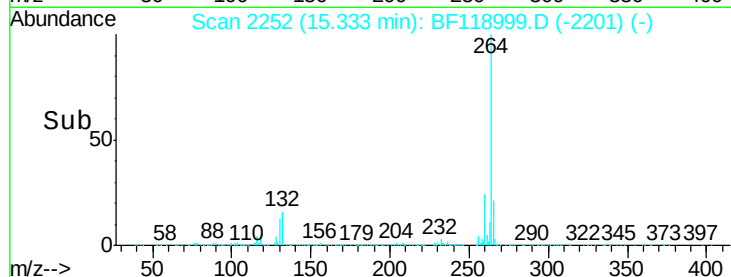
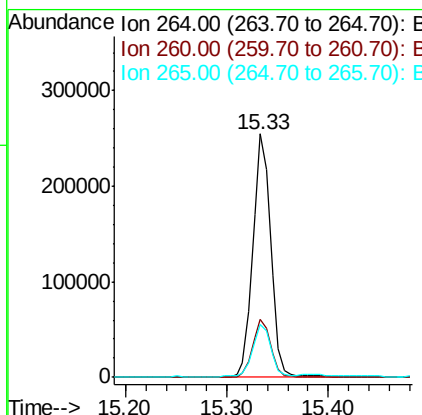
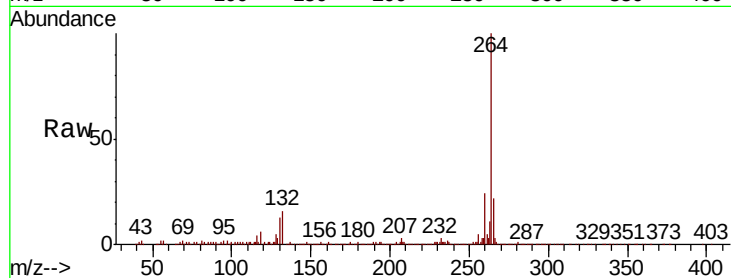
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.00 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Instrument :
BNA_F
ClientSampleId :
E156-B4-021820-COMP-0-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	21.6	17.3	25.9

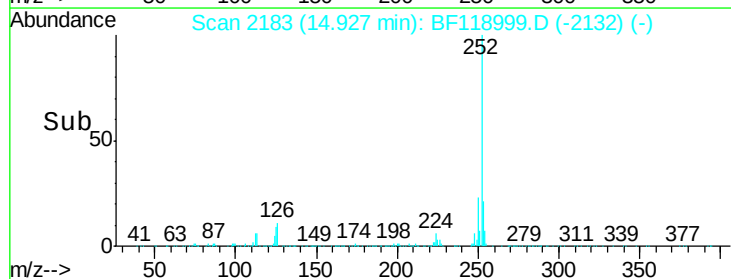
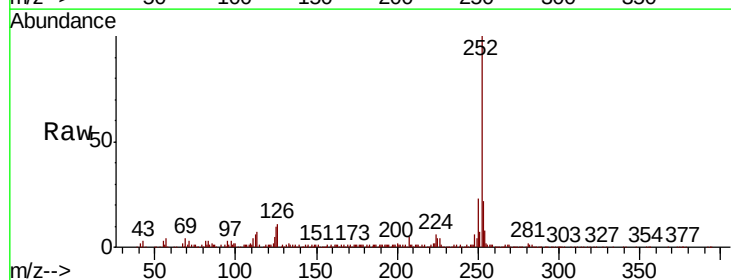
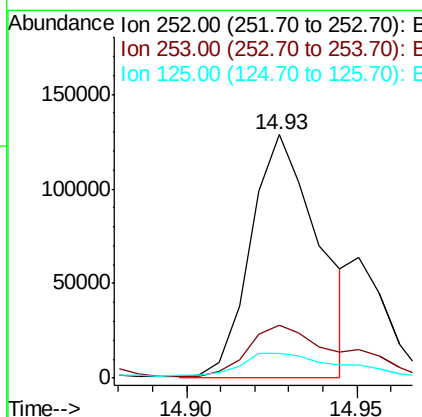
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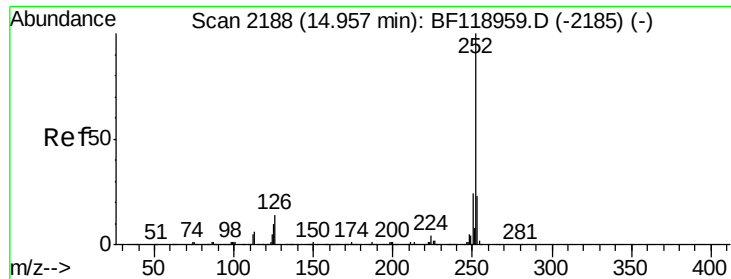
mohammad
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#88
Benzo(b)fluoranthene
Concen: 8.650 ng m
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	10.2	7.4	11.0





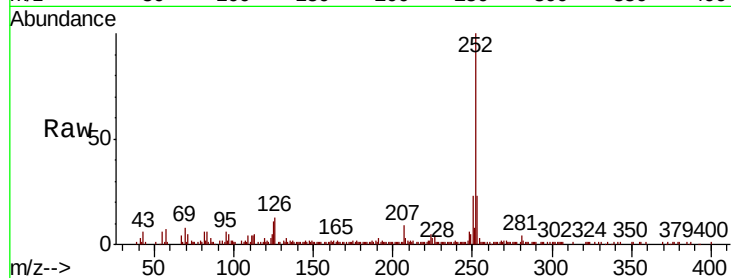
#89
Benzo(k)fluoranthene
Concen: 2.425 ng/mL
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

Instrument :
BNA_F
ClientSampleId :
E156-B4-021820-COMP-0-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	10.8	7.3	10.9

Manual Integrations
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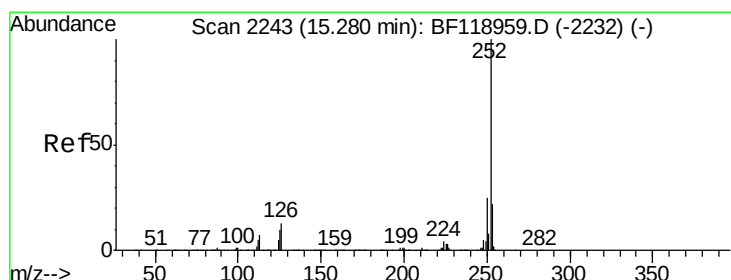
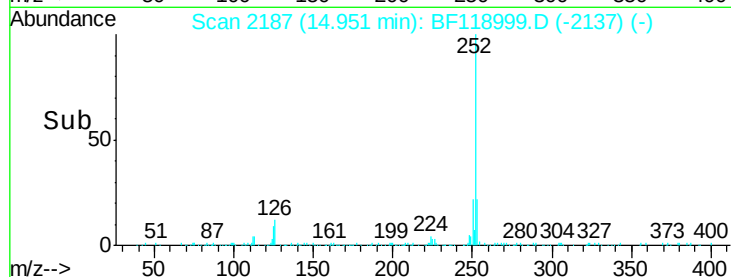
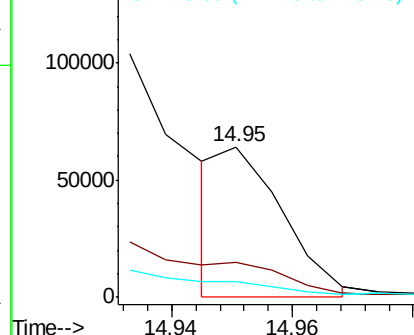


Abundance

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



#90
Benzo(a)pyrene
Concen: 6.400 ng/mL
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF118999.D
Acq: 21 Feb 2020 18:22

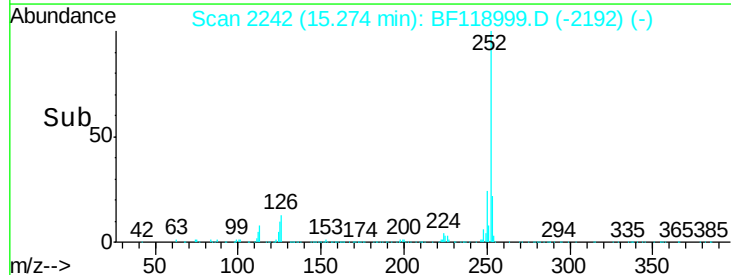
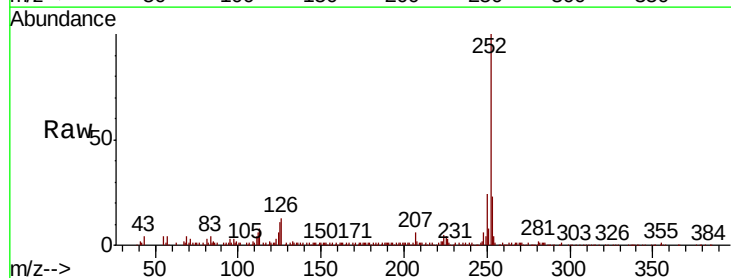
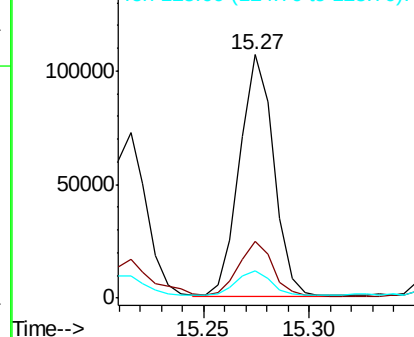
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	11.0	7.8	11.6

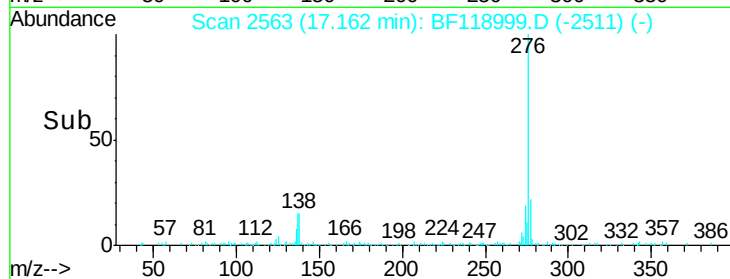
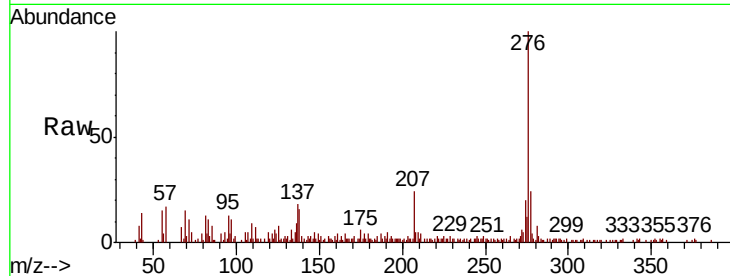
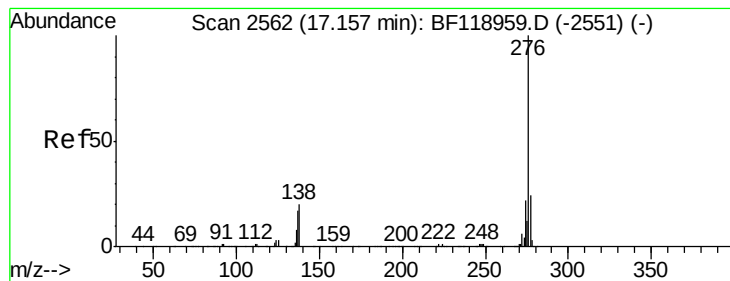
Abundance

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(a,h,i)perylene

Concen: 3.682 ng/mL

RT: 17.16 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BF118999.D

Acq: 21 Feb 2020 18:22

Instrument :

BNA_F

ClientSampleId :

E156-B4-021820-COMP-0-5

Tot Ion:	276	Resp:	59785
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.2	28.8
138	16.1	16.2	24.4#

Manual Integrations
APPROVED

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