

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117584.D
 Acq On : 29 Oct 2019 12:17
 Operator : JU
 Sample : K5503-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 174-54-(0-2)

Manual Integrations
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Quant Time: Oct 30 12:47:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	45665	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	187229	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	82777	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	109532	20.00	ng	0.00
76) Chrysene-d12	13.89	240	86313	20.00	ng	0.00
87) Perylene-d12	15.33	264	89670	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	190756	62.15	ng	0.00
7) Phenol-d6	6.38	99	265869	64.49	ng	0.00
23) Nitrobenzene-d5	7.29	82	161094	42.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	34727	48.49	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	224341	38.19	ng	-0.01
79) Terphenyl-d14	12.83	244	129817	24.53	ng	0.00
Target Compounds						
10) Phenol	6.40	94	10352	2.460	ng	Qvalue 86
50) Dimethylphthalate	9.48	163	33268	5.638	ng	98
71) Phenanthrene	11.27	178	78650	12.366	ng	100
72) Anthracene	11.33	178	18967m	2.906	ng	
75) Fluoranthene	12.46	202	153929	24.176	ng	98
78) Pyrene	12.69	202	137090	18.491	ng	99
81) Benzo(a)anthracene	13.88	228	76418	13.125	ng	96
83) Chrysene	13.92	228	72968	12.788	ng	99
86) Indeno(1,2,3-cd)pyrene	16.74	276	33783	7.930	ng	95
88) Benzo(b)fluoranthene	14.92	252	98412m	18.585	ng	
89) Benzo(k)fluoranthene	14.94	252	28262m	5.207	ng	
90) Benzo(a)pyrene	15.27	252	67630	14.048	ng	# 93
91) Dibenzo(a,h)anthracene	16.74	278	9191m	2.208	ng	
92) Benzo(a,h,i)perylene	17.17	276	32967m	8.370	ng	

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

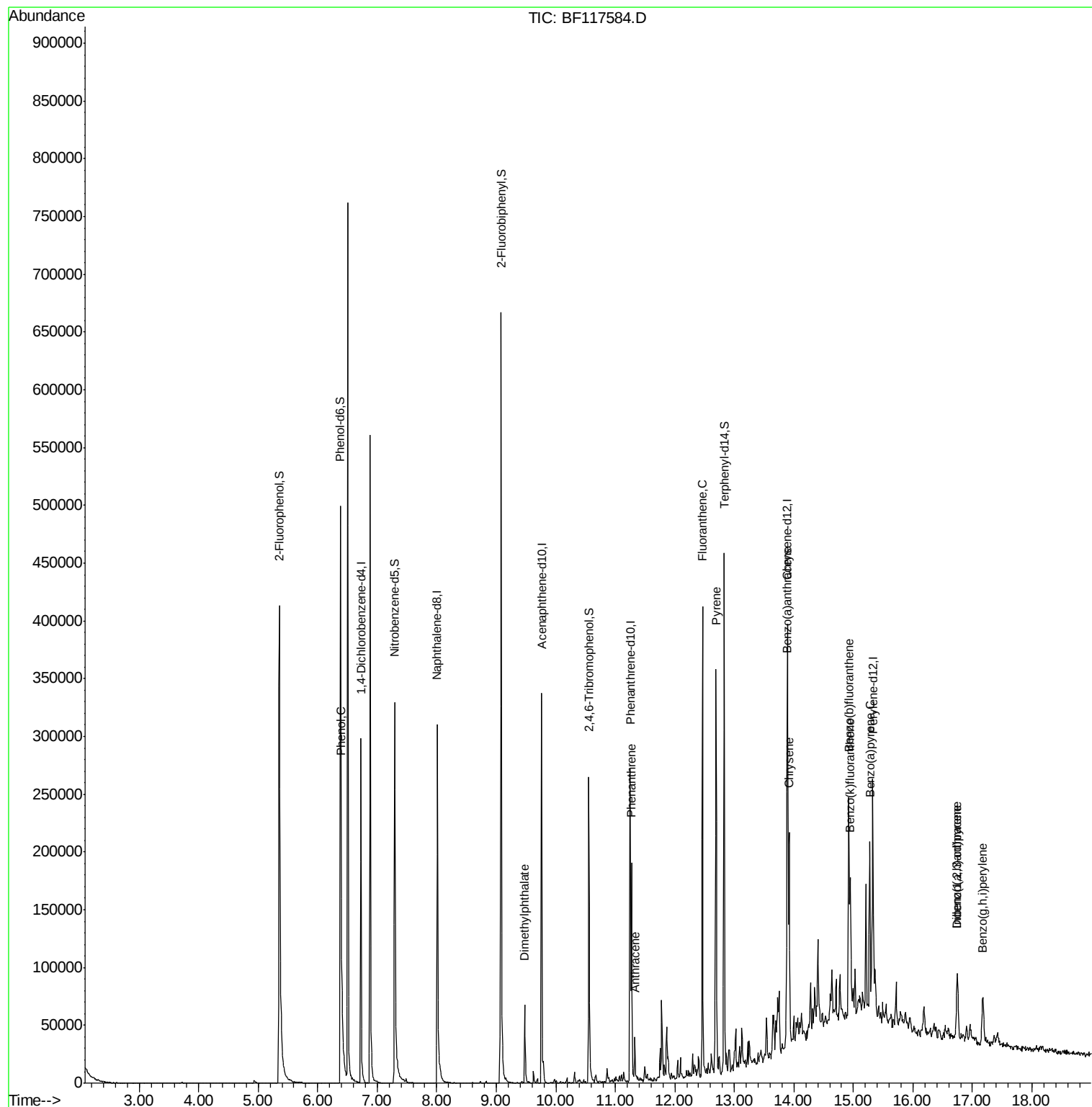
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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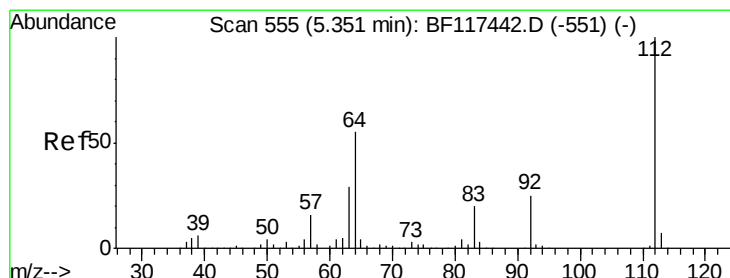
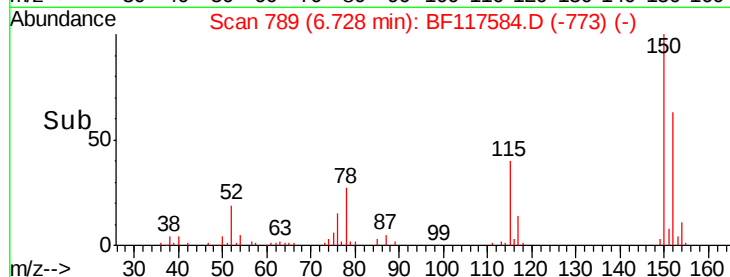
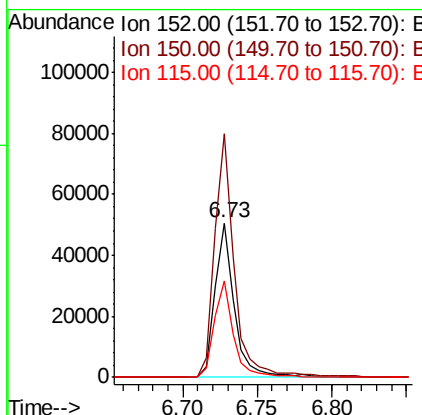
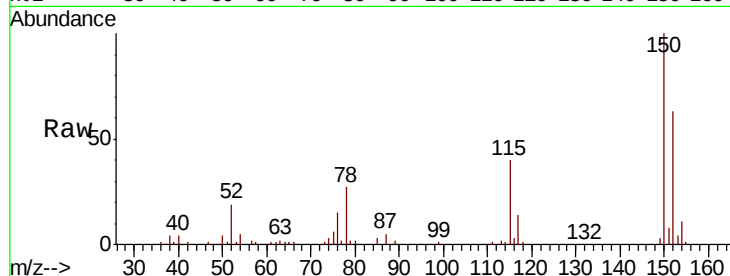
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

Instrument :
 BNA_F
 ClientSampleId :
 174-54-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.8	190.2
115	62.4	51.6	77.4

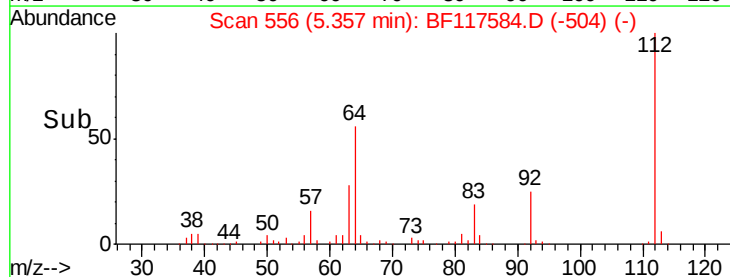
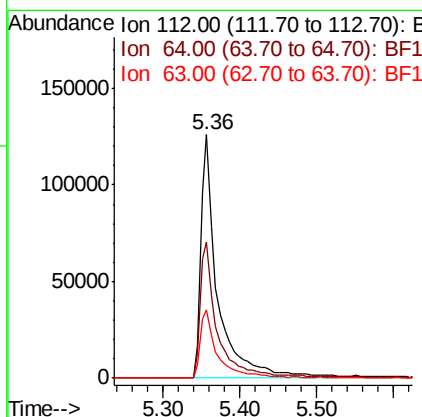
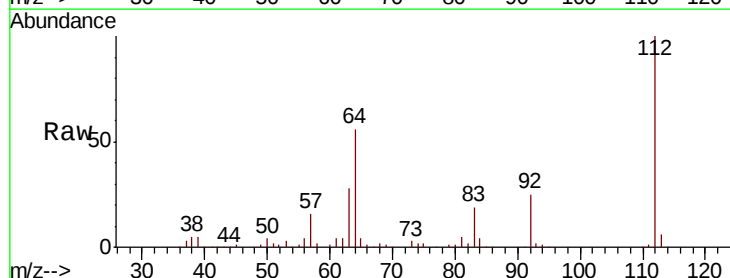
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#5
 2-Fluorophenol
 Concen: 62.146 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.1	66.1
63	28.1	23.4	35.2





#7

Phenol-d6

Concen: 64.489 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117584.D

Acq: 29 Oct 2019 12:17

Instrument :

BNA_F

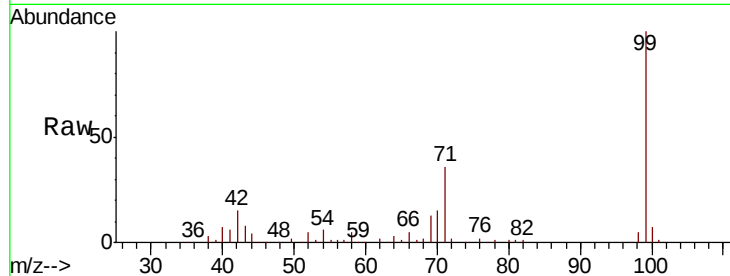
ClientSampleId :

174-54-(0-2)

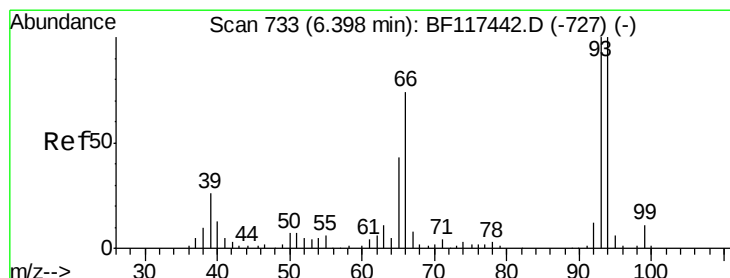
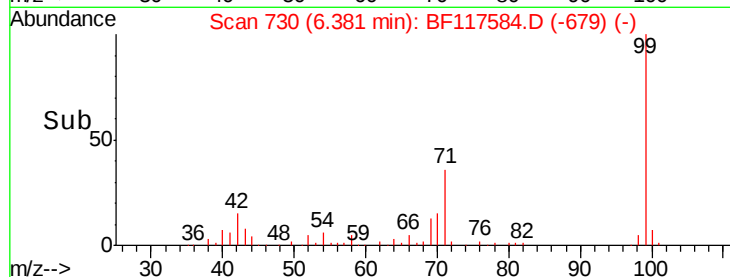
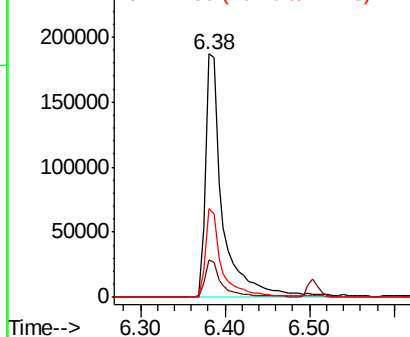
Tot Ion:	99	Resp:	265869
Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.8	19.2
71	36.5	28.6	43.0

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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: 2.460 ng

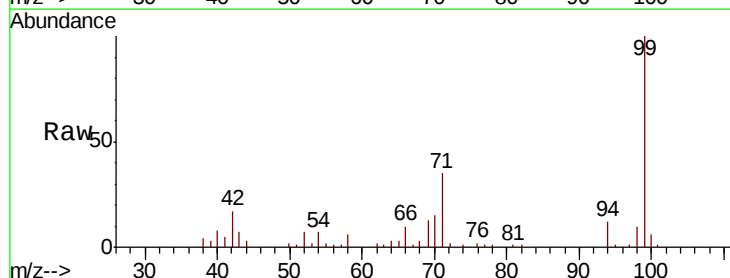
RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

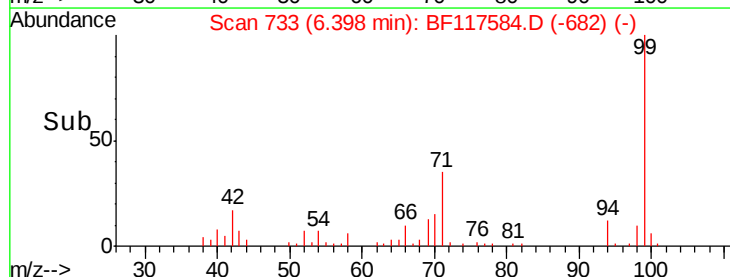
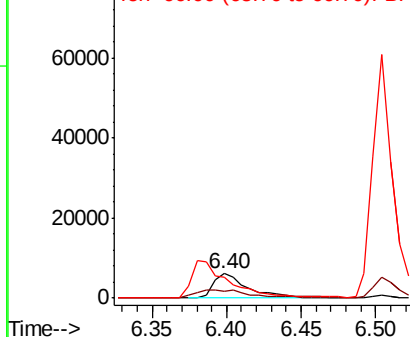
Lab File: BF117584.D

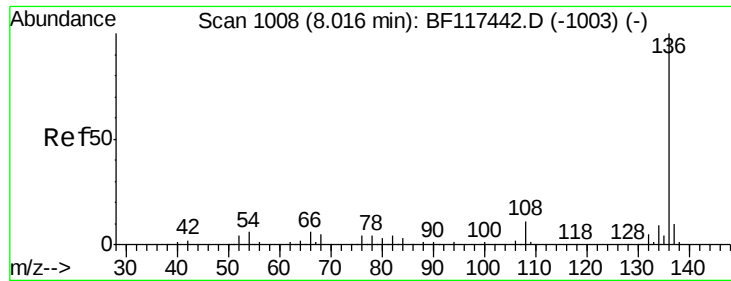
Acq: 29 Oct 2019 12:17

Tgt Ion:	94	Resp:	10352
Ion	Ratio	Lower	Upper
94	100		
65	29.2	23.4	63.4
66	83.1	54.7	94.7



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





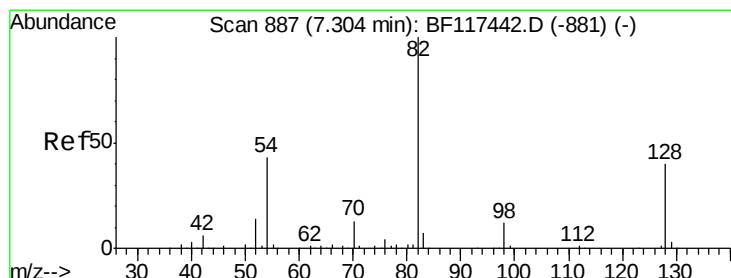
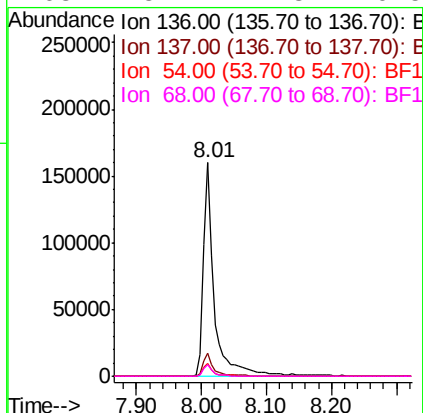
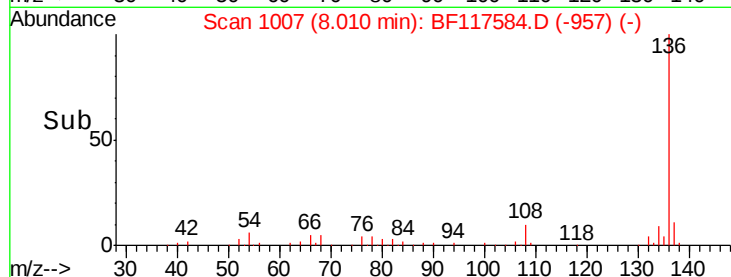
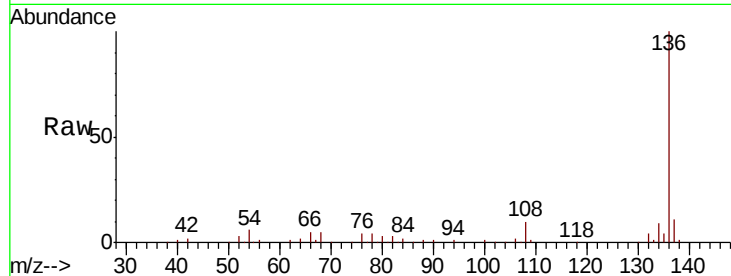
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	187229		
137	10.9		8.2	12.4
54	6.0		4.5	6.7
68	5.4		4.3	6.5

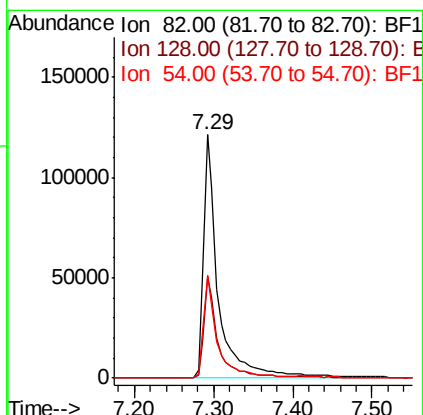
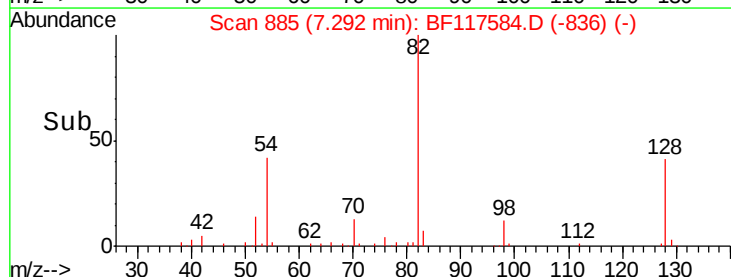
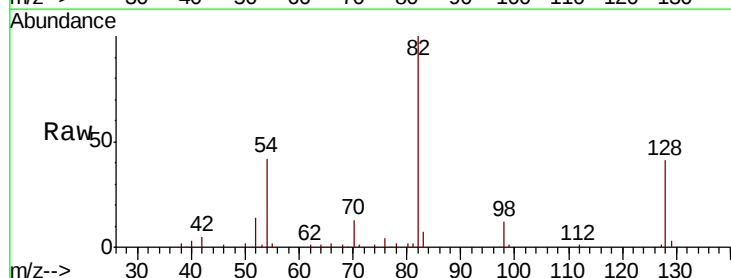
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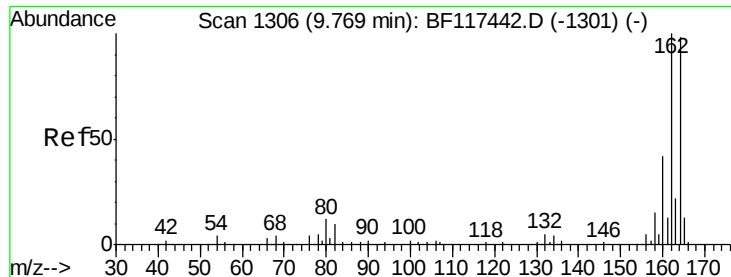
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#23
Nitrobenzene-d5
Concen: 42.477 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	161094		
128	41.5		32.2	48.2
54	42.4		34.2	51.2





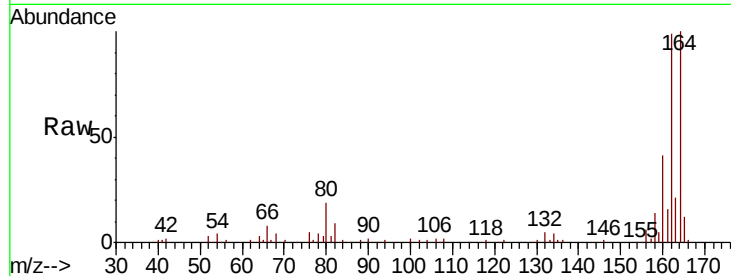
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.8	122.6
160	41.5	34.4	51.6

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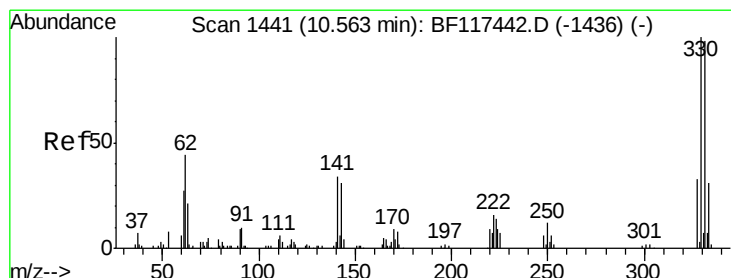
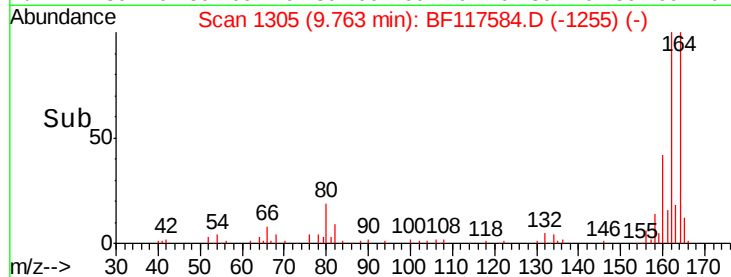
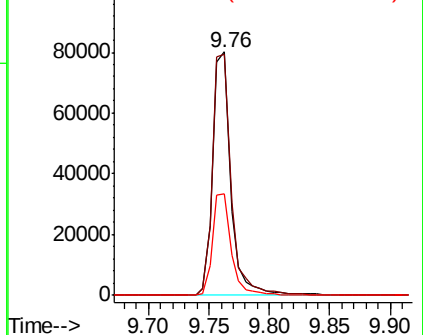


Abundance

Ion 164.00 (163.70 to 164.70): E

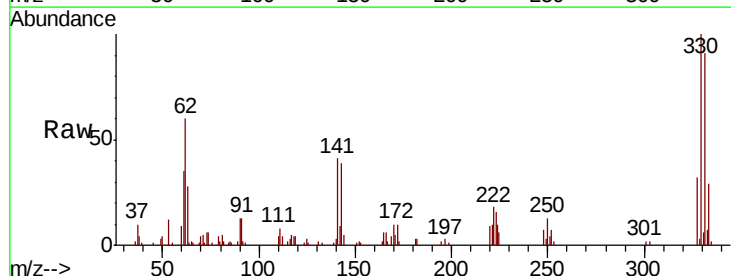
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 48.486 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.5	117.7
141	46.8	37.0	55.6

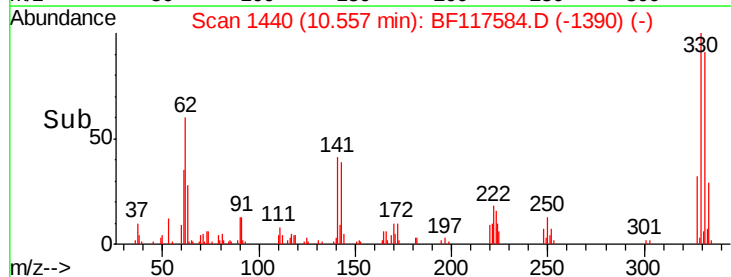
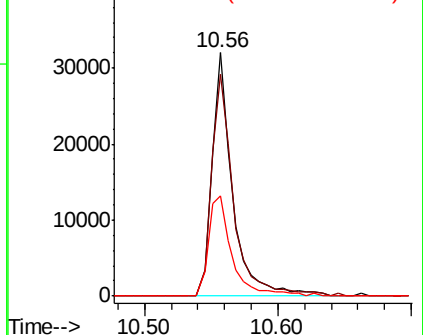


Abundance

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





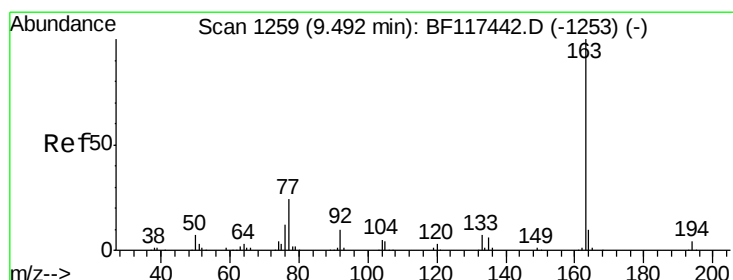
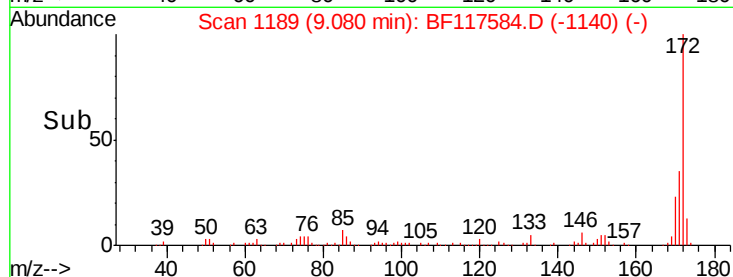
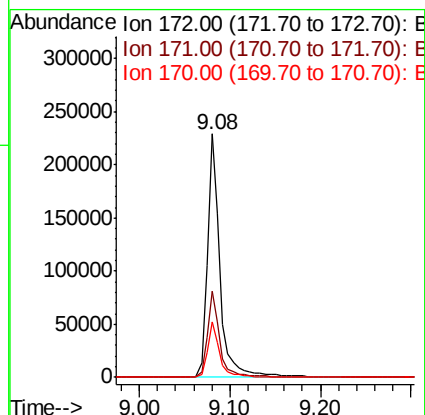
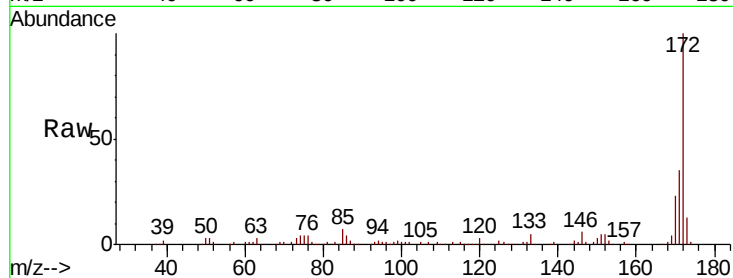
#45
2-Fluorobiphenyl
Concen: 38.186 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.5	41.3
170	22.6	18.6	27.8

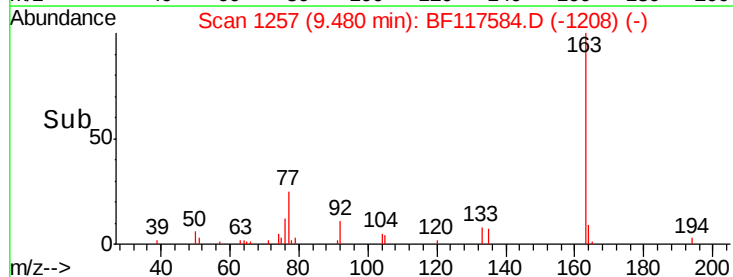
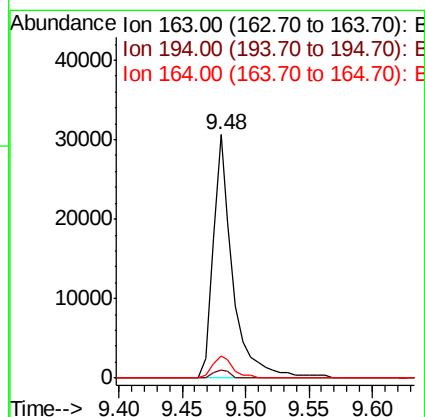
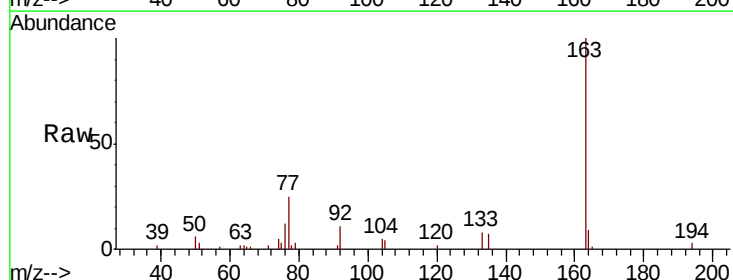
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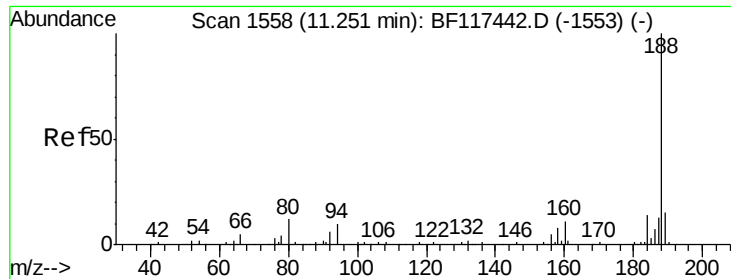
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#50
Dimethylphthalate
Concen: 5.638 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.9	4.3
164	9.2	8.2	12.2





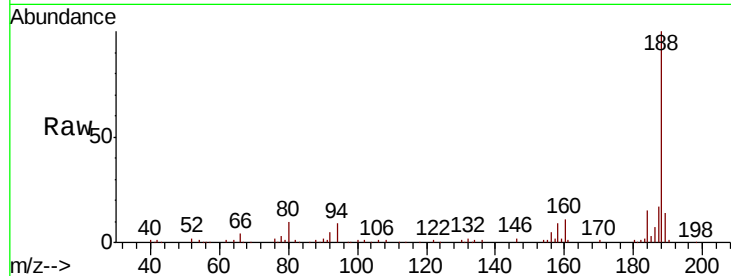
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)

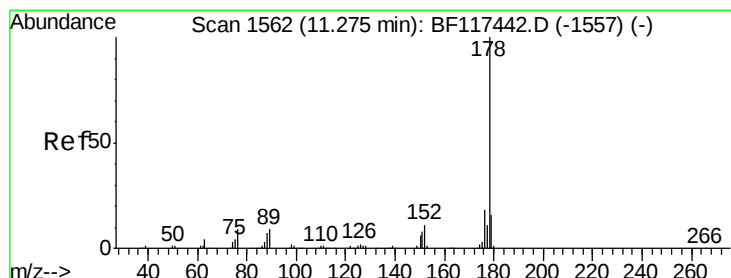
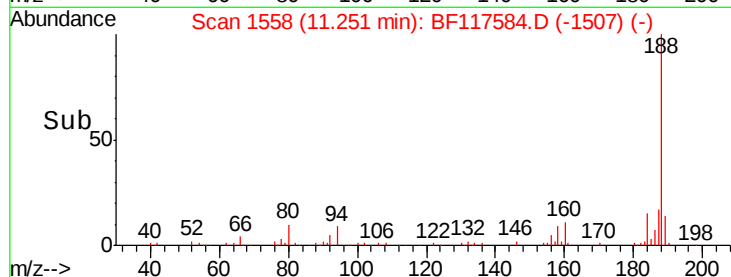
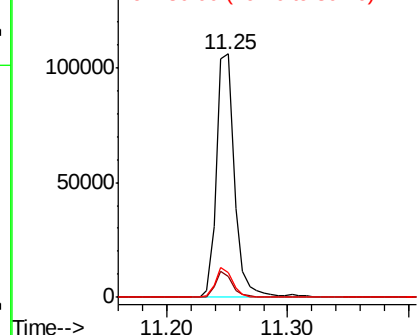
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.7	8.0	12.0
80	10.3	9.5	14.3

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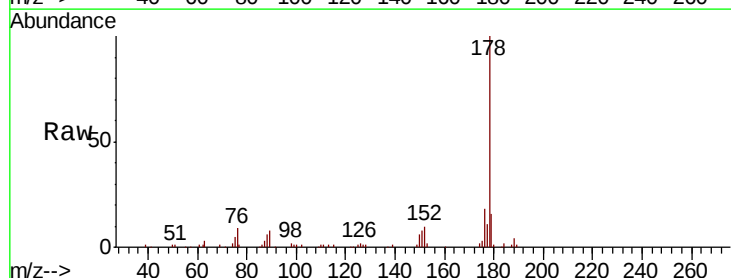


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

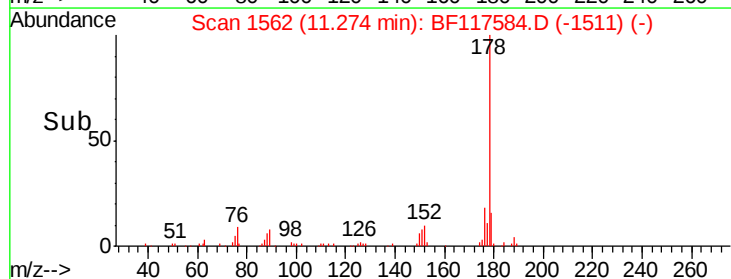
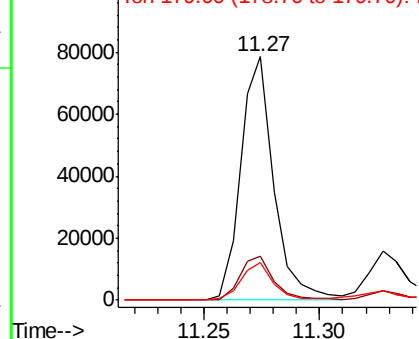


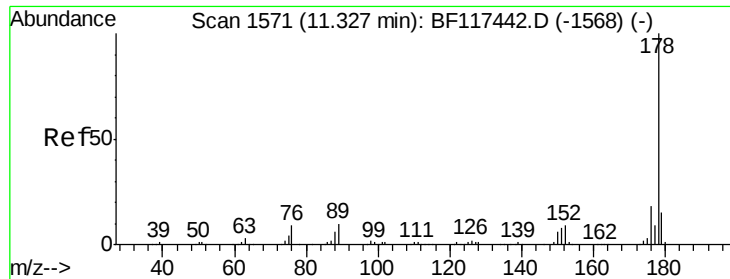
#71
Phenanthrene
Concen: 12.366 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.6	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.906 ng/mL

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117584.D

Acq: 29 Oct 2019 12:17

Instrument :

BNA_F

ClientSampleId :

174-54-(0-2)

Tot Ion:178 Resp: 18967

Ion Ratio Lower Upper

178 100

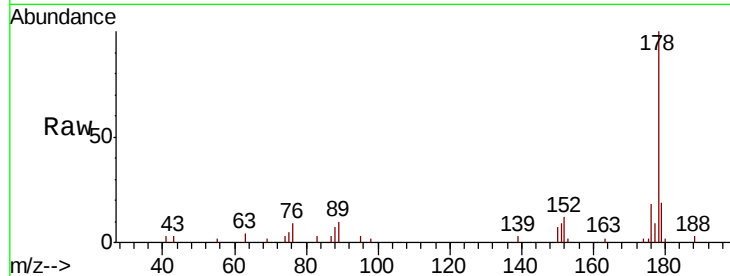
176 17.6 14.7 22.1

179 19.5 12.2 18.2#

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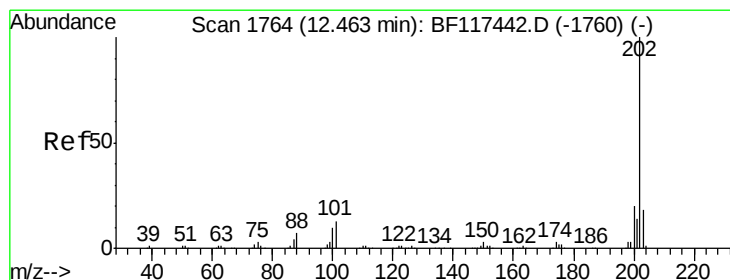
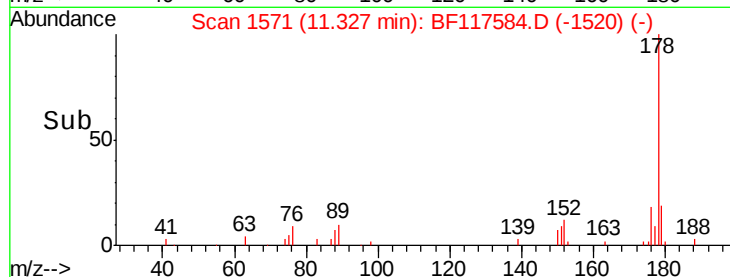
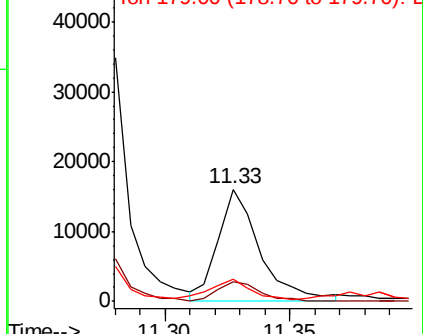
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 24.176 ng/mL

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117584.D

Acq: 29 Oct 2019 12:17

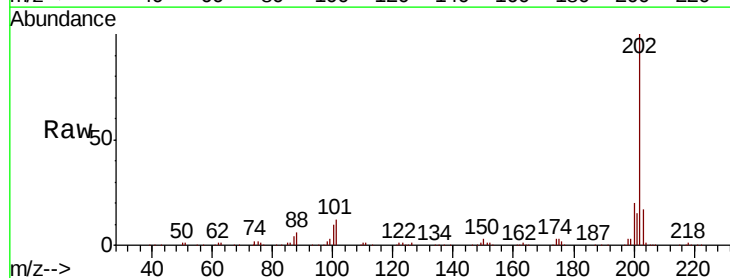
Tgt Ion:202 Resp: 153929

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.7

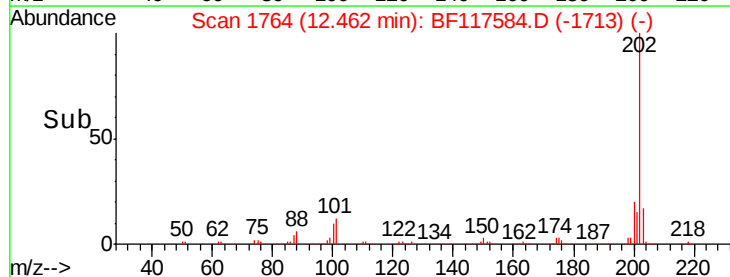
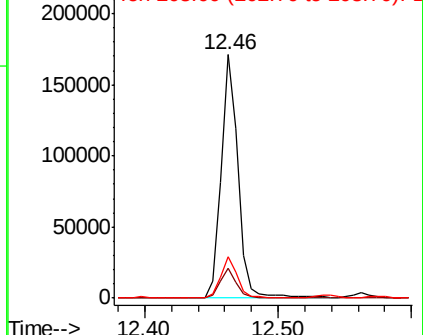
203 16.8 0.0 37.6

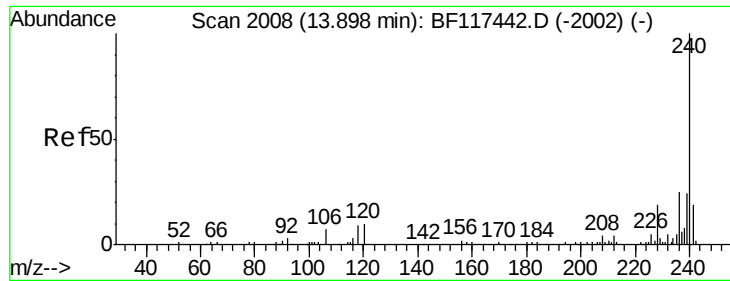


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





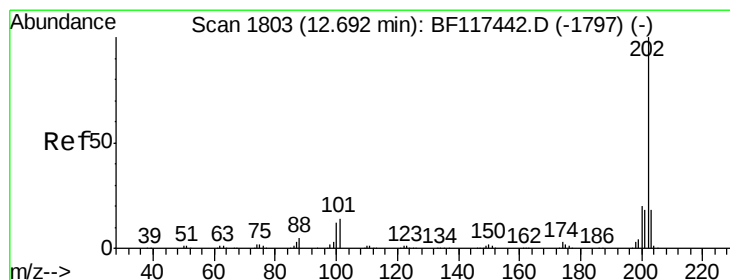
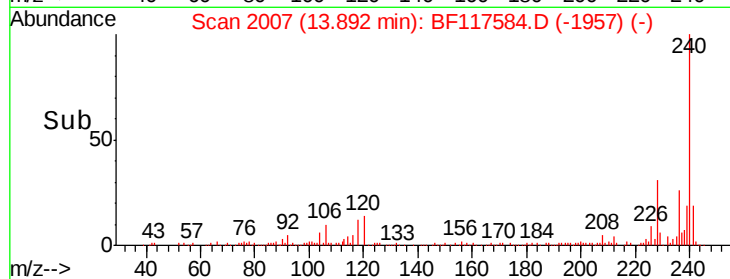
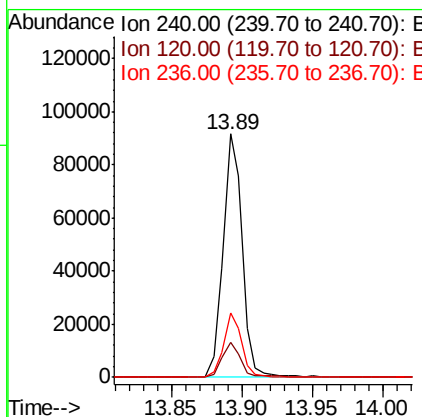
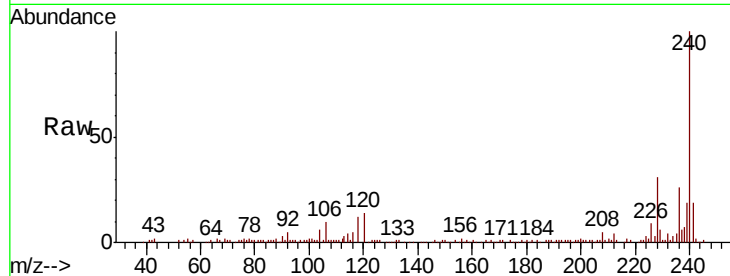
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.3	8.4	12.6
236	26.3	20.0	30.0

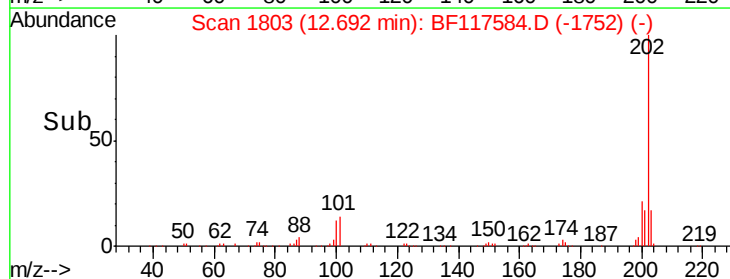
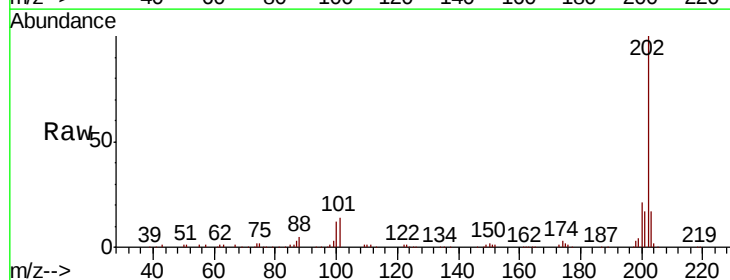
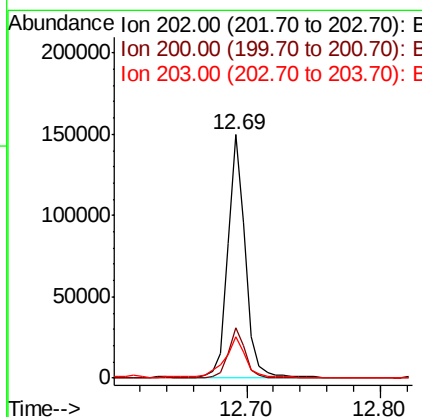
Manual Integrations
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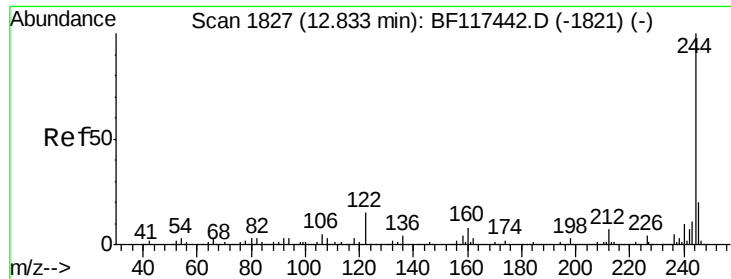
mohammad
10/30/2019 4:52:43 PM



#78
Pyrene
Concen: 18.491 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.2
203	17.1	14.0	21.0





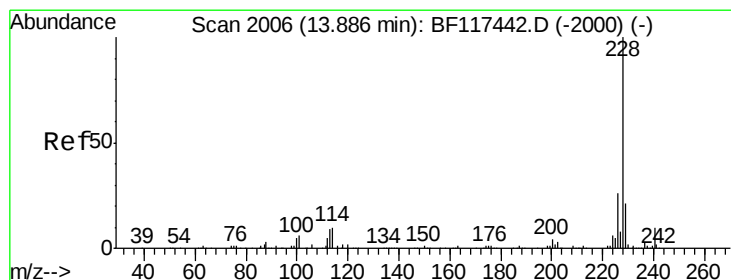
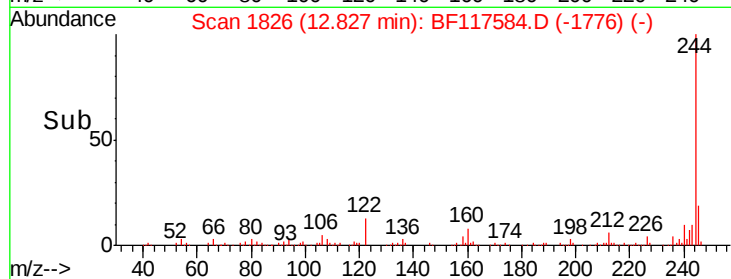
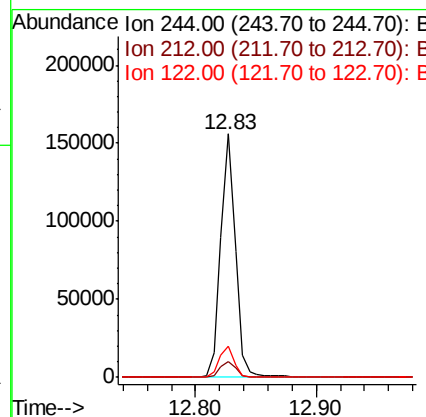
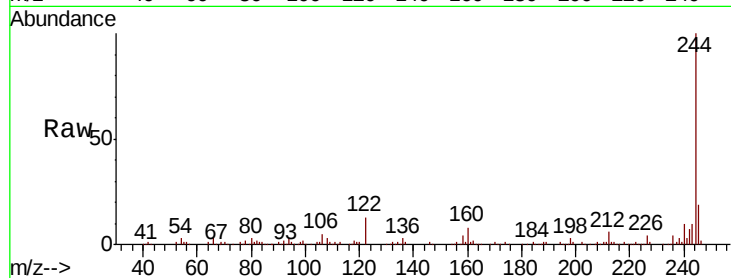
#79
 Terphenyl-d14
 Concen: 24.532 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

Instrument :
 BNA_F
 ClientSampleId :
 174-54-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.6
122	12.8	11.8	17.8

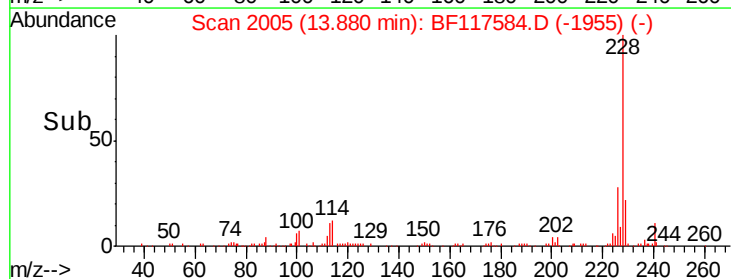
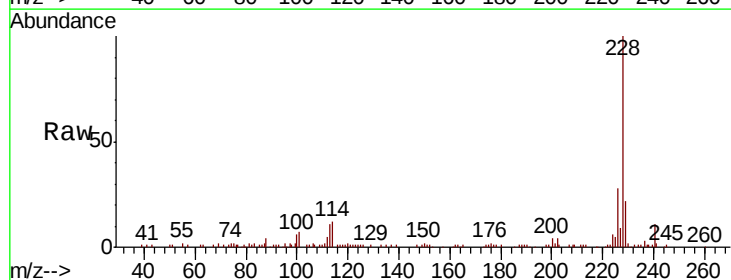
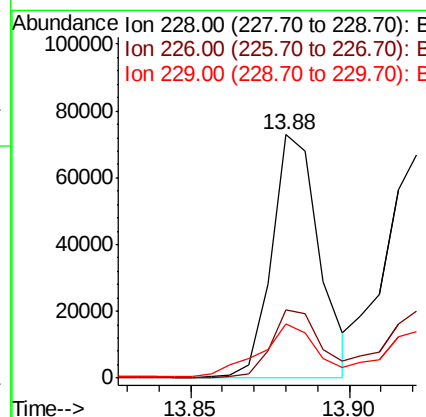
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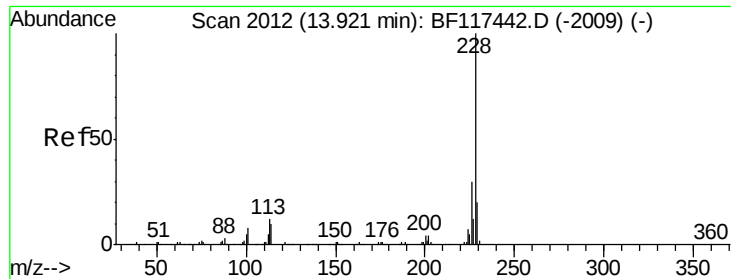
mohammad
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#81
 Benzo(a)anthracene
 Concen: 13.125 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.0	31.4
229	22.1	16.4	24.6





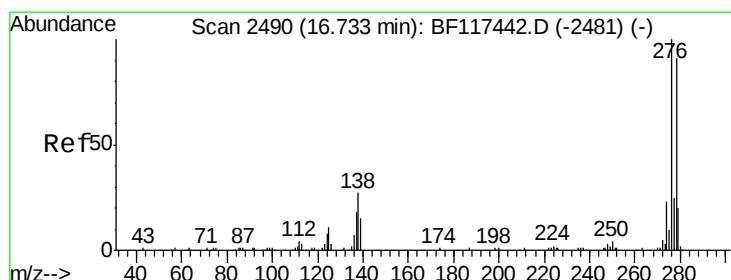
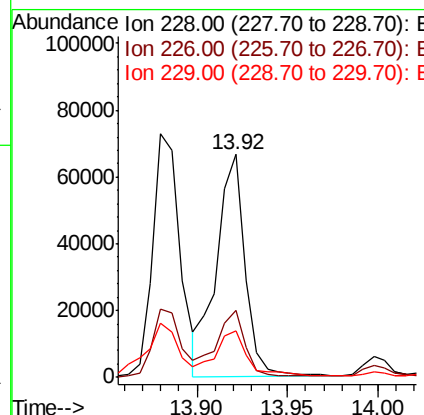
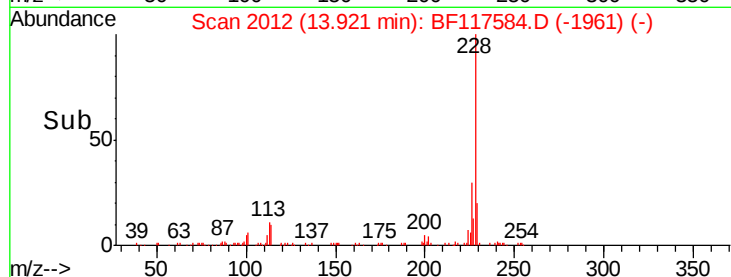
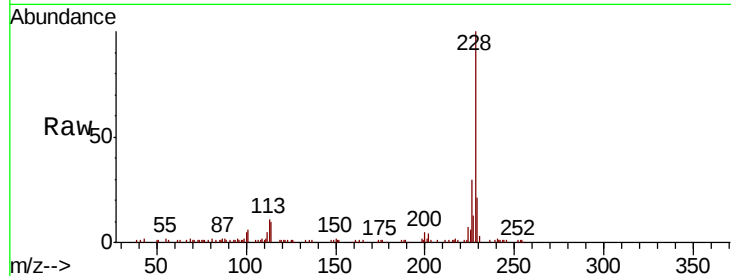
#83
Chrysene
Concen: 12.788 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	21.0	15.8	23.6

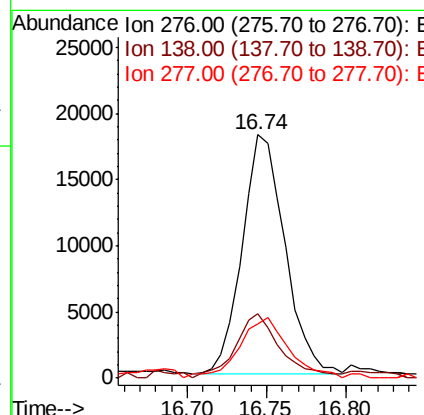
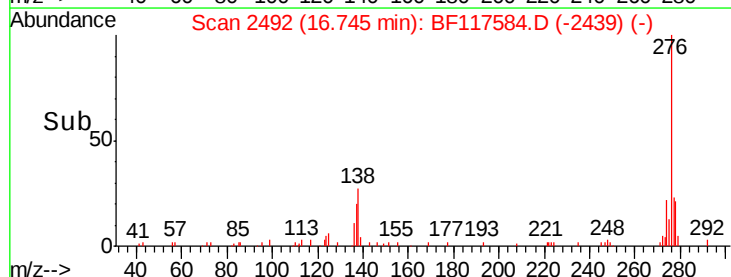
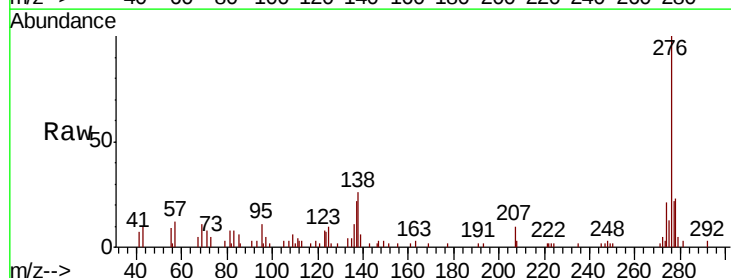
Manual Integrations
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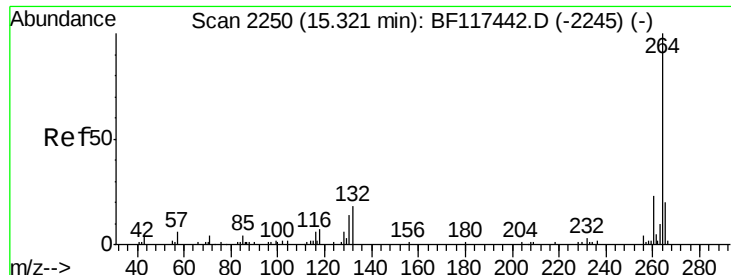
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.930 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.2	21.8	32.8
277	29.2	20.0	30.0





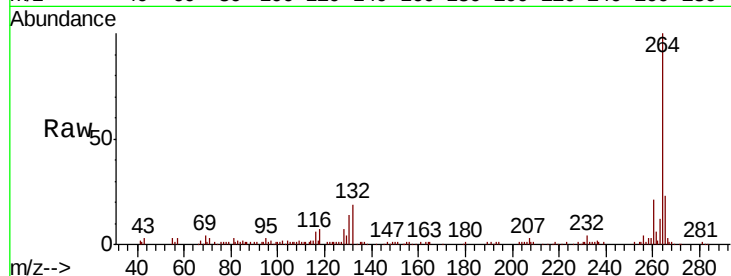
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.4	18.4	27.6
265	22.6	16.1	24.1

Manual Integrations
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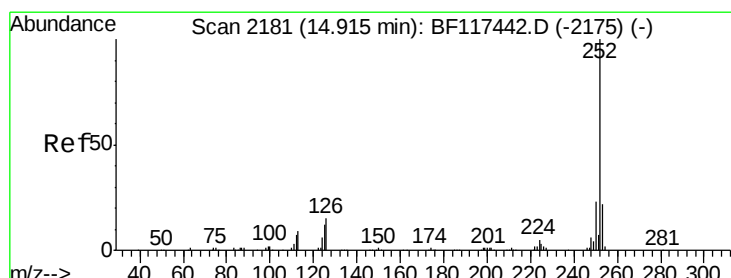
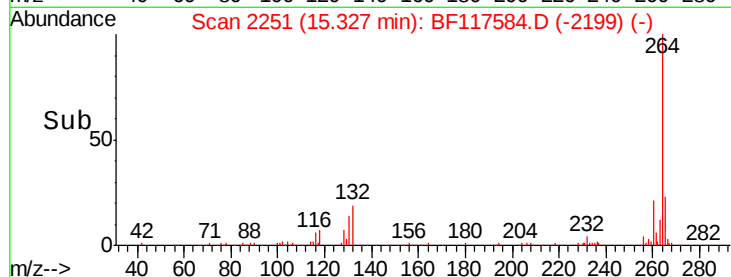
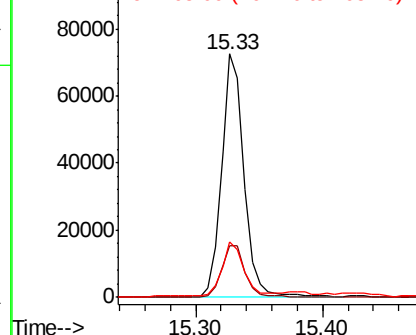


Abundance

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: 18.585 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

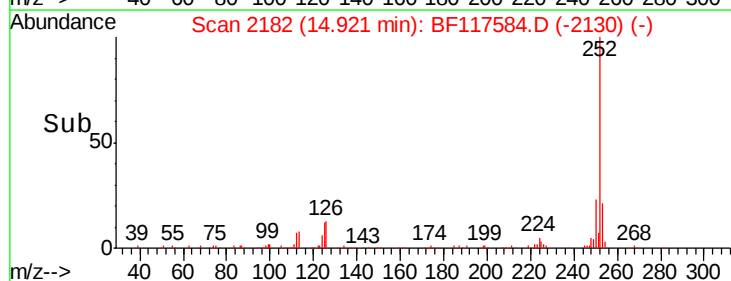
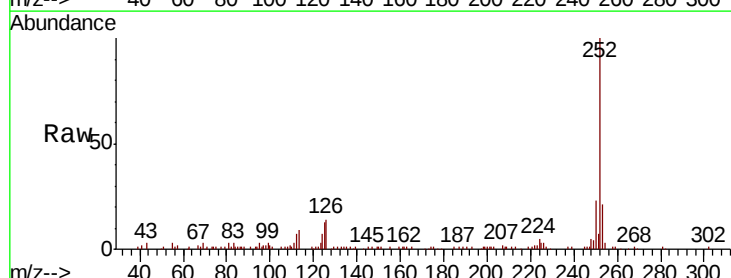
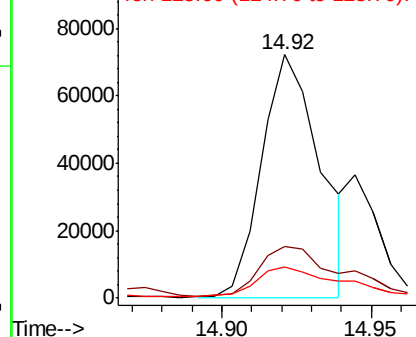
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.6
125	13.0	9.9	14.9

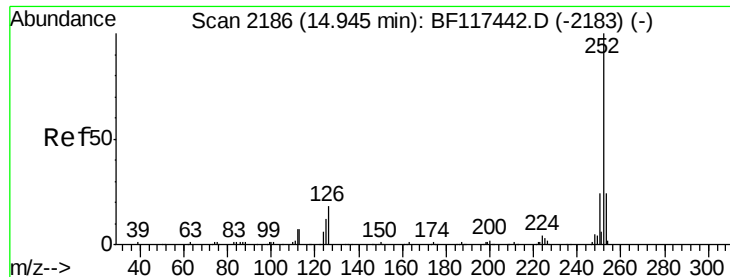
Abundance

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





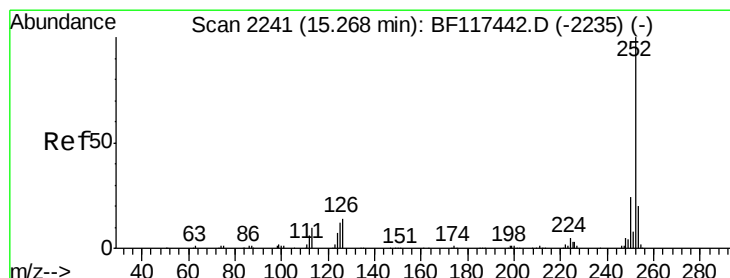
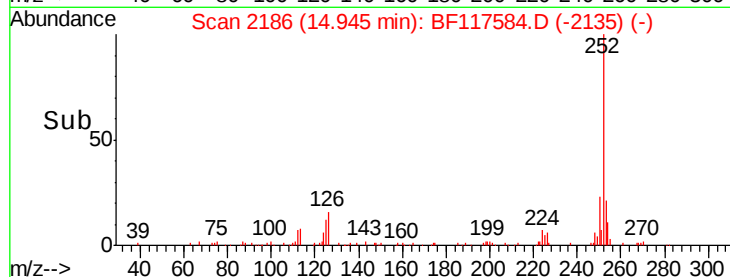
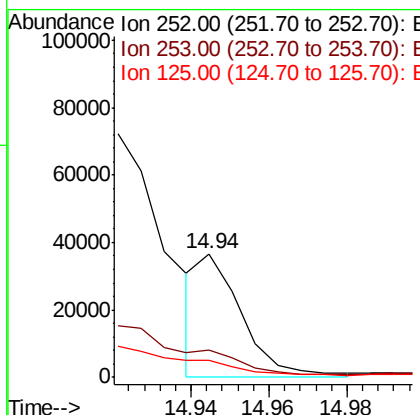
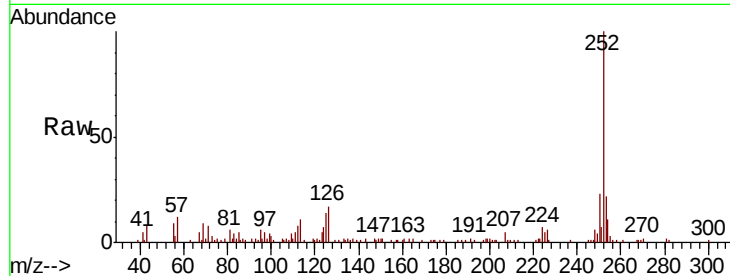
#89
Benzo(k)fluoranthene
Concen: 5.207 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	13.9	8.9	13.3

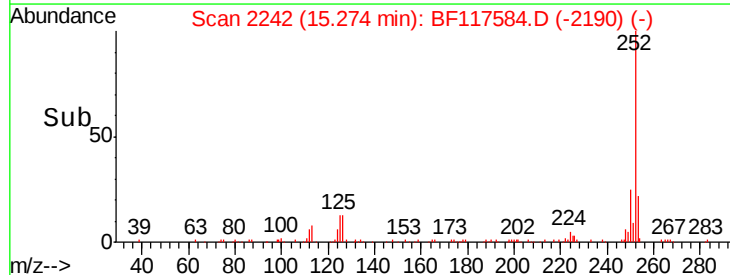
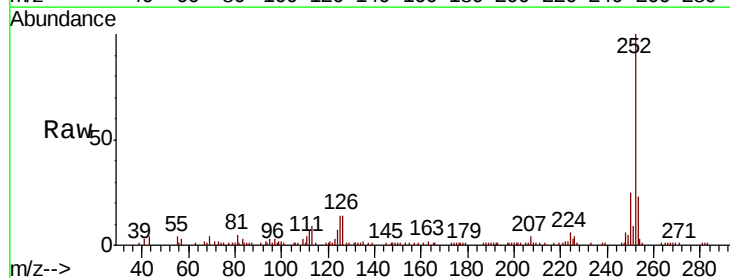
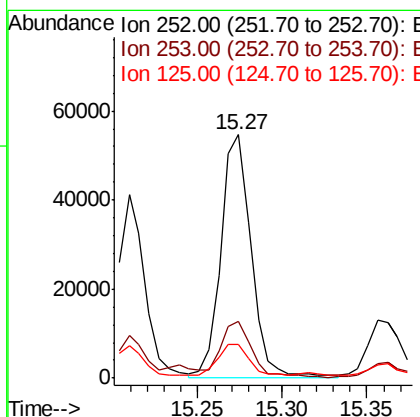
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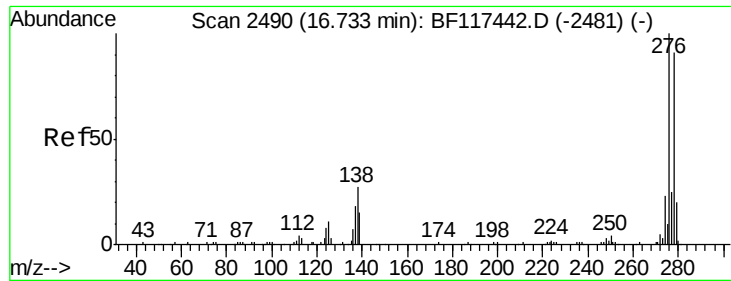
mohammad
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#90
Benzo(a)pyrene
Concen: 14.048 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.3	24.5
125	14.1	9.2	13.8





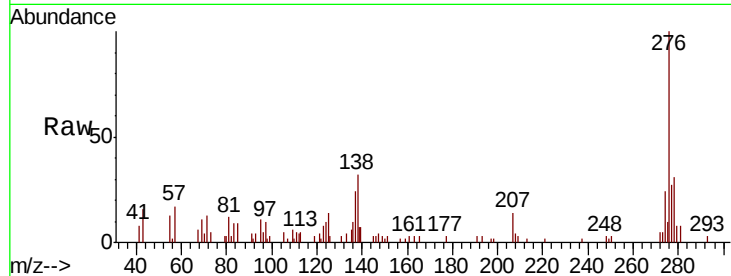
#91
Dibenzo(a,h)anthracene
Concen: 2.208 ng m
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampleId :
174-54-(0-2)

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.0	13.4	20.0#
279	25.8	17.8	26.6

Manual Integrations
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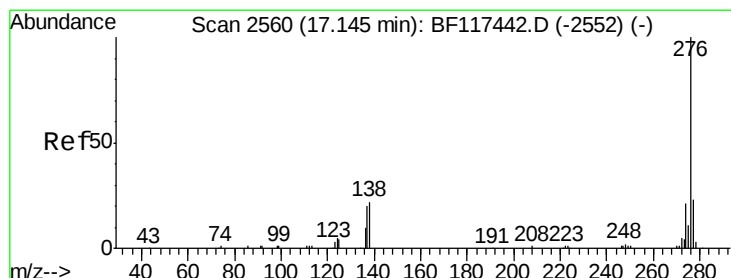
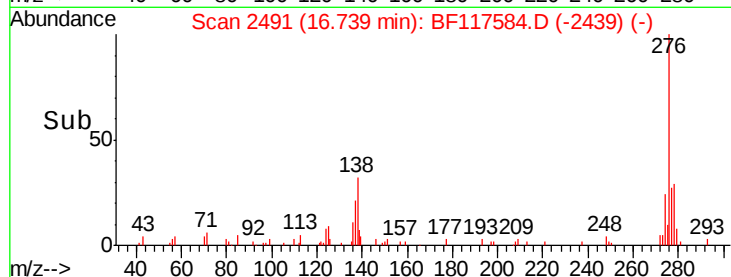
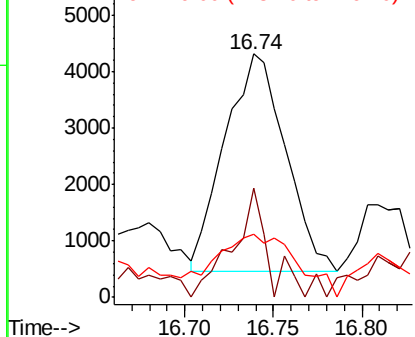


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 8.370 ng m
RT: 17.17 min Scan# 2565
Delta R.T. 0.03 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.4	27.6
138	26.2	17.8	26.6

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

