

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116087.D
 Acq On : 9 Aug 2019 00:18
 Operator : HP/JU
 Sample : K4154-10 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-10

Manual Integrations
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mohammad
 8/14/2019 9:21:28 AM

Quant Time: Aug 09 16:37:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	119728	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	500430	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	278312	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	477908	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	297177	20.00	ng	-0.01
87) Perylene-d12	15.46	264	336348	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	324049	45.31	ng	-0.01
7) Phenol-d6	6.47	99	428619	47.50	ng	-0.02
23) Nitrobenzene-d5	7.40	82	244934	28.25	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	95413	35.36	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	385835	25.97	ng	-0.02
79) Terphenyl-d14	12.93	244	358218	25.40	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.59	163	89966	4.748	ng	99
71) Phenanthrene	11.38	178	391961	16.043	ng	99
72) Anthracene	11.43	178	52441	2.121	ng	98
75) Fluoranthene	12.57	202	758822	29.668	ng	97
78) Pyrene	12.80	202	612967	27.363	ng	99
81) Benzo(a)anthracene	13.99	228	246753	12.991	ng	99
83) Chrysene	14.02	228	267559	14.509	ng	99
84) Bis(2-ethylhexyl)phthalate	13.97	149	1012337	82.210	ng	98
86) Indeno(1,2,3-cd)pyrene	16.93	276	145601	9.401	ng	# 91
88) Benzo(b)fluoranthene	15.04	252	339587m	17.461	ng	
89) Benzo(k)fluoranthene	15.06	252	101160m	5.340	ng	
90) Benzo(a)pyrene	15.40	252	207902	11.959	ng	99
91) Dibenzo(a,h)anthracene	16.94	278	33507	2.227	ng	# 92
92) Benzo(a,h,i)perylene	17.37	276	128518	8.696	ng	98

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

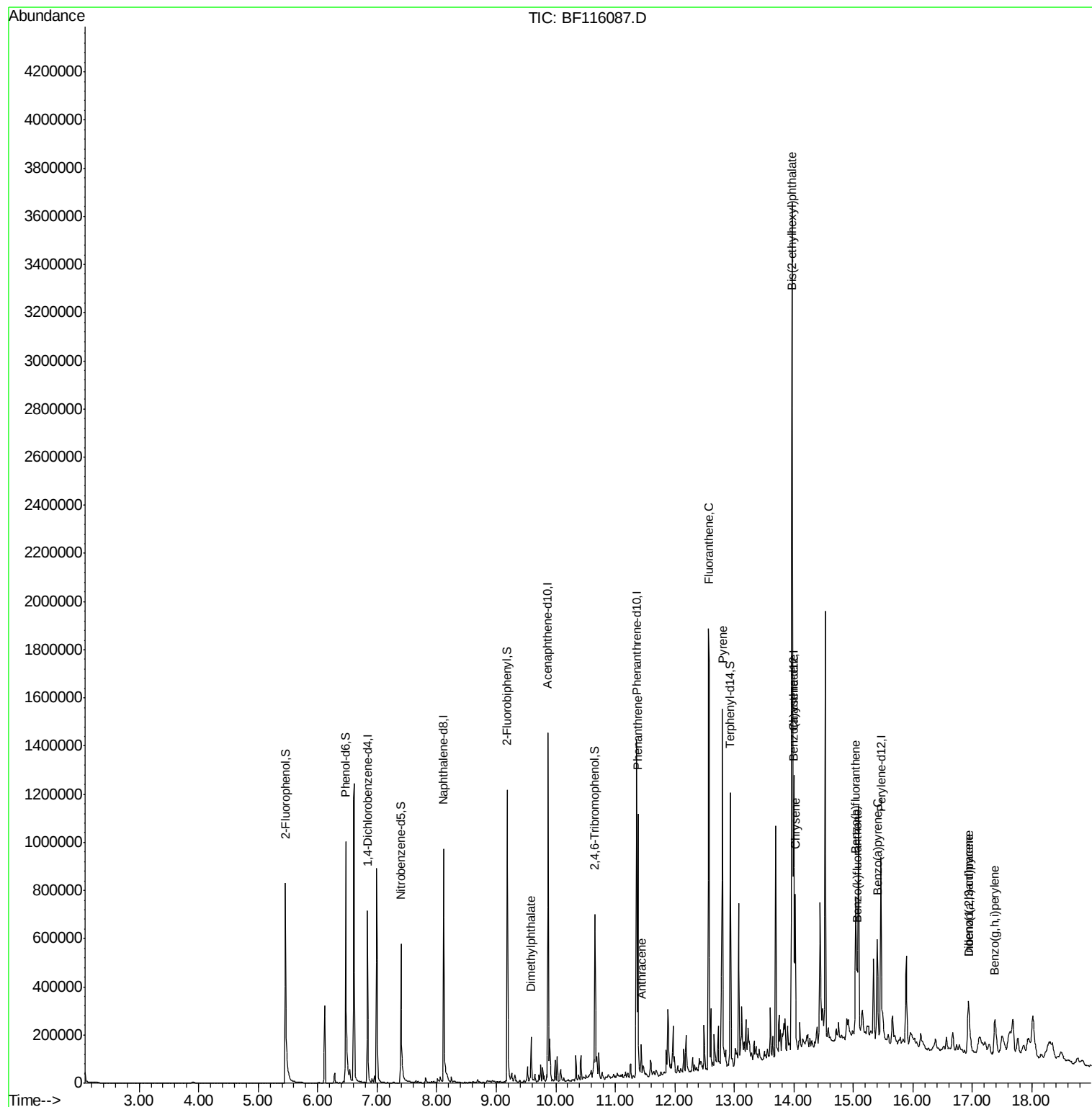
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
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ALS Vial : 14 Sample Multiplier: 1

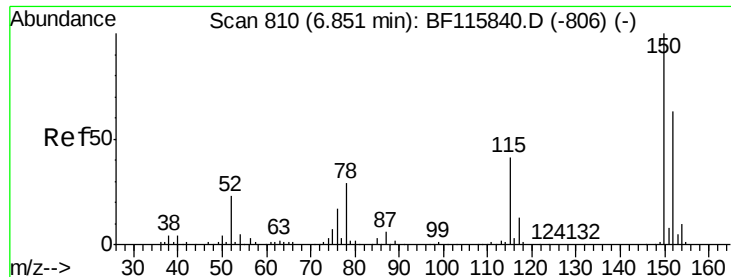
Instrument :
BNA_F
ClientSampled :
PS-10

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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#1

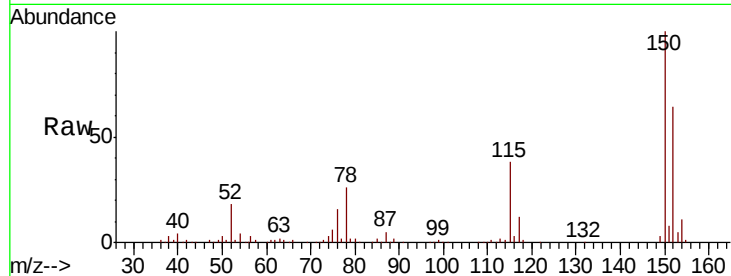
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Instrument :
BNA_F
ClientSampled :
PS-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	59.4	49.9	74.9

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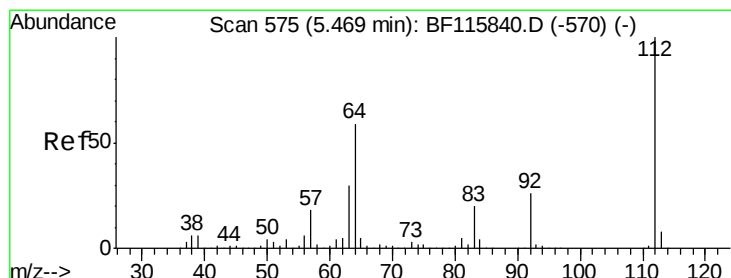
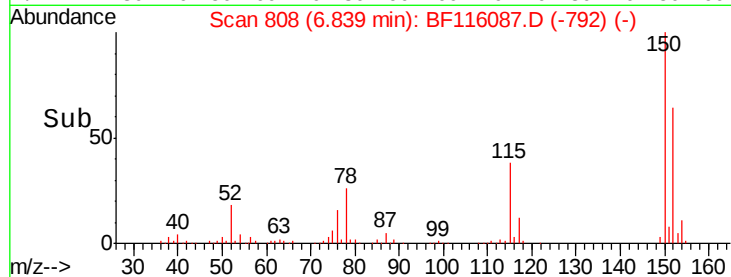
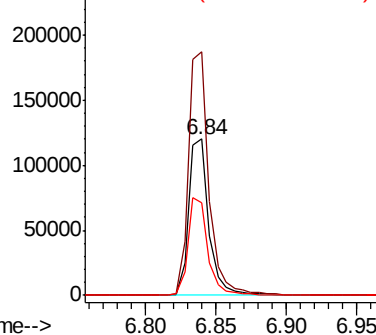


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

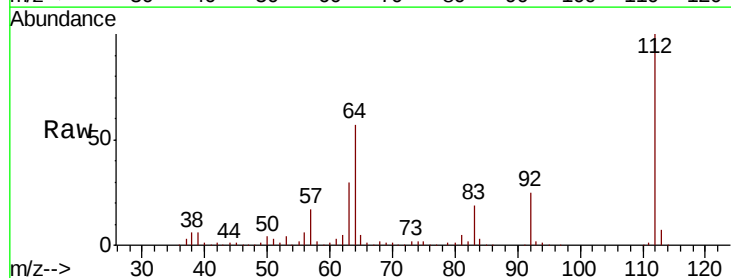
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.309 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	45.4	68.2
63	29.5	23.7	35.5

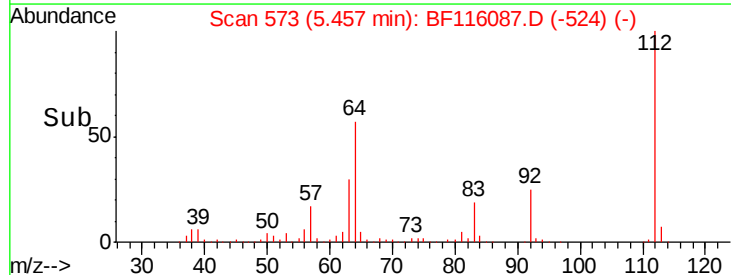
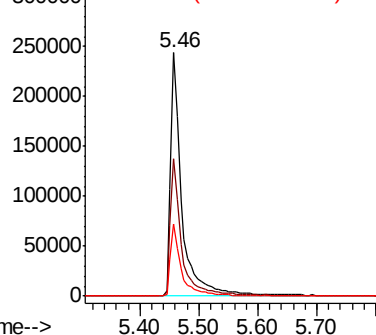


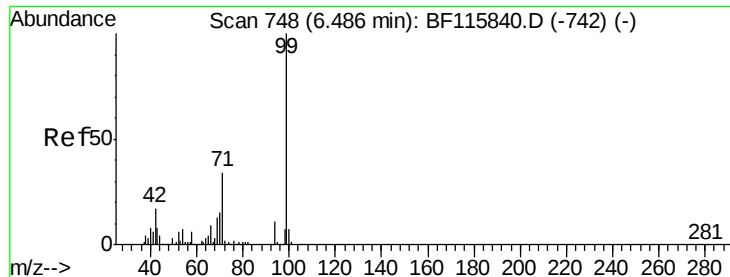
Abundance

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: 47.501 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116087.D

Acq: 9 Aug 2019 00:18

Instrument :

BNA_F

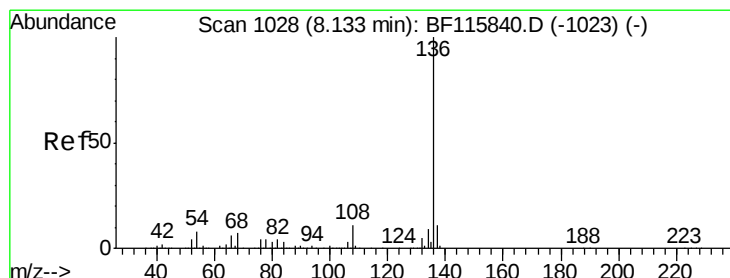
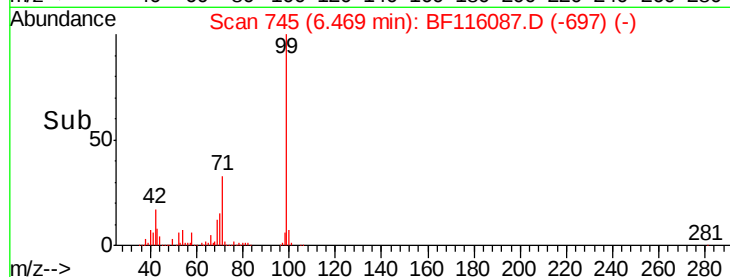
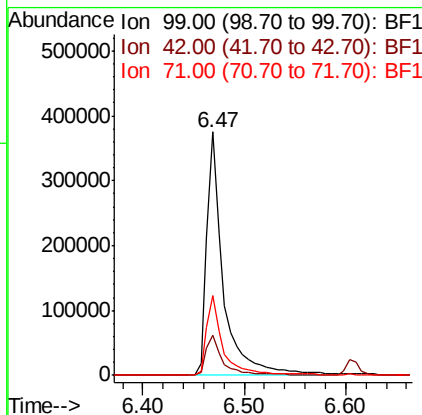
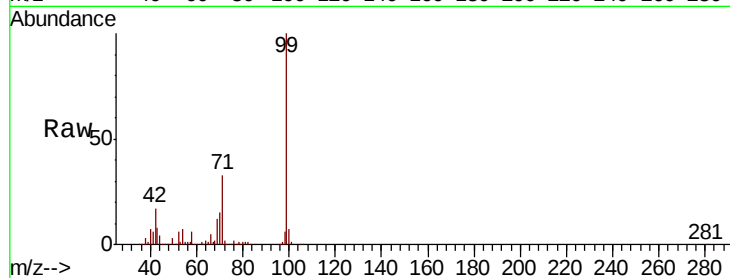
ClientSampled :

PS-10

Tot Ion:	99	Resp:	428619
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.8	20.8
71	32.5	27.3	40.9

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#21

Naphthalene-d8

Concen: 20.000 ng

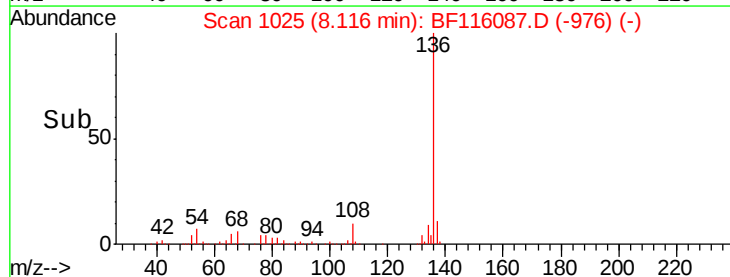
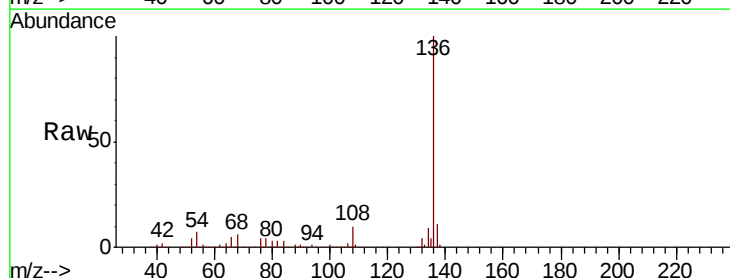
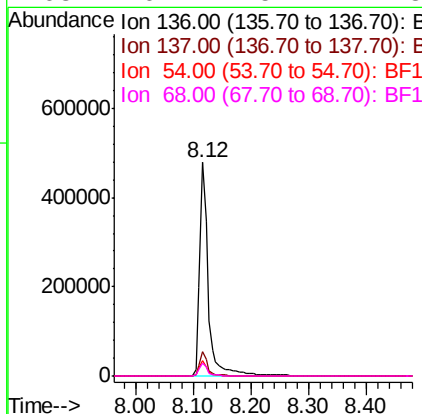
RT: 8.12 min Scan# 1025

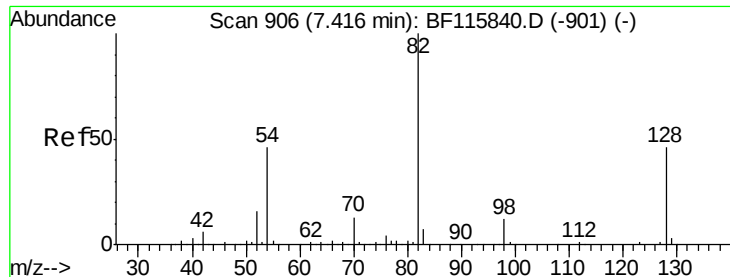
Delta R.T. -0.01 min

Lab File: BF116087.D

Acq: 9 Aug 2019 00:18

Tgt Ion:	136	Resp:	500430
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.4	5.8	8.6
68	6.2	5.2	7.8





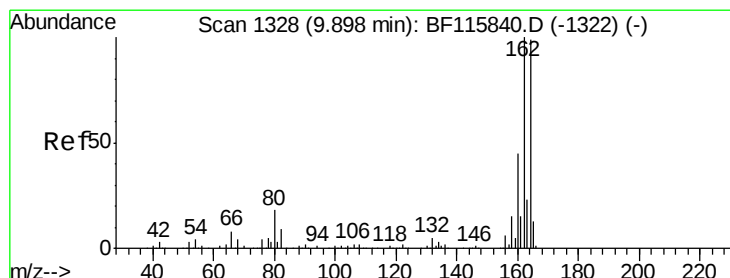
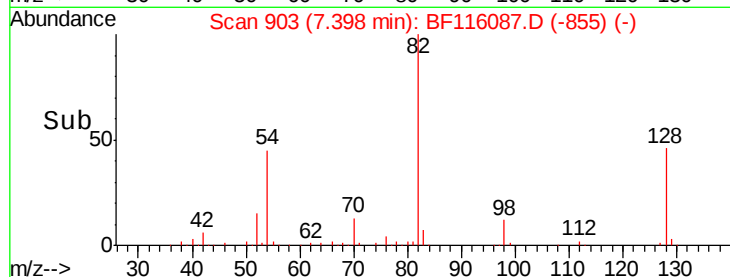
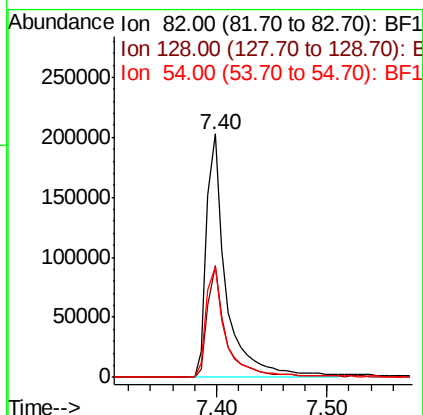
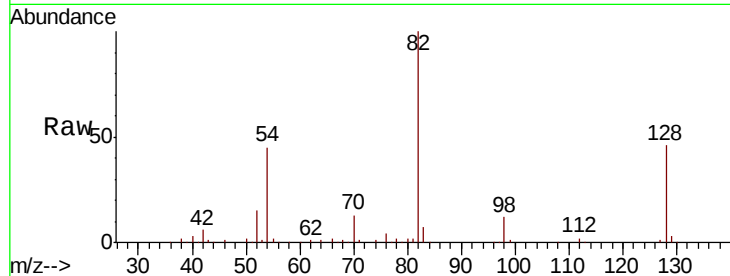
#23
Nitrobenzene-d5
Concen: 28.252 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Instrument :
BNA_F
ClientSampled :
PS-10

Tot Ion	82	Resp	244934
Ion Ratio	100	Lower	Upper
82	100		
128	45.8	36.5	54.7
54	45.5	36.0	54.0

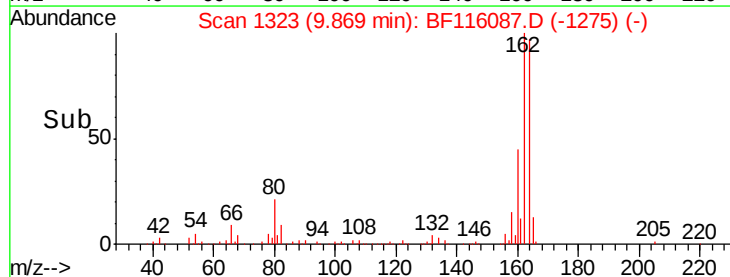
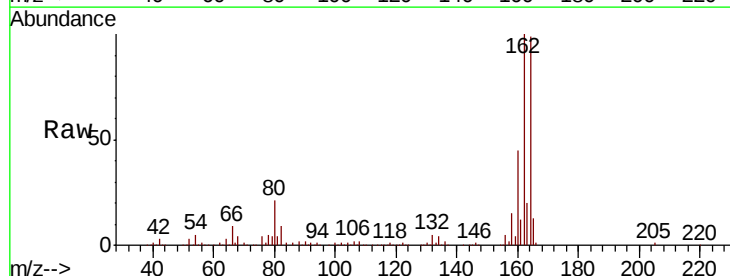
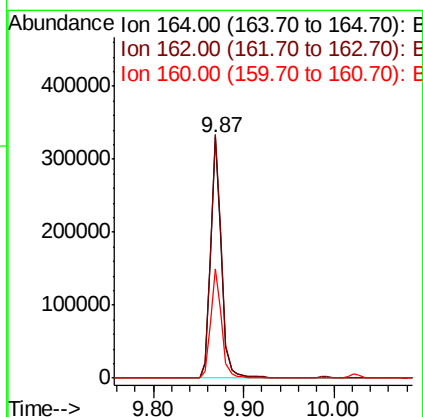
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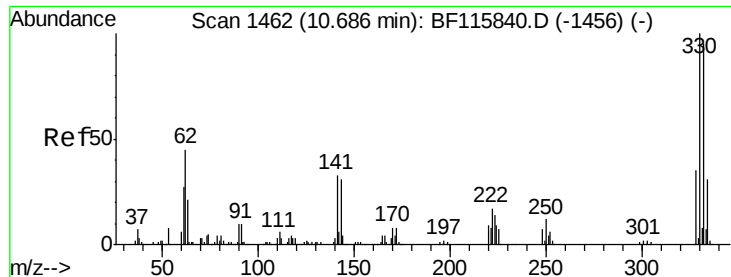
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Tgt Ion	164	Resp	278312
Ion Ratio	100	Lower	Upper
164	100		
162	101.2	82.6	124.0
160	45.1	37.6	56.4





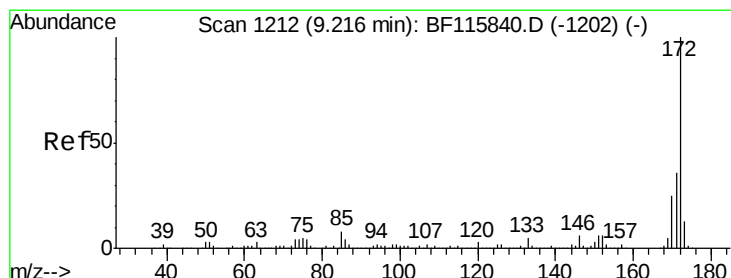
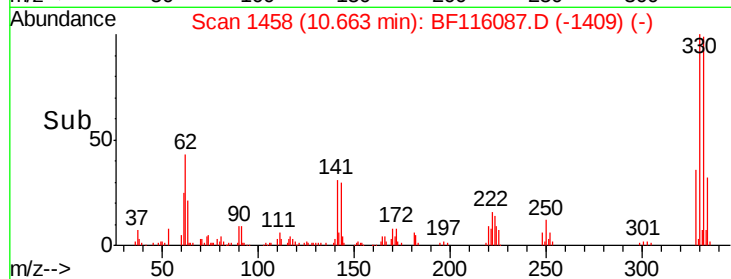
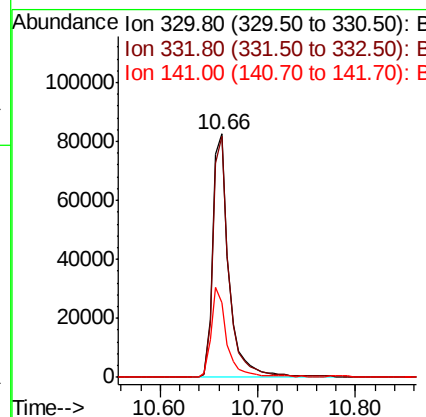
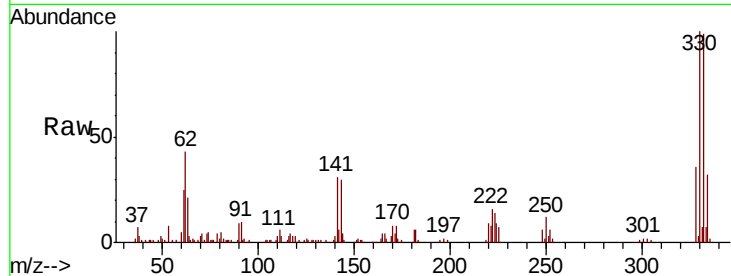
#42
 2,4,6-Tribromophenol
 Concen: 35.360 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116087.D
 Acq: 9 Aug 2019 00:18

Instrument :
 BNA_F
 ClientSampled :
 PS-10

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.8	115.2
141	35.7	26.3	39.5

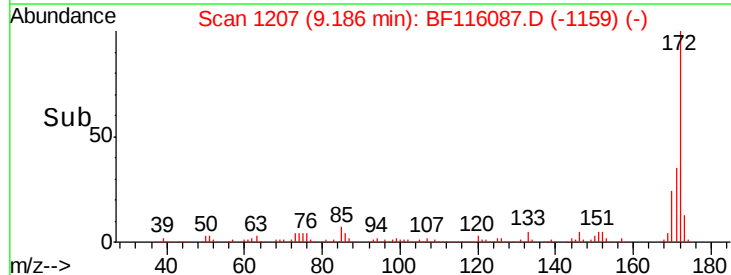
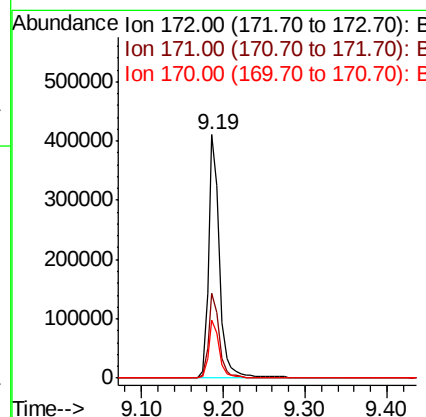
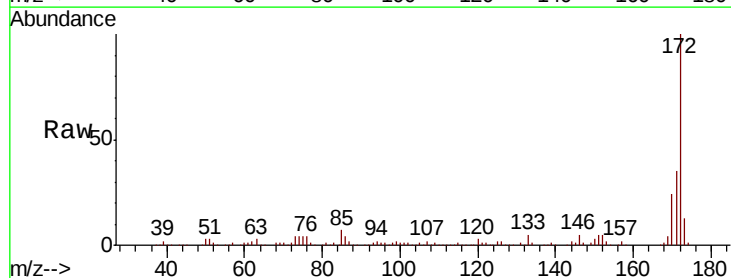
Manual Integrations
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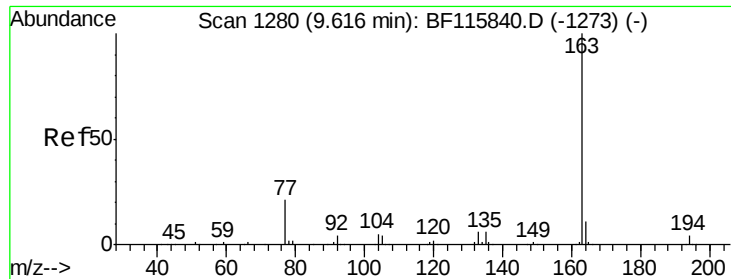
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#45
 2-Fluorobiphenyl
 Concen: 25.967 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116087.D
 Acq: 9 Aug 2019 00:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	23.8	20.1	30.1





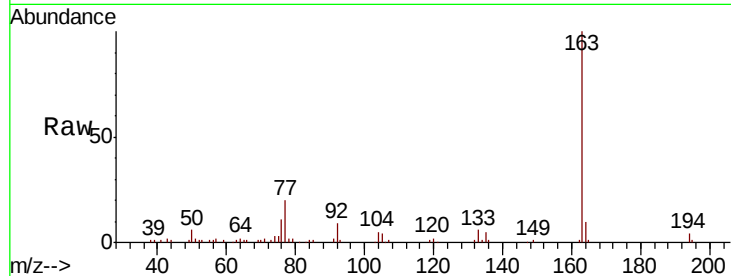
#50
Dimethylphthalate
Concen: 4.748 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Instrument :
BNA_F
ClientSampleId :
PS-10

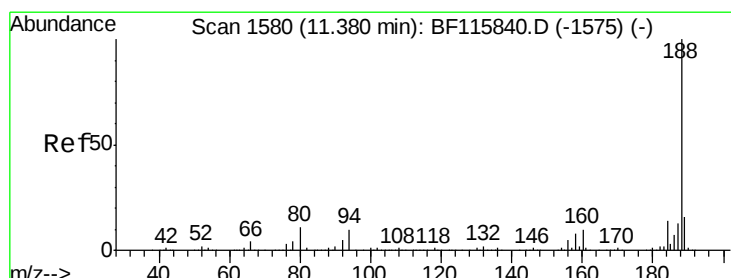
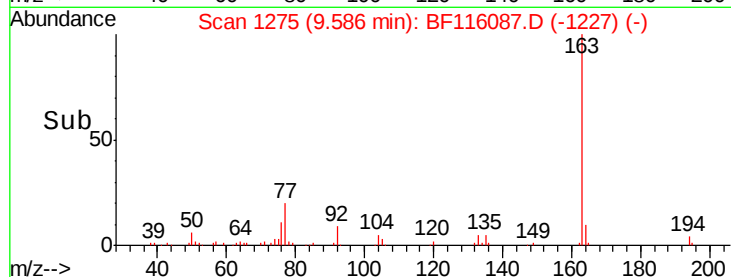
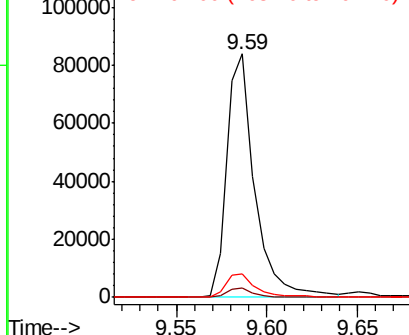
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	9.8	8.4	12.6

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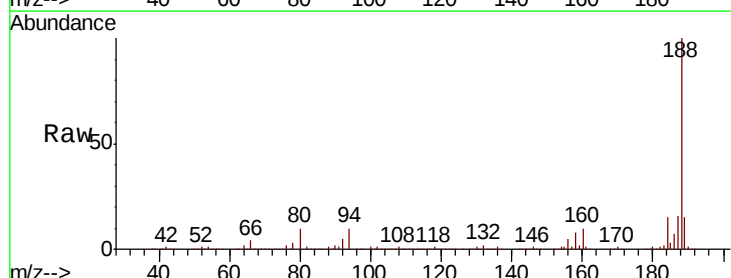


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

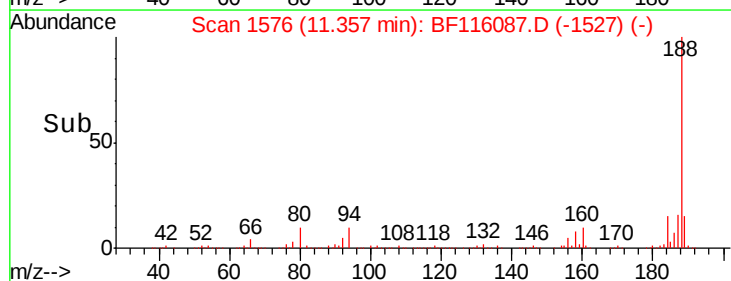
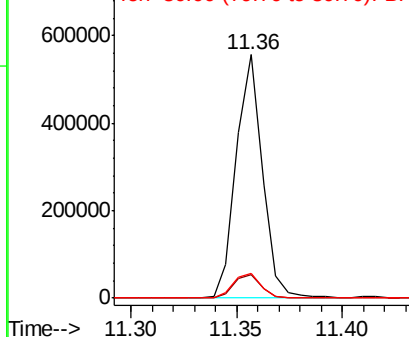


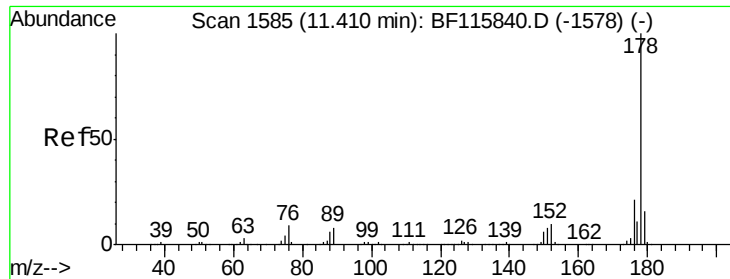
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.1	12.1
80	10.3	8.7	13.1



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





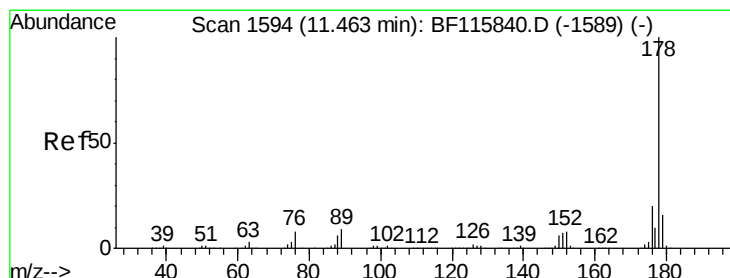
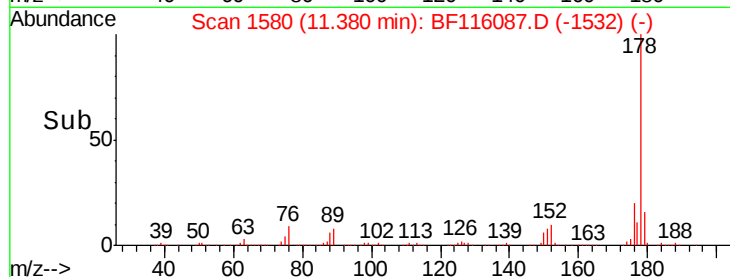
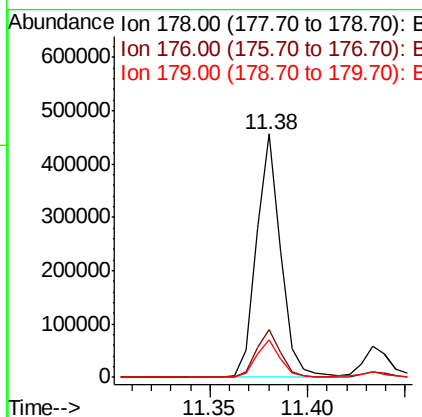
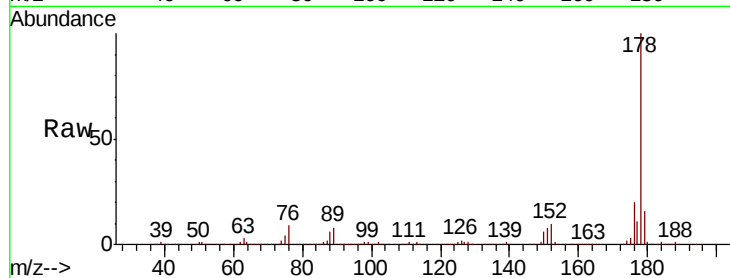
#71
Phenanthrene
Concen: 16.043 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Instrument :
BNA_F
ClientSampleId :
PS-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.6	24.8
179	15.6	12.5	18.7

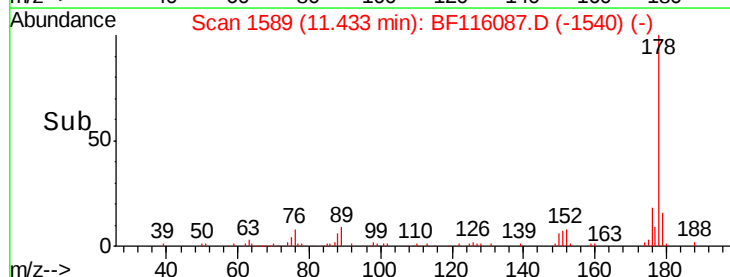
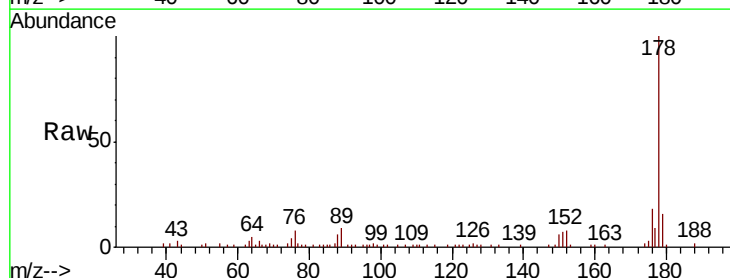
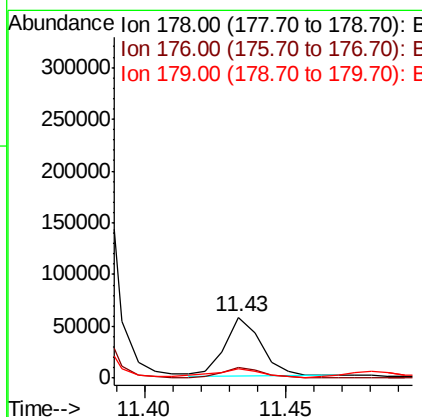
Manual Integrations
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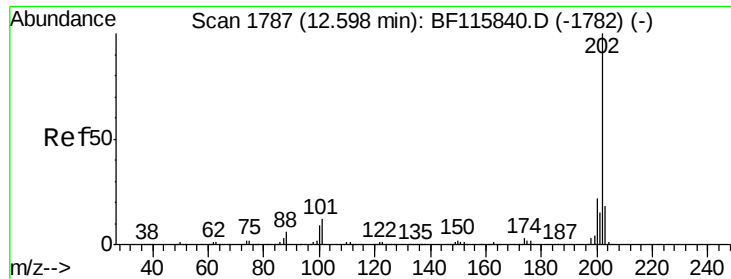
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#72
Anthracene
Concen: 2.121 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.7	23.5
179	15.7	13.0	19.6





#75

Fluoranthene

Concen: 29.668 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF116087.D

Acq: 9 Aug 2019 00:18

Instrument :

BNA_F

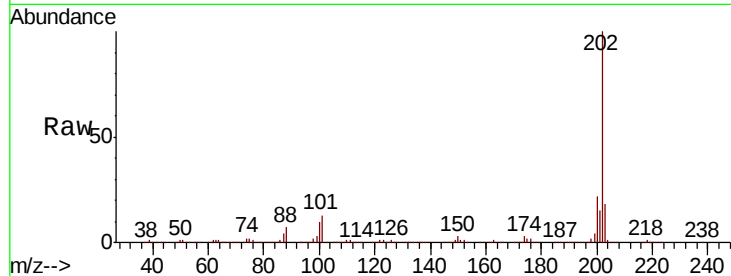
ClientSampled :

PS-10

Tot Ion:	202	Resp:	758822
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	31.2
203	18.1	0.0	37.8

Manual Integrations
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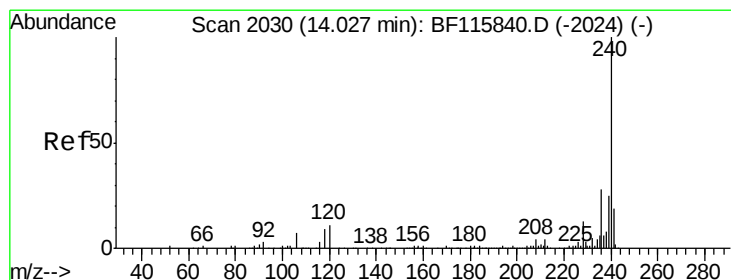
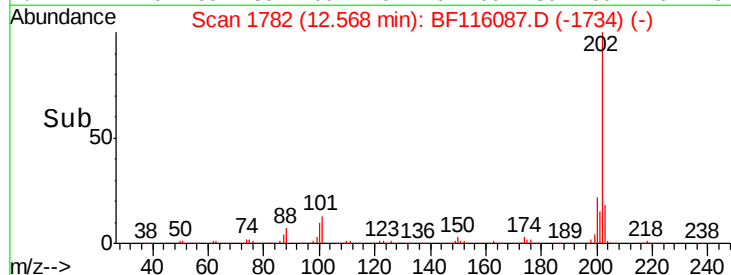
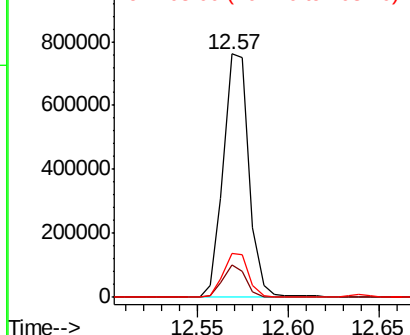


Abundance

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

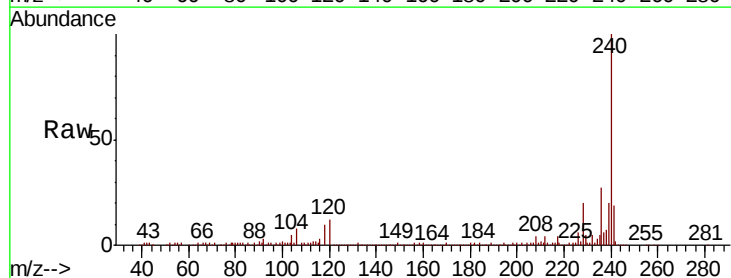
RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF116087.D

Acq: 9 Aug 2019 00:18

Tgt Ion:	240	Resp:	297177
Ion Ratio	Lower	Upper	
240	100		
120	12.0	10.7	16.1
236	27.3	22.2	33.2

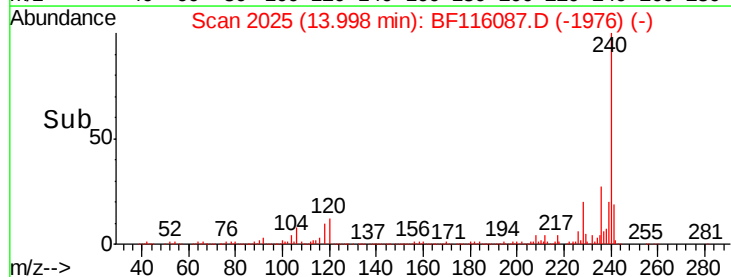
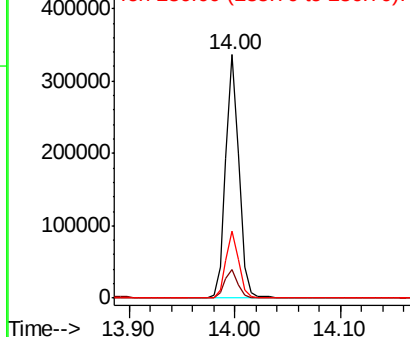


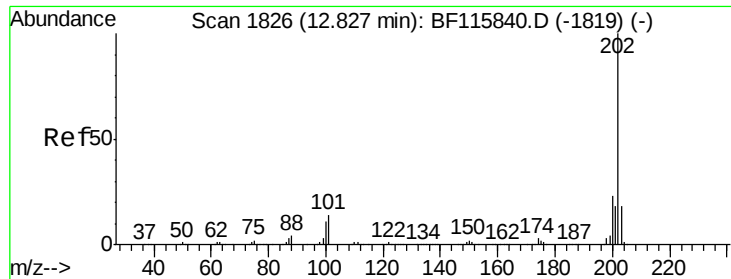
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





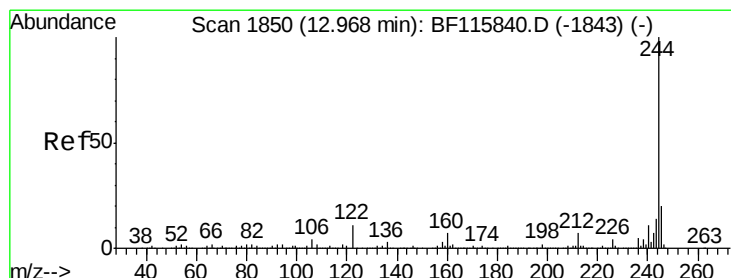
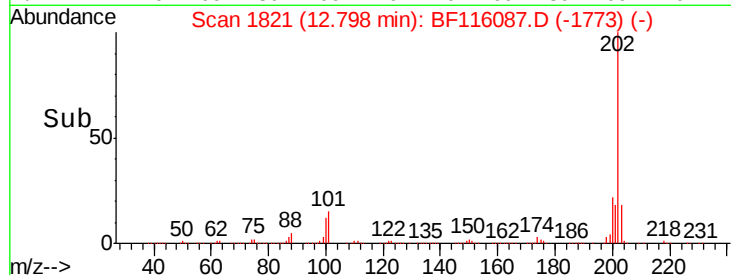
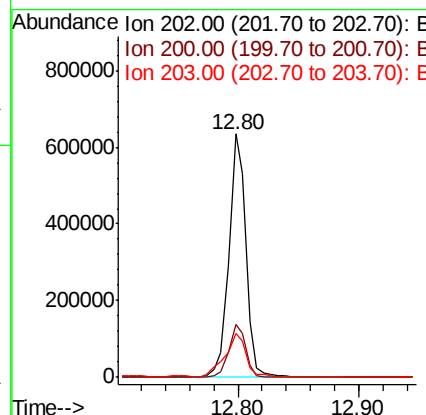
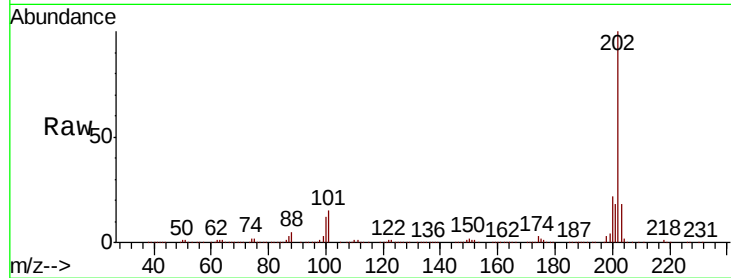
#78
Pvrene
Concen: 27.363 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Instrument :
BNA_F
ClientSampleId :
PS-10

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	18.0	27.0
203	18.2	14.1	21.1

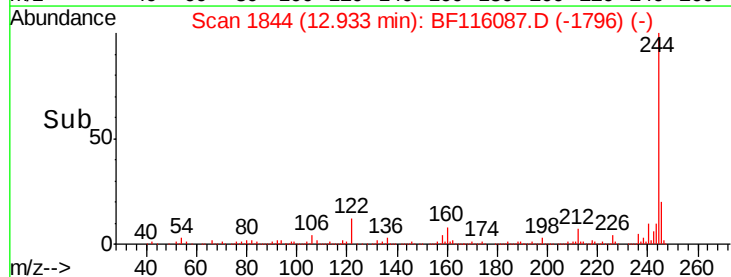
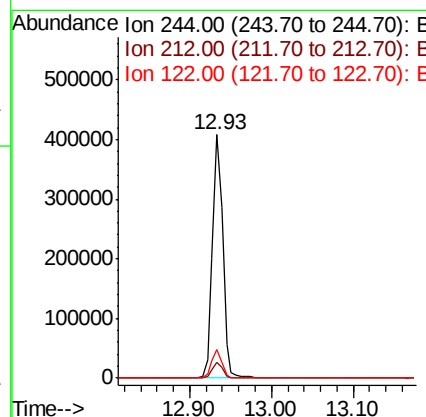
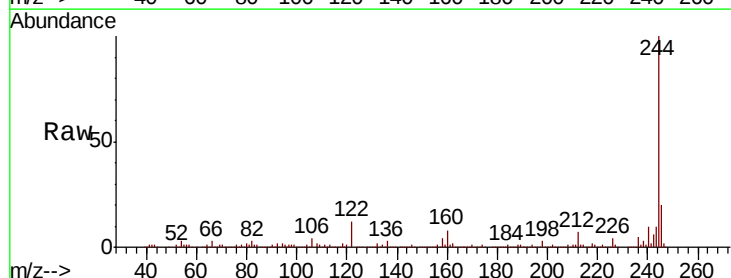
Manual Integrations
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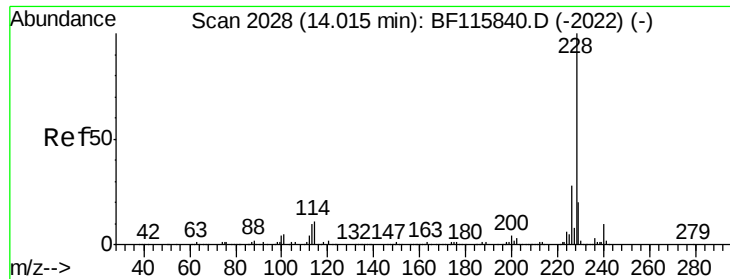
mohammad
8/14/2019 9:21:28 AM



#79
Terphenyl-d14
Concen: 25.400 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	12.0	9.0	13.4





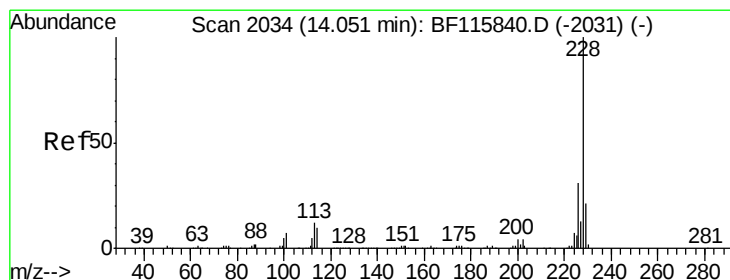
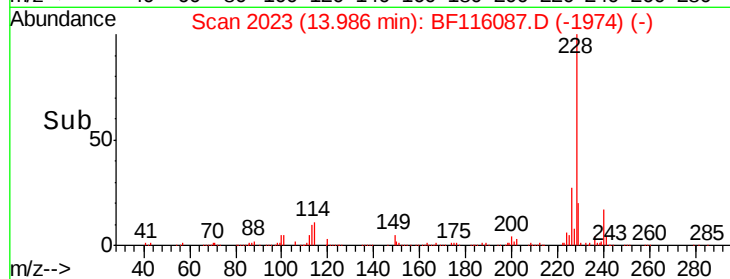
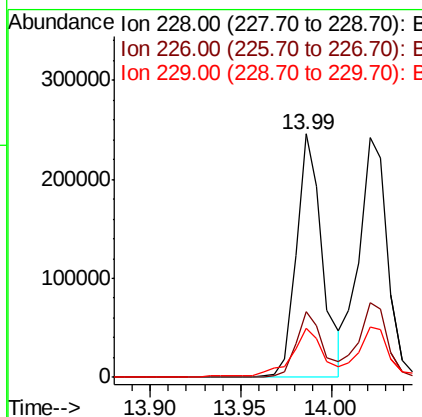
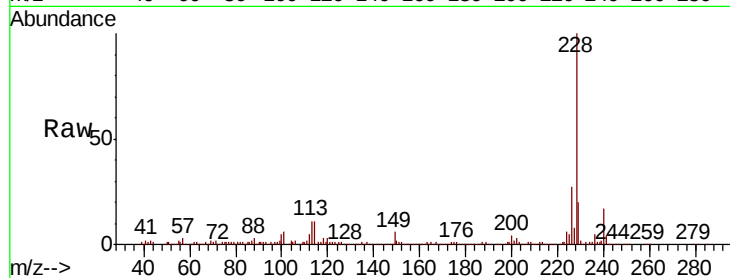
#81
Benzo(a)anthracene
Concen: 12.991 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Instrument :
BNA_F
ClientSampleId :
PS-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.7	34.1
229	20.3	16.2	24.4

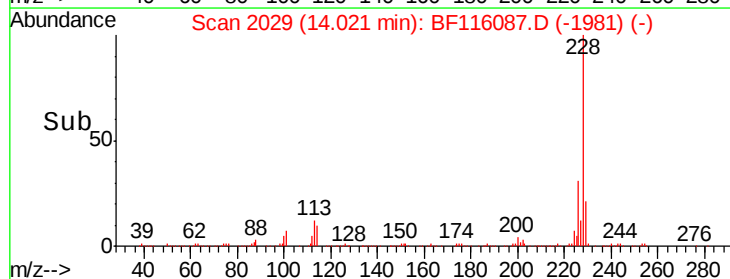
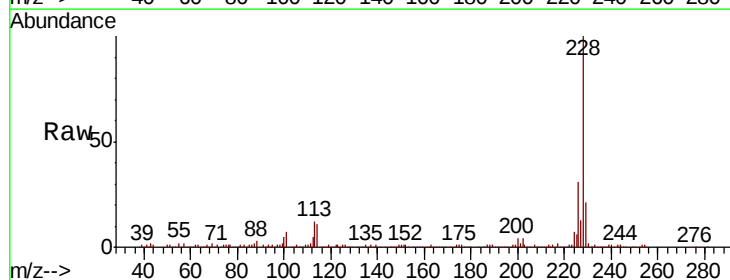
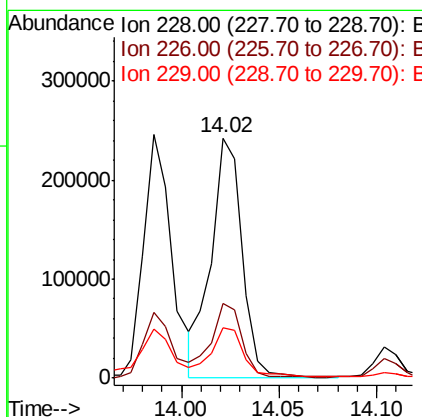
Manual Integrations
APPROVED

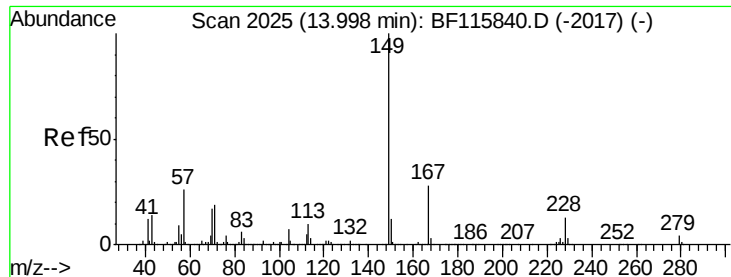
mohammad
8/14/2019 9:21:28 AM



#83
Chrysene
Concen: 14.509 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.5	38.3
229	21.1	16.6	24.8





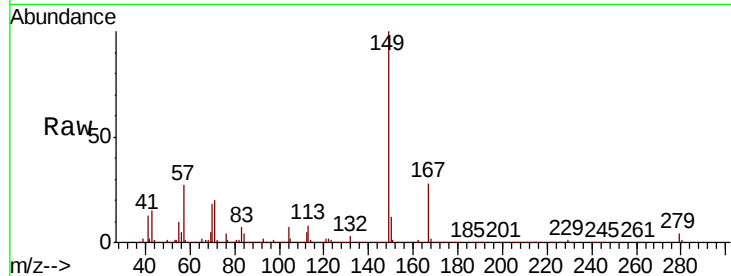
#84
Bis(2-ethylhexyl)phthalate
Concen: 82.210 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Instrument :
BNA_F
ClientSampled :
PS-10

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.6	32.4
279	3.9	3.0	4.4

Manual Integrations
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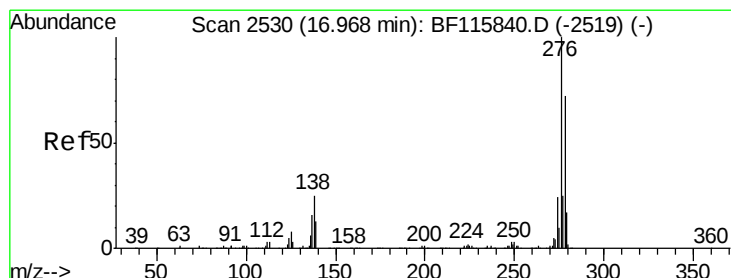
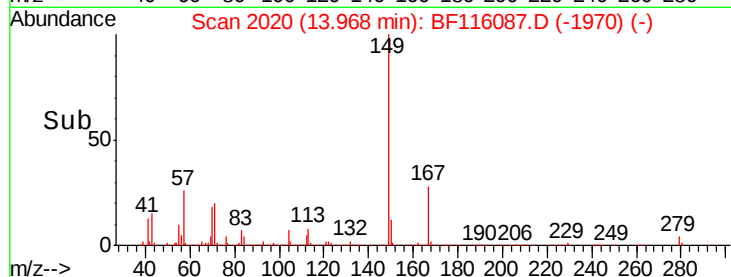
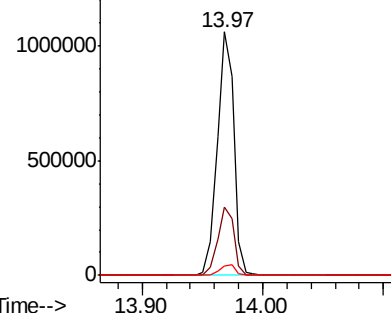


Abundance

Ion 149.00 (148.70 to 149.70): E

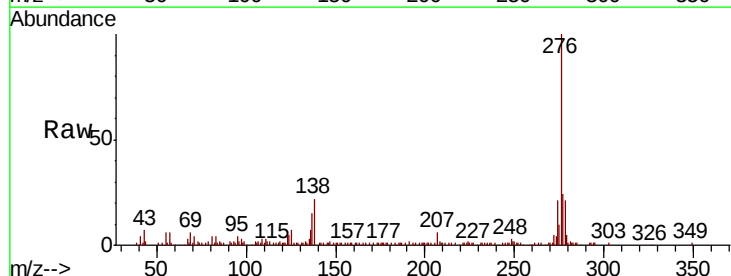
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 9.401 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.02 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	20.4	30.6#
277	21.7	20.0	30.0

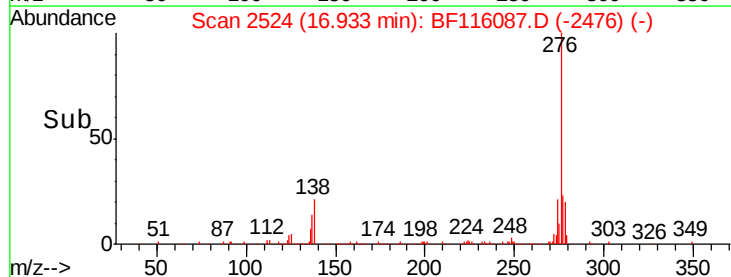
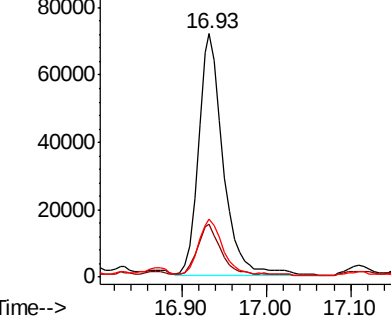


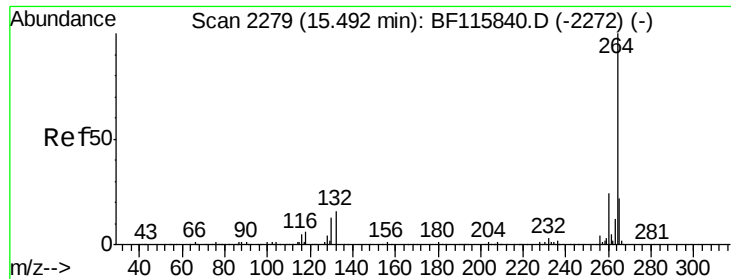
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF116087.D

Acq: 9 Aug 2019 00:18

Instrument :

BNA_F

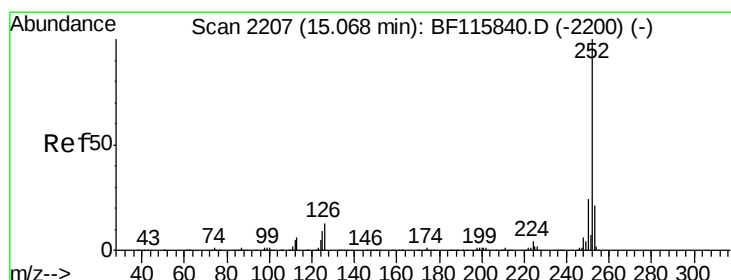
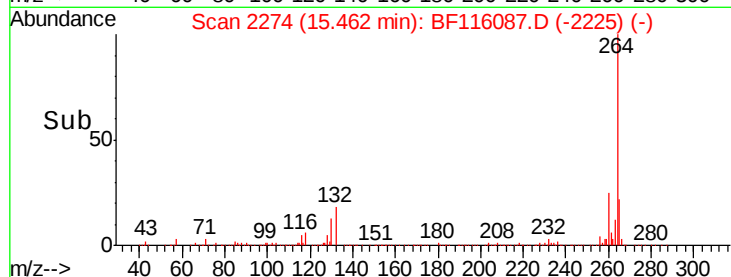
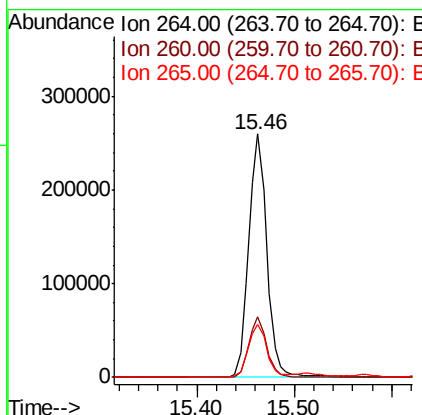
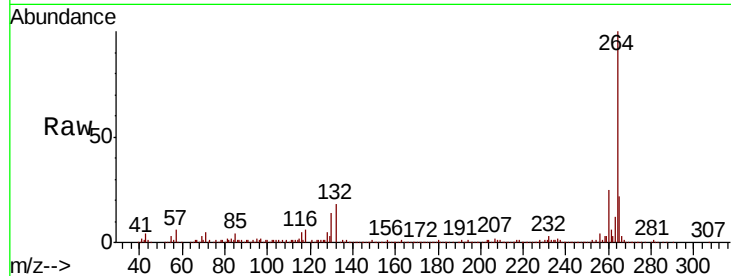
ClientSampled :

PS-10

Tot Ion:	264	Resp:	336348
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.7	29.5
265	21.7	17.4	26.0

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 17.461 ng m

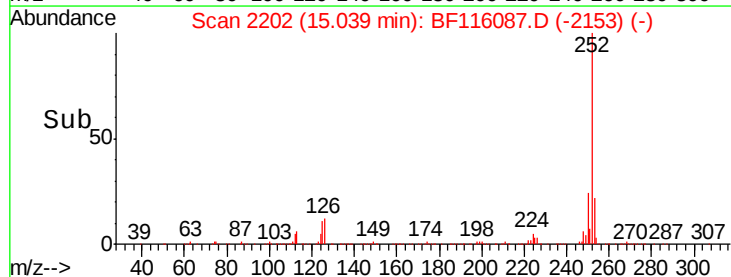
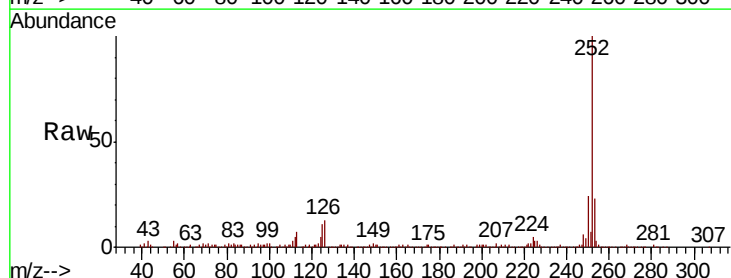
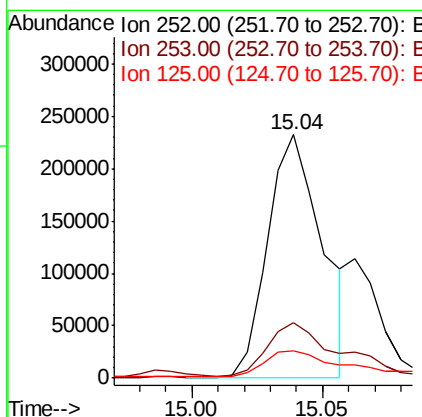
RT: 15.04 min Scan# 2202

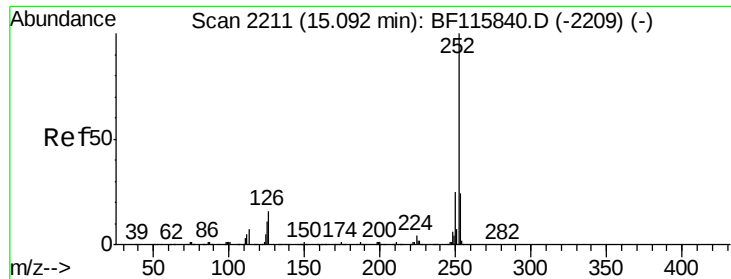
Delta R.T. -0.01 min

Lab File: BF116087.D

Acq: 9 Aug 2019 00:18

Tgt Ion:	252	Resp:	339587
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.8
125	11.3	8.4	12.6





#89

Benzo(k)fluoranthene

Concen: 5.340 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BF116087.D

Acq: 9 Aug 2019 00:18

Instrument :

BNA_F

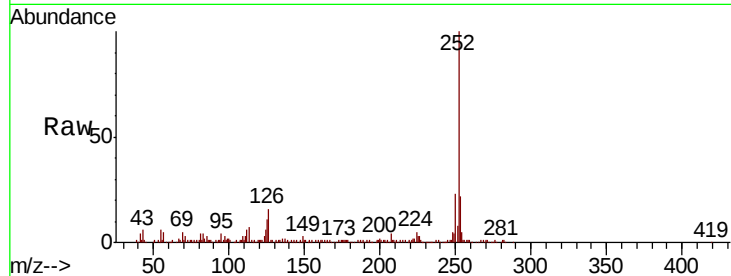
ClientSampleId :

PS-10

Tot Ion:	252	Resp:	101160
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.8	26.8
125	10.9	7.7	11.5

Manual Integrations
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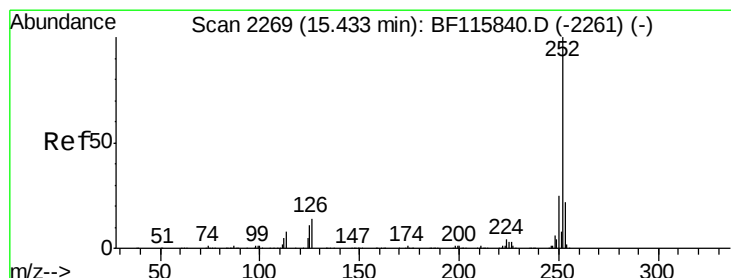
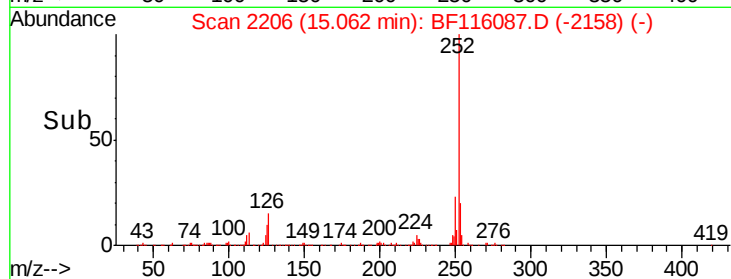
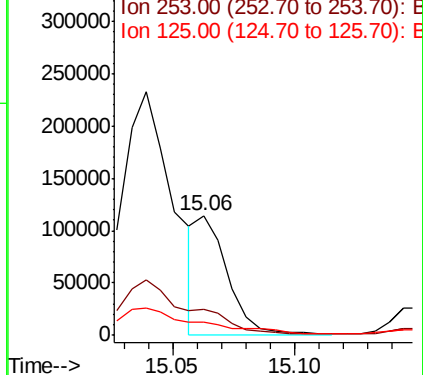


Abundance

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: 11.959 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.01 min

Lab File: BF116087.D

Acq: 9 Aug 2019 00:18

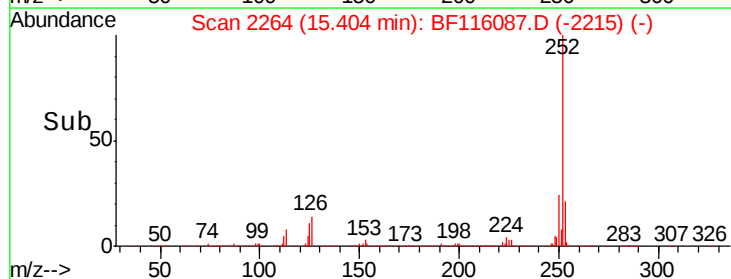
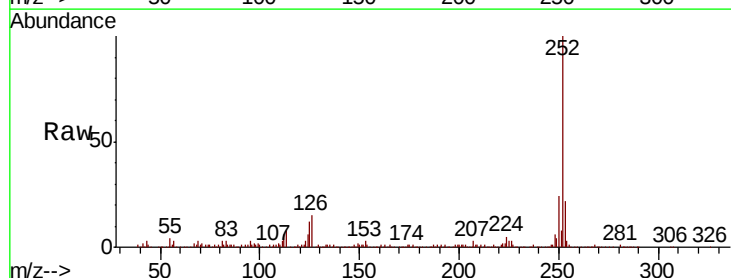
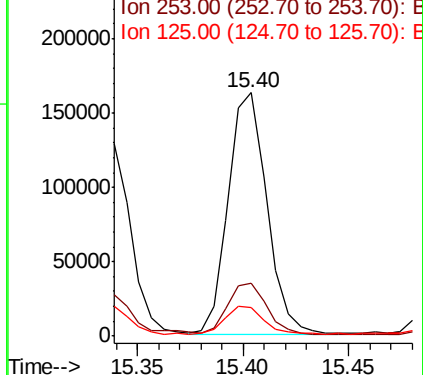
Tgt Ion:	252	Resp:	207902
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.0	27.0
125	11.8	8.9	13.3

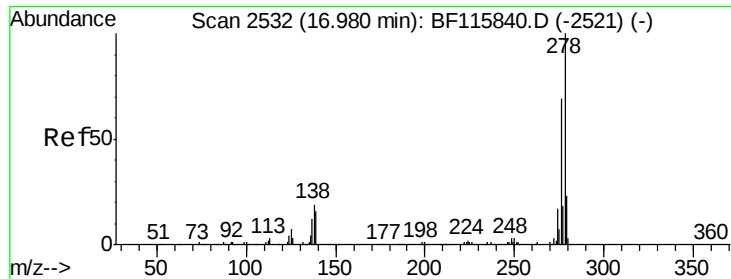
Abundance

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





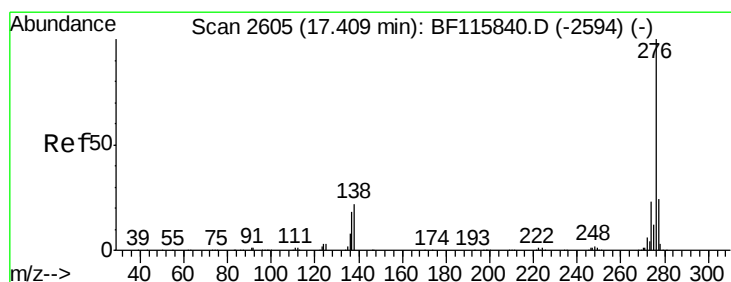
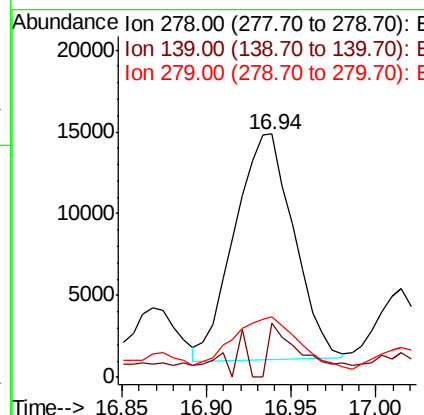
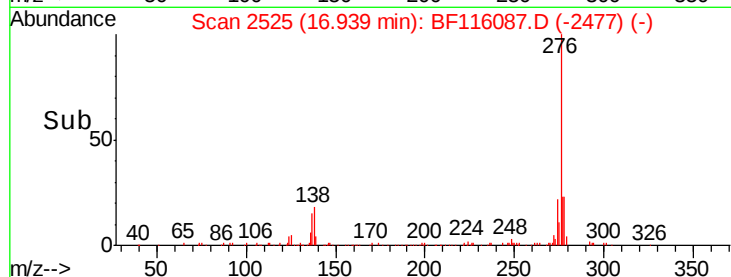
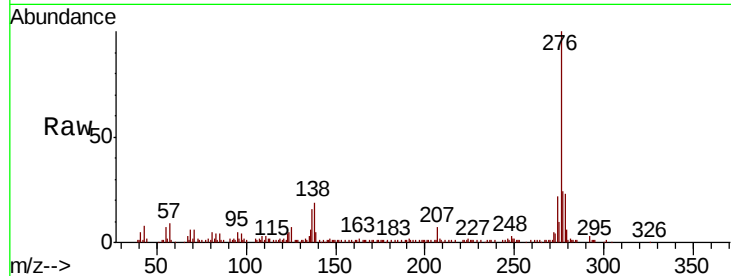
#91
Dibenzo(a,h)anthracene
Concen: 2.227 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.02 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Instrument :
BNA_F
ClientSampleId :
PS-10

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.2	12.8	19.2#
279	24.9	18.8	28.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 8.696 ng
RT: 17.37 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BF116087.D
Acq: 9 Aug 2019 00:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.4	27.6
138	22.4	17.0	25.6

