

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
 Data File : BF112810.D
 Acq On : 1 Mar 2019 19:59
 Operator : JU/SJ
 Sample : K1675-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-3-2-A

Manual Integrations
 APPROVED

Sohil
 3/4/2019 4:55:35 PM

Quant Time: Mar 02 00:12:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	180921	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	660004	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	276326	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	475769	20.00	ng	0.00
76) Chrysene-d12	13.87	240	431191	20.00	ng	0.00
87) Perylene-d12	15.29	264	340200	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1088853	93.62	ng	0.01
7) Phenol-d6	6.38	99	1382439	94.62	ng	0.01
23) Nitrobenzene-d5	7.30	82	825501	74.84	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	315471	107.54	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1399296	83.51	ng	0.00
79) Terphenyl-d14	12.83	244	1232131	55.39	ng	0.00
Target Compounds						
10) Phenol	6.39	94	59984	3.518	ng	98
50) Dimethylphthalate	9.49	163	85401	4.191	ng	97
71) Phenanthrene	11.27	178	369440	15.607	ng	98
72) Anthracene	11.32	178	66444	2.681	ng	97
75) Fluoranthene	12.46	202	665311	26.234	ng	96
78) Pyrene	12.68	202	593543	16.328	ng	98
81) Benzo(a)anthracene	13.86	228	329311	11.019	ng	99
83) Chrysene	13.90	228	312815	10.686	ng	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	114457	4.586	ng	# 92
88) Benzo(b)fluoranthene	14.89	252	346578m	15.750	ng	
89) Benzo(k)fluoranthene	14.91	252	93823m	4.707	ng	
90) Benzo(a)pyrene	15.23	252	196122	10.076	ng	98
92) Benzo(a,h,i)perylene	17.05	276	102804	6.164	ng	95

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

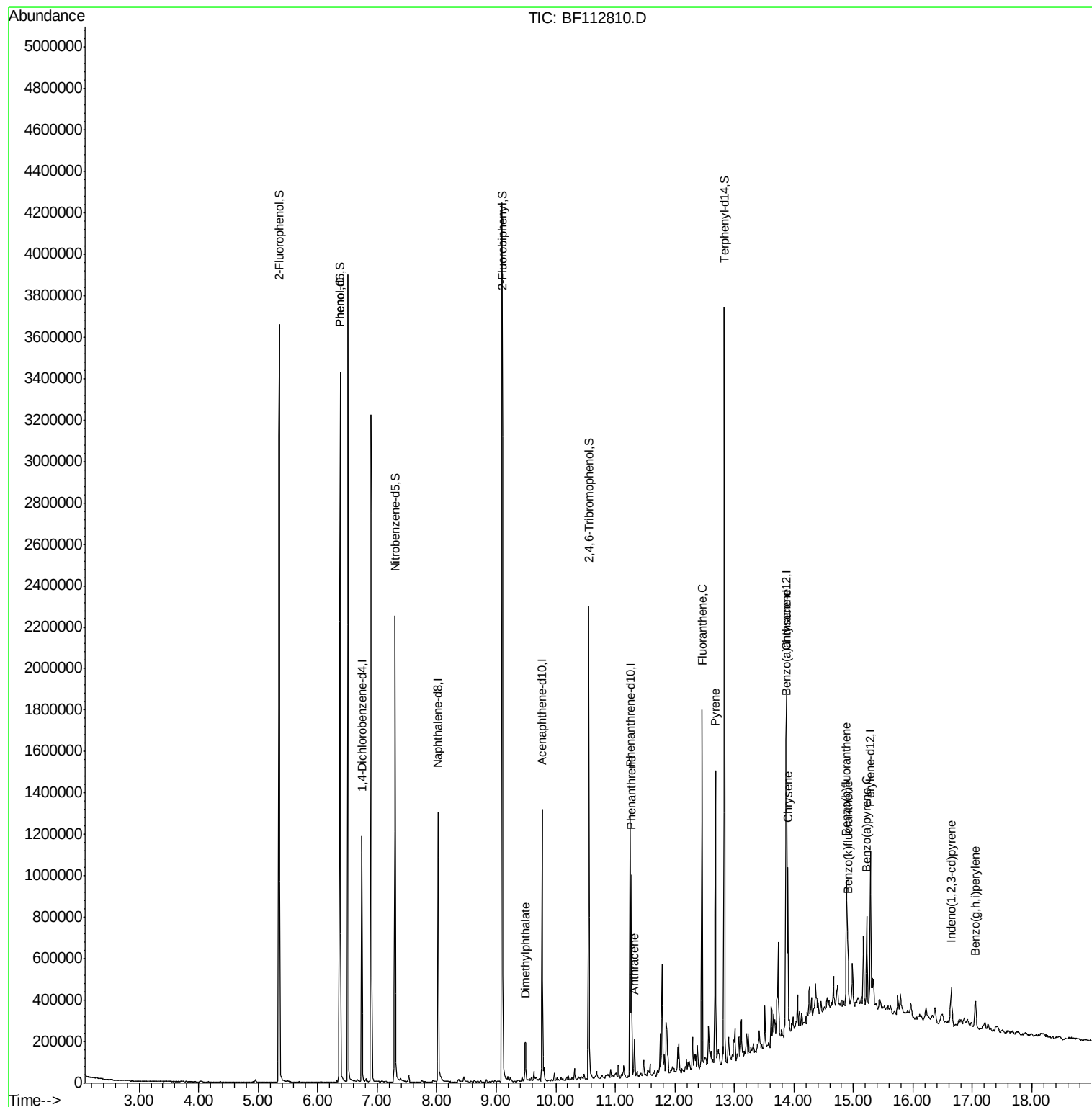
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
Data File : BF112810.D
Acq On : 1 Mar 2019 19:59
Operator : JU/SJ
Sample : K1675-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

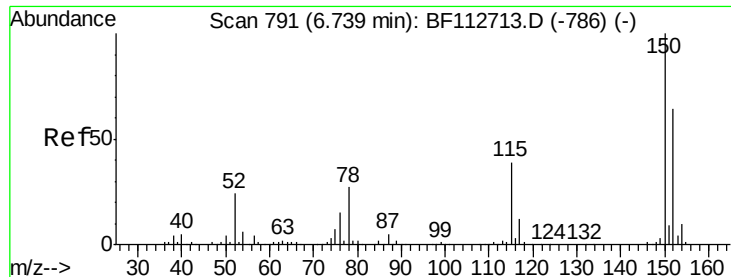
Instrument :
BNA_F
ClientSampleId :
Z-3-2-A

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3/4/2019 4:55:35 PM

Quant Time: Mar 02 00:12:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

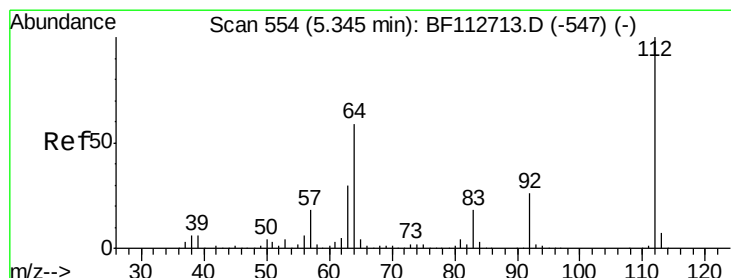
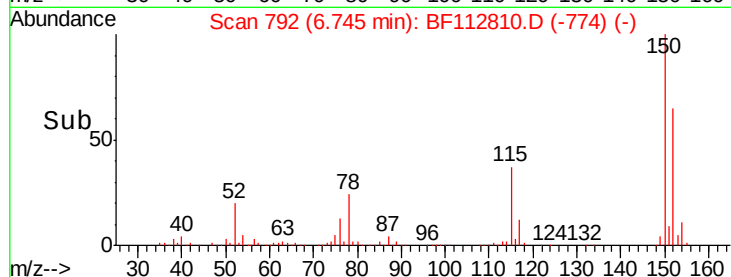
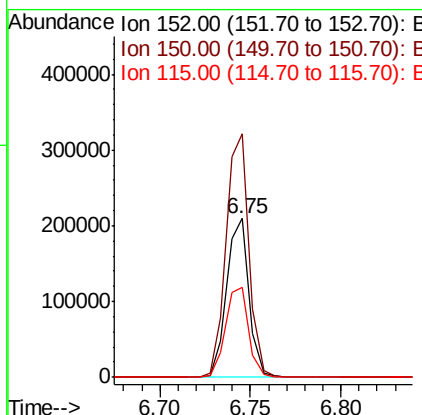
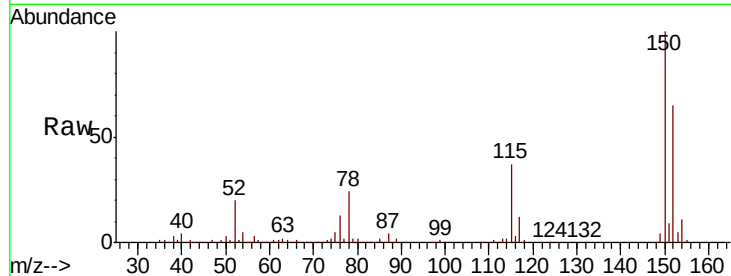
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112810.D
Acq: 1 Mar 2019 19:59

Instrument :
BNA_F
ClientSampled :
Z-3-2-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.2	186.2
115	56.8	48.2	72.4

Manual Integrations
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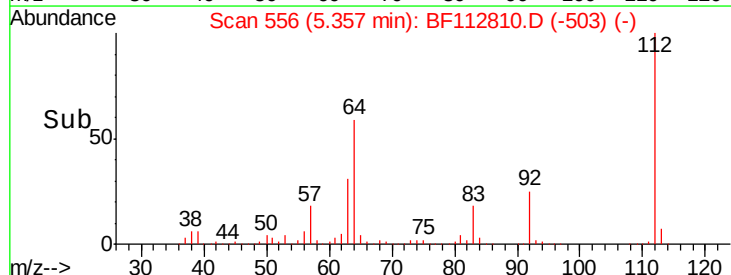
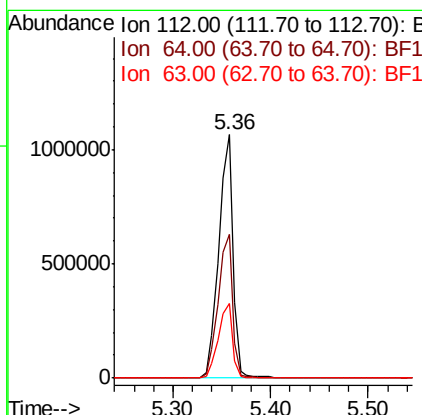
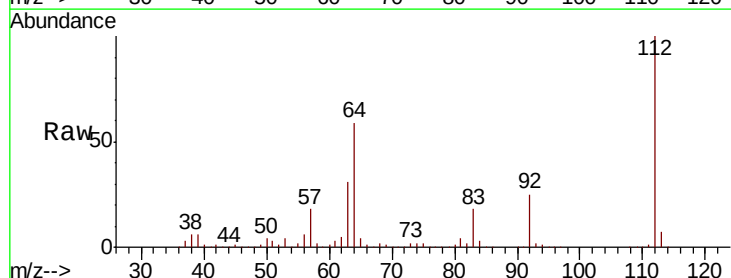
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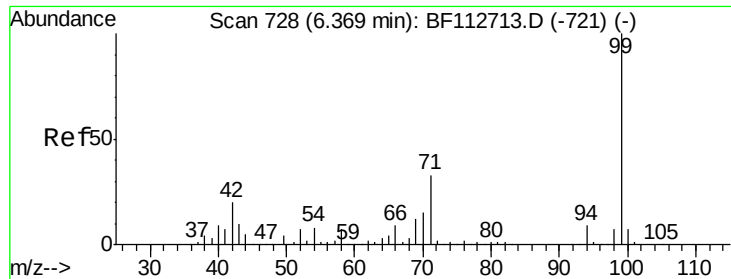


#5

2-Fluorophenol
Concen: 93.619 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112810.D
Acq: 1 Mar 2019 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.6	71.4
63	30.5	24.4	36.6





#7

Phenol-d6

Concen: 94.622 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112810.D

Acq: 1 Mar 2019 19:59

Instrument :

BNA_F

ClientSampleId :

Z-3-2-A

Tot Ion: 99 Resp: 1382439

Ion Ratio Lower Upper

99 100

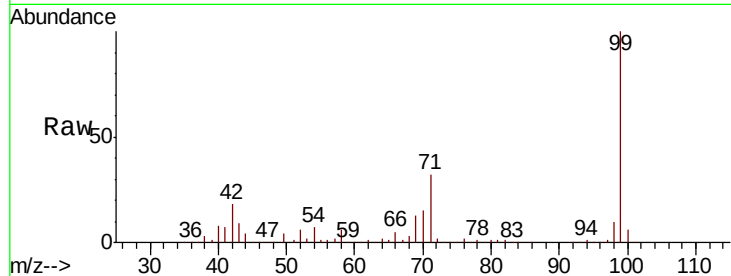
42 18.2 16.3 24.5

71 32.2 26.2 39.4

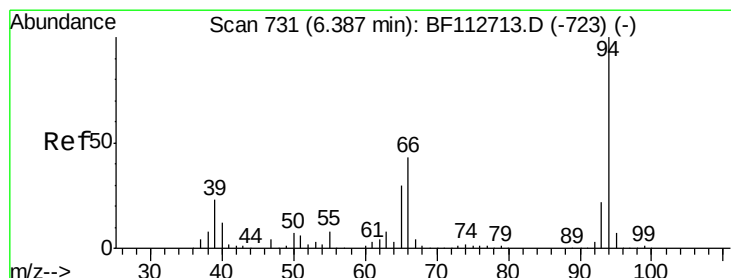
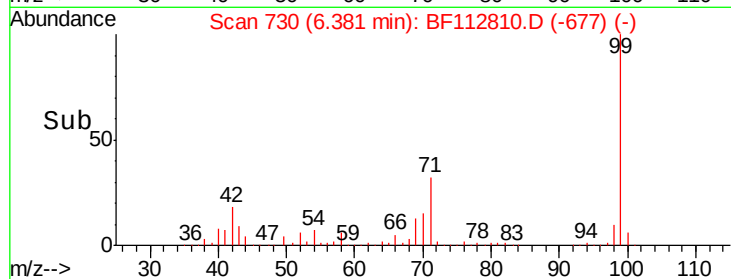
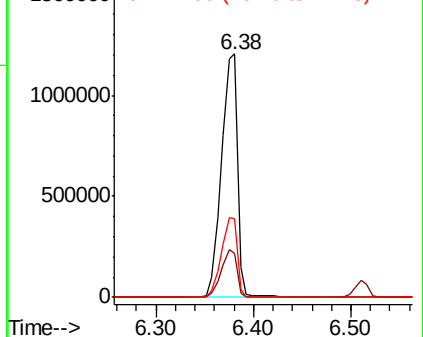
Manual Integrations
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.518 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF112810.D

Acq: 1 Mar 2019 19:59

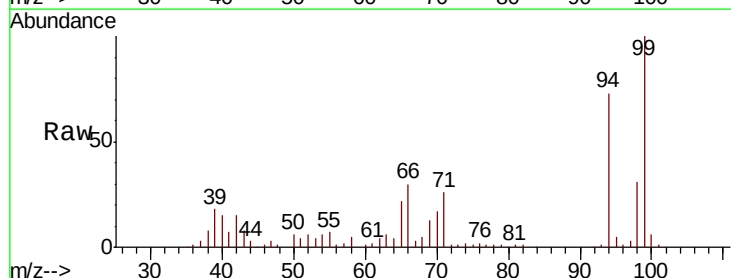
Tgt Ion: 94 Resp: 59984

Ion Ratio Lower Upper

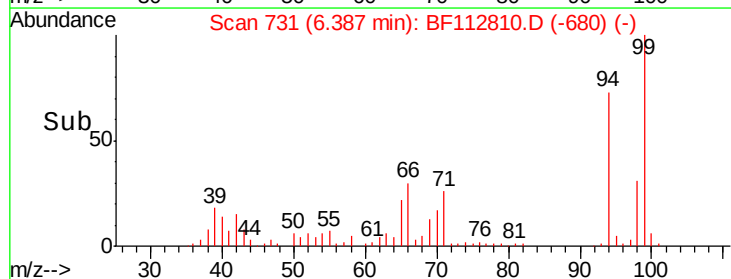
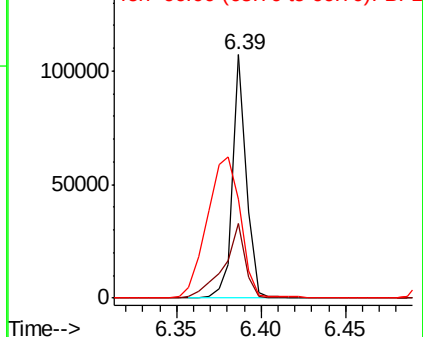
94 100

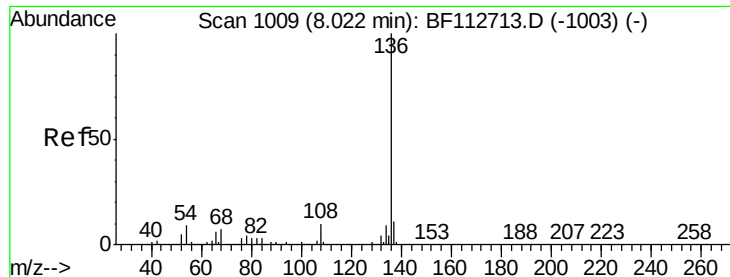
65 30.4 10.5 50.5

66 40.8 22.6 62.6



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





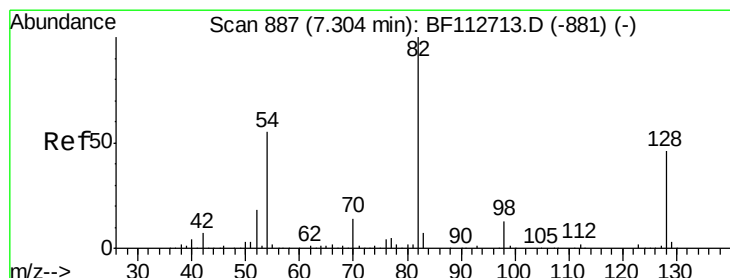
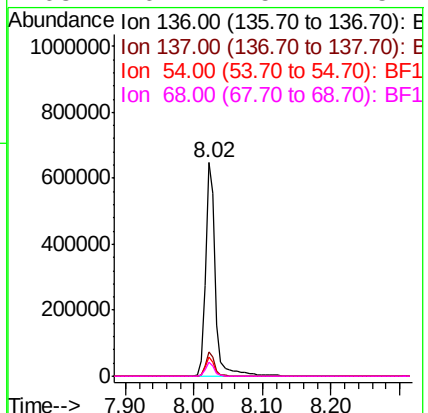
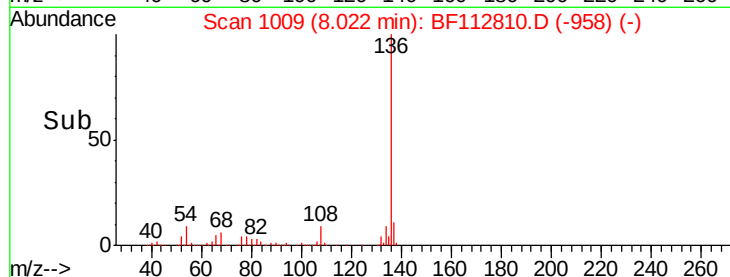
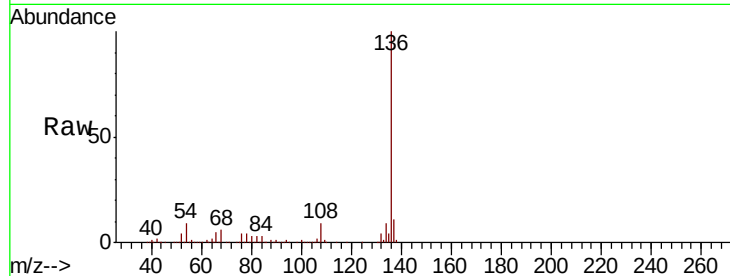
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112810.D
Acq: 1 Mar 2019 19:59

Instrument :
BNA_F
ClientSampled :
Z-3-2-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		660004		
137	11.1	8.9	13.3		
54	8.9	7.3	10.9		
68	6.4	5.4	8.2		

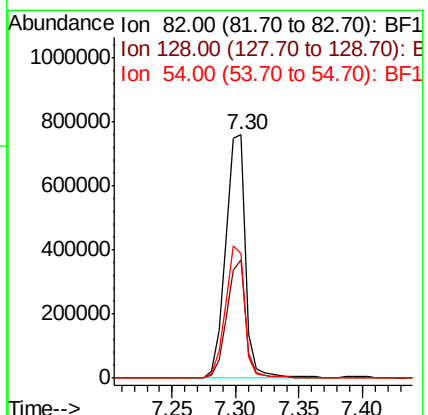
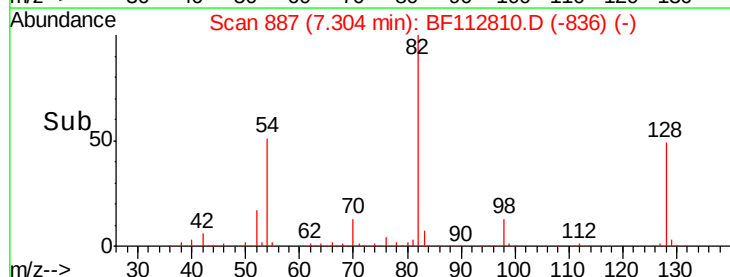
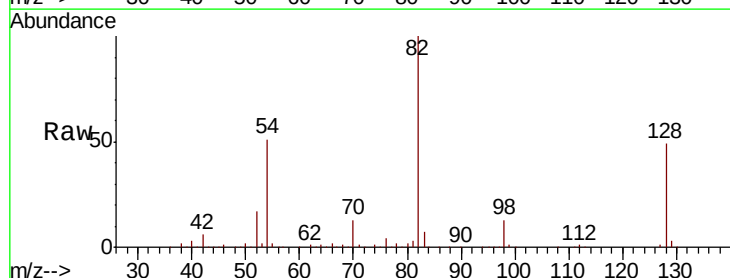
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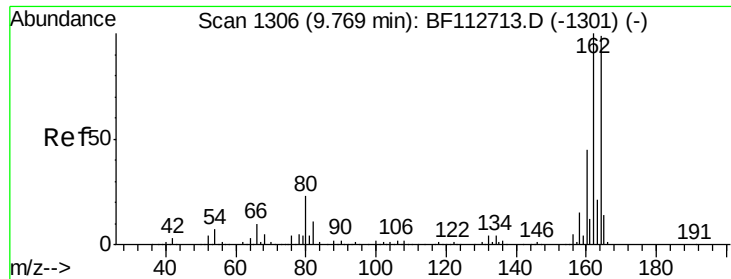
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#23
Nitrobenzene-d5
Concen: 74.842 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF112810.D
Acq: 1 Mar 2019 19:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		825501		
128	48.6	36.3	54.5		
54	51.3	43.7	65.5		





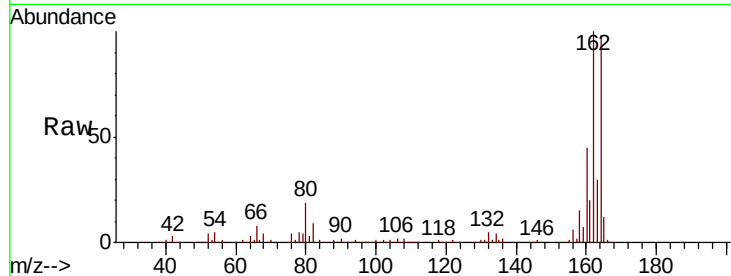
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112810.D
Acq: 1 Mar 2019 19:59

Instrument :
BNA_F
ClientSampled :
Z-3-2-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	80.6	120.8	
160	46.5	36.0	54.0	

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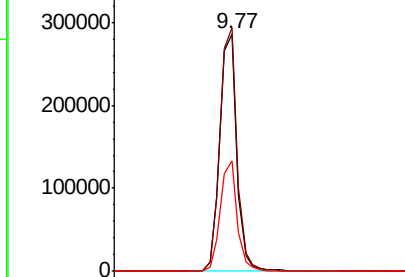


Abundance

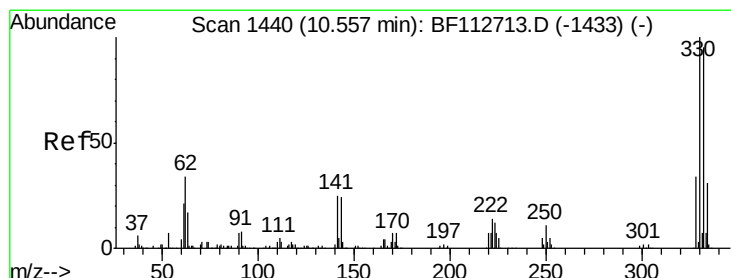
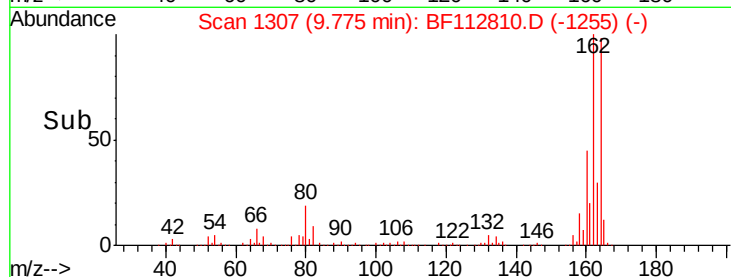
Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

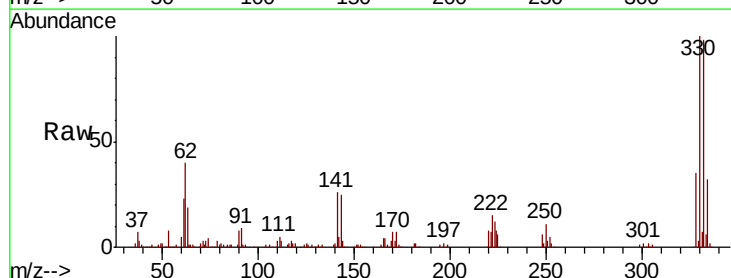


Time-->



#42
2,4,6-Tribromophenol
Concen: 107.539 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF112810.D
Acq: 1 Mar 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	76.2	114.4	
141	29.9	27.0	40.6	

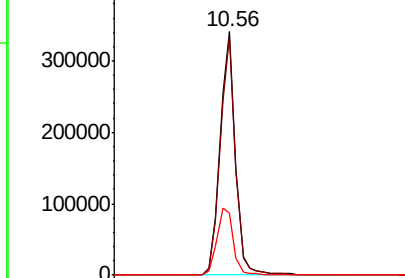


Abundance

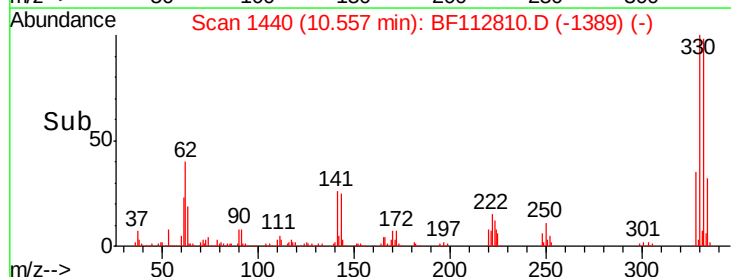
Ion 329.80 (329.50 to 330.50): E

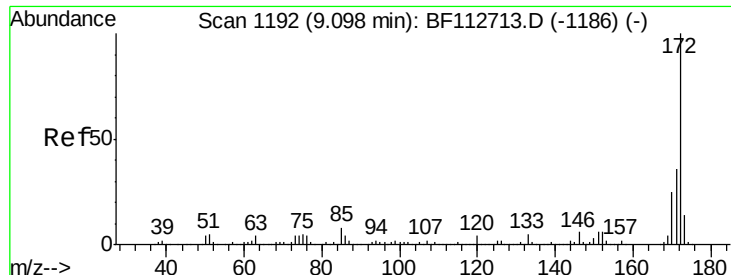
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->





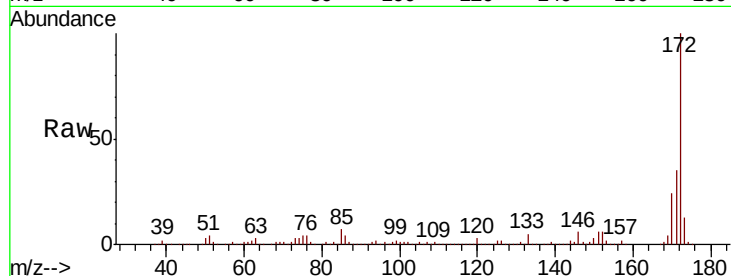
#45
2-Fluorobiphenyl
Concen: 83.514 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112810.D
Acq: 1 Mar 2019 19:59

Instrument :
BNA_F
ClientSampleId :
Z-3-2-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.4
170	23.9	20.0	30.0

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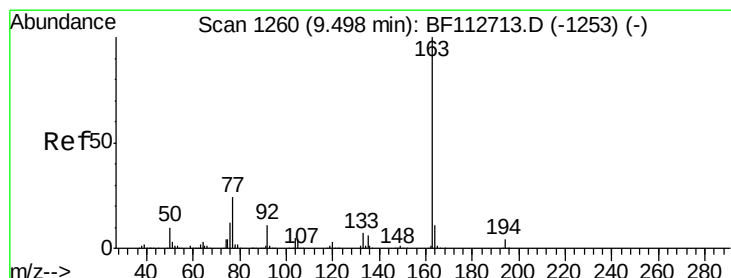
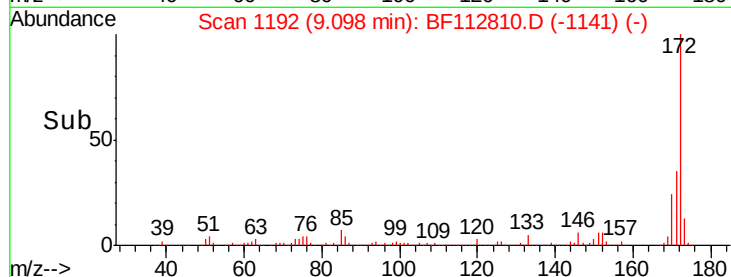
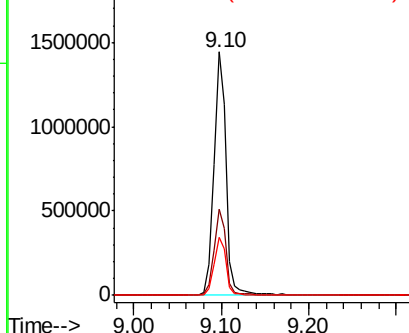


Abundance

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: 4.191 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112810.D
Acq: 1 Mar 2019 19:59

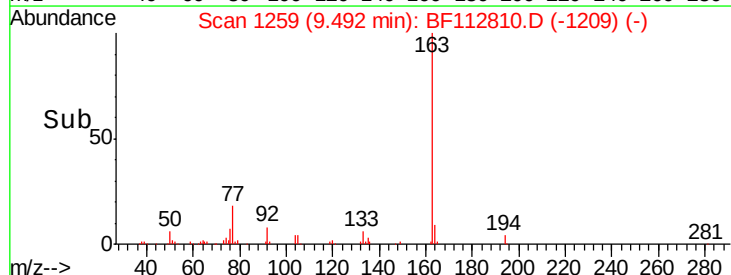
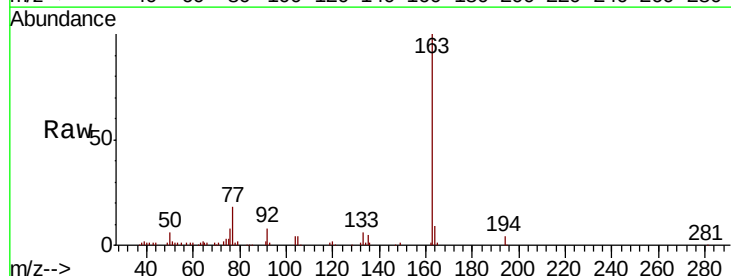
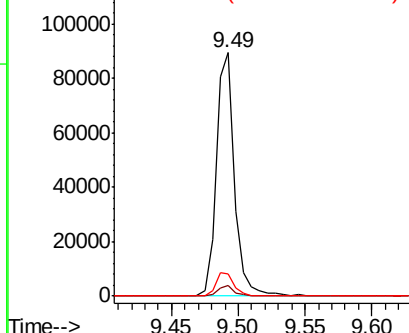
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.4
164	9.3	8.4	12.6

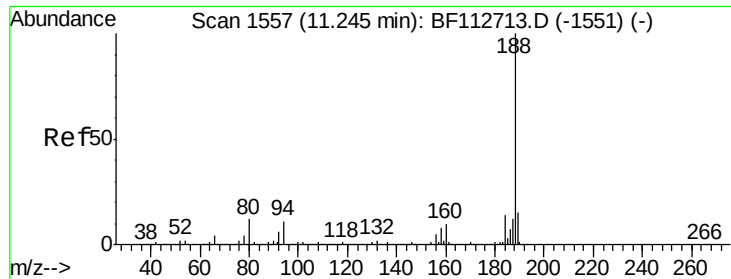
Abundance

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: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF112810.D

Acq: 1 Mar 2019 19:59

Instrument :

BNA_F

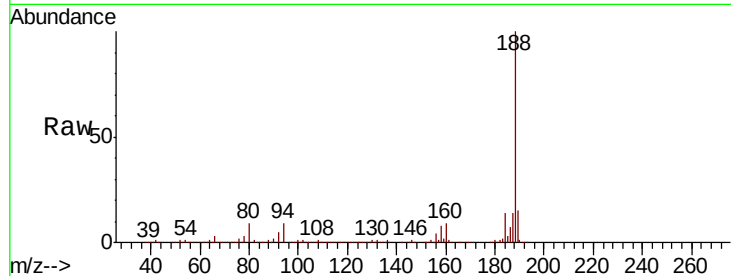
ClientSampled :

Z-3-2-A

Tot Ion:	188	Resp:	475769
Ion Ratio	Lower	Upper	
188	100		
94	8.9	9.0	13.4#
80	9.1	9.2	13.8#

Manual Integrations
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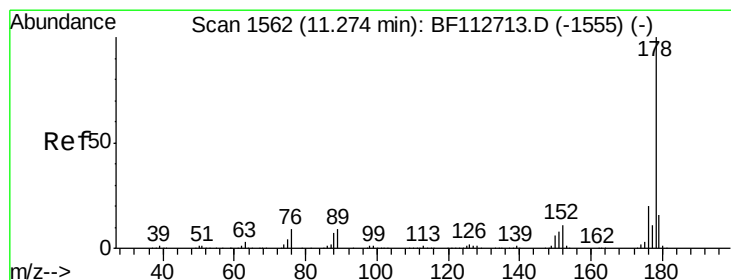
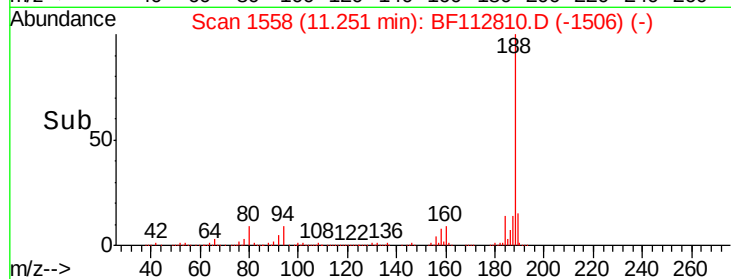
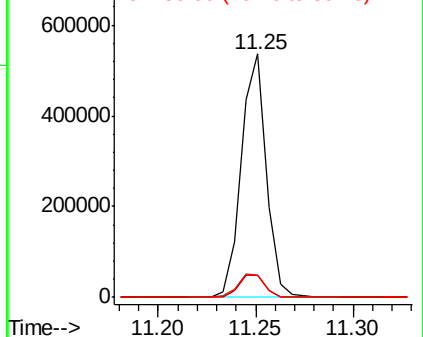
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 15.607 ng

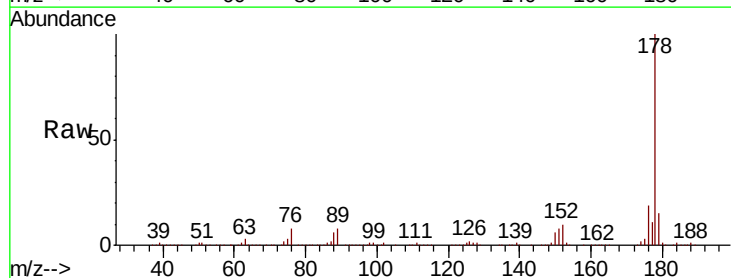
RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF112810.D

Acq: 1 Mar 2019 19:59

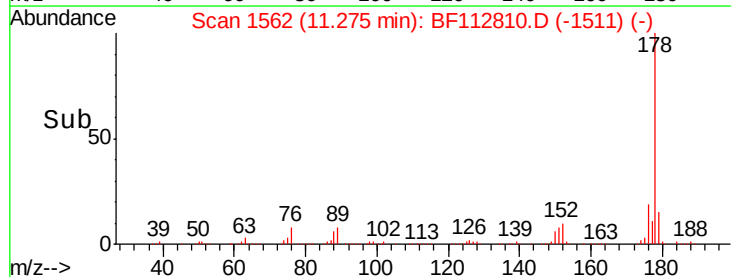
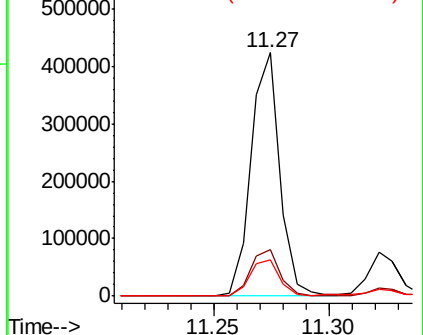
Tgt Ion:	178	Resp:	369440
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.3	24.5
179	14.8	12.7	19.1

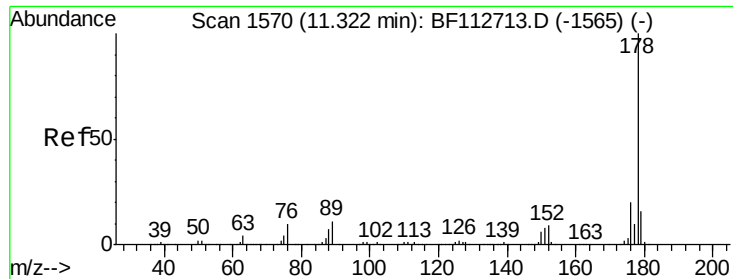


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.681 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF112810.D

Acq: 1 Mar 2019 19:59

Instrument :

BNA_F

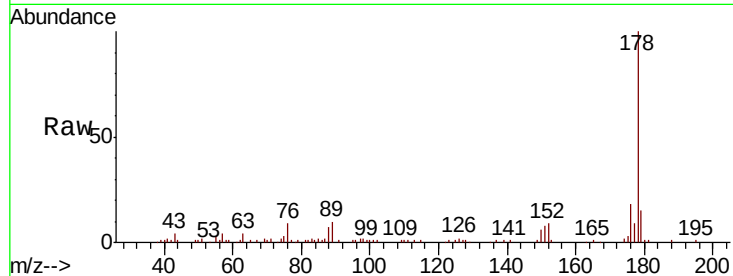
ClientSampled :

Z-3-2-A

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.4	15.8	23.6	
179	15.0	13.0	19.6	

Manual Integrations
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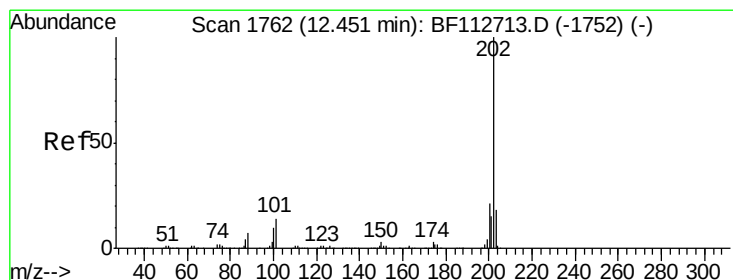
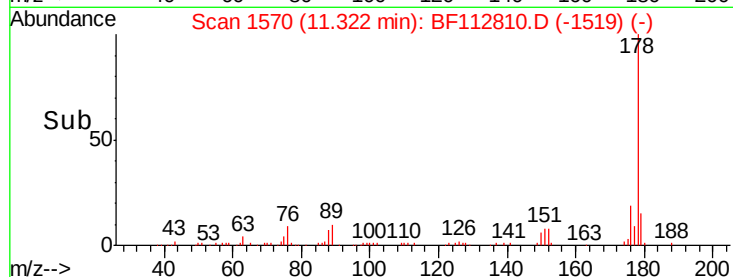
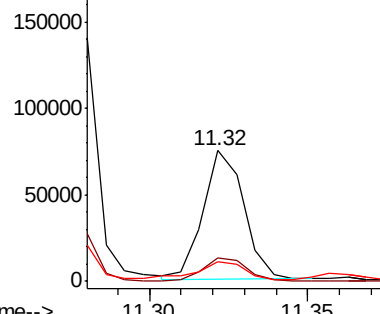


Abundance

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: 26.234 ng

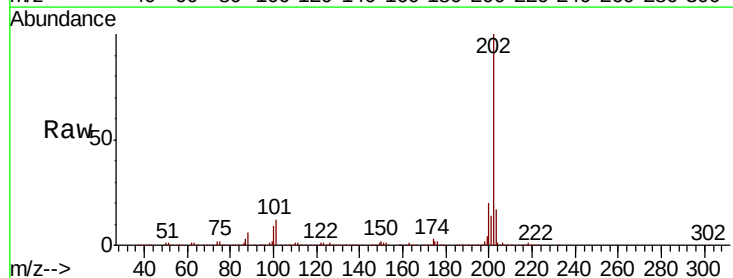
RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112810.D

Acq: 1 Mar 2019 19:59

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	11.5	0.0	33.8	
203	17.2	0.0	38.4	

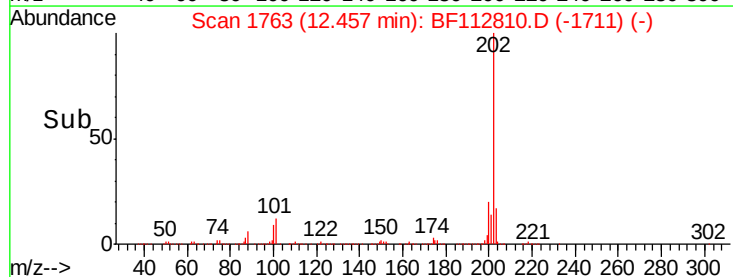
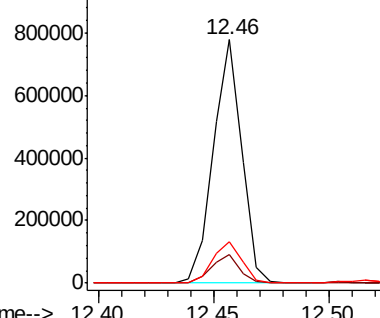


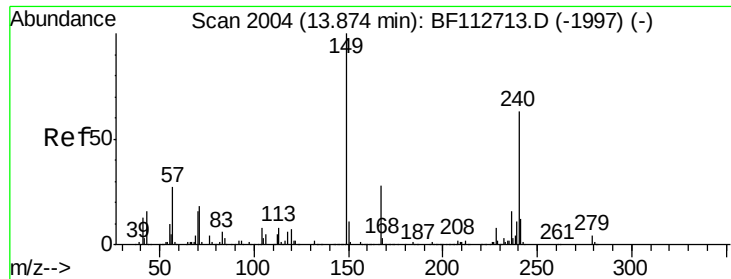
Abundance

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: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112810.D

Acq: 1 Mar 2019 19:59

Instrument :

BNA_F

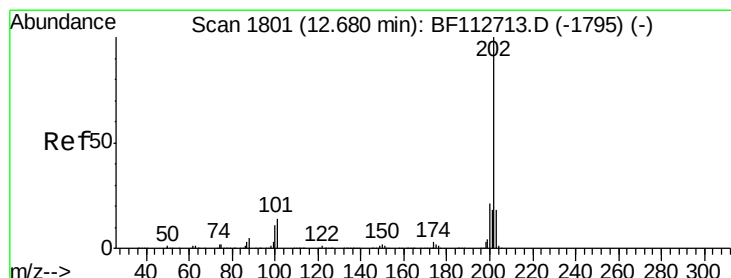
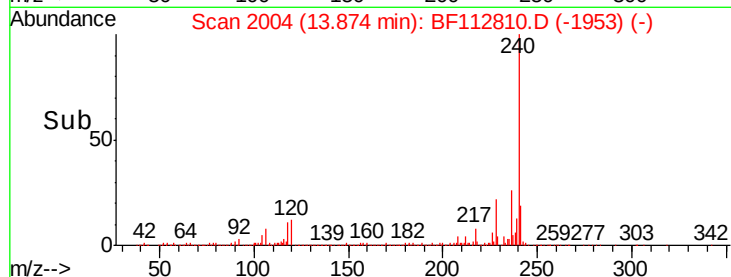
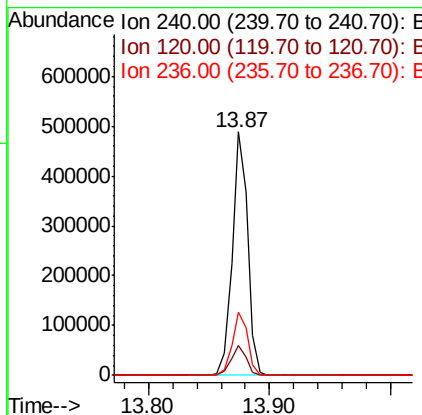
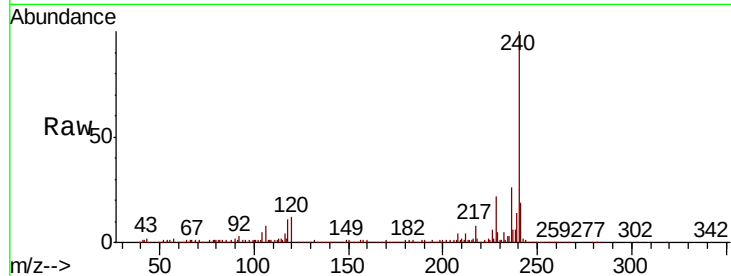
ClientSampled :

Z-3-2-A

Tot Ion:	240	Resp:	431191
Ion Ratio	Lower	Upper	
240	100		
120	12.2	8.9	13.3
236	26.2	20.7	31.1

Manual Integrations
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#78

Pyrene

Concen: 16.328 ng

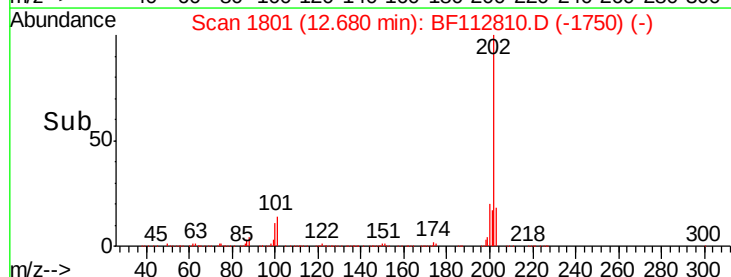
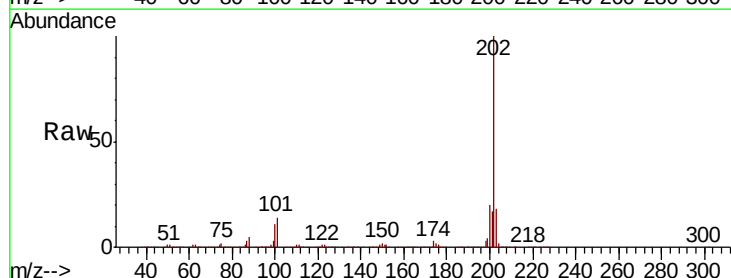
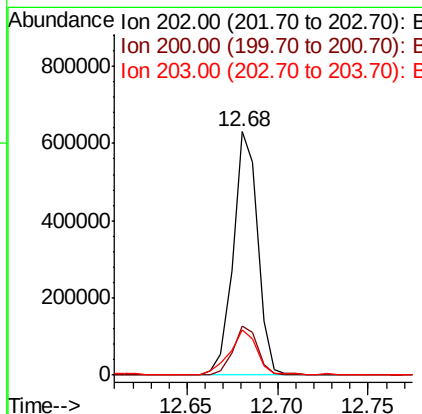
RT: 12.68 min Scan# 1801

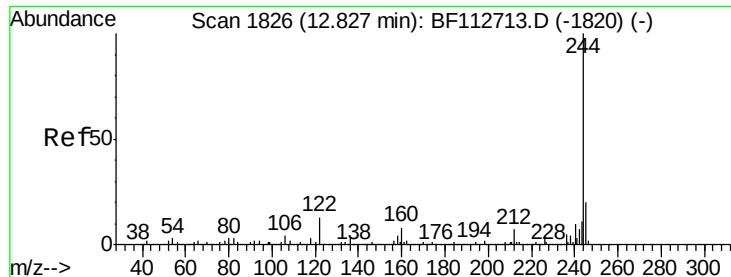
Delta R.T. 0.00 min

Lab File: BF112810.D

Acq: 1 Mar 2019 19:59

Tgt Ion:	202	Resp:	593543
Ion Ratio	Lower	Upper	
202	100		
200	20.0	17.0	25.4
203	18.4	14.4	21.6





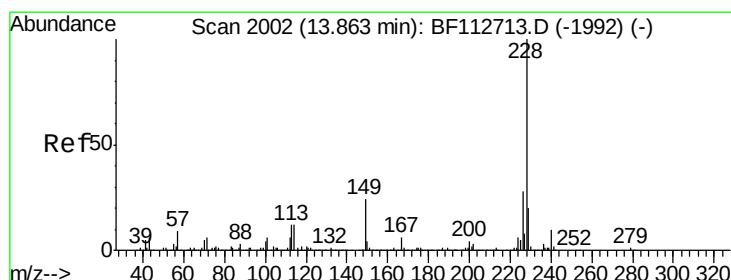
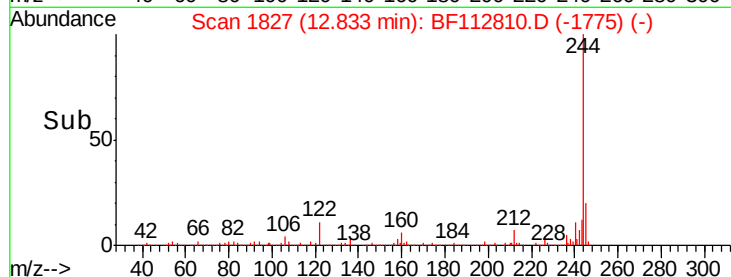
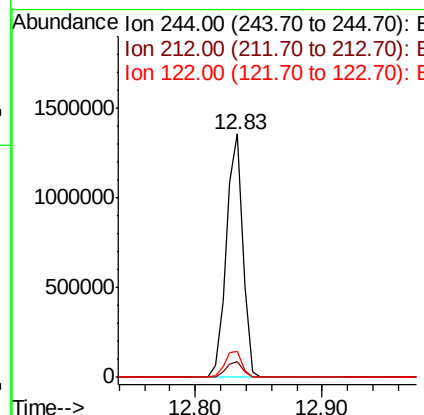
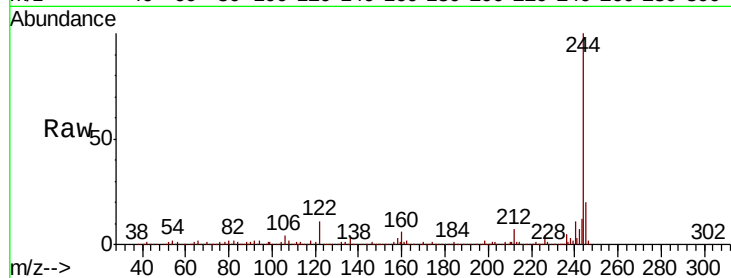
#79
 Terphenyl-d14
 Concen: 55.393 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112810.D
 Acq: 1 Mar 2019 19:59

Instrument :
 BNA_F
 ClientSampled :
 Z-3-2-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.9	10.5	15.7

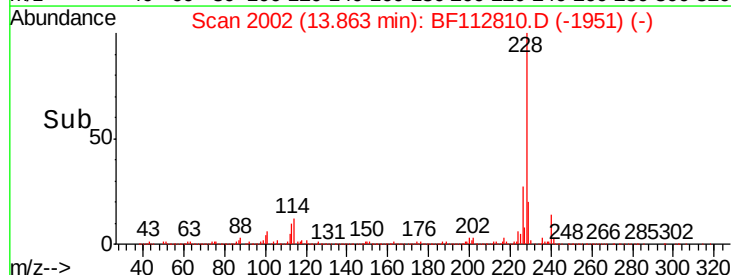
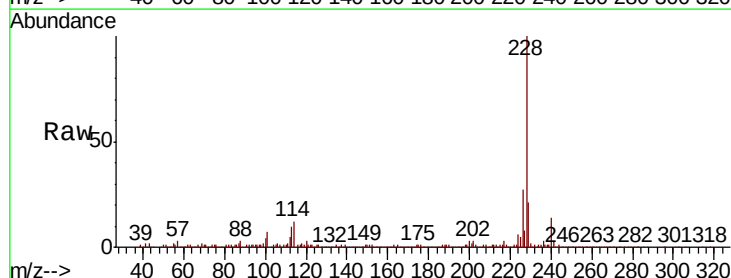
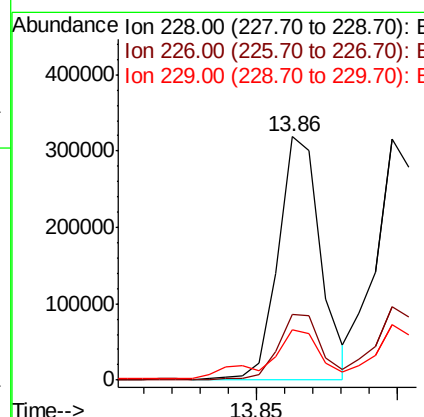
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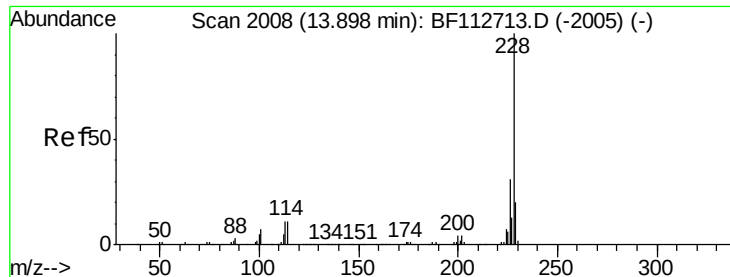
Sohil
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#81
 Benzo(a)anthracene
 Concen: 11.019 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: BF112810.D
 Acq: 1 Mar 2019 19:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.2	33.4
229	20.6	16.0	24.0





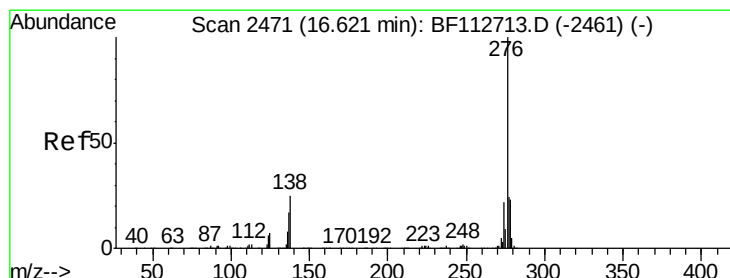
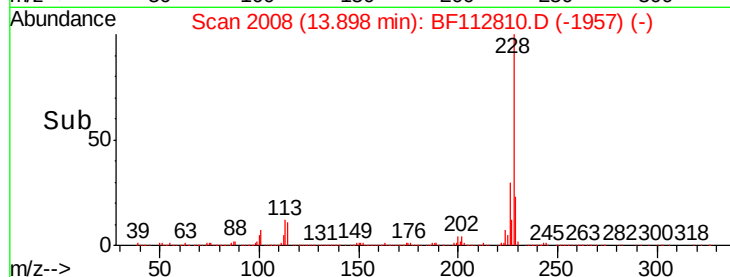
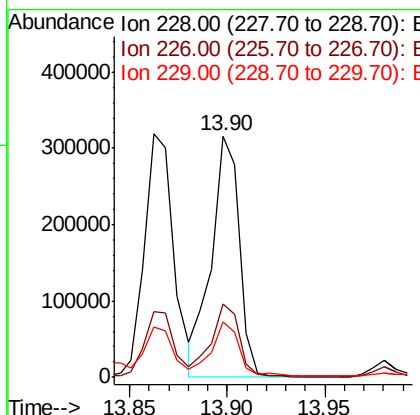
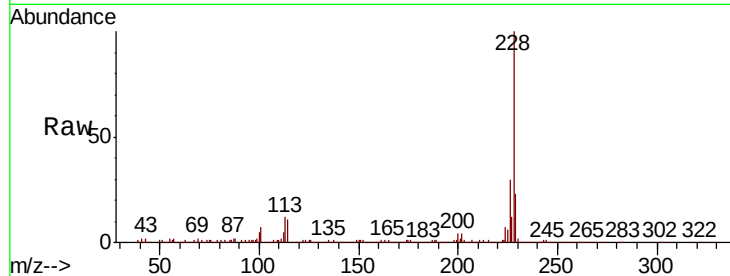
#83
Chrysene
Concen: 10.686 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112810.D
Acq: 1 Mar 2019 19:59

Instrument :
BNA_F
ClientSampleId :
Z-3-2-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	22.9	16.3	24.5

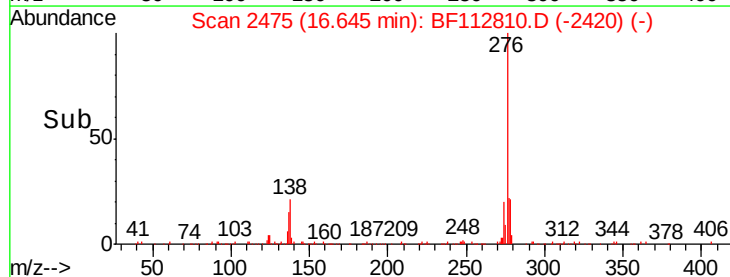
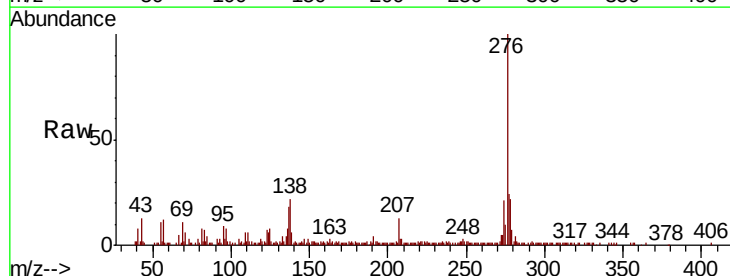
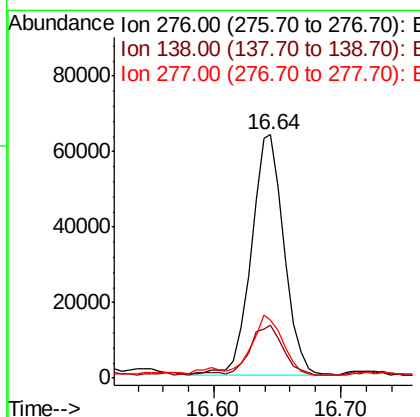
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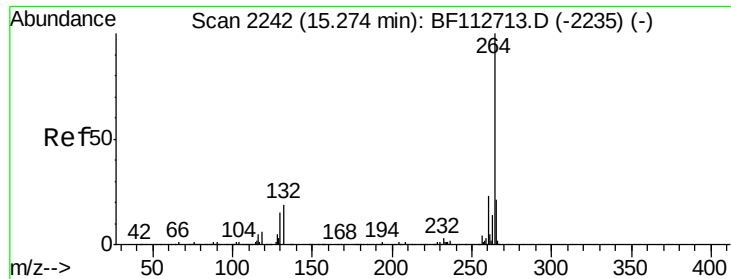
Sohil
3/4/2019 4:55:35 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.586 ng
RT: 16.64 min Scan# 2475
Delta R.T. 0.02 min
Lab File: BF112810.D
Acq: 1 Mar 2019 19:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	23.2	34.8#
277	24.2	19.9	29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF112810.D

Acq: 1 Mar 2019 19:59

Instrument :

BNA_F

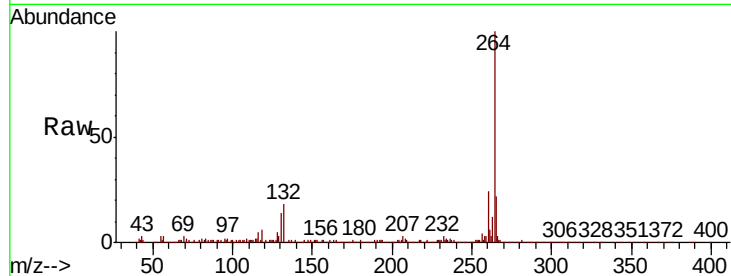
ClientSampled :

Z-3-2-A

Tot Ion:	264	Resp:	340200
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.7	28.1
265	22.2	17.2	25.8

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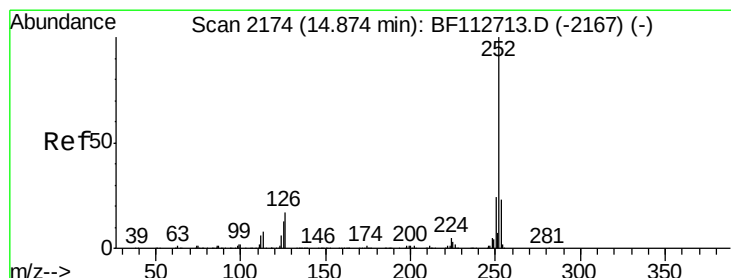
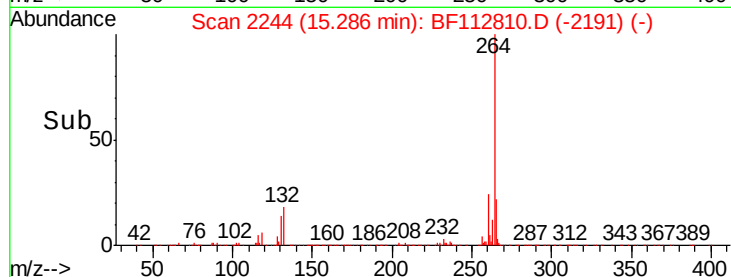
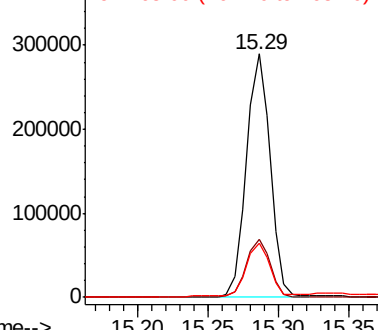


Abundance

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: 15.750 ng m

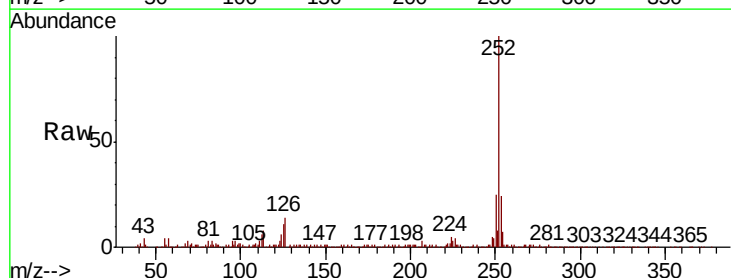
RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF112810.D

Acq: 1 Mar 2019 19:59

Tgt Ion:	252	Resp:	346578
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.0	27.0
125	11.5	10.2	15.2

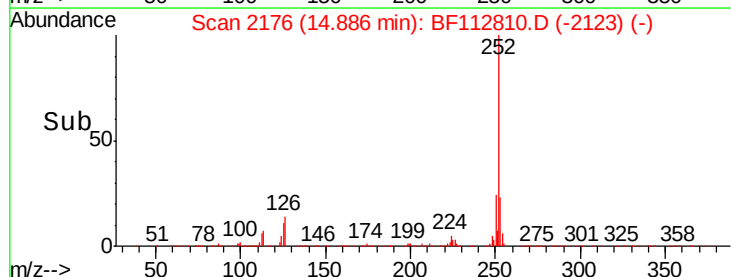
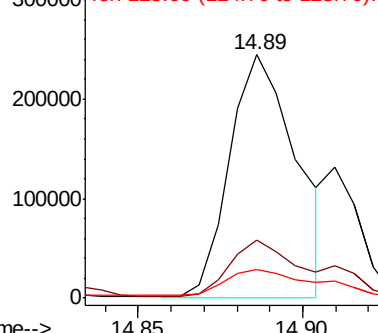


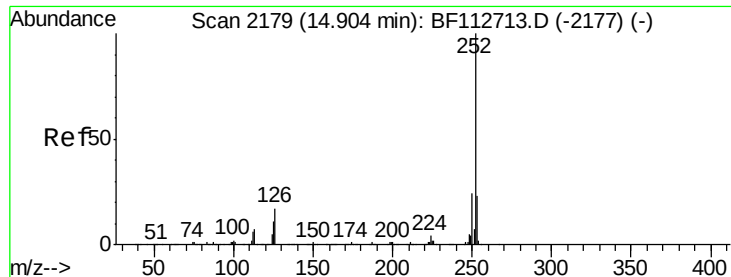
Abundance

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





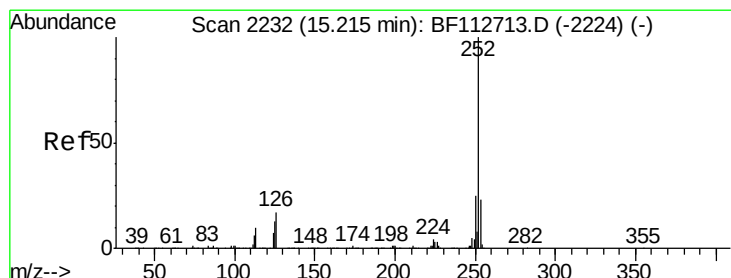
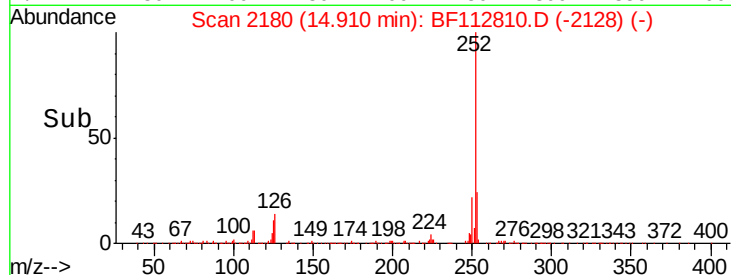
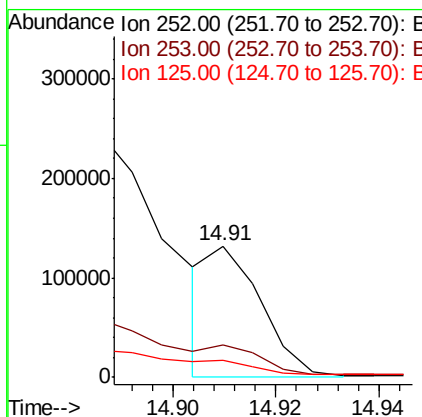
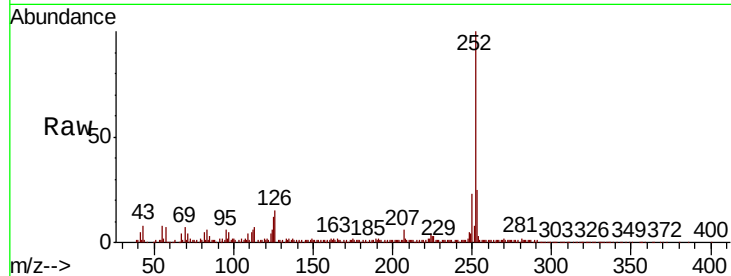
#89
Benzo(k)fluoranthene
Concen: 4.707 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF112810.D
Acq: 1 Mar 2019 19:59

Instrument :
BNA_F
ClientSampleId :
Z-3-2-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	12.5	9.8	14.6

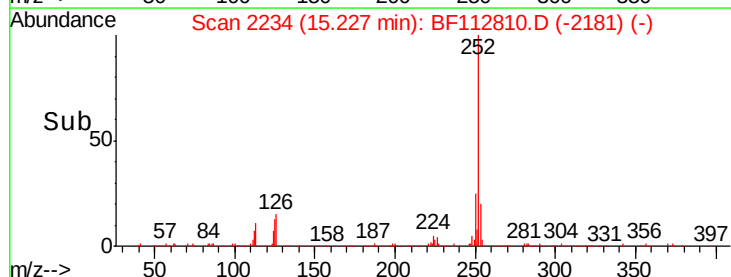
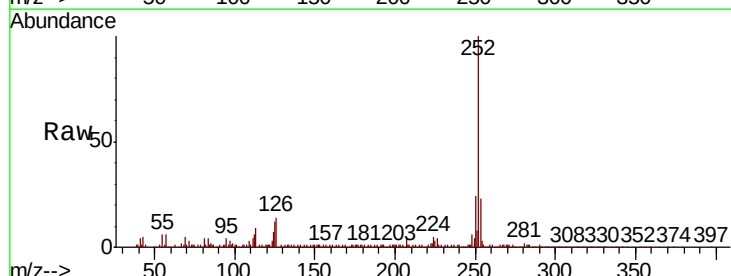
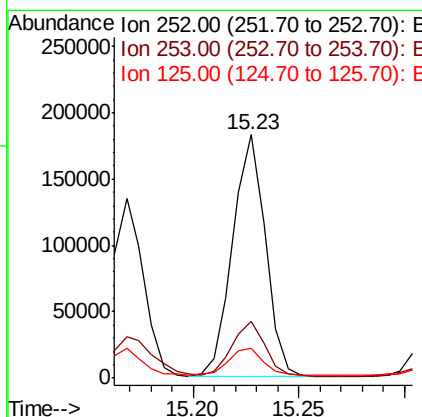
Manual Integrations
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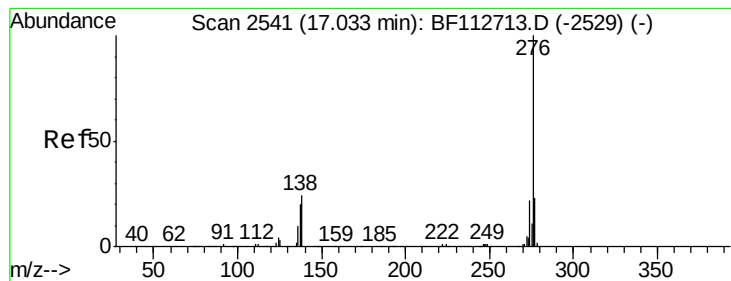
Sohil
3/4/2019 4:55:35 PM



#90
Benzo(a)pyrene
Concen: 10.076 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112810.D
Acq: 1 Mar 2019 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.4	10.7	16.1





#92

Benzo(a,h,i)perylene

Concen: 6.164 ng

RT: 17.05 min Scan# 2544

Delta R.T. 0.02 min

Lab File: BF112810.D

Acq: 1 Mar 2019 19:59

Instrument :

BNA_F

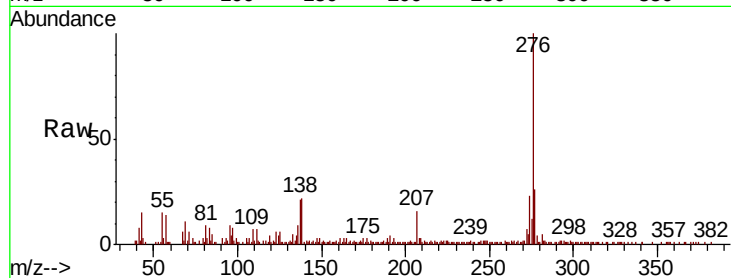
ClientSampleId :

Z-3-2-A

Tot Ion:	276	Resp:	102804
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.6	27.8
138	22.1	19.4	29.0

Manual Integrations
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3/4/2019 4:55:35 PM



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

