

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
 Data File : BF111462.D
 Acq On : 15 Dec 2018 12:18
 Operator : JU/SJ
 Sample : J6208-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

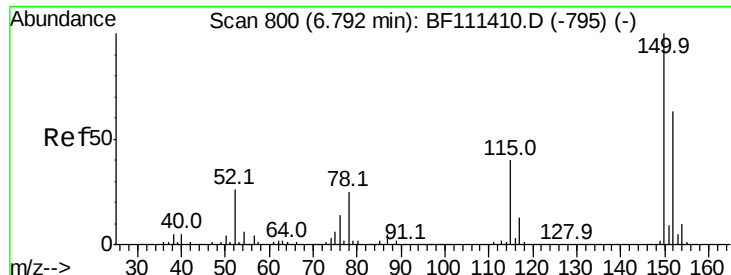
Manual Integrations
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 12/17/2018 3:11:48 PM

Quant Time: Dec 16 01:03:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	167361	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	691279	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	310359	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	490956	20.00	ng	0.00
76) Chrysene-d12	13.95	240	329271	20.00	ng	0.00
87) Perylene-d12	15.39	264	334523	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1290472	128.31	ng	0.01
7) Phenol-d6	6.45	99	1689491	126.29	ng	0.00
23) Nitrobenzene-d5	7.36	82	1035924	89.24	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	276475	99.45	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1426589	71.00	ng	0.00
79) Terphenyl-d14	12.90	244	899858	64.17	ng	0.00
Target Compounds						
10) Phenol	6.45	94	125047	8.391	ng	98
50) Dimethylphthalate	9.55	163	152850	6.838	ng	96
71) Phenanthrene	11.34	178	344534	13.619	ng	93
72) Anthracene	11.39	178	94090m	3.637	ng	
75) Fluoranthene	12.53	202	401074	16.206	ng	95
78) Pyrene	12.75	202	344039	14.820	ng	95
80) Butylbenzylphthalate	13.37	149	23751	2.099	ng	89
81) Benzo(a)anthracene	13.94	228	170618	9.530	ng	99
83) Chrysene	13.97	228	156859	8.317	ng	95
86) Indeno(1,2,3-cd)pyrene	16.80	276	92312	6.782	ng	# 89
88) Benzo(b)fluoranthene	14.97	252	237757m	12.191	ng	
89) Benzo(k)fluoranthene	15.00	252	80449m	4.317	ng	
90) Benzo(a)pyrene	15.33	252	163684	9.307	ng	99
92) Benzo(a,h,i)perylene	17.23	276	80798	5.933	ng	98

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



#1

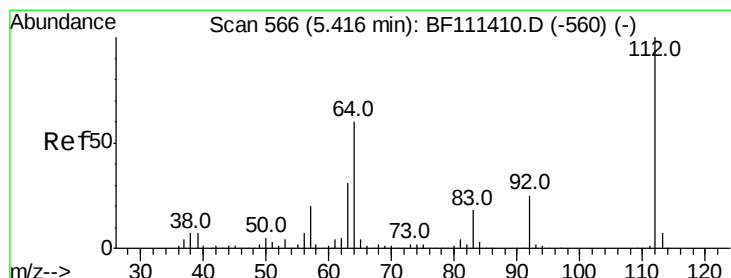
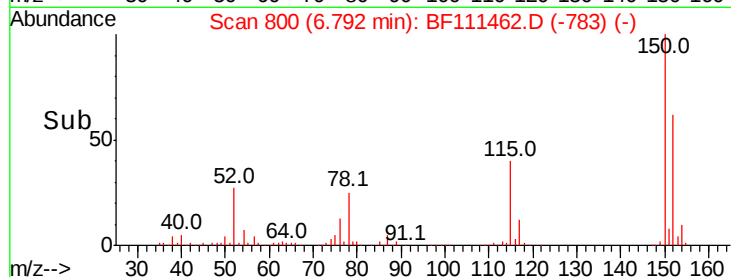
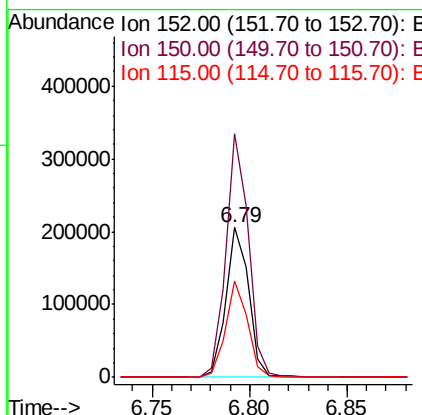
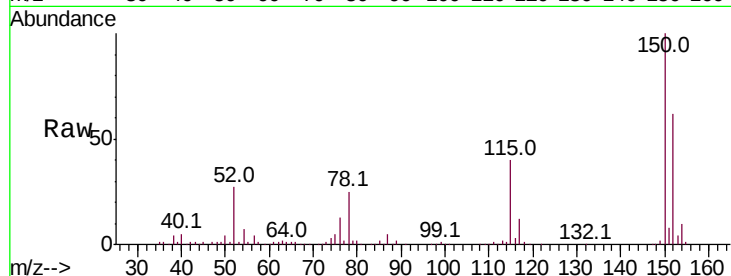
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.3	126.6	189.8
115	64.5	50.7	76.1

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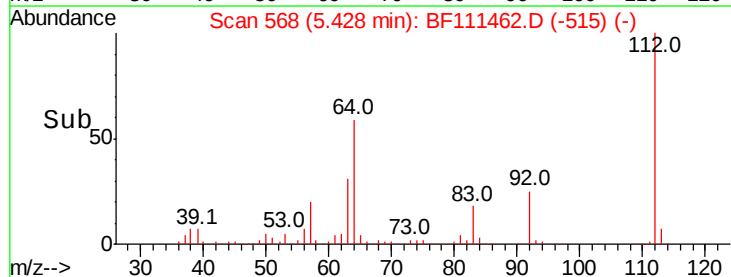
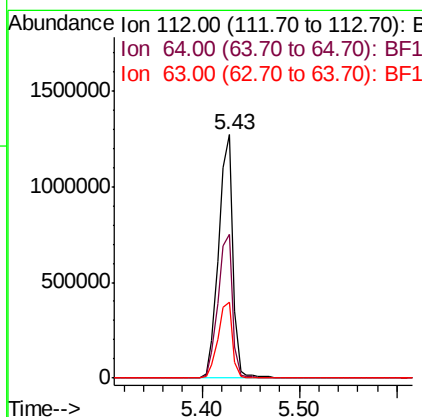
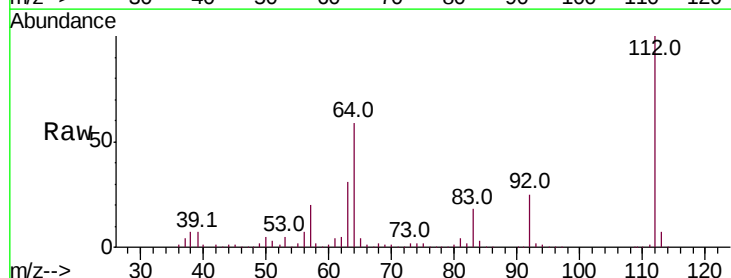
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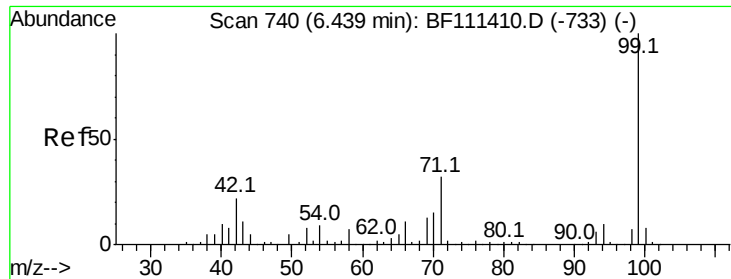


#5

2-Fluorophenol
Concen: 128.311 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	51.8	77.6
63	31.3	26.8	40.2





#7

Phenol-d6

Concen: 126.288 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111462.D

Acq: 15 Dec 2018 12:18

Instrument :

BNA_F

ClientSampled :

TP-4

Tot Ion: 99 Resp: 1689491

Ion Ratio Lower Upper

99 100

42 21.8 17.4 26.0

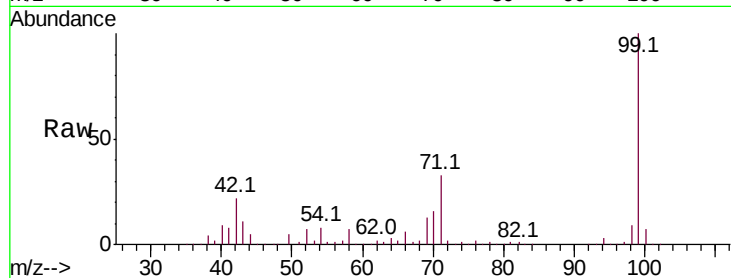
71 33.0 26.1 39.1

Manual Integrations

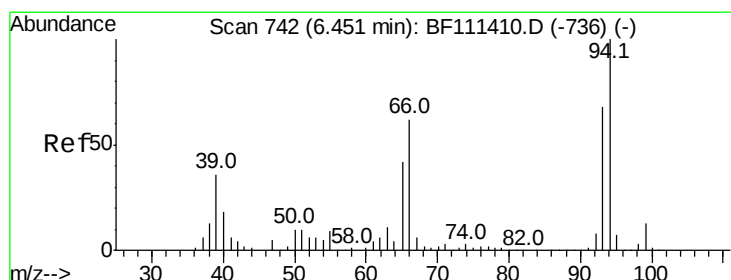
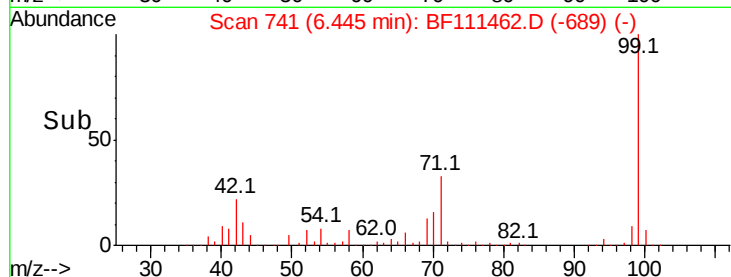
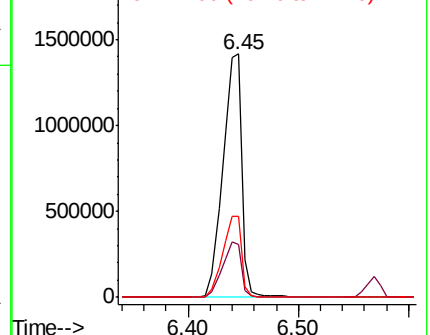
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 8.391 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111462.D

Acq: 15 Dec 2018 12:18

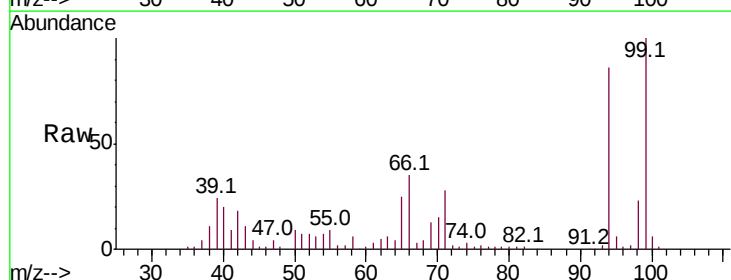
Tgt Ion: 94 Resp: 125047

Ion Ratio Lower Upper

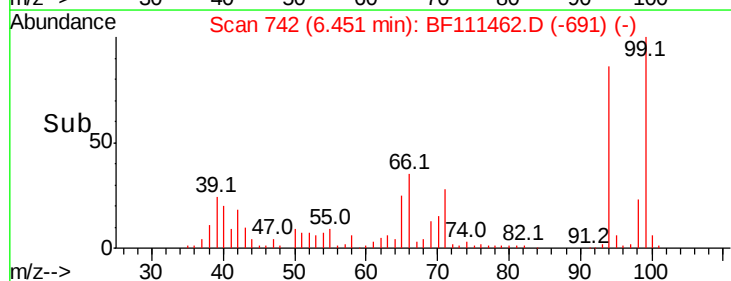
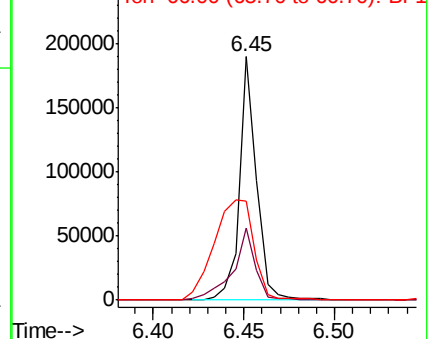
94 100

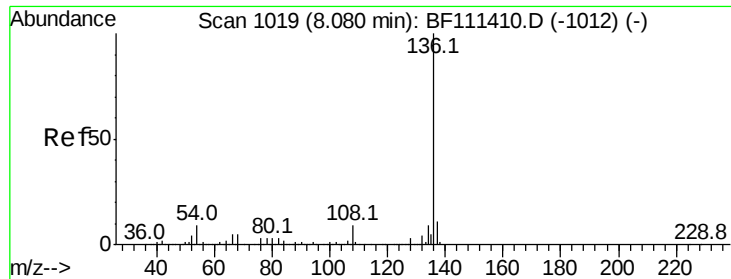
65 29.5 11.7 51.7

66 40.8 21.0 61.0



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





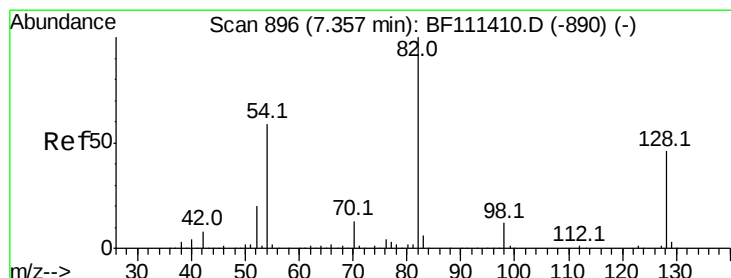
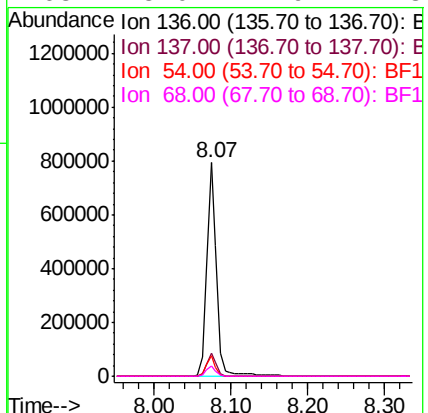
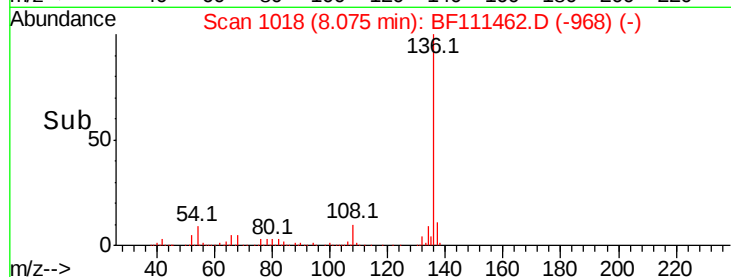
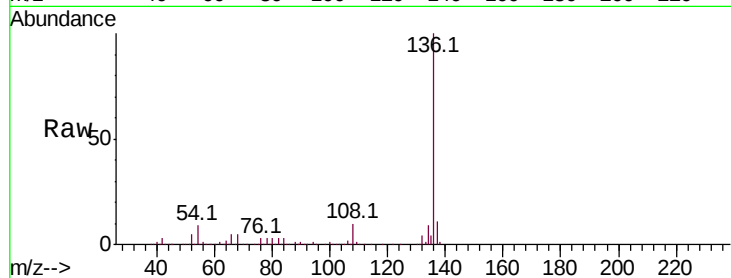
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	136	Resp	691279
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.1	13.7
54	9.3	7.7	11.5
68	5.0	4.9	7.3

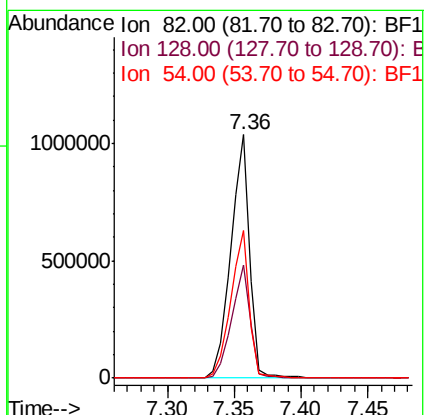
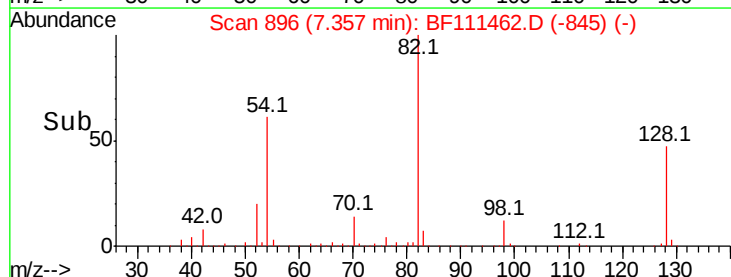
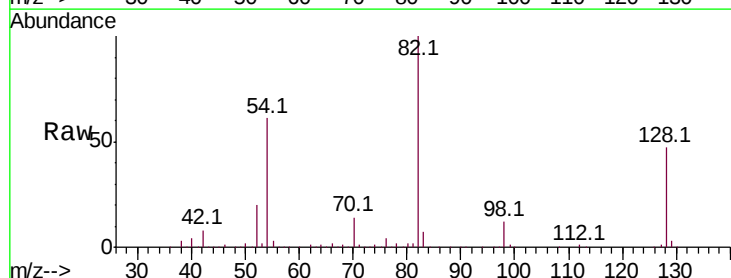
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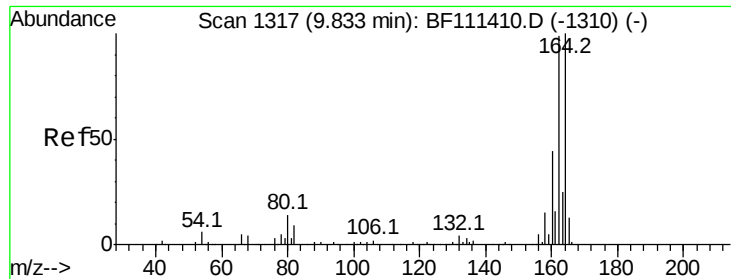
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#23
Nitrobenzene-d5
Concen: 89.237 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.00 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Tgt Ion	82	Resp	1035924
Ion Ratio	Lower	Upper	
82	100		
128	46.6	37.4	56.2
54	60.7	47.6	71.4





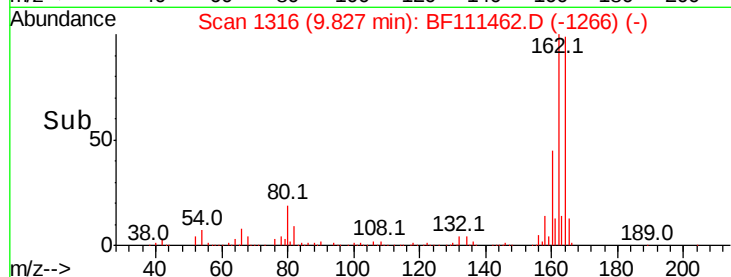
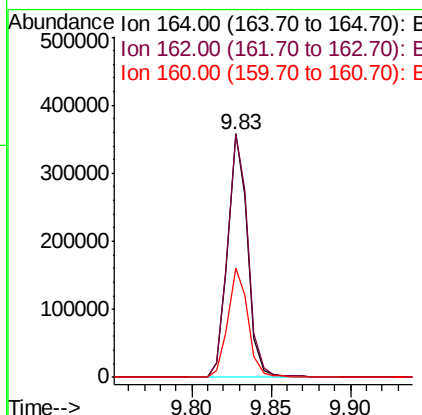
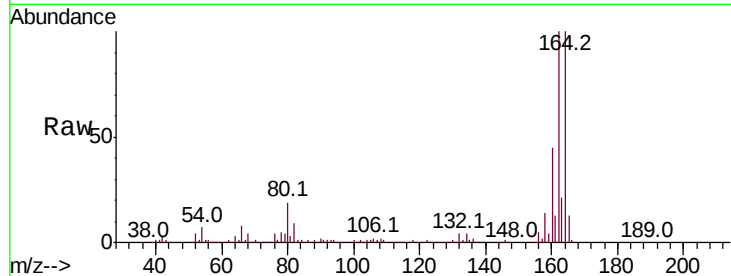
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111462.D
 Acq: 15 Dec 2018 12:18

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.2	81.4	122.0	
160	44.9	35.7	53.5	

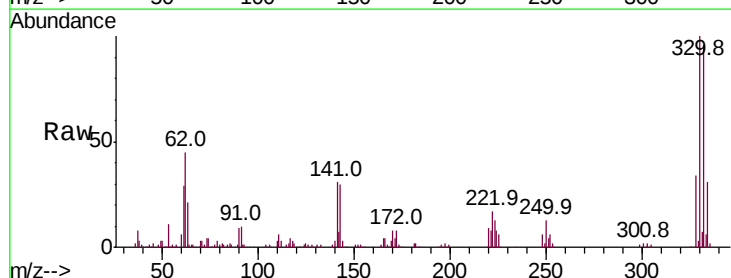
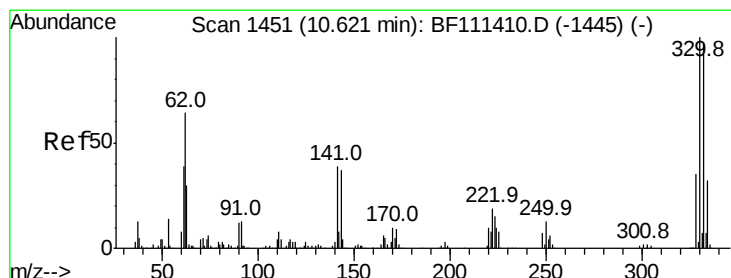
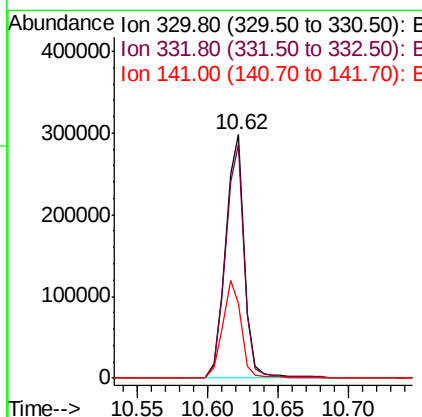
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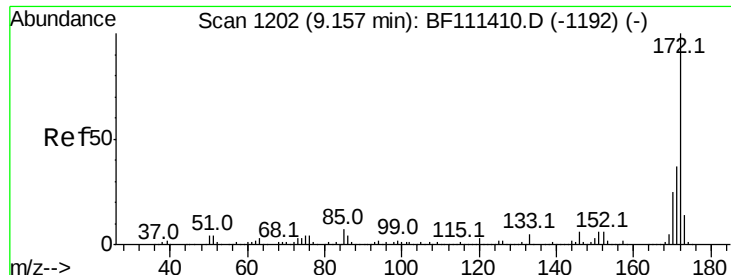
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#42
 2,4,6-Tribromophenol
 Concen: 99.446 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF111462.D
 Acq: 15 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.0	114.0	
141	40.0	31.0	46.6	





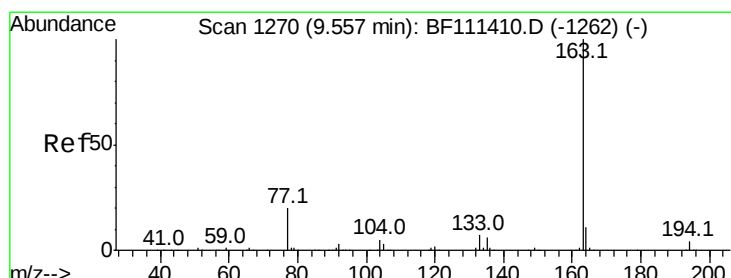
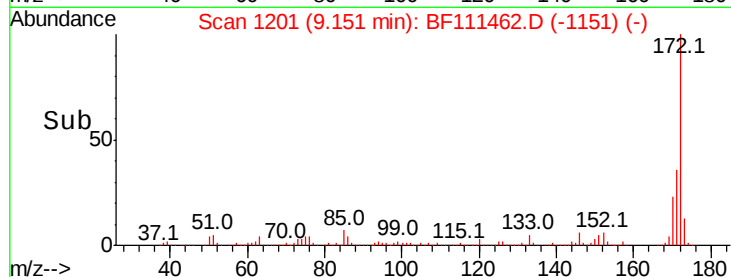
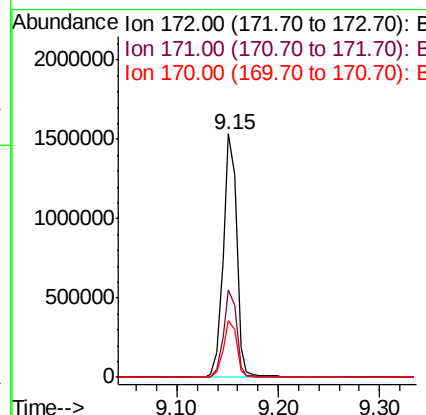
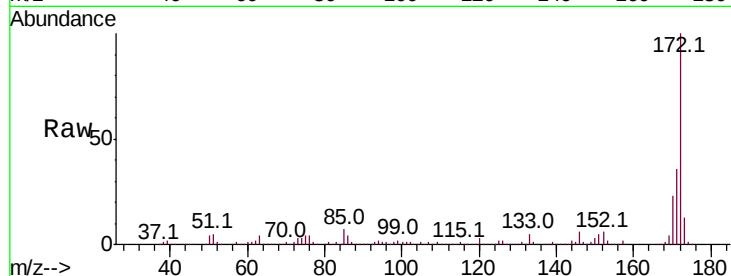
#45
2-Fluorobiphenyl
Concen: 71.001 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	33.0	49.4
170	23.3	22.3	33.5

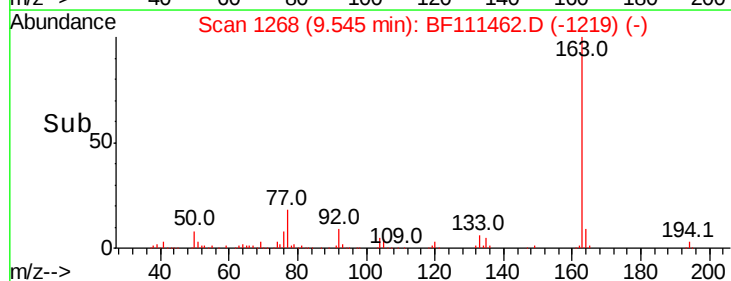
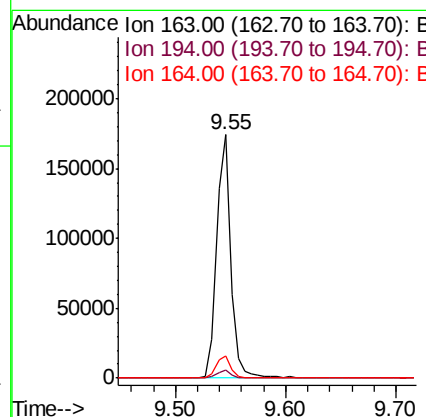
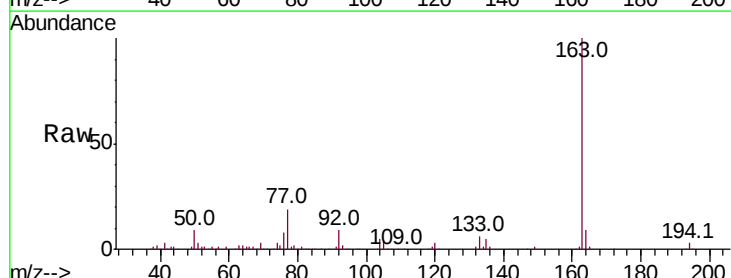
Manual Integrations
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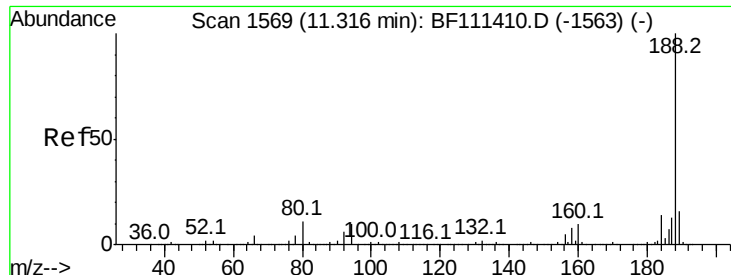
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#50
Dimethylphthalate
Concen: 6.838 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.6
164	9.4	8.9	13.3





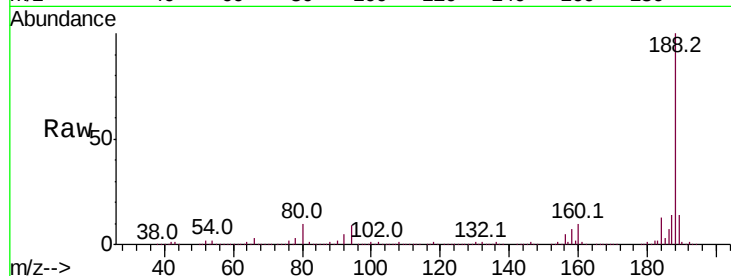
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Instrument :
BNA_F
ClientSampleId :
TP-4

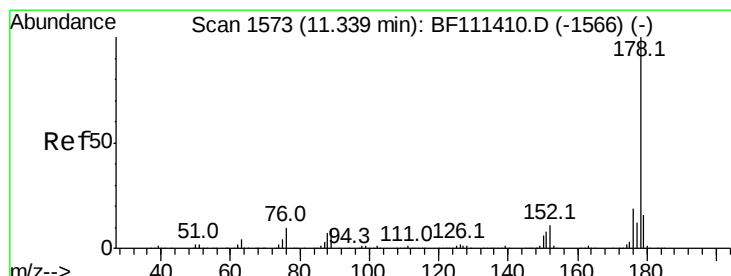
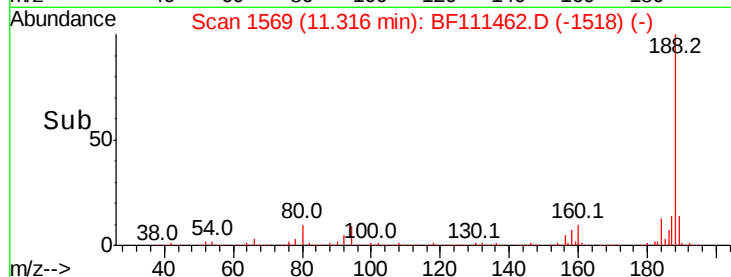
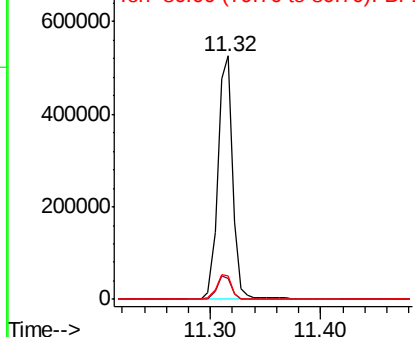
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.7	9.6	14.4#
80	9.8	9.8	14.6#

Manual Integrations
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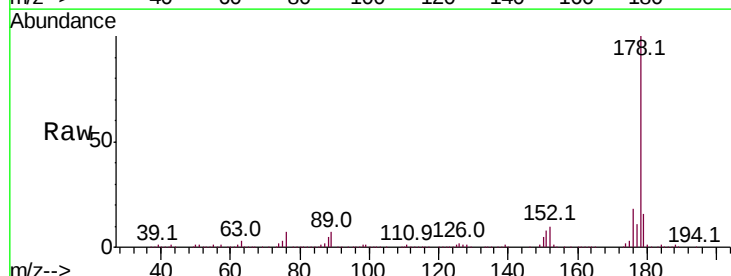


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

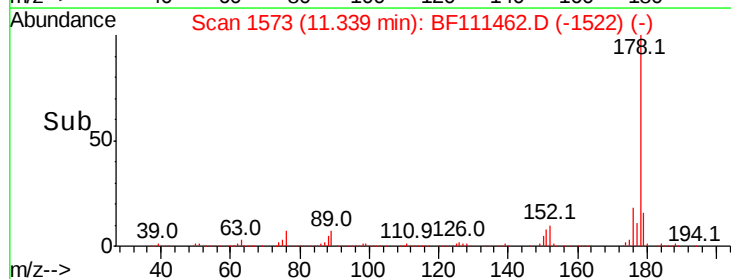
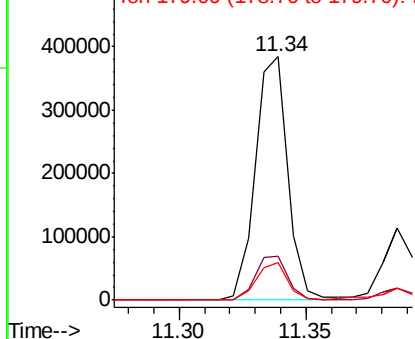


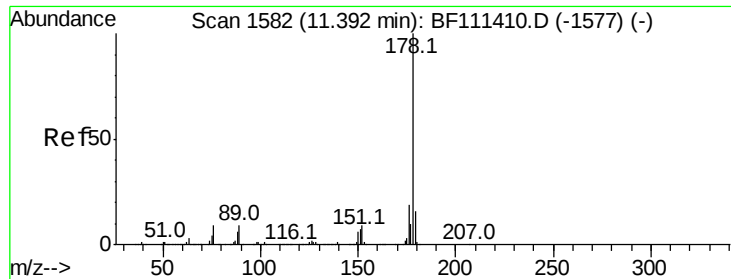
#71
Phenanthrene
Concen: 13.619 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.2	18.1	27.1
179	15.6	14.0	21.0



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: 3.637 ng/mL

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111462.D

Acq: 15 Dec 2018 12:18

Instrument :

BNA_F

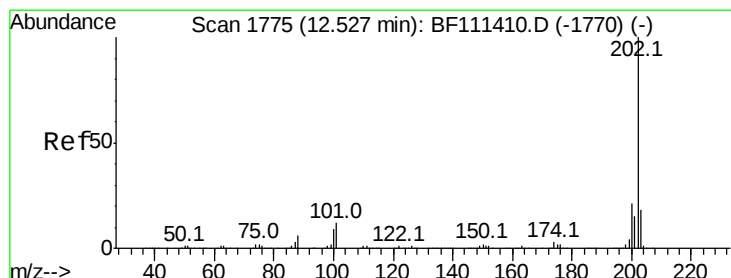
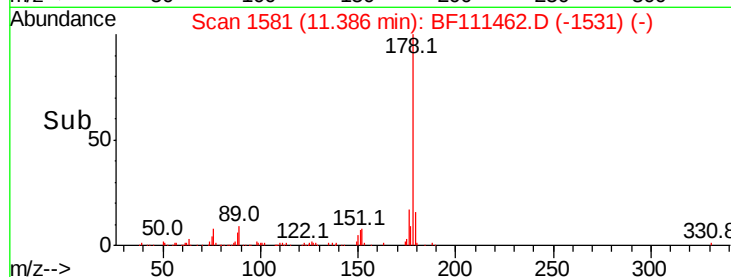
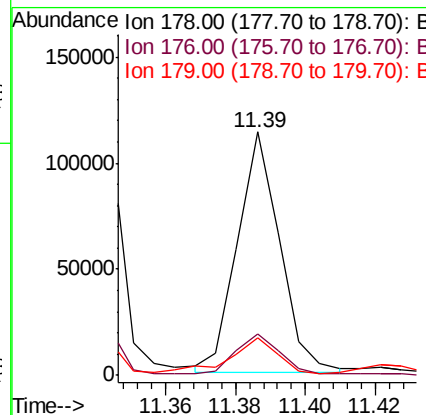
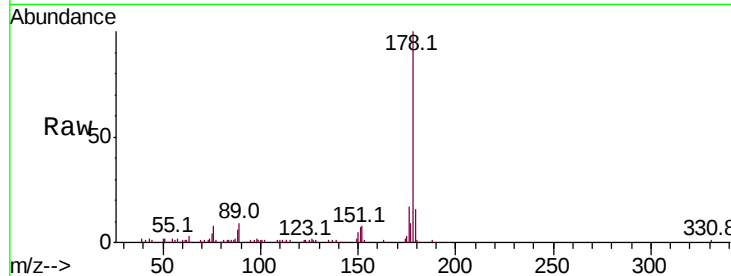
ClientSampled :

TP-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	17.2	25.8#
179	15.6	13.8	20.8

Manual Integrations
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#75

Fluoranthene

Concen: 16.206 ng/mL

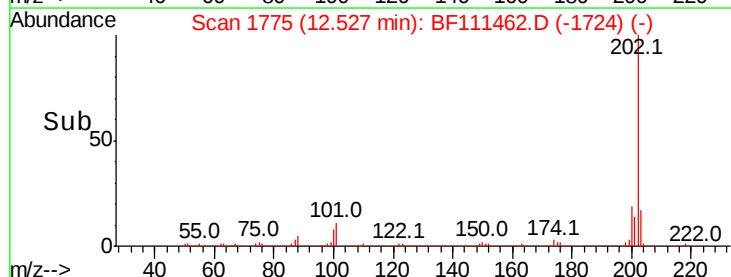
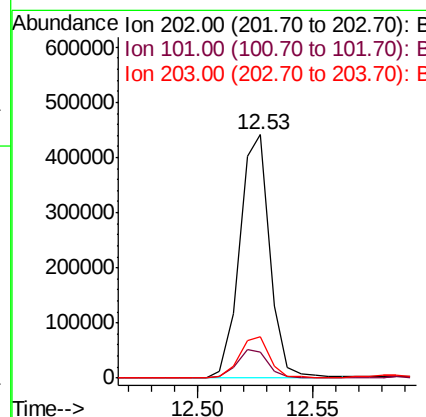
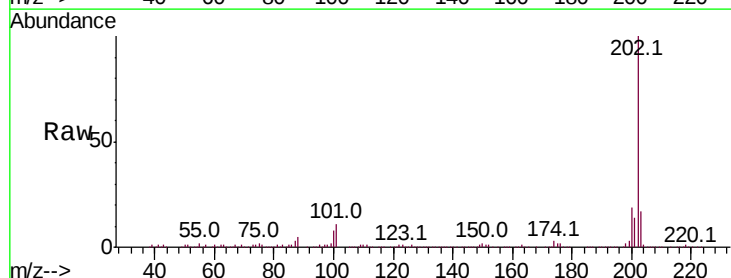
RT: 12.53 min Scan# 1775

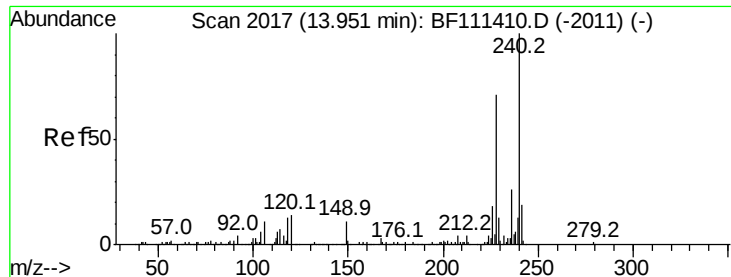
Delta R.T. 0.00 min

Lab File: BF111462.D

Acq: 15 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	33.8
203	16.8	0.0	38.6





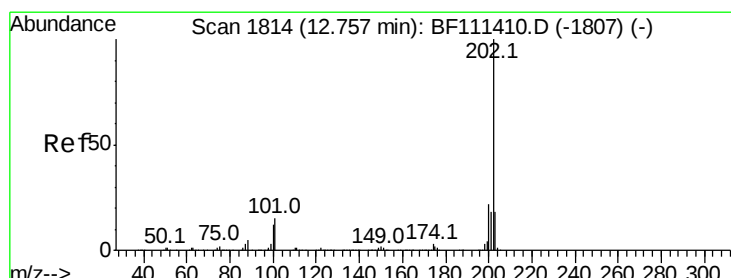
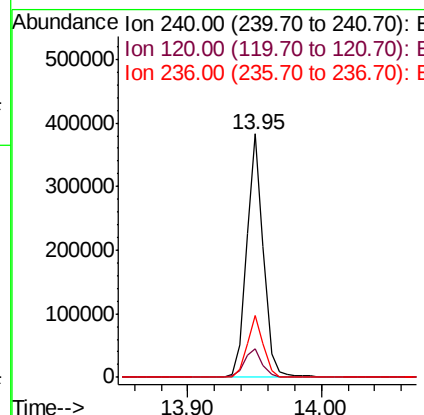
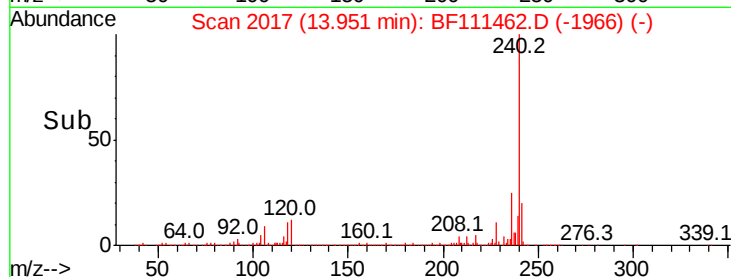
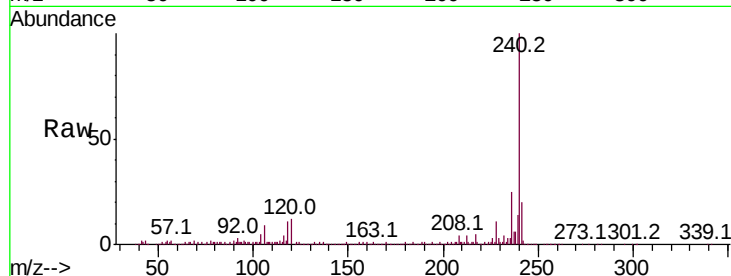
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	12.2	18.2#
236	25.3	20.2	30.2

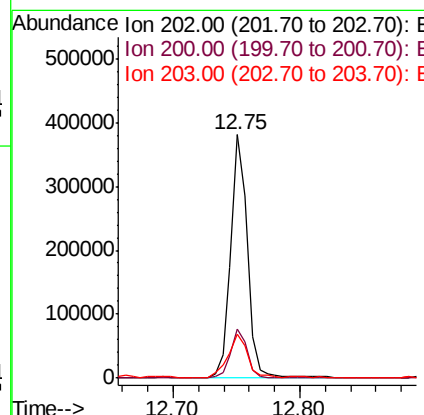
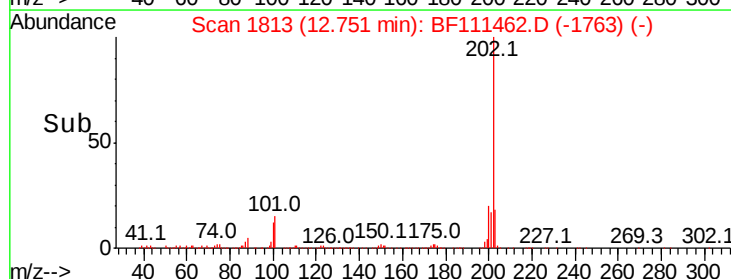
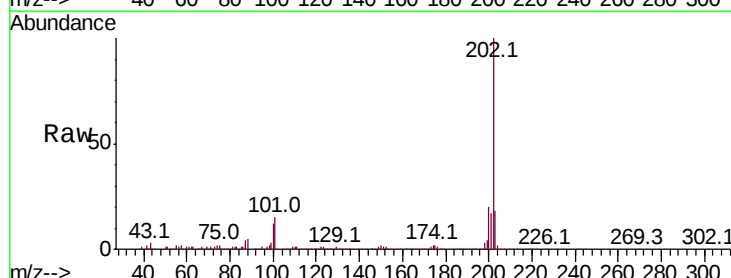
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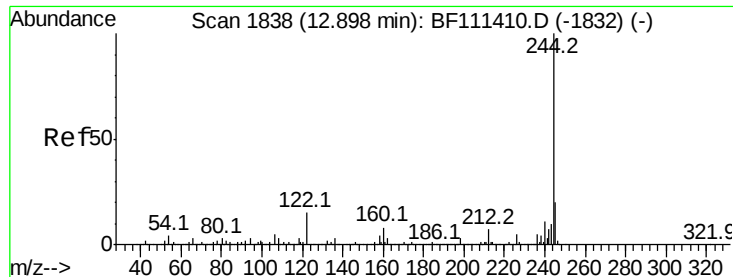
Sohil
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#78
Pyrene
Concen: 14.820 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	19.0	28.4
203	17.9	15.2	22.8





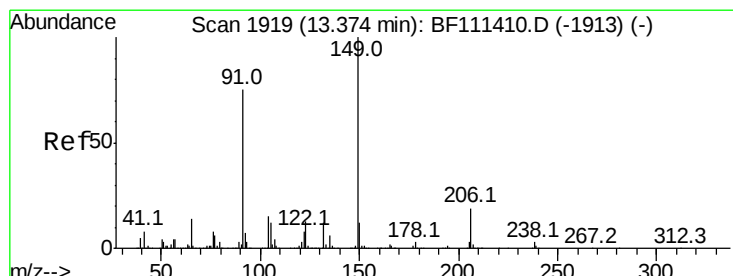
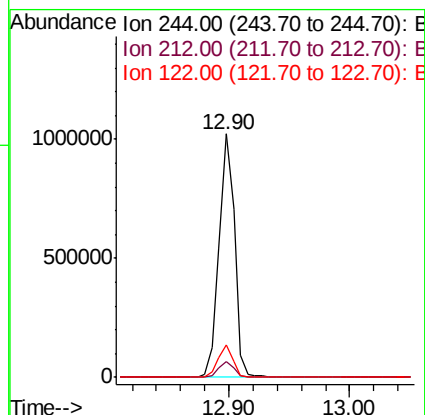
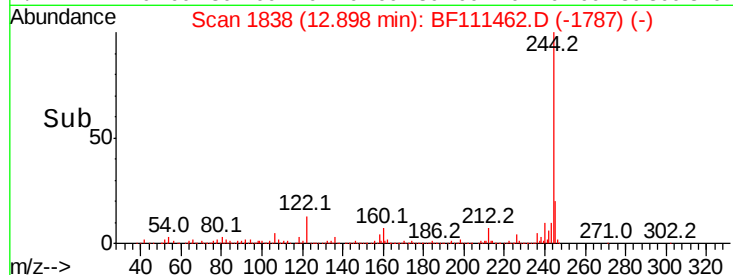
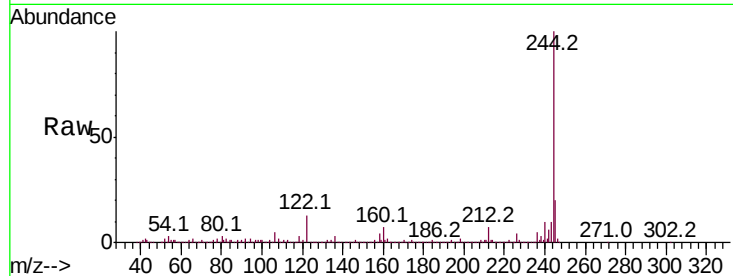
#79
 Terphenyl-d14
 Concen: 64.174 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF111462.D
 Acq: 15 Dec 2018 12:18

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	13.3	13.1	19.7

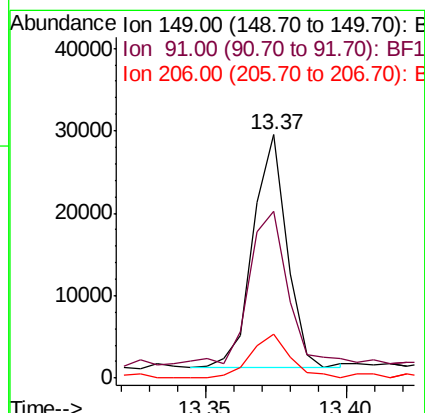
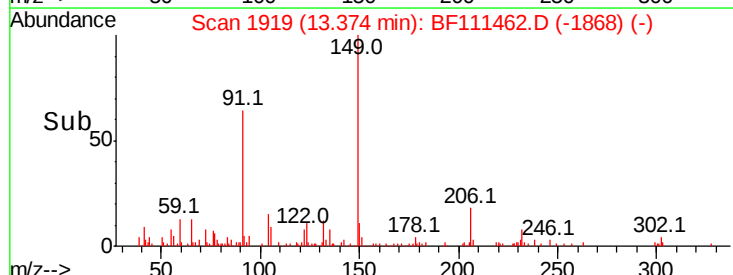
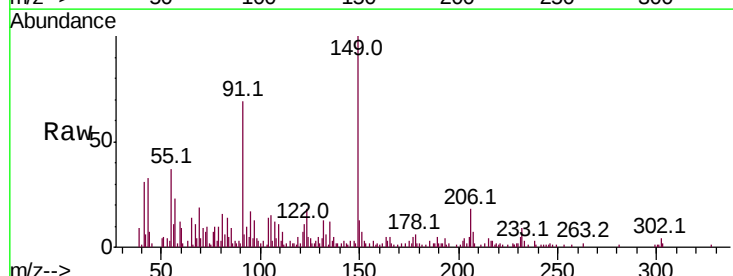
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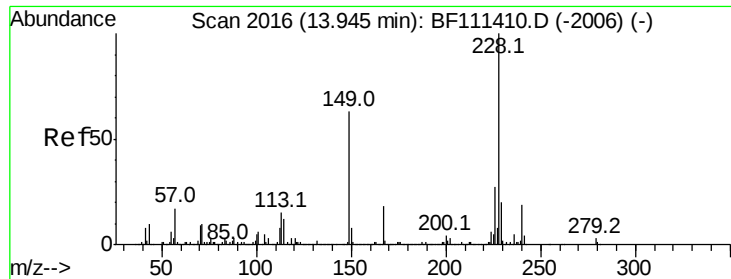
Sohil
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#80
 Butylbenzylphthalate
 Concen: 2.099 ng
 RT: 13.37 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: BF111462.D
 Acq: 15 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.6	63.8	95.6
206	18.1	15.1	22.7





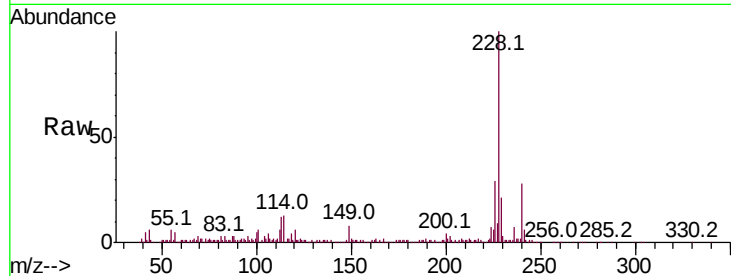
#81
Benzo(a)anthracene
Concen: 9.530 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	34.0
229	21.0	16.3	24.5

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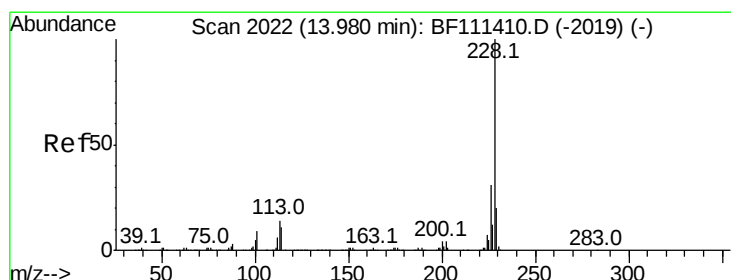
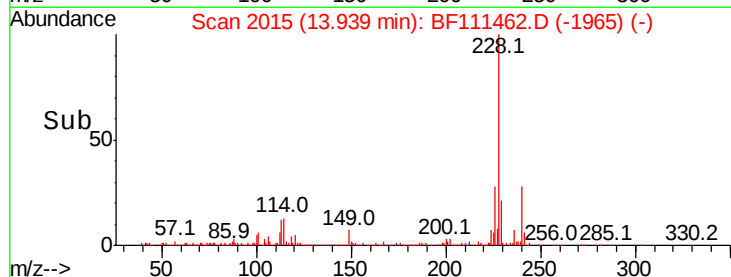
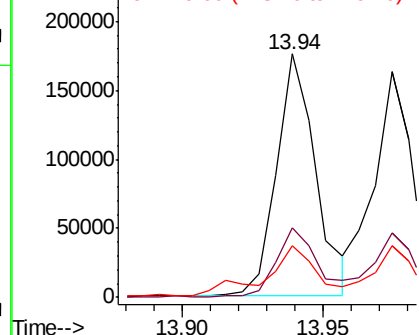


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 8.317 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

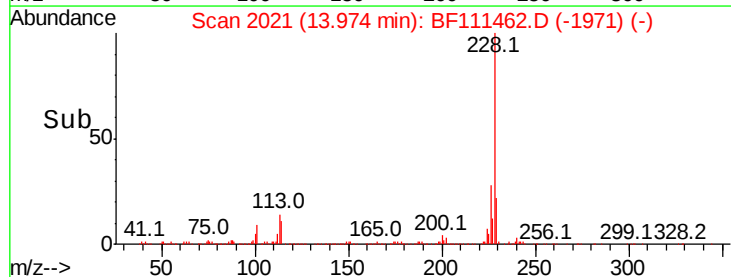
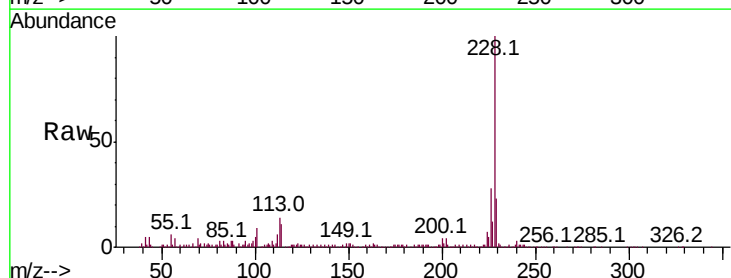
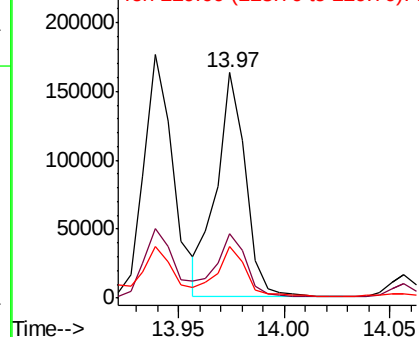
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.3	37.9
229	23.0	17.2	25.8

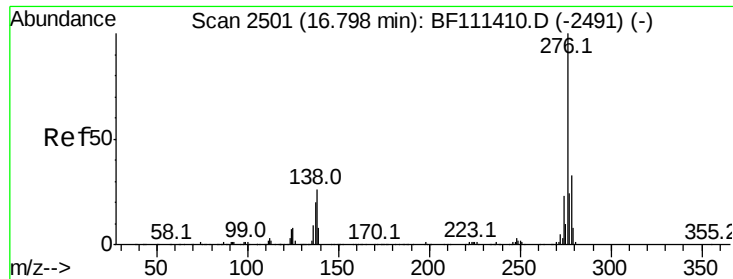
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





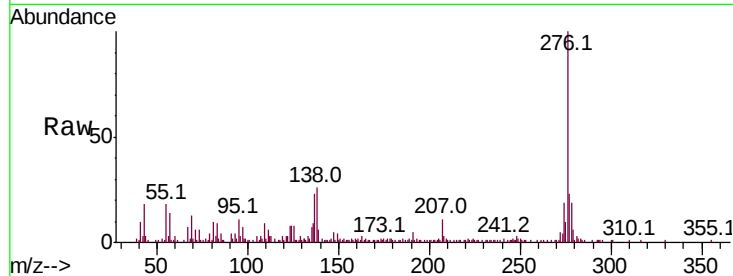
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.782 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Instrument :
BNA_F
ClientSampleId :
TP-4

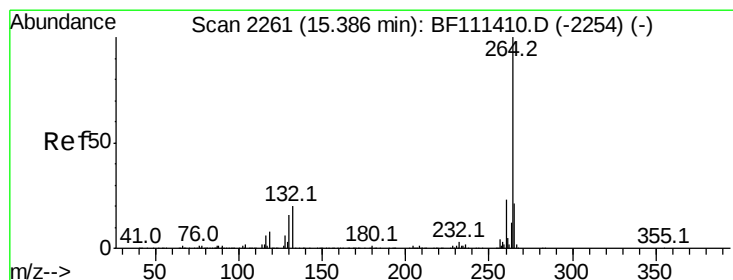
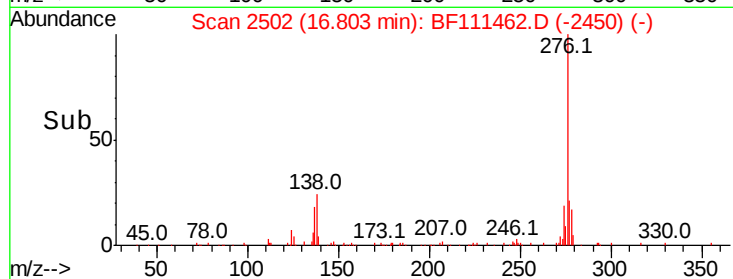
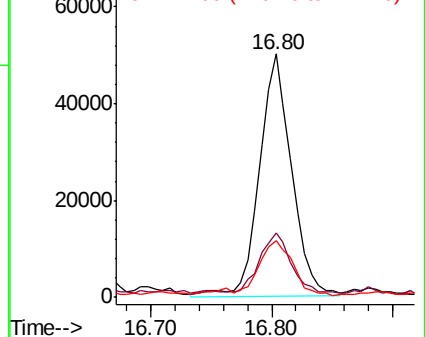
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.9	27.8	41.6#
277	23.4	20.1	30.1

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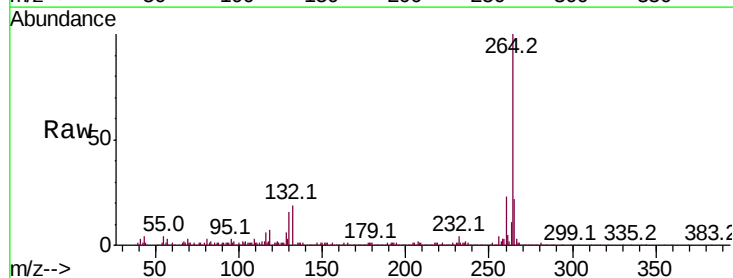


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

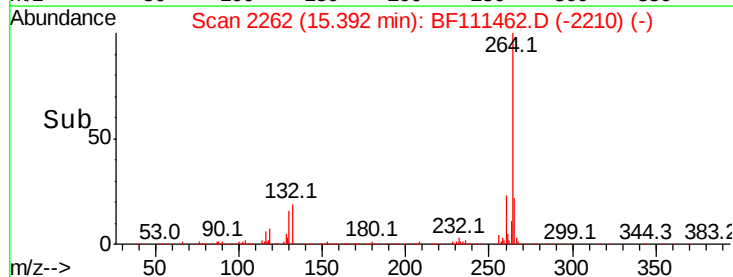
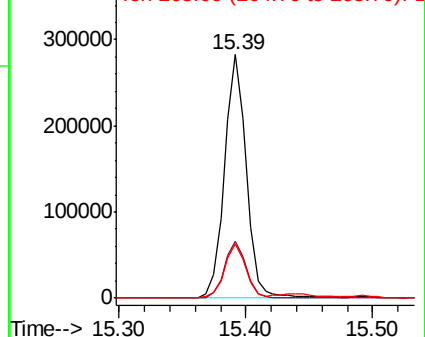


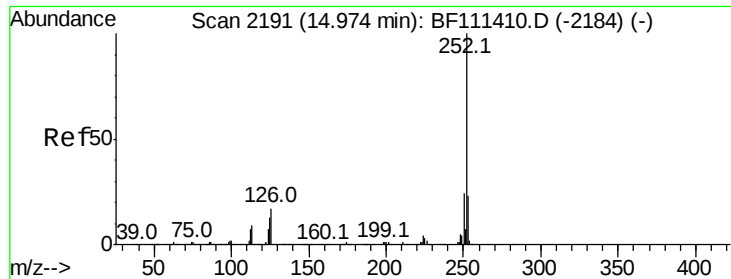
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.3	27.5
265	22.2	17.7	26.5



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





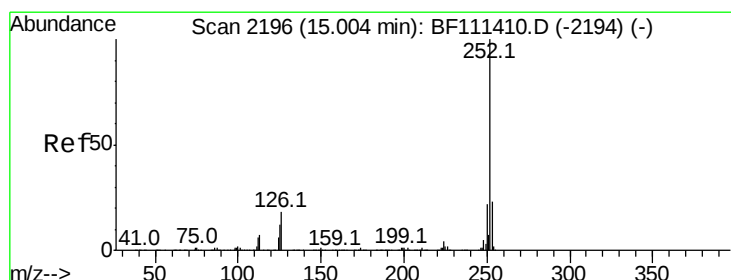
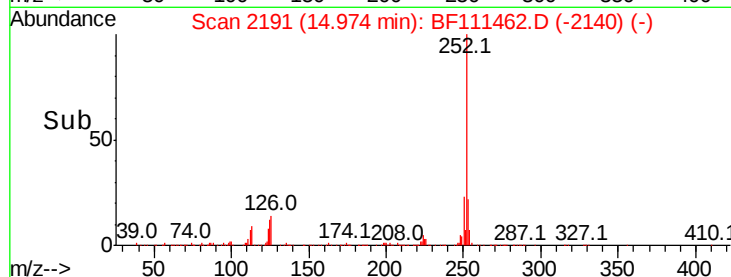
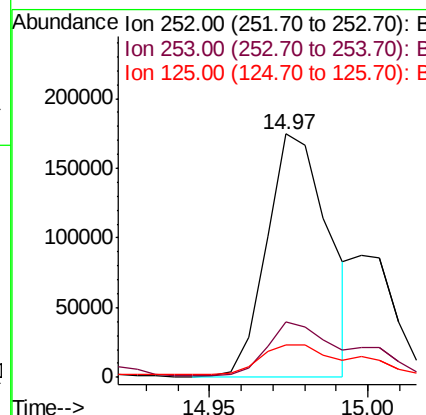
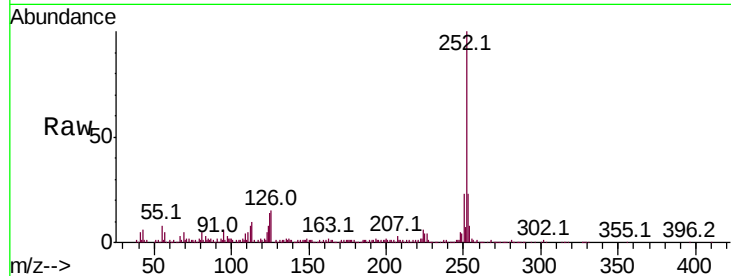
#88
Benzo(b)fluoranthene
Concen: 12.191 ng m
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	13.5	10.4	15.6

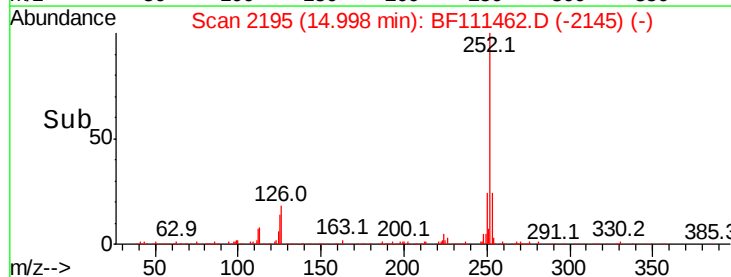
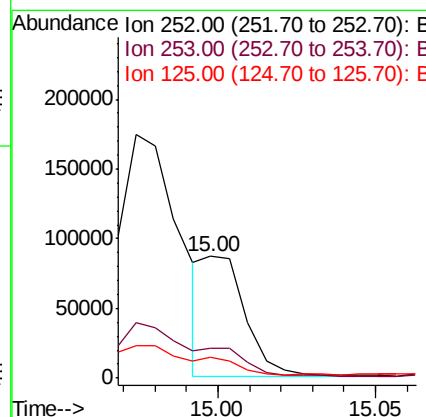
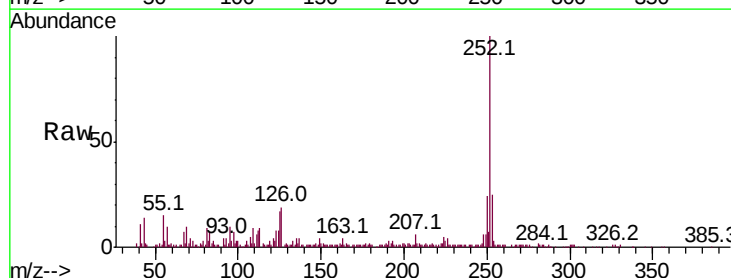
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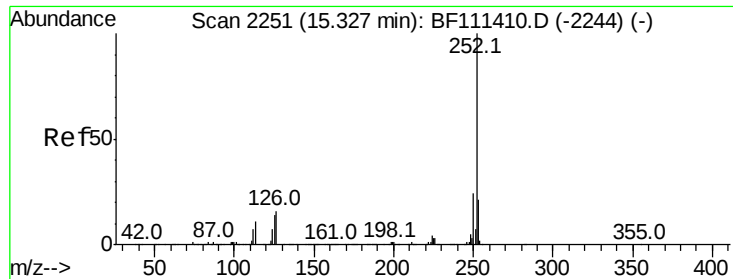
Sohil
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#89
Benzo(k)fluoranthene
Concen: 4.317 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	17.2	9.8	14.8





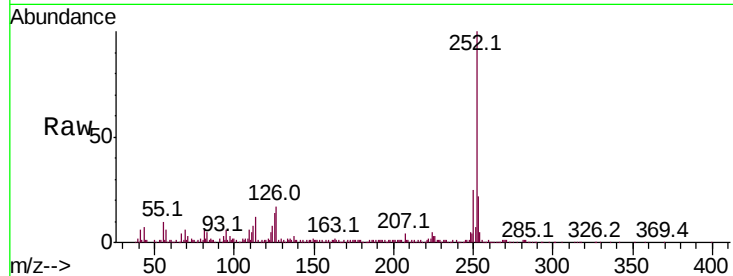
#90
Benzo(a)pyrene
Concen: 9.307 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Instrument :
BNA_F
ClientSampled :
TP-4

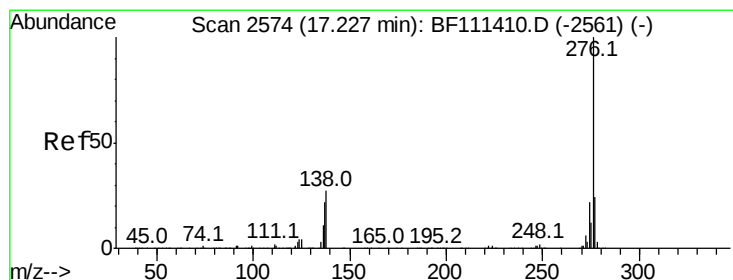
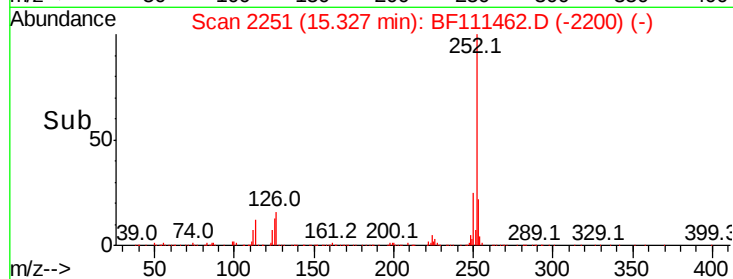
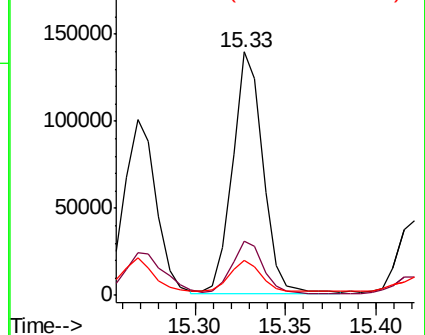
Tot Ion:	252	Resp:	163684
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.8	26.8
125	14.4	12.3	18.5

Manual Integrations
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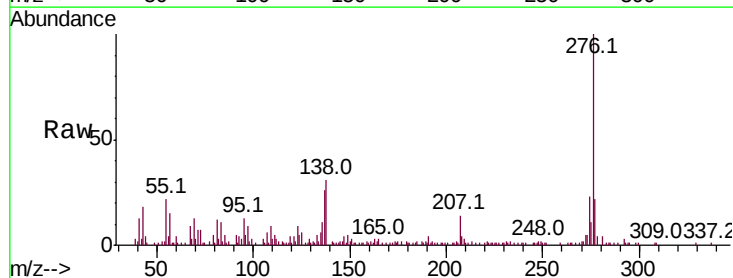


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.933 ng
RT: 17.23 min Scan# 2574
Delta R.T. 0.00 min
Lab File: BF111462.D
Acq: 15 Dec 2018 12:18

Tgt Ion:	276	Resp:	80798
Ion Ratio	Lower	Upper	
276	100		
277	21.6	19.2	28.8
138	31.3	24.9	37.3



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

