

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090919\
 Data File : BF116904.D
 Acq On : 9 Sep 2019 18:45
 Operator : HP/JU
 Sample : K4755-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-1-3

Manual Integrations
 APPROVED

mohammad
 9/12/2019 9:28:05 AM

Quant Time: Sep 10 03:21:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	67712	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	274561	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	142302	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	241982	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	194521	20.00	ng	-0.01
87) Perylene-d12	15.44	264	194431	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	434291	103.91	ng	-0.01
7) Phenol-d6	6.47	99	617656	112.54	ng	-0.01
23) Nitrobenzene-d5	7.39	82	373703	77.70	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	141253	148.48	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	651029	77.18	ng	-0.02
79) Terphenyl-d14	12.93	244	691295	65.74	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.58	163	83286	8.477	ng	98
71) Phenanthrene	11.37	178	114166	8.475	ng	97
75) Fluoranthene	12.56	202	204898	15.478	ng	98
78) Pyrene	12.79	202	180832	10.458	ng	99
81) Benzo(a)anthracene	13.97	228	78675	6.391	ng	99
83) Chrysene	14.01	228	80074	6.313	ng	96
84) Bis(2-ethylhexyl)phthalate	13.96	149	27734	2.672	ng	94
86) Indeno(1,2,3-cd)pyrene	16.88	276	54411	5.341	ng	99
88) Benzo(b)fluoranthene	15.02	252	133274m	11.338	ng	
89) Benzo(k)fluoranthene	15.04	252	42437m	3.959	ng	
90) Benzo(a)pyrene	15.37	252	80131	7.835	ng	99
92) Benzo(a,h,i)perylene	17.32	276	51671	5.660	ng	# 95

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

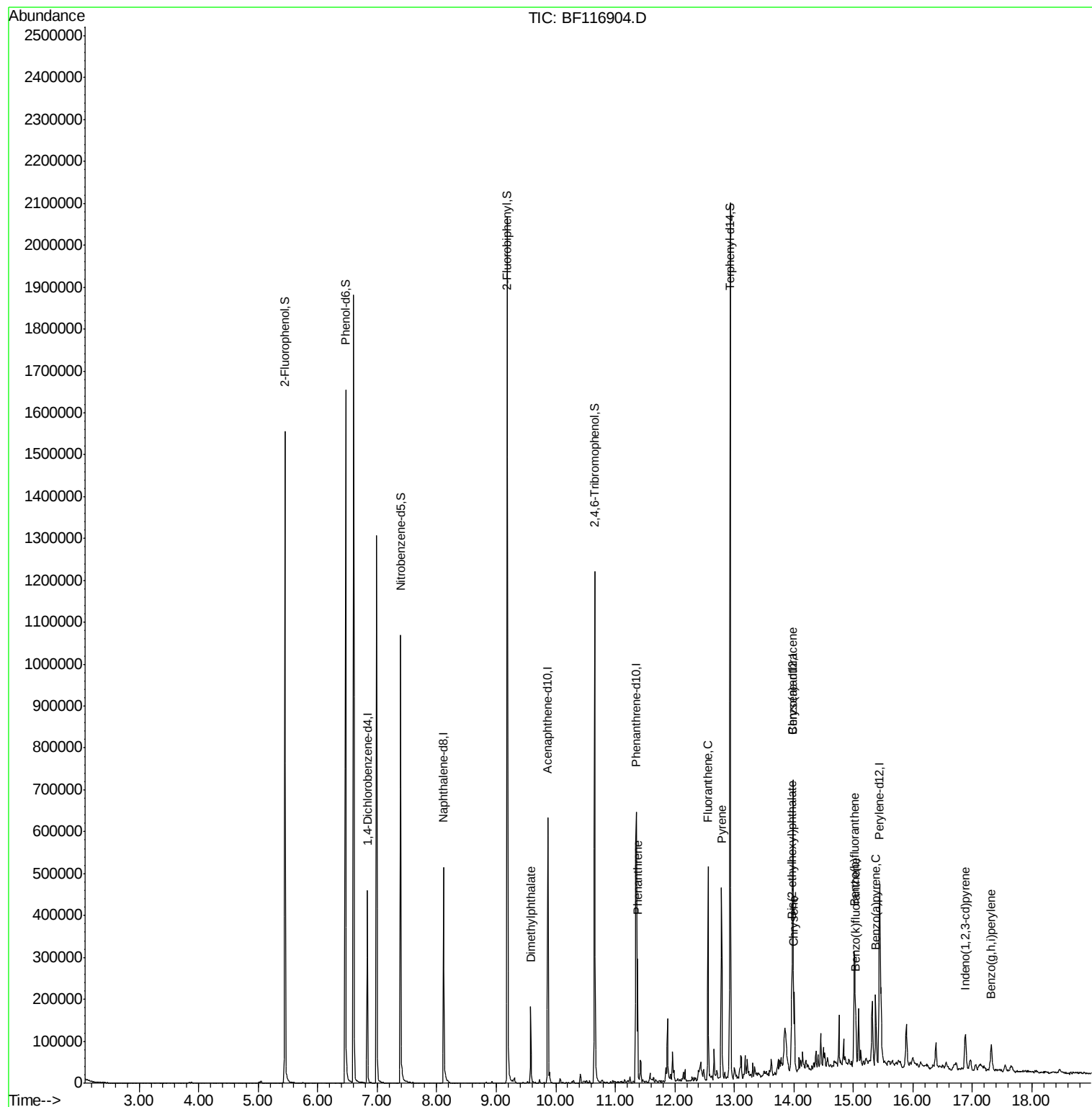
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090919\
Data File : BF116904.D
Acq On : 9 Sep 2019 18:45
Operator : HP/JU
Sample : K4755-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
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RO-1-3

Manual Integrations
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#1

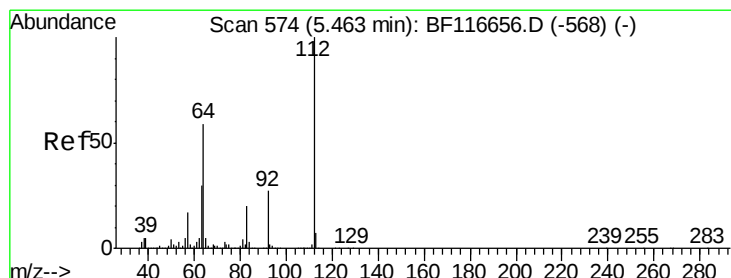
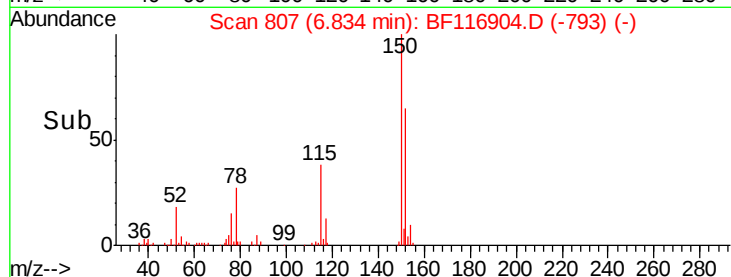
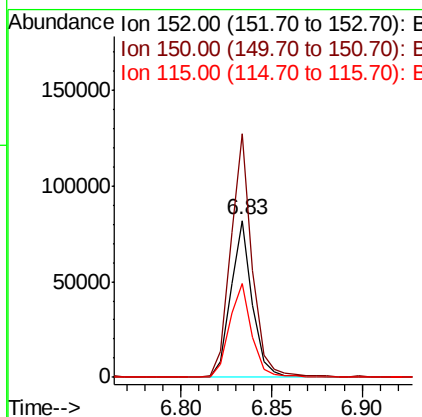
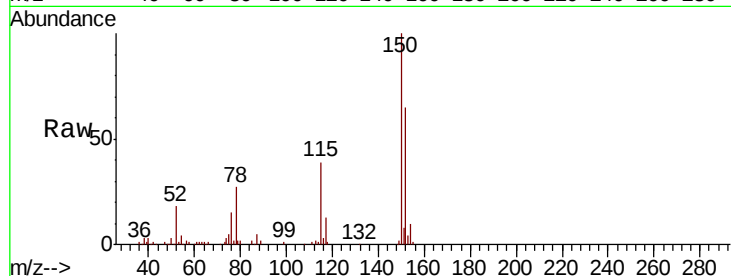
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :
RO-1-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.4	186.6
115	59.8	49.9	74.9

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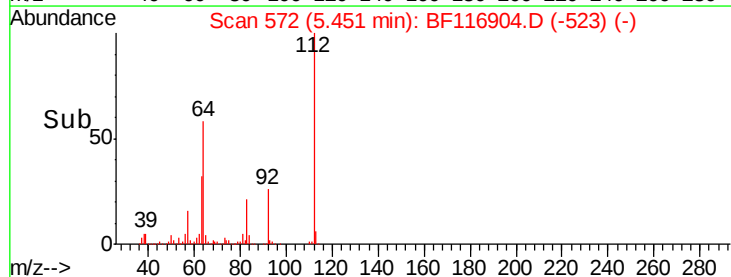
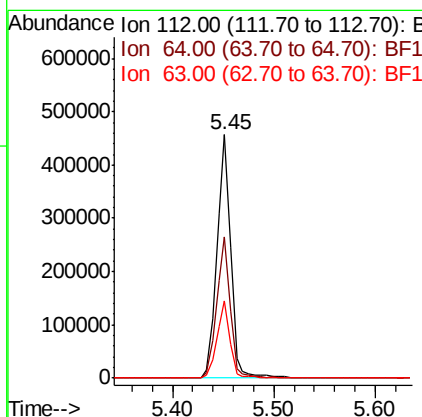
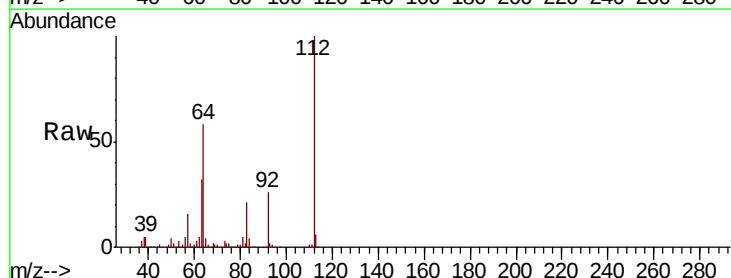
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#5

2-Fluorophenol
Concen: 103.907 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.1	70.7
63	31.6	24.9	37.3





#7

Phenol-d6

Concen: 112.541 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116904.D

Acq: 9 Sep 2019 18:45

Instrument :

BNA_F

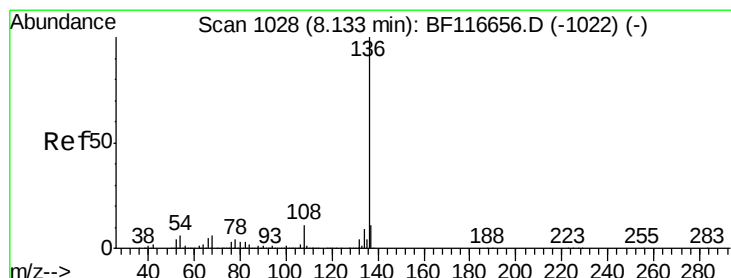
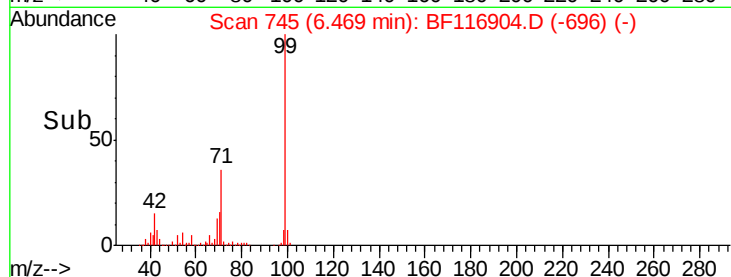
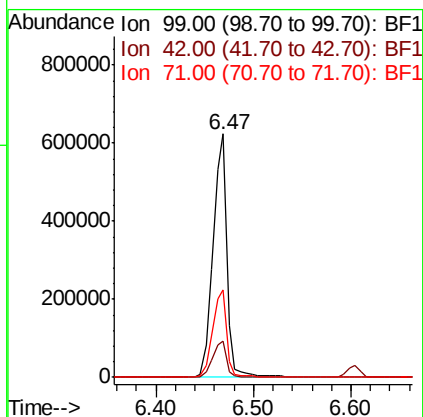
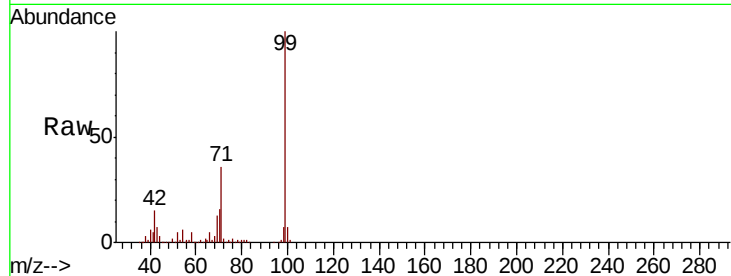
ClientSampleId :

RO-1-3

Tot Ion:	99	Resp:	617656
Ion	Ratio	Lower	Upper
99	100		
42	14.9	13.7	20.5
71	35.9	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

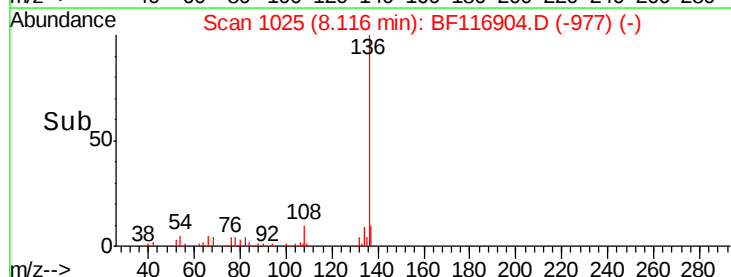
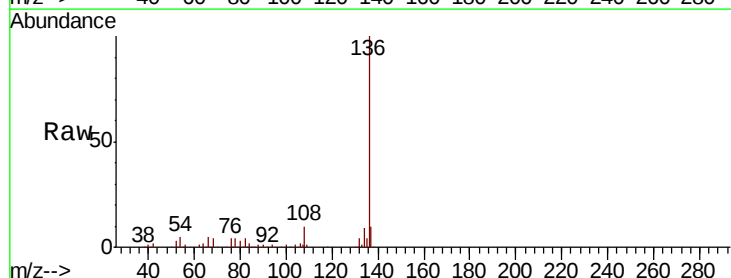
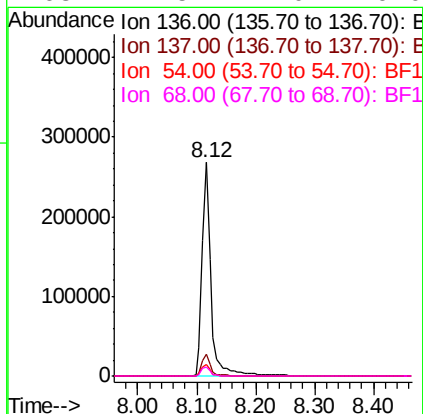
RT: 8.12 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF116904.D

Acq: 9 Sep 2019 18:45

Tgt Ion:	136	Resp:	274561
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	5.1	4.8	7.2
68	4.5	4.0	6.0





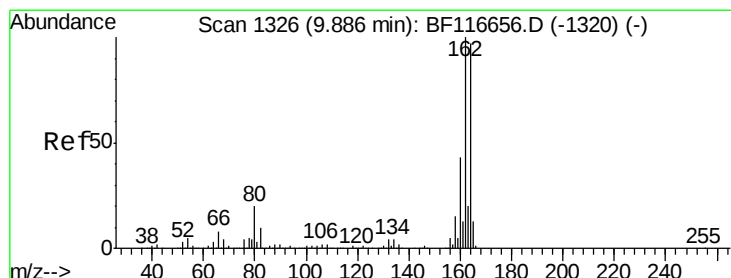
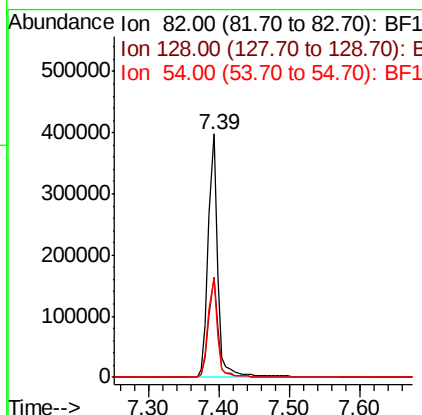
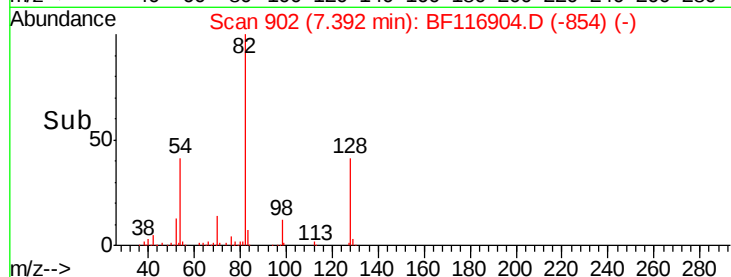
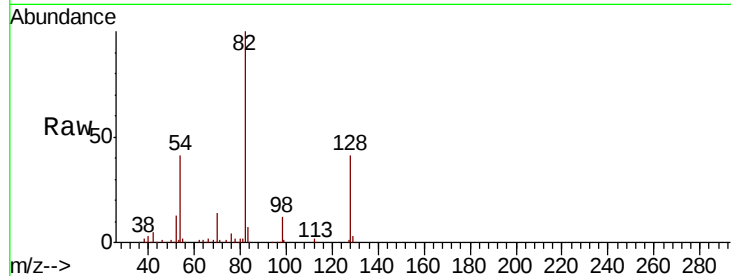
#23
 Nitrobenzene-d5
 Concen: 77.701 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.02 min
 Lab File: BF116904.D
 Acq: 9 Sep 2019 18:45

Instrument :
 BNA_F
 ClientSampled :
 RO-1-3

Tot Ion:	82	Resp:	373703
Ion Ratio	Lower	Upper	
82	100		
128	41.1	32.8	49.2
54	40.7	36.9	55.3

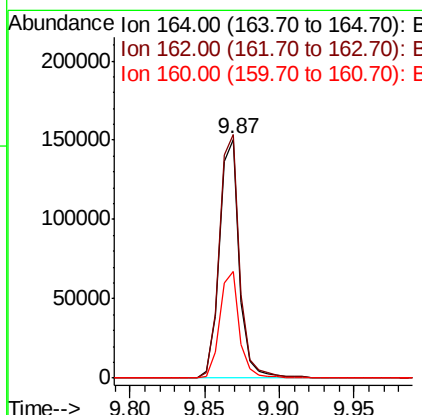
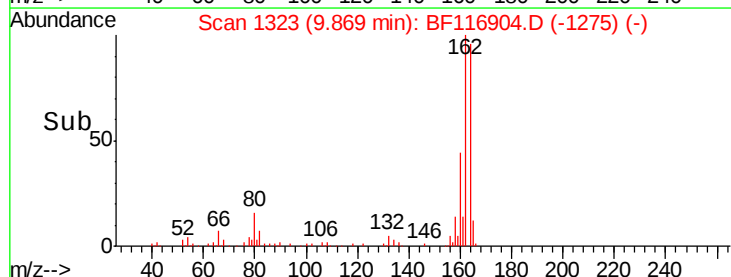
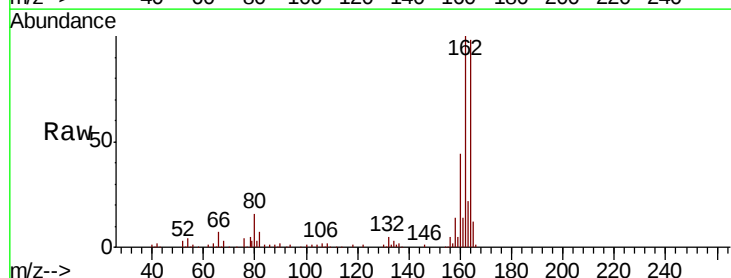
Manual Integrations
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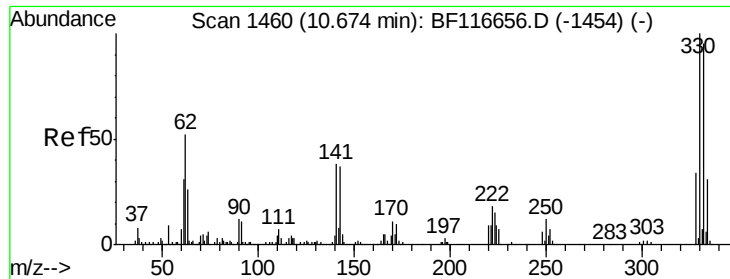
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116904.D
 Acq: 9 Sep 2019 18:45

Tgt Ion:	164	Resp:	142302
Ion Ratio	Lower	Upper	
164	100		
162	101.8	81.4	122.0
160	44.6	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 148.481 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF116904.D

Acq: 9 Sep 2019 18:45

Instrument :

BNA_F

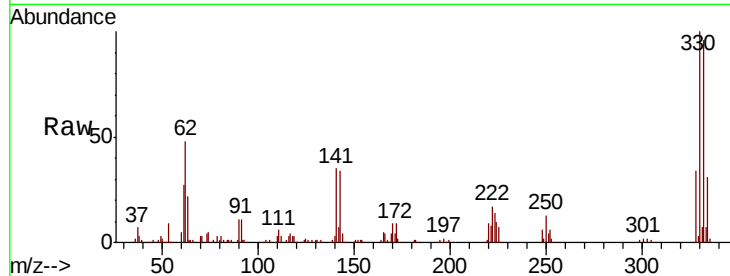
ClientSampled :

RO-1-3

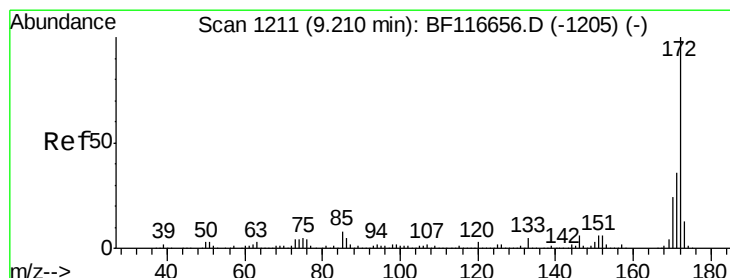
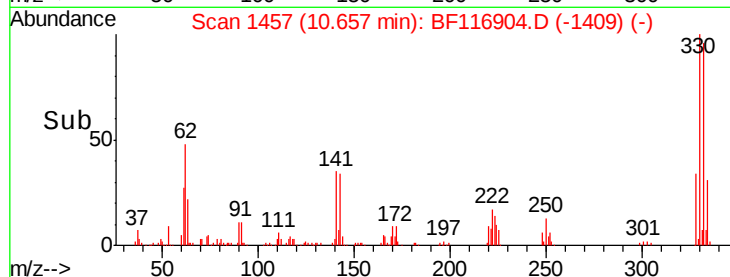
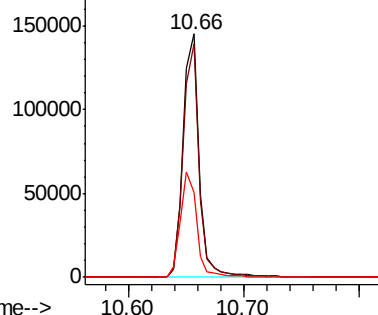
Tot Ion:	330	Resp:	141253
Ion Ratio	Lower	Upper	
330	100		
332	95.4	76.9	115.3
141	44.4	31.4	47.2

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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: 77.175 ng

RT: 9.19 min Scan# 1207

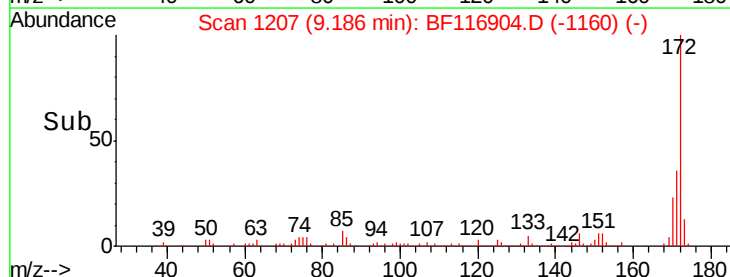
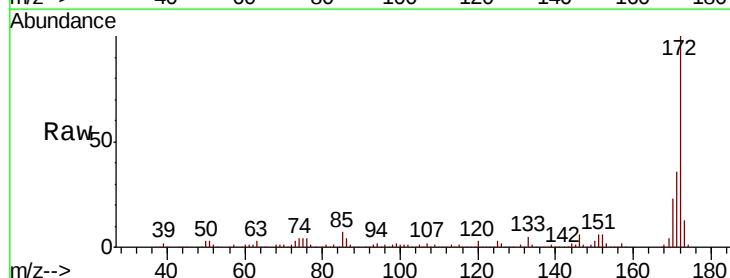
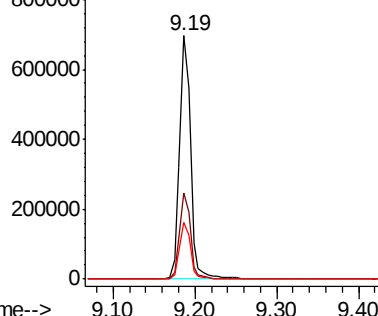
Delta R.T. -0.02 min

Lab File: BF116904.D

Acq: 9 Sep 2019 18:45

Tgt Ion:	172	Resp:	651029
Ion Ratio	Lower	Upper	
172	100		
171	35.6	27.8	41.6
170	23.3	18.9	28.3

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





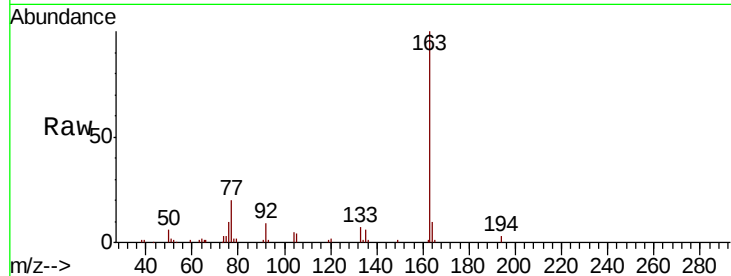
#50
Dimethylphthalate
Concen: 8.477 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.03 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :
RO-1-3

Tot Ion	Ratio	Resp	Lower	Upper
163	100	83286		
194	3.5		2.8	4.2
164	9.8		8.6	12.8

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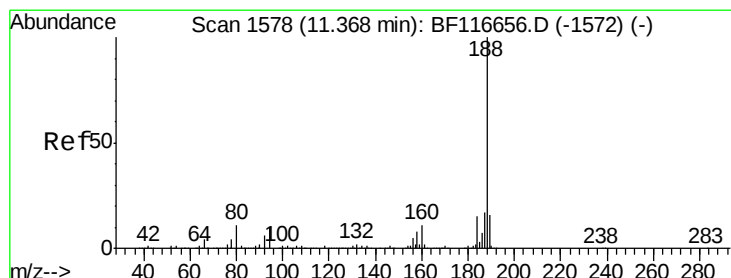
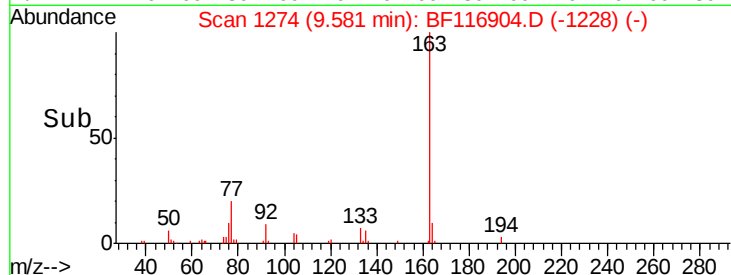
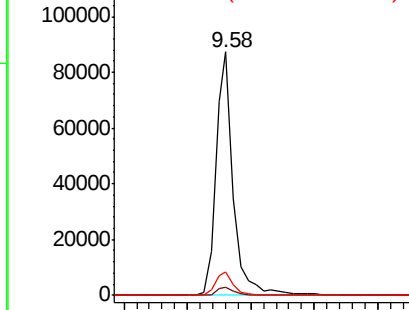


Abundance

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: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

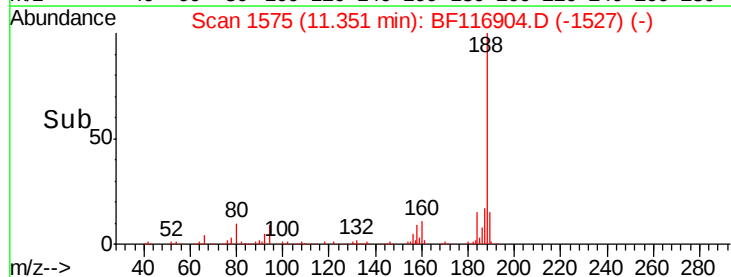
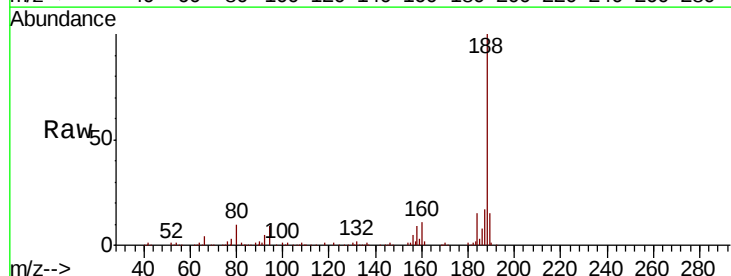
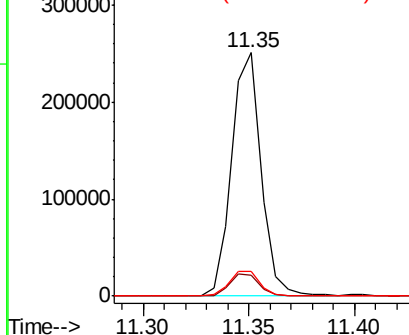
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	241982		
94	8.6		7.3	10.9
80	10.2		8.4	12.6

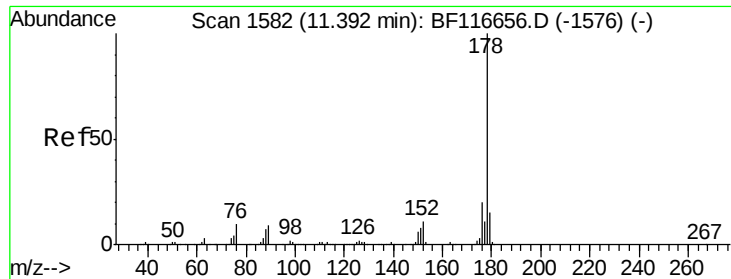
Abundance

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





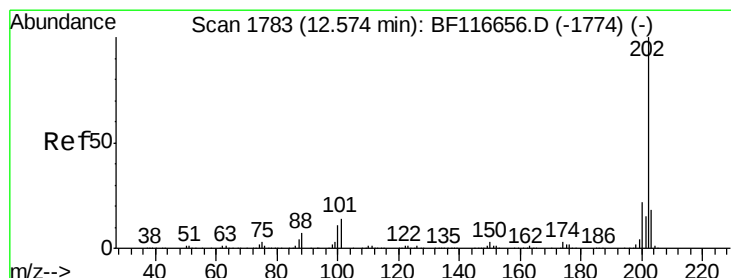
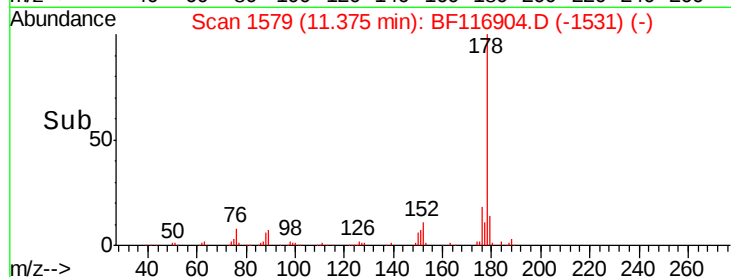
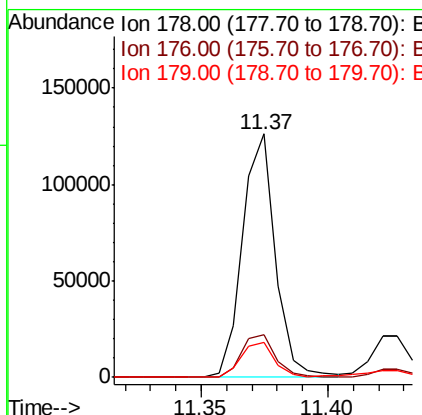
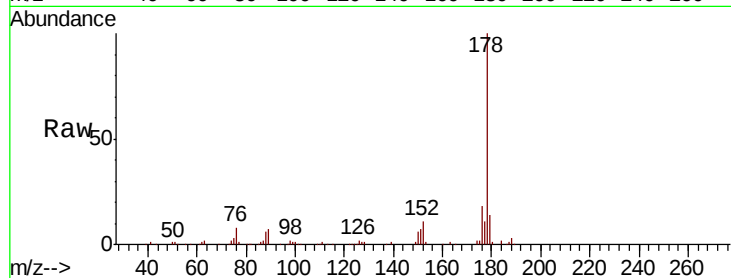
#71
Phenanthrene
Concen: 8.475 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :
RO-1-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.0
179	14.4	12.2	18.2

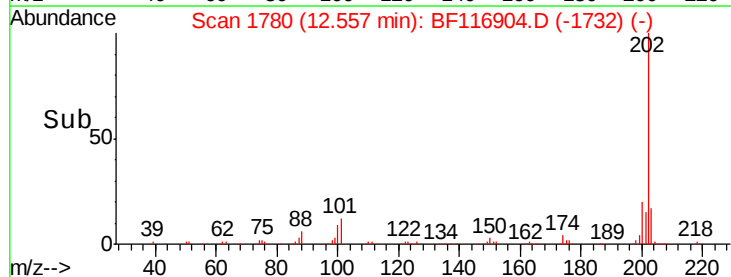
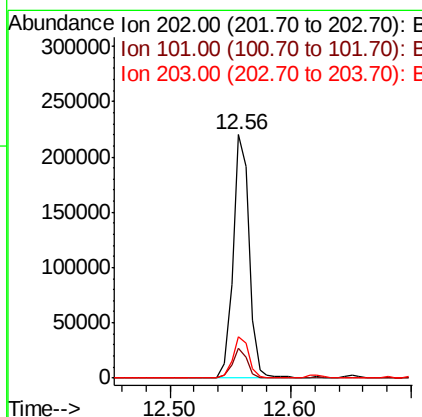
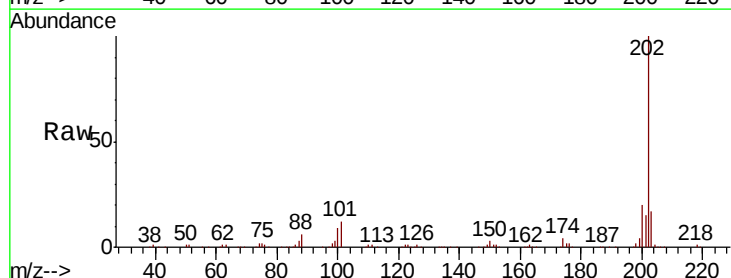
Manual Integrations
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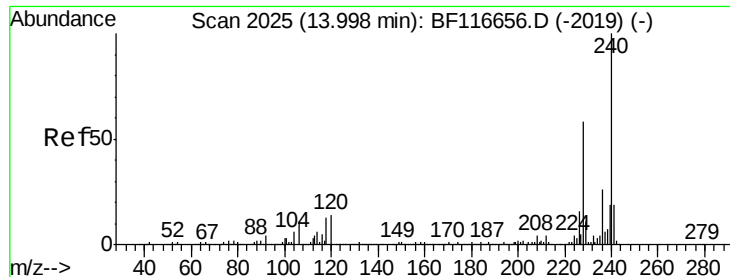
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#75
Fluoranthene
Concen: 15.478 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.02 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.3
203	16.8	0.0	37.6





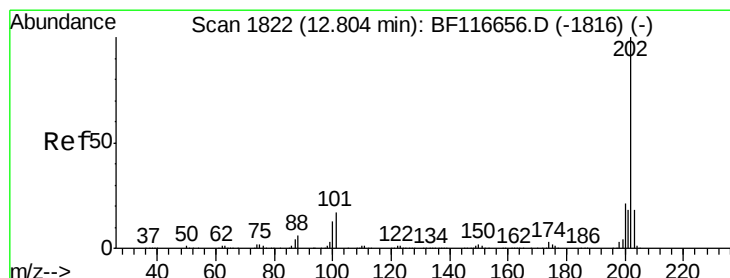
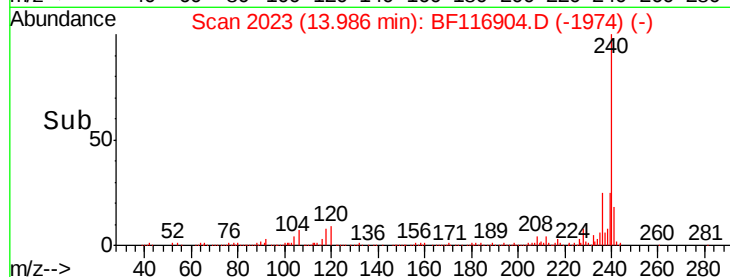
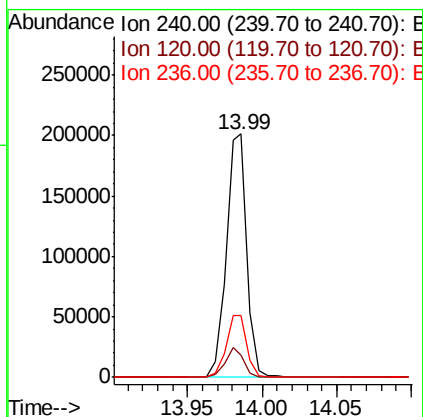
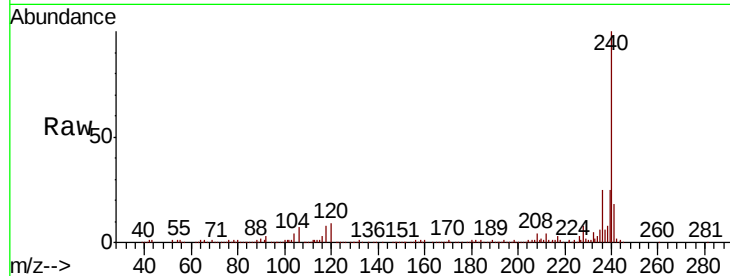
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Instrument :
BNA_F
ClientSampled :
RO-1-3

Tot Ion	Ratio	Resp	Lower	Upper
240	100	194521		
120	9.2		9.1	13.7
236	25.4		21.1	31.7

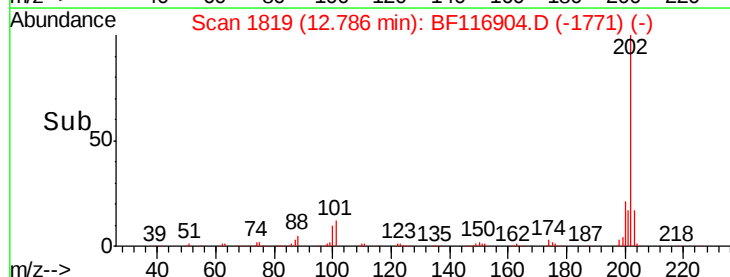
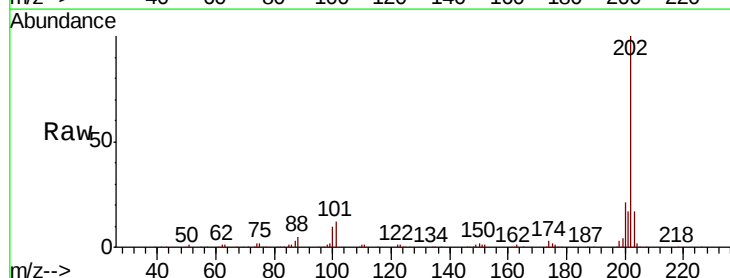
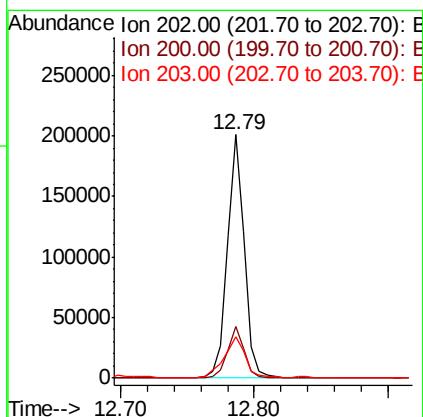
Manual Integrations
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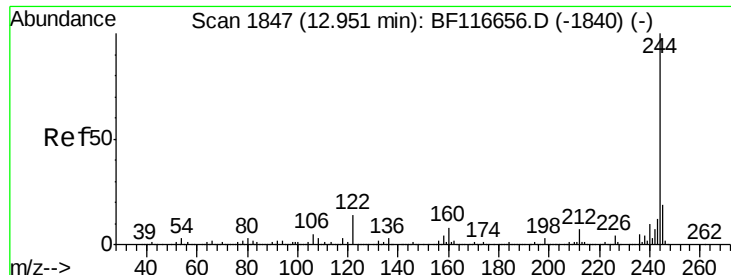
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#78
Pyrene
Concen: 10.458 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.02 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	180832		
200	21.3		16.5	24.7
203	17.2		13.7	20.5





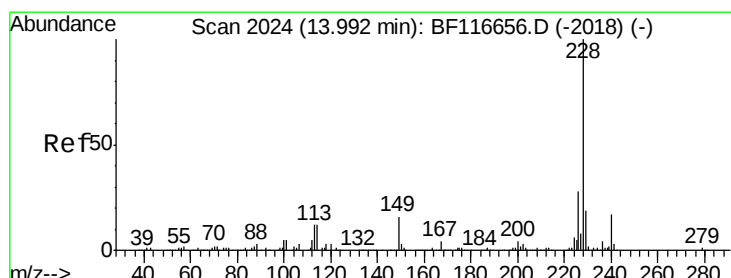
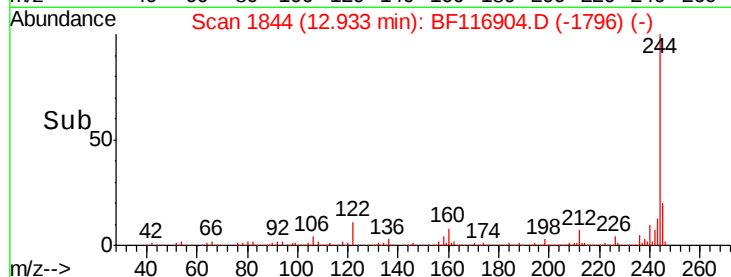
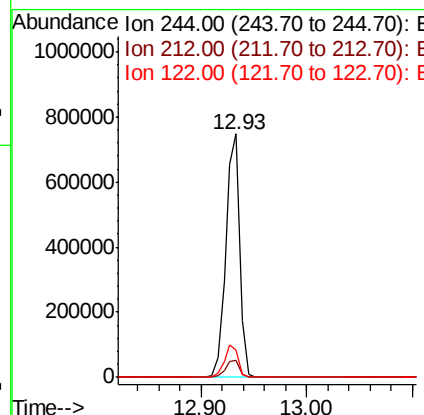
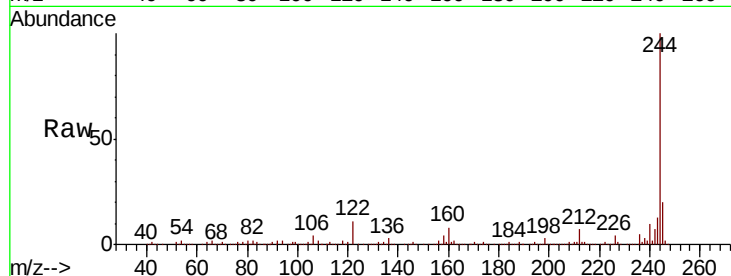
#79
 Terphenyl-d14
 Concen: 65.744 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF116904.D
 Acq: 9 Sep 2019 18:45

Instrument :
 BNA_F
 ClientSampleID :
 RO-1-3

Tot Ion	Ratio	Resp	Lower	Upper
244	100	691295		
212	7.0	6.1	9.1	
122	11.3	10.2	15.4	

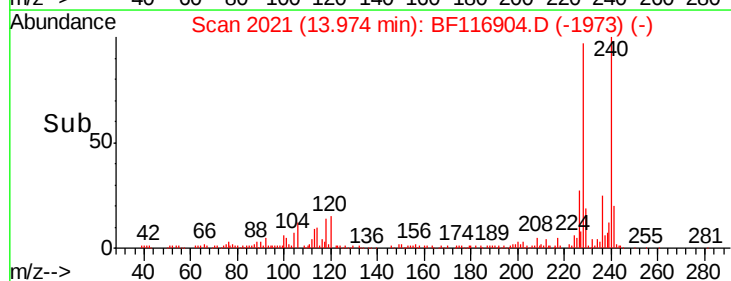
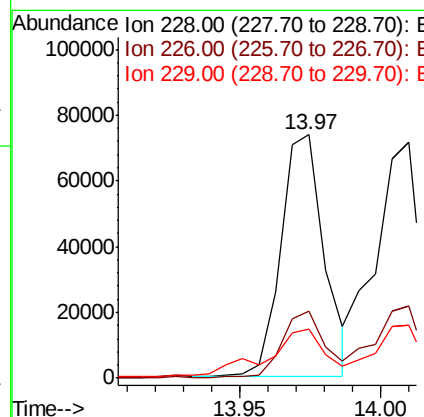
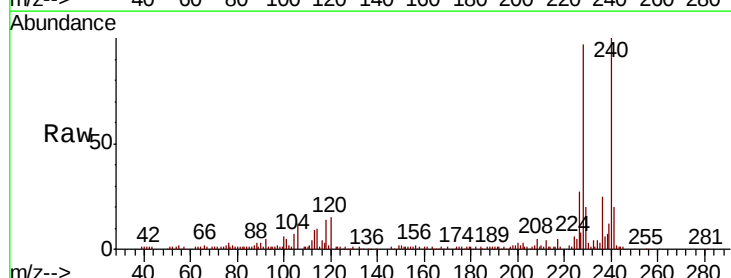
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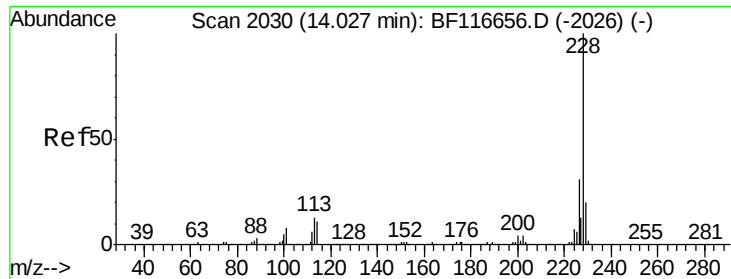
mohammad
 9/12/2019 9:28:05 AM



#81
 Benzo(a)anthracene
 Concen: 6.391 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF116904.D
 Acq: 9 Sep 2019 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	78675		
226	27.7	22.0	33.0	
229	20.0	16.4	24.6	





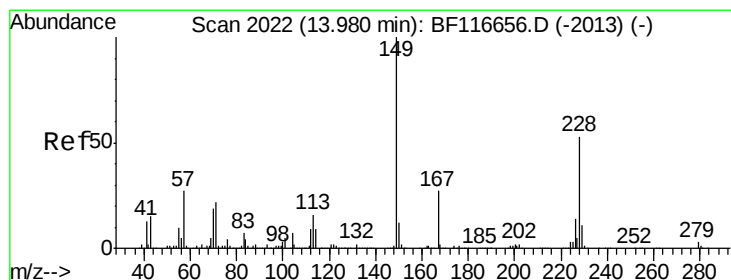
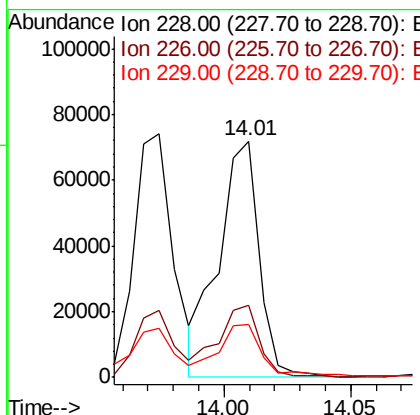
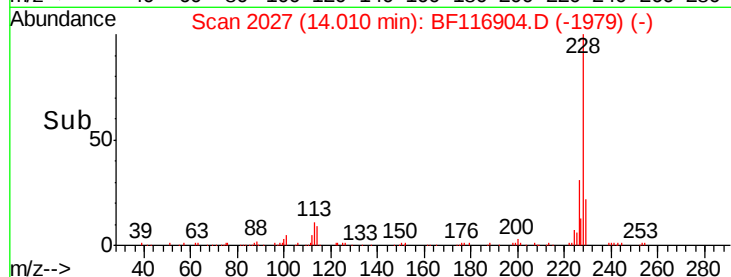
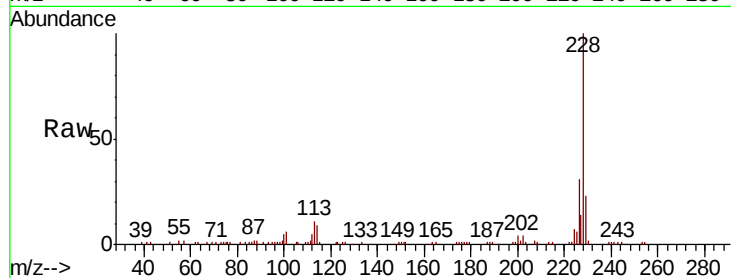
#83
 Chrvsene
 Concen: 6.313 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF116904.D
 Acq: 9 Sep 2019 18:45

Instrument :
 BNA_F
 ClientSampled :
 RO-1-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	22.6	15.4	23.0

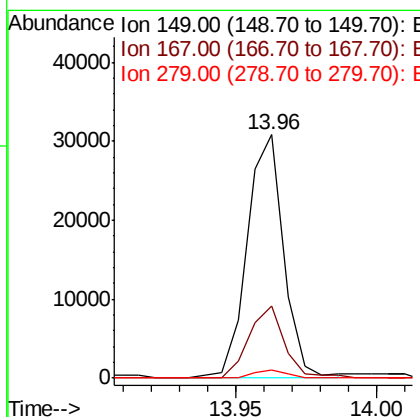
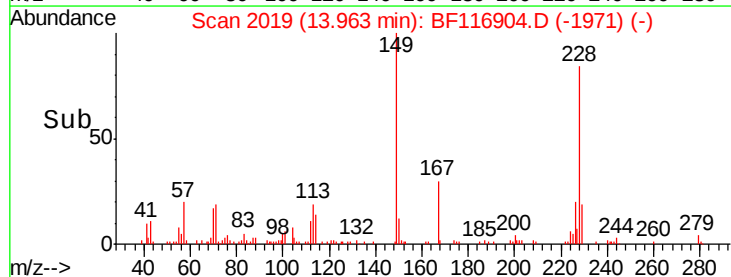
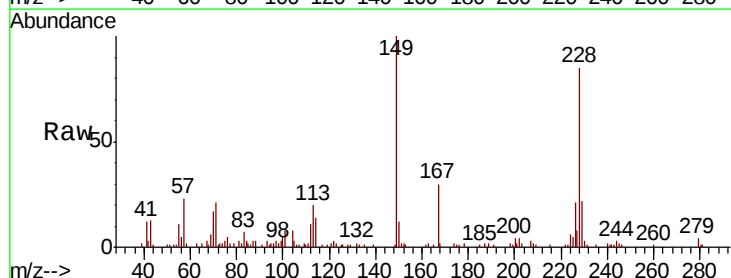
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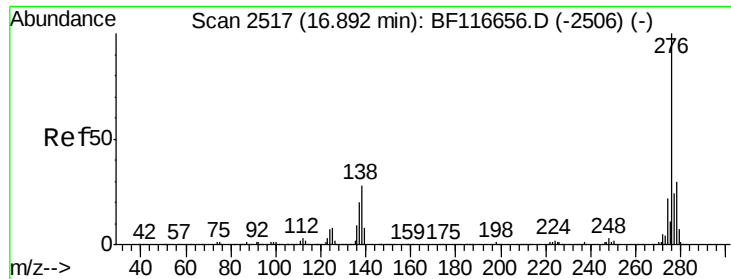
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.672 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.02 min
 Lab File: BF116904.D
 Acq: 9 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.8	21.0	31.4
279	3.5	2.8	4.2





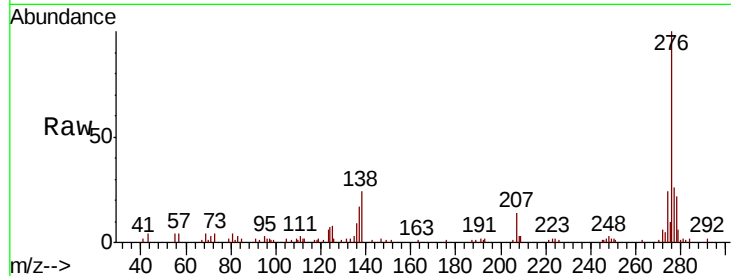
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.341 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :
RO-1-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.7	19.4	29.2
277	26.1	20.5	30.7

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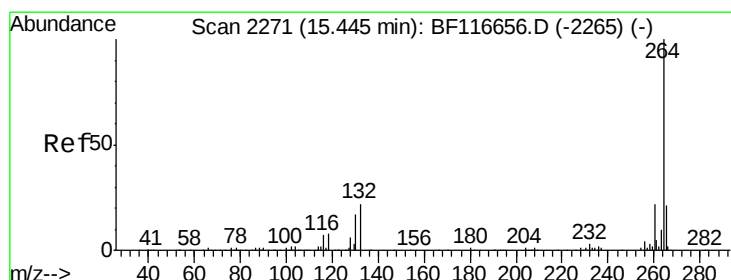
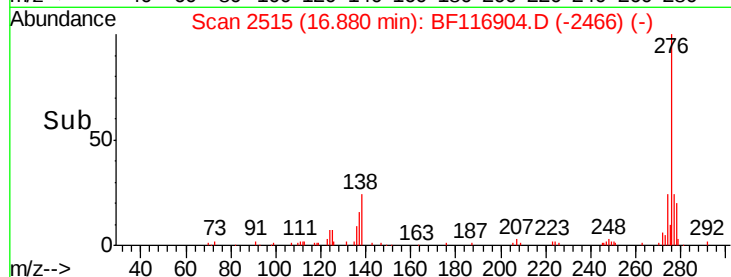
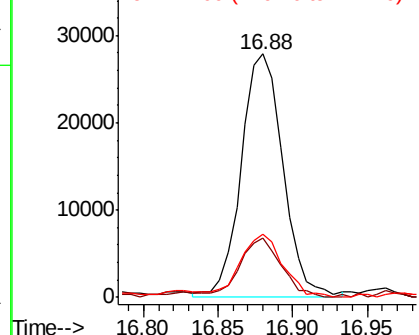


Abundance

Ion 276.00 (275.70 to 276.70): E

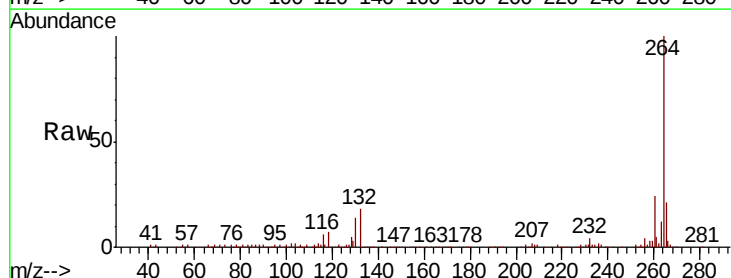
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	21.2	16.5	24.7

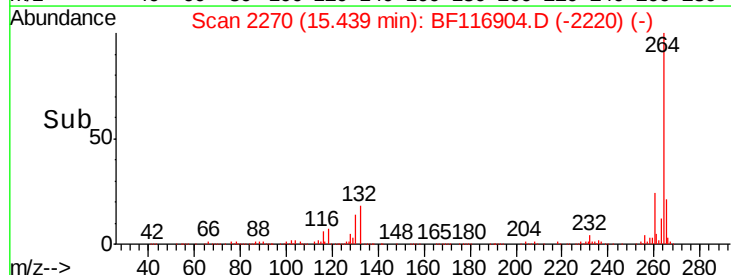
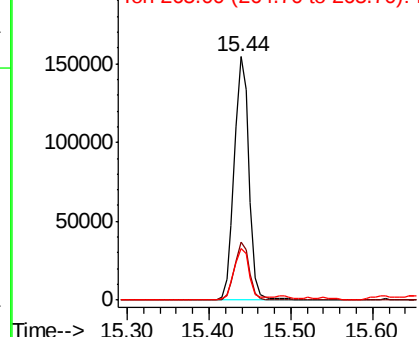


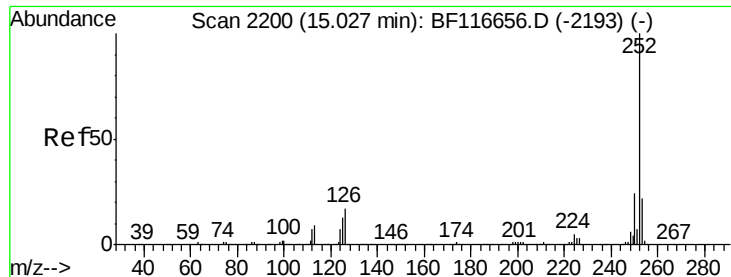
Abundance

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





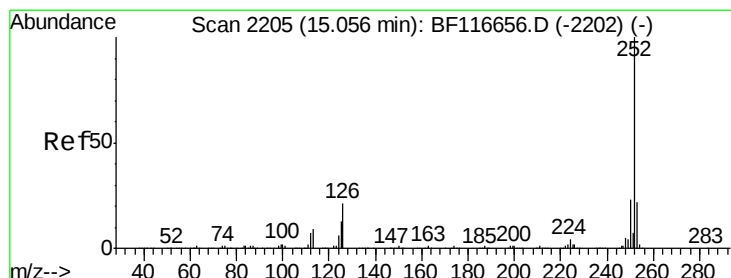
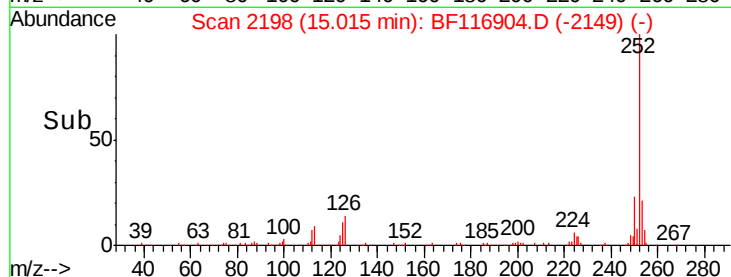
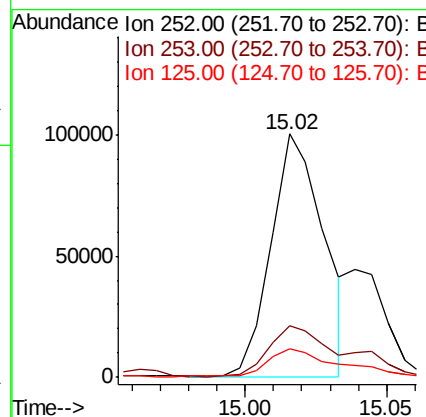
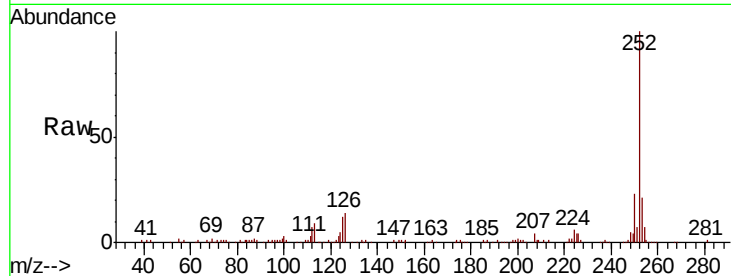
#88
Benzo(b)fluoranthene
Concen: 11.338 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Instrument :
BNA_F
ClientSampled :
RO-1-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.7	26.5
125	11.8	8.2	12.2

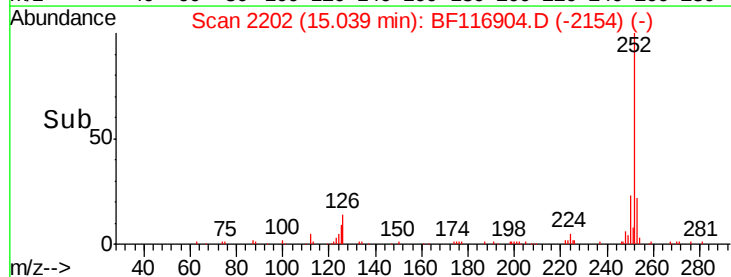
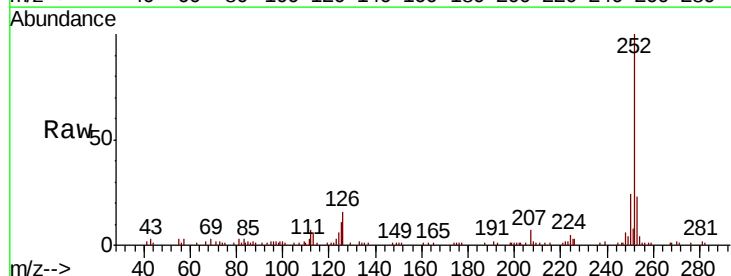
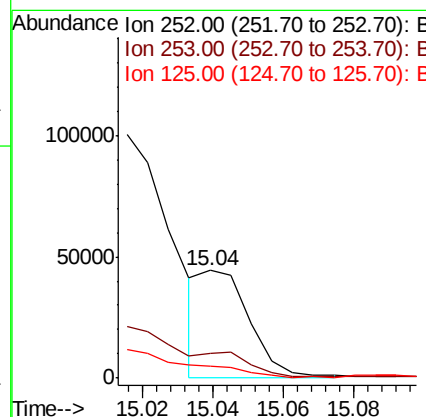
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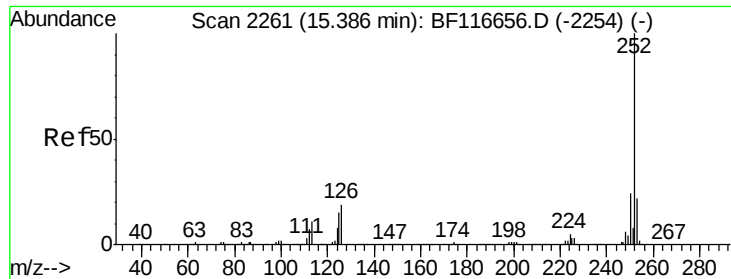
mohammad
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#89
Benzo(k)fluoranthene
Concen: 3.959 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	11.3	8.6	13.0





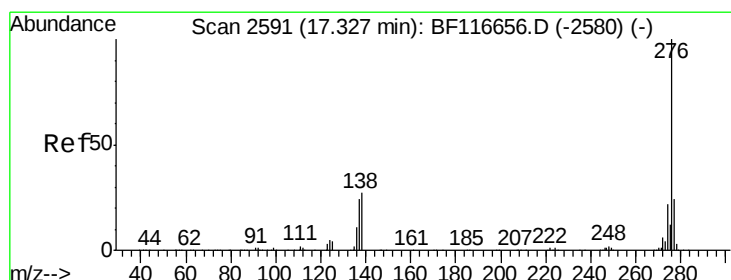
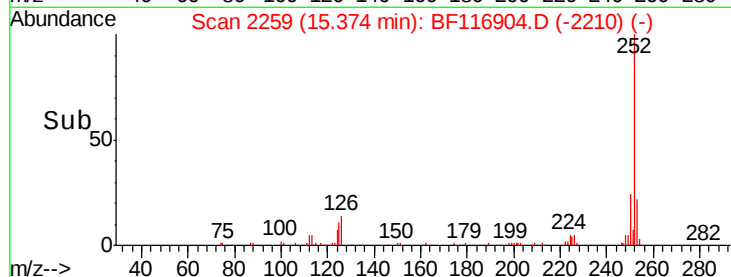
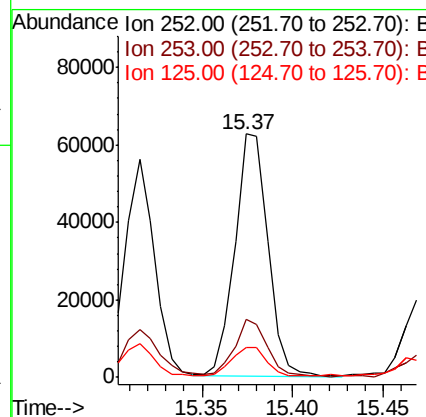
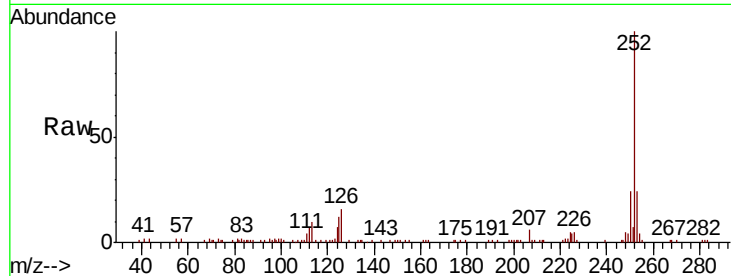
#90
Benzo(a)pyrene
Concen: 7.835 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Instrument :
BNA_F
ClientSampleId :
RO-1-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		80131		
253	23.6	18.1	27.1		
125	12.3	9.8	14.8		

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.660 ng
RT: 17.32 min Scan# 2589
Delta R.T. -0.01 min
Lab File: BF116904.D
Acq: 9 Sep 2019 18:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		51671		
277	23.9	18.5	27.7		
138	24.7	16.2	24.2		

