

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116530.D
 Acq On : 25 Aug 2019 14:26
 Operator : HP/JU
 Sample : K4475-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T1-2-D

Manual Integrations
 APPROVED

mohammad
 8/29/2019 7:53:05 AM

Quant Time: Aug 26 07:17:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	150343	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	570903	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	273169	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	404961	20.00	ng	0.00
76) Chrysene-d12	14.03	240	213075	20.00	ng	0.00
87) Perylene-d12	15.50	264	228697	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	854492	83.05	ng	0.01
7) Phenol-d6	6.52	99	1146092	90.84	ng	0.01
23) Nitrobenzene-d5	7.44	82	734988	70.43	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	166358	70.92	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1138248	67.10	ng	0.00
79) Terphenyl-d14	12.98	244	821709	72.03	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.63	163	142444	7.474	ng	99
71) Phenanthrene	11.42	178	48812	2.213	ng	97
75) Fluoranthene	12.60	202	87464	3.835	ng	99
78) Pyrene	12.83	202	75130	4.409	ng	99
81) Benzo(a)anthracene	14.02	228	32655	2.366	ng	97
83) Chrysene	14.05	228	28655m	2.049	ng	
88) Benzo(b)fluoranthene	15.07	252	38623m	2.734	ng	
90) Benzo(a)pyrene	15.43	252	25440	2.037	ng	# 80

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

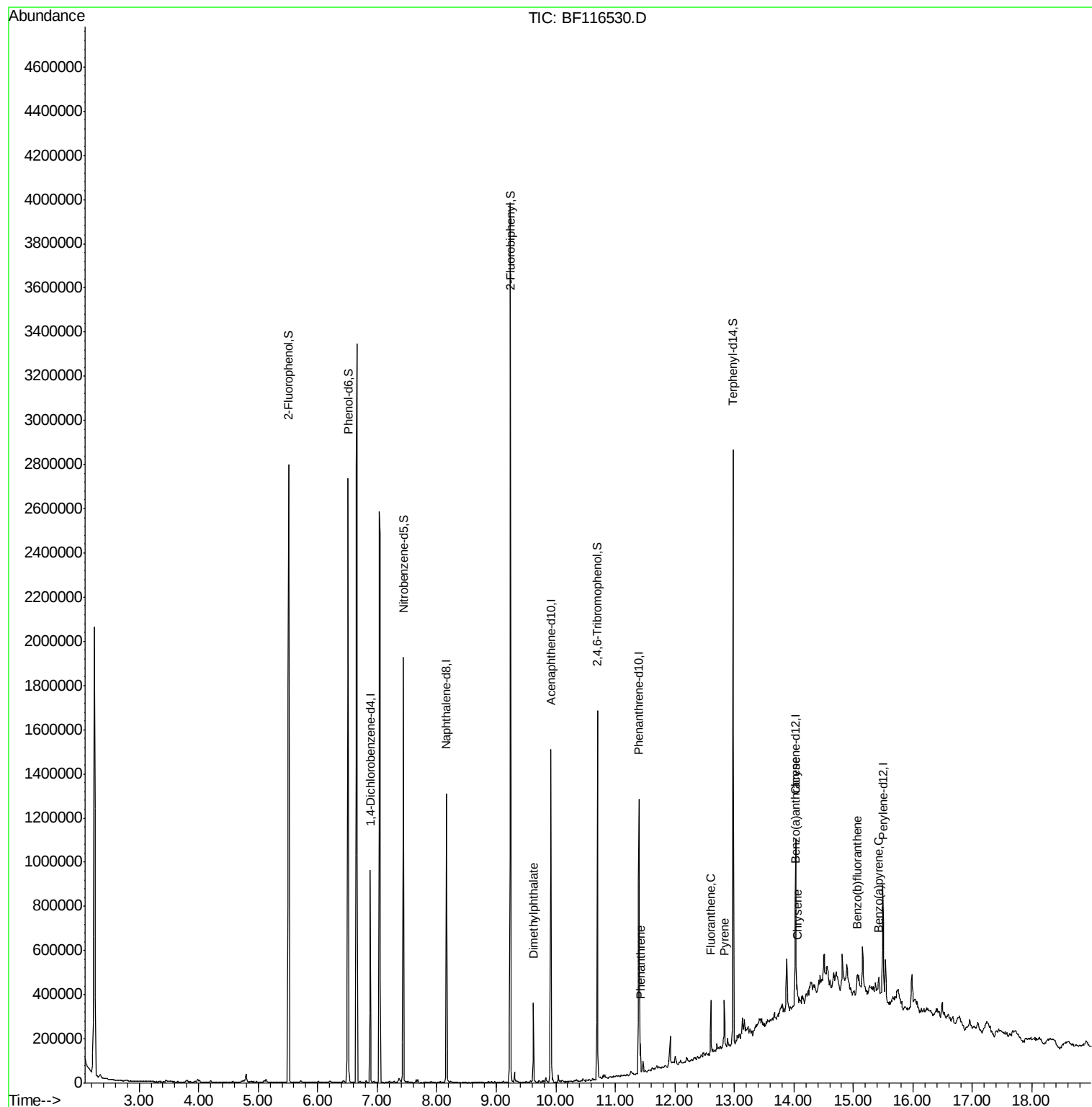
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116530.D
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Operator : HP/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

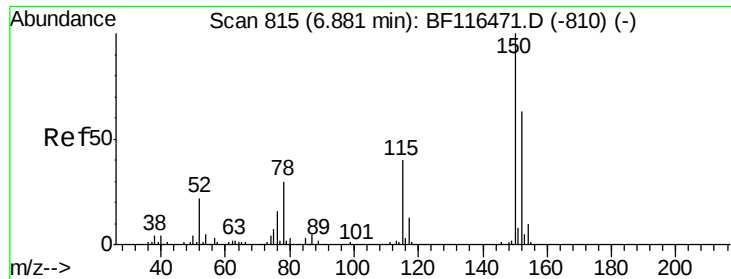
Instrument :
BNA_F
ClientSampleId :
T1-2-D

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#1

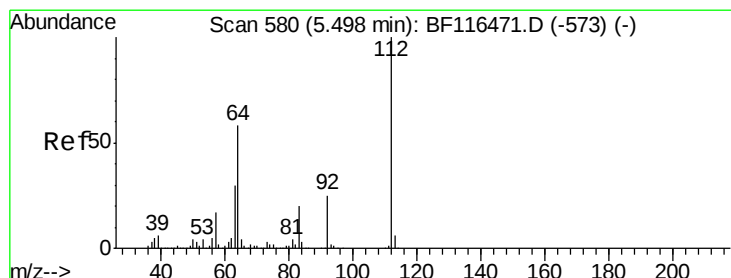
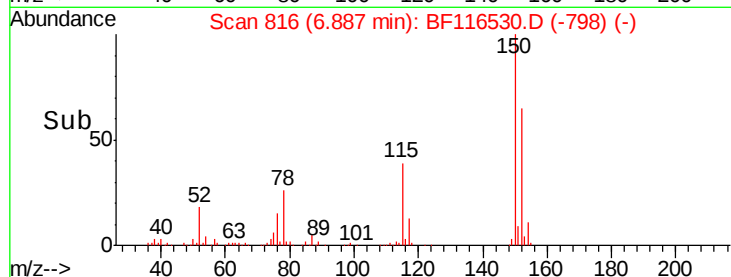
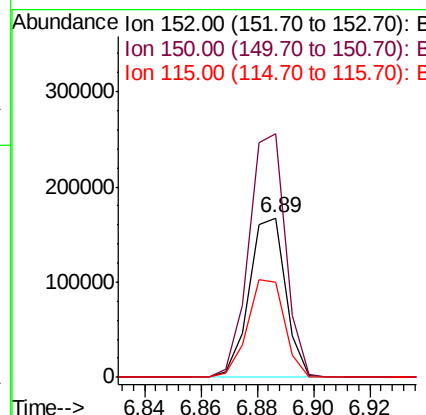
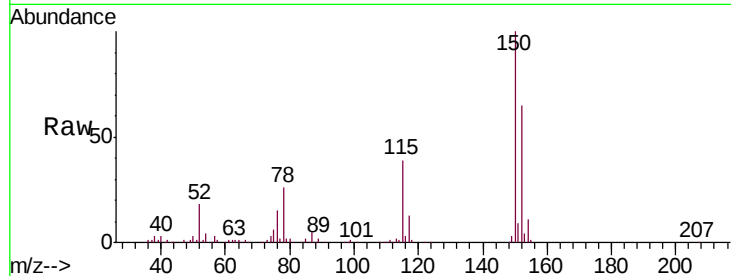
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116530.D
Acq: 25 Aug 2019 14:26

Instrument :
BNA_F
ClientSampleId :
T1-2-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	126.7	190.1
115	59.5	50.9	76.3

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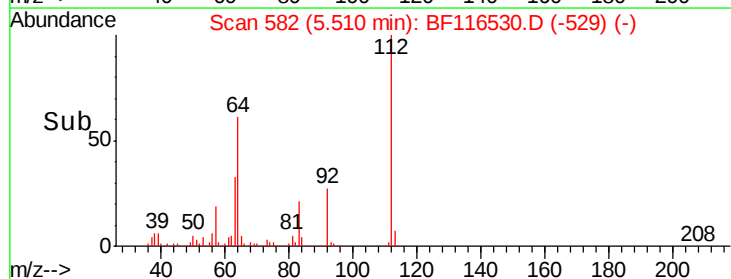
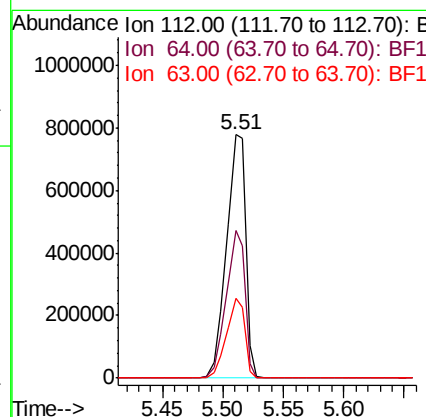
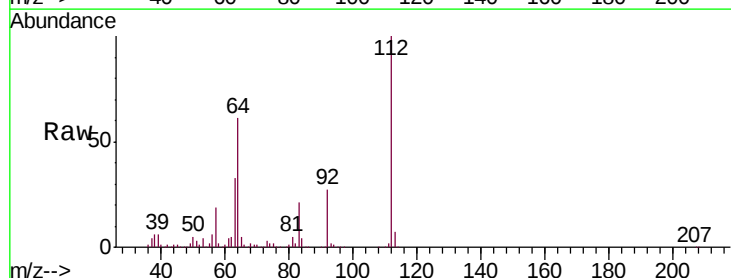
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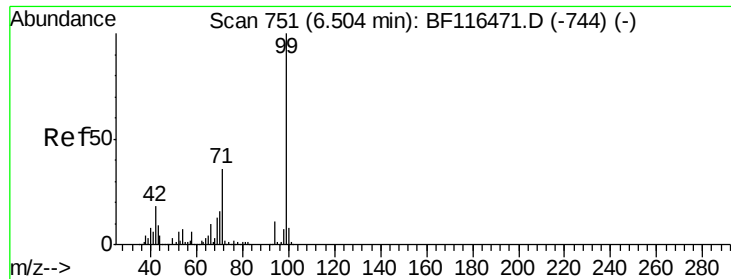


#5

2-Fluorophenol
Concen: 83.046 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116530.D
Acq: 25 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	46.3	69.5
63	32.9	24.2	36.4





#7

Phenol-d6

Concen: 90.842 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF116530.D

Acq: 25 Aug 2019 14:26

Instrument :

BNA_F

ClientSampleId :

T1-2-D

Tot Ion: 99 Resp: 1146092

Ion Ratio Lower Upper

99 100

42 16.9 14.6 21.8

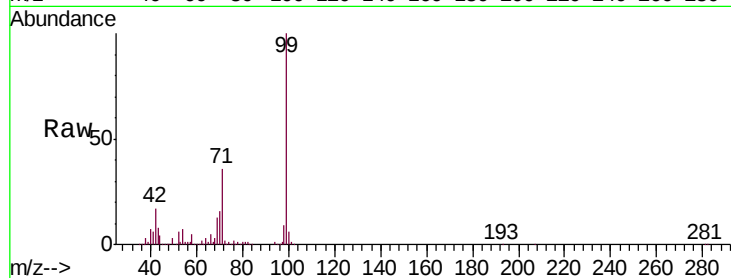
71 35.9 28.5 42.7

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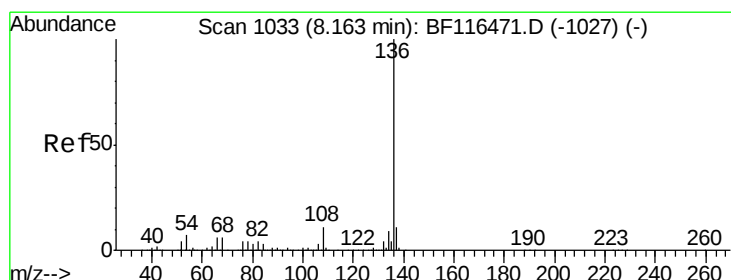
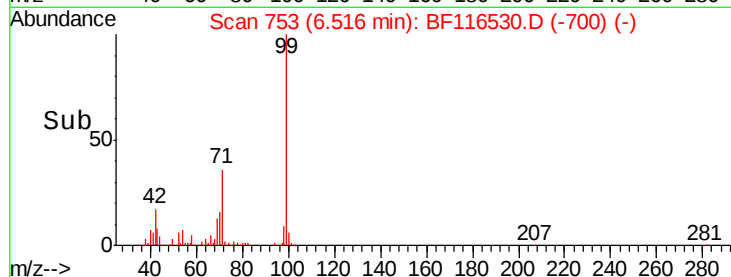
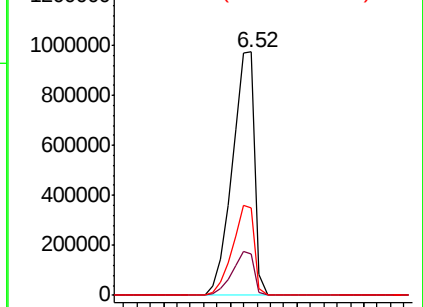
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116530.D

Acq: 25 Aug 2019 14:26

Tgt Ion: 136 Resp: 570903

Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.9 5.8 8.6

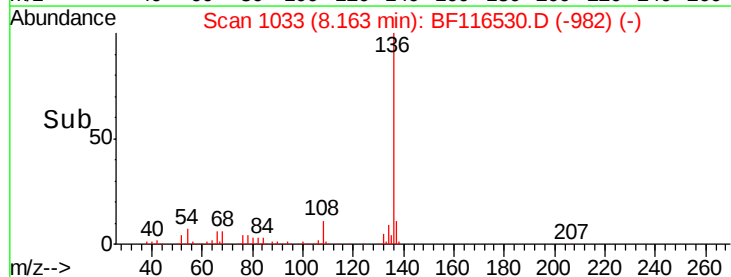
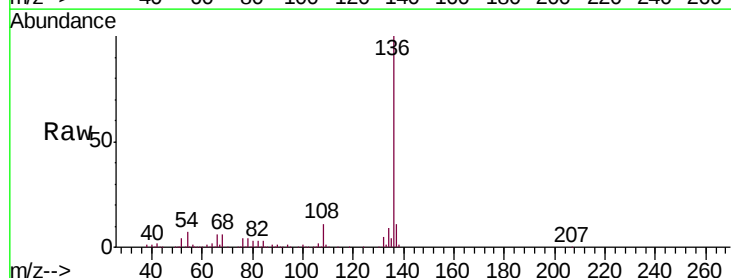
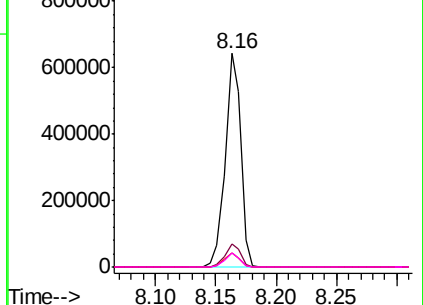
68 6.4 5.1 7.7

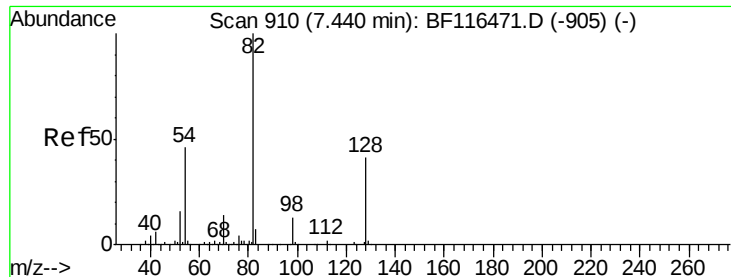
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 70.434 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116530.D

Acq: 25 Aug 2019 14:26

Instrument :

BNA_F

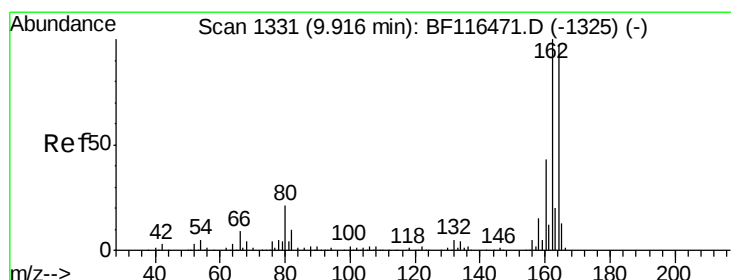
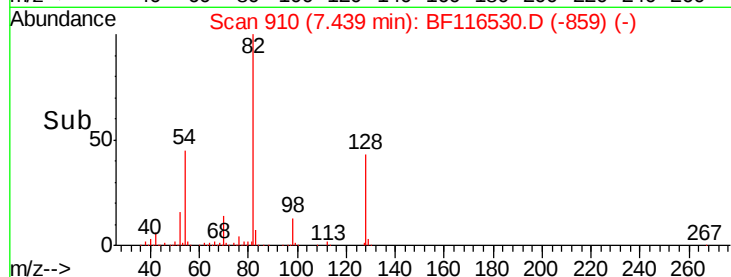
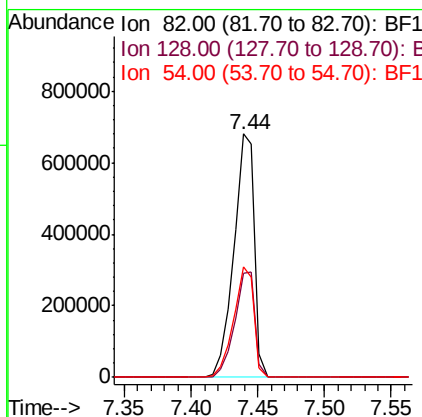
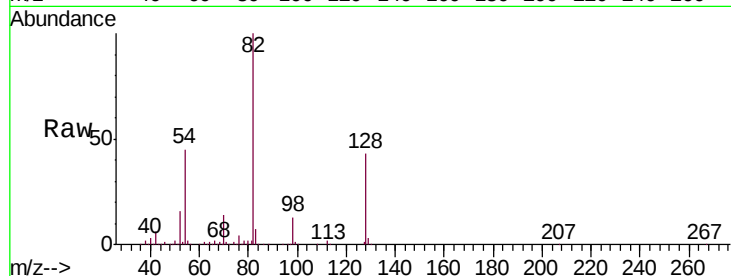
ClientSampled :

T1-2-D

Tot Ion:	82	Resp:	734988
Ion Ratio	Lower	Upper	
82	100		
128	42.7	32.2	48.4
54	45.5	36.5	54.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

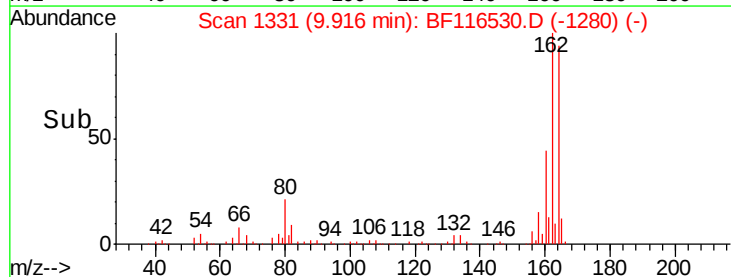
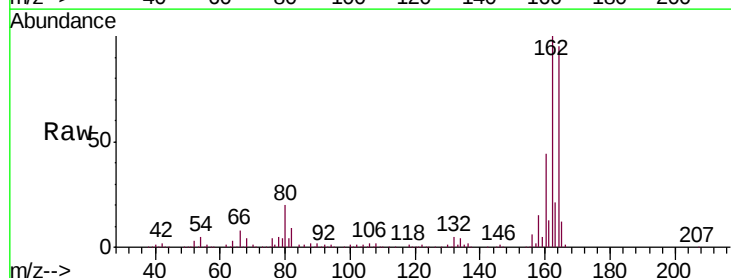
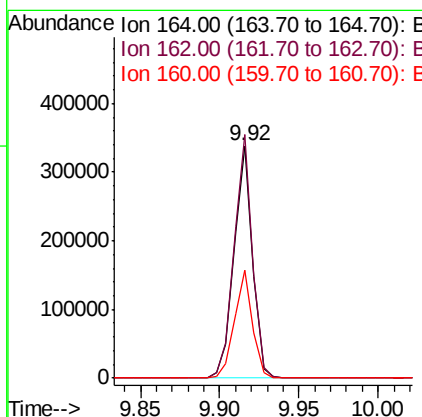
RT: 9.92 min Scan# 1331

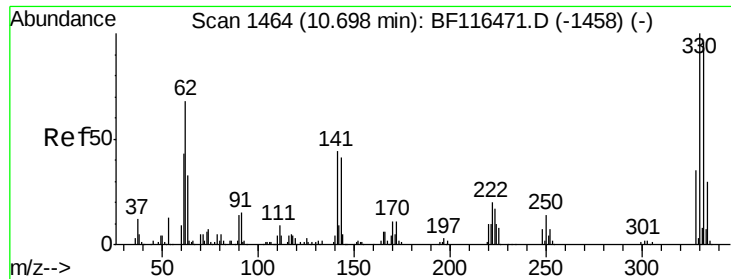
Delta R.T. -0.00 min

Lab File: BF116530.D

Acq: 25 Aug 2019 14:26

Tgt Ion:	164	Resp:	273169
Ion Ratio	Lower	Upper	
164	100		
162	104.8	82.6	123.8
160	46.4	35.8	53.8





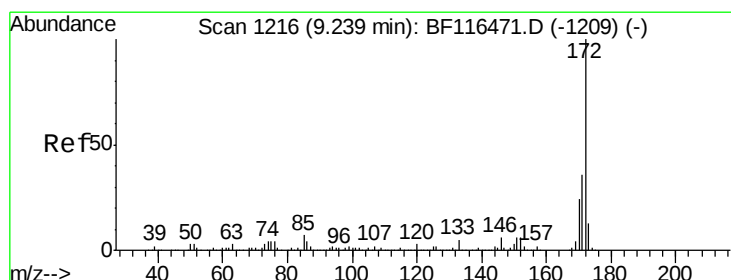
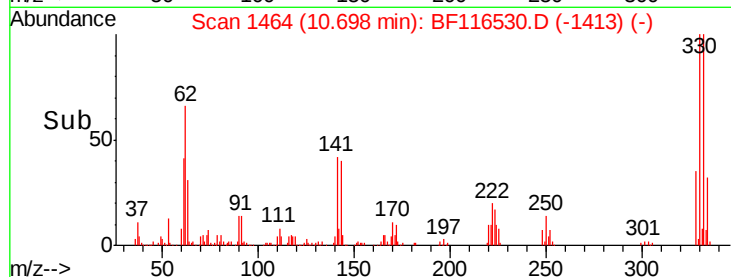
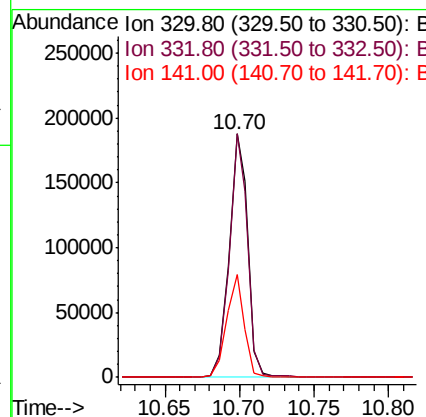
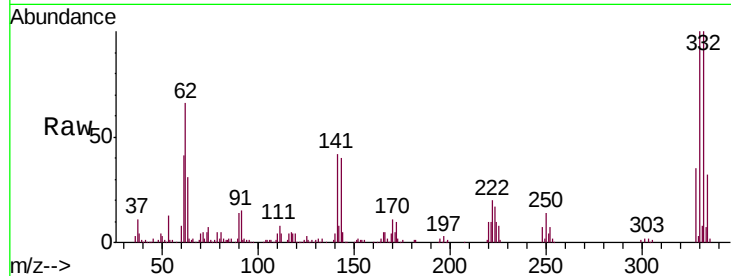
#42
 2,4,6-Tribromophenol
 Concen: 70.923 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116530.D
 Acq: 25 Aug 2019 14:26

Instrument :
 BNA_F
 ClientSampled :
 T1-2-D

Tot Ion	Ratio	Resp	Lower	Upper
330	100	166358		
332	97.4	77.2	115.8	
141	40.1	33.3	49.9	

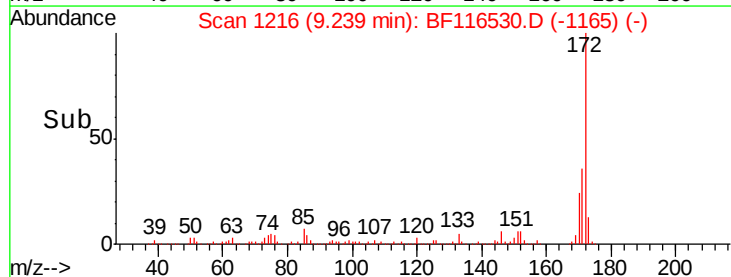
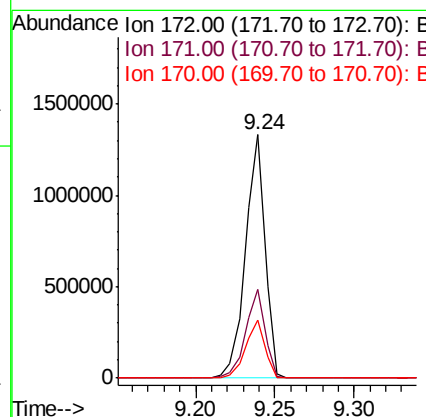
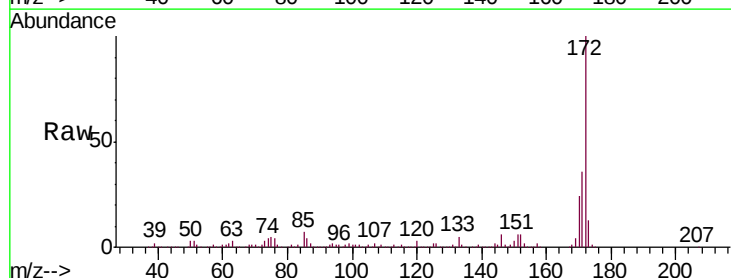
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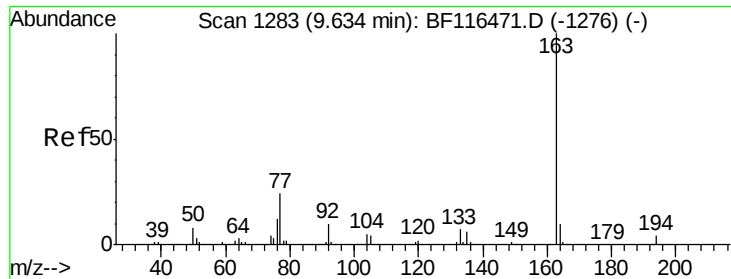
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#45
 2-Fluorobiphenyl
 Concen: 67.103 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116530.D
 Acq: 25 Aug 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1138248		
171	36.3	28.9	43.3	
170	23.7	19.4	29.0	





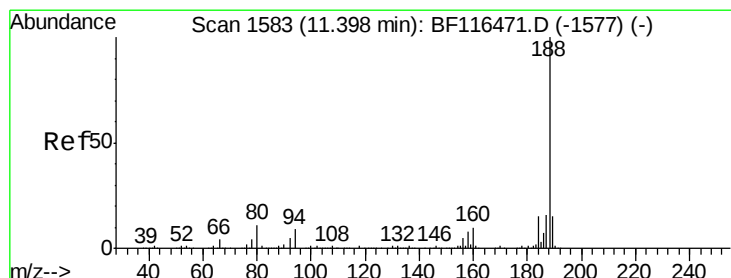
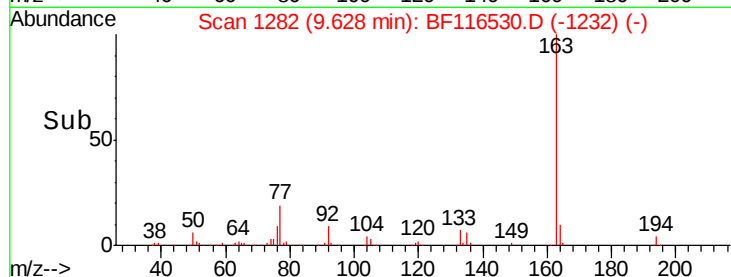
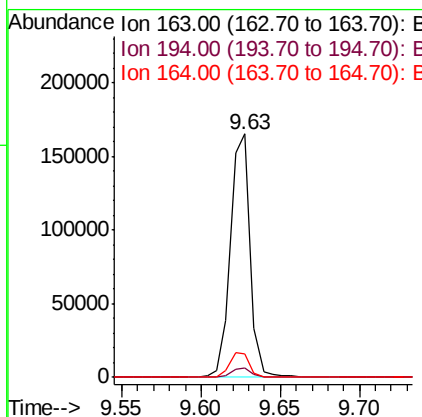
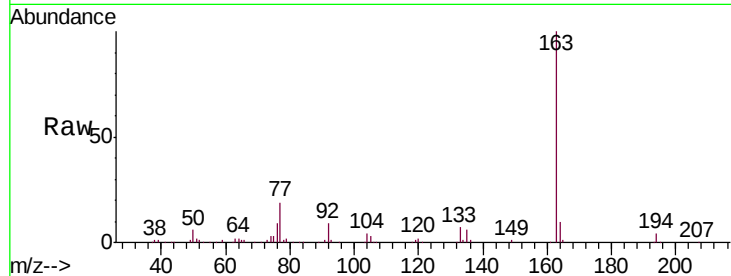
#50
Dimethylphthalate
Concen: 7.474 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116530.D
Acq: 25 Aug 2019 14:26

Instrument :
BNA_F
ClientSampleId :
T1-2-D

Tot Ion	Ratio	Resp	Lower	Upper
163	100	142444		
194	3.9		2.9	4.3
164	9.6		8.2	12.2

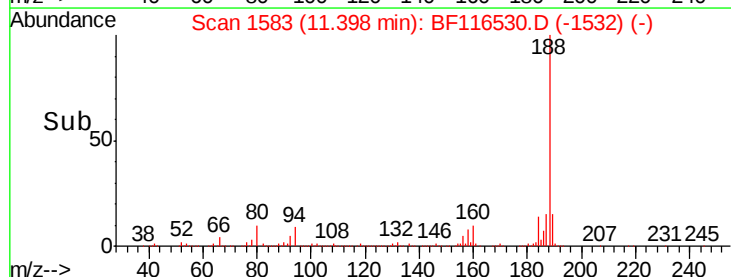
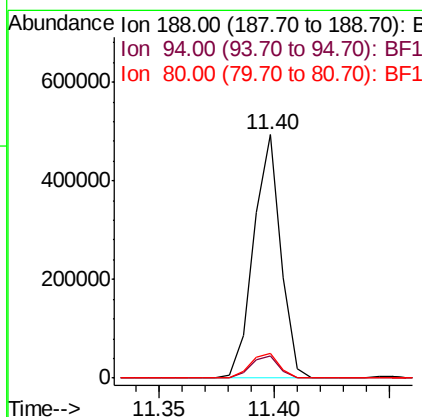
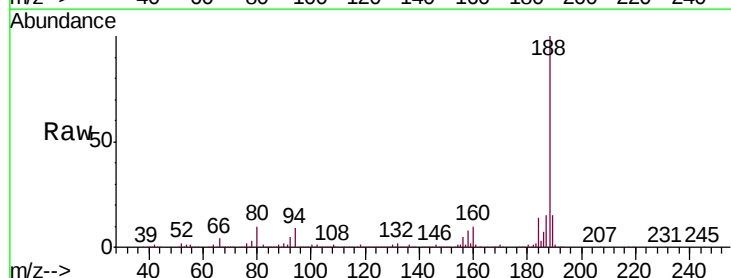
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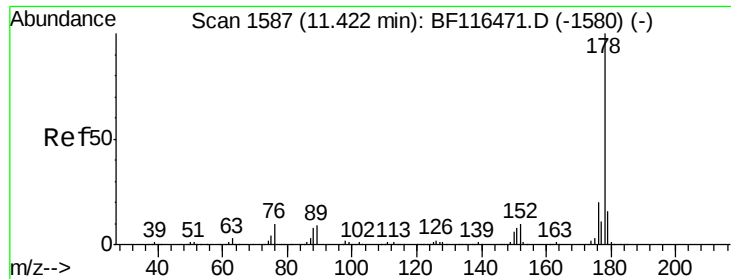
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116530.D
Acq: 25 Aug 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	404961		
94	9.1		7.4	11.2
80	10.0		8.6	12.8





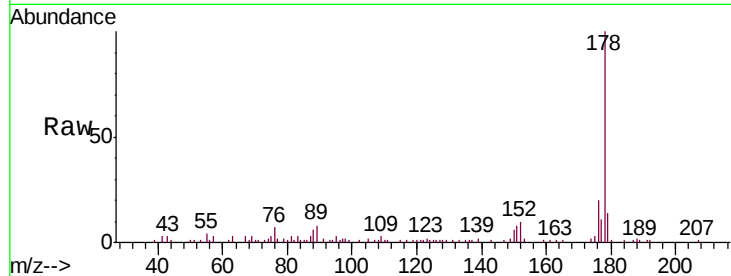
#71
Phenanthrene
Concen: 2.213 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116530.D
Acq: 25 Aug 2019 14:26

Instrument :
BNA_F
ClientSampleId :
T1-2-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.6
179	14.2	12.8	19.2

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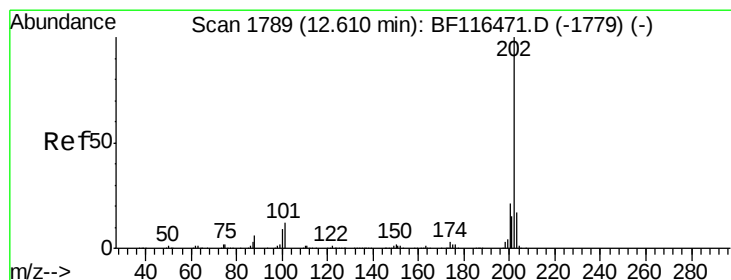
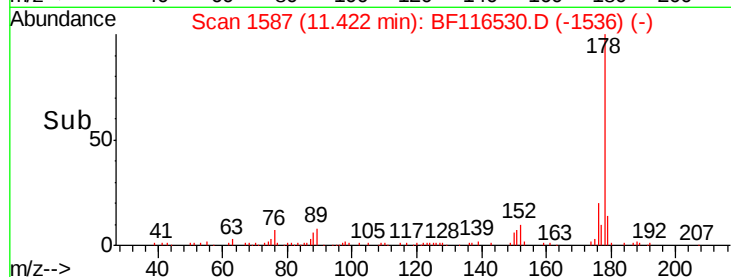
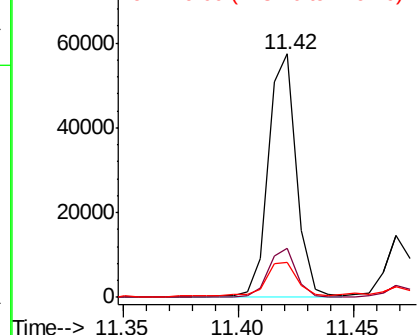


Abundance

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: 3.835 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.01 min
Lab File: BF116530.D
Acq: 25 Aug 2019 14:26

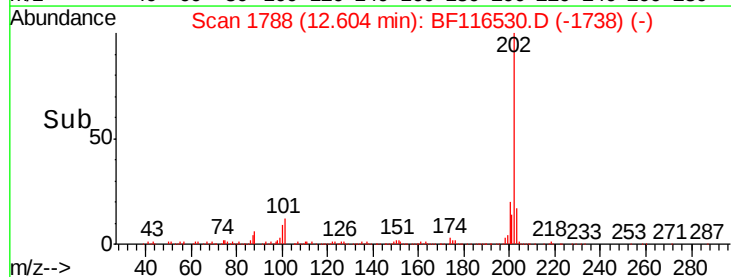
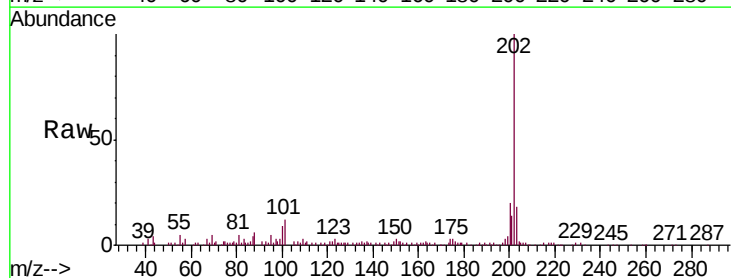
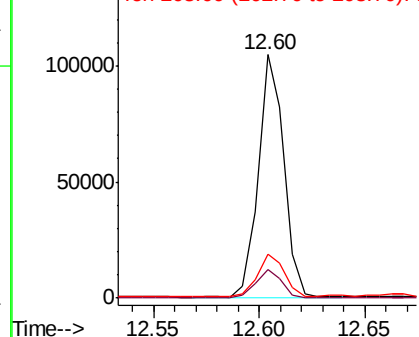
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.5
203	18.1	0.0	37.5

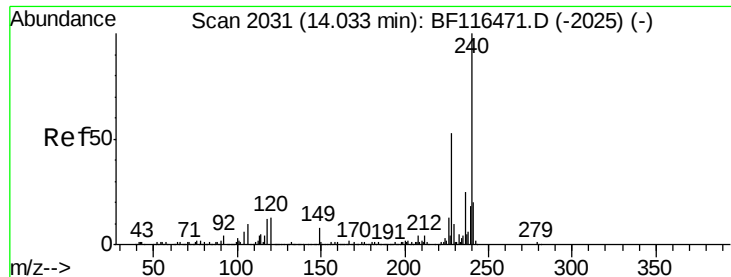
Abundance

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: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF116530.D

Acq: 25 Aug 2019 14:26

Instrument :

BNA_F

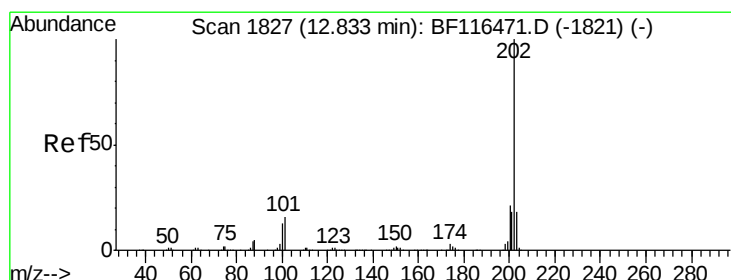
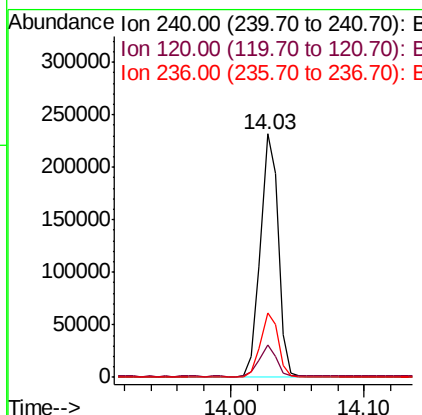
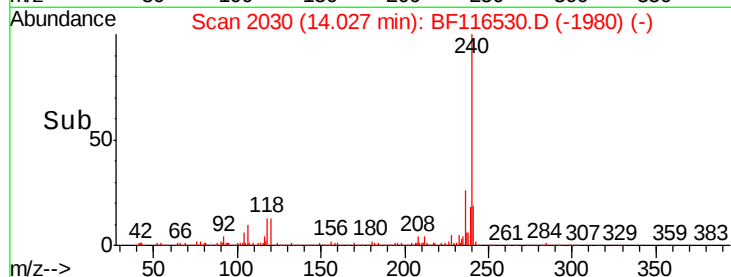
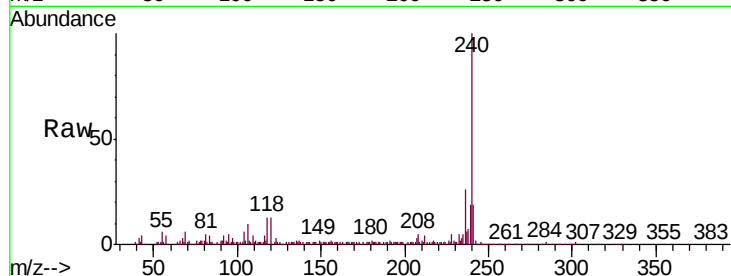
ClientSampleId :

T1-2-D

Tot Ion:	240	Resp:	213075
Ion Ratio	Lower	Upper	
240	100		
120	13.4	10.5	15.7
236	26.3	20.2	30.2

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#78

Pyrene

Concen: 4.409 ng

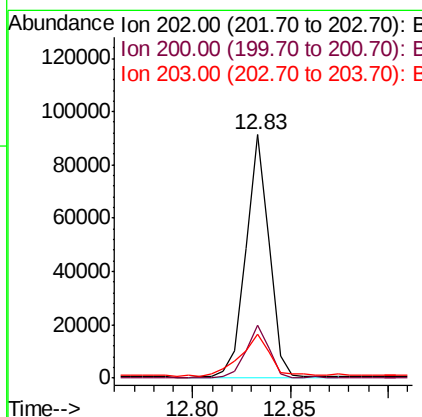
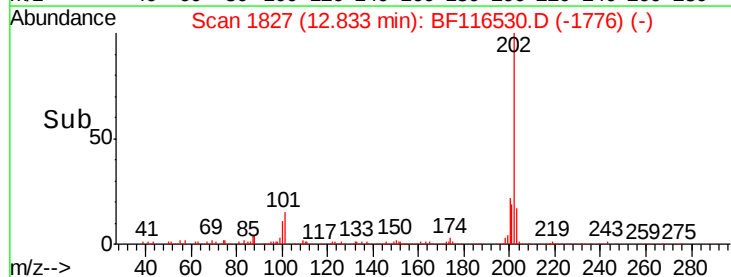
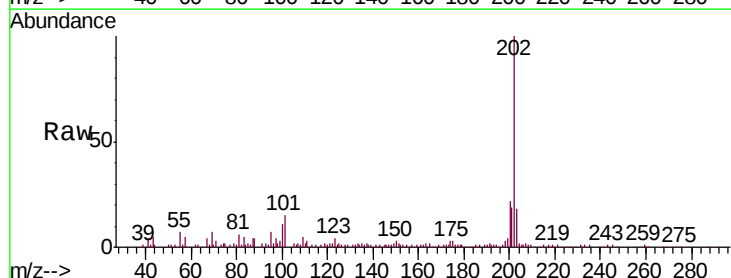
RT: 12.83 min Scan# 1827

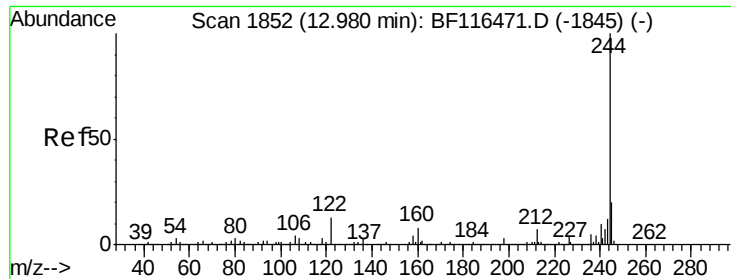
Delta R.T. -0.00 min

Lab File: BF116530.D

Acq: 25 Aug 2019 14:26

Tgt Ion:	202	Resp:	75130
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.0	25.4
203	18.1	14.2	21.4





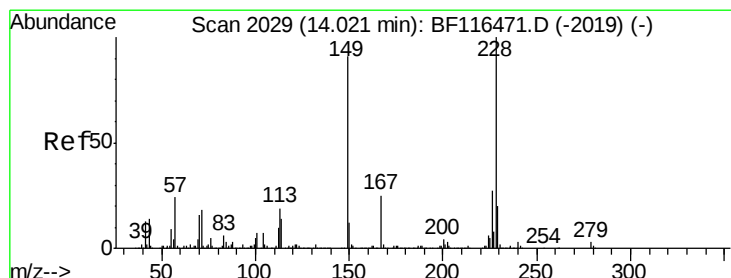
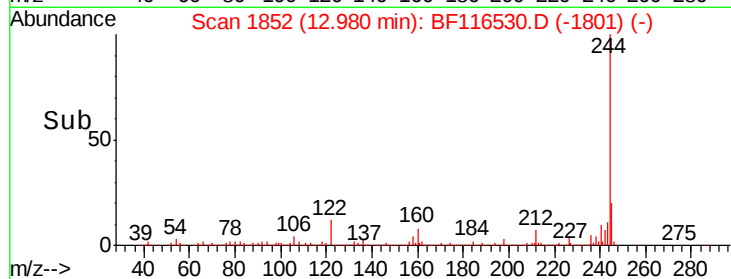
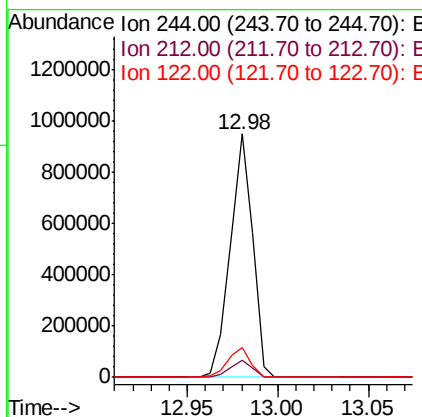
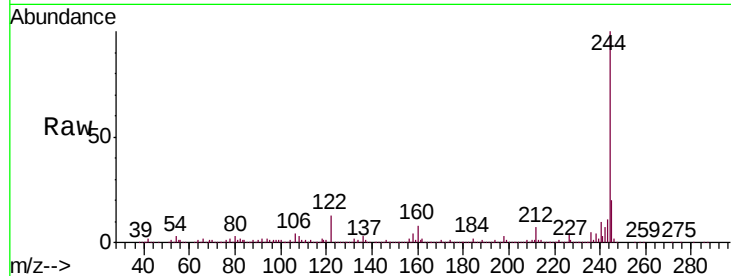
#79
 Terphenyl-d14
 Concen: 72.034 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BF116530.D
 Acq: 25 Aug 2019 14:26

Instrument :
 BNA_F
 ClientSampleId :
 T1-2-D

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	12.5	10.2	15.4

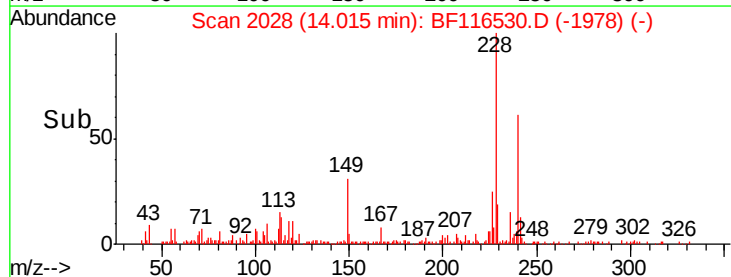
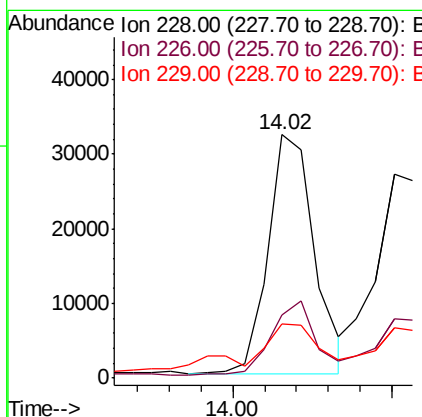
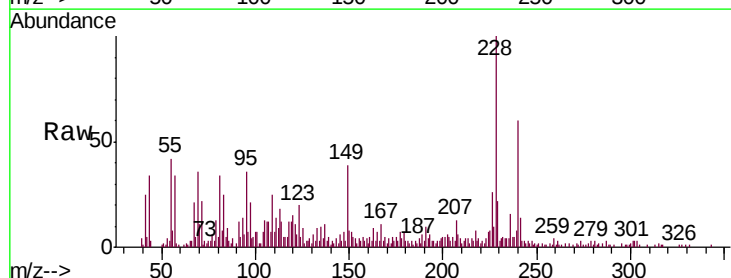
Manual Integrations
 APPROVED

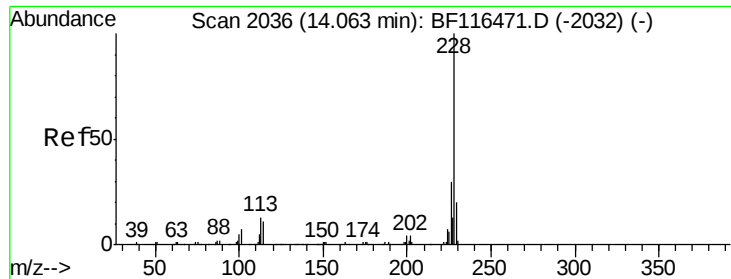
mohammad
 8/29/2019 7:53:05 AM



#81
 Benzo(a)anthracene
 Concen: 2.366 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF116530.D
 Acq: 25 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.8	32.6
229	22.0	15.9	23.9





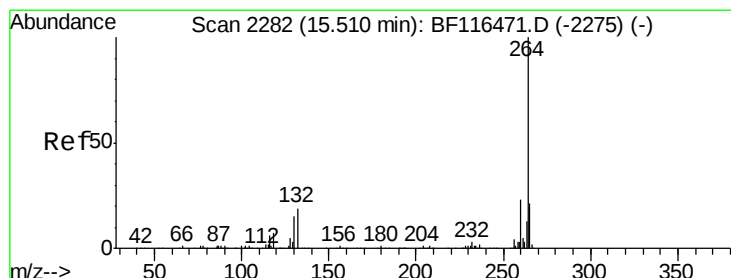
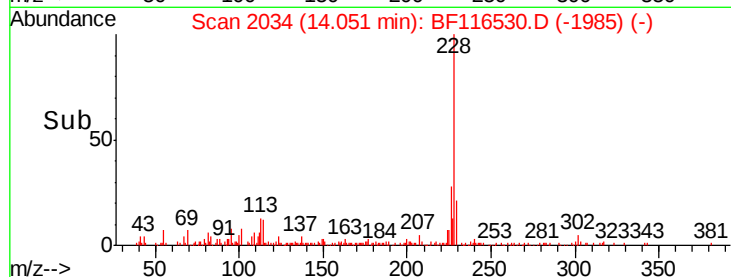
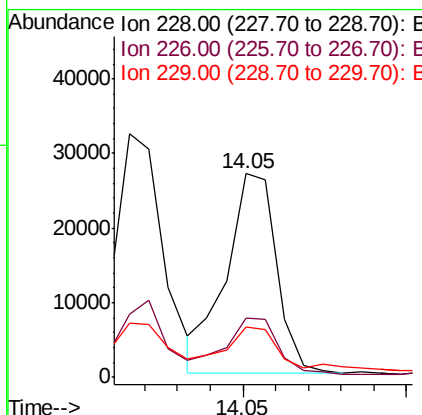
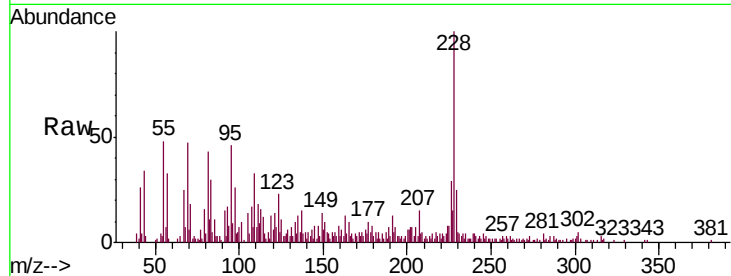
#83
Chrysene
Concen: 2.049 ng/mL
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF116530.D
Acq: 25 Aug 2019 14:26

Instrument :
BNA_F
ClientSampleId :
T1-2-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.2	36.2
229	24.6	15.8	23.6

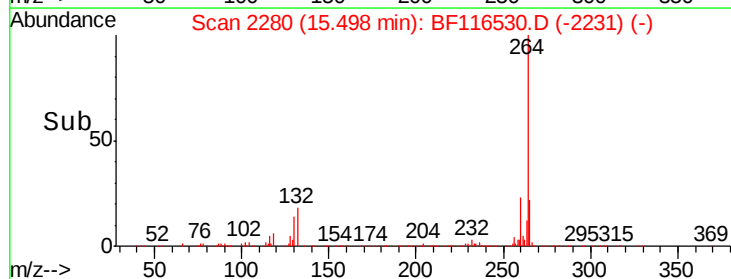
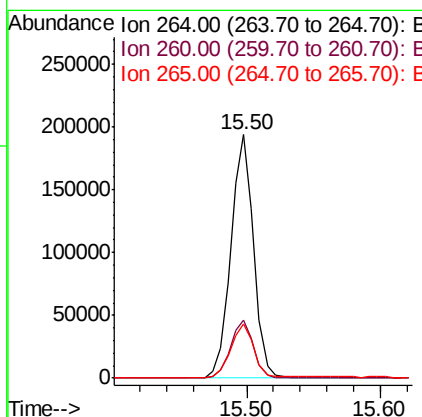
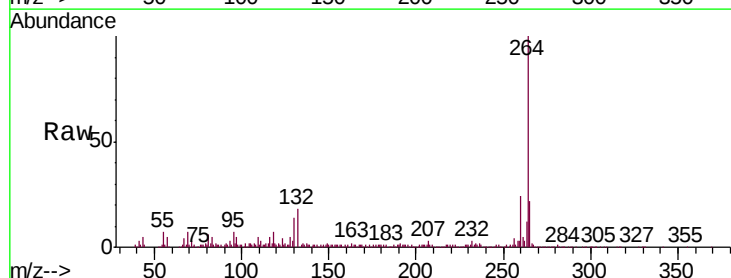
Manual Integrations
APPROVED

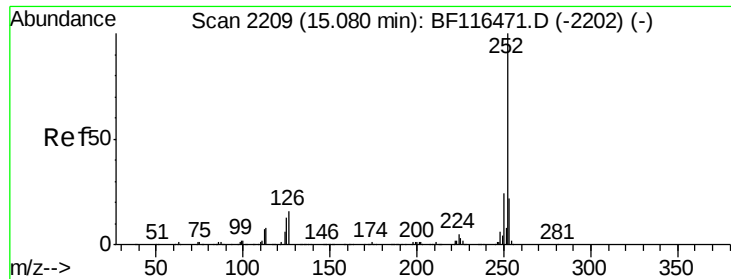
mohammad
8/29/2019 7:53:05 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF116530.D
Acq: 25 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.0	17.1	25.7





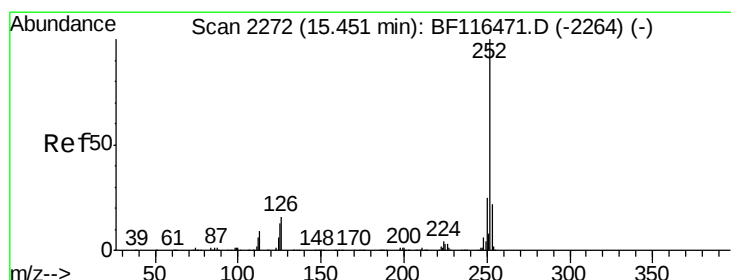
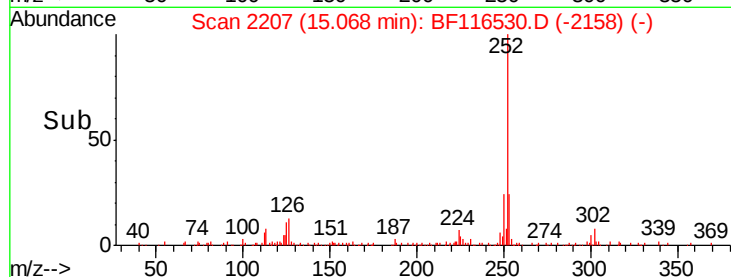
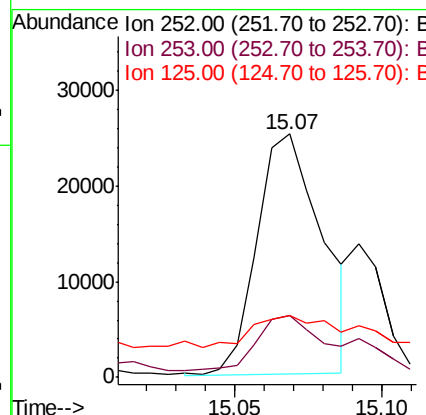
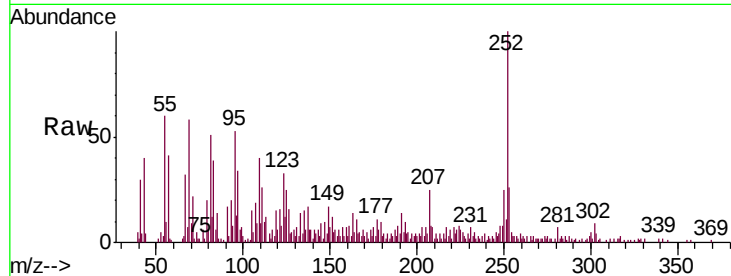
#88
Benzo(b)fluoranthene
Concen: 2.734 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116530.D
Acq: 25 Aug 2019 14:26

Instrument :
BNA_F
ClientSampleId :
T1-2-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.5	26.3
125	25.2	10.1	15.1

Manual Integrations
APPROVED

mohammad
8/29/2019 7:53:05 AM



#90
Benzo(a)pyrene
Concen: 2.037 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116530.D
Acq: 25 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.2	25.8
125	27.8	10.2	15.4

