

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116535.D
 Acq On : 25 Aug 2019 16:41
 Operator : HP/JU
 Sample : K4475-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T1-2-E

Manual Integrations
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mohammad
 8/29/2019 7:53:16 AM

Quant Time: Aug 26 07:31:03 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	6.88	152	141304	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	539741	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	257835	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	379225	20.00	ng	0.00
76) Chrysene-d12	14.03	240	222970	20.00	ng	0.00
87) Perylene-d12	15.50	264	233029	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	776787	80.32	ng	0.01
7) Phenol-d6	6.51	99	1049008	88.47	ng	0.00
23) Nitrobenzene-d5	7.44	82	662089	67.11	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	152757	69.00	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1040821	65.01	ng	0.00
79) Terphenyl-d14	12.98	244	756491	63.37	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.62	163	135920	7.556	ng	99
71) Phenanthrene	11.42	178	248481	12.028	ng	97
72) Anthracene	11.47	178	54539	2.627	ng	98
75) Fluoranthene	12.60	202	292918	13.715	ng	96
78) Pyrene	12.83	202	264929	14.858	ng	100
81) Benzo(a)anthracene	14.02	228	117859	8.161	ng	96
83) Chrysene	14.06	228	110562	7.554	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	43590	3.477	ng	96
88) Benzo(b)fluoranthene	15.07	252	120039m	8.339	ng	
89) Benzo(k)fluoranthene	15.09	252	34657m	2.657	ng	
90) Benzo(a)pyrene	15.43	252	79923	6.282	ng	95
92) Benzo(a,h,i)perylene	17.39	276	40089	4.022	ng	98

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

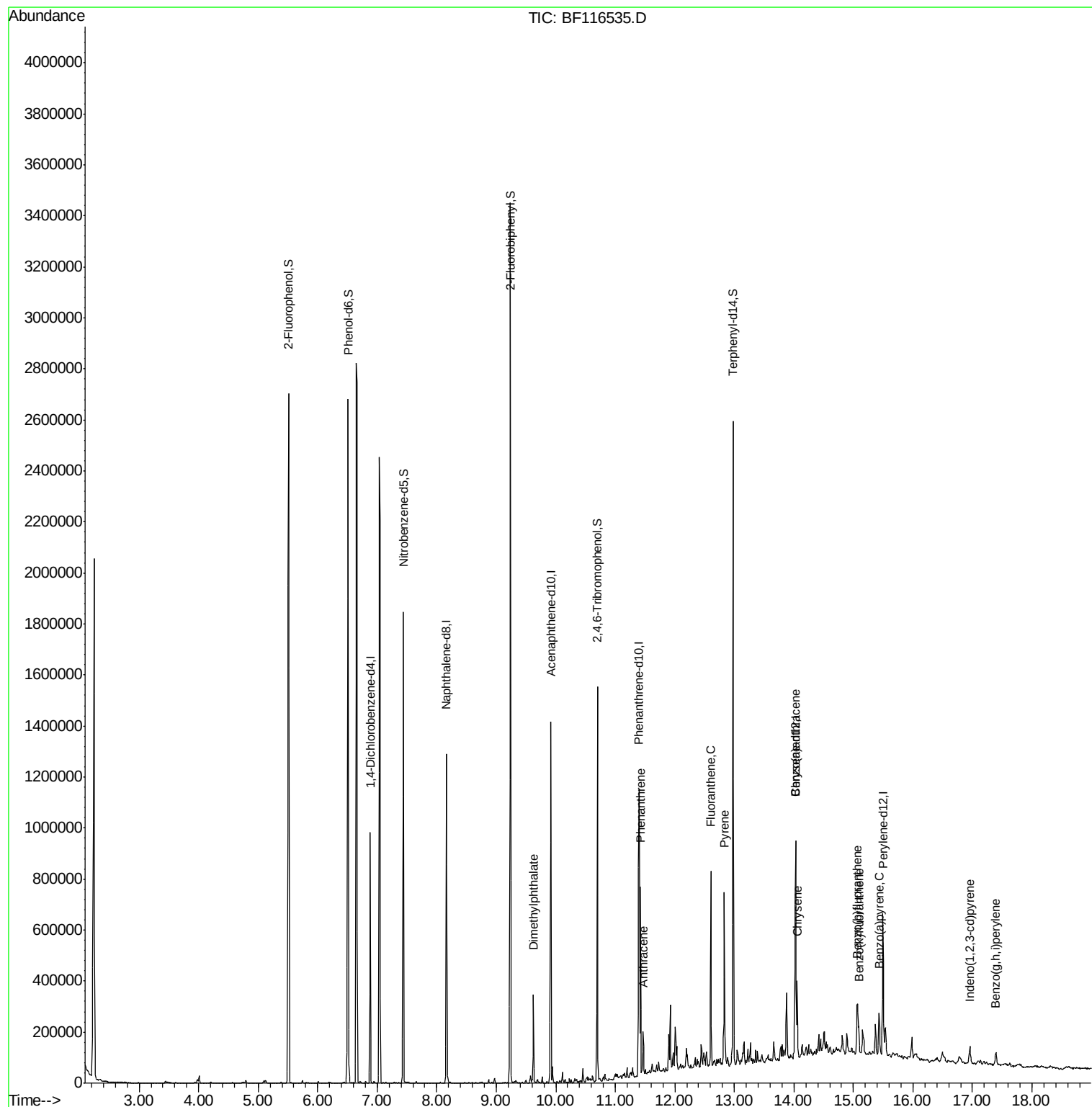
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
Data File : BF116535.D
Acq On : 25 Aug 2019 16:41
Operator : HP/JU
Sample : K4475-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

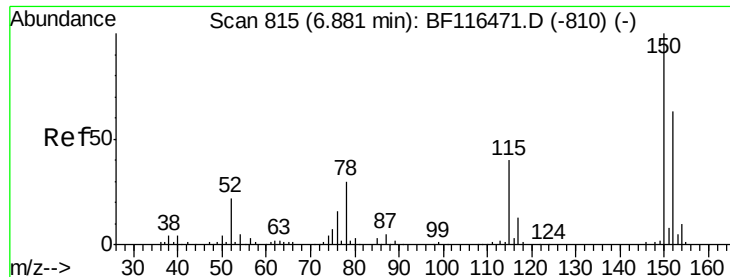
Instrument :
BNA_F
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#1

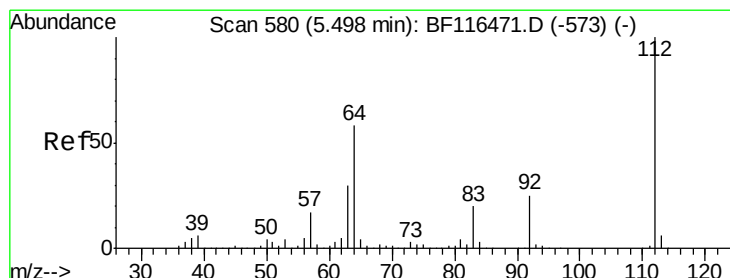
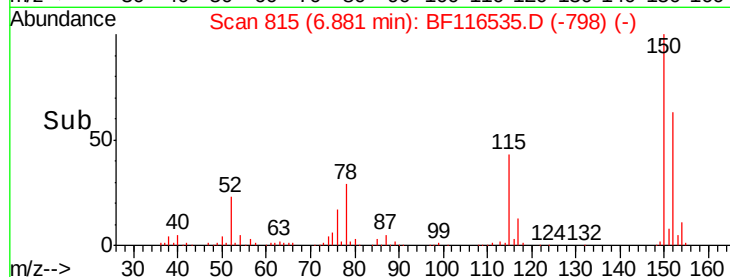
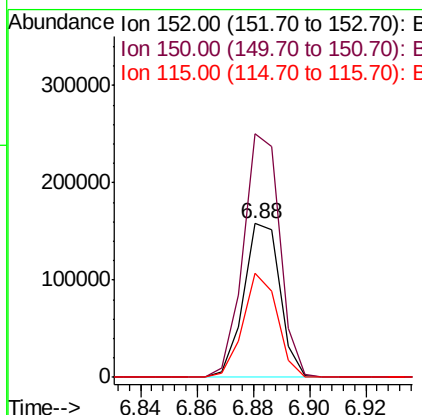
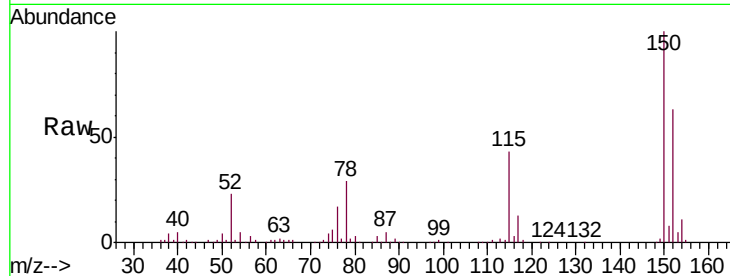
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Instrument :
BNA_F
ClientSampleId :
T1-2-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.7	190.1
115	67.7	50.9	76.3

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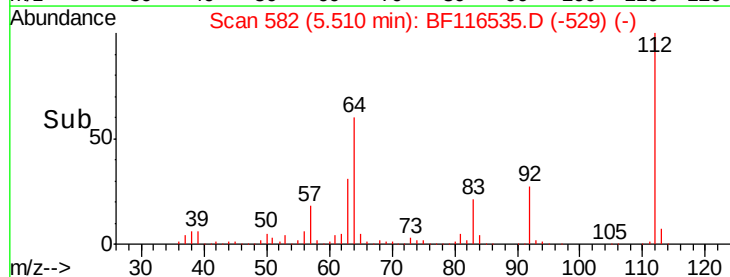
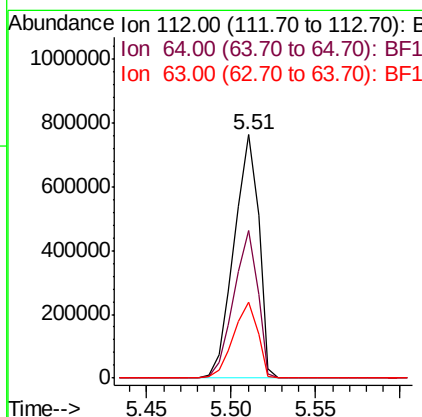
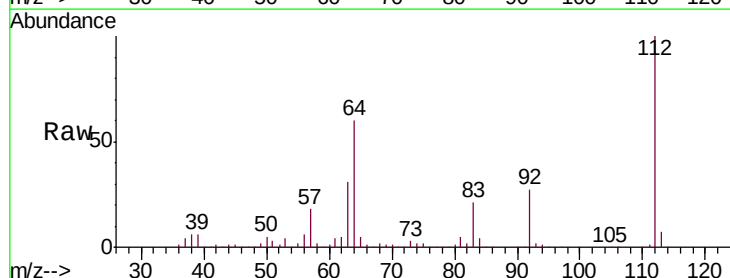
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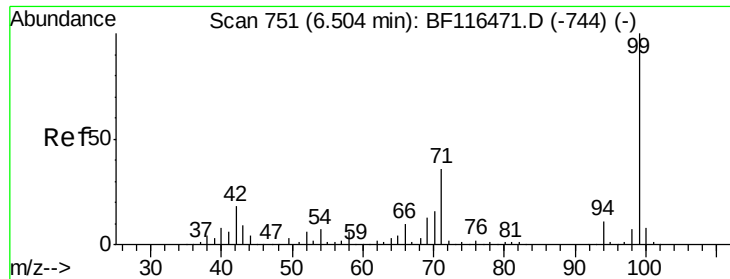


#5

2-Fluorophenol
Concen: 80.323 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	46.3	69.5
63	31.0	24.2	36.4





#7

Phenol-d6

Concen: 88.466 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

Instrument :

BNA_F

ClientSampleId :

T1-2-E

Tot Ion: 99 Resp: 1049008

Ion Ratio Lower Upper

99 100

42 17.8 14.6 21.8

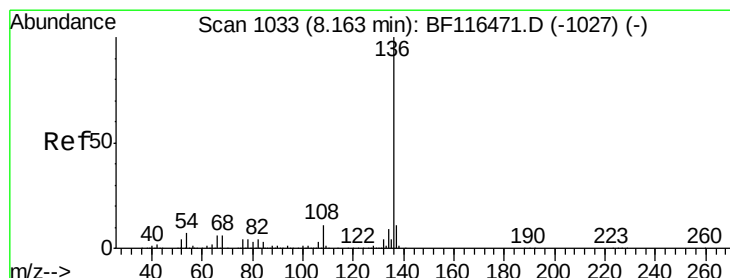
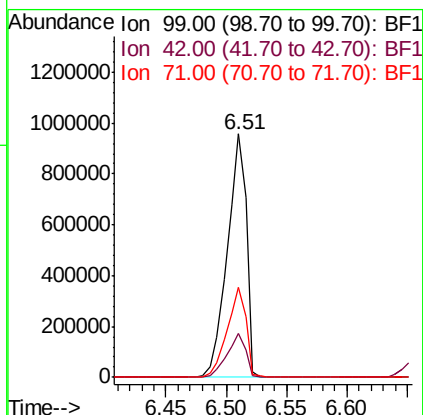
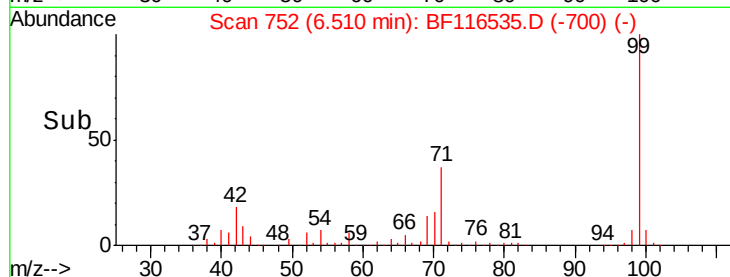
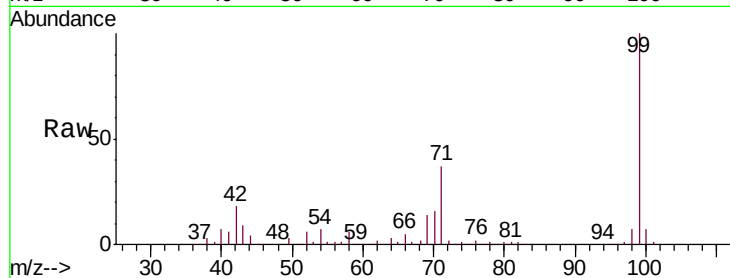
71 36.8 28.5 42.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

Tgt Ion: 136 Resp: 539741

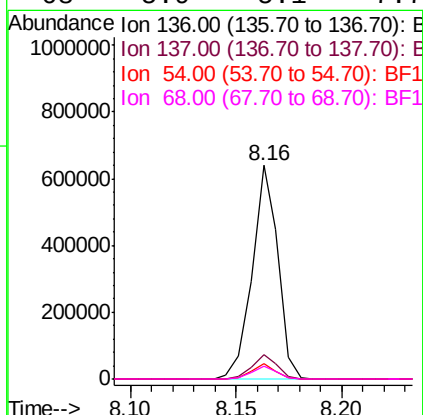
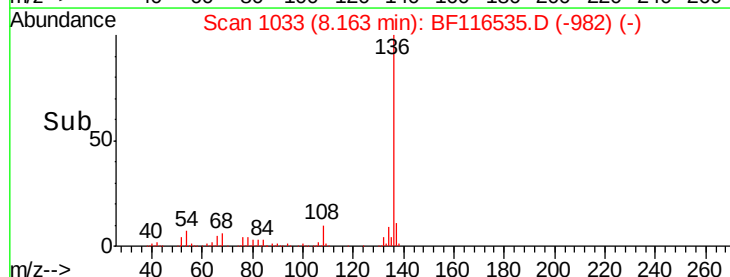
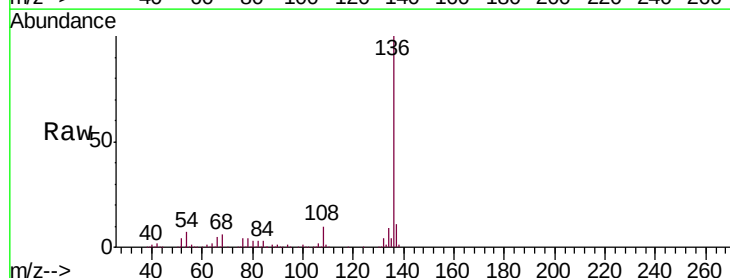
Ion Ratio Lower Upper

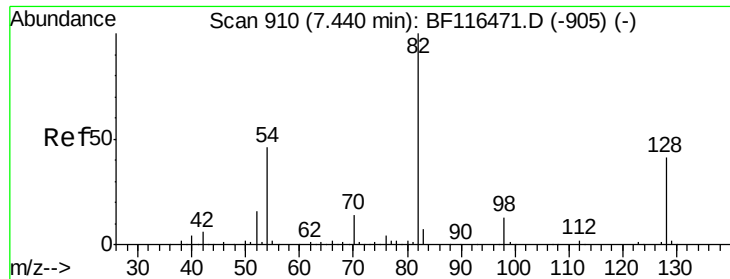
136 100

137 11.3 9.0 13.4

54 6.9 5.8 8.6

68 5.9 5.1 7.7





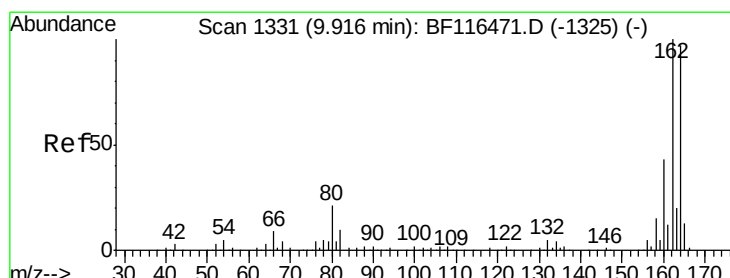
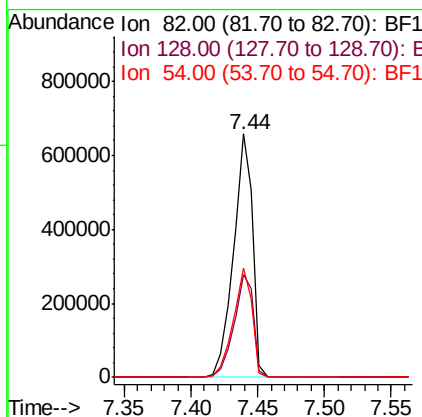
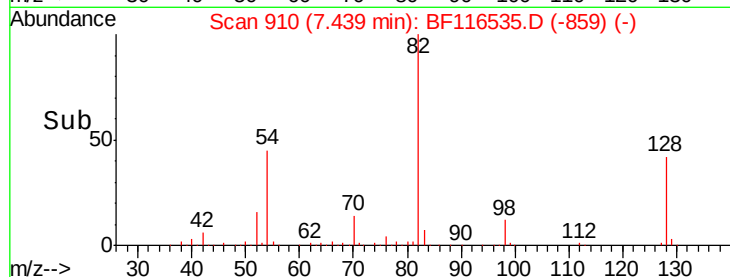
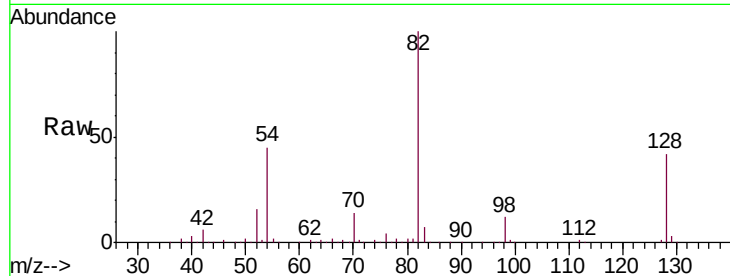
#23
 Nitrobenzene-d5
 Concen: 67.112 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF116535.D
 Acq: 25 Aug 2019 16:41

Instrument :
 BNA_F
 ClientSampled :
 T1-2-E

Tot Ion	82	Resp	662089
Ion Ratio	Lower	Upper	
82	100		
128	42.4	32.2	48.4
54	44.7	36.5	54.7

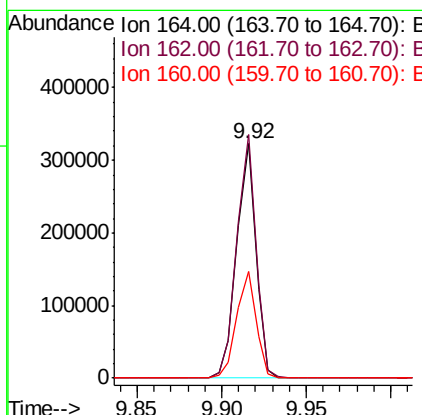
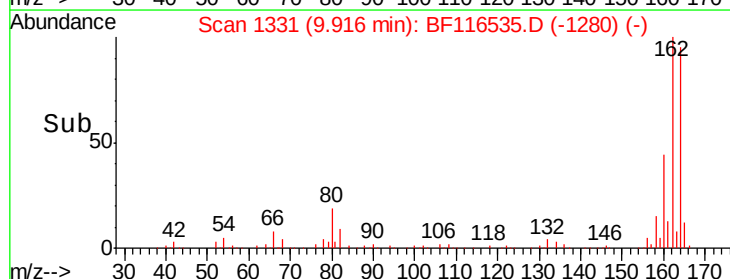
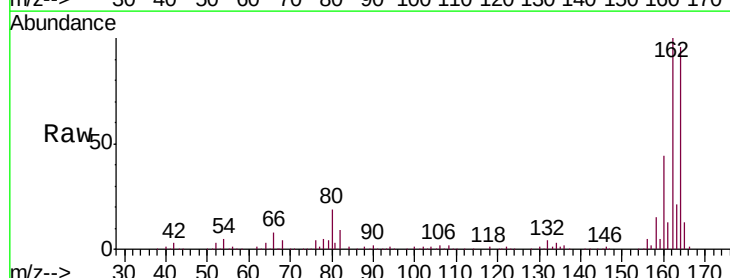
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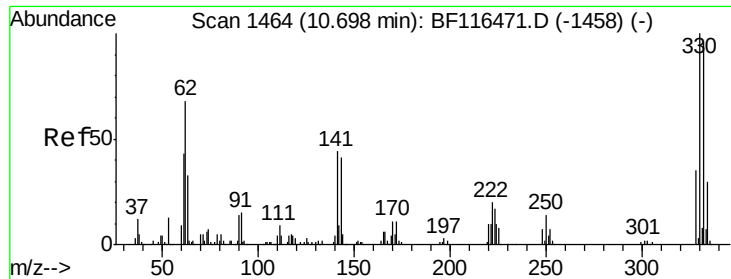
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BF116535.D
 Acq: 25 Aug 2019 16:41

Tgt Ion	164	Resp	257835
Ion Ratio	Lower	Upper	
164	100		
162	103.9	82.6	123.8
160	45.6	35.8	53.8





#42

2,4,6-Tribromophenol

Concen: 68.997 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

Instrument :

BNA_F

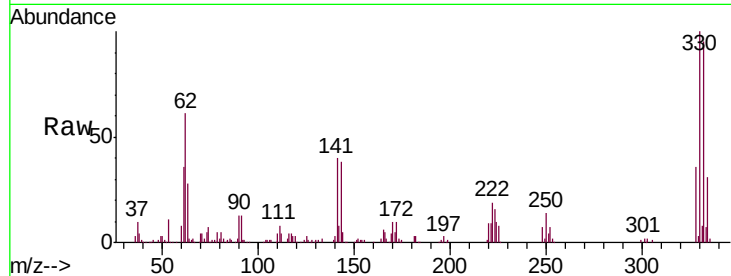
ClientSampled :

T1-2-E

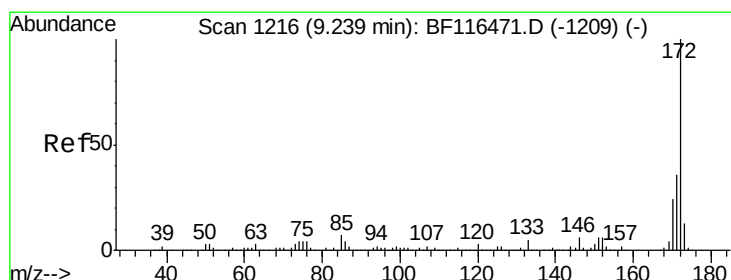
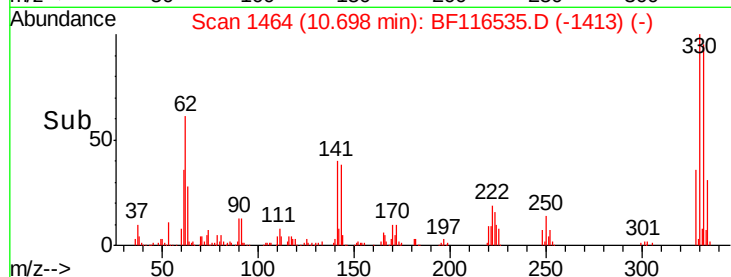
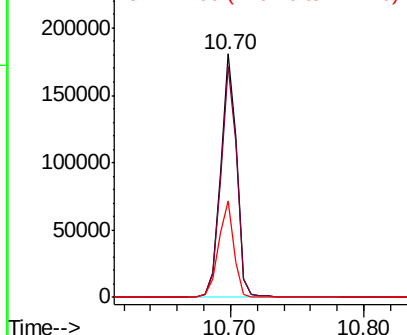
Tot Ion:	330	Resp:	152757
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.2	115.8
141	38.3	33.3	49.9

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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: 65.008 ng

RT: 9.24 min Scan# 1216

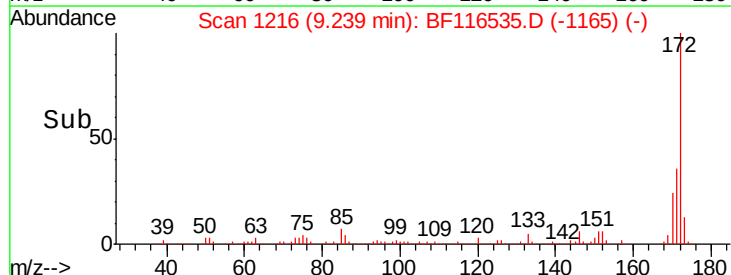
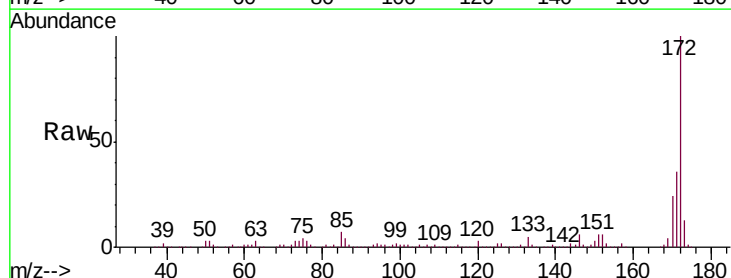
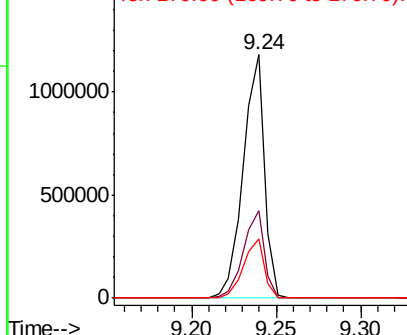
Delta R.T. -0.00 min

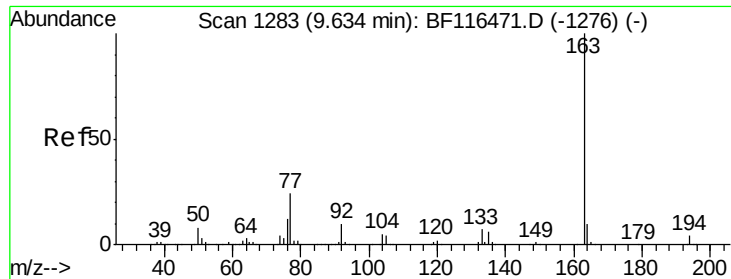
Lab File: BF116535.D

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Tgt Ion:	172	Resp:	1040821
Ion Ratio	Lower	Upper	
172	100		
171	35.7	28.9	43.3
170	24.1	19.4	29.0

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





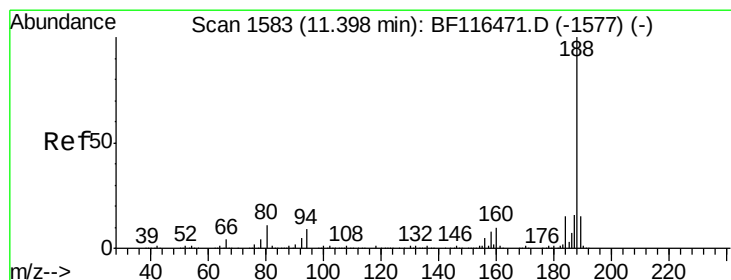
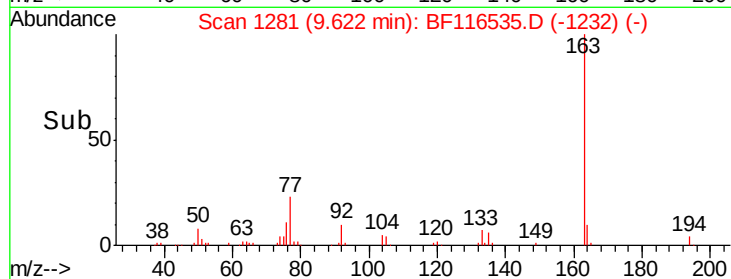
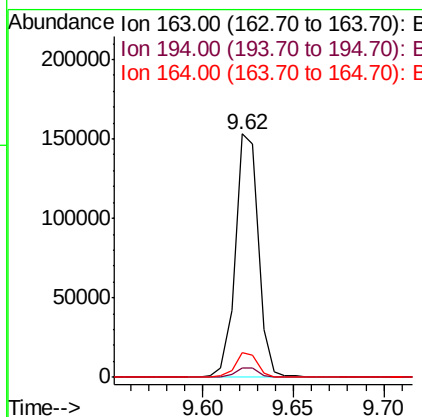
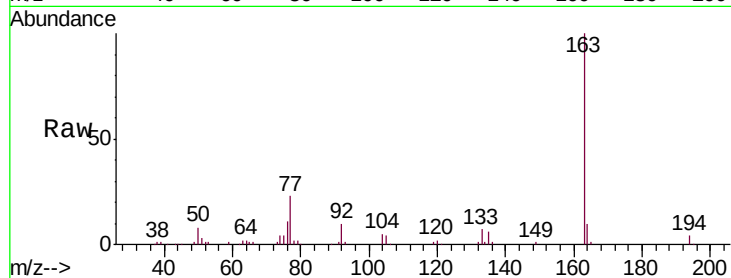
#50
Dimethylphthalate
Concen: 7.556 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	135920		
194	4.0		2.9	4.3
164	10.4		8.2	12.2

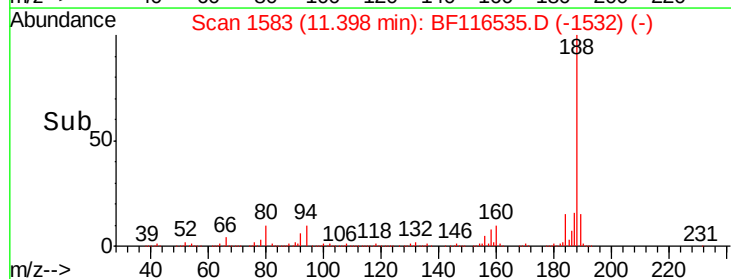
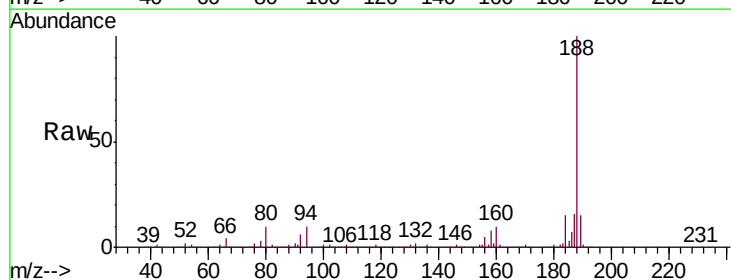
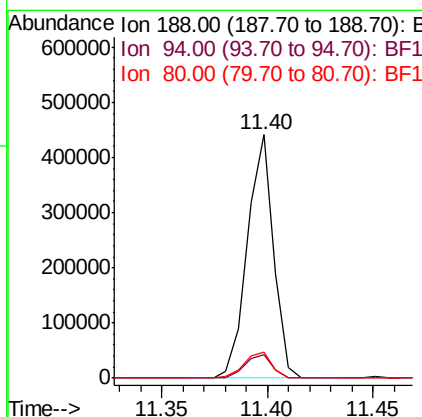
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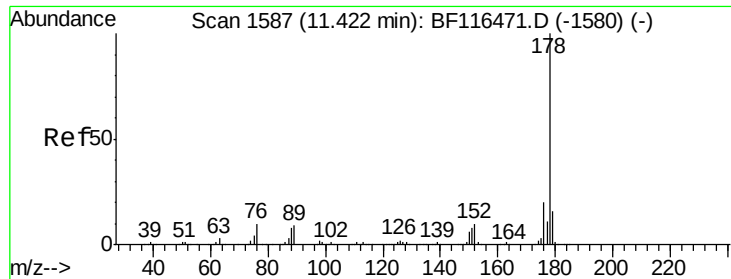
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	379225		
94	9.6		7.4	11.2
80	10.5		8.6	12.8





#71

Phenanthrene

Concen: 12.028 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

Instrument :

BNA_F

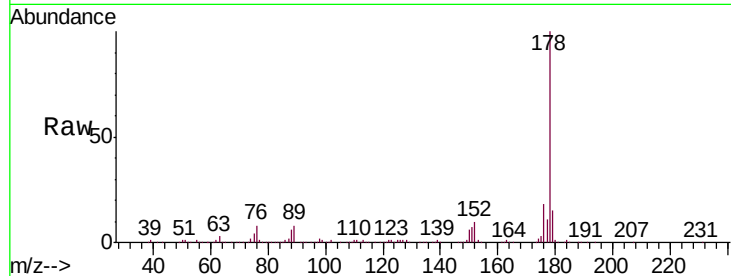
ClientSampleId :

T1-2-E

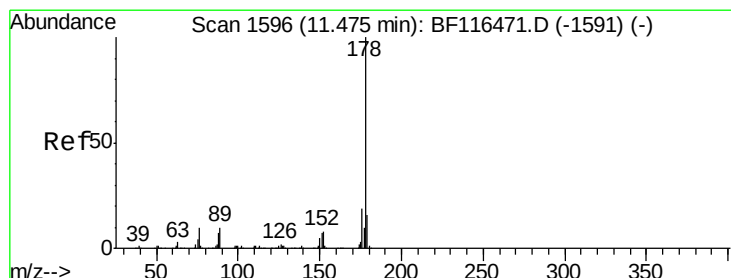
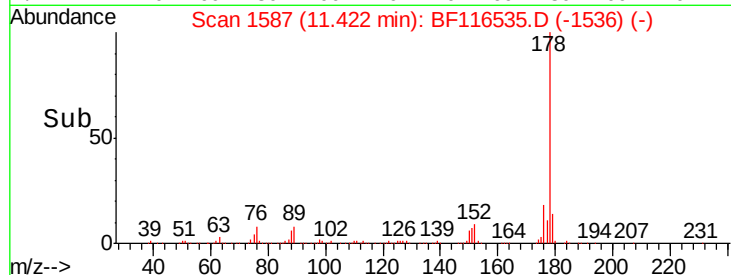
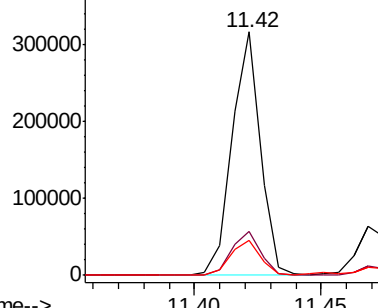
Tot Ion:	178	Resp:	248481
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.8	23.6
179	14.5	12.8	19.2

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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



#72

Anthracene

Concen: 2.627 ng

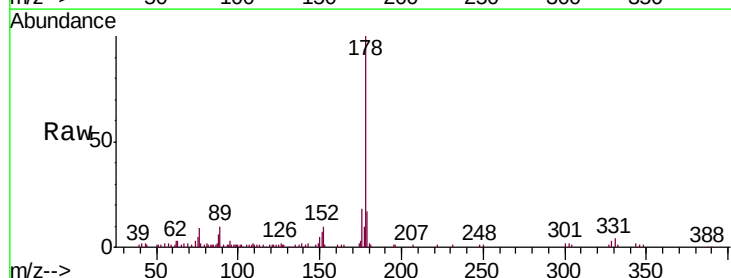
RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

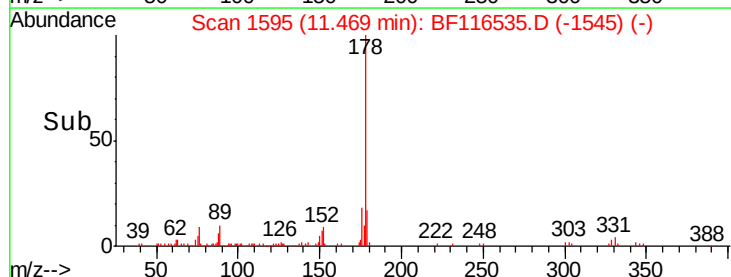
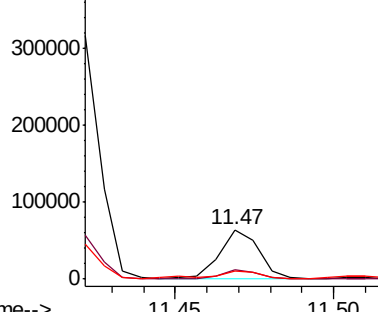
Lab File: BF116535.D

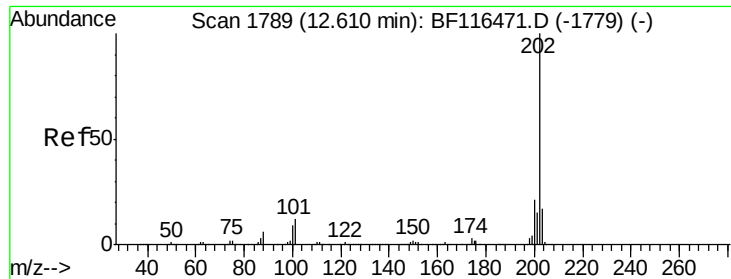
Acq: 25 Aug 2019 16:41

Tgt Ion:	178	Resp:	54539
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.2	22.8
179	16.8	12.5	18.7



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: 13.715 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

Instrument :

BNA_F

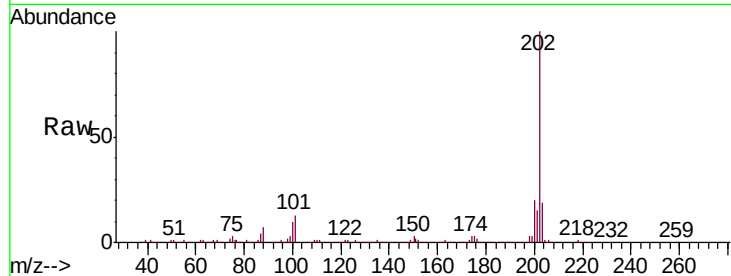
ClientSampleId :

T1-2-E

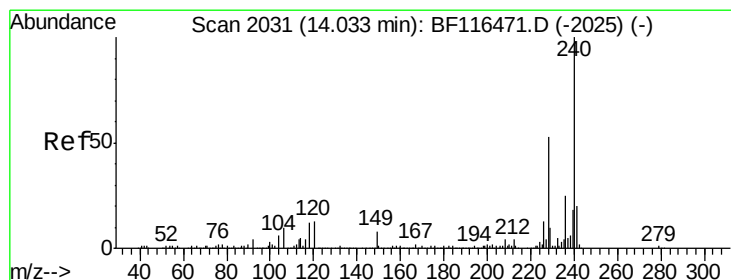
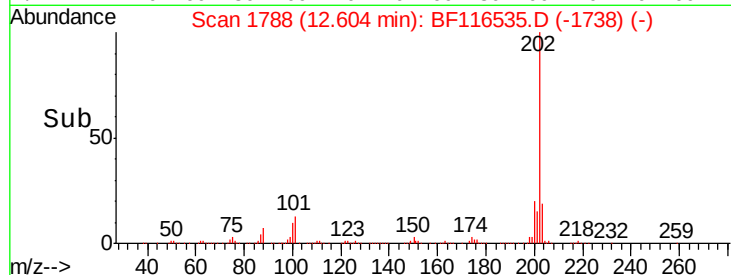
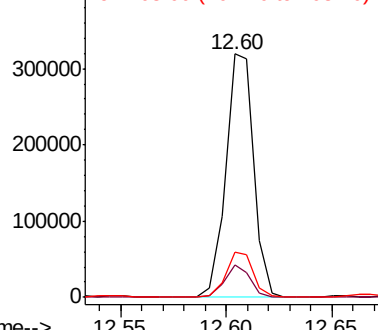
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		292918		
101	13.2	0.0	31.5		
203	18.8	0.0	37.5		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

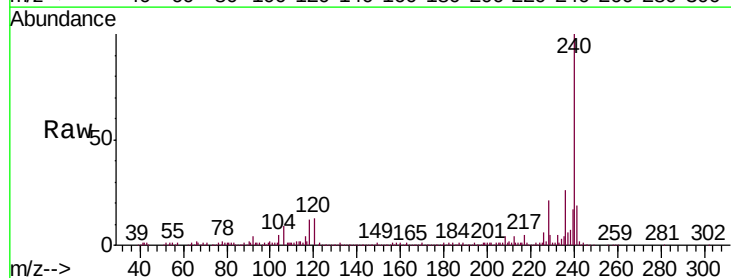
RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

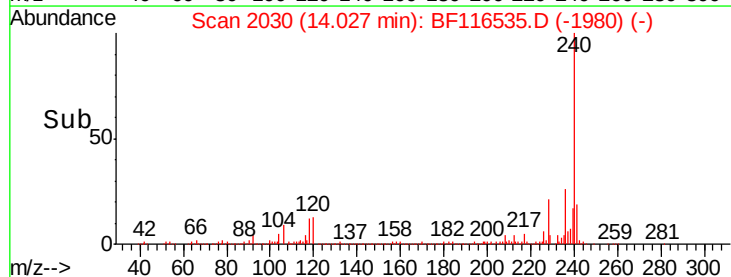
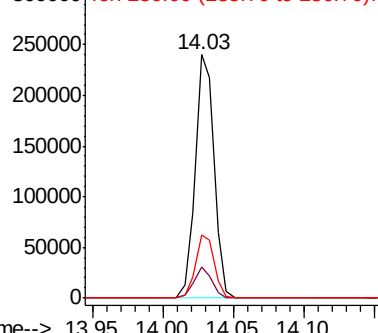
Lab File: BF116535.D

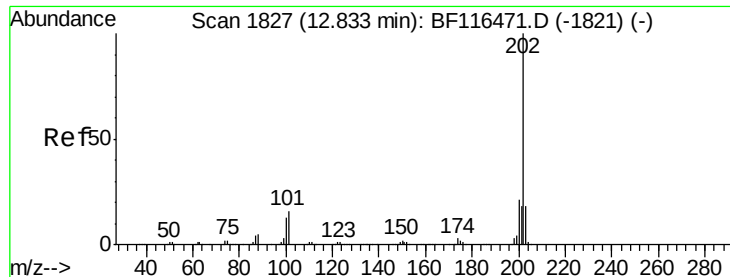
Acq: 25 Aug 2019 16:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		222970		
120	12.9	10.5	15.7		
236	25.7	20.2	30.2		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





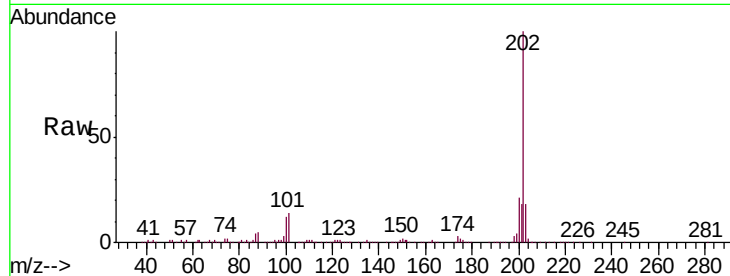
#78
Pvrene
Concen: 14.858 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Instrument :
BNA_F
ClientSampleId :
T1-2-E

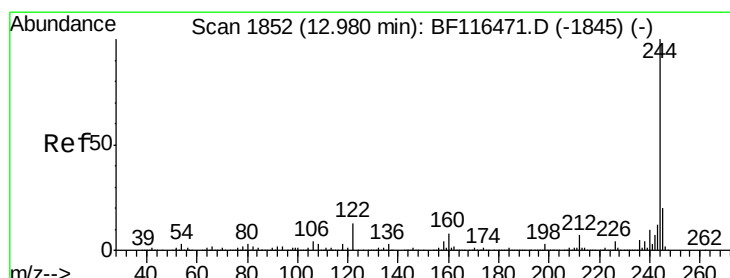
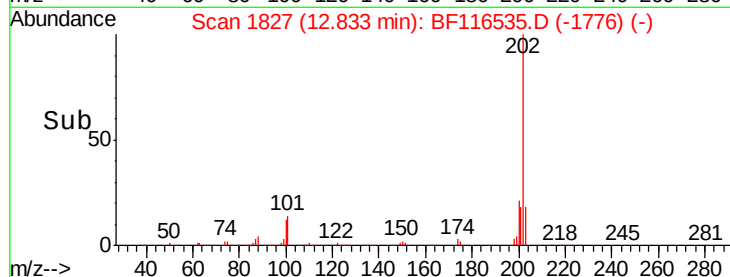
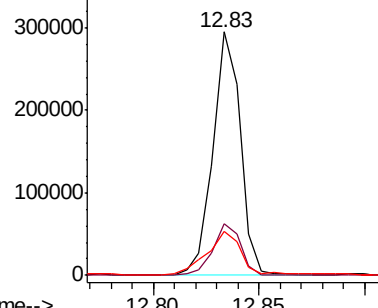
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.0	14.2	21.4

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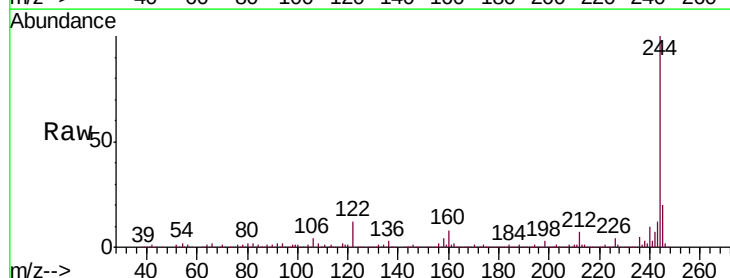


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

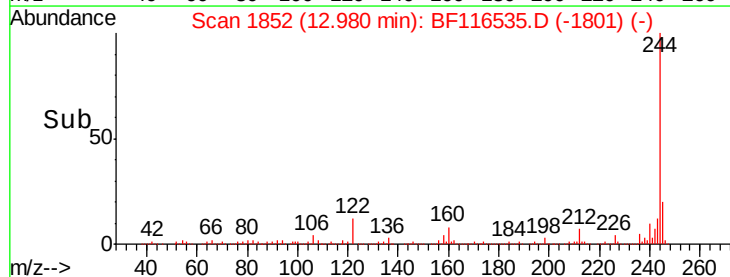
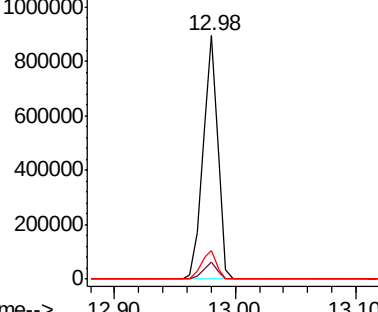


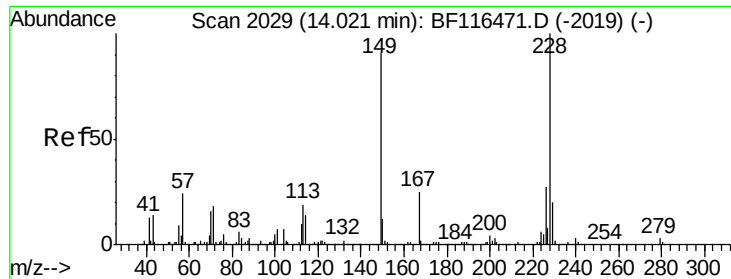
#79
Terphenyl-d14
Concen: 63.374 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.9	10.2	15.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 8.161 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

Instrument :

BNA_F

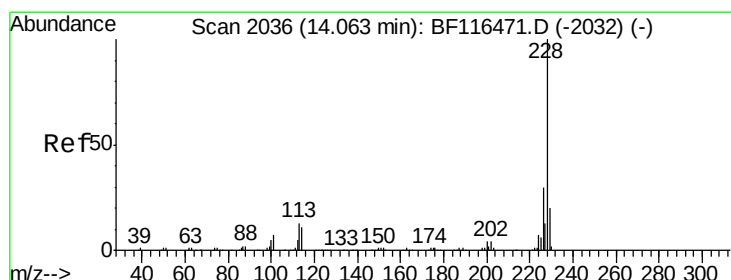
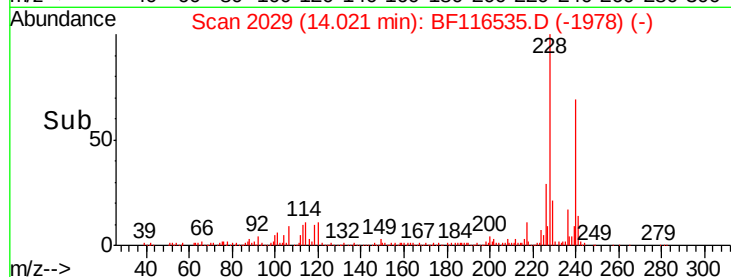
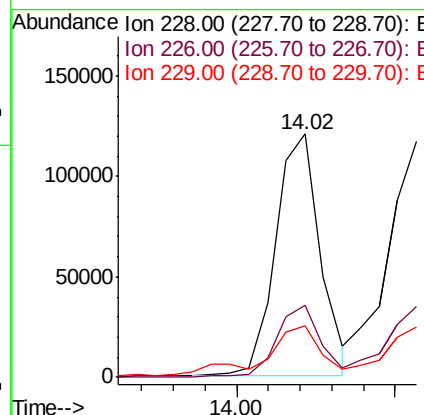
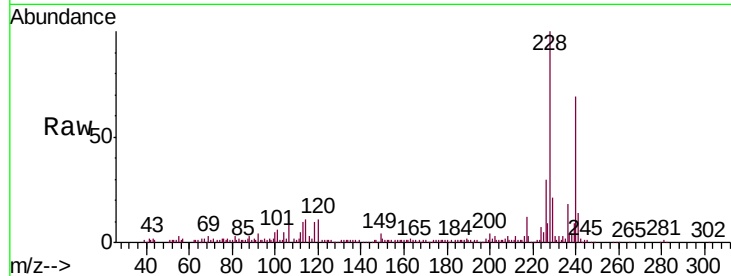
ClientSampleId :

T1-2-E

Tot Ion:	228	Resp:	117859
Ion Ratio	Lower	Upper	
228	100		
226	29.5	21.8	32.6
229	21.3	15.9	23.9

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#83

Chrysene

Concen: 7.554 ng

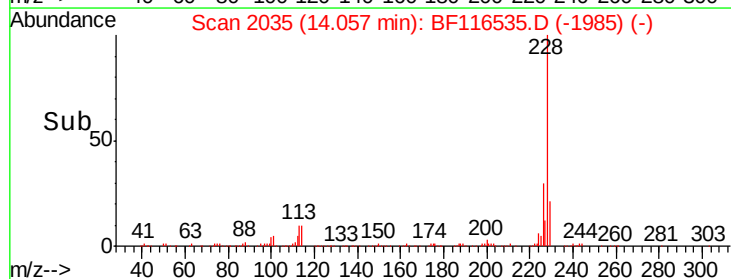
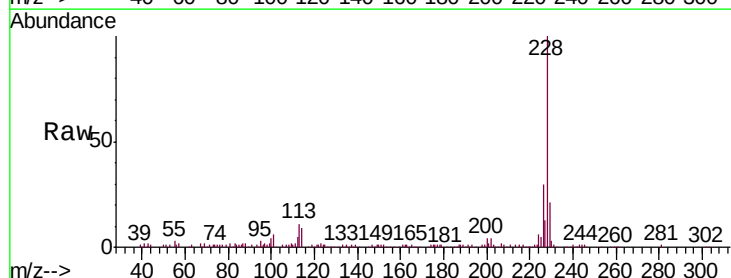
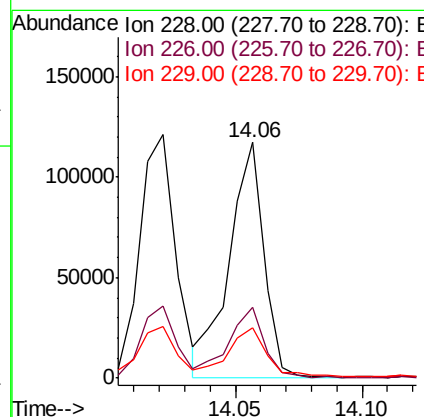
RT: 14.06 min Scan# 2035

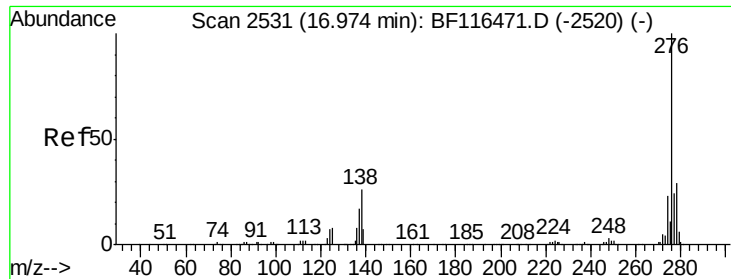
Delta R.T. -0.01 min

Lab File: BF116535.D

Acq: 25 Aug 2019 16:41

Tgt Ion:	228	Resp:	110562
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.2	36.2
229	21.5	15.8	23.6





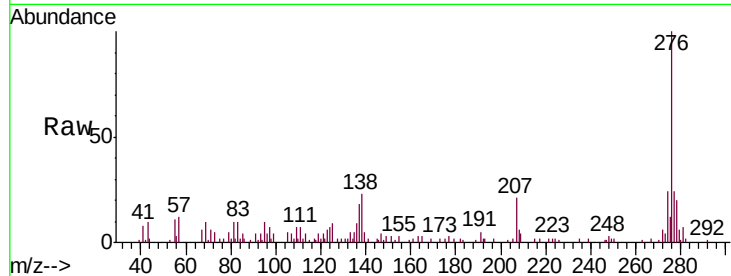
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.477 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Instrument :
BNA_F
ClientSampleId :
T1-2-E

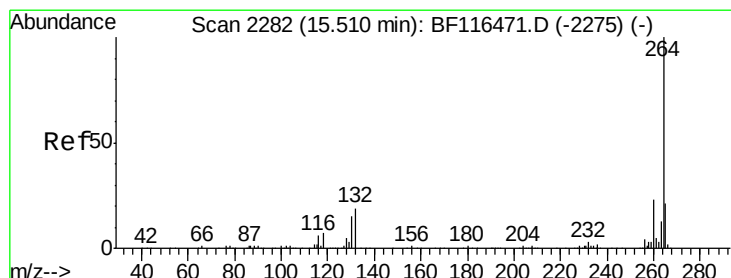
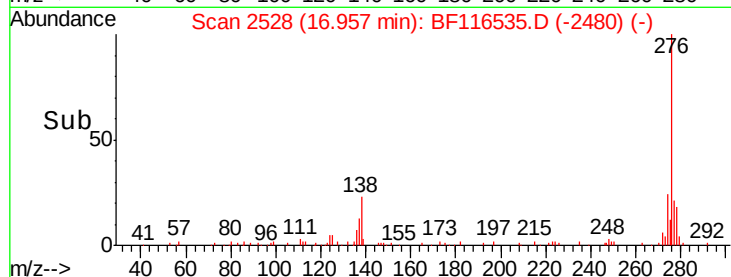
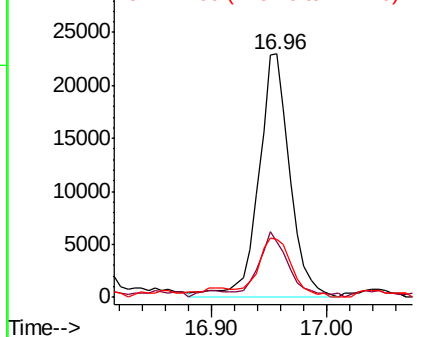
Tot Ion:	276	Resp:	43590
Ion Ratio	Lower	Upper	
276	100		
138	25.7	22.9	34.3
277	26.2	19.9	29.9

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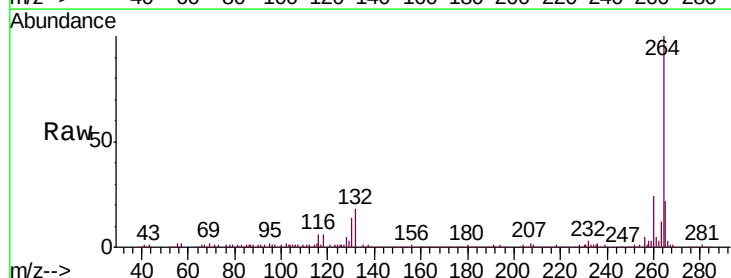


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

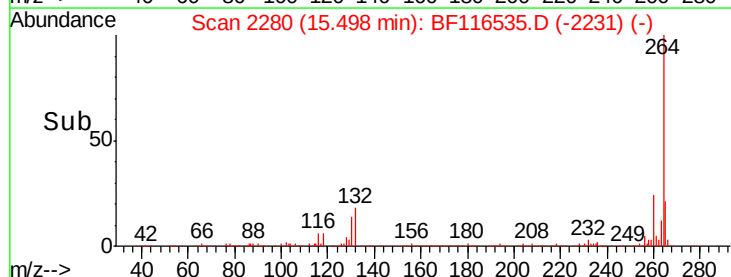
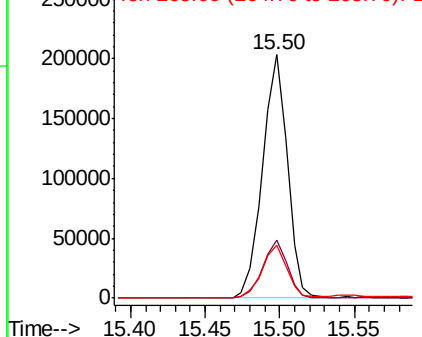


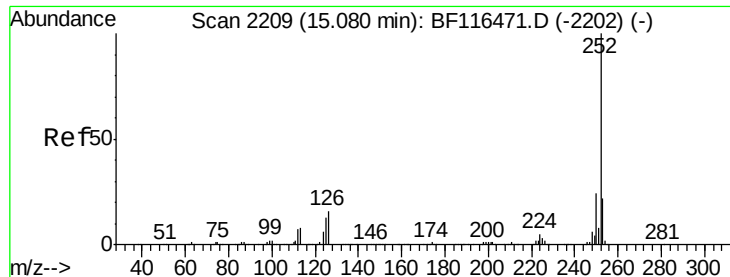
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion:	264	Resp:	233029
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.8	28.2
265	21.5	17.1	25.7



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





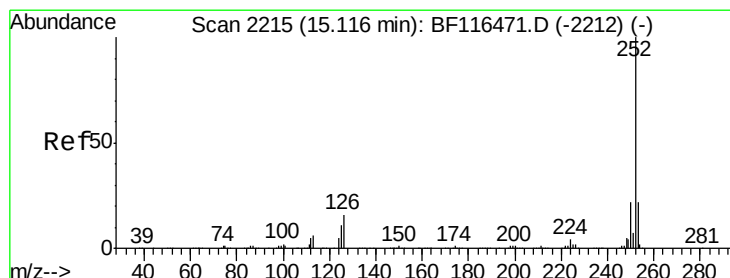
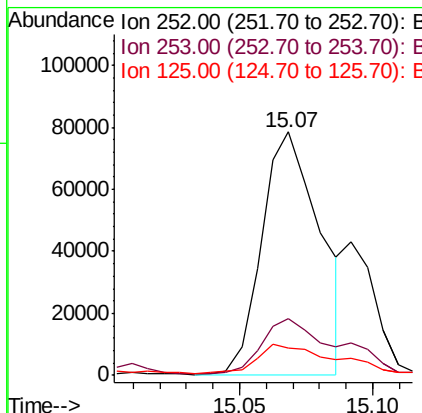
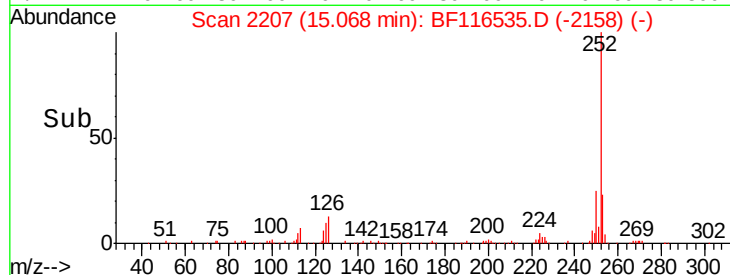
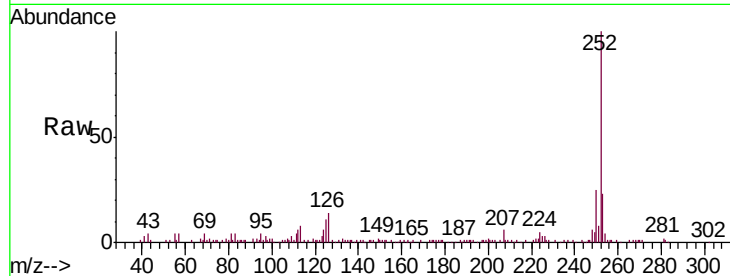
#88
Benzo(b)fluoranthene
Concen: 8.339 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Instrument :
BNA_F
ClientSampleId :
T1-2-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	11.0	10.1	15.1

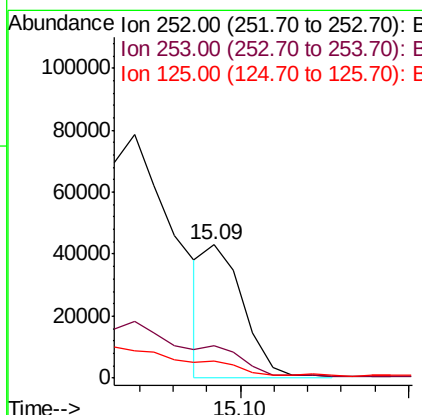
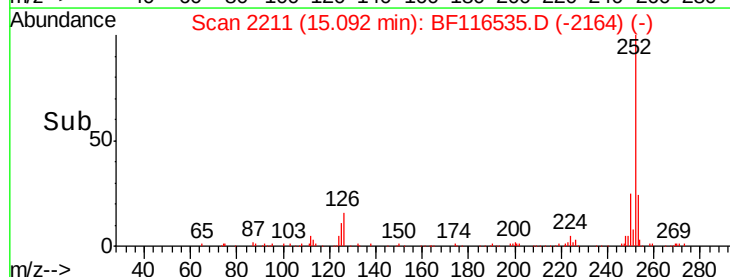
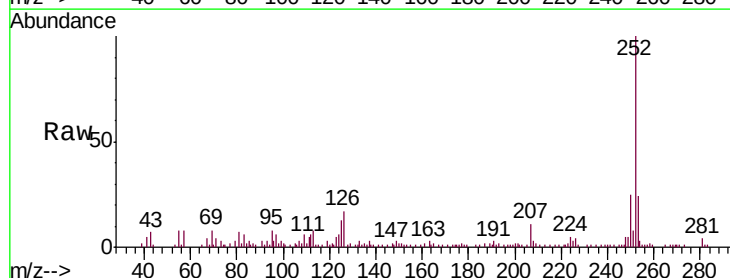
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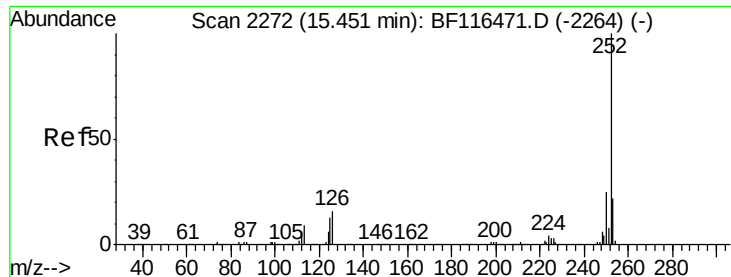
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#89
Benzo(k)fluoranthene
Concen: 2.657 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.2
125	13.0	9.1	13.7





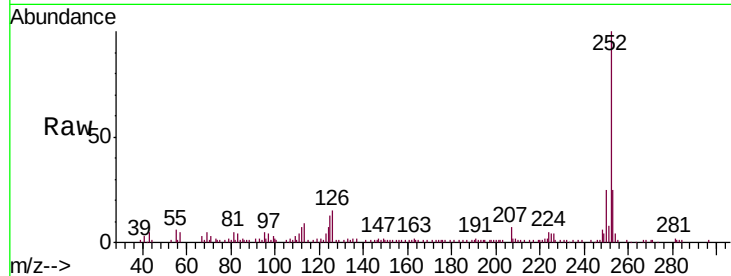
#90
Benzo(a)pyrene
Concen: 6.282 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Instrument :
BNA_F
ClientSampleId :
T1-2-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	12.9	10.2	15.4

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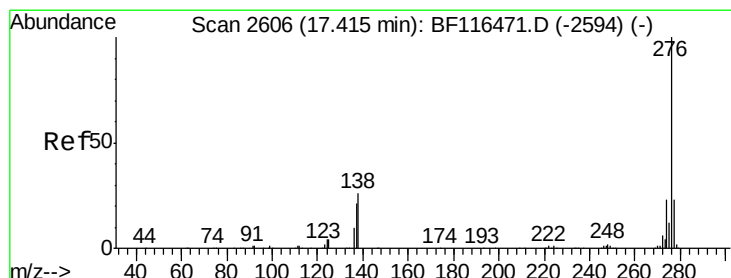
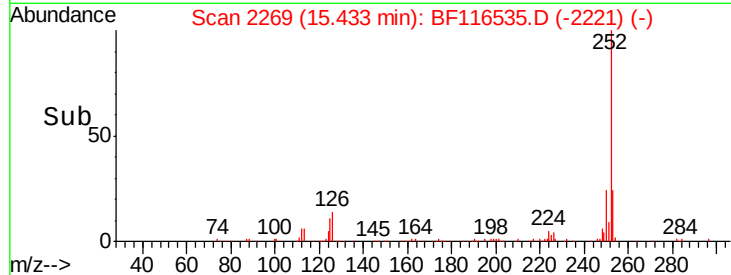
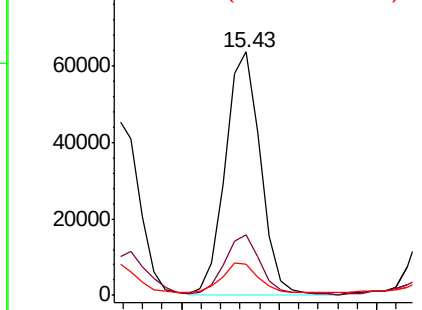


Abundance

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: 4.022 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BF116535.D
Acq: 25 Aug 2019 16:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	24.5	20.8	31.2

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

