

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
 Data File : BF119040.D
 Acq On : 25 Feb 2020 00:26
 Operator : CG/JU
 Sample : L1635-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUNR-TS004-01

Manual Integrations
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Quant Time: Feb 25 01:39:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	165920	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	639869	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	342989	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	597523	20.00	ng	0.00
76) Chrysene-d12	13.90	240	369628	20.00	ng	0.00
87) Perylene-d12	15.33	264	380717	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	840665	84.67	ng	0.00
7) Phenol-d6	6.40	99	1006617	83.37	ng	0.00
23) Nitrobenzene-d5	7.32	82	669868	55.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	343402	76.53	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1260917	54.16	ng	-0.01
79) Terphenyl-d14	12.85	244	1266403	58.99	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.50	163	102584	3.911	ng	99
71) Phenanthrene	11.29	178	216982	6.659	ng	98
72) Anthracene	11.35	178	640684	19.678	ng	98
73) Carbazole	11.50	167	223855	7.718	ng	98
75) Fluoranthene	12.48	202	554363	16.027	ng	99
78) Pyrene	12.71	202	343606	11.577	ng	99
81) Benzo(a)anthracene	13.89	228	116929	4.643	ng	98
83) Chrysene	13.93	228	266681	10.627	ng	98
88) Benzo(b)fluoranthene	14.92	252	104064m	4.147	ng	
90) Benzo(a)pyrene	15.27	252	57148	2.523	ng	98

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

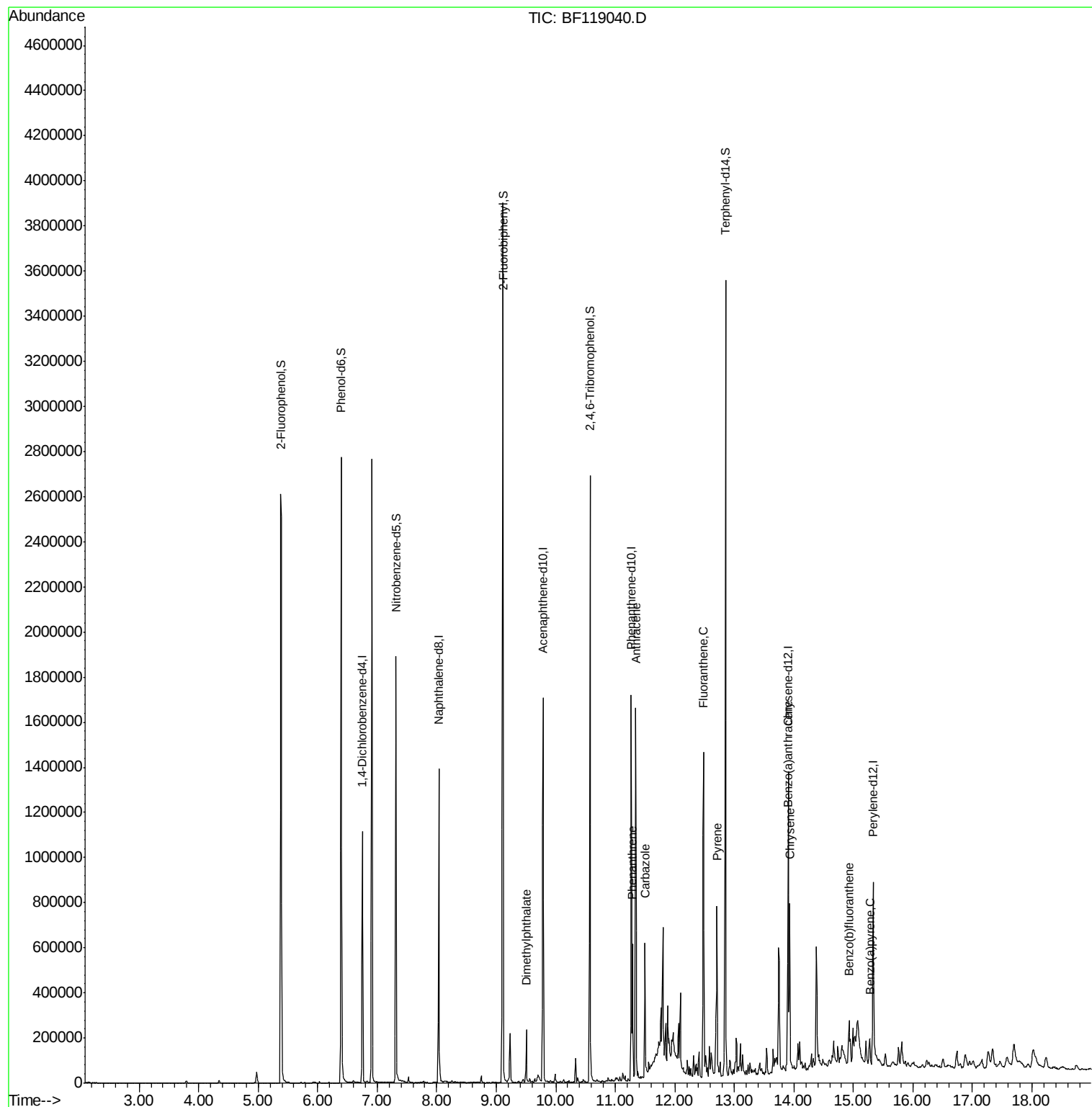
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
Data File : BF119040.D
Acq On : 25 Feb 2020 00:26
Operator : CG/JU
Sample : L1635-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

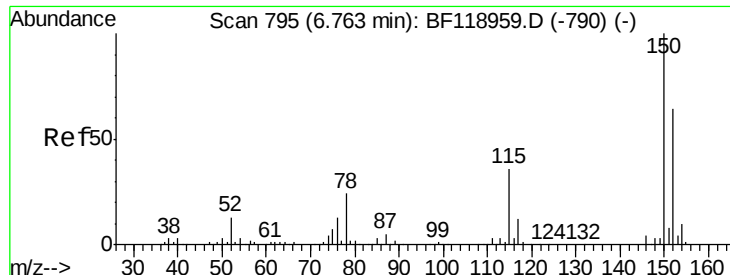
Instrument :
BNA_F
ClientSampleId :
DUNR-TS004-01

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Quant Time: Feb 25 01:39:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 20 17:40:17 2020
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#1

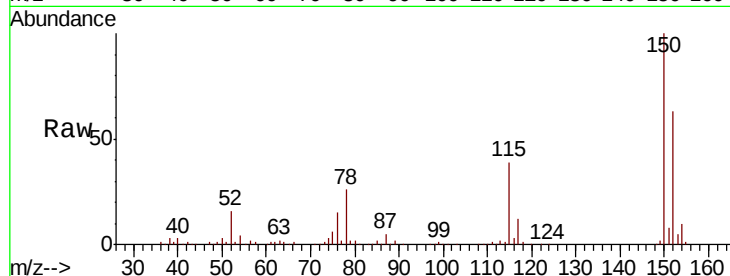
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF119040.D
Acq: 25 Feb 2020 00:26

Instrument :
BNA_F
ClientSampleId :
DUNR-TS004-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.3	186.5
115	61.7	44.6	67.0

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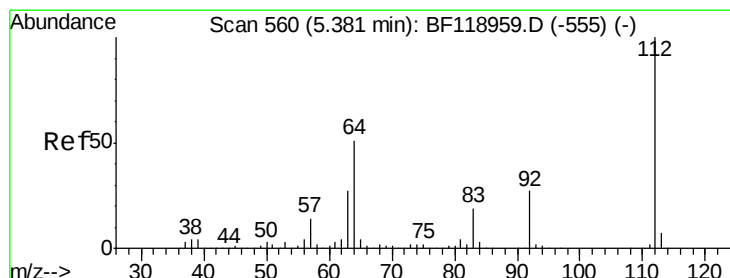
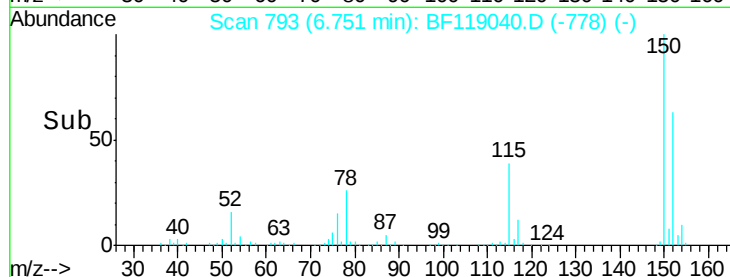
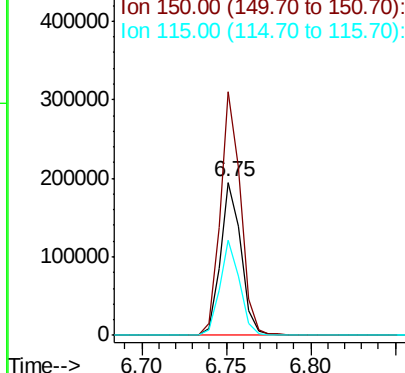


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

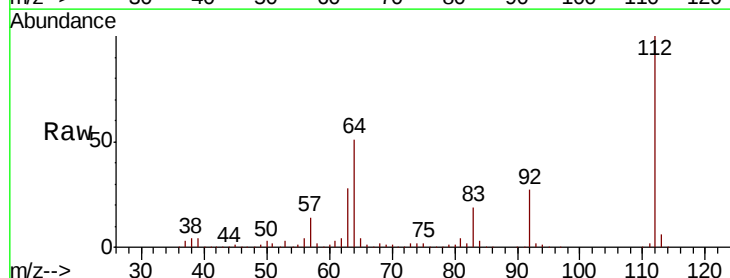
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.673 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF119040.D
Acq: 25 Feb 2020 00:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	40.4	60.6
63	27.6	21.3	31.9

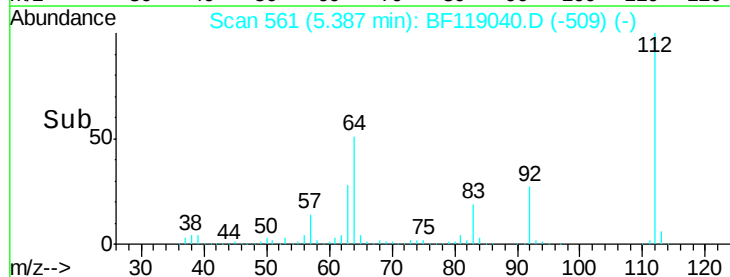
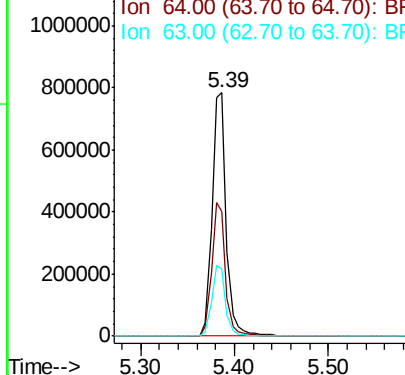


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 83.366 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119040.D

Acq: 25 Feb 2020 00:26

Instrument :

BNA_F

ClientSampleId :

DUNR-TS004-01

Tot Ion: 99 Resp: 1006617

Ion Ratio Lower Upper

99 100

42 14.3 11.4 17.0

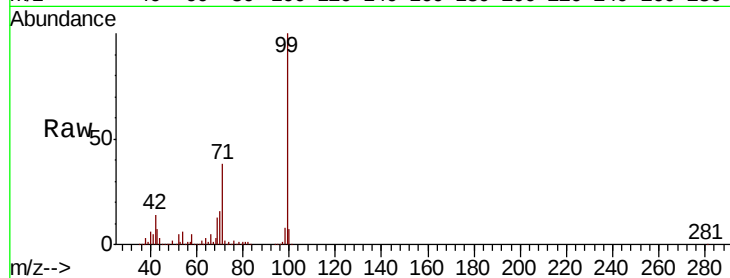
71 37.7 29.8 44.6

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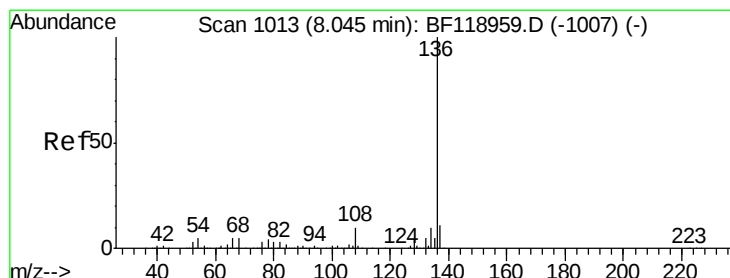
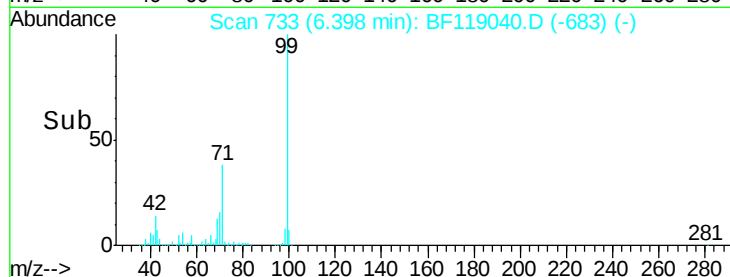
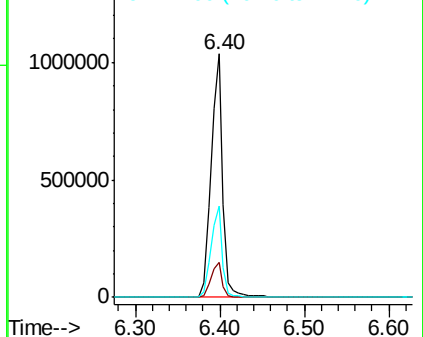
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF119040.D

Acq: 25 Feb 2020 00:26

Tgt Ion: 136 Resp: 639869

Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 4.9 3.8 5.6

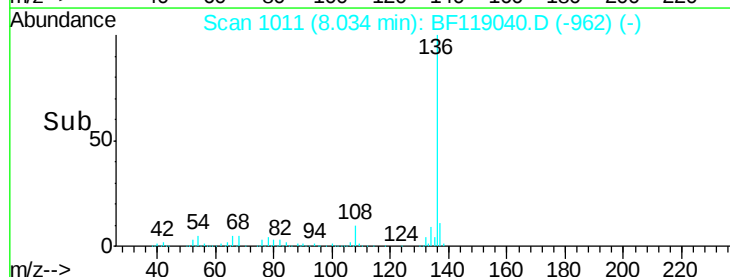
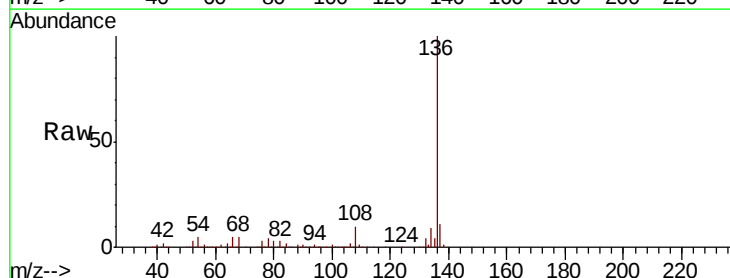
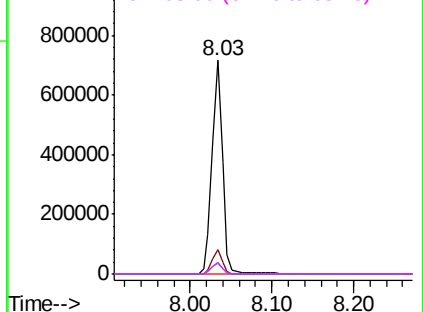
68 5.3 4.2 6.2

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





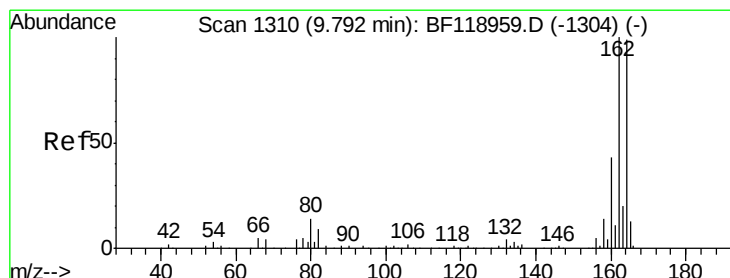
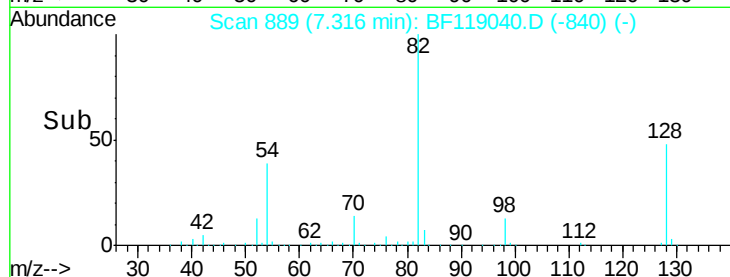
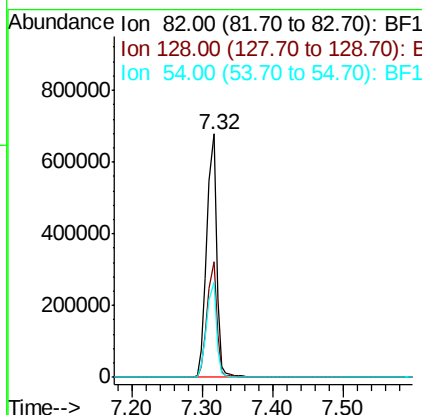
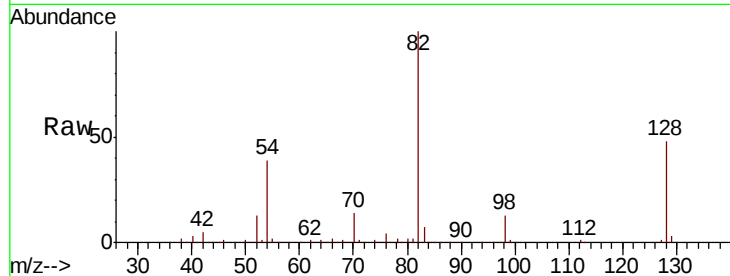
#23
 Nitrobenzene-d5
 Concen: 55.275 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Instrument :
 BNA_F
 ClientSampleId :
 DUNR-TS004-01

Tot Ion	Ratio	Resp	Lower	Upper
82	100	669868		
128	47.7		38.2	57.2
54	39.2		31.3	46.9

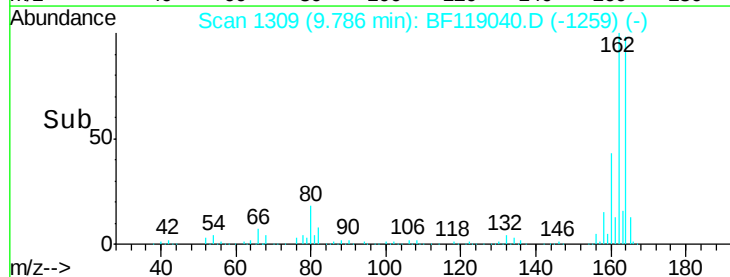
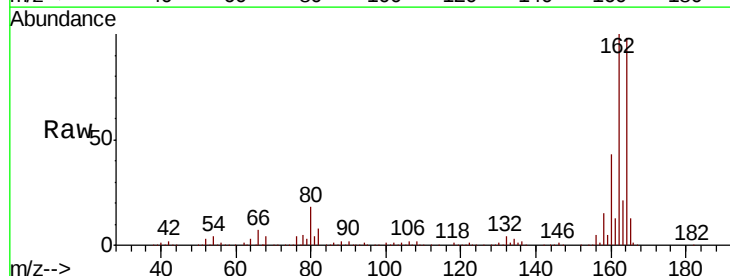
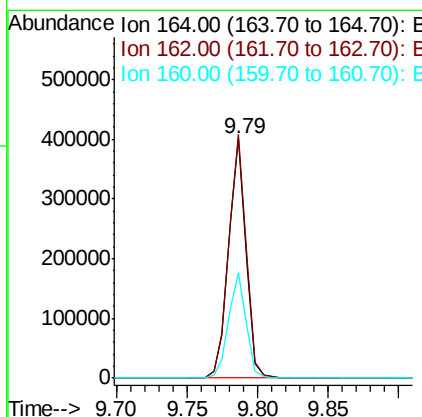
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	342989		
162	101.7		81.2	121.8
160	43.9		35.2	52.8





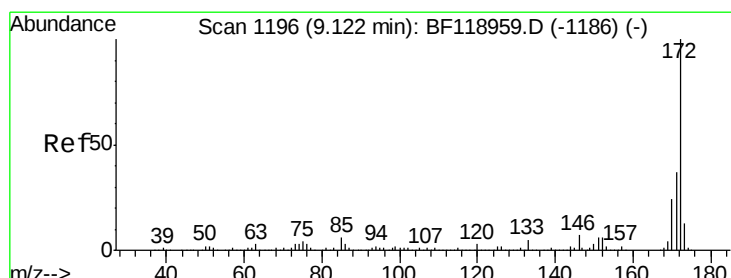
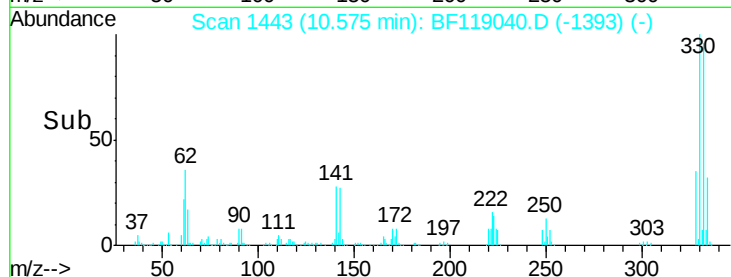
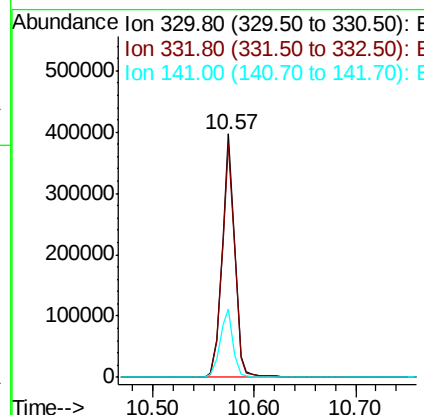
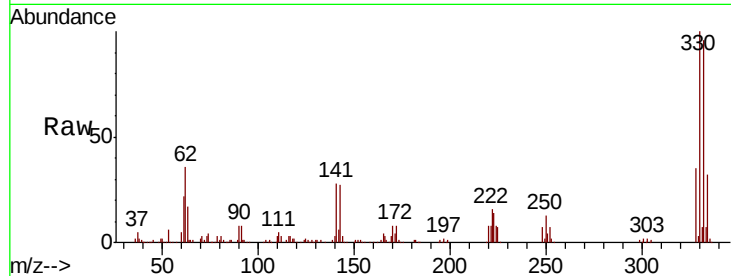
#42
 2,4,6-Tribromophenol
 Concen: 76.535 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Instrument :
 BNA_F
 ClientSampleId :
 DUNR-TS004-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	29.1	23.0	34.6

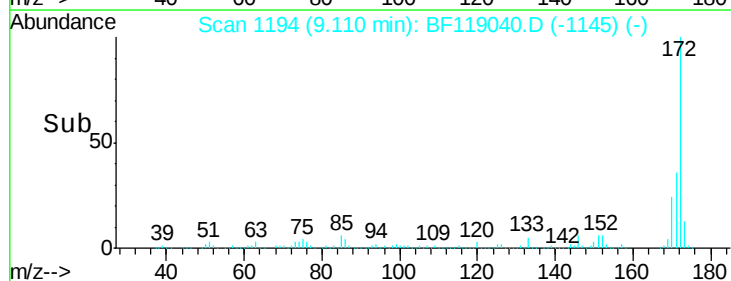
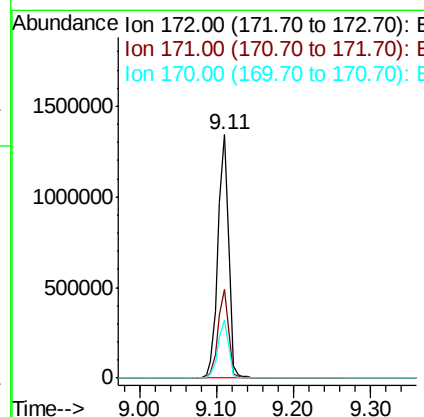
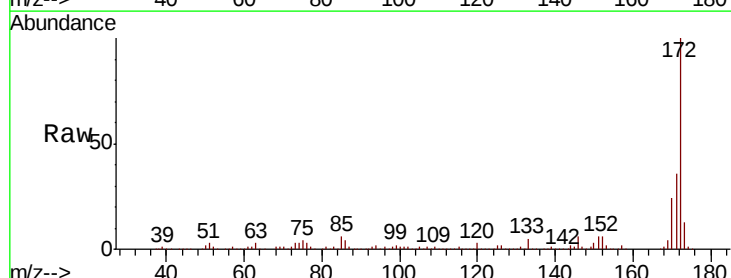
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#45
 2-Fluorobiphenyl
 Concen: 54.158 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.2
170	24.0	19.6	29.4





#50

Dimethylphthalate

Concen: 3.911 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF119040.D

Acq: 25 Feb 2020 00:26

Instrument :

BNA_F

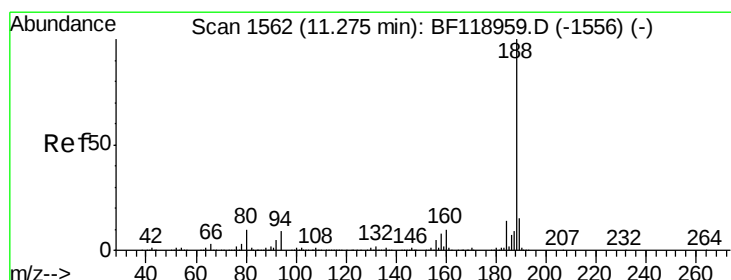
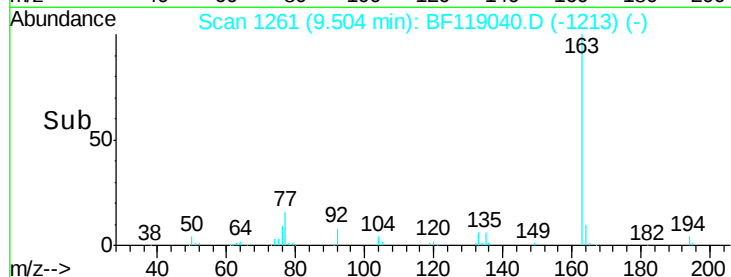
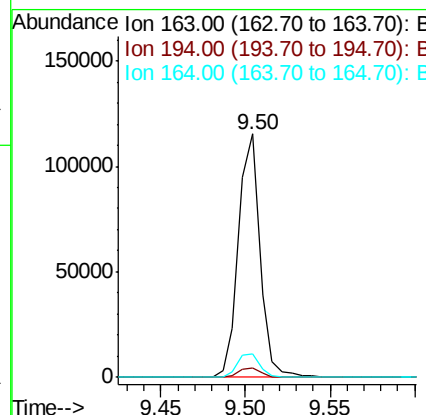
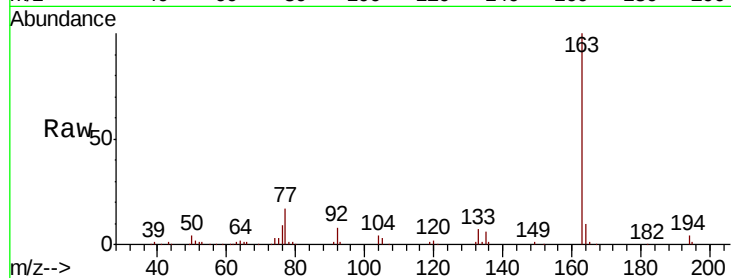
ClientSampleId :

DUNR-TS004-01

Tot Ion:	163	Resp:	102584
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.4	5.2
164	9.6	8.2	12.2

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#64

Phenanthrene-d10

Concen: 20.000 ng

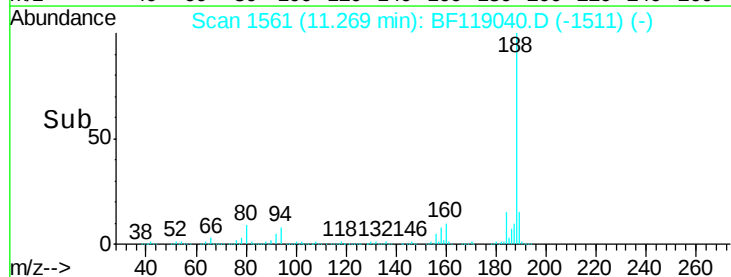
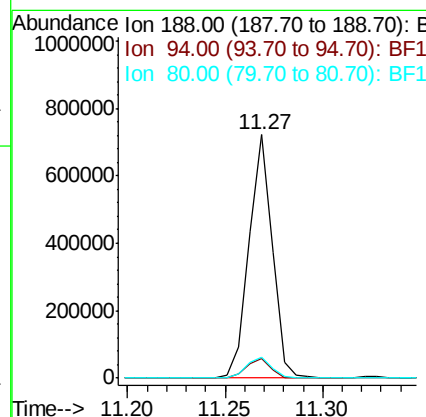
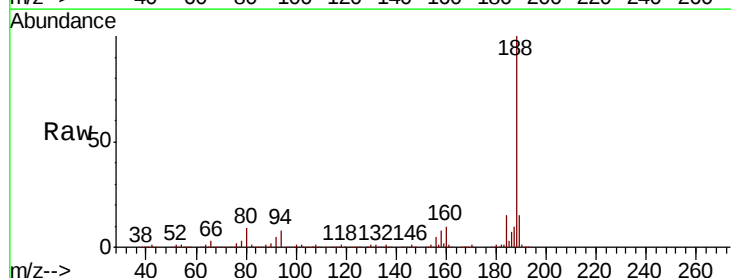
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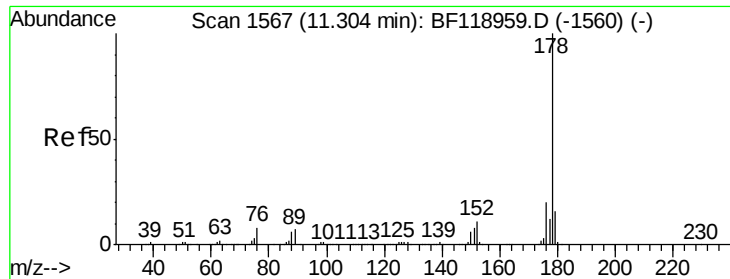
Delta R.T. -0.01 min

Lab File: BF119040.D

Acq: 25 Feb 2020 00:26

Tgt Ion:	188	Resp:	597523
Ion Ratio	Lower	Upper	
188	100		
94	8.3	7.0	10.6
80	8.8	7.9	11.9





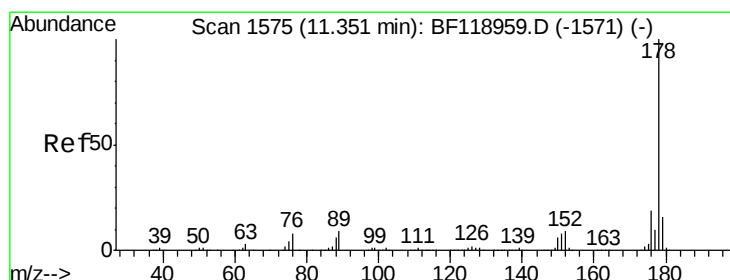
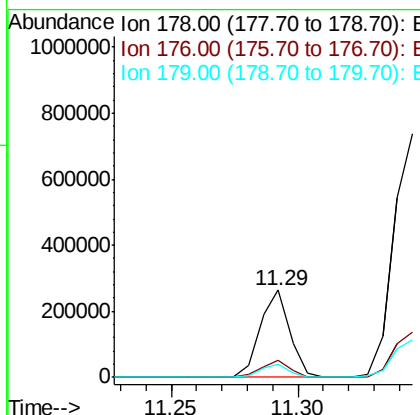
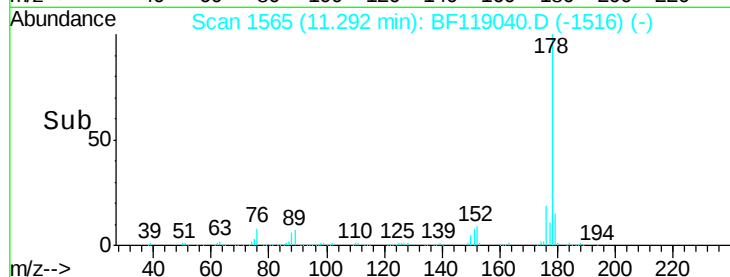
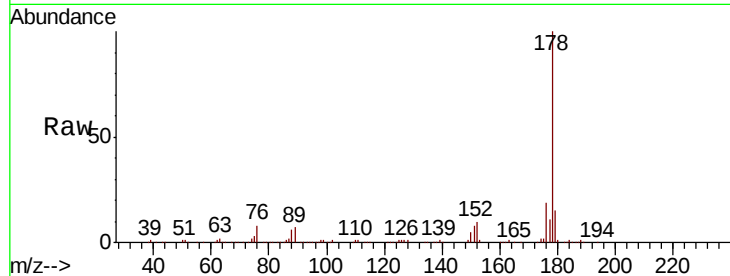
#71
Phenanthrene
Concen: 6.659 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF119040.D
Acq: 25 Feb 2020 00:26

Instrument :
BNA_F
ClientSampleId :
DUNR-TS004-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	14.8	12.6	18.8

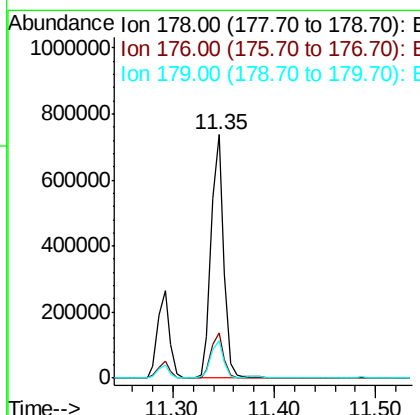
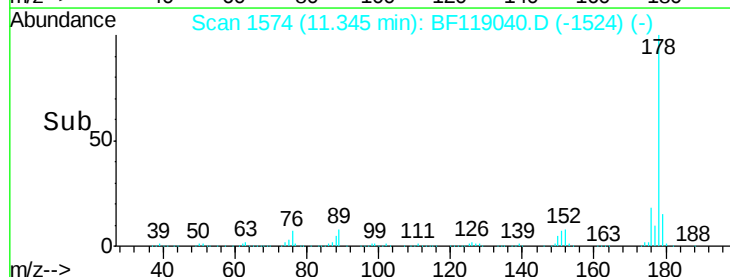
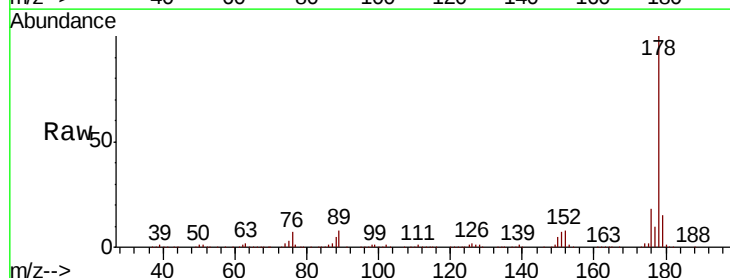
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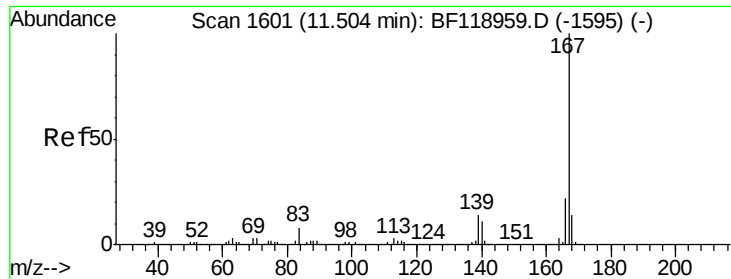
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#72
Anthracene
Concen: 19.678 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF119040.D
Acq: 25 Feb 2020 00:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.3	12.8	19.2





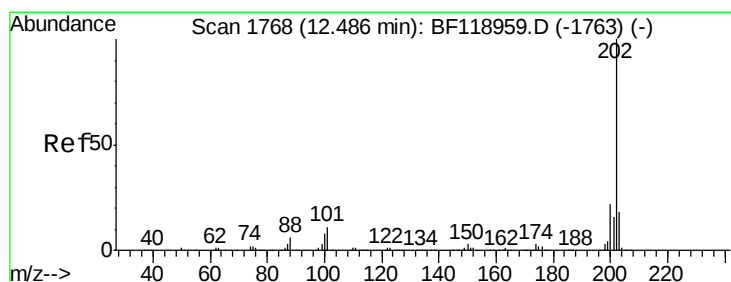
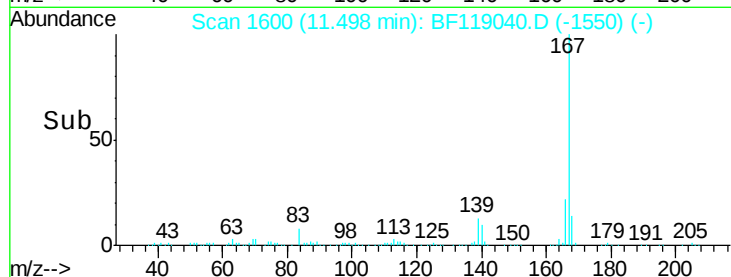
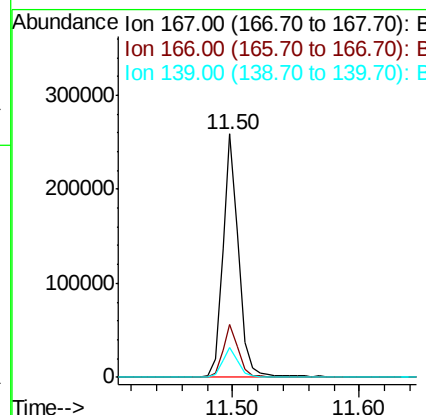
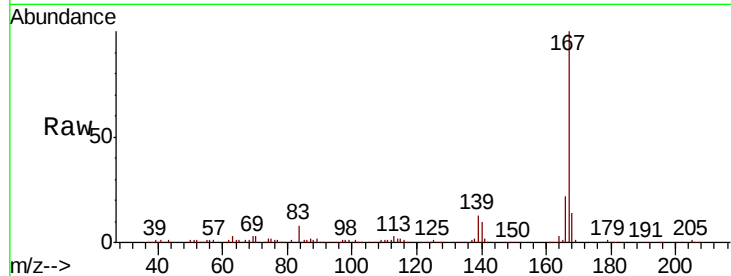
#73
 Carbazole
 Concen: 7.718 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Instrument :
 BNA_F
 ClientSampleId :
 DUNR-TS004-01

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.8	26.6
139	12.5	11.2	16.8

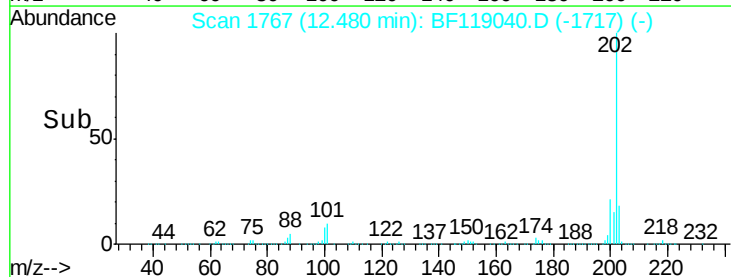
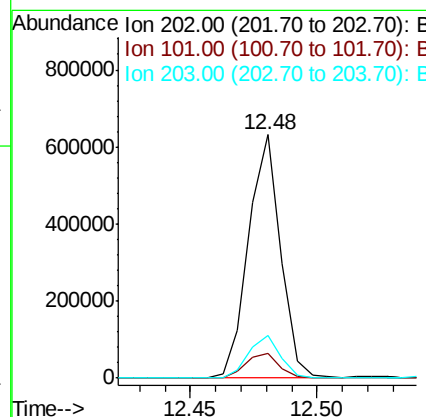
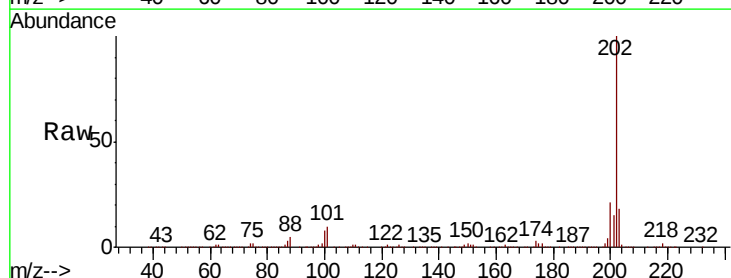
Manual Integrations
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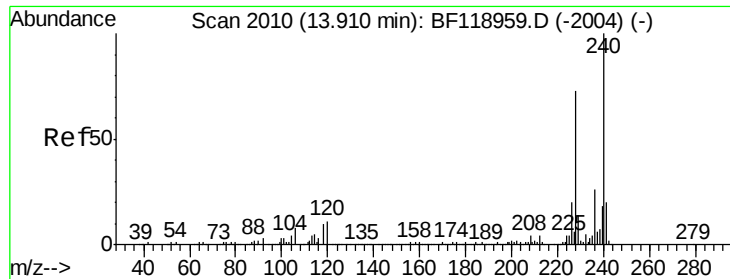
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#75
 Fluoranthene
 Concen: 16.027 ng
 RT: 12.48 min Scan# 1767
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.1
203	17.7	0.0	38.1





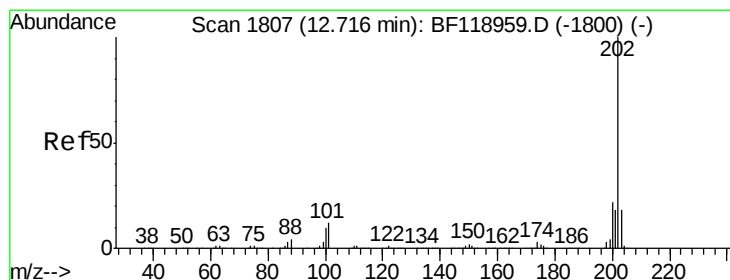
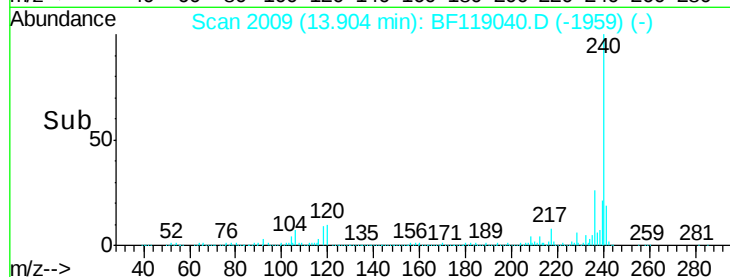
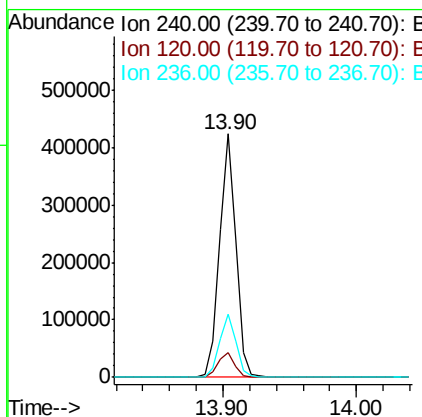
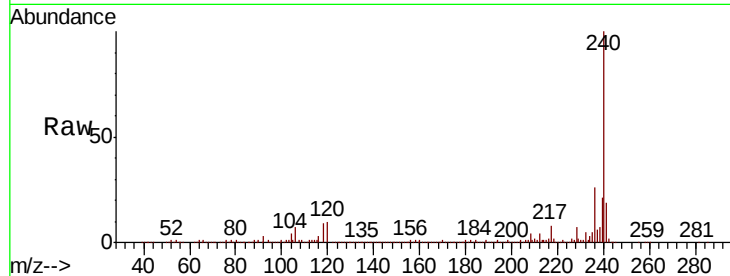
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Instrument :
 BNA_F
 ClientSampleId :
 DUNR-TS004-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.9	13.3
236	25.9	20.6	30.8

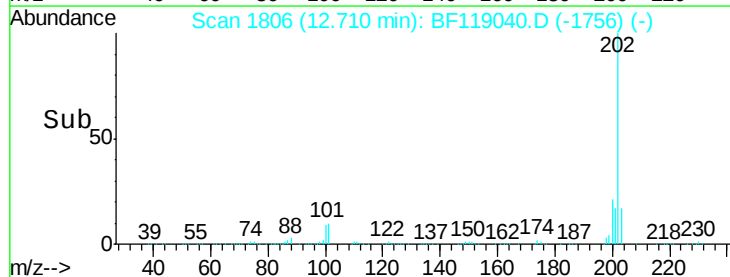
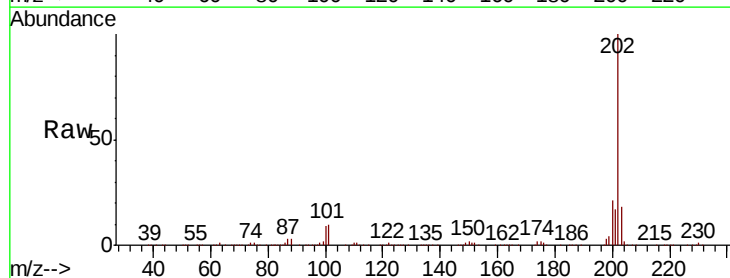
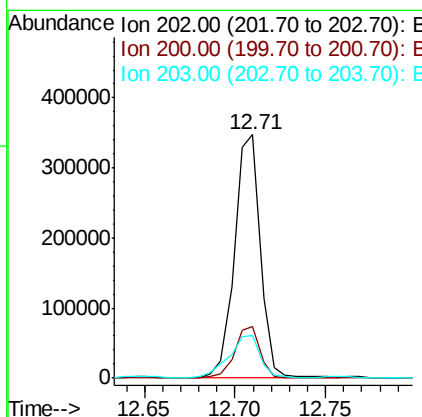
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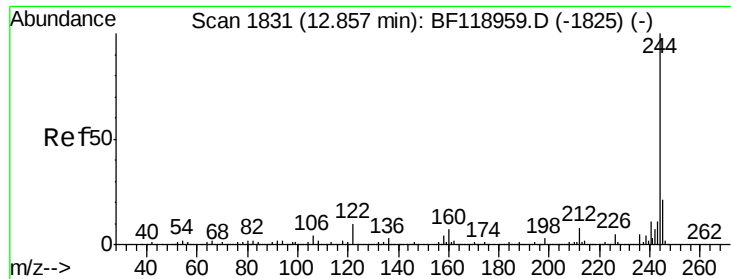
mohammad
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#78
 Pyrene
 Concen: 11.577 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.0
203	17.6	14.5	21.7





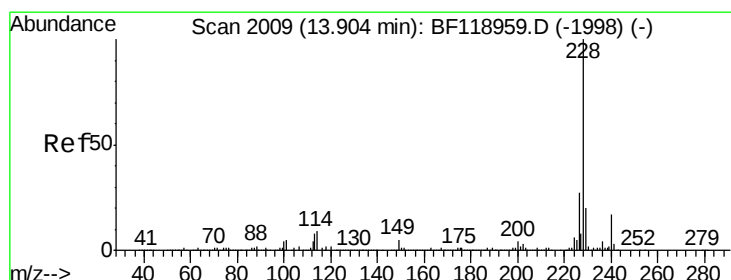
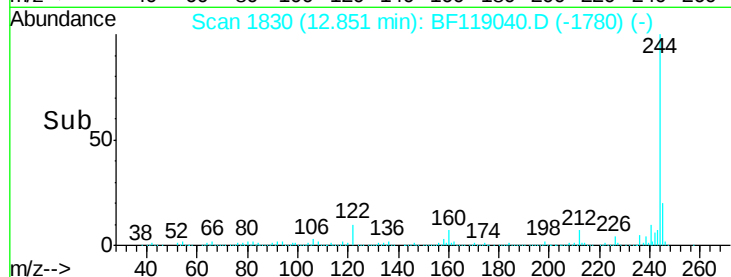
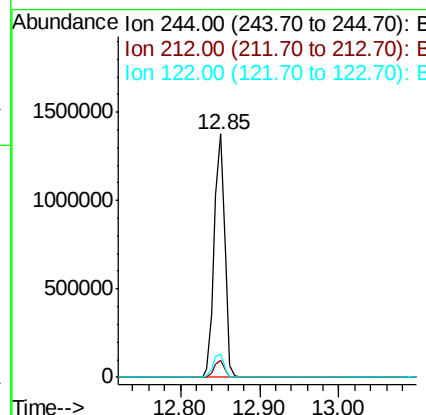
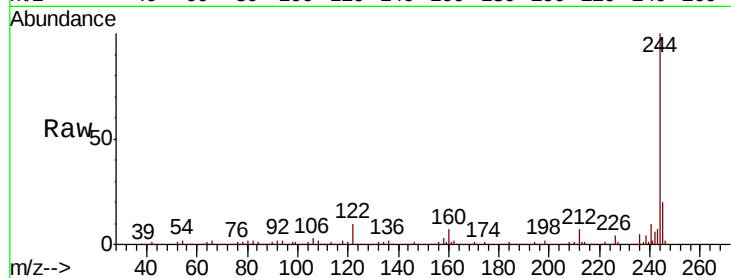
#79
 Terphenyl-d14
 Concen: 58.987 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Instrument :
 BNA_F
 ClientSampleId :
 DUNR-TS004-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.3	9.5
122	9.7	8.4	12.6

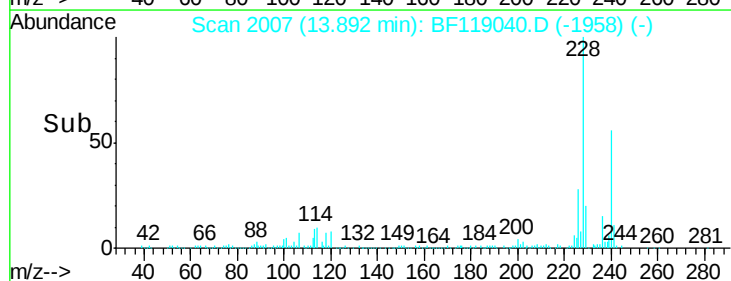
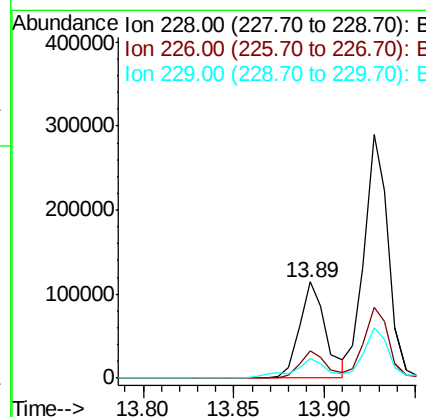
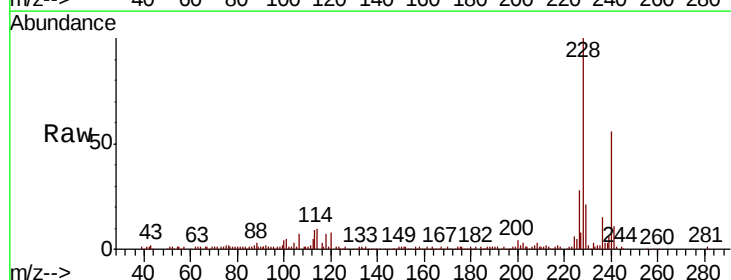
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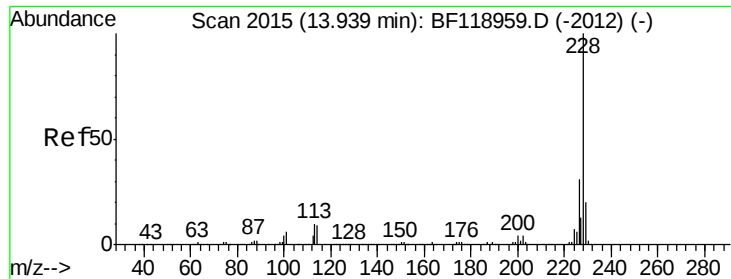
mohammad
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#81
 Benzo(a)anthracene
 Concen: 4.643 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	21.0	16.0	24.0





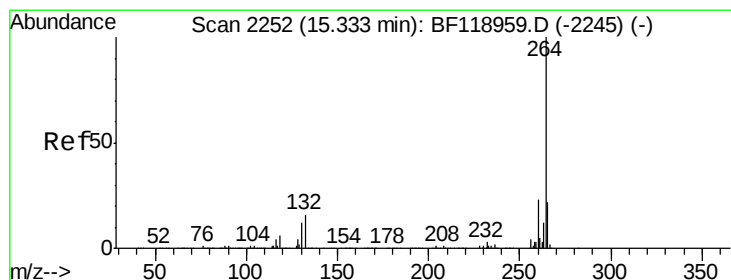
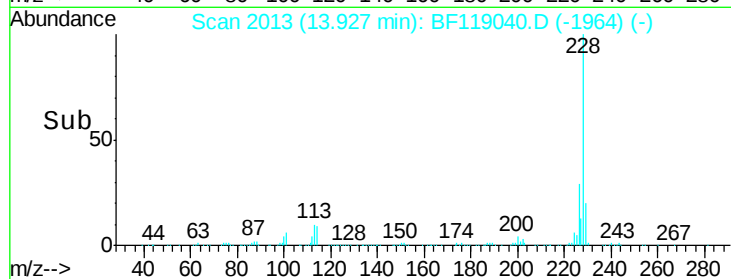
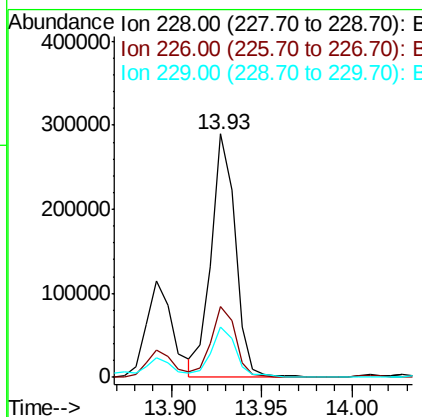
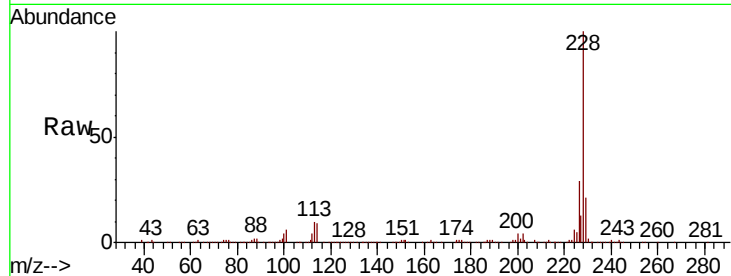
#83
Chrysene
Concen: 10.627 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF119040.D
Acq: 25 Feb 2020 00:26

Instrument :
BNA_F
ClientSampleId :
DUNR-TS004-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		266681		
226	29.3	24.6	37.0		
229	20.5	16.2	24.2		

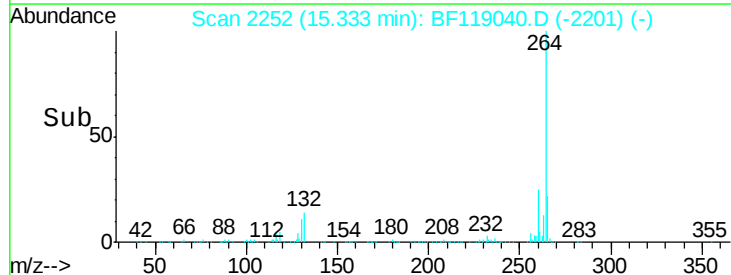
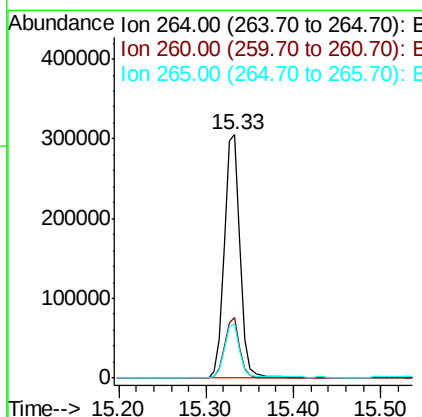
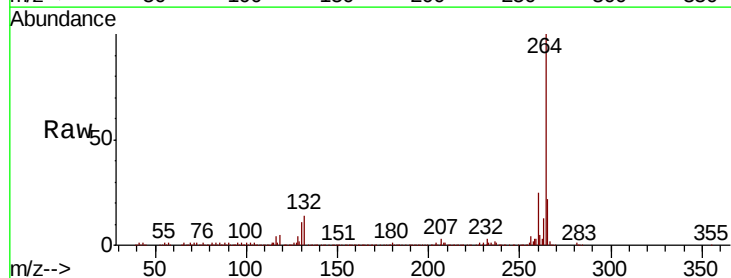
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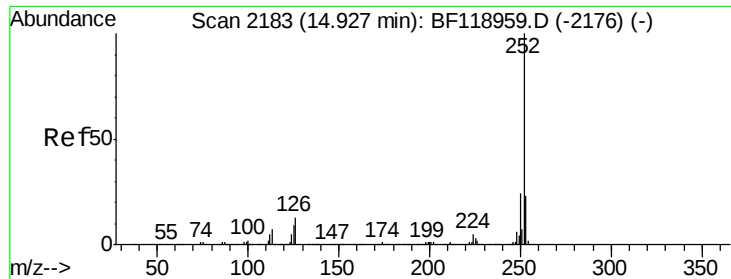
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.00 min
Lab File: BF119040.D
Acq: 25 Feb 2020 00:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100		380717		
260	24.8	18.6	28.0		
265	22.1	17.3	25.9		





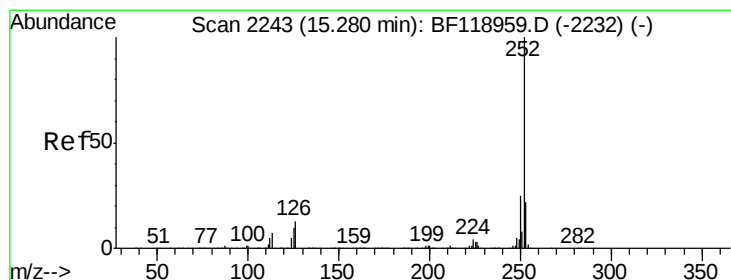
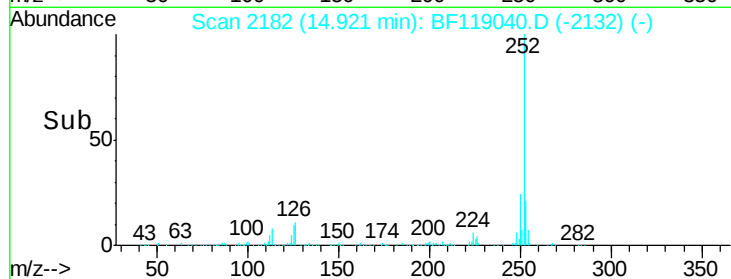
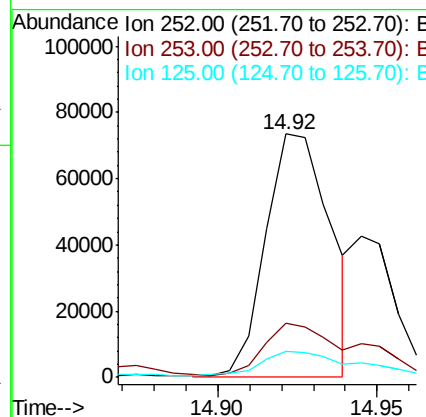
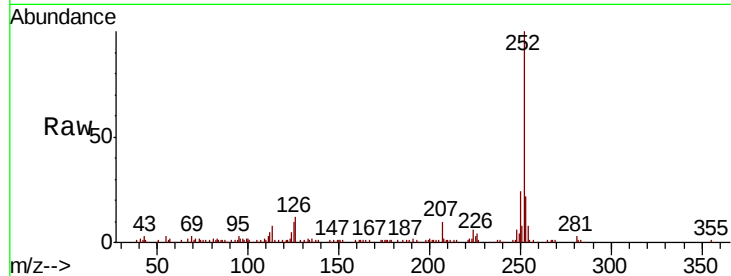
#88
Benzo(b)fluoranthene
Concen: 4.147 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BF119040.D
Acq: 25 Feb 2020 00:26

Instrument :
BNA_F
ClientSampleId :
DUNR-TS004-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	10.5	7.4	11.0

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 2.523 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF119040.D
Acq: 25 Feb 2020 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	10.5	7.8	11.6

