

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093019\
 Data File : BF117268.D
 Acq On : 30 Sep 2019 18:42
 Operator : JU
 Sample : K5038-05DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DN-3DL

Manual Integrations
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mohammad
 10/2/2019 8:32:32 AM

Quant Time: Oct 01 11:56:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	32092	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	131565	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	65397	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	104318	20.00	ng	0.00
76) Chrysene-d12	13.97	240	66921	20.00	ng	0.00
87) Perylene-d12	15.43	264	84246	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	39153	19.05	ng	0.00
7) Phenol-d6	6.45	99	55448	20.87	ng	0.00
23) Nitrobenzene-d5	7.37	82	35978	14.37	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	10457	19.13	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	66808	15.97	ng	-0.01
79) Terphenyl-d14	12.91	244	57917	16.18	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	10337	2.232	ng	98
71) Phenanthrene	11.35	178	163145	27.534	ng	97
72) Anthracene	11.40	178	46664	7.714	ng	98
75) Fluoranthene	12.54	202	207925	34.152	ng	97
78) Pyrene	12.77	202	189959	33.830	ng	97
81) Benzo(a)anthracene	13.96	228	69818	15.615	ng	98
83) Chrysene	14.00	228	63924m	14.659	ng	
86) Indeno(1,2,3-cd)pyrene	16.87	276	46254m	14.539	ng	
88) Benzo(b)fluoranthene	15.00	252	81219m	15.916	ng	
89) Benzo(k)fluoranthene	15.03	252	26122m	5.404	ng	
90) Benzo(a)pyrene	15.36	252	64985	14.512	ng	99
91) Dibenzo(a,h)anthracene	16.87	278	9900m	2.775	ng	
92) Benzo(a,h,i)perylene	17.31	276	42358	11.916	ng	98

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

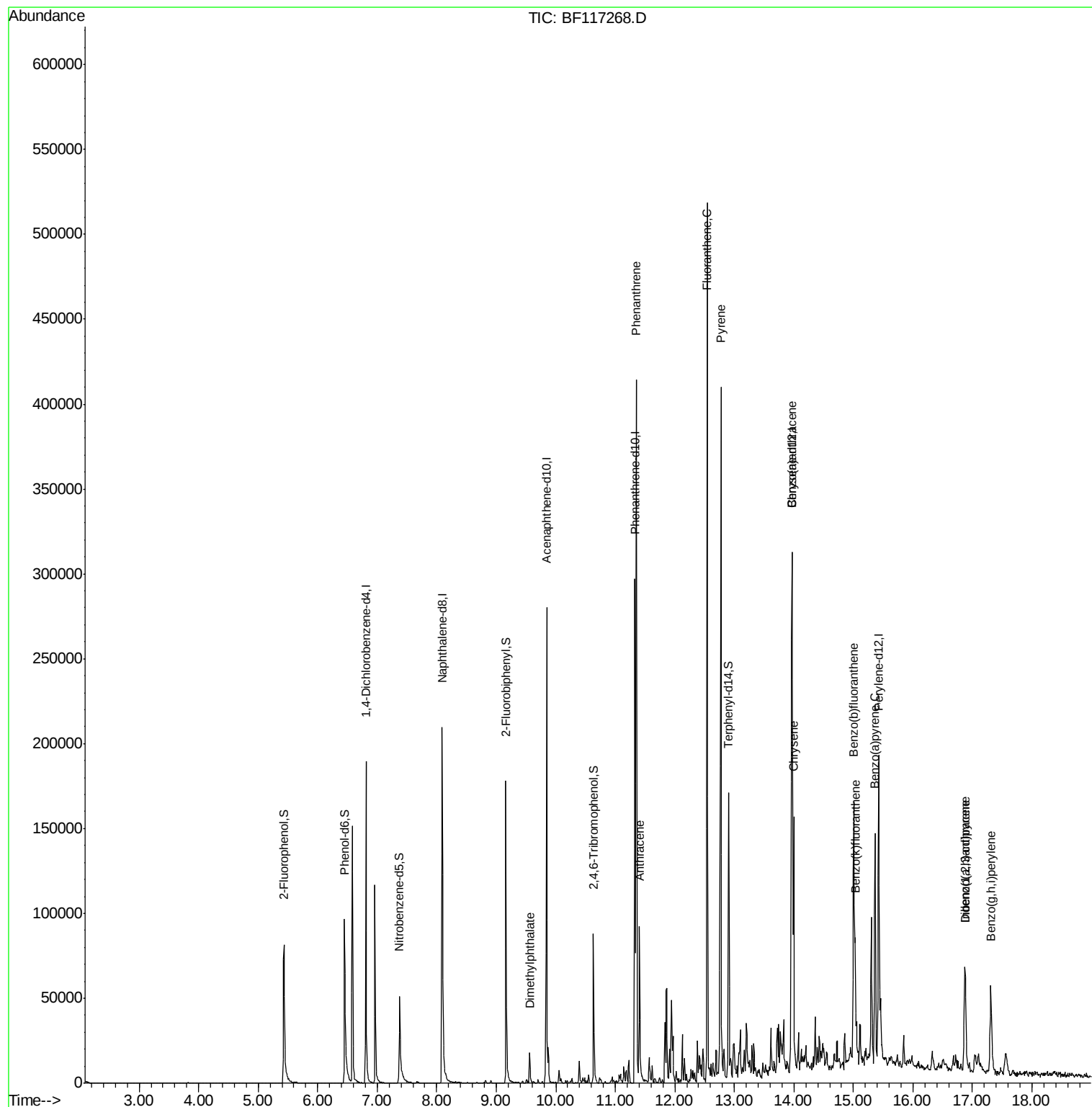
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093019\
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ALS Vial : 6 Sample Multiplier: 1

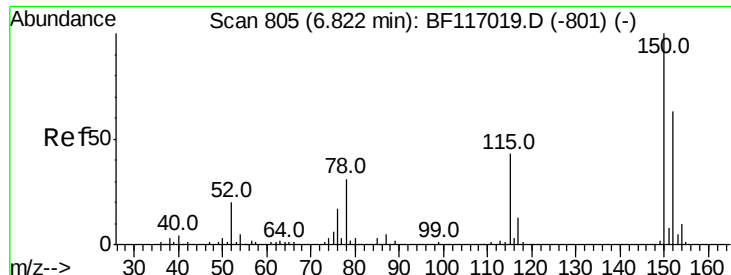
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

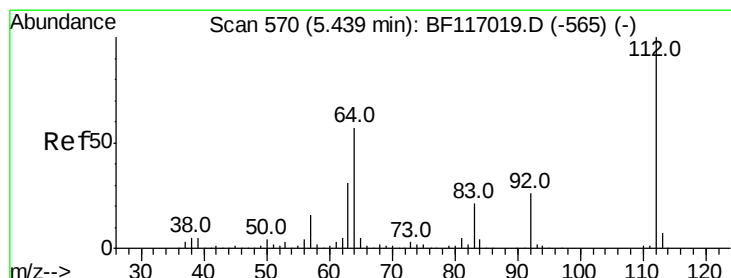
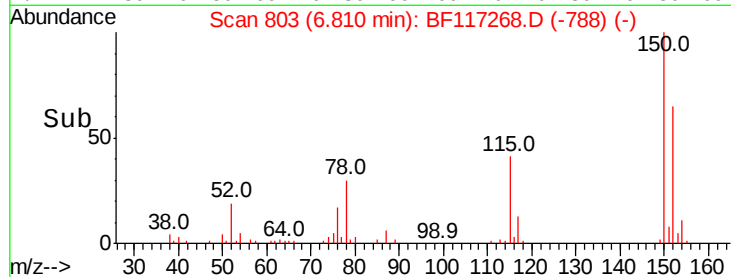
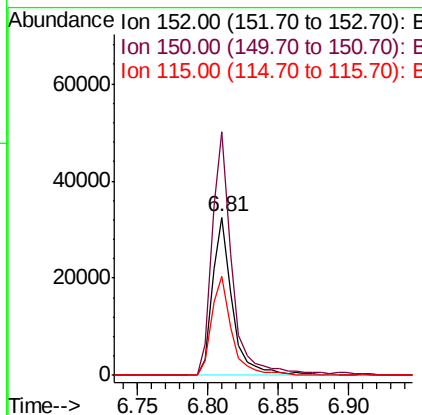
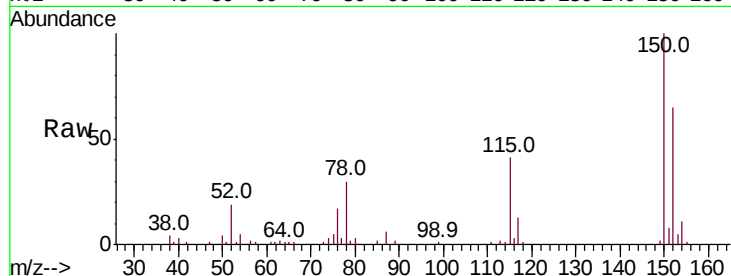
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117268.D
Acq: 30 Sep 2019 18:42

Instrument :
BNA_F
ClientSampleId :
DN-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	127.5	191.3
115	62.8	55.0	82.4

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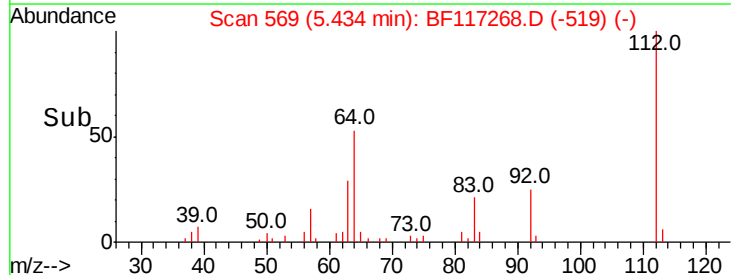
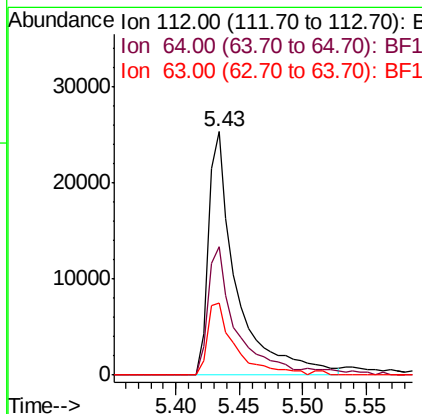
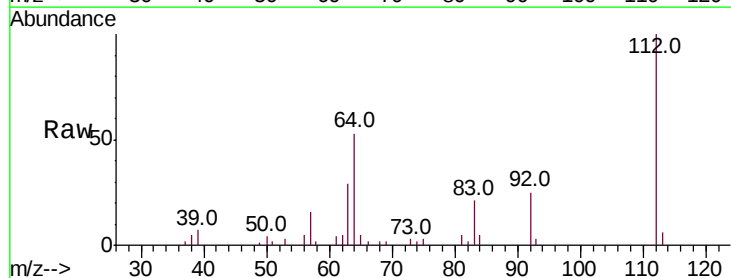
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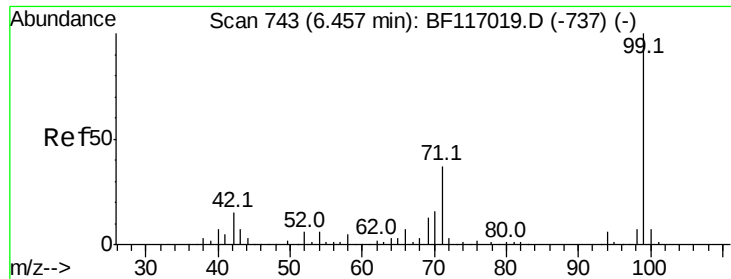


#5

2-Fluorophenol
Concen: 19.048 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117268.D
Acq: 30 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	45.7	68.5
63	29.5	24.9	37.3





#7

Phenol-d6

Concen: 20.873 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117268.D

Acq: 30 Sep 2019 18:42

Instrument :

BNA_F

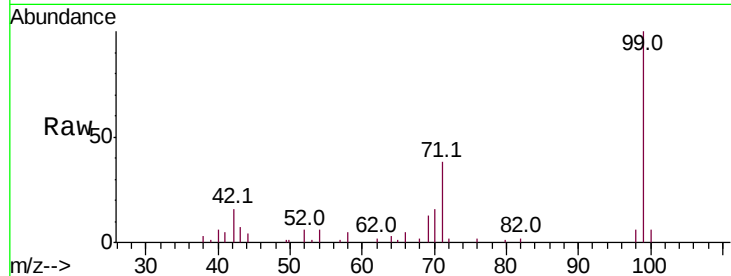
ClientSampleId :

DN-3DL

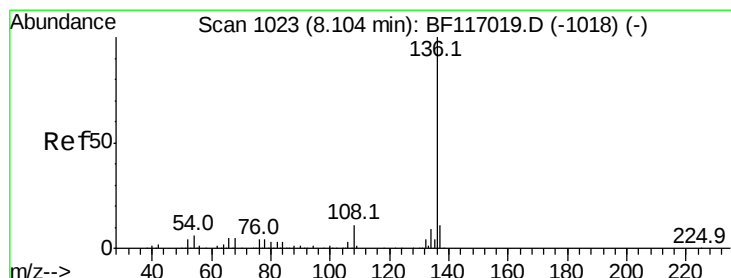
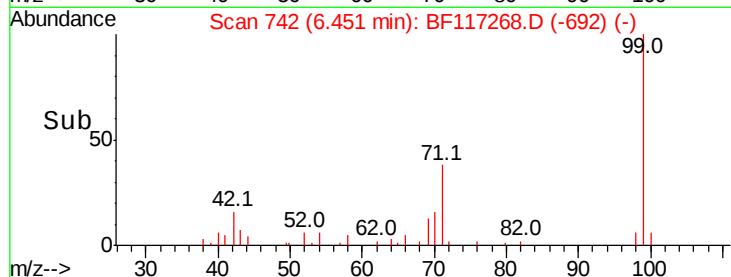
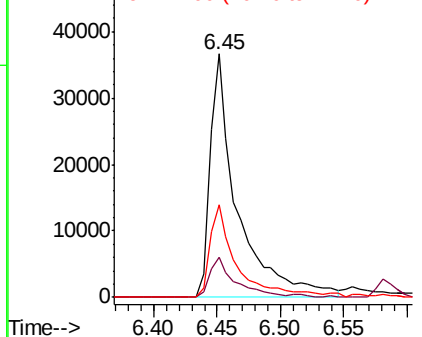
Tot Ion:	99	Resp:	55448
Ion	Ratio	Lower	Upper
99	100		
42	16.5	12.2	18.2
71	38.1	29.8	44.8

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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: 8.09 min Scan# 1021

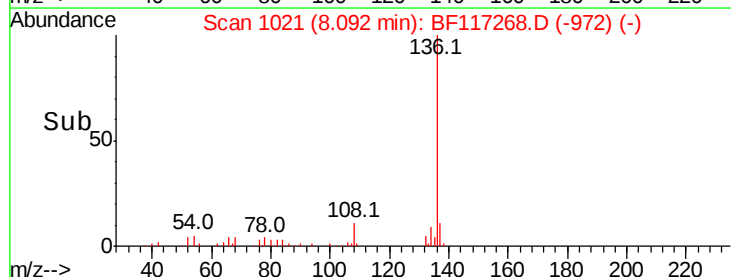
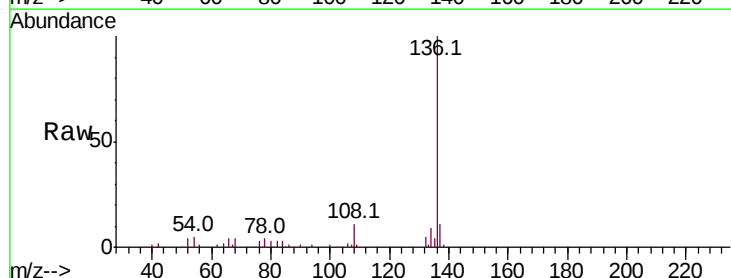
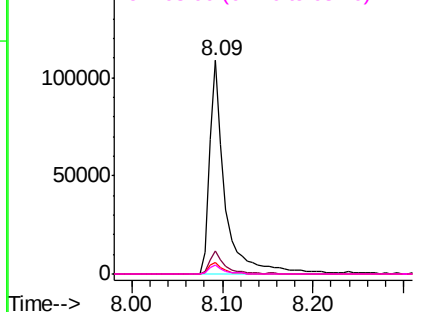
Delta R.T. -0.01 min

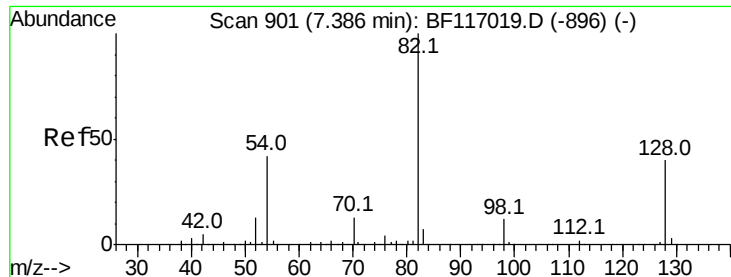
Lab File: BF117268.D

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Tgt Ion:	136	Resp:	131565
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	5.2	4.5	6.7
68	4.2	4.0	6.0

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





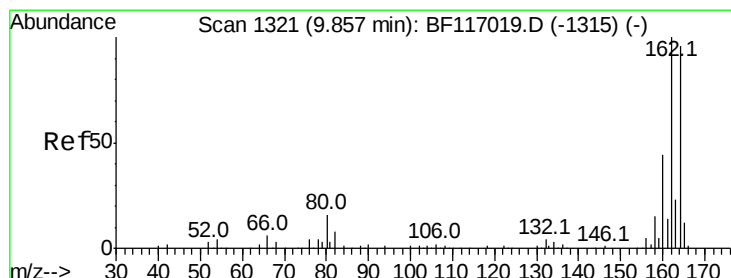
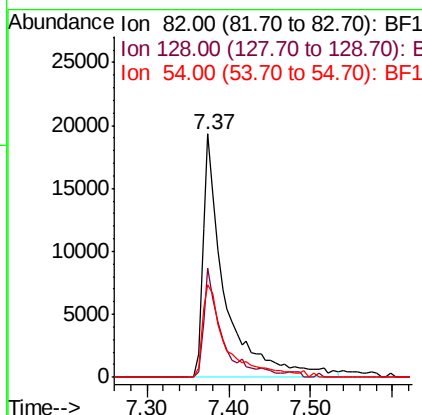
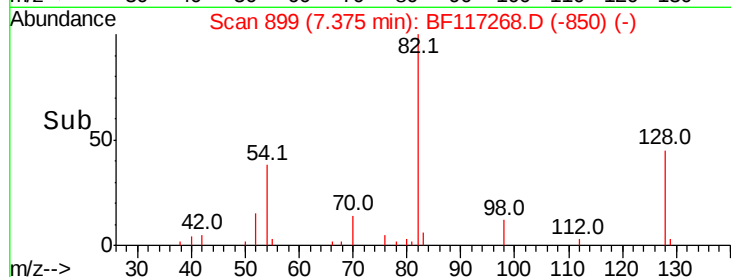
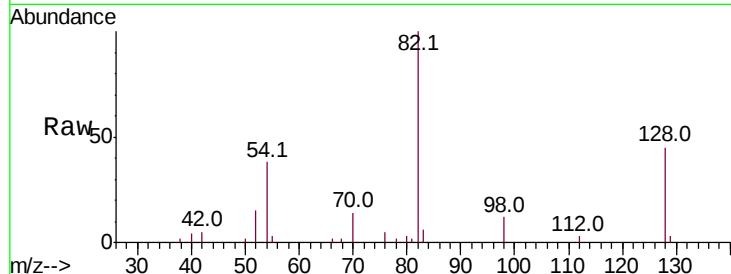
#23
 Nitrobenzene-d5
 Concen: 14.368 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF117268.D
 Acq: 30 Sep 2019 18:42

Instrument :
 BNA_F
 ClientSampled :
 DN-3DL

Tot Ion	82	Resp	35978
Ion Ratio	100	Lower	Upper
128	44.6	32.3	48.5
54	37.9	33.3	49.9

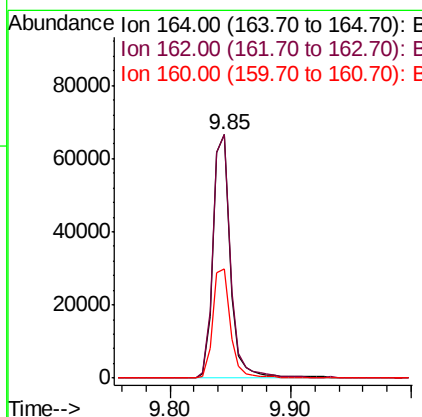
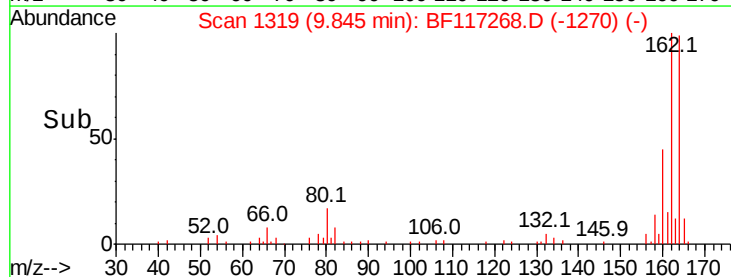
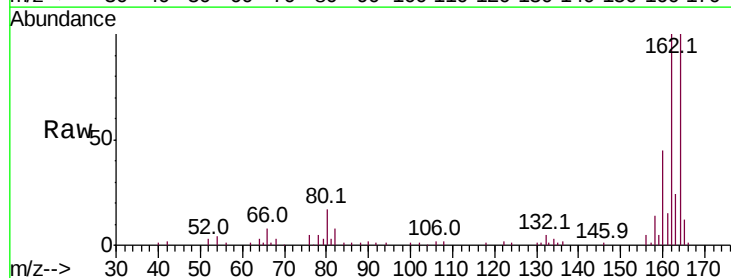
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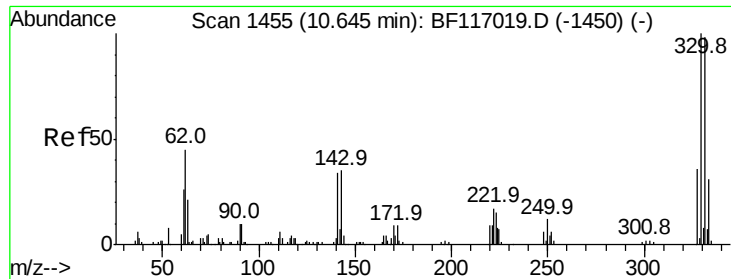
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF117268.D
 Acq: 30 Sep 2019 18:42

Tgt Ion	164	Resp	65397
Ion Ratio	100	Lower	Upper
162	100.2	83.4	125.2
160	45.2	36.4	54.6





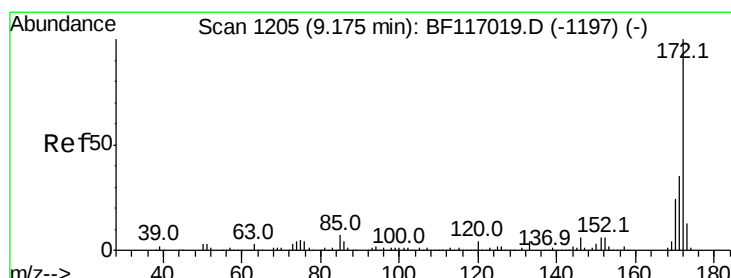
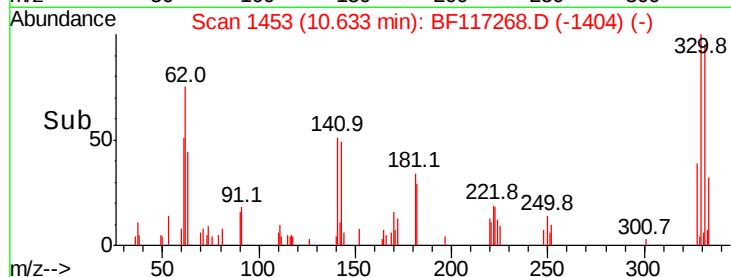
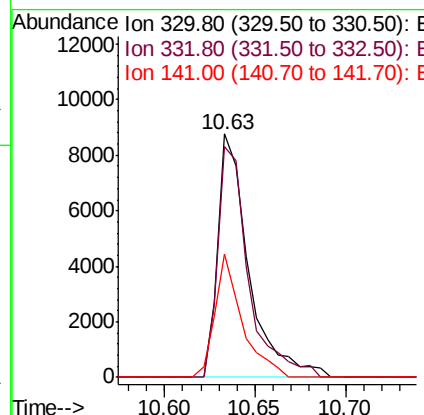
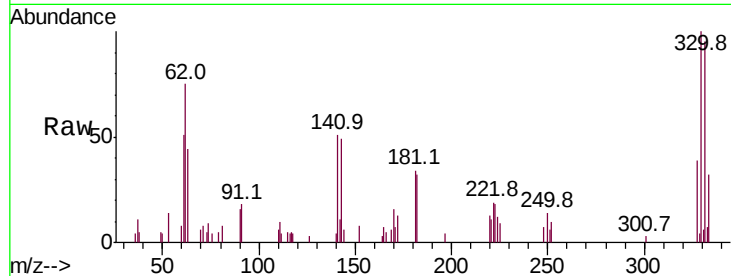
#42
 2,4,6-Tribromophenol
 Concen: 19.132 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF117268.D
 Acq: 30 Sep 2019 18:42

Instrument :
 BNA_F
 ClientSampled :
 DN-3DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.6	78.0	117.0
141	43.9	35.8	53.6

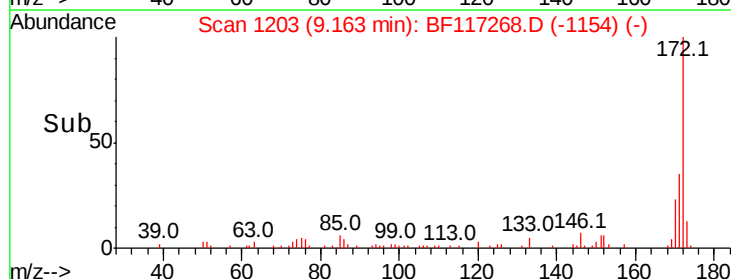
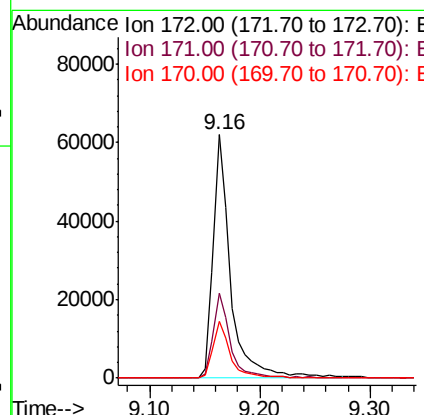
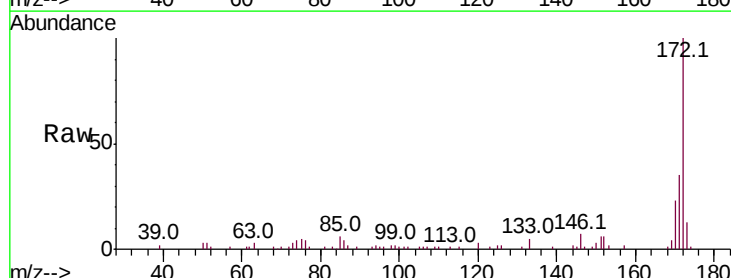
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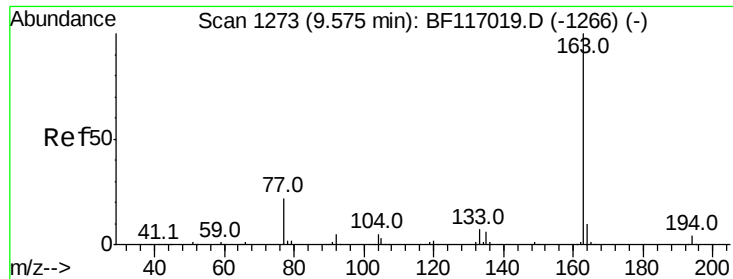
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#45
 2-Fluorobiphenyl
 Concen: 15.973 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF117268.D
 Acq: 30 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	23.2	18.9	28.3





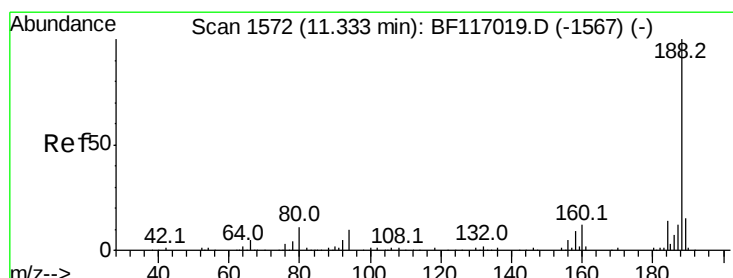
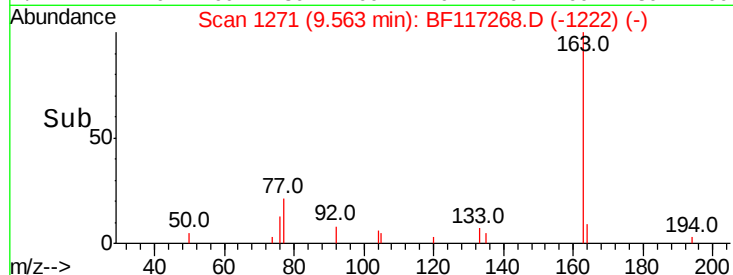
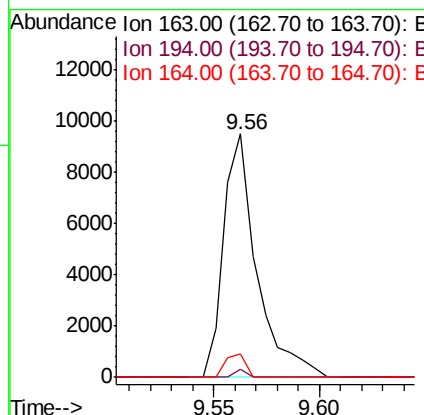
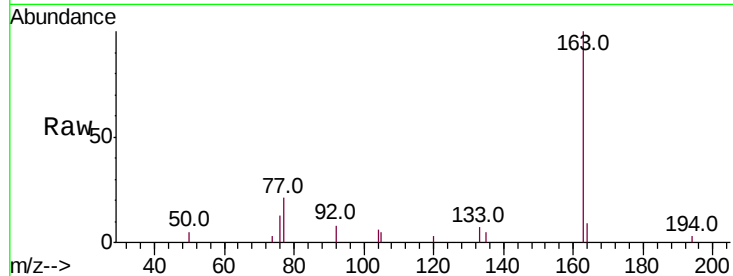
#50
Dimethylphthalate
Concen: 2.232 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117268.D
Acq: 30 Sep 2019 18:42

Instrument :
BNA_F
ClientSampleId :
DN-3DL

Tot Ion:	163	Resp:	10337
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.9	4.3
164	9.4	8.2	12.4

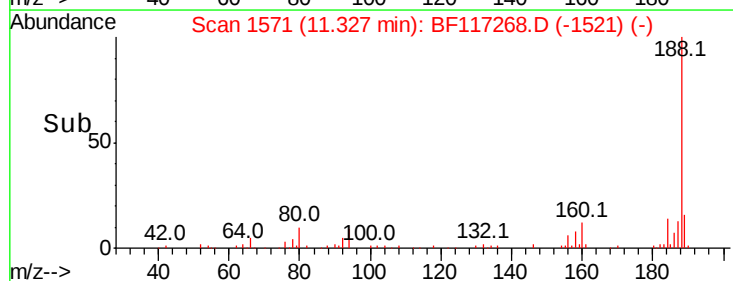
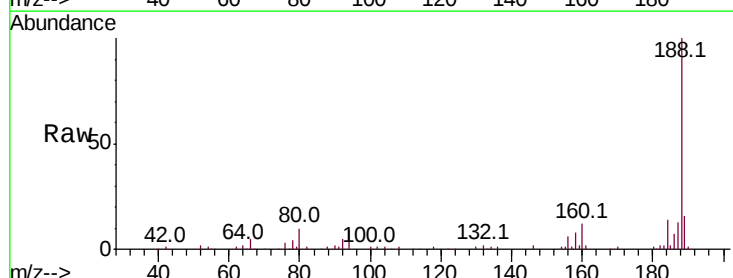
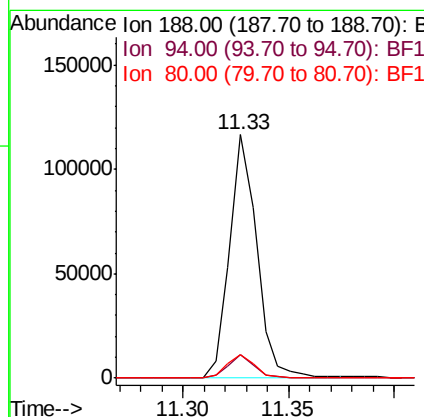
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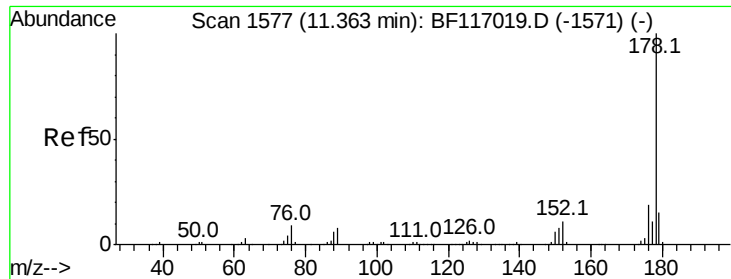
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117268.D
Acq: 30 Sep 2019 18:42

Tgt Ion:	188	Resp:	104318
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.2	12.2
80	9.9	9.0	13.6





#71

Phenanthrene

Concen: 27.534 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF117268.D

Acq: 30 Sep 2019 18:42

Instrument :

BNA_F

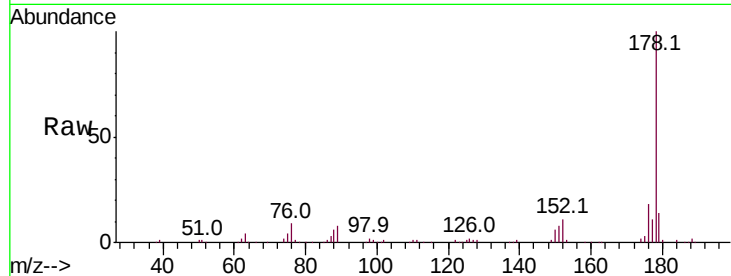
ClientSampleId :

DN-3DL

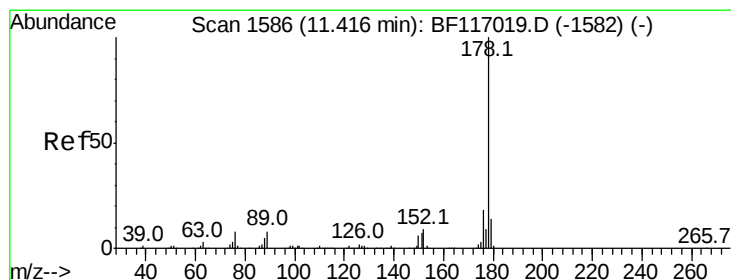
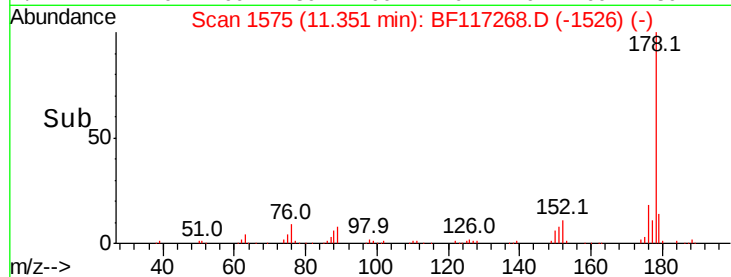
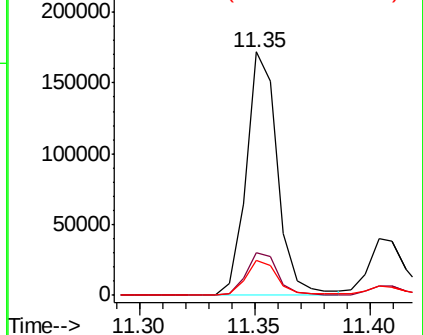
Tot Ion:178	Resp:	163145
Ion Ratio	Lower	Upper
178	100	
176	17.7	15.4 23.2
179	14.3	12.4 18.6

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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: 7.714 ng

RT: 11.40 min Scan# 1584

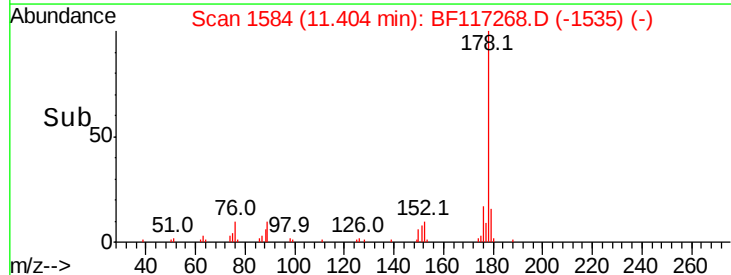
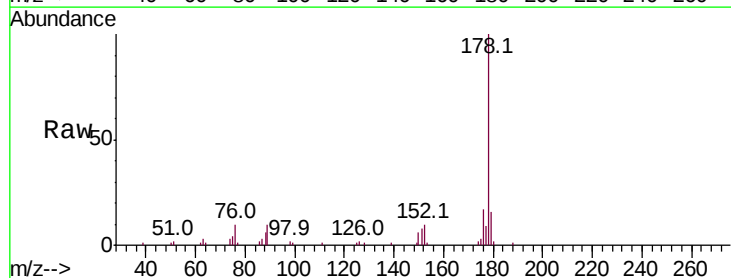
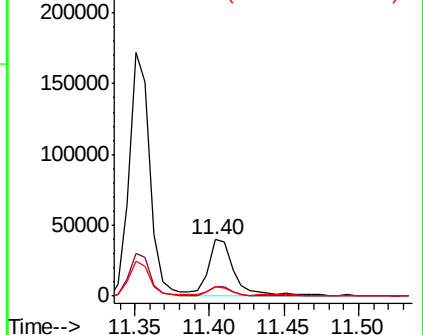
Delta R.T. -0.01 min

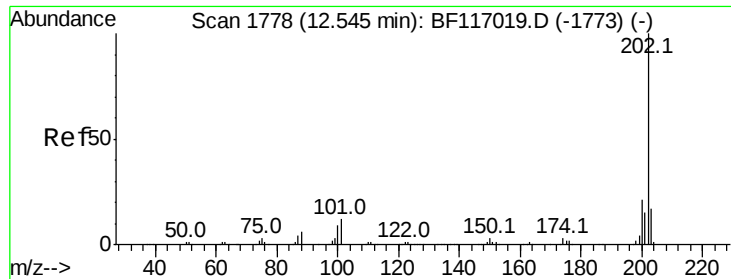
Lab File: BF117268.D

Acq: 30 Sep 2019 18:42

Tgt Ion:178	Resp:	46664
Ion Ratio	Lower	Upper
178	100	
176	17.4	14.6 21.8
179	15.6	11.6 17.4

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: 34.152 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BF117268.D

Acq: 30 Sep 2019 18:42

Instrument :

BNA_F

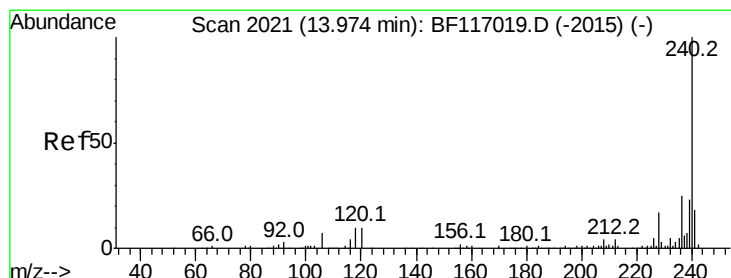
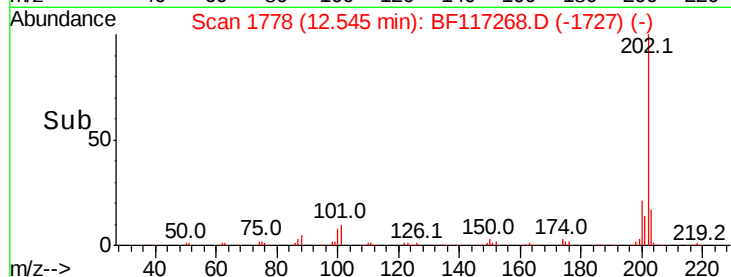
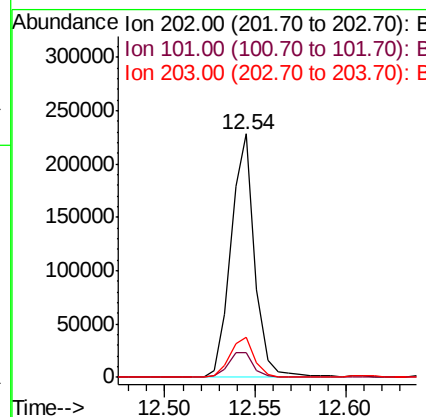
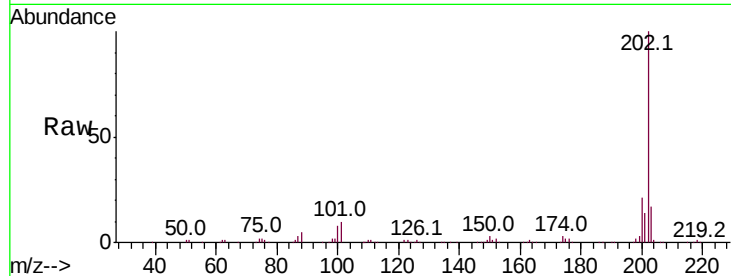
ClientSampleId :

DN-3DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.9	0.0	32.3
203	16.7	0.0	37.1

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#76

Chrysene-d12

Concen: 20.000 ng

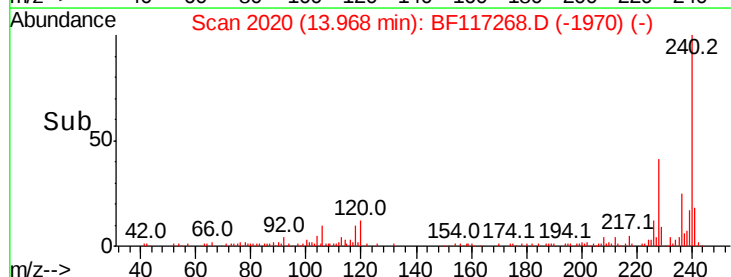
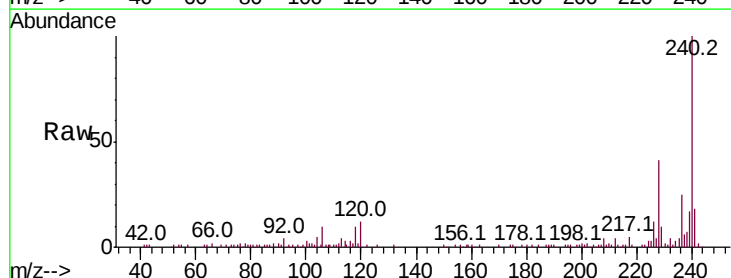
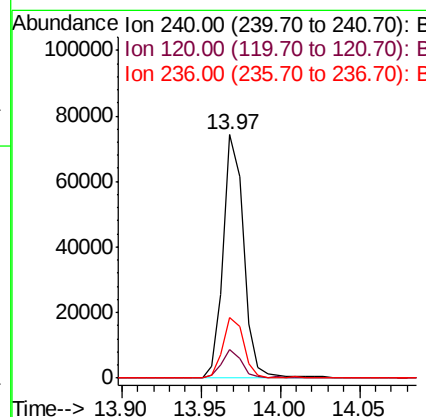
RT: 13.97 min Scan# 2020

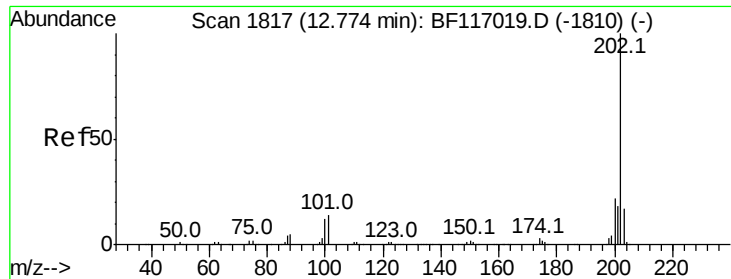
Delta R.T. -0.01 min

Lab File: BF117268.D

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Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	8.3	12.5
236	24.8	20.3	30.5





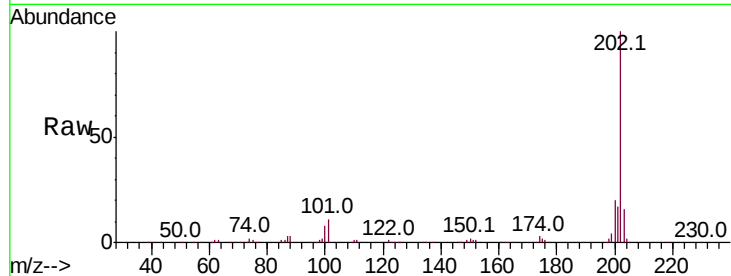
#78
Pvrene
Concen: 33.830 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF117268.D
Acq: 30 Sep 2019 18:42

Instrument :
BNA_F
ClientSampled :
DN-3DL

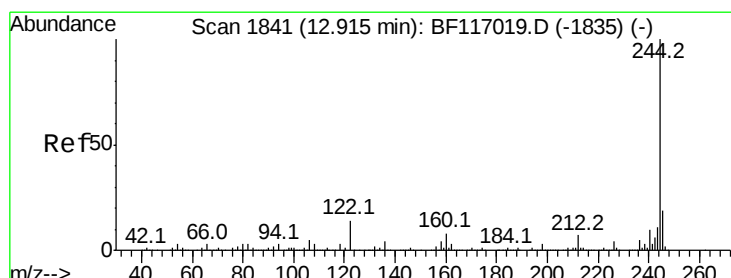
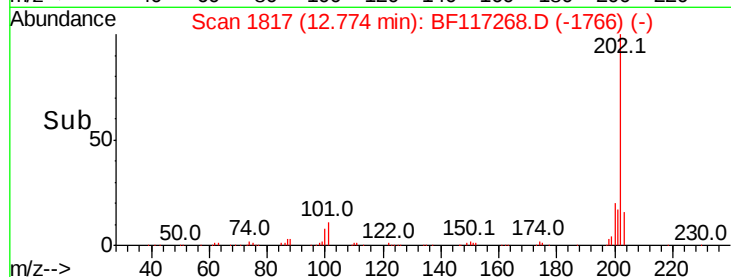
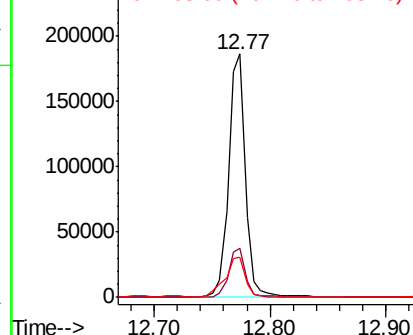
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	17.2	25.8
203	16.4	14.0	21.0

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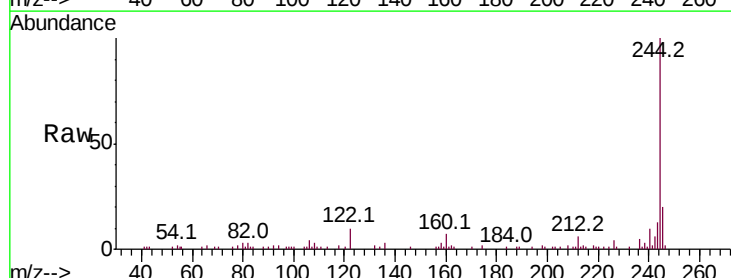


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

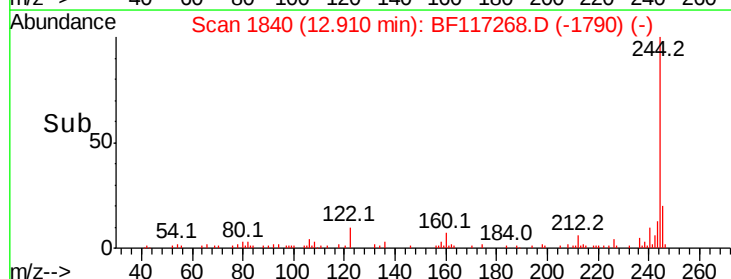
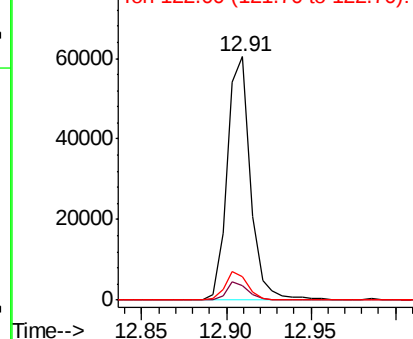


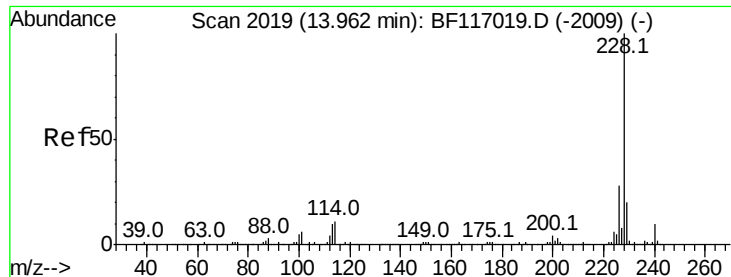
#79
Terphenyl-d14
Concen: 16.177 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117268.D
Acq: 30 Sep 2019 18:42

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.1	5.8	8.8
122	9.7	11.3	16.9#



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: 15.615 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BF117268.D

Acq: 30 Sep 2019 18:42

Instrument :

BNA_F

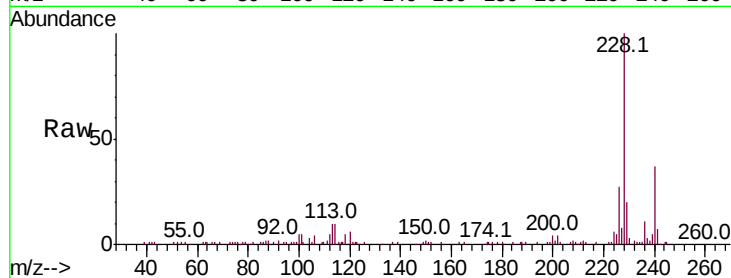
ClientSampleId :

DN-3DL

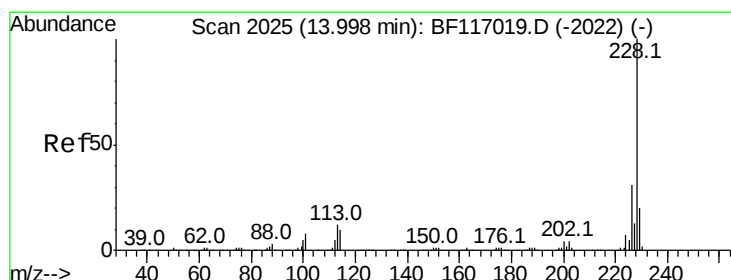
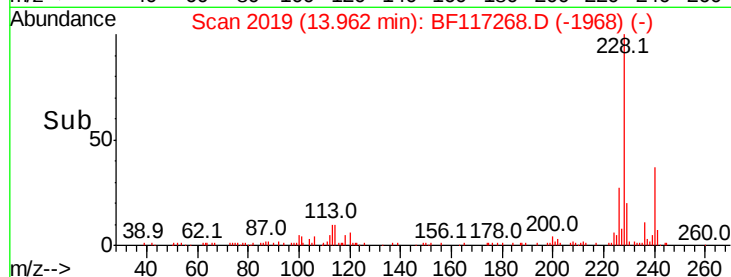
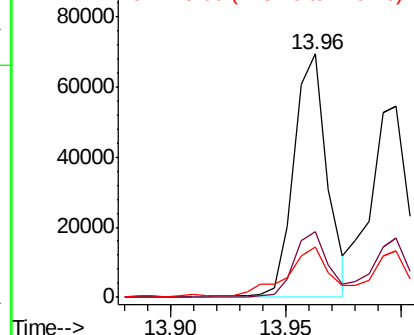
Tot Ion:228	Resp:	69818
Ion Ratio	Lower	Upper
228	100	
226	27.0	22.3 33.5
229	20.5	15.9 23.9

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 14.659 ng m

RT: 14.00 min Scan# 2025

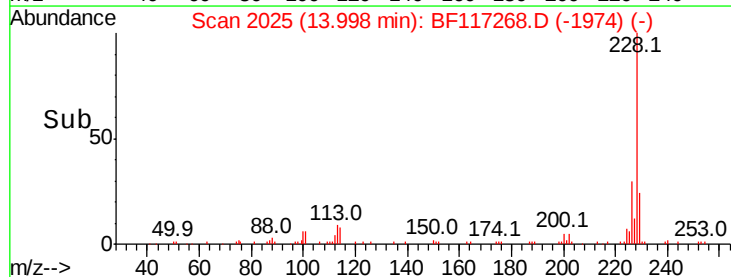
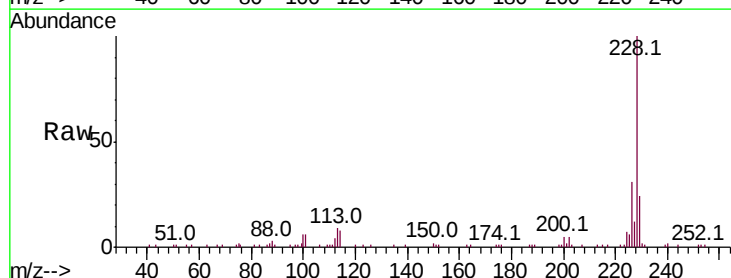
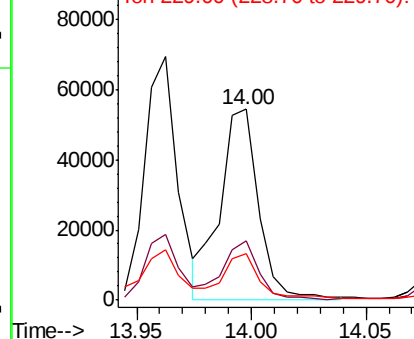
Delta R.T. -0.00 min

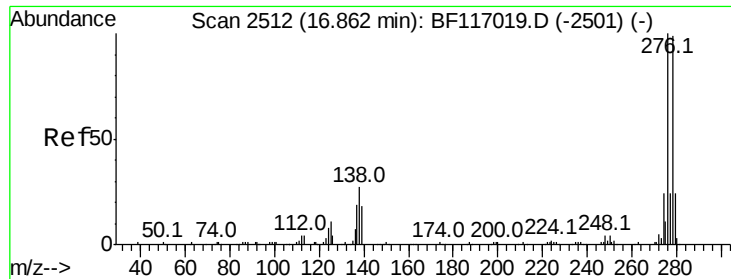
Lab File: BF117268.D

Acq: 30 Sep 2019 18:42

Tgt Ion:228	Resp:	63924
Ion Ratio	Lower	Upper
228	100	
226	31.0	24.8 37.2
229	24.0	15.8 23.8#

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





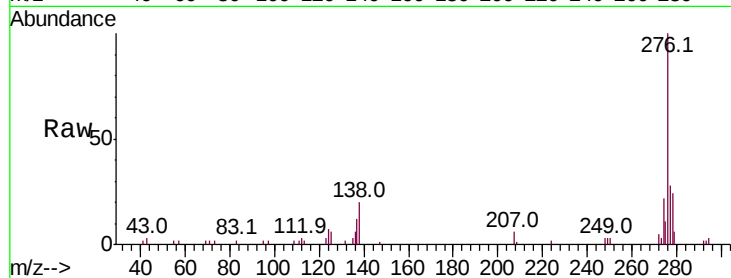
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 14.539 ng
 RT: 16.87 min Scan# 2514
 Delta R.T. 0.01 min
 Lab File: BF117268.D
 Acq: 30 Sep 2019 18:42

Instrument :
 BNA_F
 ClientSampleID :
 DN-3DL

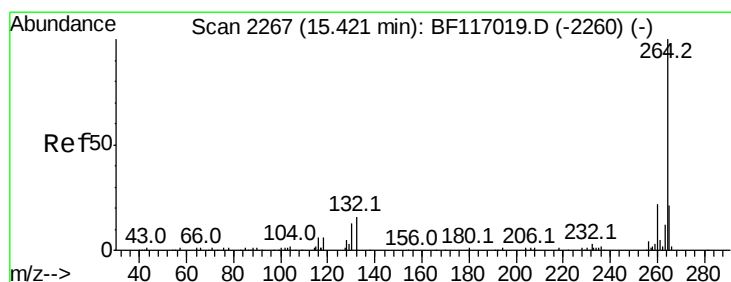
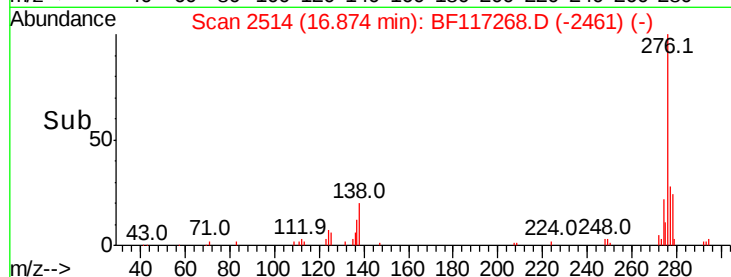
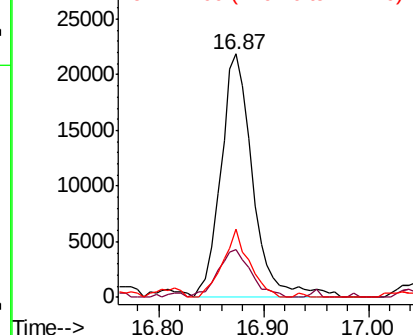
Tot Ion	Ratio	Lower	Upper
276	100		
138	2.8	20.7	31.1#
277	3.5	19.8	29.8#

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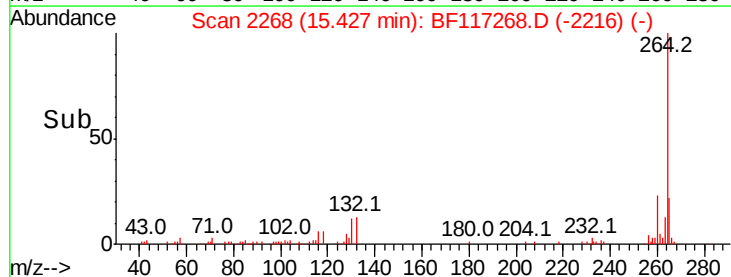
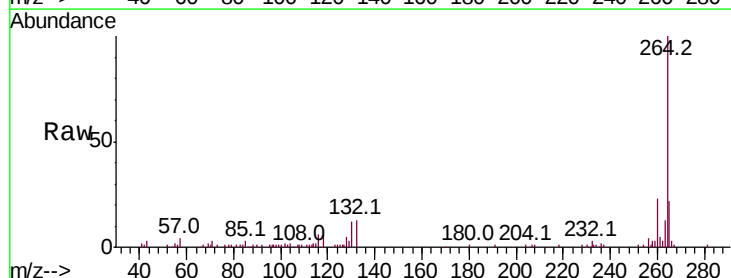
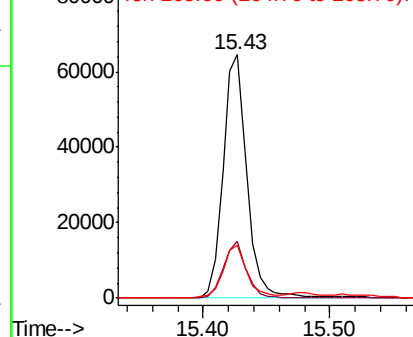
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

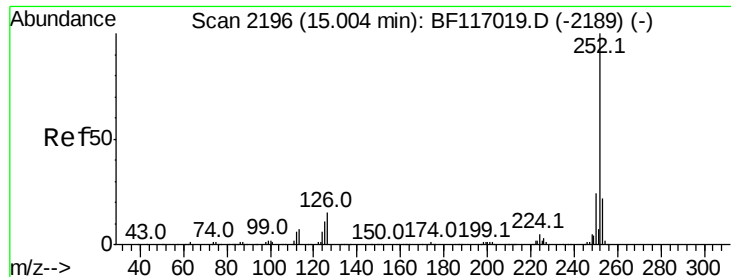


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117268.D
 Acq: 30 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.6	26.4
265	21.7	16.6	24.8

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





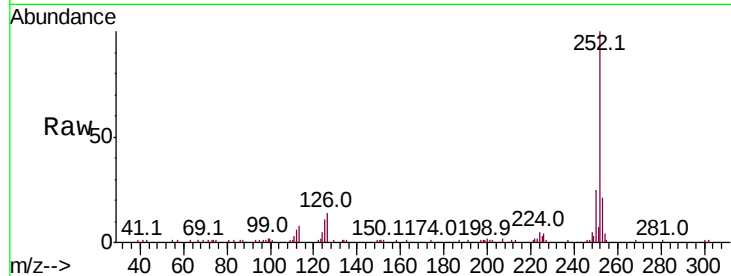
#88
Benzo(b)fluoranthene
Concen: 15.916 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF117268.D
Acq: 30 Sep 2019 18:42

Instrument :
BNA_F
ClientSampleId :
DN-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.6	26.4
125	10.7	8.6	12.8

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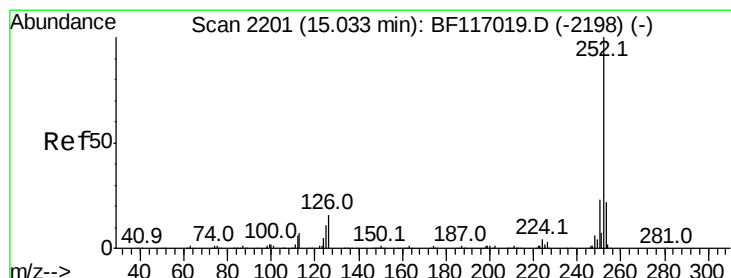
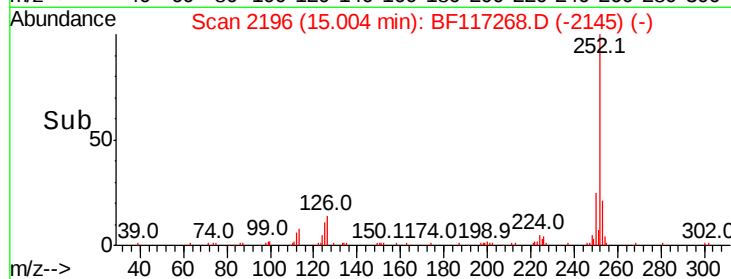
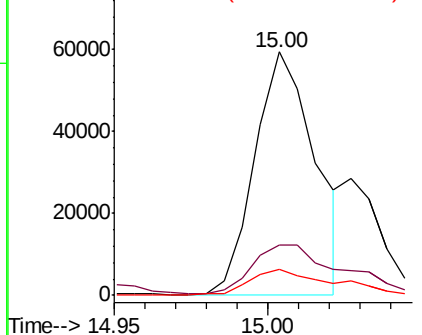


Abundance

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



#89
Benzo(k)fluoranthene
Concen: 5.404 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF117268.D
Acq: 30 Sep 2019 18:42

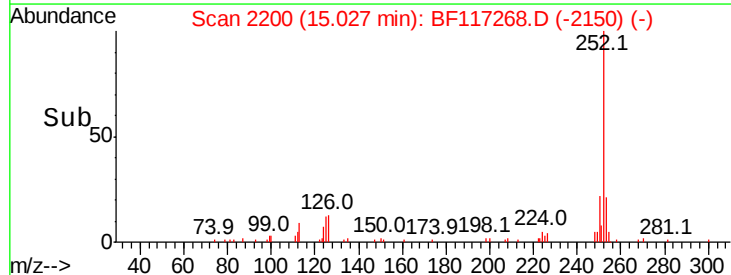
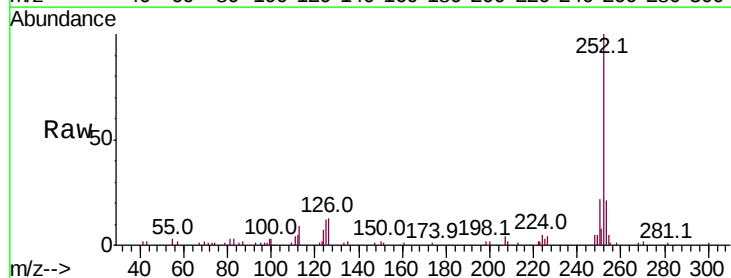
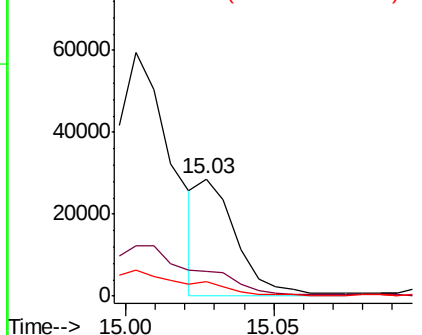
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.2
125	12.4	8.8	13.2

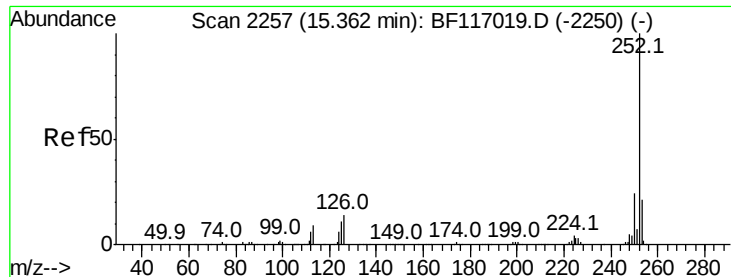
Abundance

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





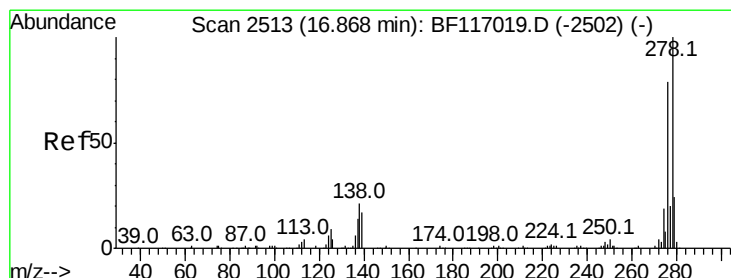
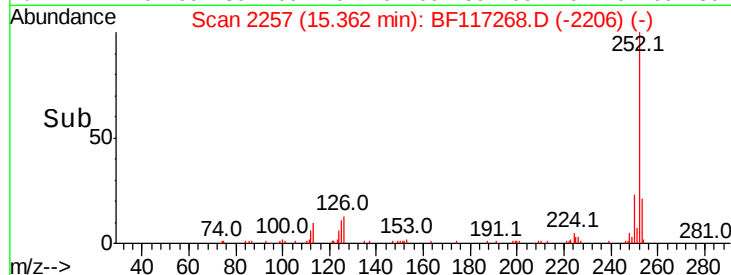
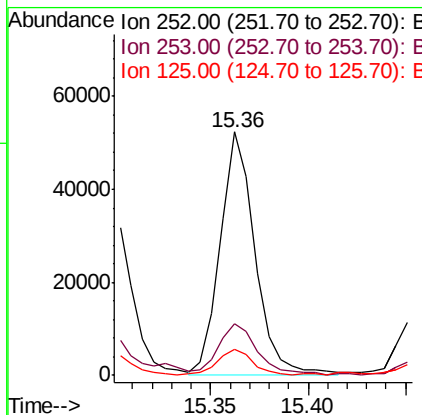
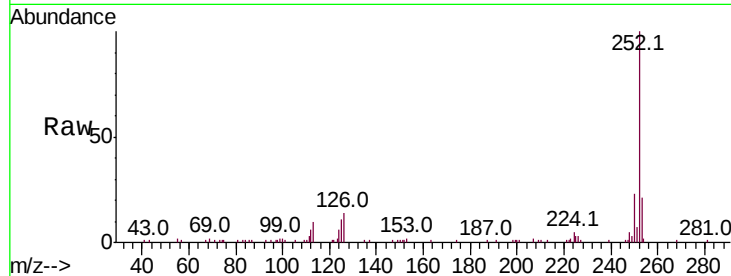
#90
Benzo(a)pyrene
Concen: 14.512 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BF117268.D
Acq: 30 Sep 2019 18:42

Instrument :
BNA_F
ClientSampleId :
DN-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.6	25.0
125	10.7	8.9	13.3

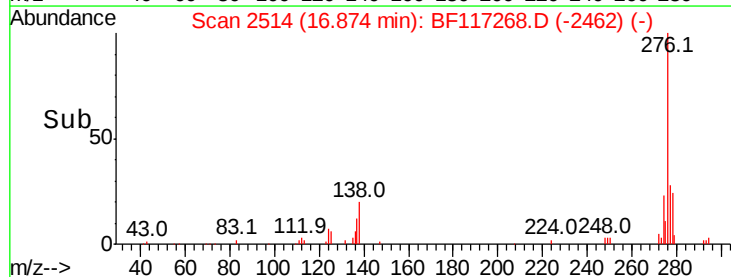
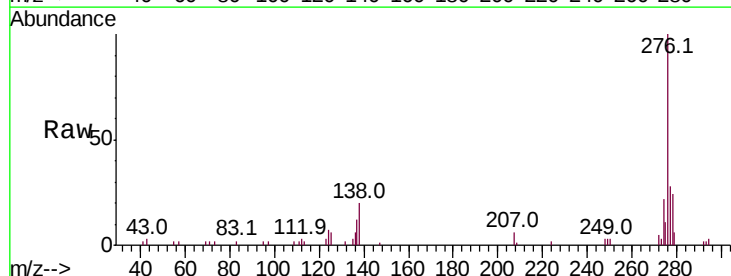
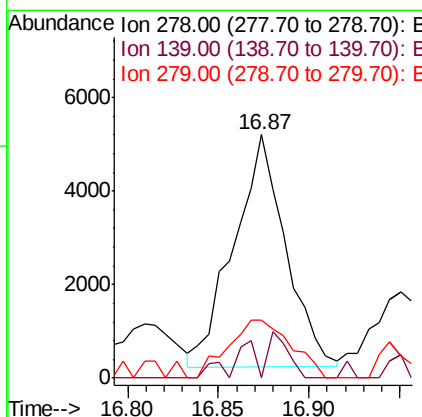
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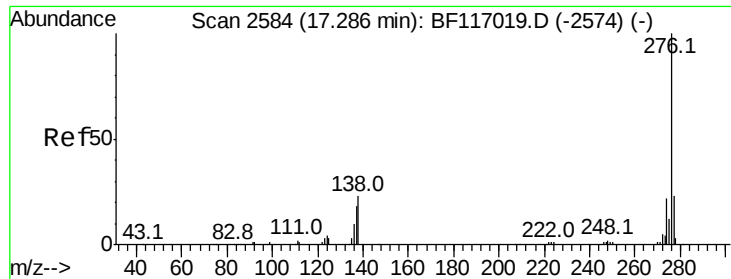
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#91
Dibenzo(a,h)anthracene
Concen: 2.775 ng m
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117268.D
Acq: 30 Sep 2019 18:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	23.7	18.8	28.2





#92

Benzo(a,h,i)perylene

Concen: 11.916 ng

RT: 17.31 min Scan# 2588

Delta R.T. 0.02 min

Lab File: BF117268.D

Acq: 30 Sep 2019 18:42

Instrument :

BNA_F

ClientSampleId :

DN-3DL

Tot Ion: 276 Resp: 42358

Ion Ratio Lower Upper

276 100

277 24.1 18.6 27.8

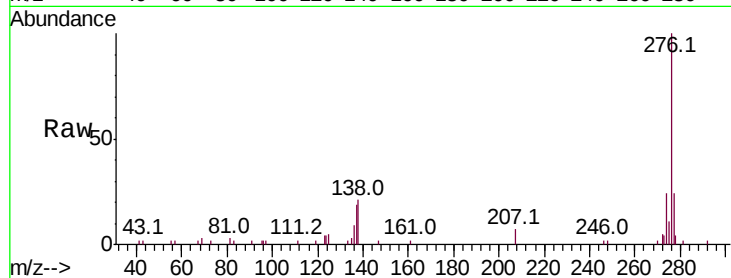
138 21.1 18.0 27.0

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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

