

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022620\
 Data File : BF119099.D
 Acq On : 26 Feb 2020 17:23
 Operator : CG/JU
 Sample : L1370-06 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022520

Manual Integrations
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Quant Time: Feb 27 06:28:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	150563	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	537189	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	243699	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	371728	20.00	ng	0.00
76) Chrysene-d12	13.90	240	368471	20.00	ng	0.00
87) Perylene-d12	15.33	264	410892	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	358861	39.83	ng	0.00
7) Phenol-d6	6.39	99	416117	37.98	ng	-0.02
23) Nitrobenzene-d5	7.30	82	260836	25.64	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	94326	29.59	ng	-0.01
45) 2-Fluorobiphenyl	9.10	172	517454	31.28	ng	-0.01
79) Terphenyl-d14	12.84	244	477637	22.32	ng	-0.01
Target Compounds						
71) Phenanthrene	11.28	178	95817	4.727	ng	98
75) Fluoranthene	12.47	202	159306	7.403	ng	99
78) Pyrene	12.70	202	176352	5.960	ng	97
81) Benzo(a)anthracene	13.89	228	96002	3.824	ng	96
83) Chrysene	13.92	228	97271	3.888	ng	96
86) Indeno(1,2,3-cd)pyrene	16.73	276	56614	2.337	ng	96
88) Benzo(b)fluoranthene	14.92	252	135077m	4.987	ng	
90) Benzo(a)pyrene	15.27	252	104843	4.289	ng	97
92) Benzo(g,h,i)perylene	17.15	276	58404	2.748	ng	94

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

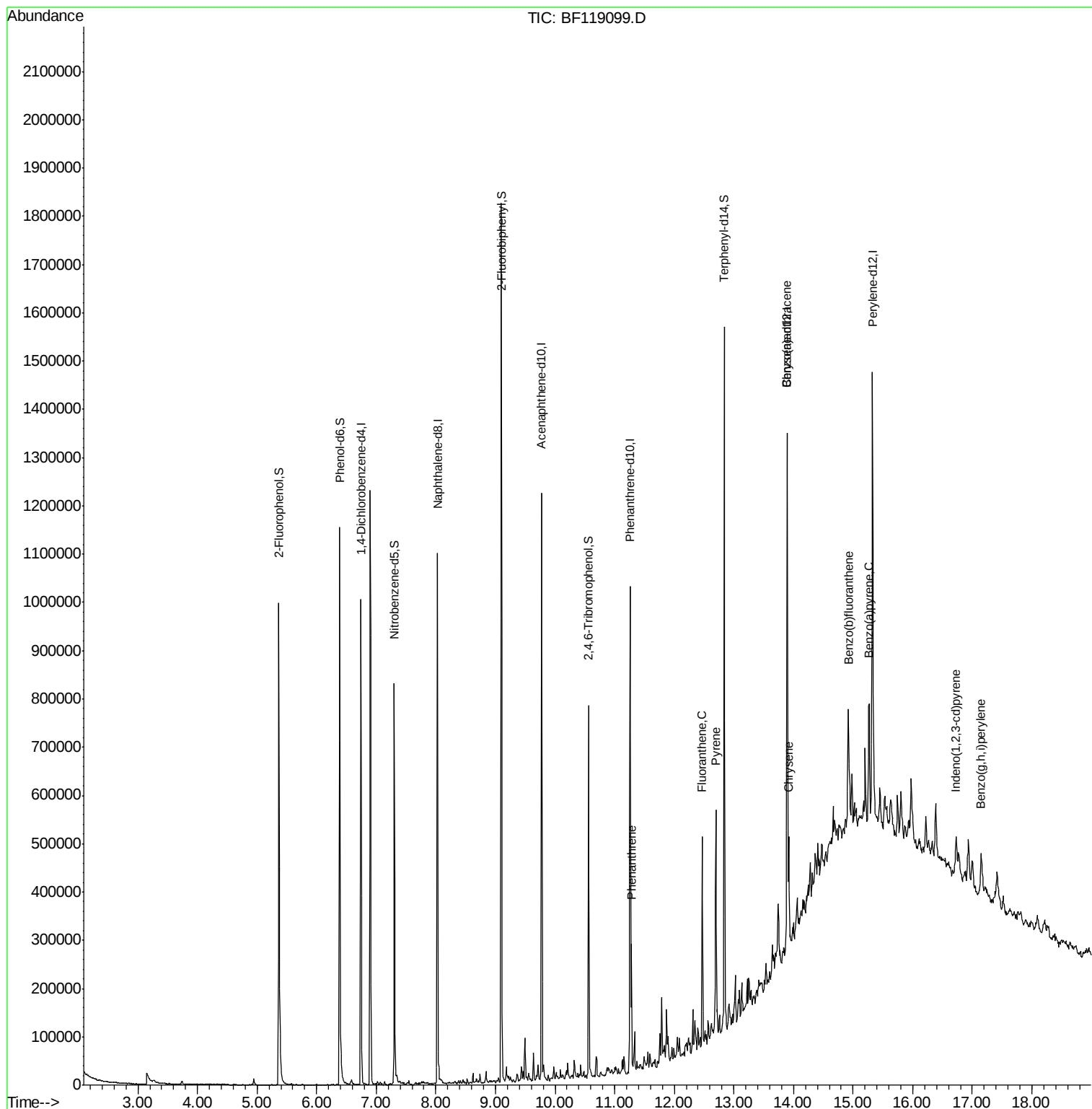
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022620\
Data File : BF119099.D
Acq On : 26 Feb 2020 17:23
Operator : CG/JU
Sample : L1370-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

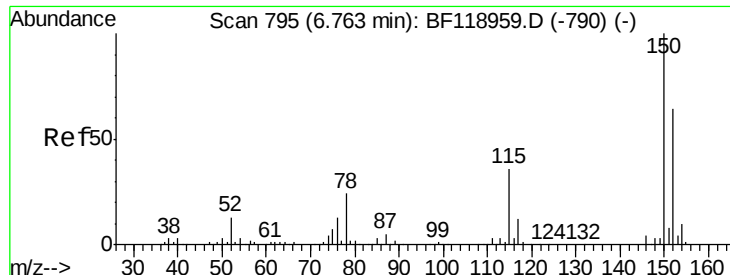
Instrument :
BNA_F
ClientSampleId :
OR-03-022520

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Quant Time: Feb 27 06:28:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

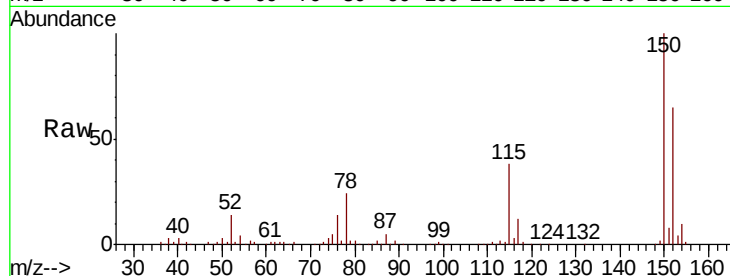
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Instrument :
BNA_F
ClientSampleId :
OR-03-022520

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.0	184.6
115	59.1	49.5	74.3

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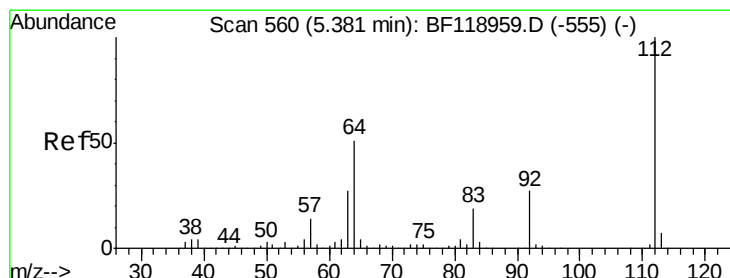
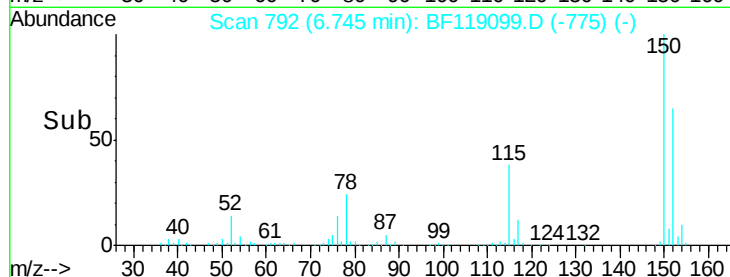
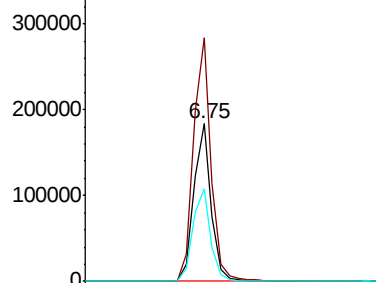


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

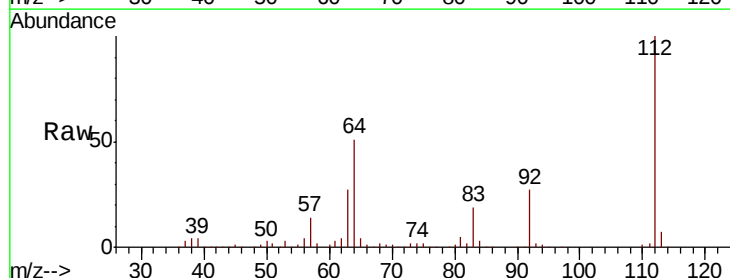
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.832 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	45.0	67.4
63	26.6	24.2	36.4

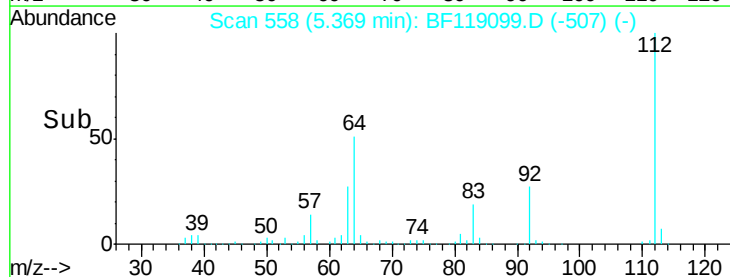
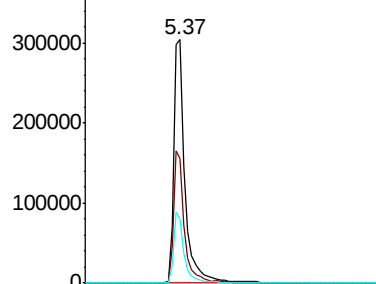


Abundance

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: 37.977 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Instrument :

BNA_F

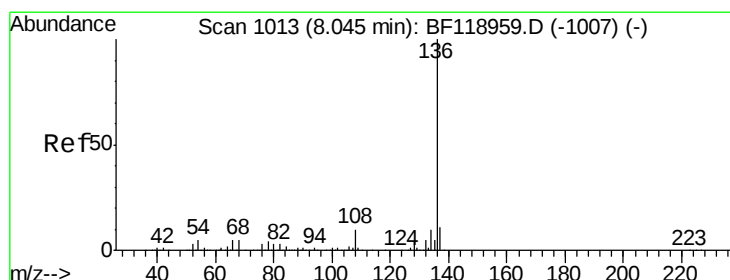
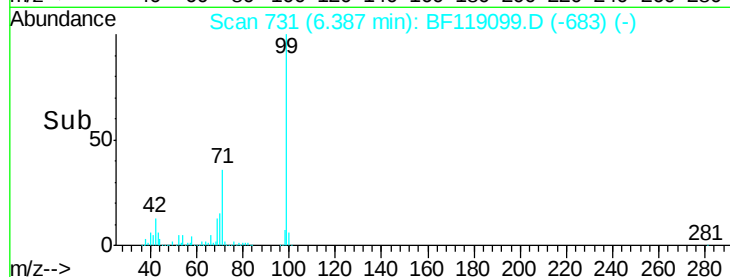
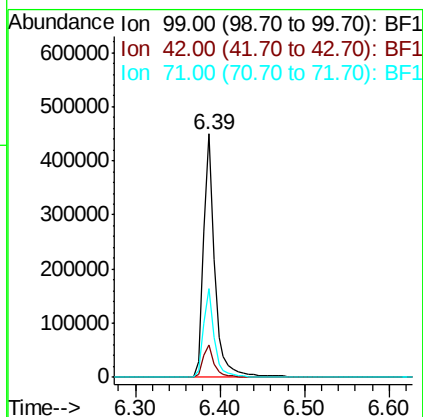
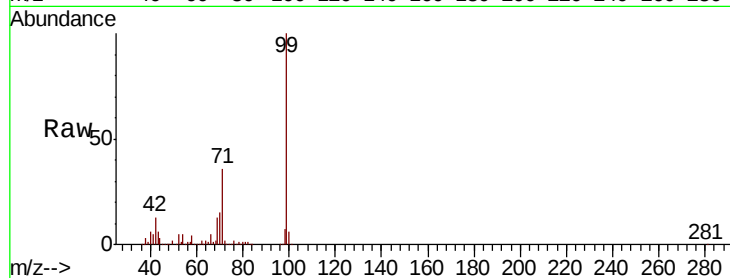
ClientSampleId :

OR-03-022520

Tot Ion:	99	Resp:	416117
Ion Ratio	Lower	Upper	
99	100		
42	13.3	12.6	18.8
71	36.4	31.0	46.4

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#21

Naphthalene-d8

Concen: 20.000 ng

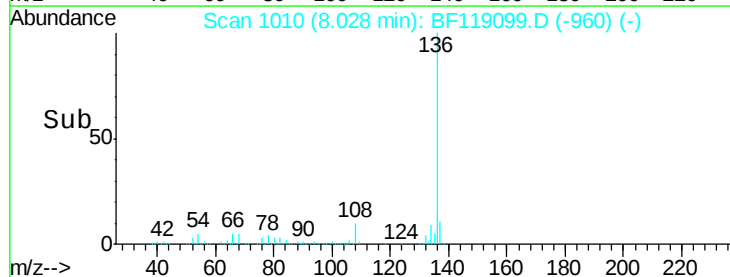
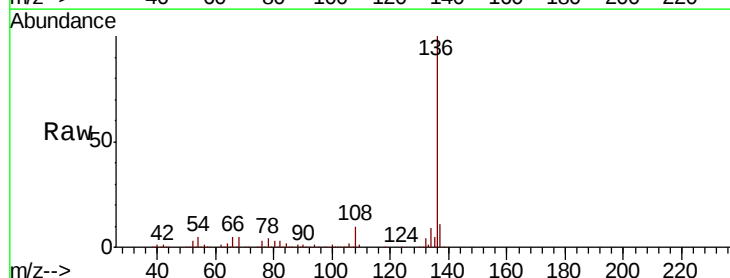
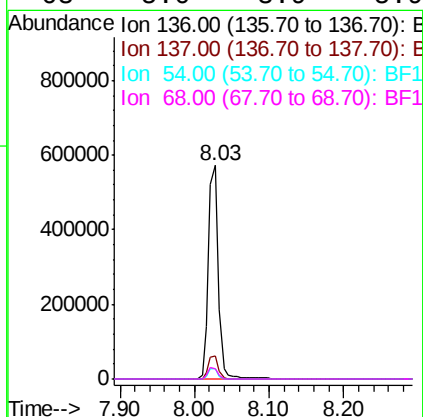
RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Tgt Ion:	136	Resp:	537189
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	4.7	3.8	5.6
68	5.0	3.9	5.9





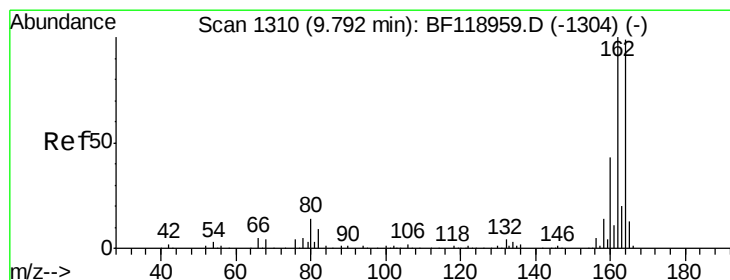
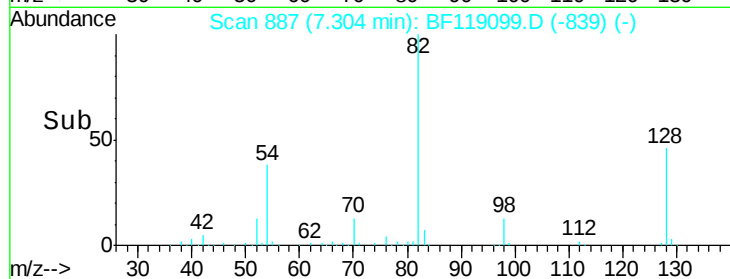
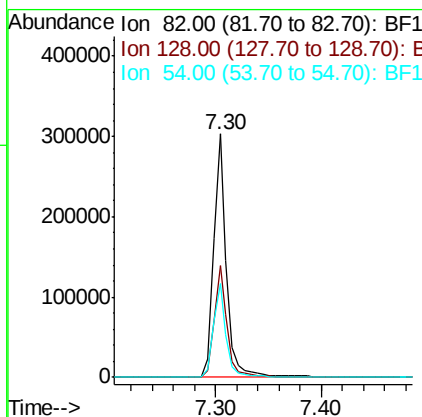
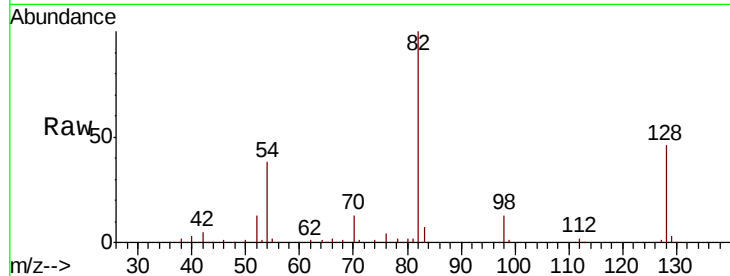
#23
 Nitrobenzene-d5
 Concen: 25.637 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF119099.D
 Acq: 26 Feb 2020 17:23

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022520

Tot Ion	Ratio	Resp	Lower	Upper
82	100	260836		
128	46.1		37.9	56.9
54	38.4		33.4	50.2

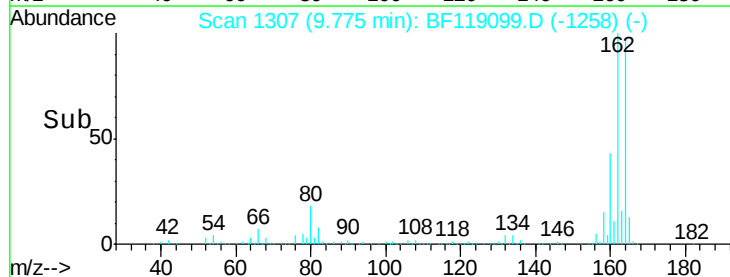
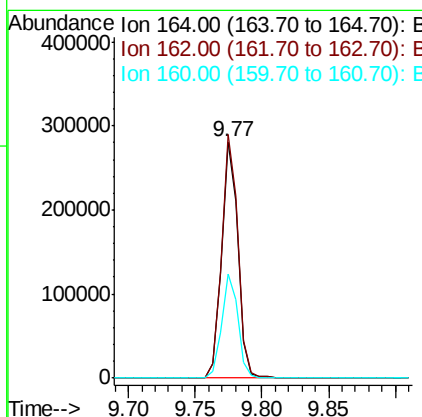
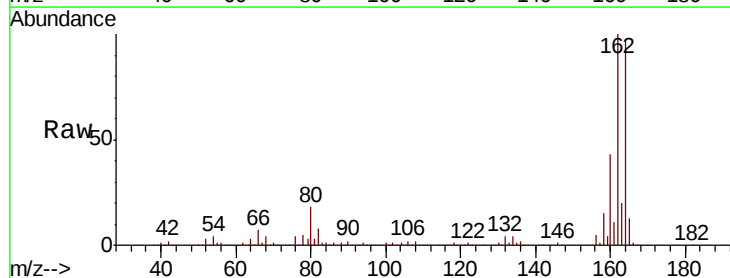
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF119099.D
 Acq: 26 Feb 2020 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	243699		
162	103.0		81.8	122.8
160	44.3		36.0	54.0





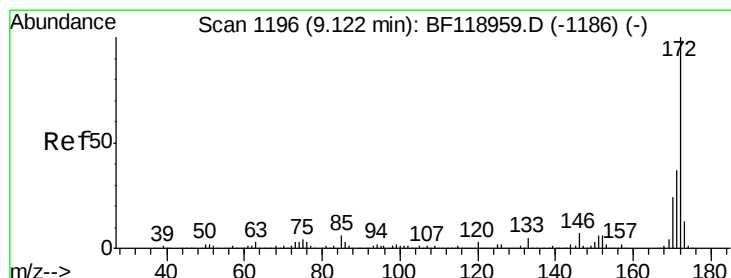
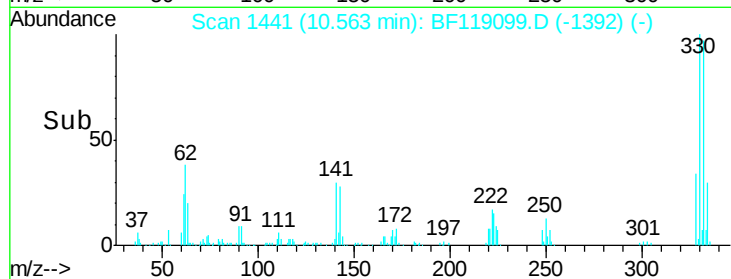
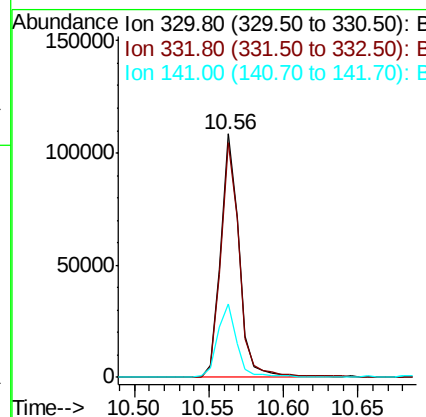
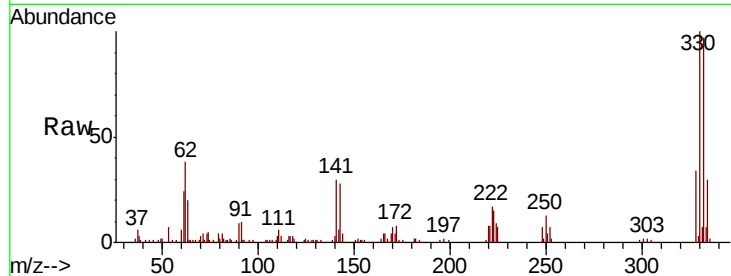
#42
 2,4,6-Tribromophenol
 Concen: 29.588 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF119099.D
 Acq: 26 Feb 2020 17:23

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022520

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.0	114.0
141	32.5	22.9	34.3

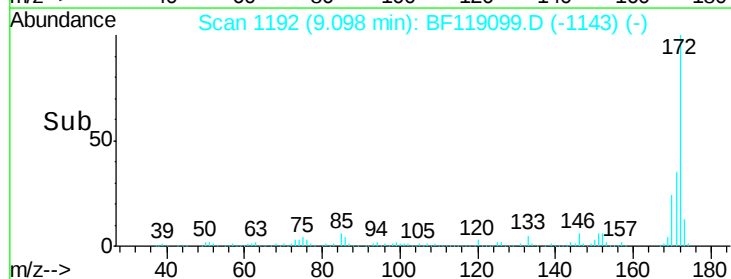
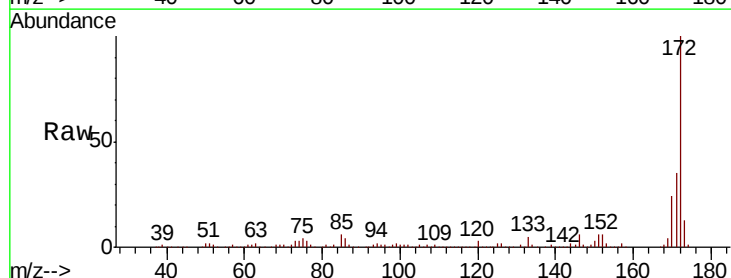
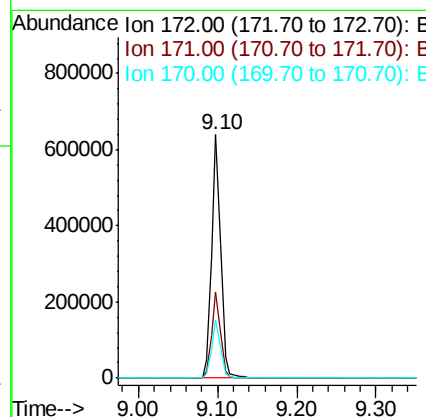
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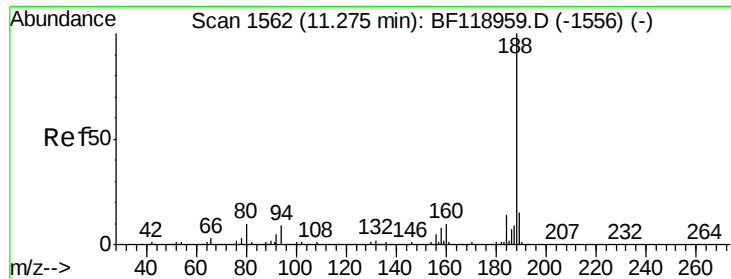
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#45
 2-Fluorobiphenyl
 Concen: 31.280 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF119099.D
 Acq: 26 Feb 2020 17:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.6	45.8
170	23.7	20.2	30.2





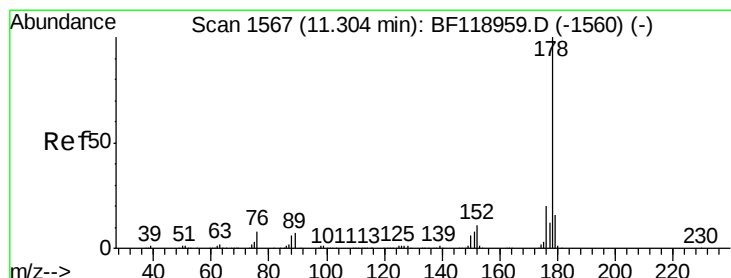
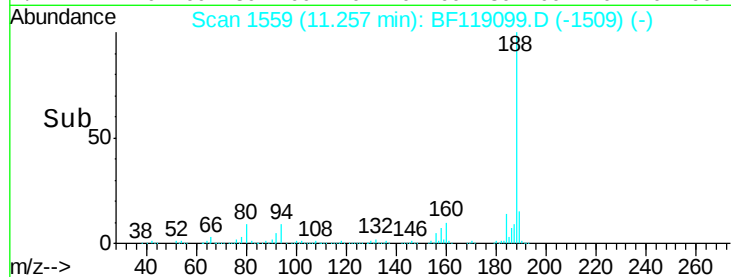
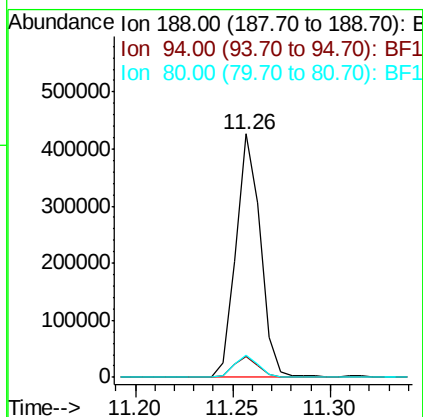
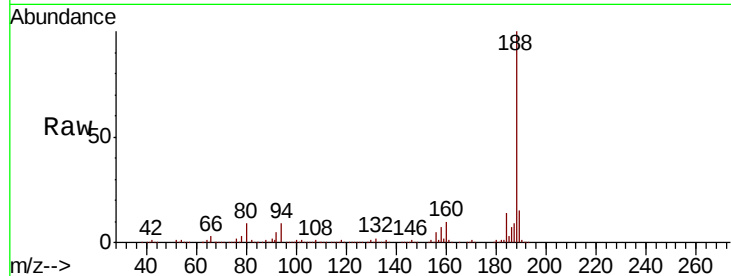
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Instrument :
BNA_F
ClientSampleId :
OR-03-022520

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	7.1	10.7
80	9.1	7.8	11.8

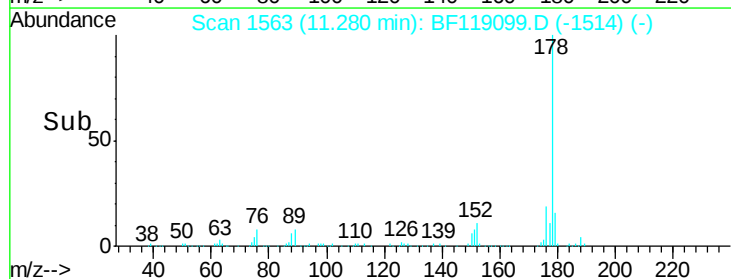
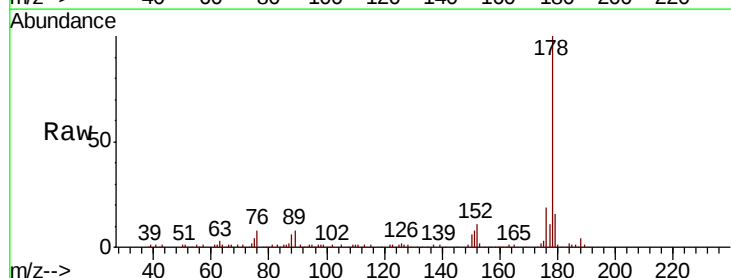
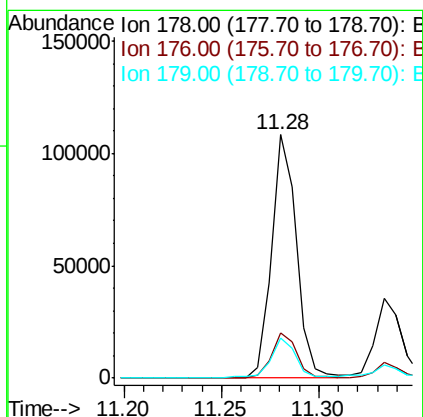
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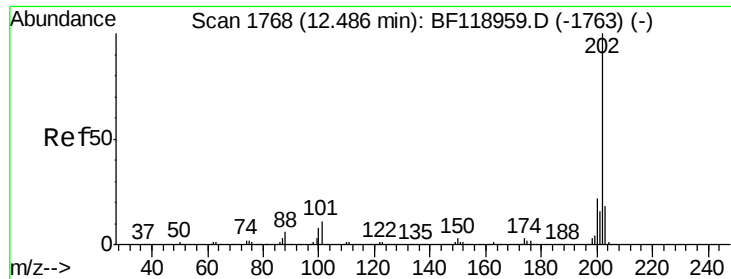
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#71
Phenanthrene
Concen: 4.727 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.6	16.5	24.7
179	16.4	13.0	19.6





#75

Fluoranthene

Concen: 7.403 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Instrument :

BNA_F

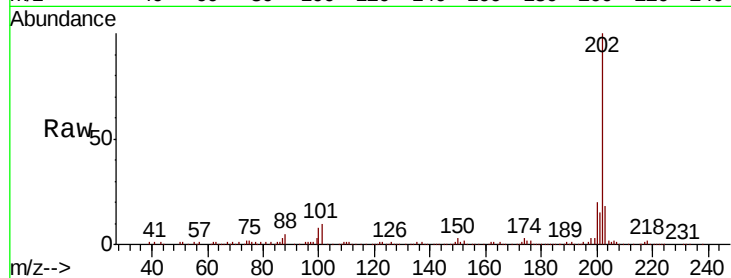
ClientSampleId :

OR-03-022520

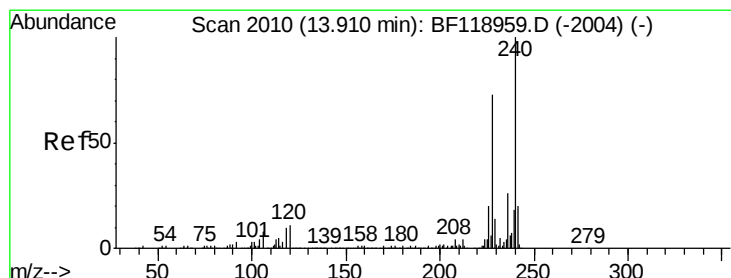
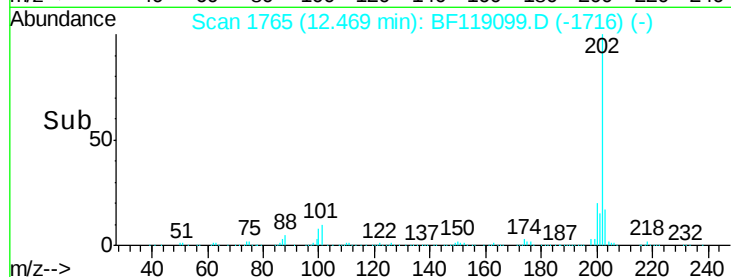
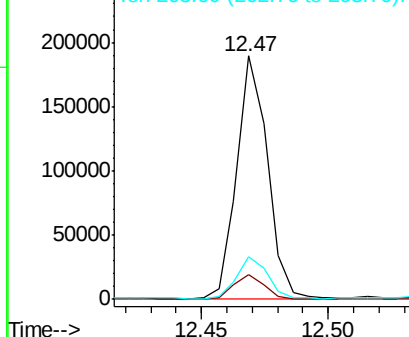
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		159306		
101	10.4	0.0	30.3		
203	17.6	0.0	38.4		

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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: 13.90 min Scan# 2008

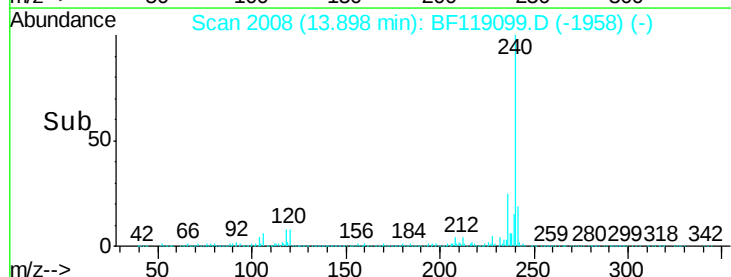
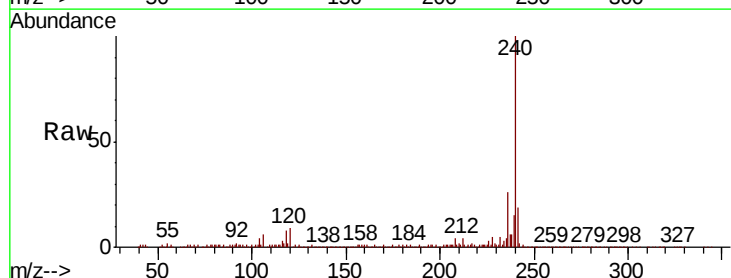
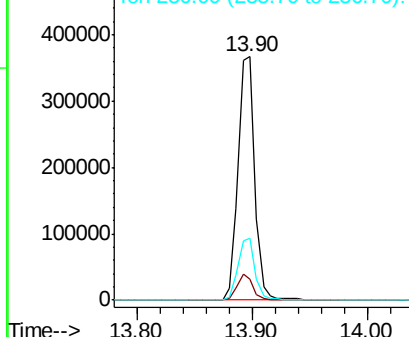
Delta R.T. -0.01 min

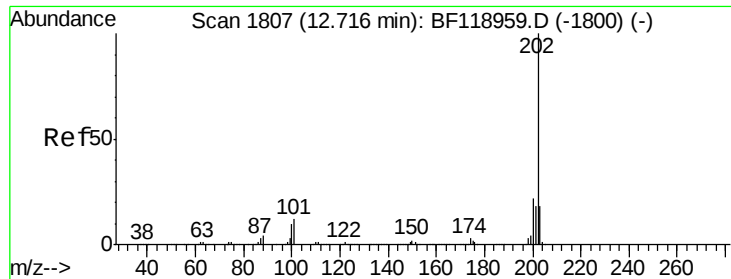
Lab File: BF119099.D

Acq: 26 Feb 2020 17:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		368471		
120	8.6	8.4	12.6		
236	25.5	21.0	31.4		

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





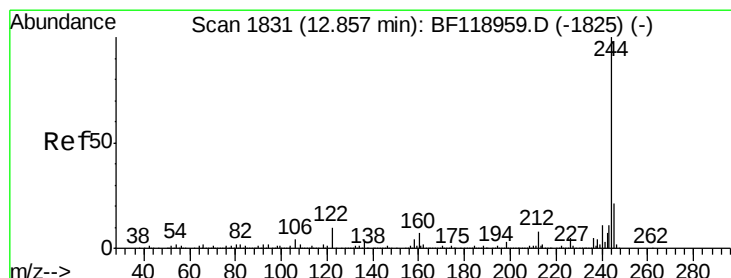
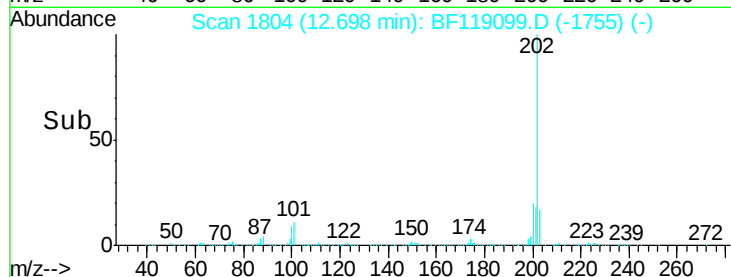
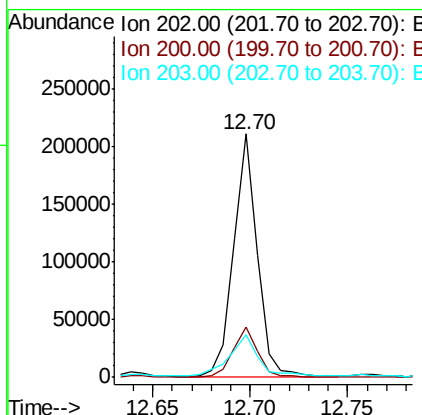
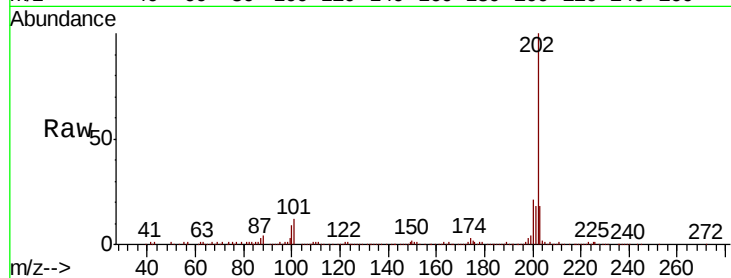
#78
Pvrene
Concen: 5.960 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Instrument :
BNA_F
ClientSampleId :
OR-03-022520

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	18.0	27.0
203	17.8	14.6	22.0

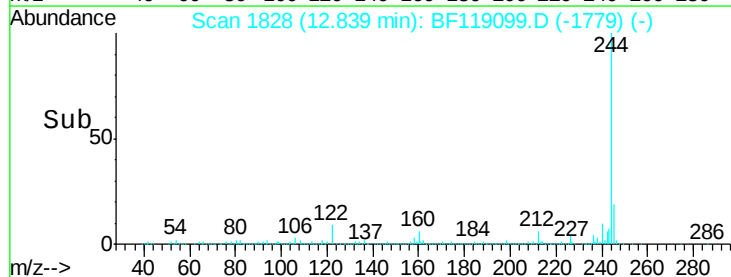
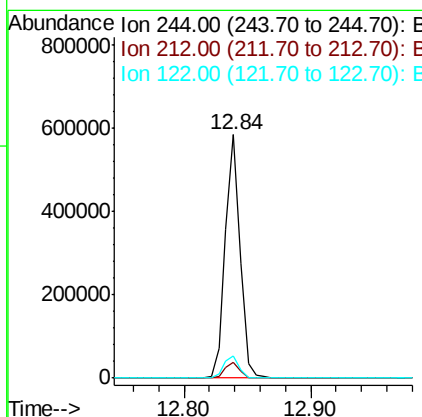
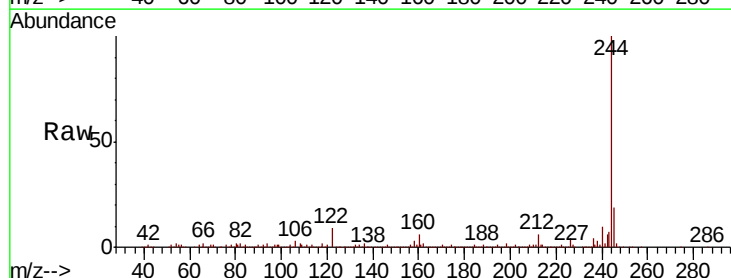
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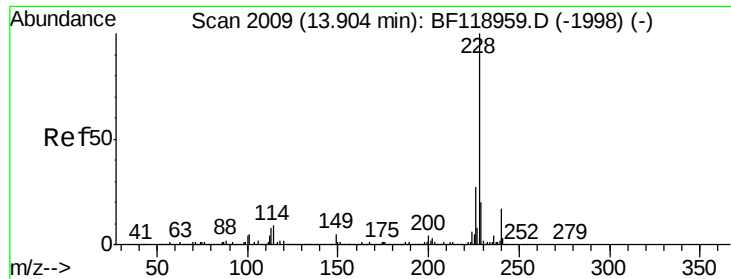
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#79
Terphenyl-d14
Concen: 22.318 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.6	10.0#
122	9.1	8.2	12.2





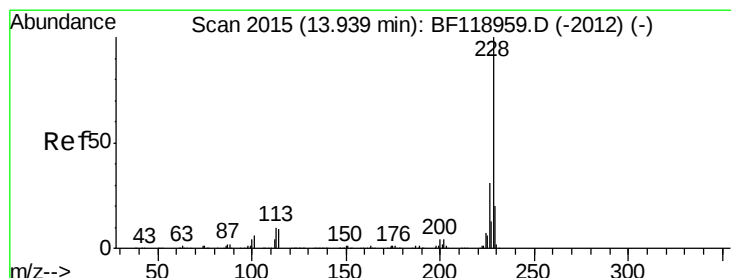
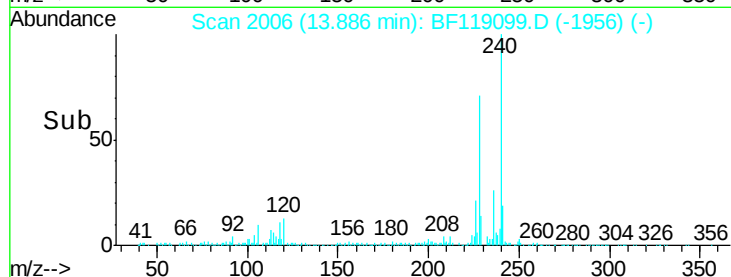
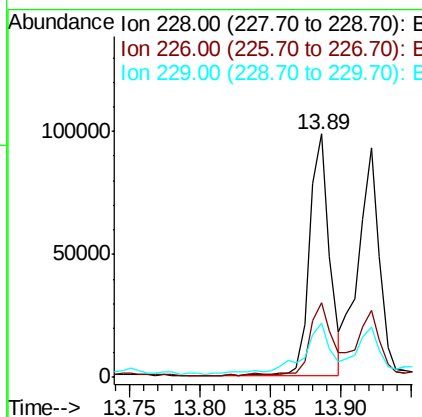
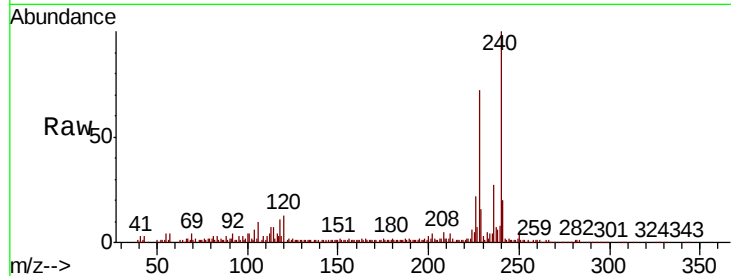
#81
Benzo(a)anthracene
Concen: 3.824 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Instrument :
BNA_F
ClientSampled :
OR-03-022520

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	22.4	16.6	24.8

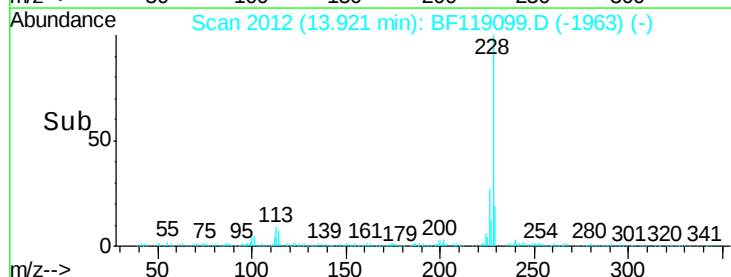
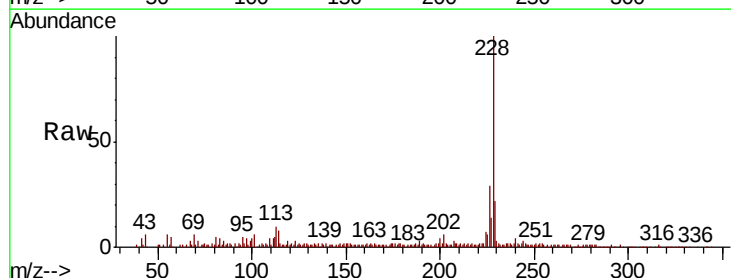
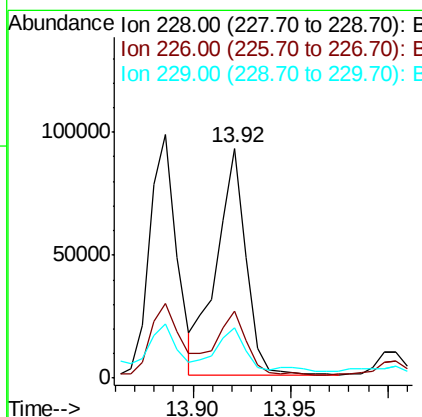
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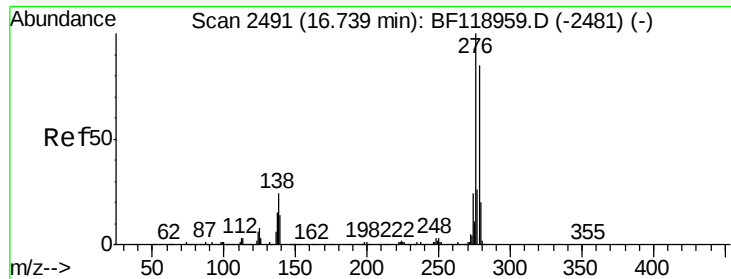
mohammad
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#83
Chrysene
Concen: 3.888 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.1	37.7
229	22.1	16.3	24.5





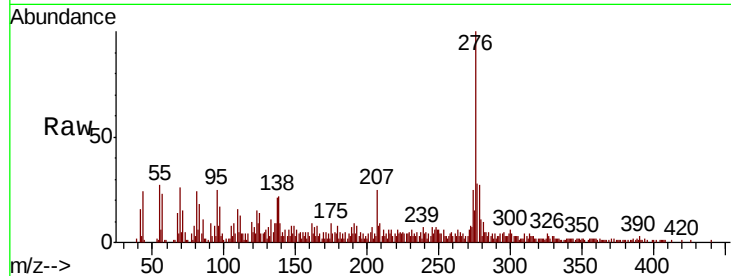
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.337 ng
RT: 16.73 min Scan# 2489
Delta R.T. -0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Instrument :
BNA_F
ClientSampleId :
OR-03-022520

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	17.4	26.0
277	24.0	20.3	30.5

Manual Integrations
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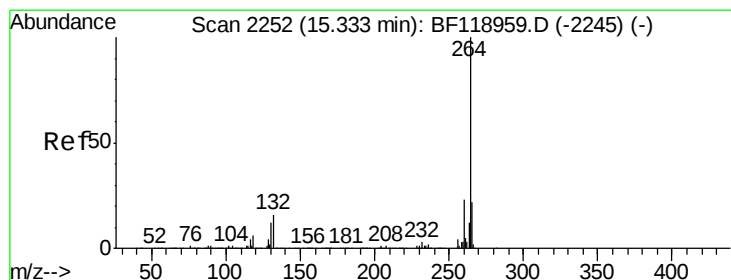
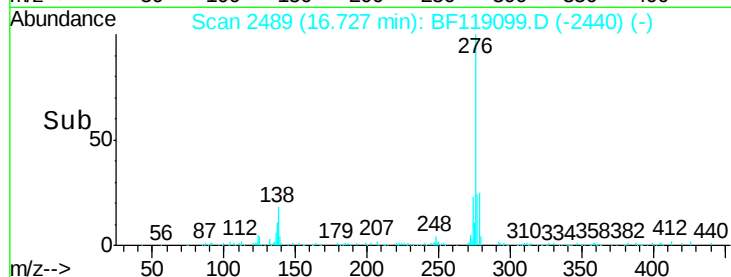
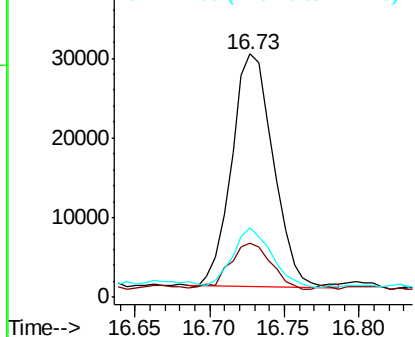


Abundance

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: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

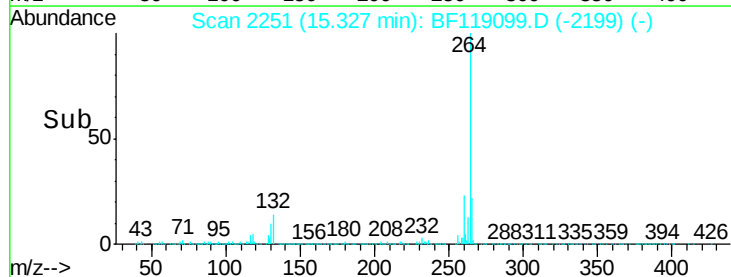
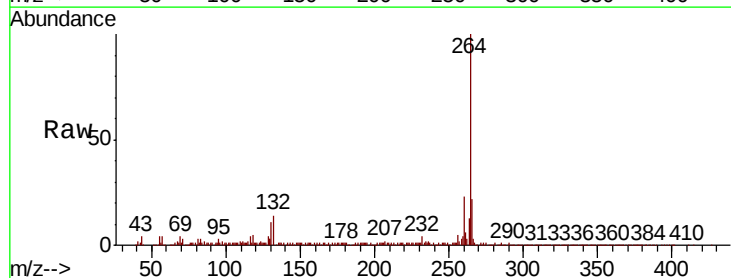
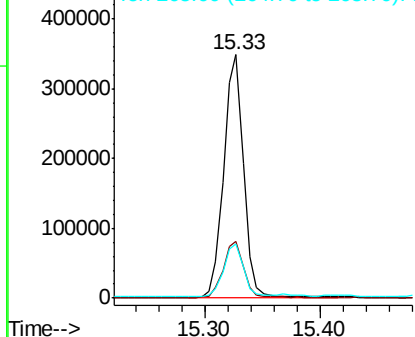
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	22.0	17.7	26.5

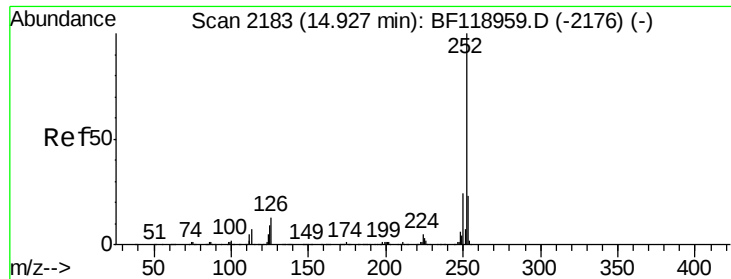
Abundance

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





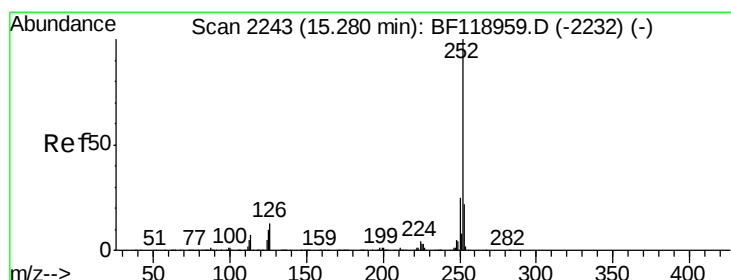
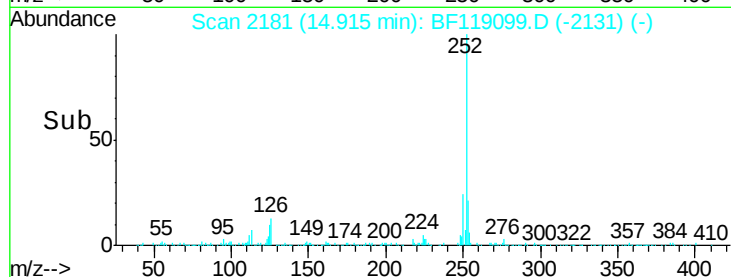
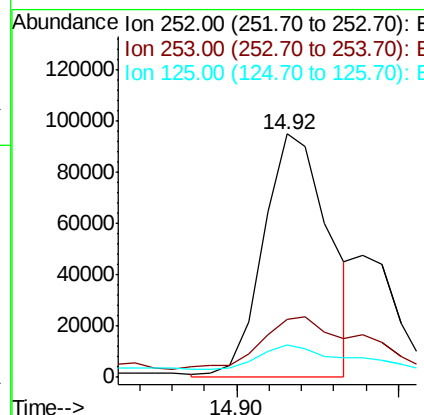
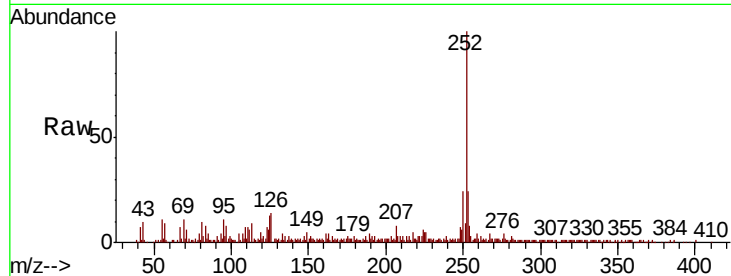
#88
Benzo(b)fluoranthene
Concen: 4.987 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Instrument :
BNA_F
ClientSampleId :
OR-03-022520

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	13.2	7.4	11.0

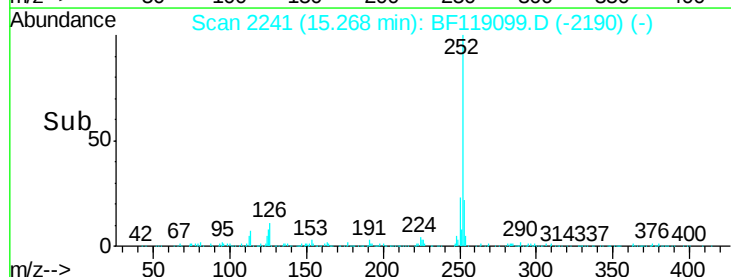
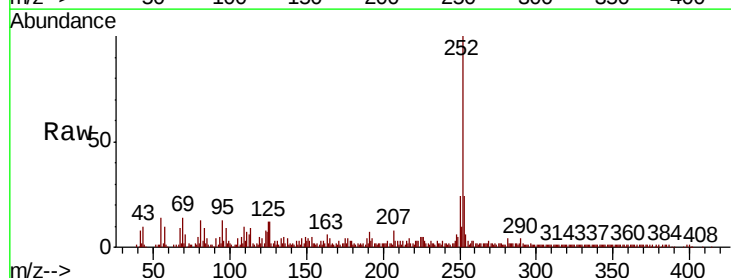
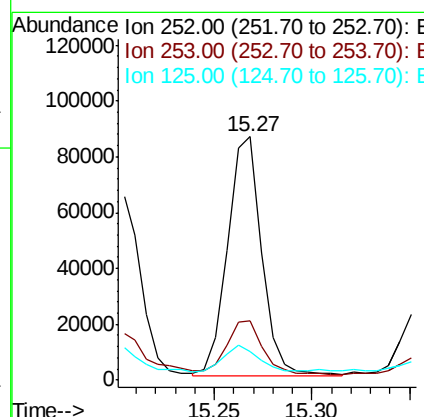
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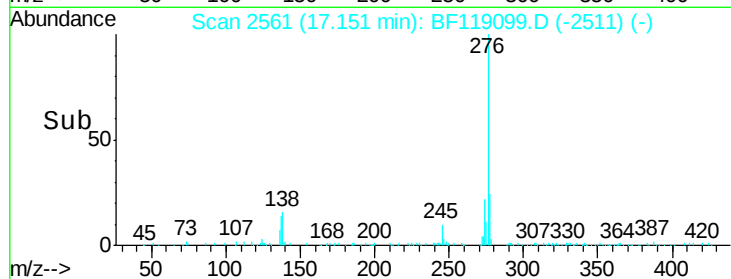
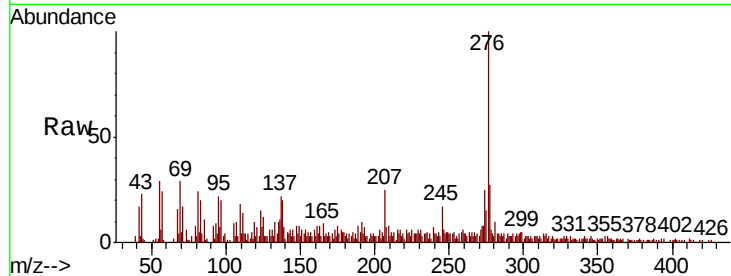
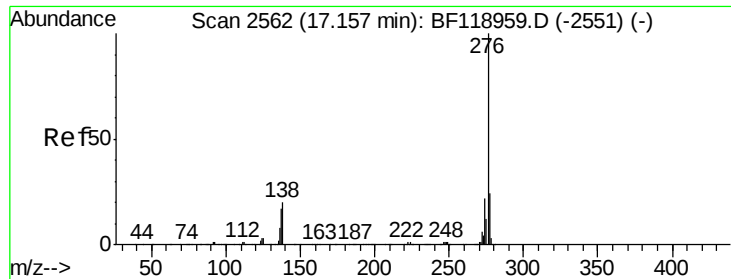
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#90
Benzo(a)pyrene
Concen: 4.289 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF119099.D
Acq: 26 Feb 2020 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	11.6	8.6	12.8





#92
 Benzo(a,h,i)perylene
 Concen: 2.748 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. -0.01 min
 Lab File: BF119099.D
 Acq: 26 Feb 2020 17:23

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022520

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	18.7	28.1
138	19.6	14.3	21.5

Manual Integrations
 APPROVED

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