

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116560.D
 Acq On : 26 Aug 2019 6:50
 Operator : HP/JU
 Sample : K4509-10
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-45-COMP

Manual Integrations
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mohammad
 8/29/2019 7:53:45 AM

Quant Time: Aug 26 08:49:09 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	137934	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	518536	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	230490	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	313479	20.00	ng	0.00
76) Chrysene-d12	14.03	240	222218	20.00	ng	0.00
87) Perylene-d12	15.50	264	188987	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	565407	59.89	ng	0.00
7) Phenol-d6	6.51	99	750920	64.87	ng	0.00
23) Nitrobenzene-d5	7.44	82	438327	46.25	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	73796	37.29	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	754293	52.70	ng	0.00
79) Terphenyl-d14	12.98	244	518722	43.60	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.62	163	97939	6.090	ng	99
71) Phenanthrene	11.42	178	207229	12.135	ng	99
72) Anthracene	11.47	178	47589	2.773	ng	99
75) Fluoranthene	12.61	202	329872	18.684	ng	99
78) Pyrene	12.83	202	291373	16.396	ng	99
81) Benzo(a)anthracene	14.02	228	146937	10.209	ng	99
83) Chrysene	14.06	228	131315	9.002	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	49893	3.993	ng	93
88) Benzo(b)fluoranthene	15.07	252	143666m	12.306	ng	
89) Benzo(k)fluoranthene	15.09	252	39868m	3.769	ng	
90) Benzo(a)pyrene	15.43	252	93186	9.031	ng	98
92) Benzo(a,h,i)perylene	17.40	276	44972	5.564	ng	94

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

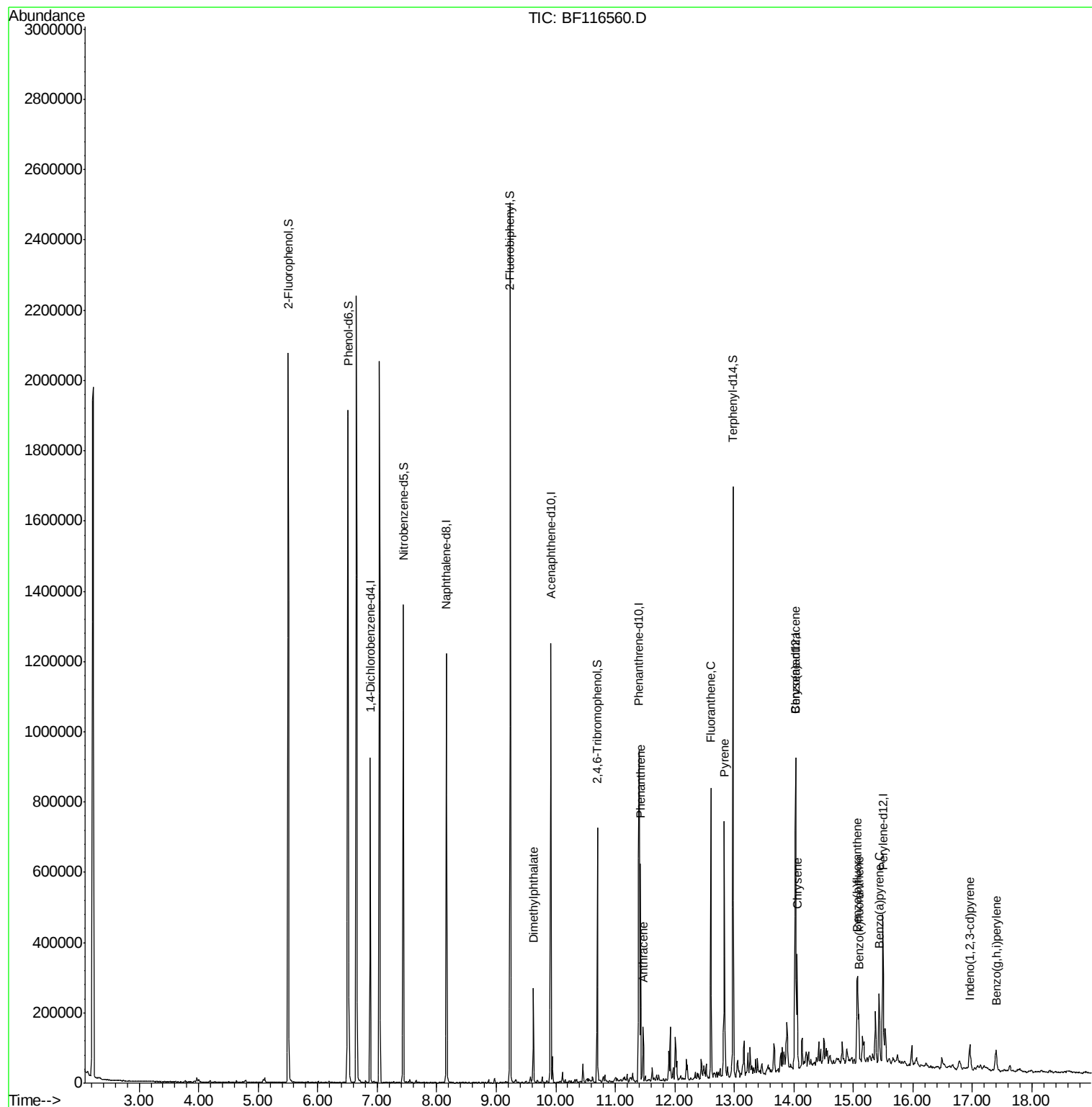
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
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ALS Vial : 35 Sample Multiplier: 1

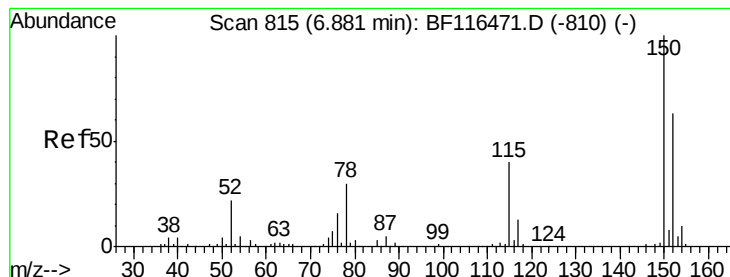
Instrument :
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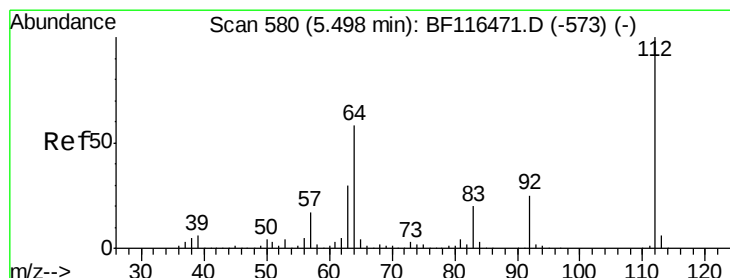
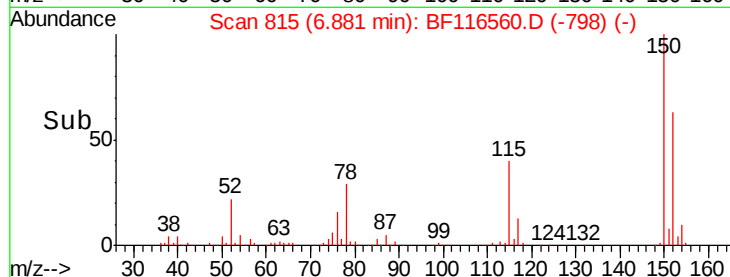
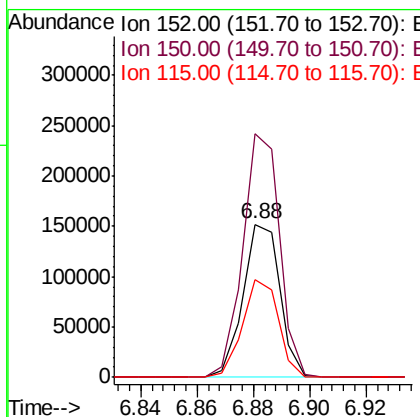
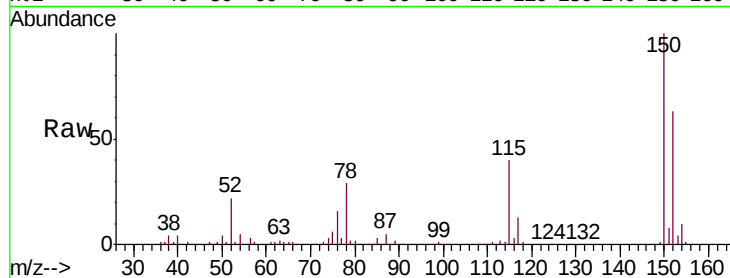
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF116560.D
 Acq: 26 Aug 2019 6:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-45-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.7	190.1
115	64.0	50.9	76.3

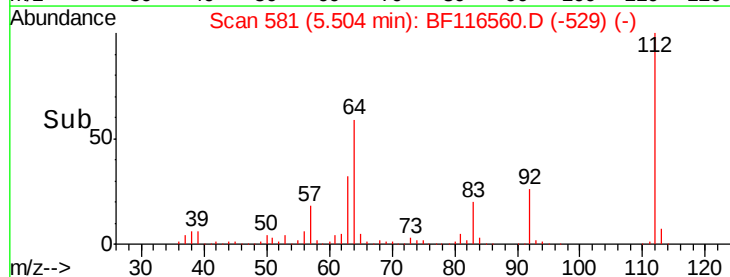
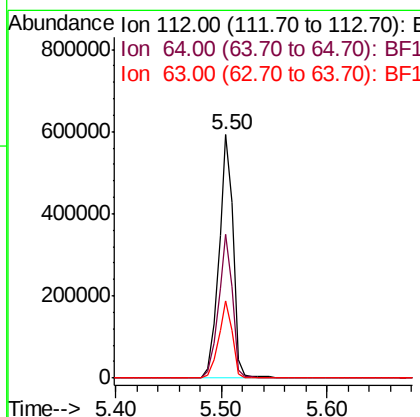
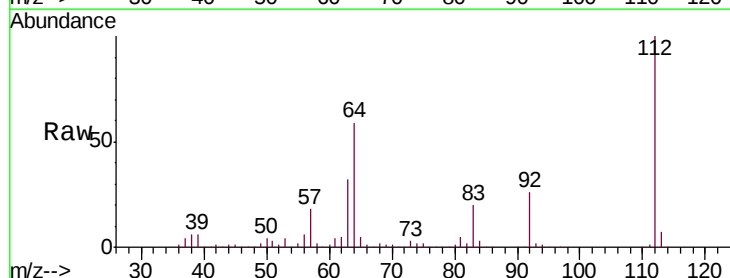
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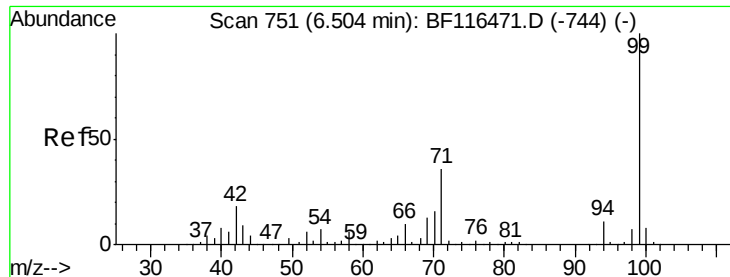
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#5
 2-Fluorophenol
 Concen: 59.894 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF116560.D
 Acq: 26 Aug 2019 6:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.3	69.5
63	31.7	24.2	36.4





#7

Phenol-d6

Concen: 64.874 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116560.D

Acq: 26 Aug 2019 6:50

Instrument :

BNA_F

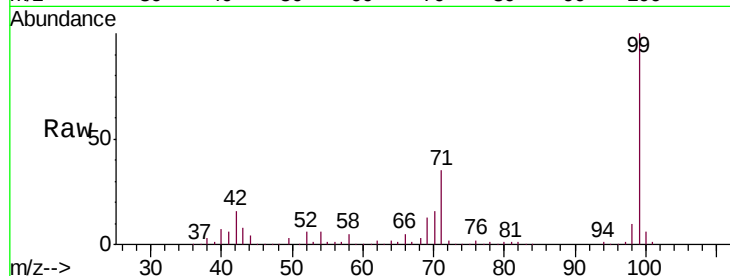
ClientSampleId :

SB-45-COMP

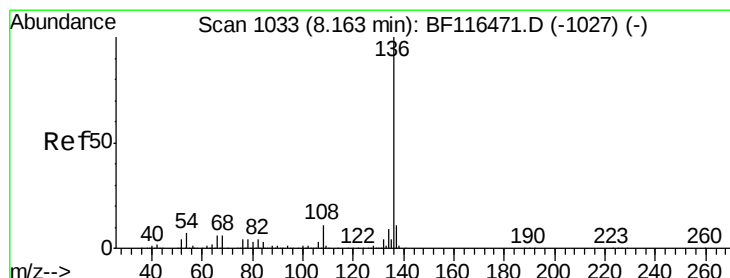
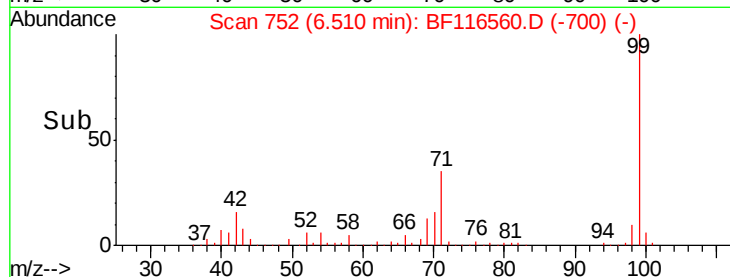
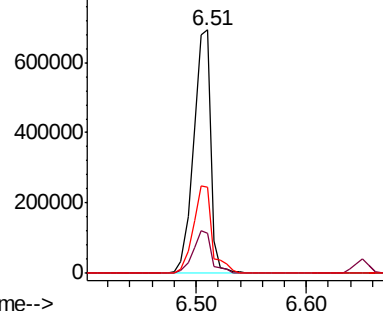
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		750920		
42	16.3	14.6	21.8		
71	35.1	28.5	42.7		

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

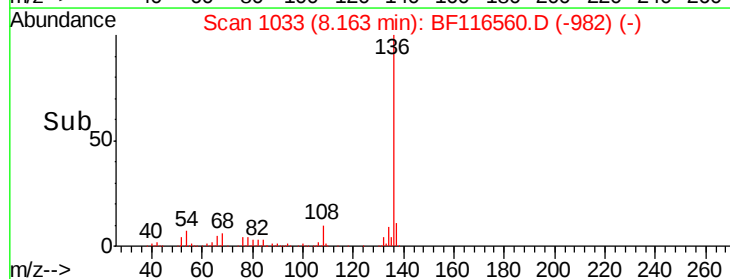
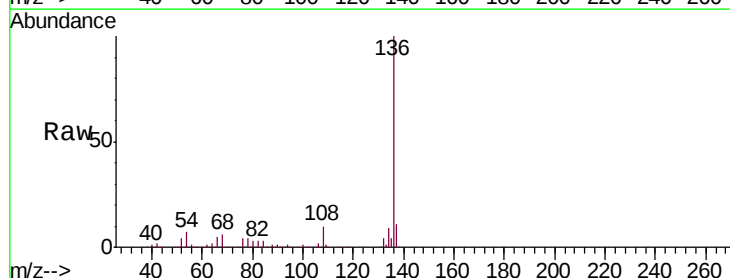
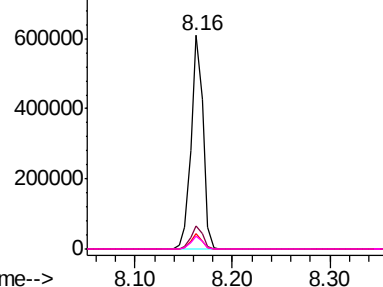
Delta R.T. -0.00 min

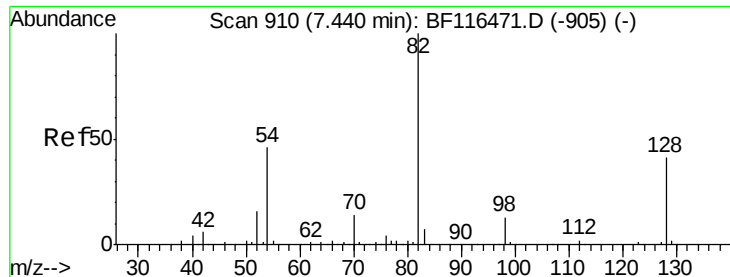
Lab File: BF116560.D

Acq: 26 Aug 2019 6:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		518536		
137	10.8	9.0	13.4		
54	7.1	5.8	8.6		
68	5.9	5.1	7.7		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





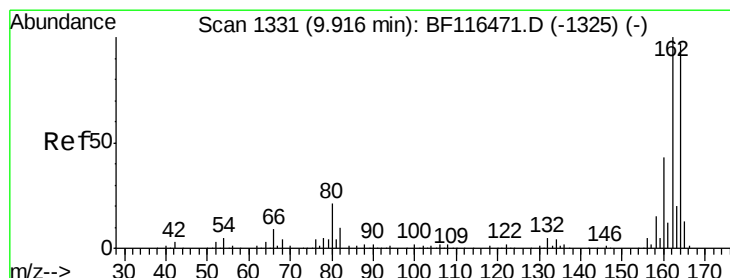
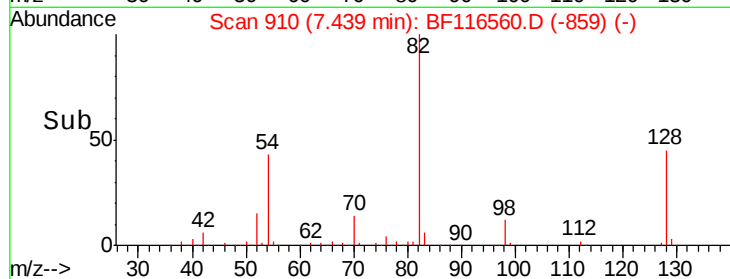
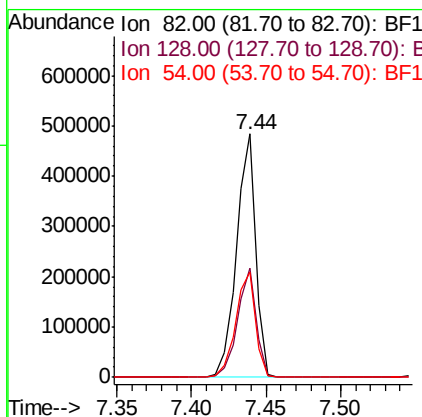
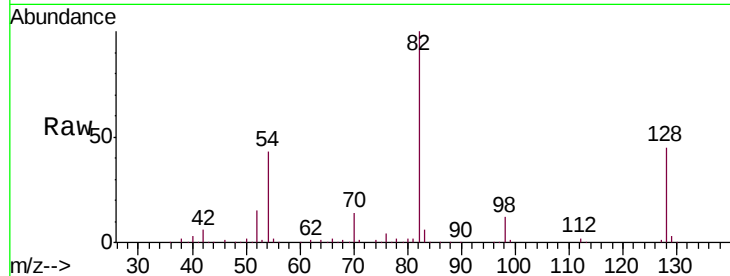
#23
 Nitrobenzene-d5
 Concen: 46.247 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BF116560.D
 Acq: 26 Aug 2019 6:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-45-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100	438327		
128	45.1	32.2	48.4	
54	43.5	36.5	54.7	

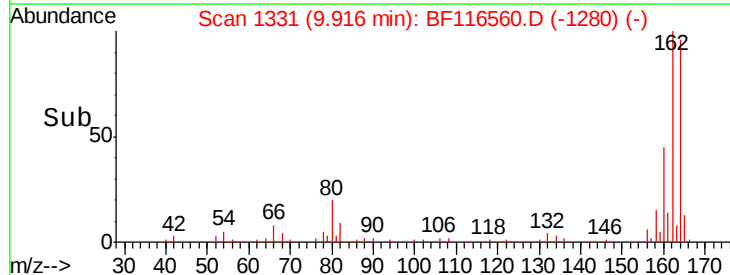
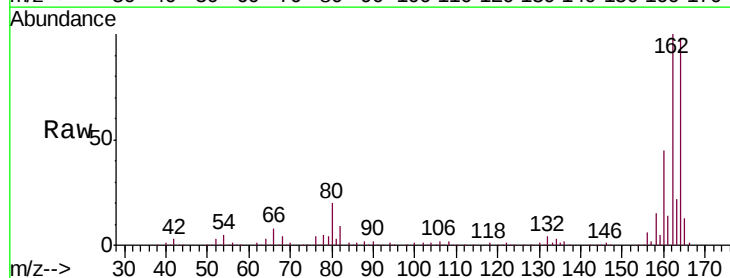
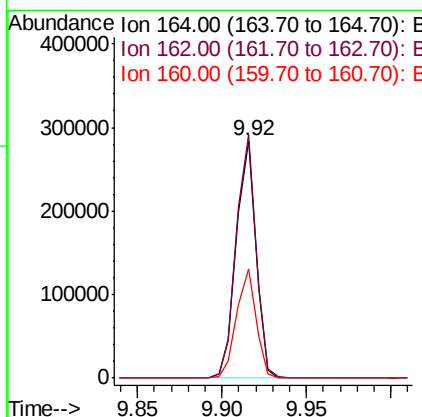
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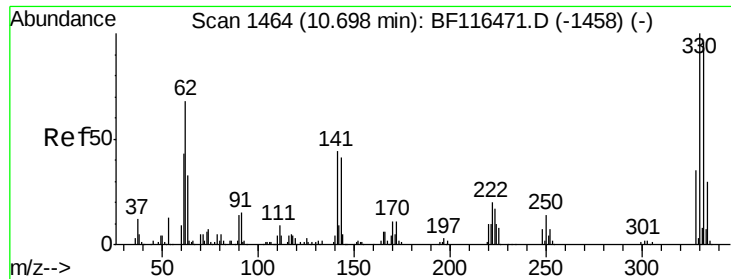
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BF116560.D
 Acq: 26 Aug 2019 6:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	230490		
162	102.4	82.6	123.8	
160	45.9	35.8	53.8	





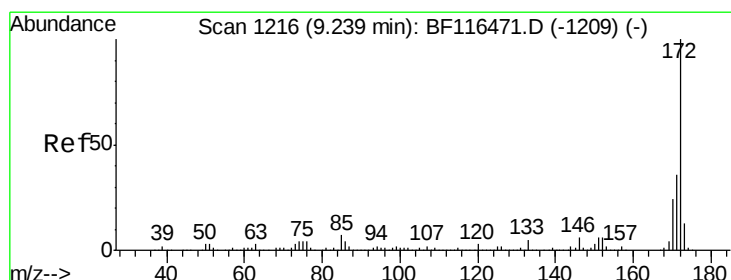
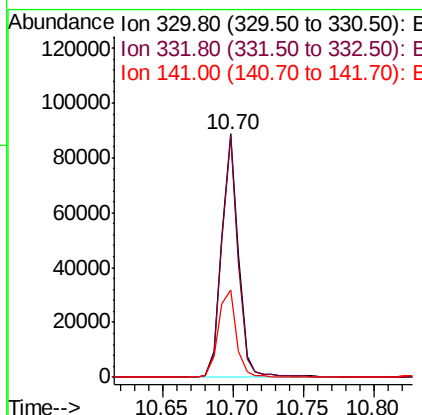
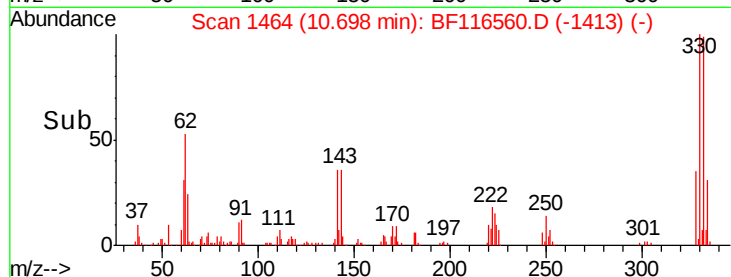
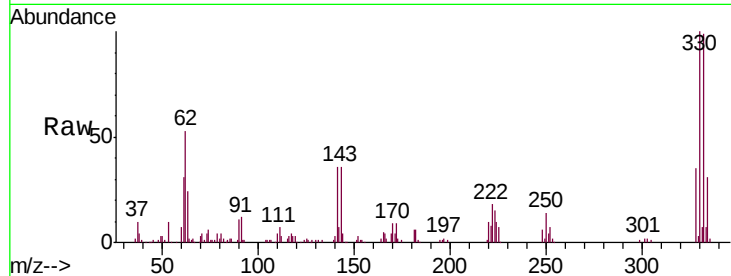
#42
 2,4,6-Tribromophenol
 Concen: 37.287 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116560.D
 Acq: 26 Aug 2019 6:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-45-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.2	115.8
141	38.5	33.3	49.9

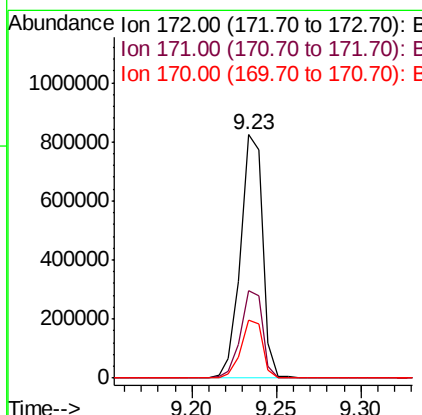
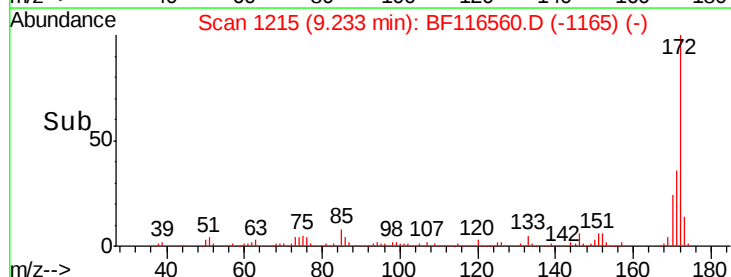
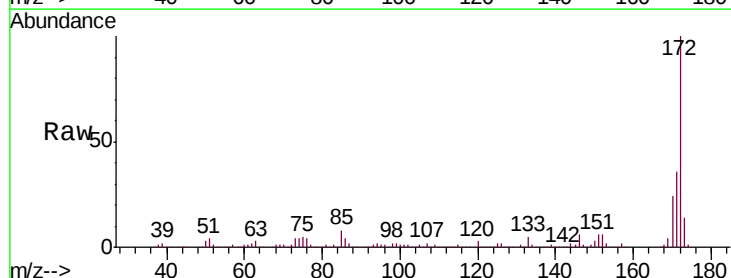
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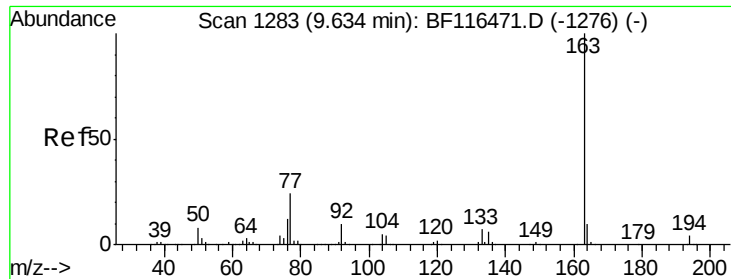
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#45
 2-Fluorobiphenyl
 Concen: 52.702 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF116560.D
 Acq: 26 Aug 2019 6:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	23.6	19.4	29.0





#50

Dimethylphthalate

Concen: 6.090 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF116560.D

Acq: 26 Aug 2019 6:50

Instrument :

BNA_F

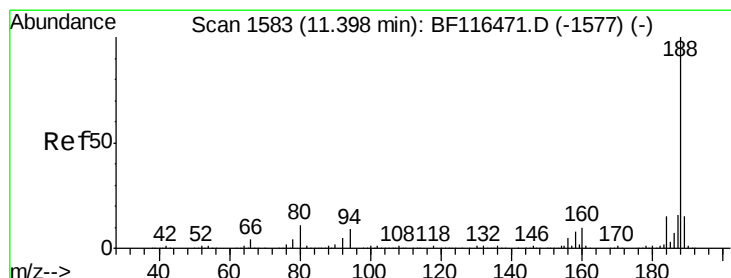
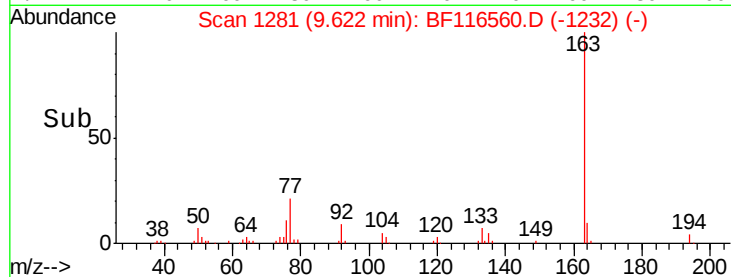
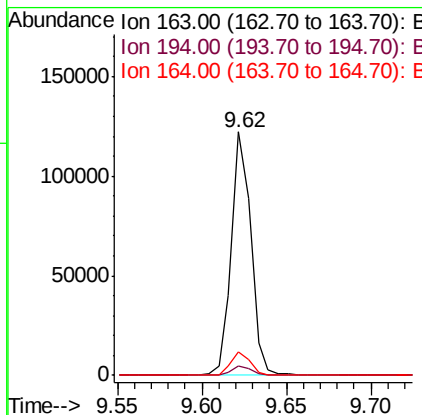
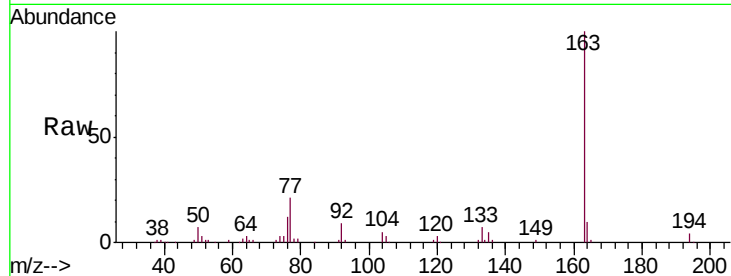
ClientSampleId :

SB-45-COMP

Tot Ion:	163	Resp:	97939
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.9	4.3
164	9.8	8.2	12.2

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#64

Phenanthrene-d10

Concen: 20.000 ng

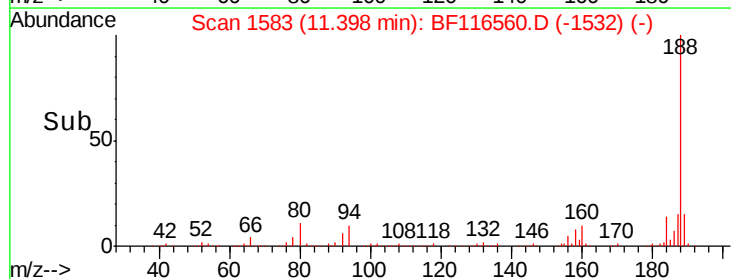
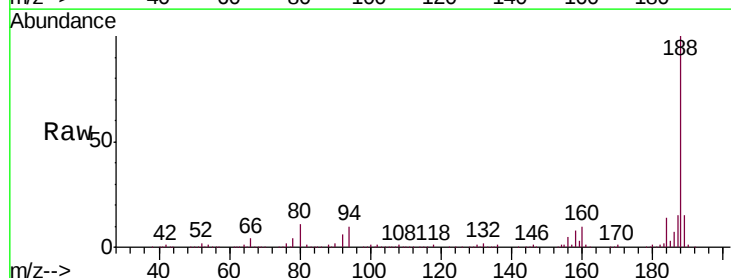
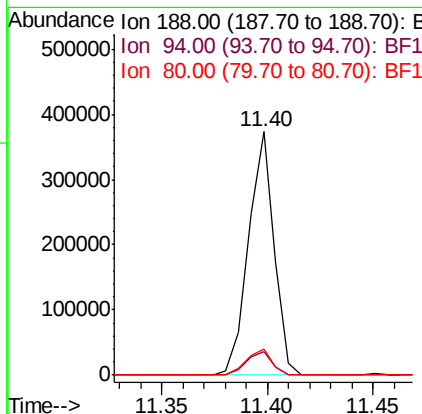
RT: 11.40 min Scan# 1583

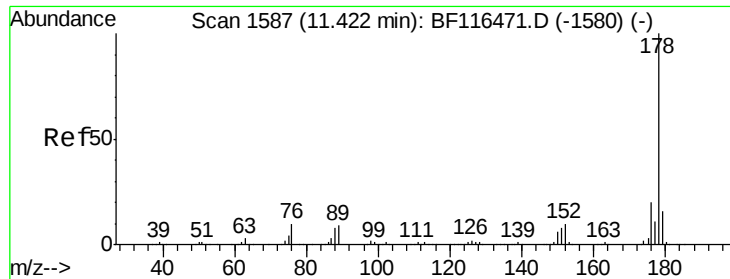
Delta R.T. -0.00 min

Lab File: BF116560.D

Acq: 26 Aug 2019 6:50

Tgt Ion:	188	Resp:	313479
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.4	11.2
80	10.7	8.6	12.8





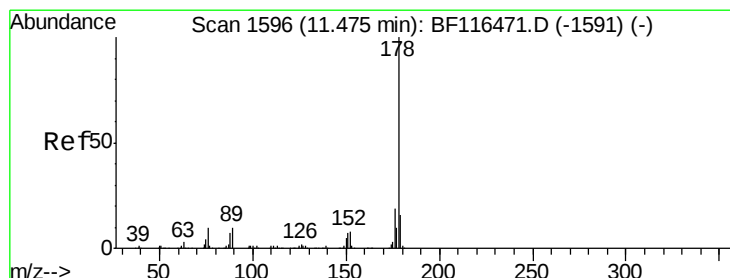
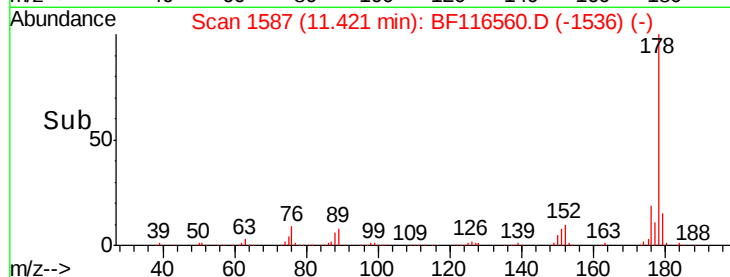
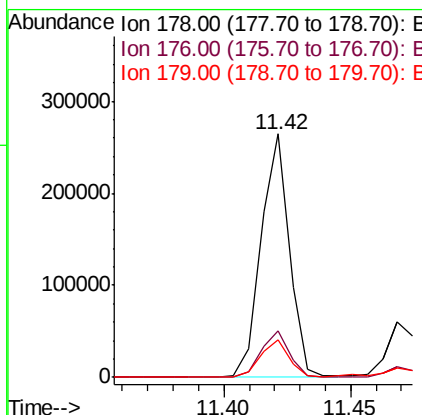
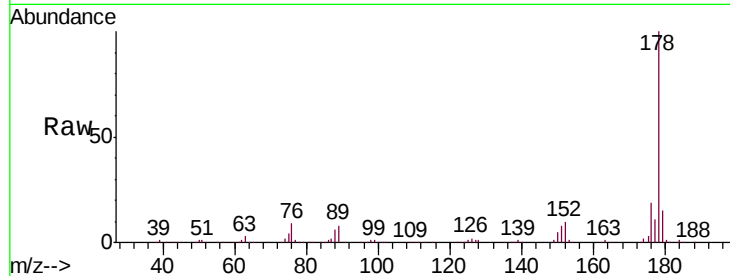
#71
Phenanthrene
Concen: 12.135 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116560.D
Acq: 26 Aug 2019 6:50

Instrument :
BNA_F
ClientSampleId :
SB-45-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.6
179	15.5	12.8	19.2

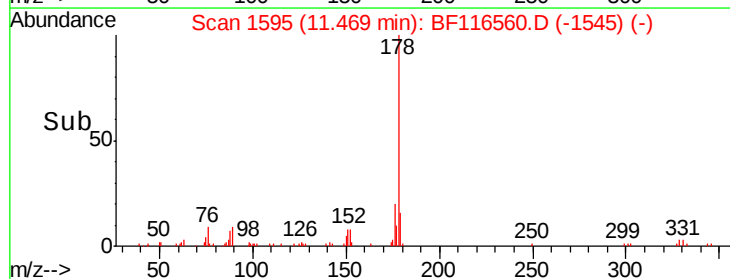
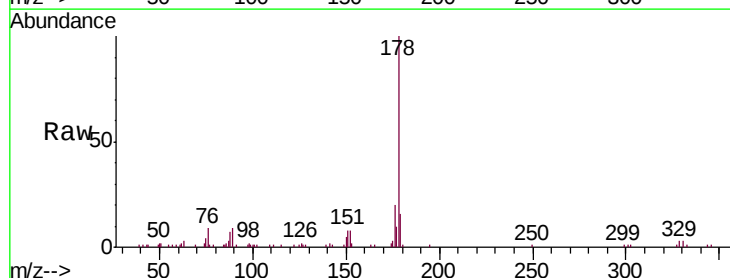
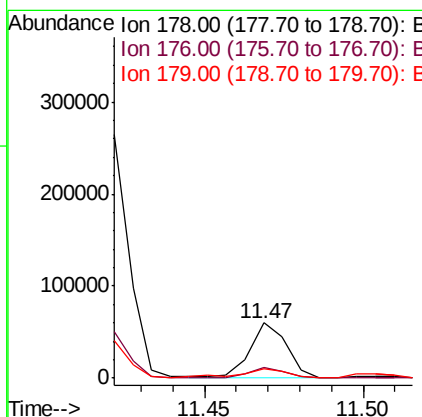
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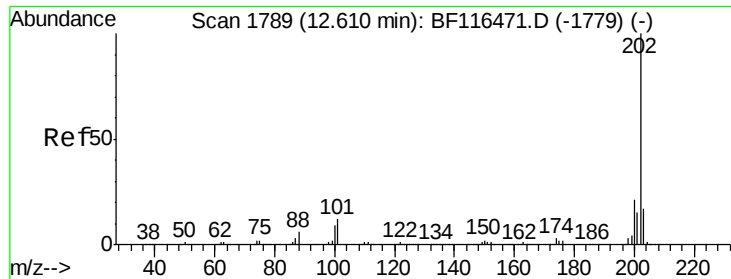
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#72
Anthracene
Concen: 2.773 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF116560.D
Acq: 26 Aug 2019 6:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.2	22.8
179	16.1	12.5	18.7





#75

Fluoranthene

Concen: 18.684 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BF116560.D

Acq: 26 Aug 2019 6:50

Instrument :

BNA_F

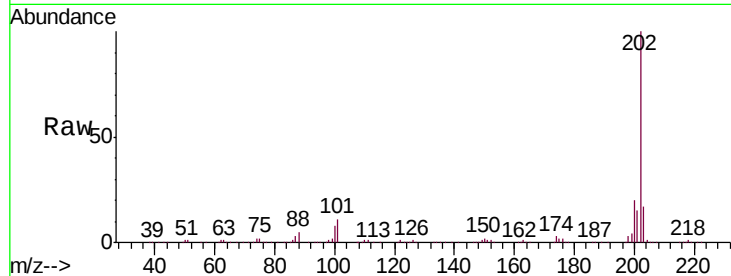
ClientSampleId :

SB-45-COMP

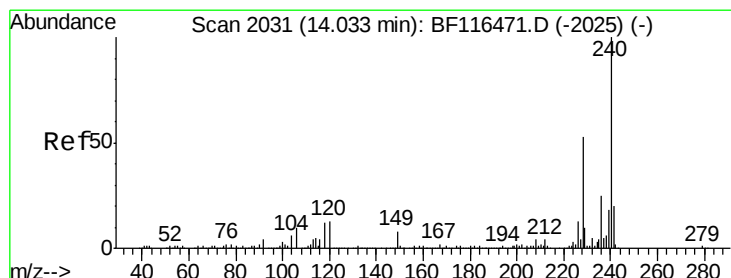
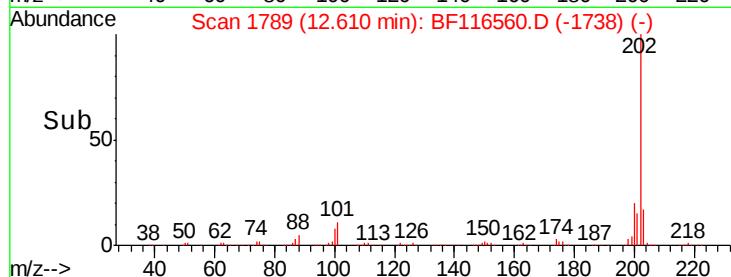
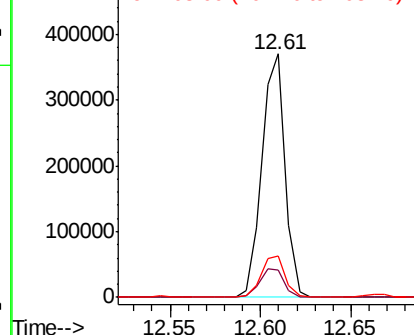
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		329872		
101	11.0	0.0	31.5		
203	16.9	0.0	37.5		

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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

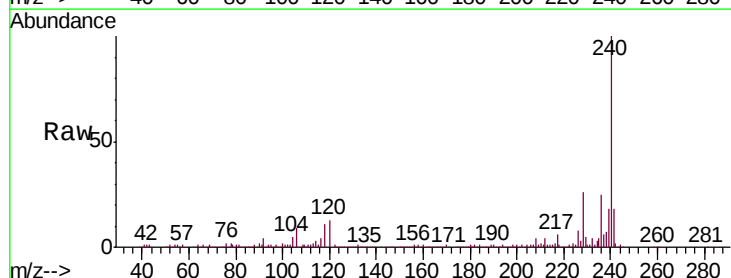
RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

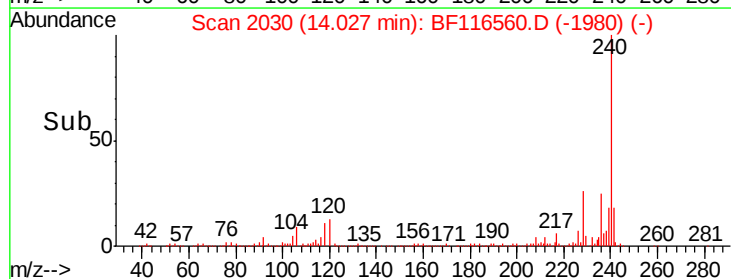
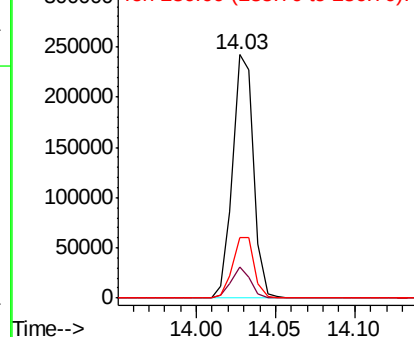
Lab File: BF116560.D

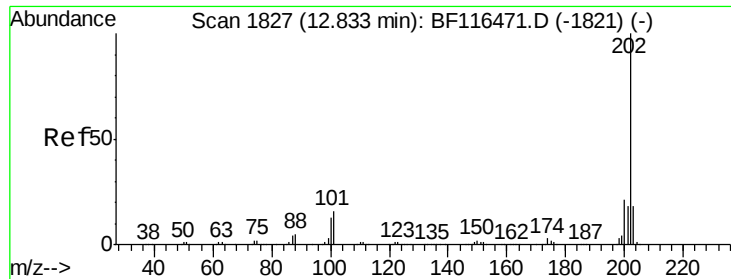
Acq: 26 Aug 2019 6:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		222218		
120	12.9	10.5	15.7		
236	24.9	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





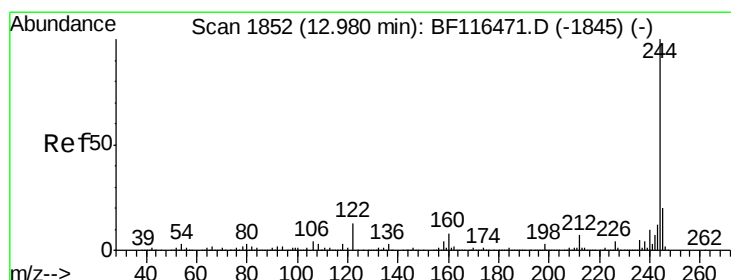
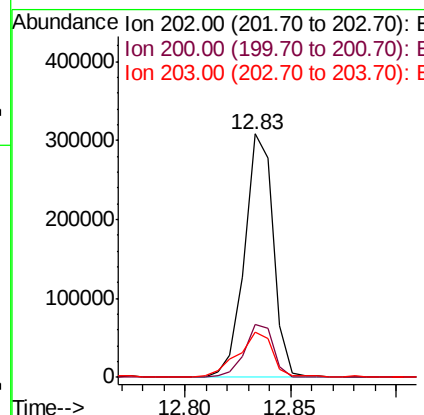
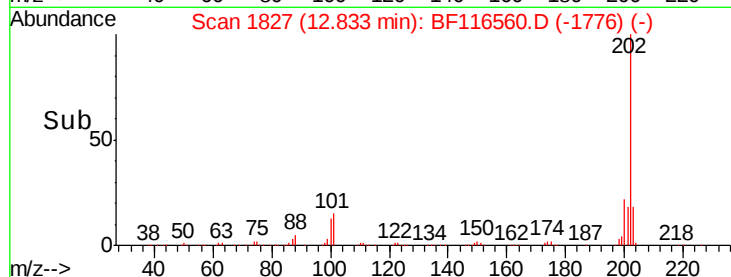
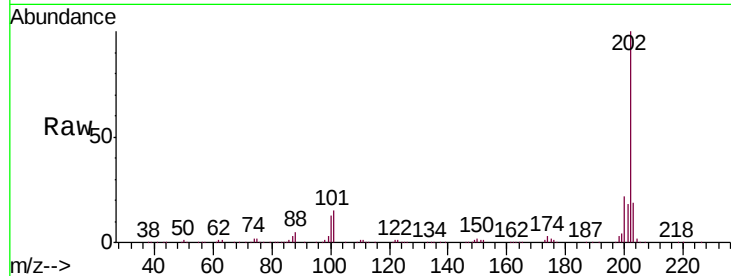
#78
Pvrene
Concen: 16.396 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF116560.D
Acq: 26 Aug 2019 6:50

Instrument :
BNA_F
ClientSampleId :
SB-45-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	17.0	25.4
203	18.6	14.2	21.4

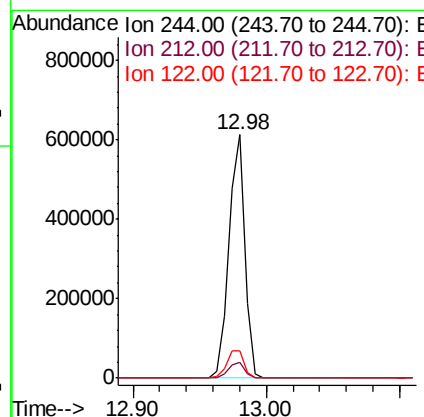
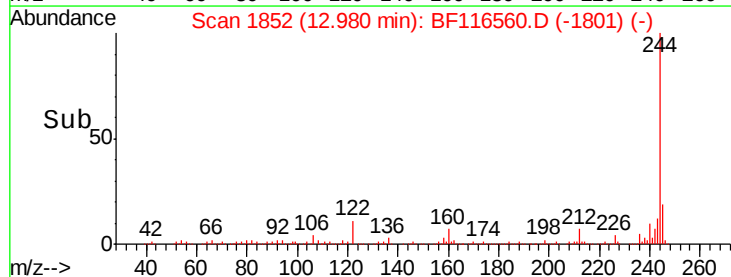
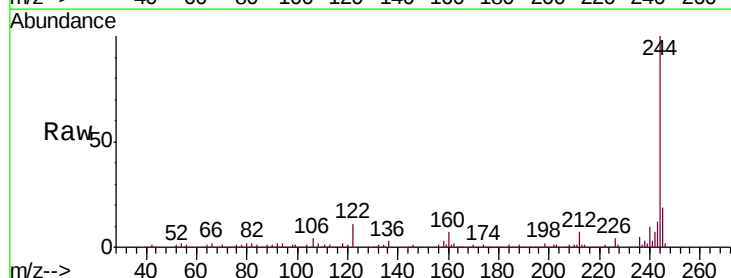
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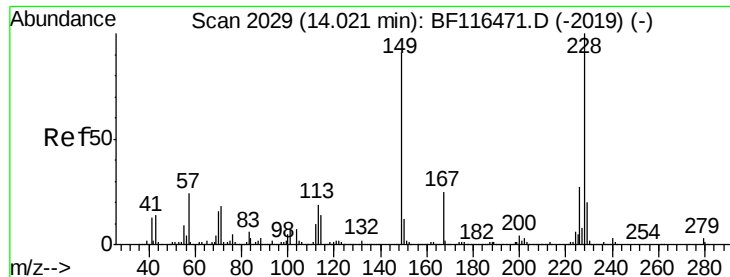
mohammad
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#79
Terphenyl-d14
Concen: 43.602 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BF116560.D
Acq: 26 Aug 2019 6:50

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.7	8.5
122	11.4	10.2	15.4





#81

Benzo(a)anthracene

Concen: 10.209 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF116560.D

Acq: 26 Aug 2019 6:50

Instrument :

BNA_F

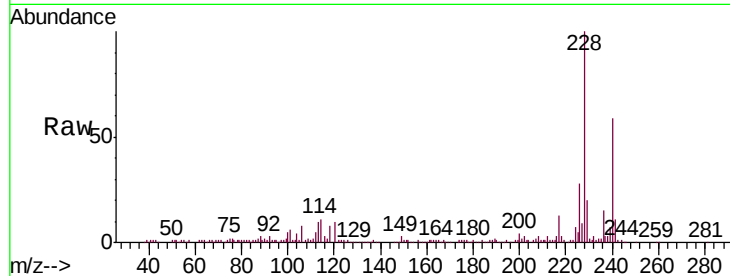
ClientSampleId :

SB-45-COMP

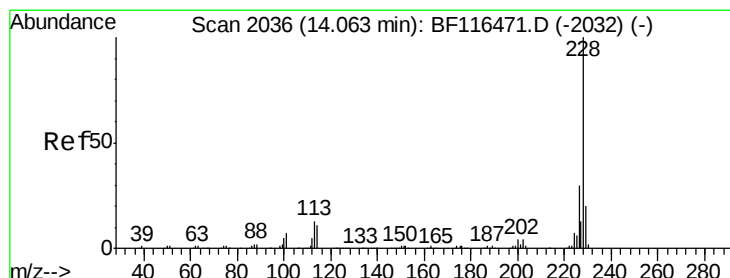
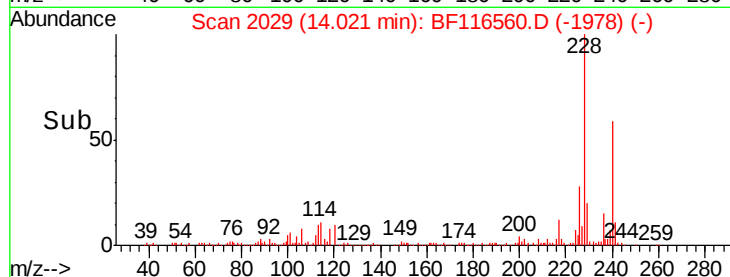
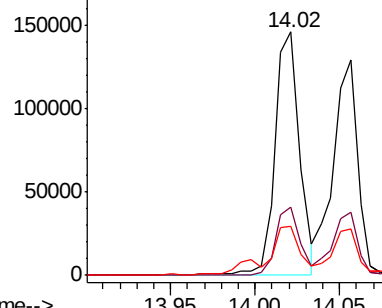
Tot Ion:	228	Resp:	146937
Ion Ratio	Lower	Upper	
228	100		
226	28.0	21.8	32.6
229	20.4	15.9	23.9

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Abundance Ion 228.00 (227.70 to 228.70): E
200000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 9.002 ng

RT: 14.06 min Scan# 2035

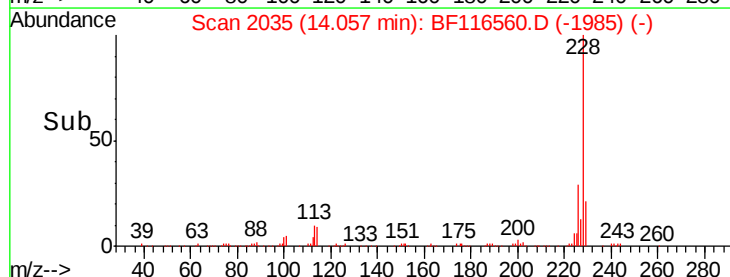
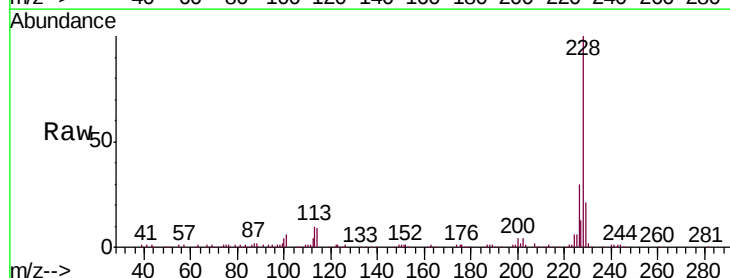
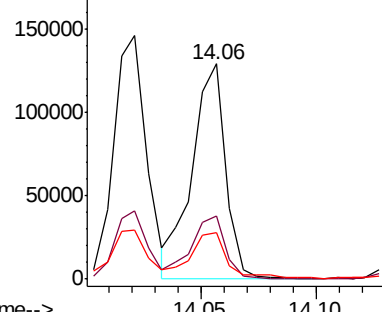
Delta R.T. -0.01 min

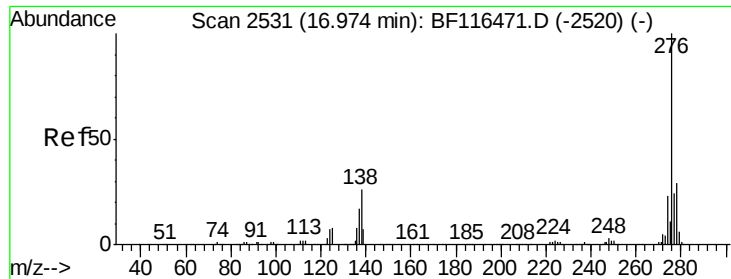
Lab File: BF116560.D

Acq: 26 Aug 2019 6:50

Tgt Ion:	228	Resp:	131315
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.2	36.2
229	21.3	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
200000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





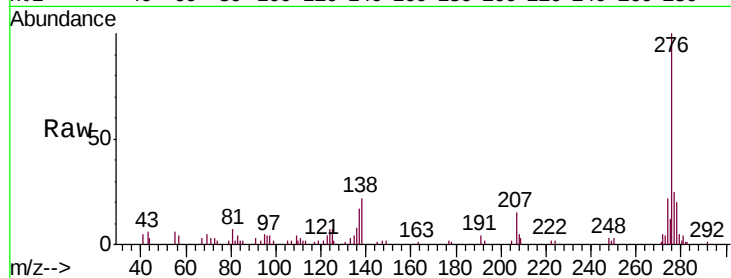
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.993 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF116560.D
Acq: 26 Aug 2019 6:50

Instrument :
BNA_F
ClientSampleId :
SB-45-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	22.9	34.3
277	26.7	19.9	29.9

Manual Integrations
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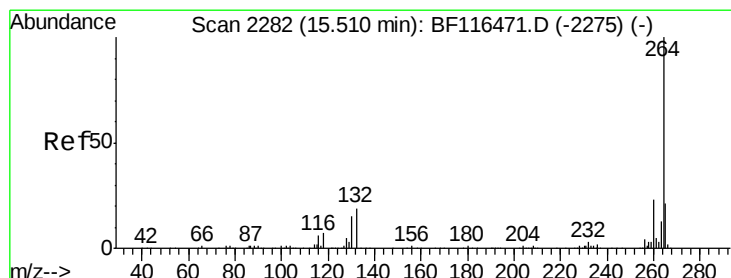
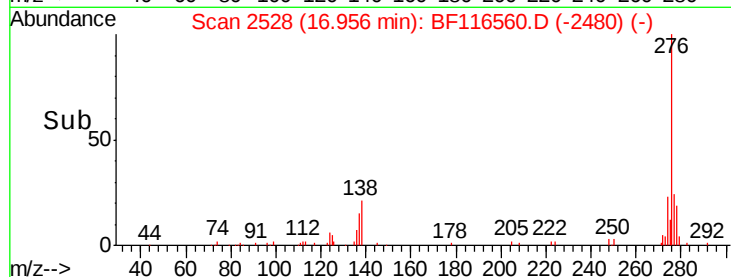
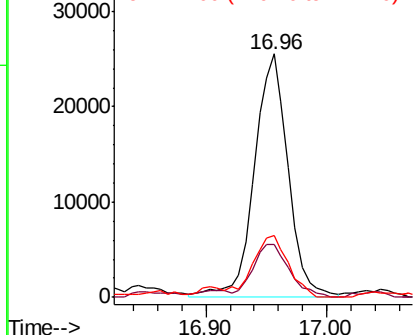


Abundance

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: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF116560.D
Acq: 26 Aug 2019 6:50

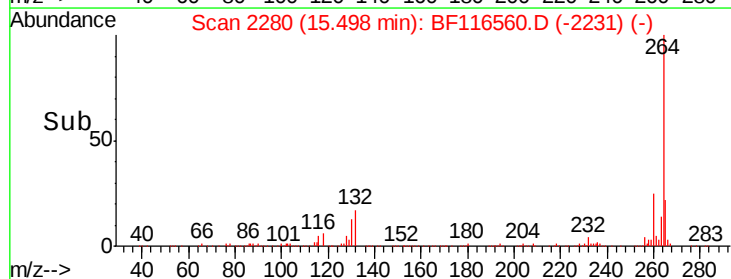
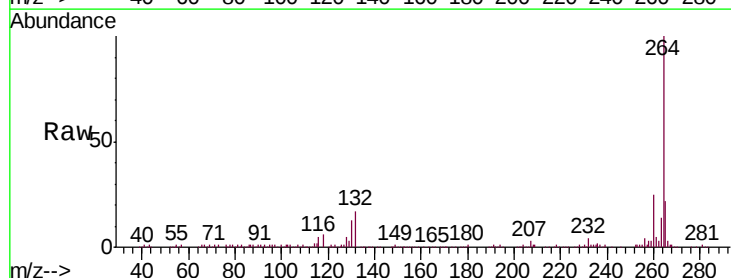
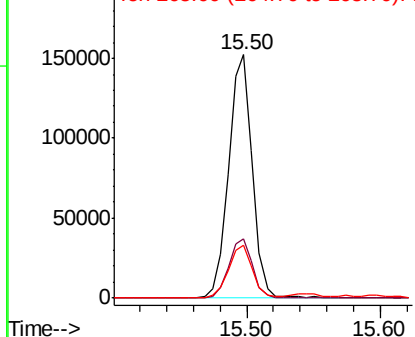
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.8	28.2
265	21.6	17.1	25.7

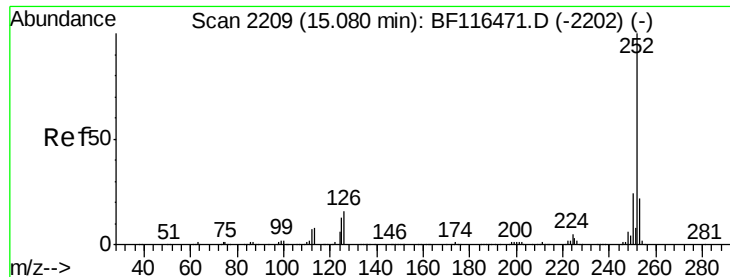
Abundance

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





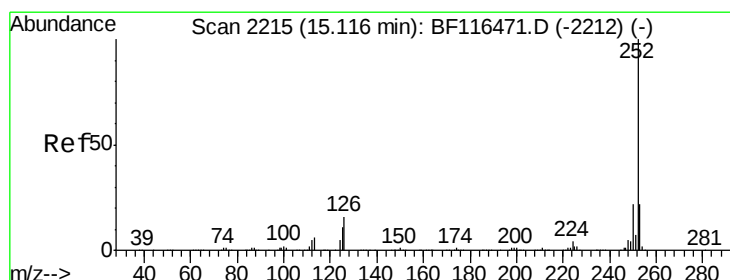
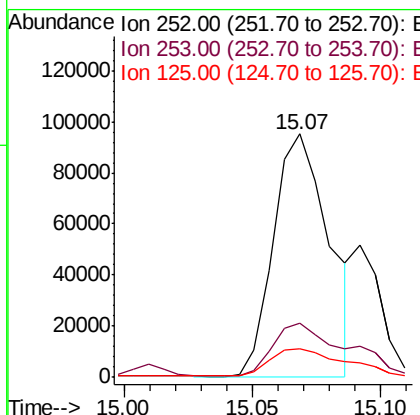
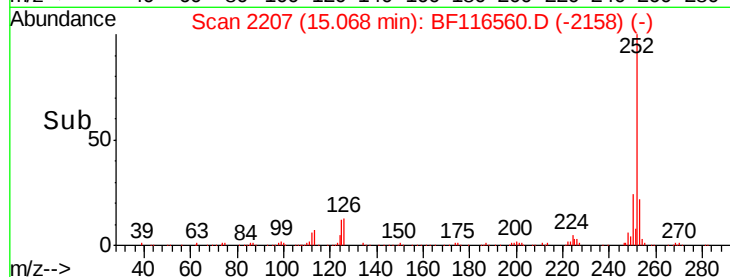
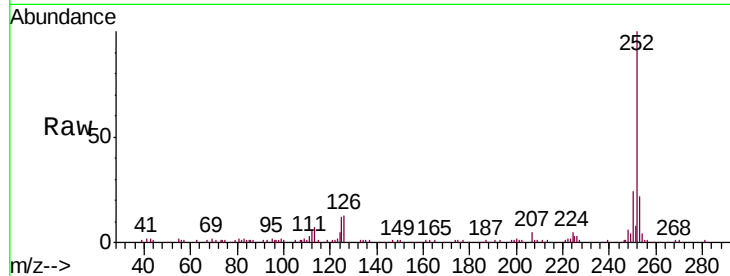
#88
Benzo(b)fluoranthene
Concen: 12.306 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116560.D
Acq: 26 Aug 2019 6:50

Instrument :
BNA_F
ClientSampleId :
SB-45-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	11.9	10.1	15.1

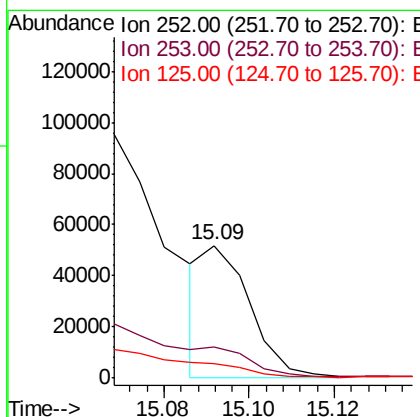
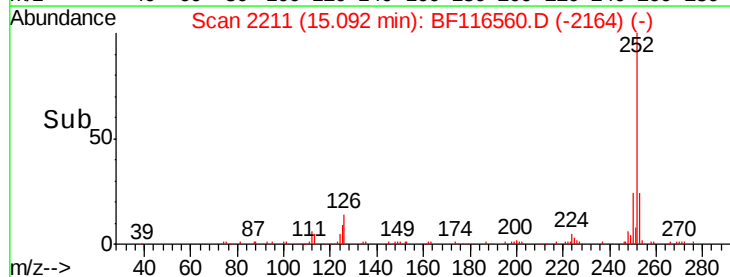
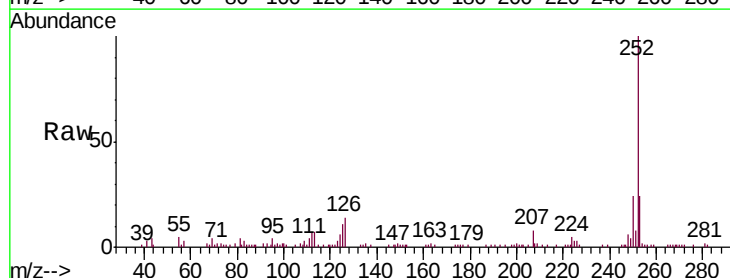
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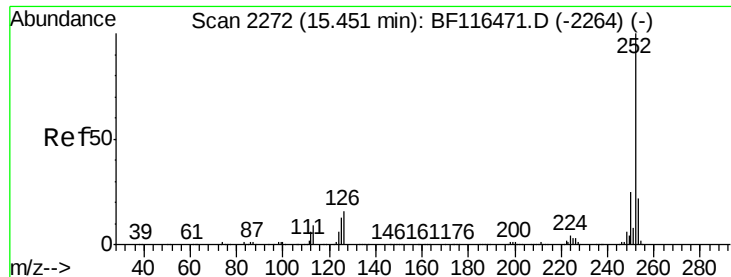
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#89
Benzo(k)fluoranthene
Concen: 3.769 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF116560.D
Acq: 26 Aug 2019 6:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	10.9	9.1	13.7





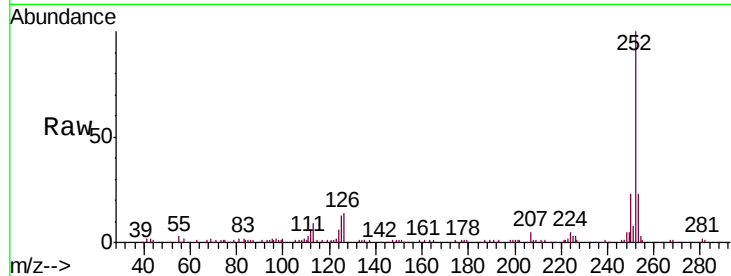
#90
Benzo(a)pyrene
Concen: 9.031 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116560.D
Acq: 26 Aug 2019 6:50

Instrument :
BNA_F
ClientSampleId :
SB-45-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	12.5	10.2	15.4

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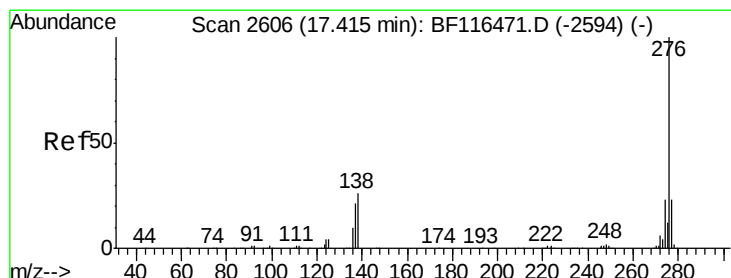
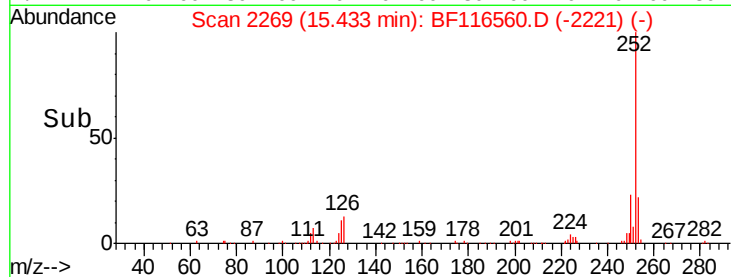
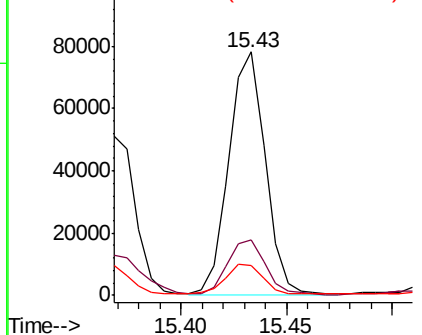


Abundance

Ion 252.00 (251.70 to 252.70): E

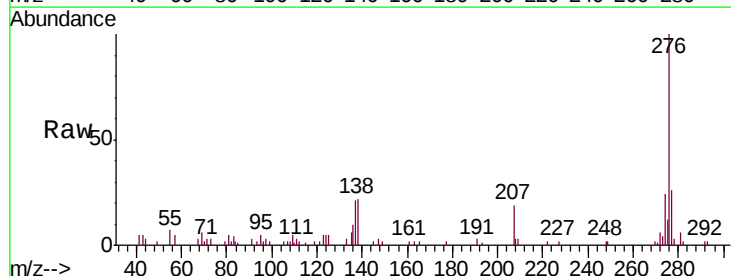
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.564 ng
RT: 17.40 min Scan# 2603
Delta R.T. -0.02 min
Lab File: BF116560.D
Acq: 26 Aug 2019 6:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.7	28.1
138	22.2	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

