

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116089.D
 Acq On : 9 Aug 2019 1:11
 Operator : HP/JU
 Sample : K4154-09 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-9

Manual Integrations
 APPROVED

mohammad
 8/14/2019 9:21:33 AM

Quant Time: Aug 09 16:47:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	131119	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	533605	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	285750	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	493826	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	318476	20.00	ng	-0.01
87) Perylene-d12	15.46	264	359942	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	351037	44.82	ng	-0.01
7) Phenol-d6	6.47	99	474676	48.03	ng	-0.02
23) Nitrobenzene-d5	7.40	82	249314	26.97	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	103589	37.39	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	418401	27.43	ng	-0.02
79) Terphenyl-d14	12.93	244	373669	24.72	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.59	163	132786	6.825	ng	98
71) Phenanthrene	11.38	178	94383	3.739	ng	96
75) Fluoranthene	12.57	202	209109	7.912	ng	99
78) Pyrene	12.80	202	160828	6.699	ng	98
81) Benzo(a)anthracene	13.99	228	66147	3.250	ng	98
83) Chrysene	14.02	228	74303	3.760	ng	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	41970	2.529	ng	# 90
88) Benzo(b)fluoranthene	15.04	252	94660m	4.548	ng	
90) Benzo(a)pyrene	15.40	252	57943	3.114	ng	98
92) Benzo(g,h,i)perylene	17.38	276	37693	2.383	ng	95

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

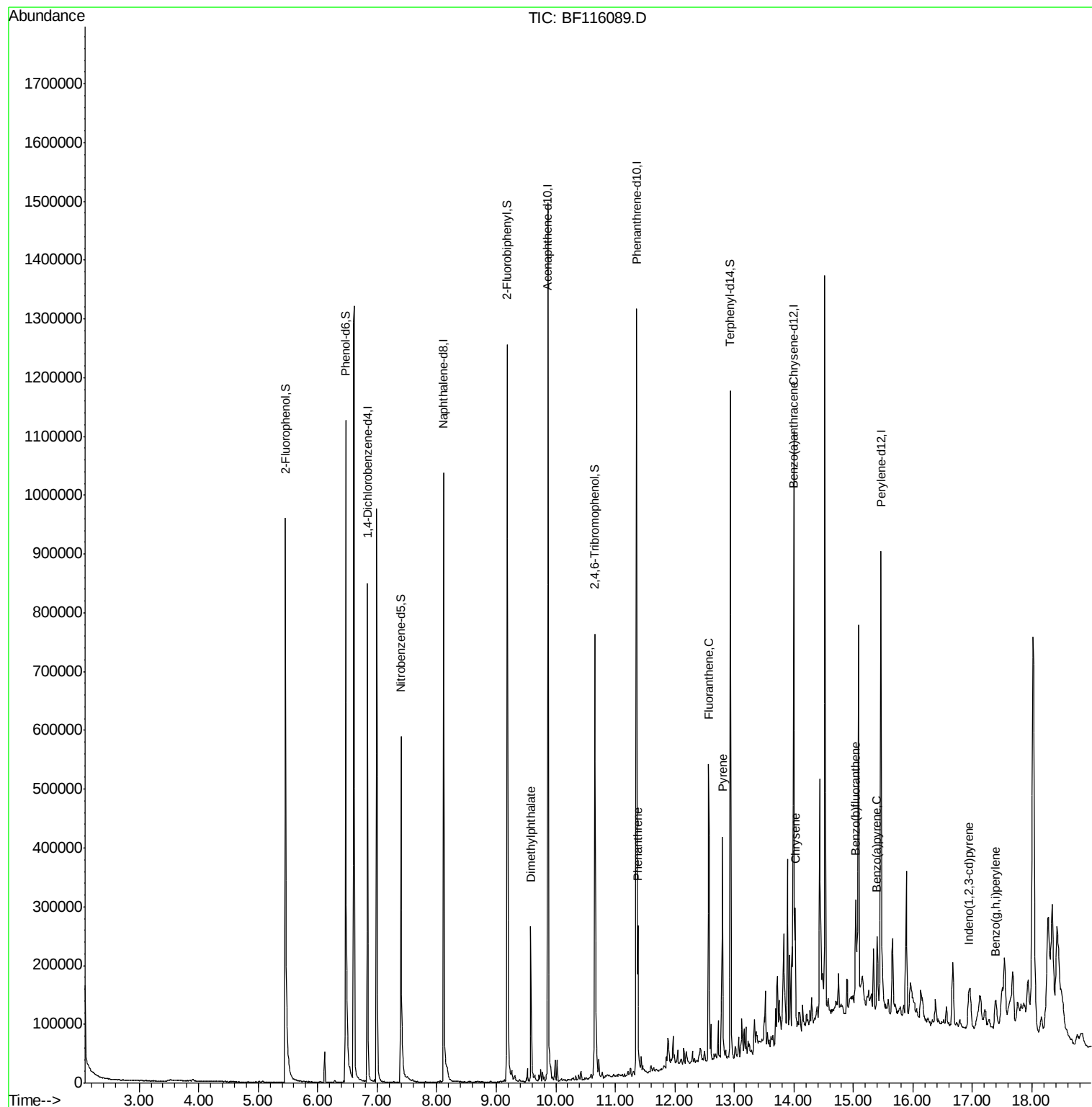
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116089.D
Acq On : 9 Aug 2019 1:11
Operator : HP/JU
Sample : K4154-09 2X
Misc :
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Instrument :
BNA_F
ClientSampled :
PS-9

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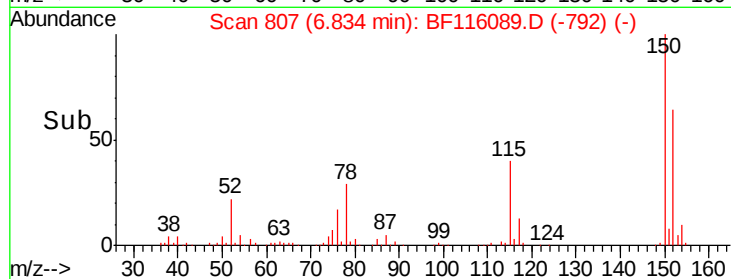
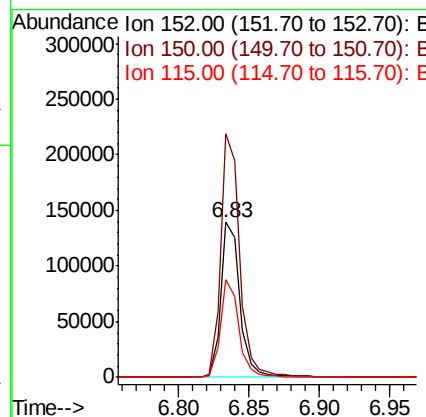
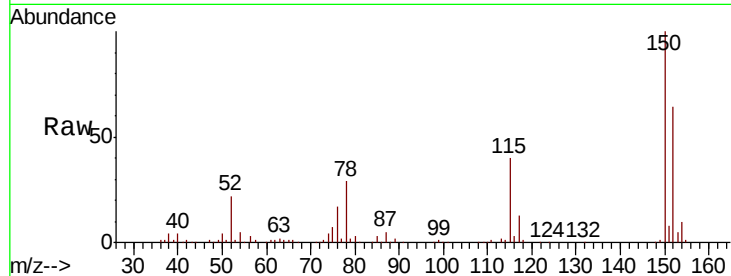
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Instrument :
 BNA_F
 ClientSampled :
 PS-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.2	189.2
115	63.1	49.9	74.9

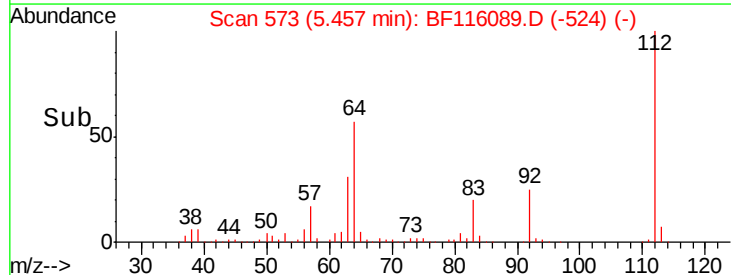
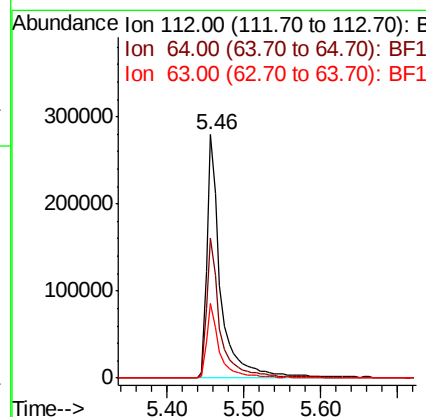
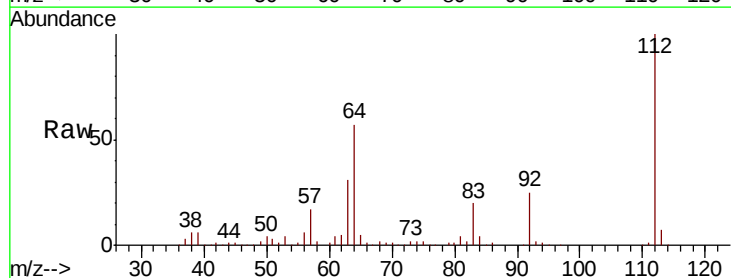
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#5
 2-Fluorophenol
 Concen: 44.819 ng
 RT: 5.46 min Scan# 573
 Delta R.T. -0.01 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	45.4	68.2
63	30.6	23.7	35.5





#7

Phenol-d6

Concen: 48.035 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116089.D

Acq: 9 Aug 2019 1:11

Instrument :

BNA_F

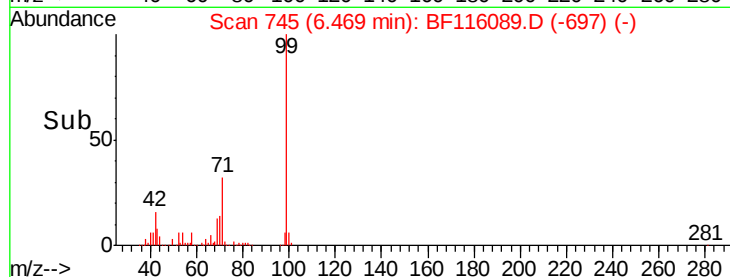
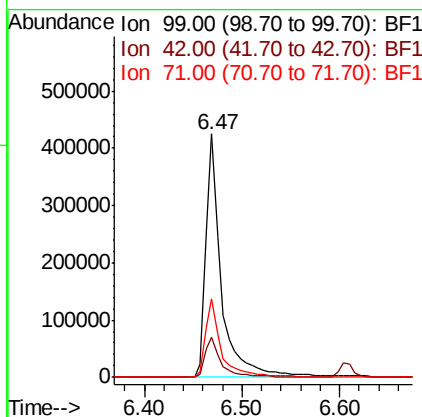
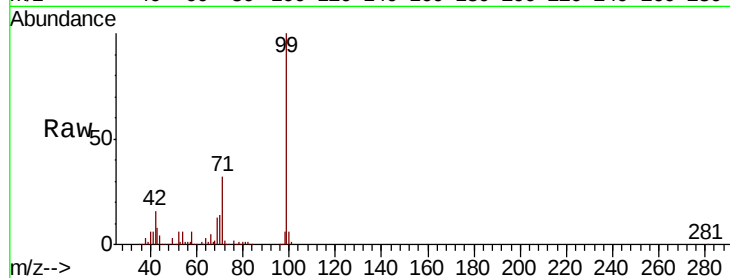
ClientSampleId :

PS-9

Tot Ion:	99	Resp:	474676
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.8	20.8
71	32.5	27.3	40.9

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#21

Naphthalene-d8

Concen: 20.000 ng

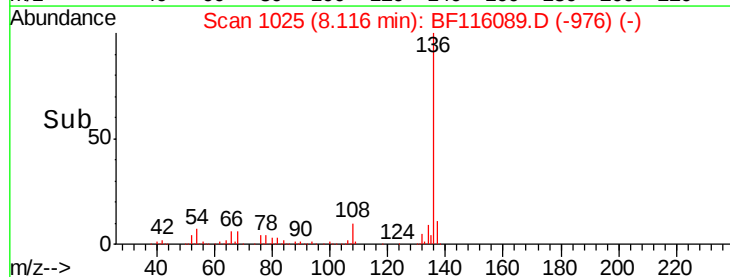
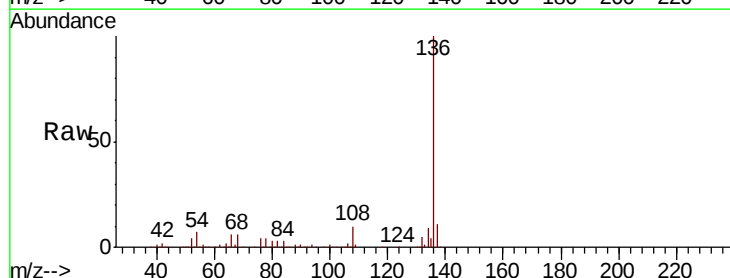
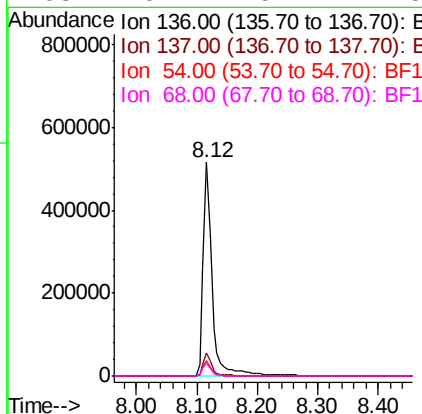
RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116089.D

Acq: 9 Aug 2019 1:11

Tgt Ion:	136	Resp:	533605
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.3	5.8	8.6
68	6.2	5.2	7.8





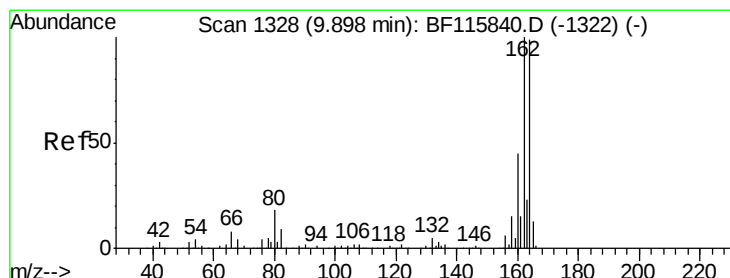
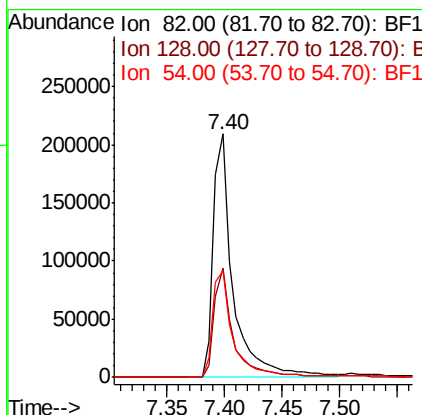
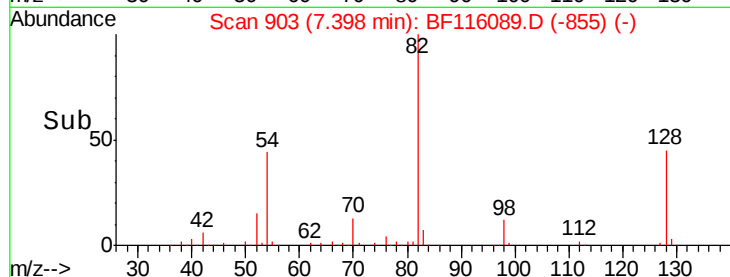
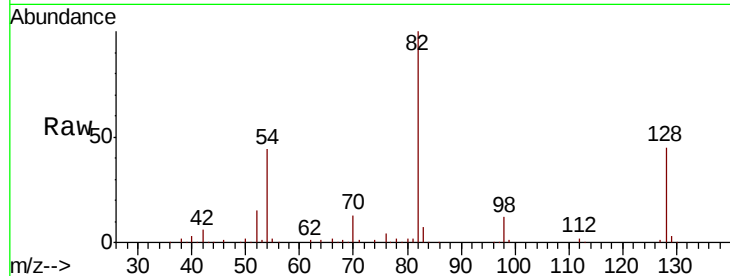
#23
 Nitrobenzene-d5
 Concen: 26.970 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Instrument :
 BNA_F
 ClientSampled :
 PS-9

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.5	54.7
54	43.8	36.0	54.0

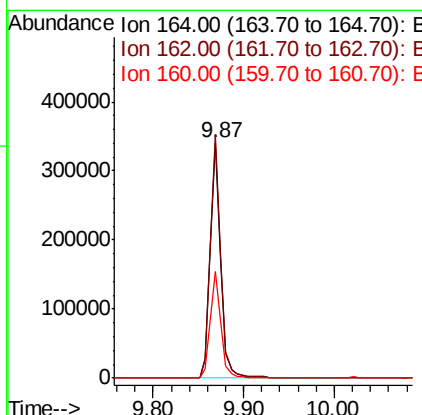
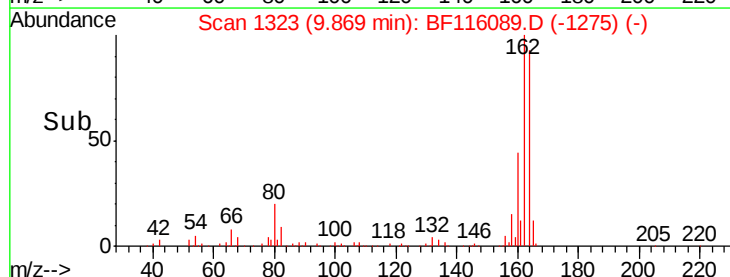
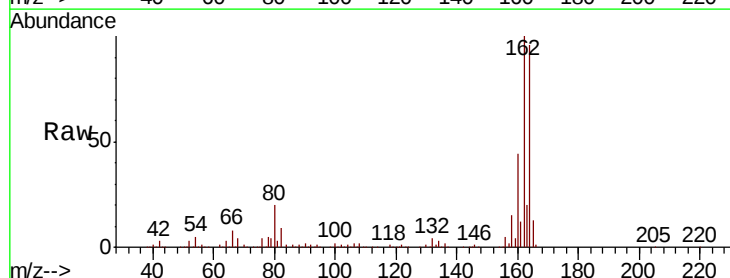
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	124.0
160	45.7	37.6	56.4





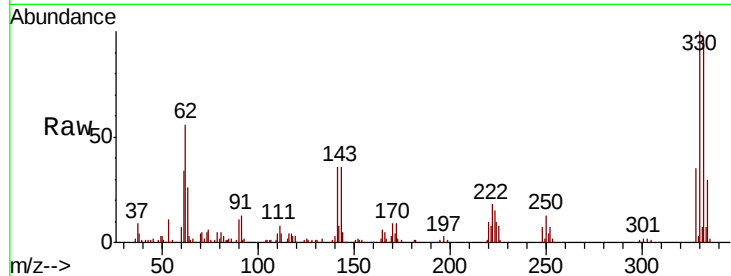
#42
 2,4,6-Tribromophenol
 Concen: 37.391 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Instrument :
 BNA_F
 ClientSampled :
 PS-9

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.5	76.8	115.2	
141	35.1	26.3	39.5	

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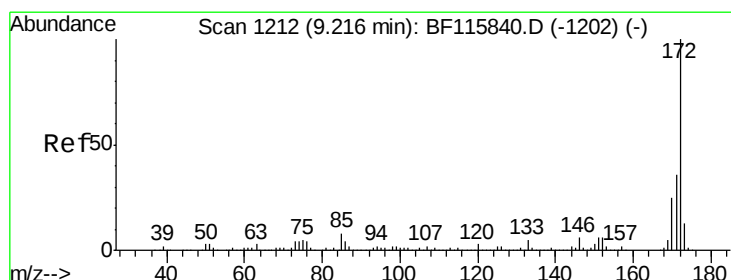
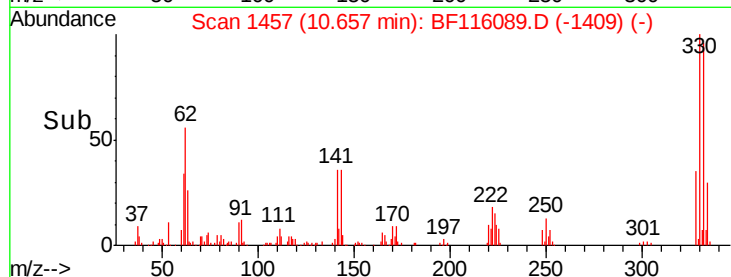
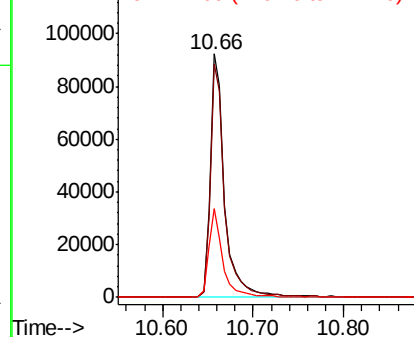


Abundance

Ion 329.80 (329.50 to 330.50): E

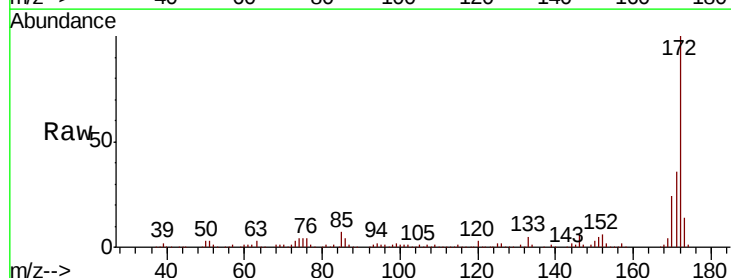
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 27.426 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.6	44.4	
170	24.0	20.1	30.1	

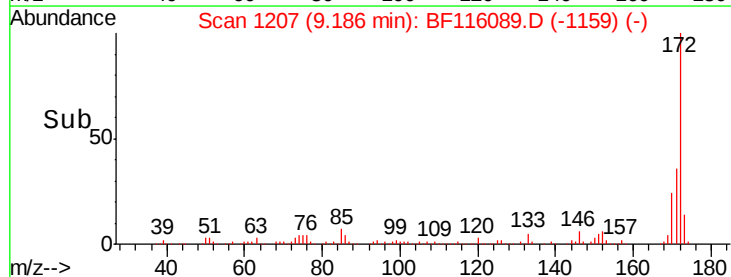
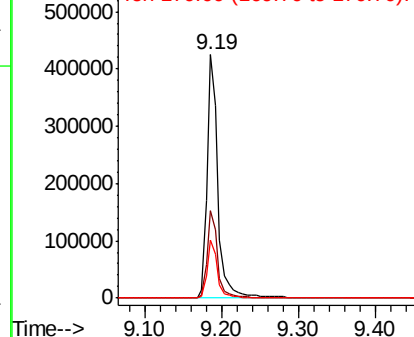


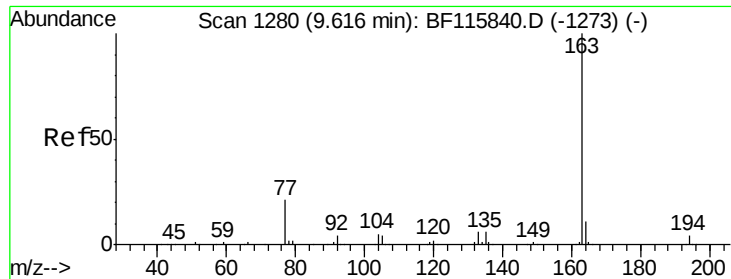
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.825 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116089.D

Acq: 9 Aug 2019 1:11

Instrument :

BNA_F

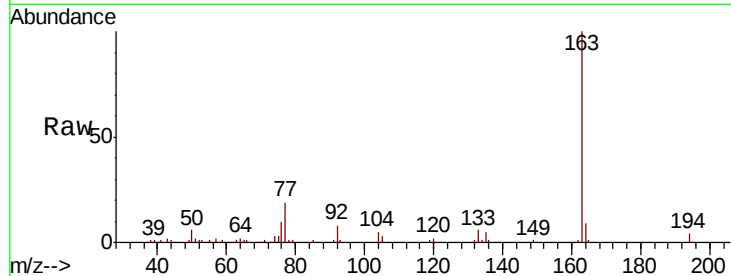
ClientSampleId :

PS-9

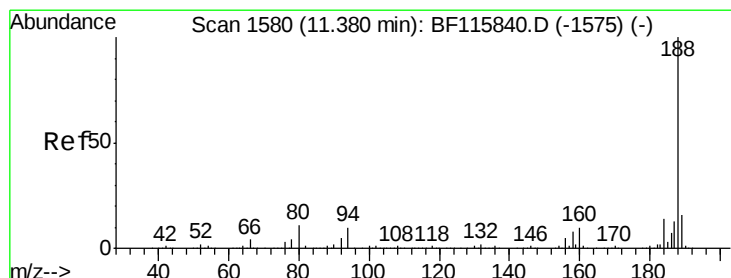
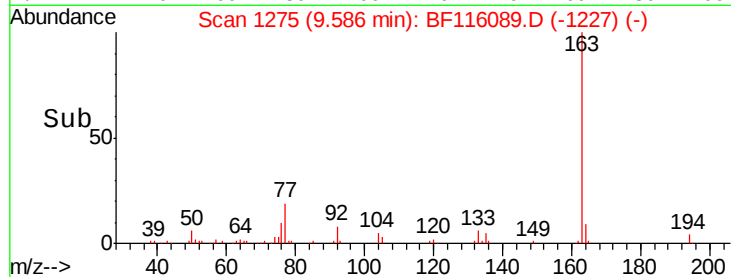
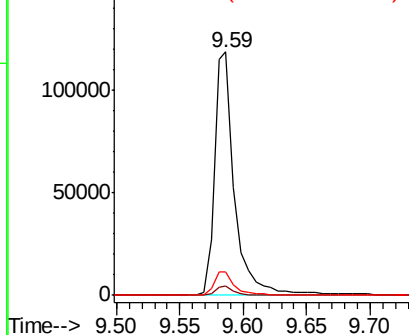
Tot Ion:	163	Resp:	132786
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.0	4.6
164	9.4	8.4	12.6

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

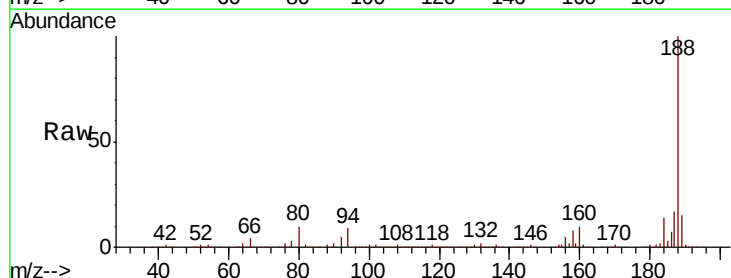
RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

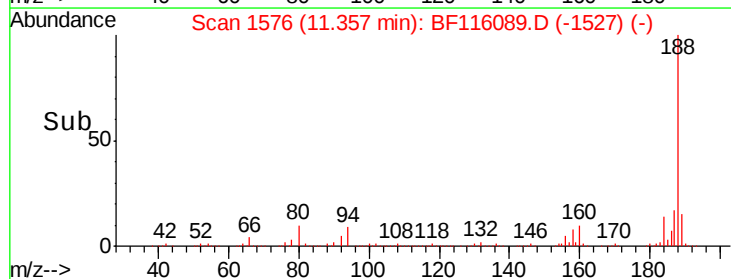
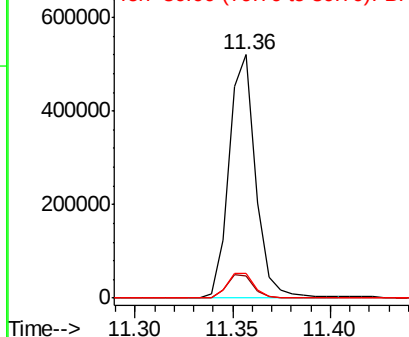
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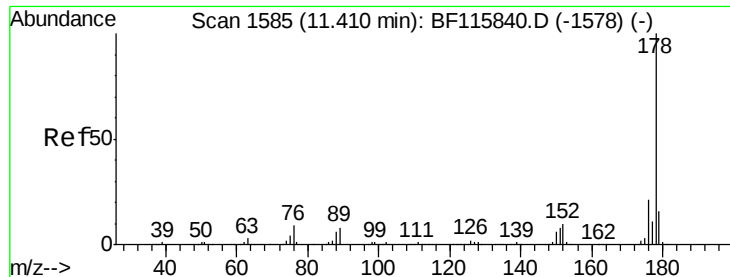
Acq: 9 Aug 2019 1:11

Tgt Ion:	188	Resp:	493826
Ion Ratio	Lower	Upper	
188	100		
94	8.9	8.1	12.1
80	10.1	8.7	13.1



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





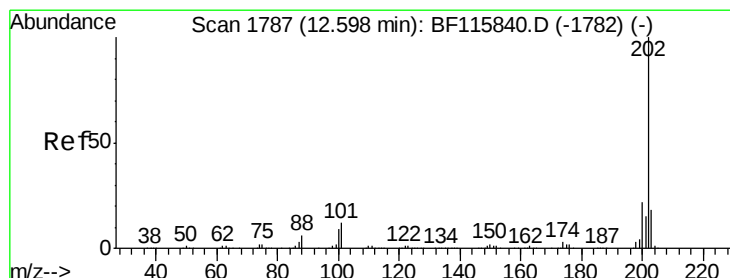
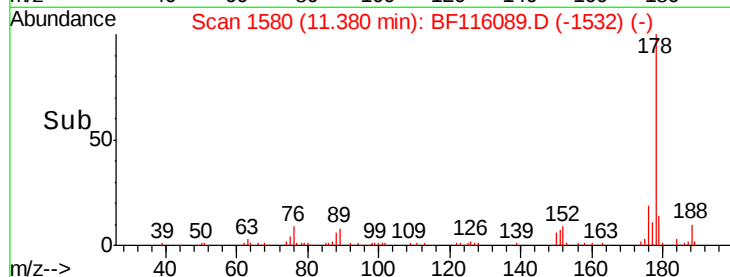
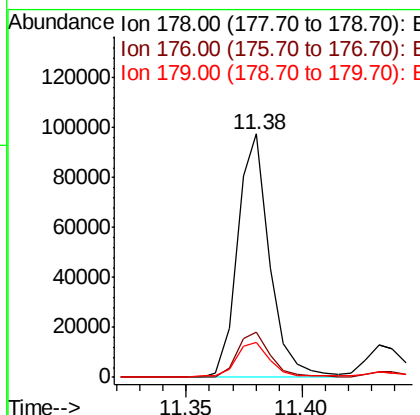
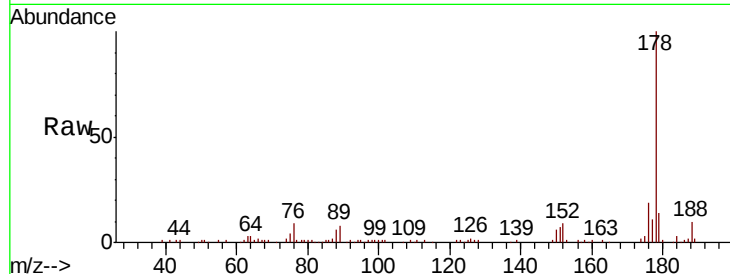
#71
Phenanthrene
Concen: 3.739 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Instrument :
BNA_F
ClientSampleId :
PS-9

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.6	24.8
179	14.2	12.5	18.7

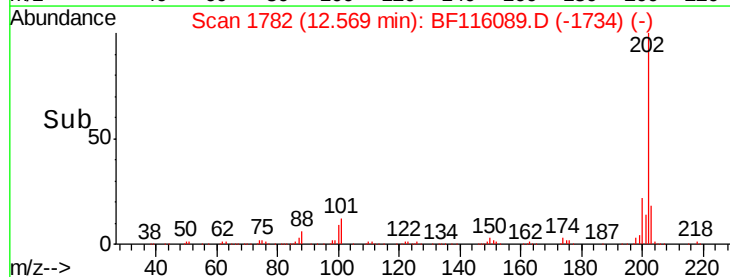
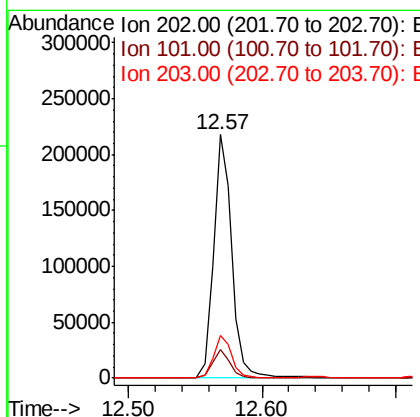
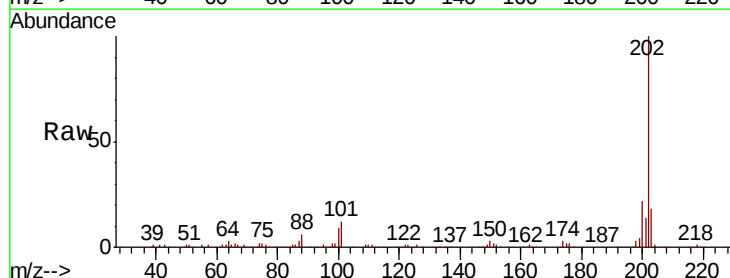
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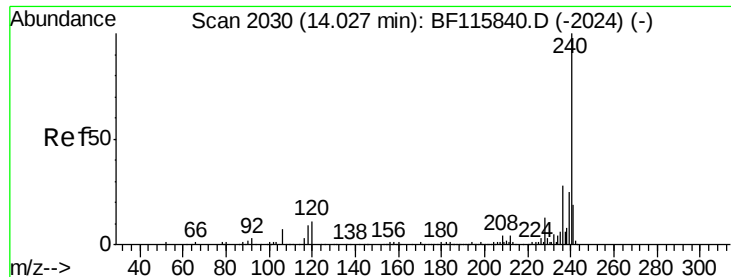
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#75
Fluoranthene
Concen: 7.912 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.02 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.2
203	17.5	0.0	37.8





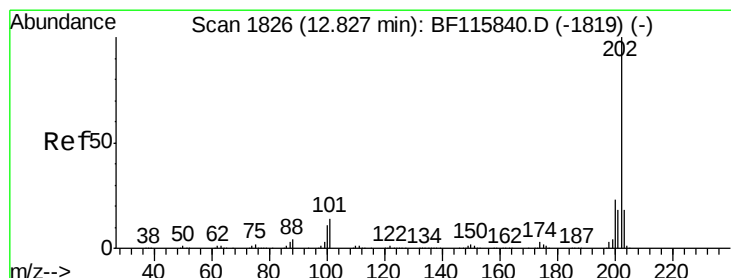
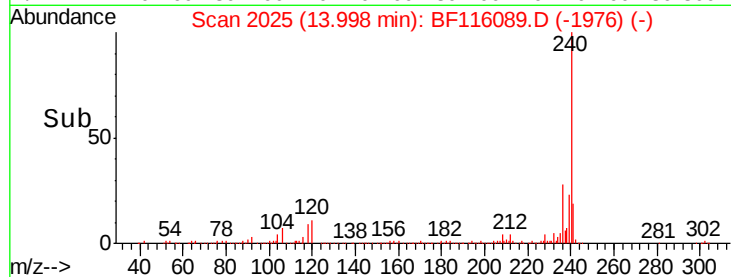
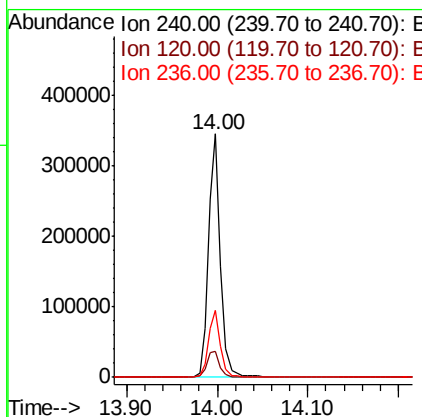
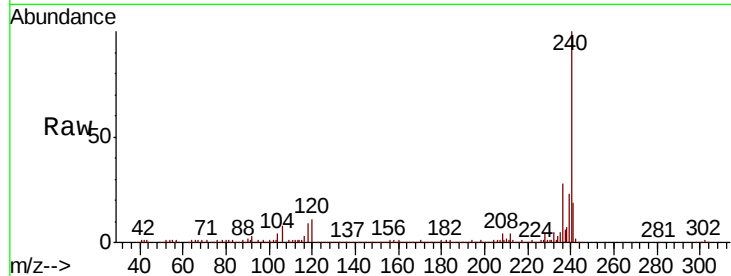
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Instrument :
BNA_F
ClientSampleId :
PS-9

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	10.7	16.1
236	27.7	22.2	33.2

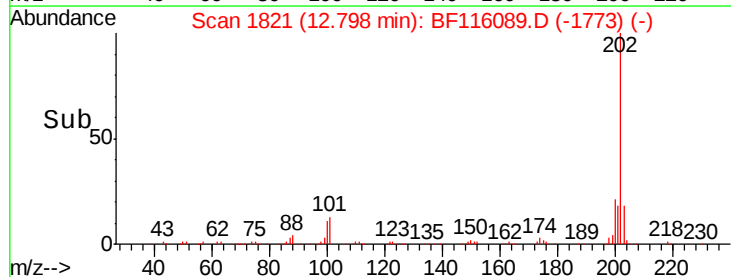
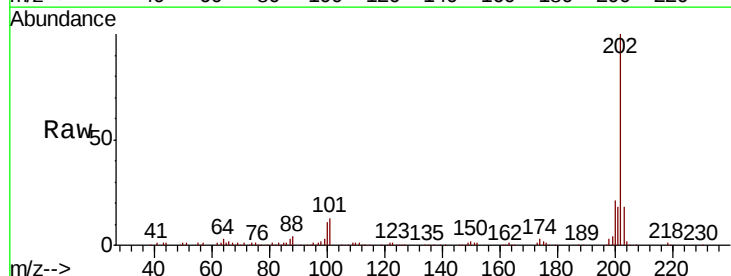
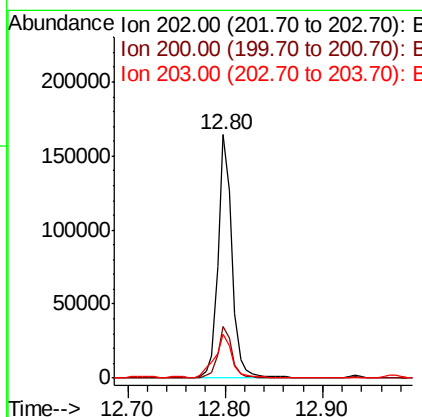
Manual Integrations
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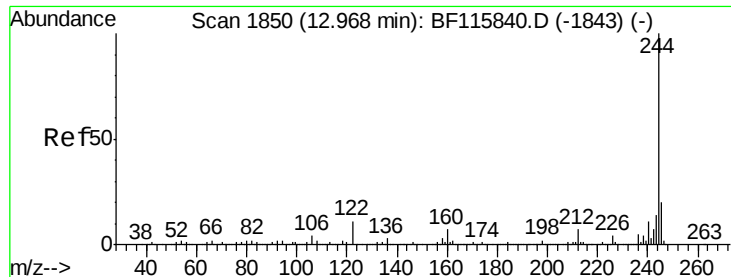
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#78
Pyrene
Concen: 6.699 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.0	27.0
203	17.9	14.1	21.1





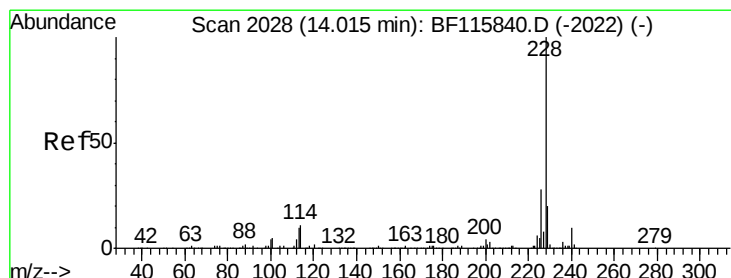
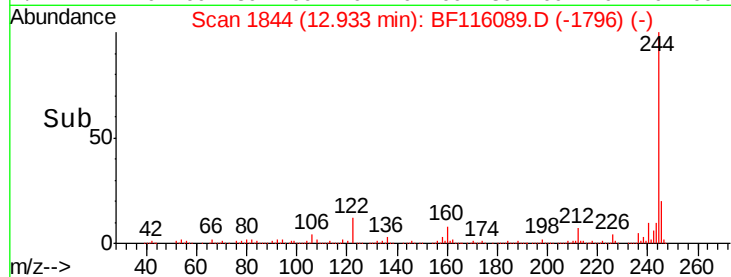
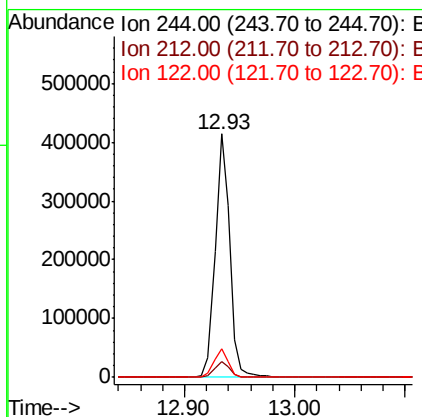
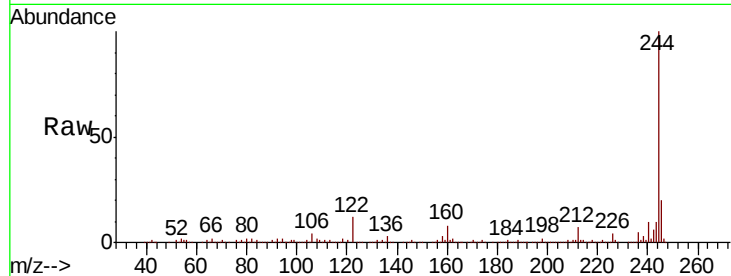
#79
 Terphenyl-d14
 Concen: 24.723 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Instrument :
 BNA_F
 ClientSampled :
 PS-9

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.7	9.0	13.4

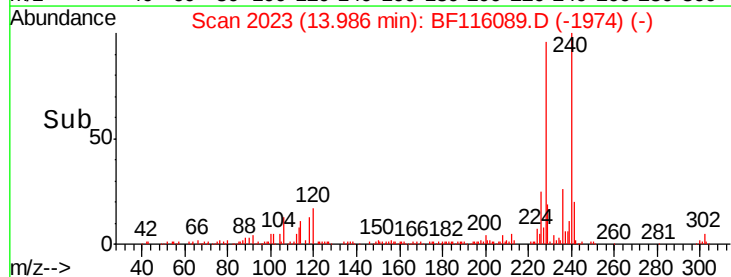
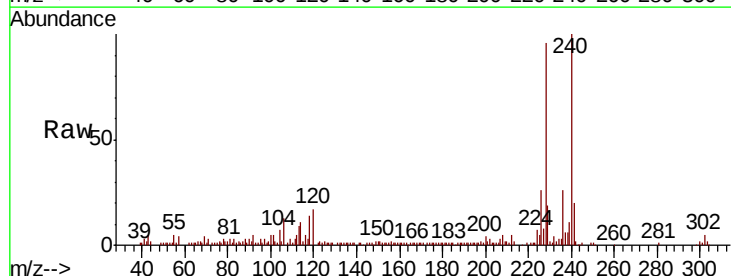
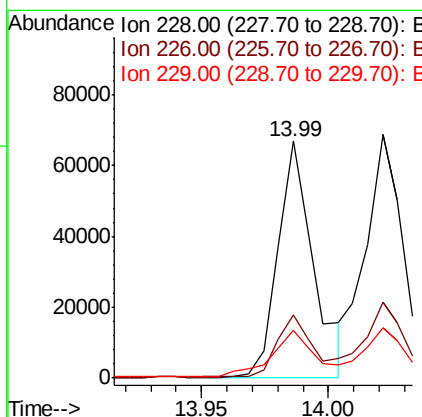
Manual Integrations
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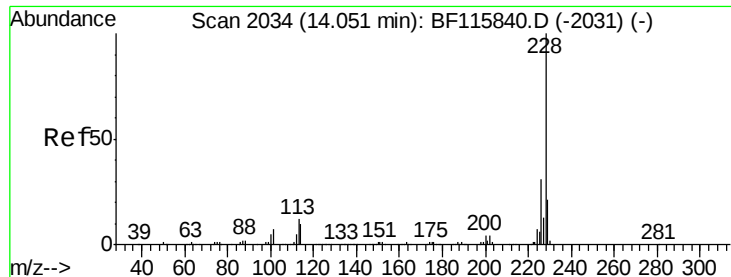
mohammad
 8/14/2019 9:21:33 AM



#81
 Benzo(a)anthracene
 Concen: 3.250 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF116089.D
 Acq: 9 Aug 2019 1:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.7	34.1
229	20.1	16.2	24.4





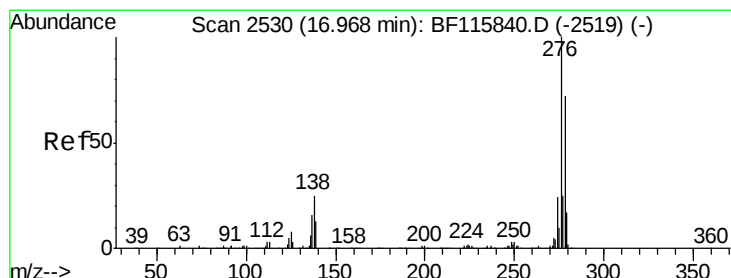
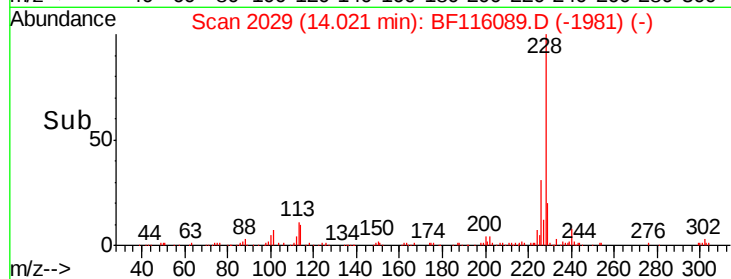
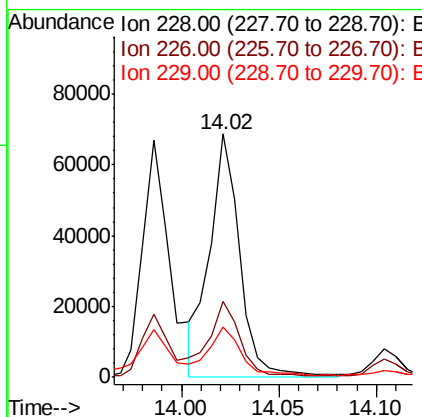
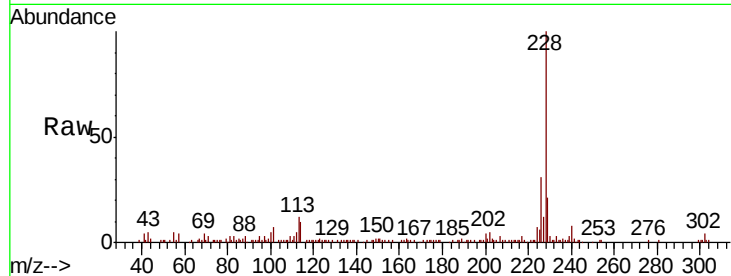
#83
Chrysene
Concen: 3.760 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Instrument :
BNA_F
ClientSampleId :
PS-9

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.5	38.3
229	20.9	16.6	24.8

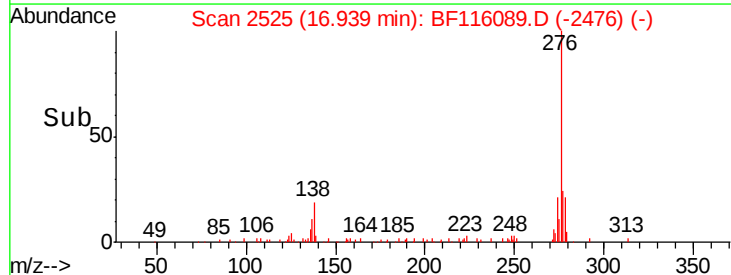
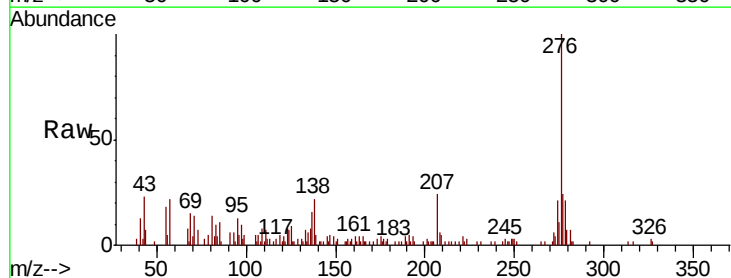
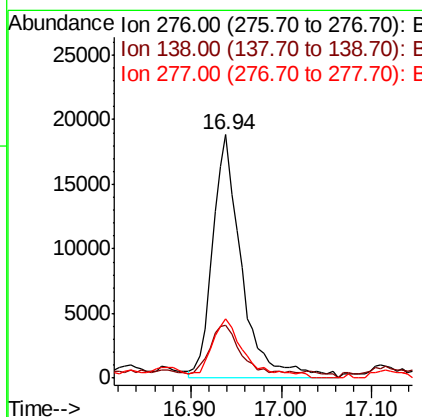
Manual Integrations
APPROVED

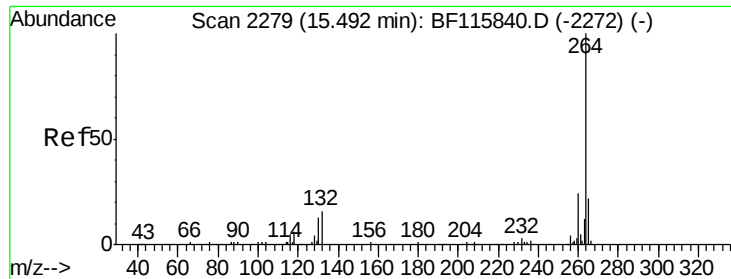
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.529 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	20.4	30.6#
277	20.9	20.0	30.0





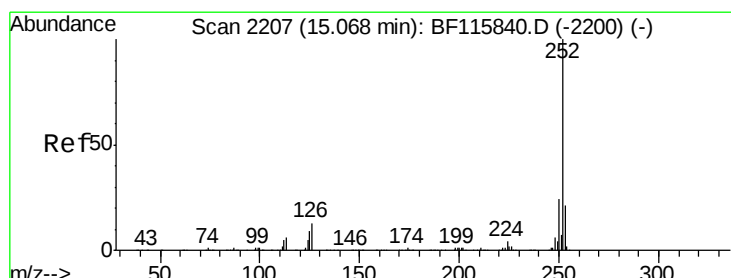
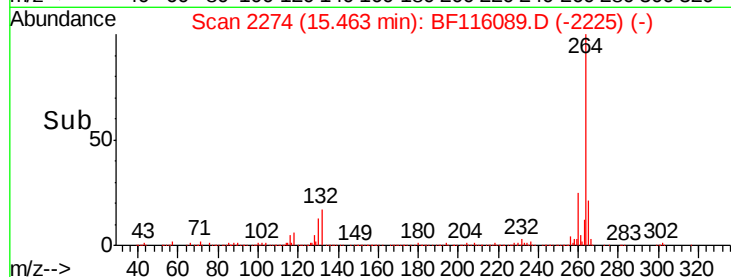
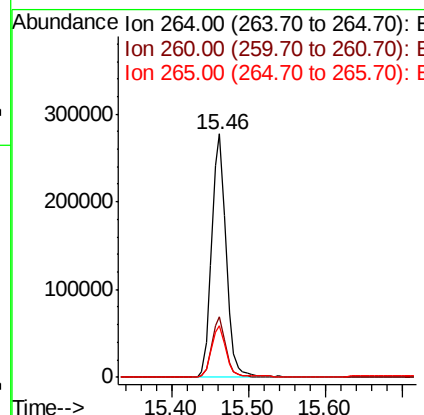
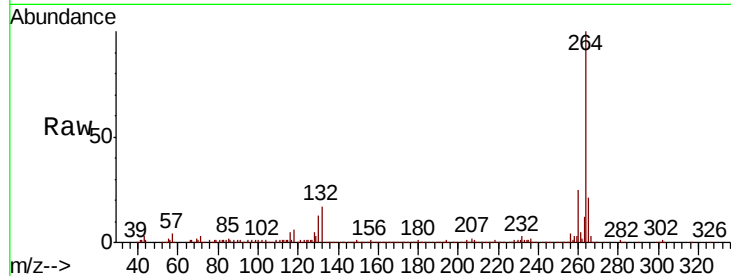
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Instrument :
BNA_F
ClientSampleId :
PS-9

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	21.4	17.4	26.0

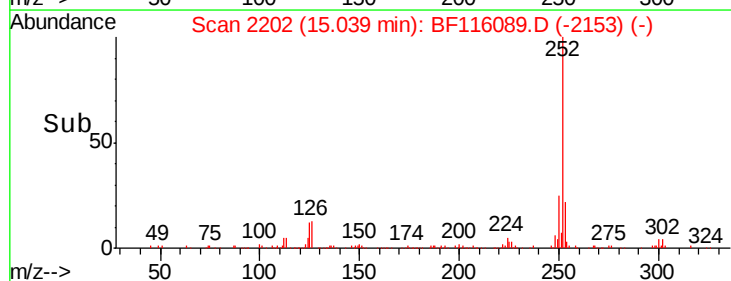
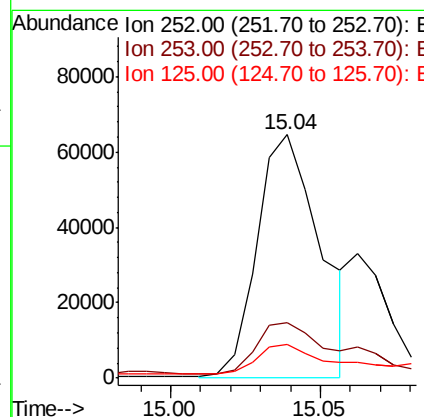
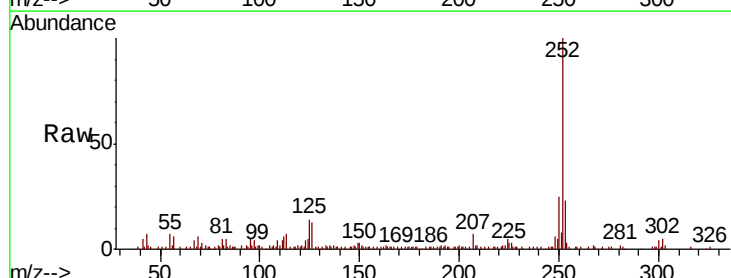
Manual Integrations
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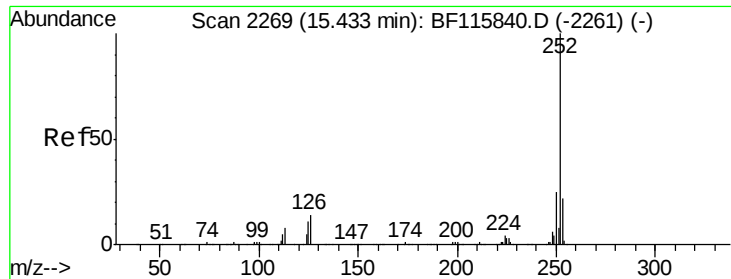
mohammad
8/14/2019 9:21:33 AM



#88
Benzo(b)fluoranthene
Concen: 4.548 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	13.6	8.4	12.6#





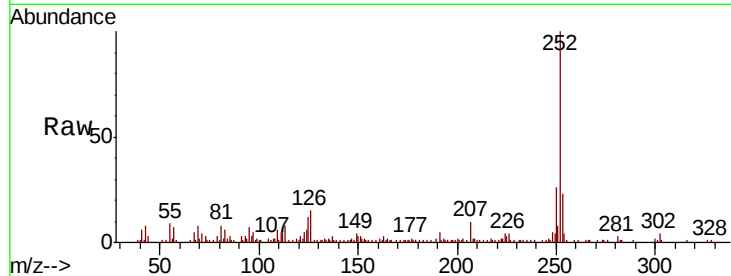
#90
Benzo(a)pyrene
Concen: 3.114 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Instrument :
BNA_F
ClientSampleId :
PS-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.4	8.9	13.3

Manual Integrations
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mohammad
8/14/2019 9:21:33 AM

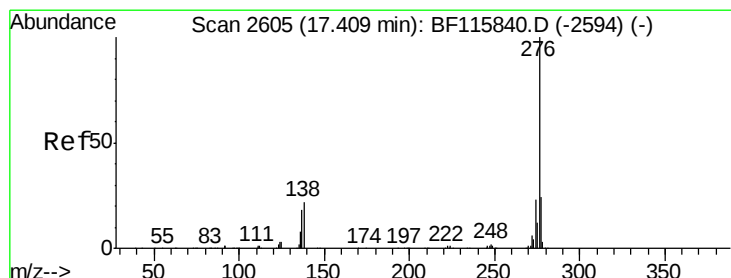
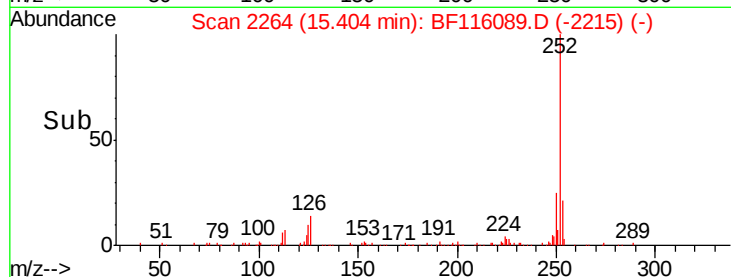
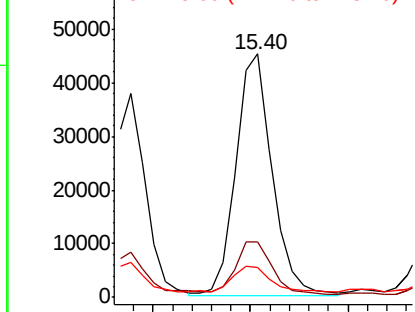


Abundance

Ion 252.00 (251.70 to 252.70): E

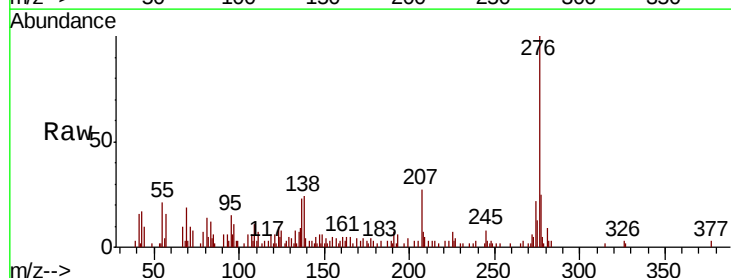
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.383 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BF116089.D
Acq: 9 Aug 2019 1:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.4	27.6
138	24.3	17.0	25.6



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

