

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116376.D
 Acq On : 18 Aug 2019 4:06
 Operator : HP/JU
 Sample : K4384-04DL 20X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4(3-4)DL

Manual Integrations
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Quant Time: Aug 19 17:53:01 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	6.81	152	122644	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	491906	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	243959	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	367971	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	234711	20.00	ng	-0.04
87) Perylene-d12	15.43	264	269672	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	30112	4.11	ng	0.01
7) Phenol-d6	6.49	99	50380	5.45	ng	0.00
23) Nitrobenzene-d5	7.40	82	29670	3.48	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	7719	3.26	ng	-0.03
45) 2-Fluorobiphenyl	9.16	172	62044	4.76	ng	-0.04
79) Terphenyl-d14	12.90	244	49189	4.42	ng	-0.05
Target Compounds						
71) Phenanthrene	11.35	178	105369	5.601	ng	97
75) Fluoranthene	12.54	202	127601	6.479	ng	99
78) Pyrene	12.77	202	118141	6.677	ng	98
81) Benzo(a)anthracene	13.96	228	54474	3.631	ng	97
83) Chrysene	14.00	228	49745	3.415	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	30706	2.510	ng	96
88) Benzo(b)fluoranthene	15.01	252	61899m	3.970	ng	
90) Benzo(a)pyrene	15.37	252	48156	3.455	ng	96
92) Benzo(g,h,i)perylene	17.34	276	29226	2.466	ng	97

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

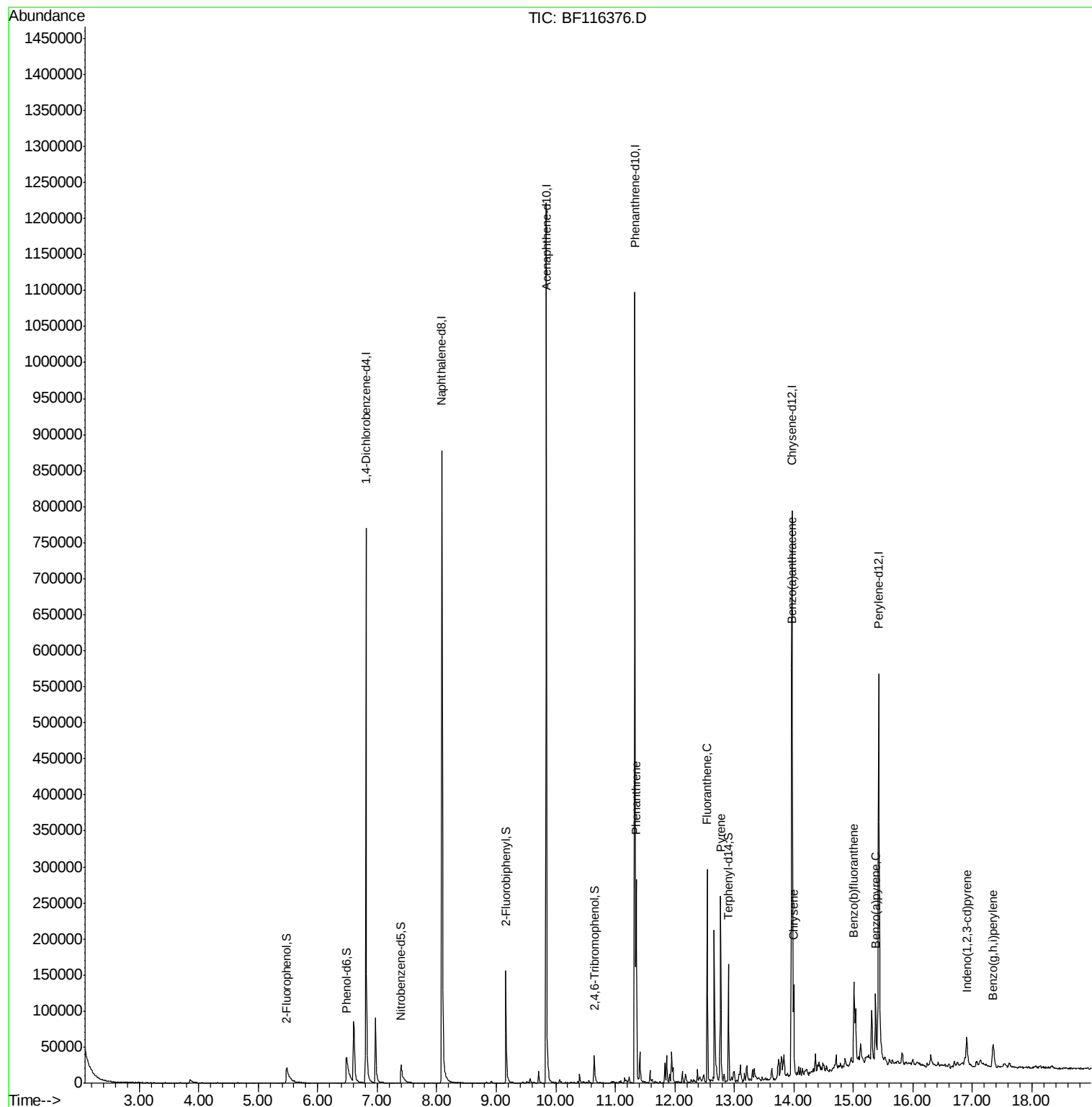
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
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ALS Vial : 28 Sample Multiplier: 1

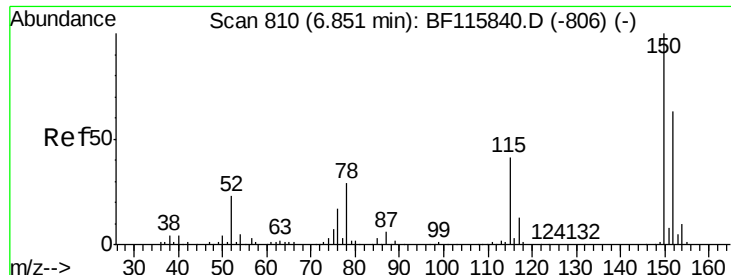
Instrument :
BNA_F
ClientSampled :
B4(3-4)DL

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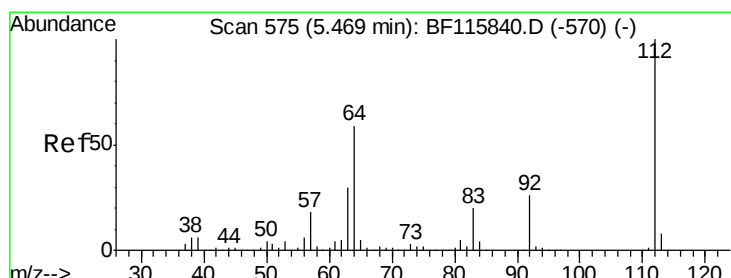
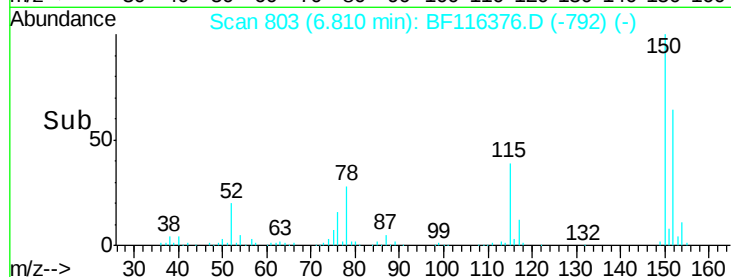
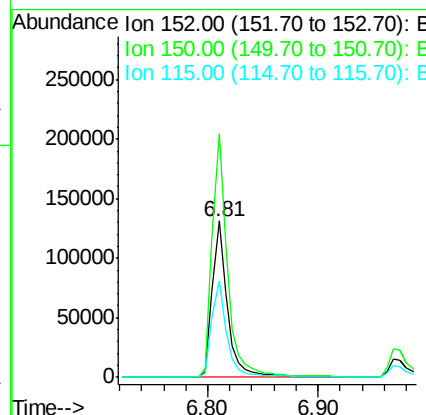
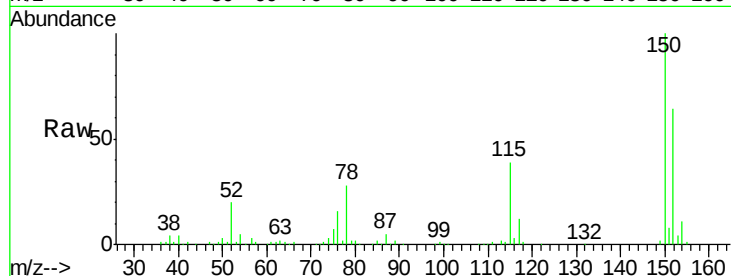
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.04 min
 Lab File: BF116376.D
 Acq: 18 Aug 2019 4:06

Instrument :
 BNA_F
 ClientSampled :
 B4(3-4)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	61.4	49.9	74.9

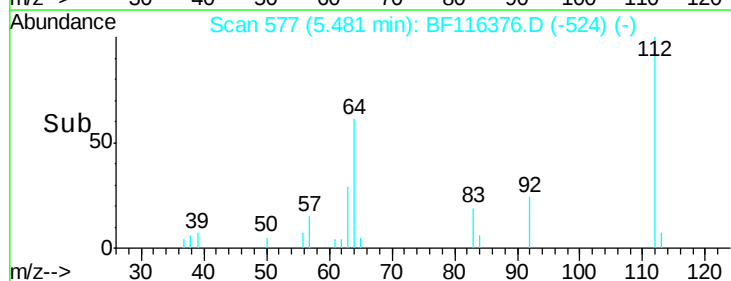
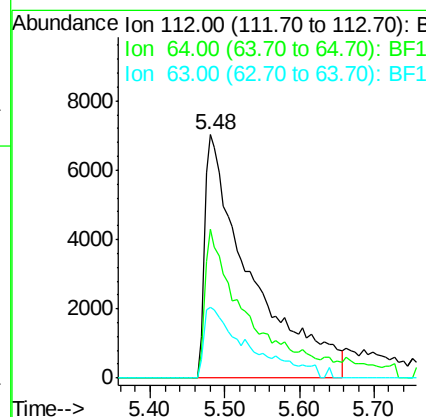
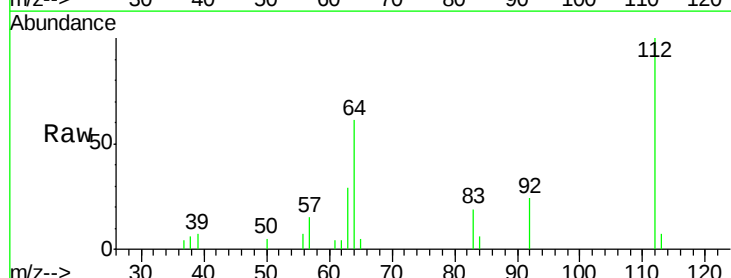
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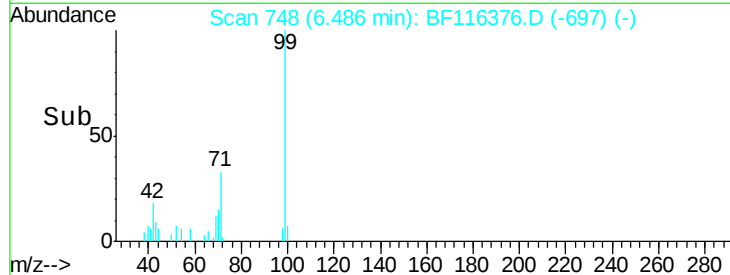
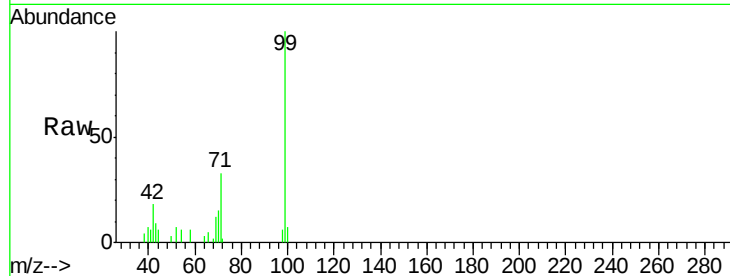
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#5
 2-Fluorophenol
 Concen: 4.110 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF116376.D
 Acq: 18 Aug 2019 4:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	45.4	68.2
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 5.450 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF116376.D

Acq: 18 Aug 2019 4:06

Tot Ion:	99	Resp:	50380
Ion Ratio	Lower	Upper	
99	100		
42	18.4	13.8	20.8
71	32.7	27.3	40.9

Instrument :

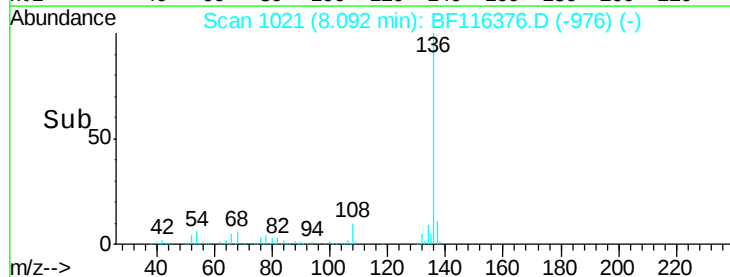
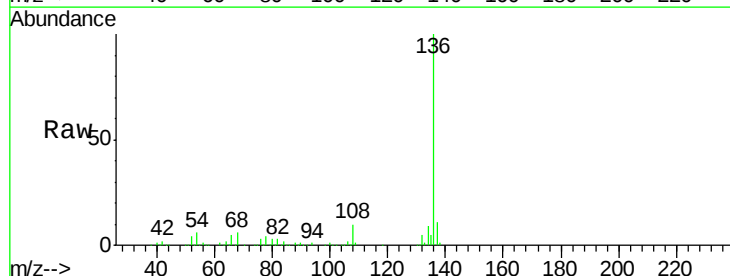
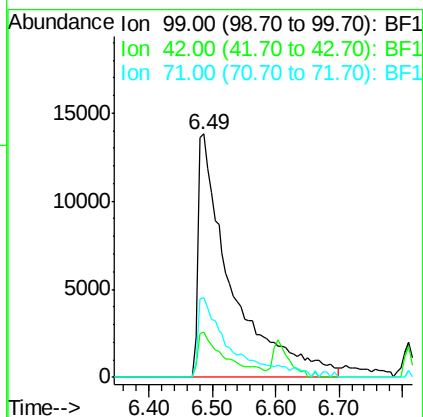
BNA_F

ClientSampleId :

B4(3-4)DL

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#21

Naphthalene-d8

Concen: 20.000 ng

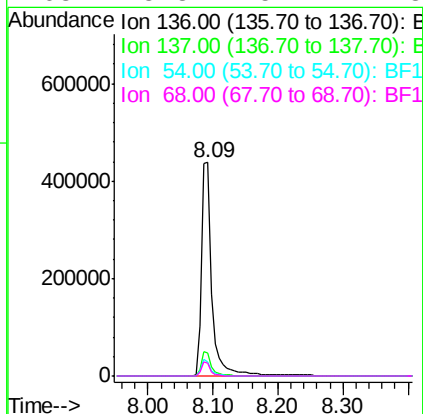
RT: 8.09 min Scan# 1021

Delta R.T. -0.04 min

Lab File: BF116376.D

Acq: 18 Aug 2019 4:06

Tgt Ion:	136	Resp:	491906
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	6.5	5.8	8.6
68	5.8	5.2	7.8





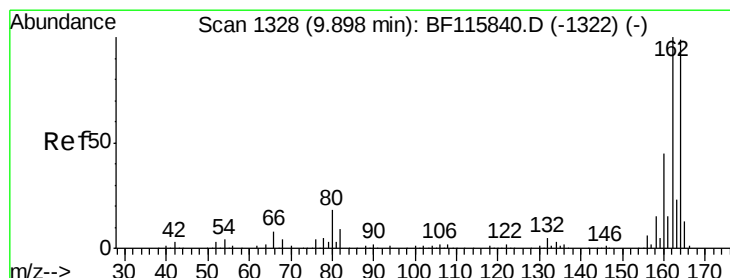
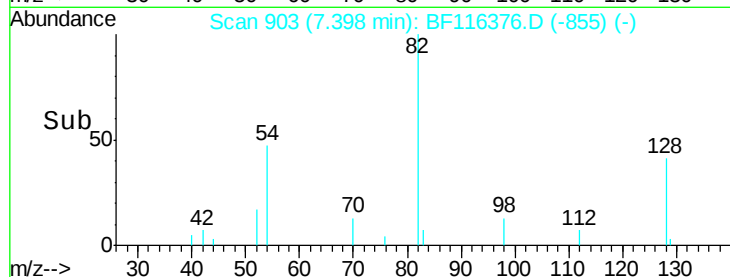
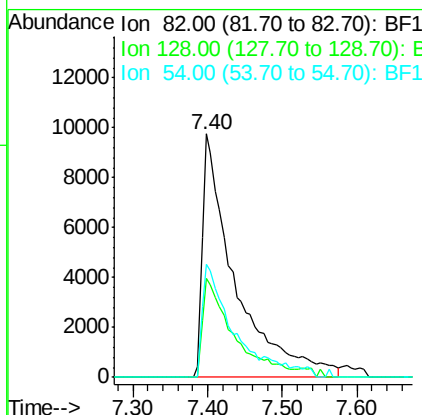
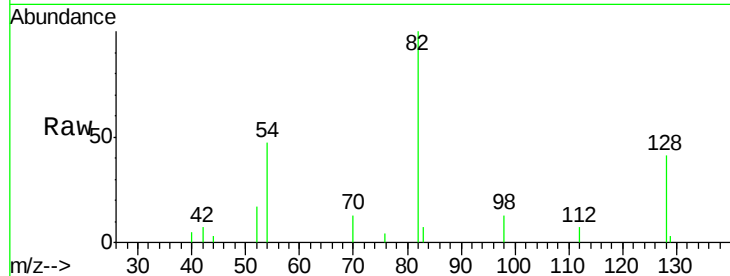
#23
 Nitrobenzene-d5
 Concen: 3.482 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116376.D
 Acq: 18 Aug 2019 4:06

Instrument :
 BNA_F
 ClientSampleId :
 B4(3-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	29670		
128	40.5		36.5	54.7
54	46.5		36.0	54.0

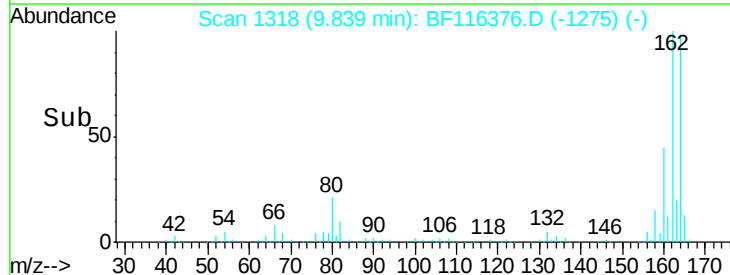
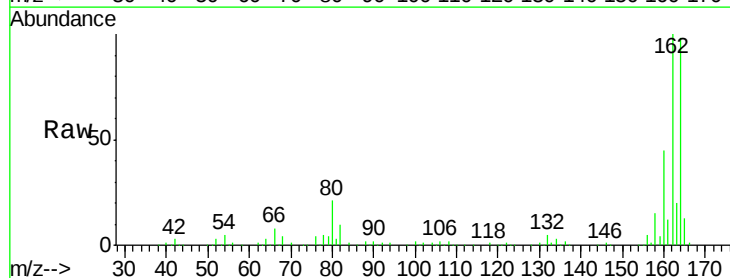
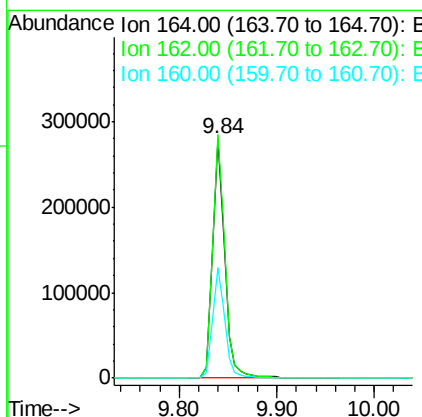
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.05 min
 Lab File: BF116376.D
 Acq: 18 Aug 2019 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	243959		
162	101.8		82.6	124.0
160	46.0		37.6	56.4





#42

2,4,6-Tribromophenol

Concen: 3.264 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.03 min

Lab File: BF116376.D

Acq: 18 Aug 2019 4:06

Instrument :

BNA_F

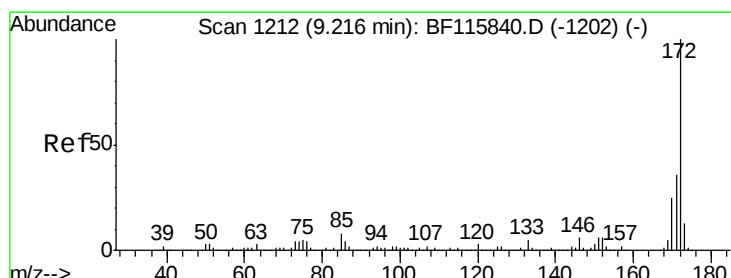
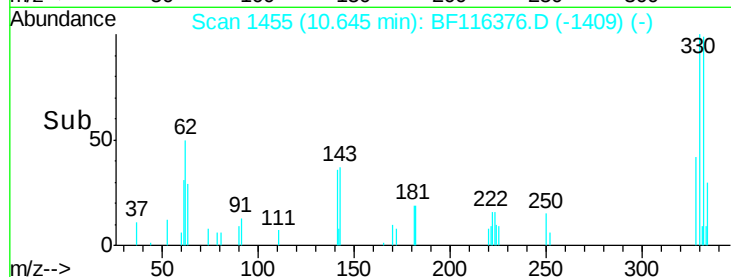
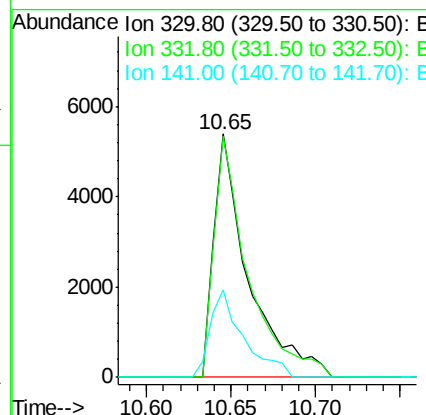
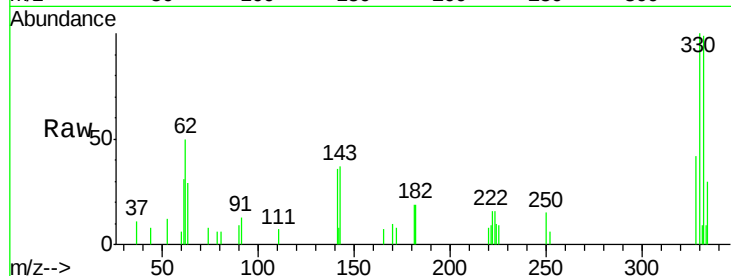
ClientSampleId :

B4(3-4)DL

Tot Ion:	330	Resp:	7719
Ion Ratio	Lower	Upper	
330	100		
332	98.3	76.8	115.2
141	34.7	26.3	39.5

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#45

2-Fluorobiphenyl

Concen: 4.764 ng

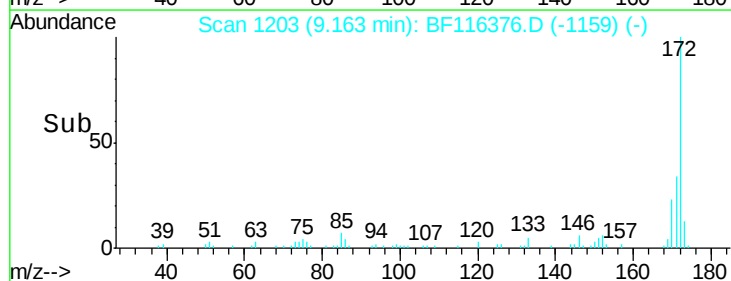
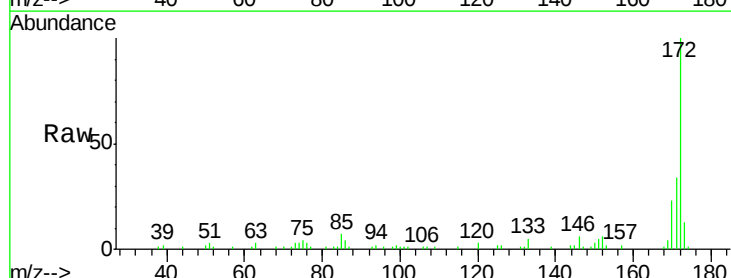
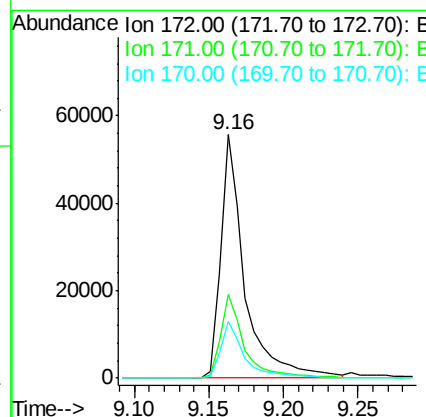
RT: 9.16 min Scan# 1203

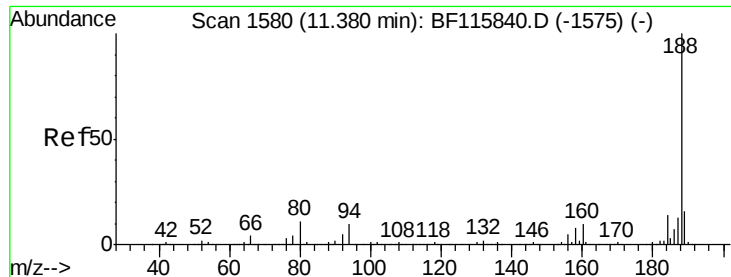
Delta R.T. -0.04 min

Lab File: BF116376.D

Acq: 18 Aug 2019 4:06

Tgt Ion:	172	Resp:	62044
Ion Ratio	Lower	Upper	
172	100		
171	34.5	29.6	44.4
170	23.3	20.1	30.1





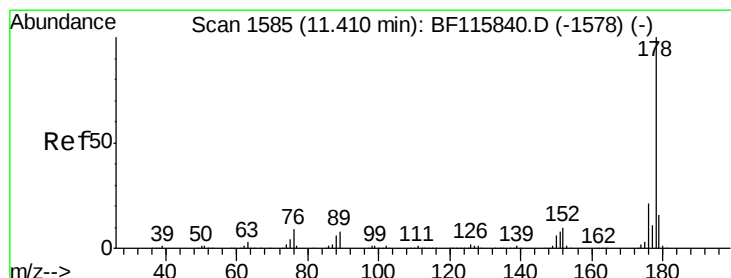
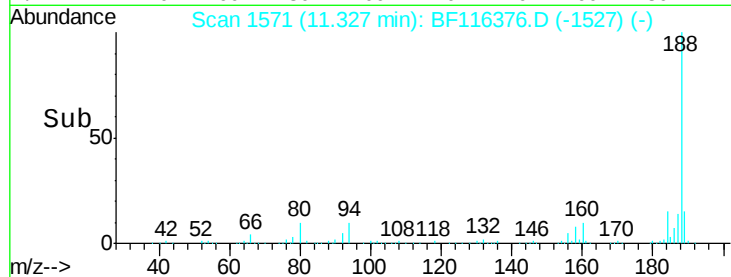
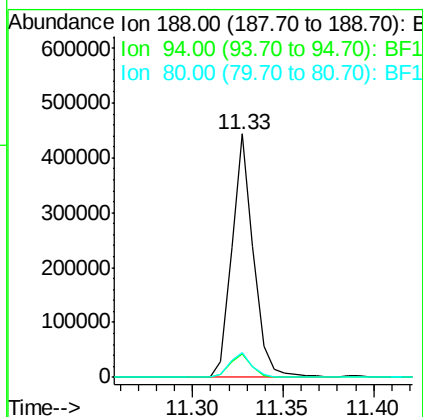
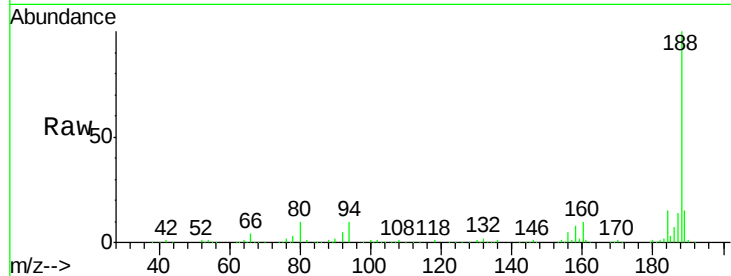
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.04 min
 Lab File: BF116376.D
 Acq: 18 Aug 2019 4:06

Instrument :
 BNA_F
 ClientSampleId :
 B4(3-4)DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.6	8.1	12.1
80	10.4	8.7	13.1

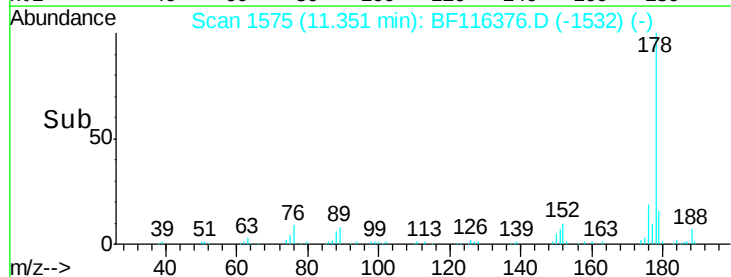
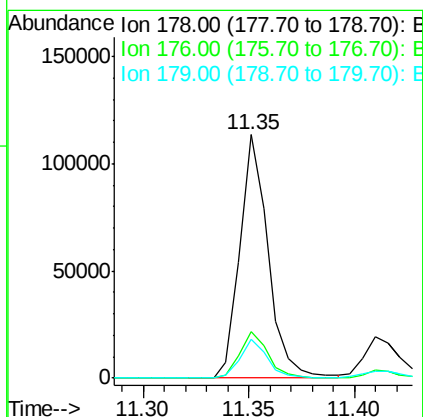
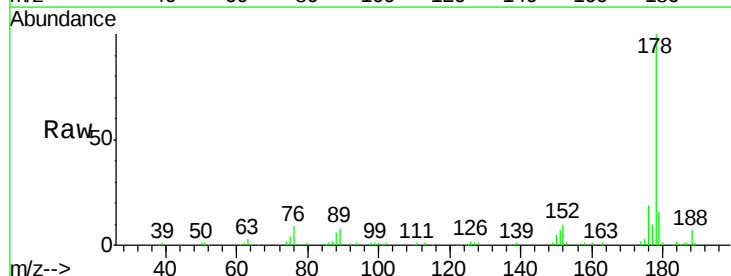
Manual Integrations
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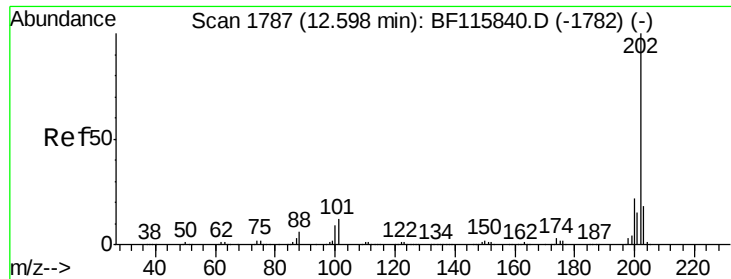
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#71
 Phenanthrene
 Concen: 5.601 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.05 min
 Lab File: BF116376.D
 Acq: 18 Aug 2019 4:06

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	16.6	24.8
179	16.2	12.5	18.7





#75

Fluoranthene

Concen: 6.479 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.04 min

Lab File: BF116376.D

Acq: 18 Aug 2019 4:06

Instrument :

BNA_F

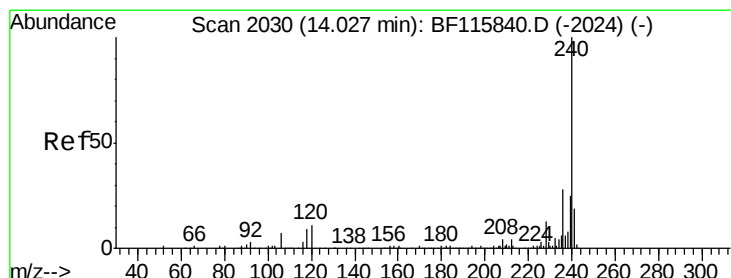
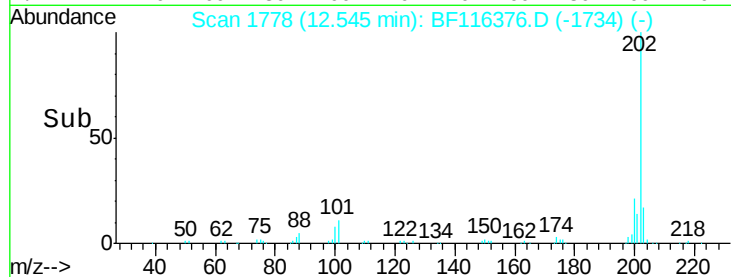
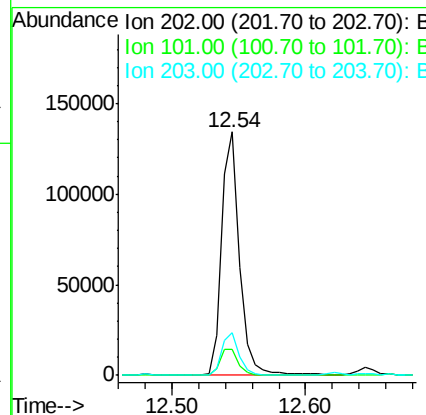
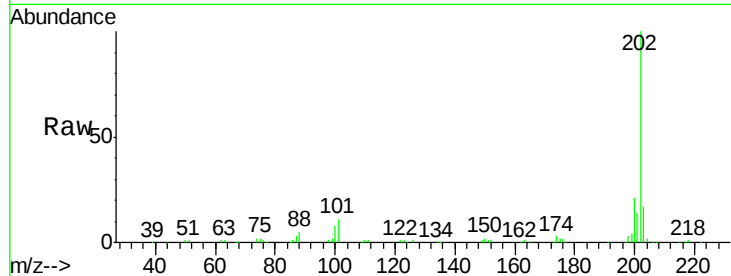
ClientSampled :

B4(3-4)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.9	0.0	31.2
203	17.3	0.0	37.8

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

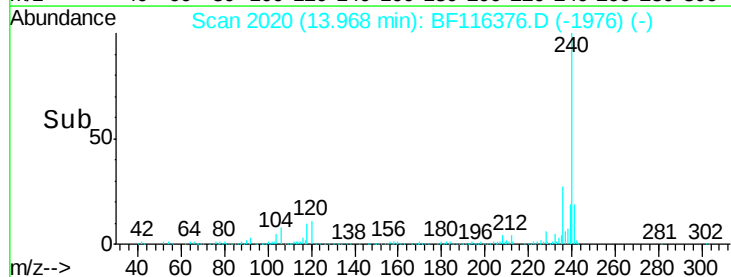
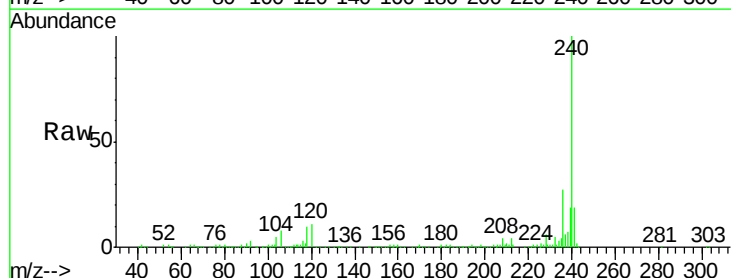
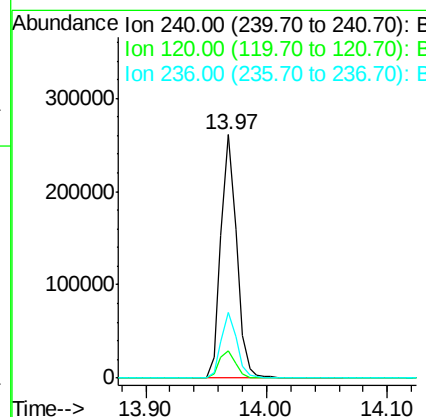
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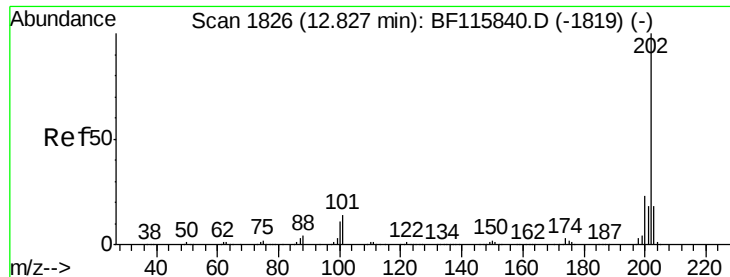
Delta R.T. -0.04 min

Lab File: BF116376.D

Acq: 18 Aug 2019 4:06

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.3	10.7	16.1
236	27.0	22.2	33.2





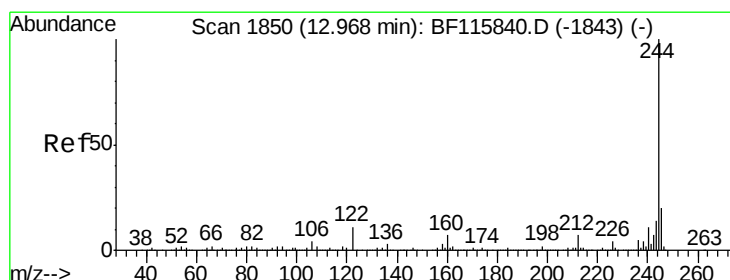
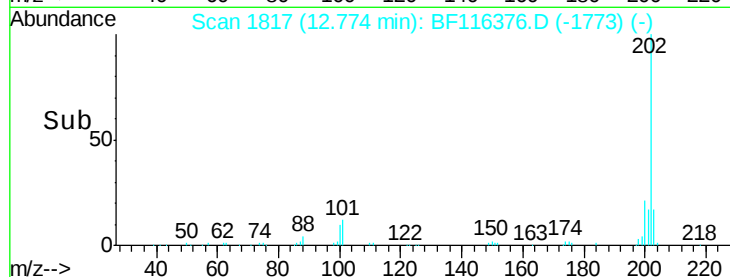
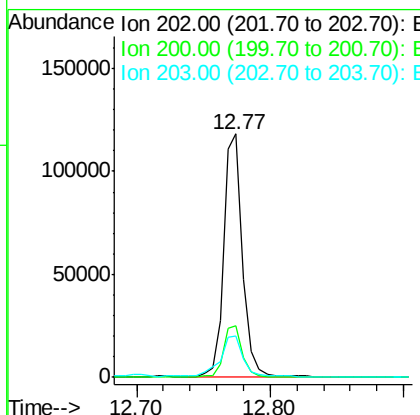
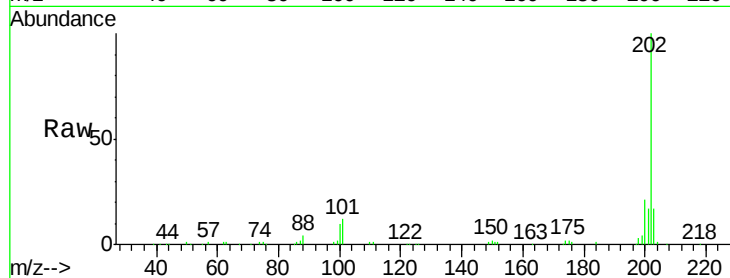
#78
Pvrene
Concen: 6.677 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.04 min
Lab File: BF116376.D
Acq: 18 Aug 2019 4:06

Instrument :
BNA_F
ClientSampleId :
B4(3-4)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	18.0	27.0
203	17.1	14.1	21.1

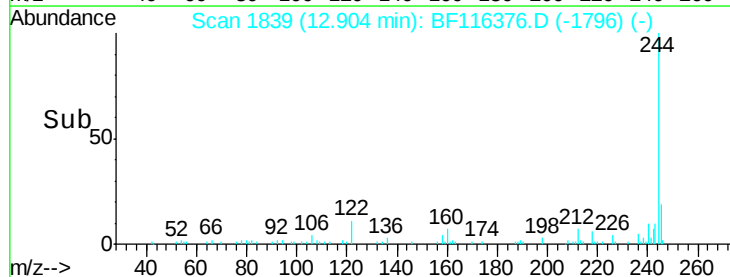
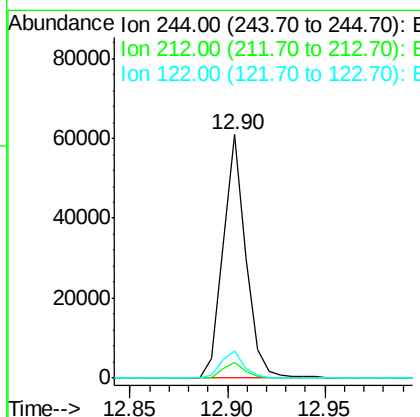
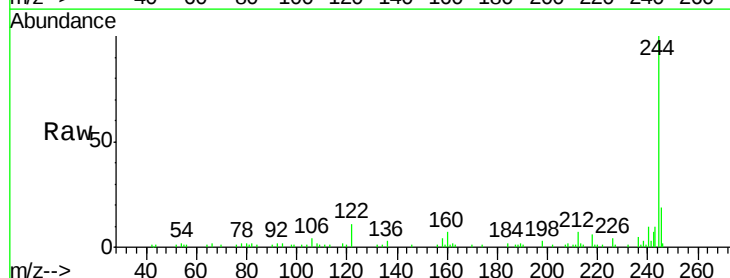
Manual Integrations
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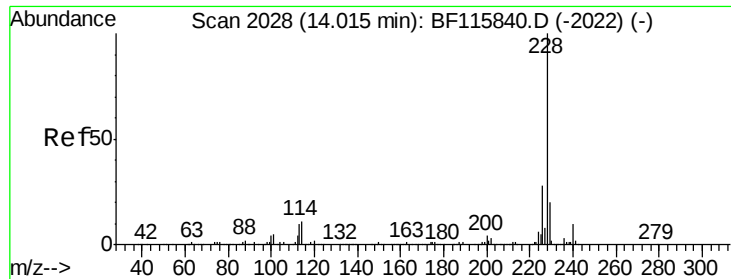
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#79
Terphenyl-d14
Concen: 4.416 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.05 min
Lab File: BF116376.D
Acq: 18 Aug 2019 4:06

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.2	9.0	13.4





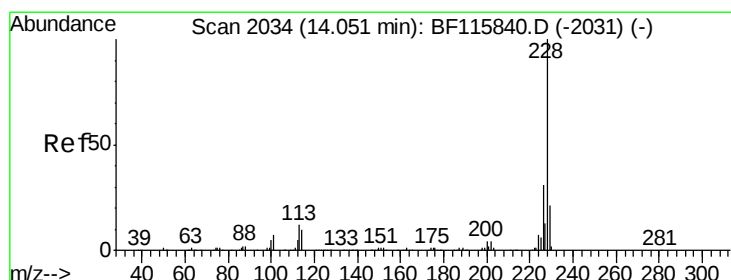
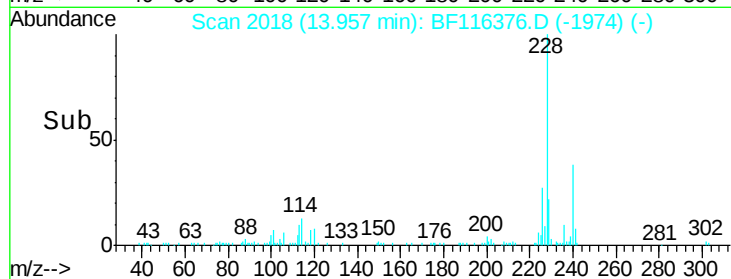
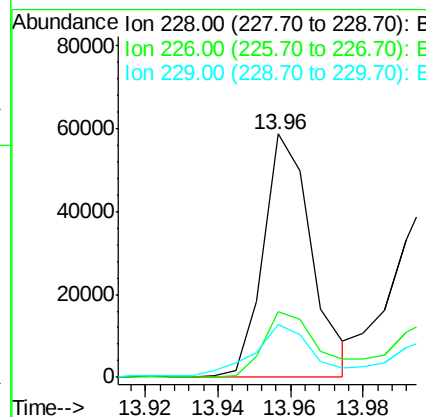
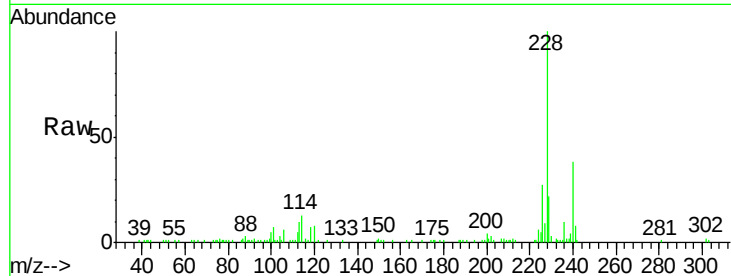
#81
Benzo(a)anthracene
Concen: 3.631 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.04 min
Lab File: BF116376.D
Acq: 18 Aug 2019 4:06

Instrument :
BNA_F
ClientSampleId :
B4(3-4)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.7	34.1
229	21.8	16.2	24.4

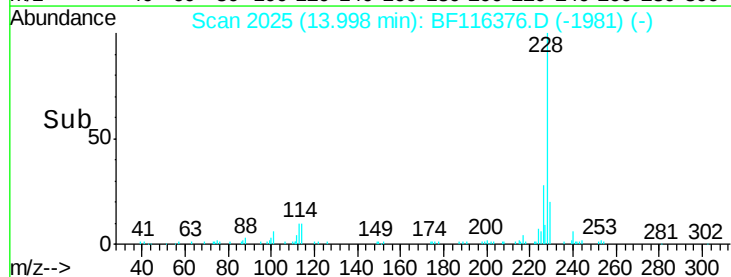
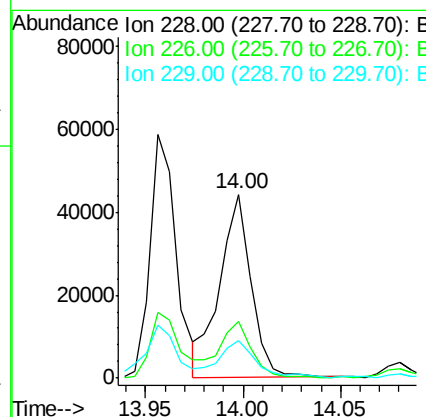
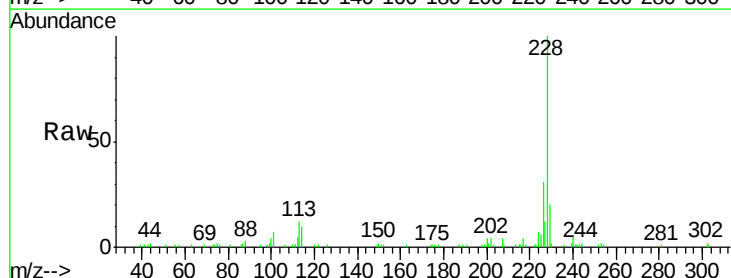
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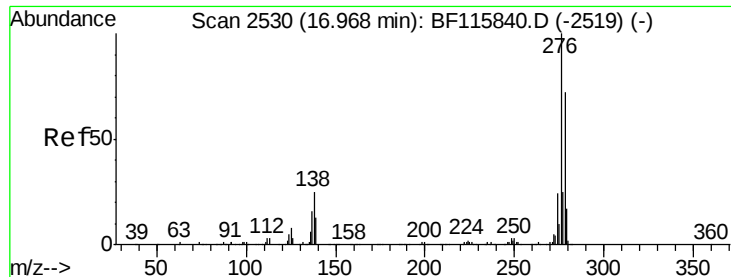
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#83
Chrysene
Concen: 3.415 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.04 min
Lab File: BF116376.D
Acq: 18 Aug 2019 4:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.5	38.3
229	20.1	16.6	24.8





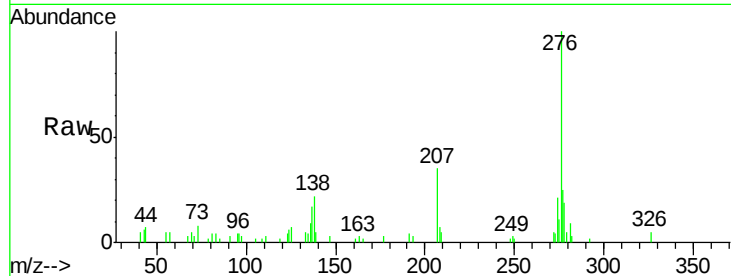
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.510 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.05 min
Lab File: BF116376.D
Acq: 18 Aug 2019 4:06

Instrument :
BNA_F
ClientSampleId :
B4(3-4)DL

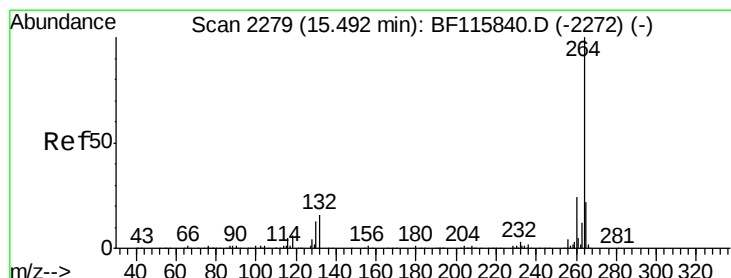
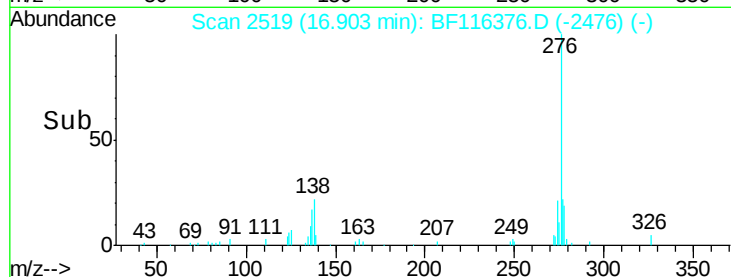
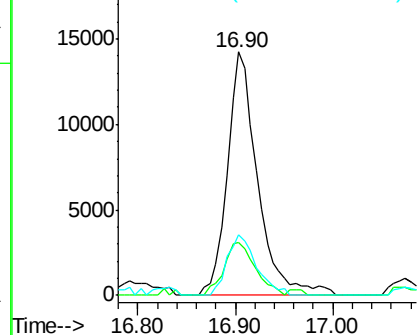
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.4	30.6
277	24.0	20.0	30.0

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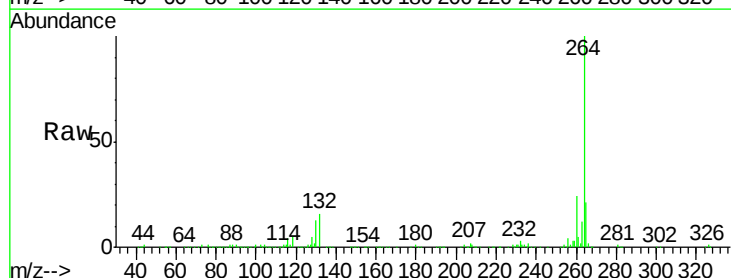


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

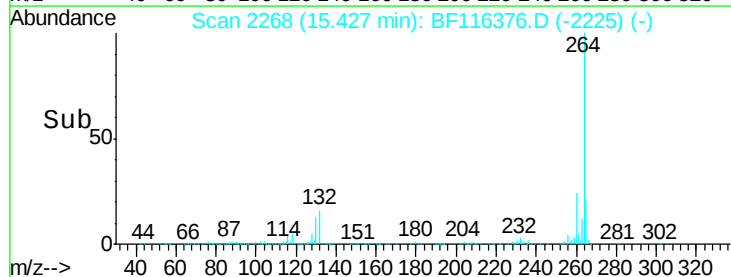
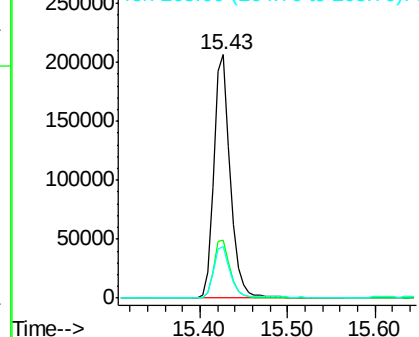


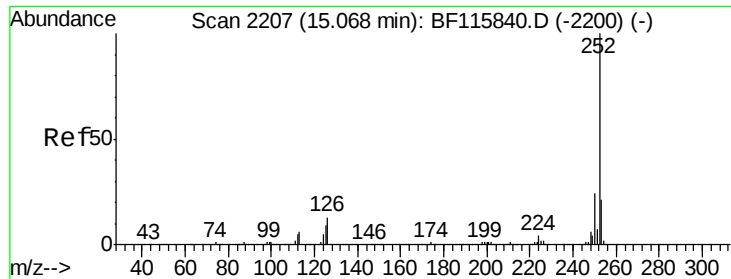
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.05 min
Lab File: BF116376.D
Acq: 18 Aug 2019 4:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.7	29.5
265	21.1	17.4	26.0



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





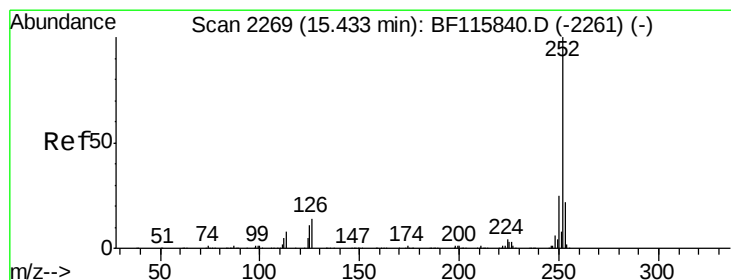
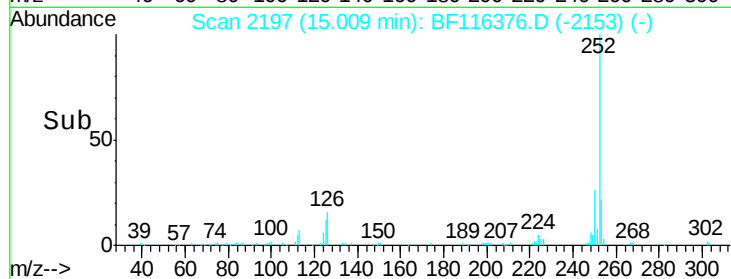
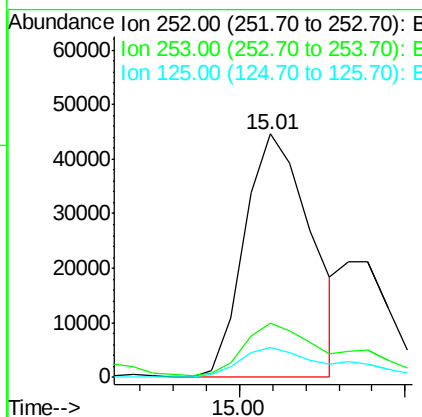
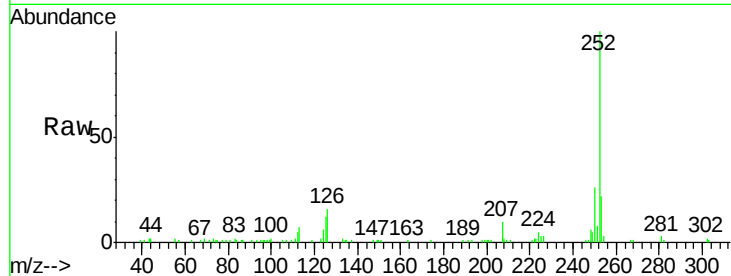
#88
Benzo(b)fluoranthene
Concen: 3.970 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF116376.D
Acq: 18 Aug 2019 4:06

Instrument :
BNA_F
ClientSampled :
B4(3-4)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	12.2	8.4	12.6

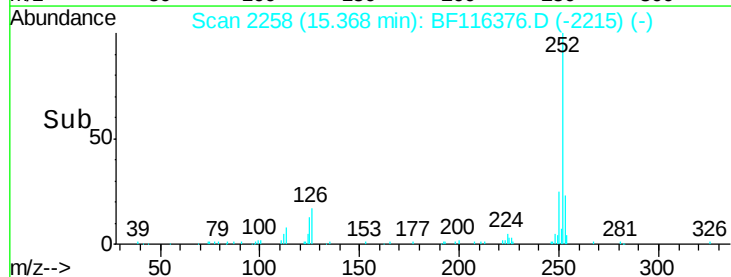
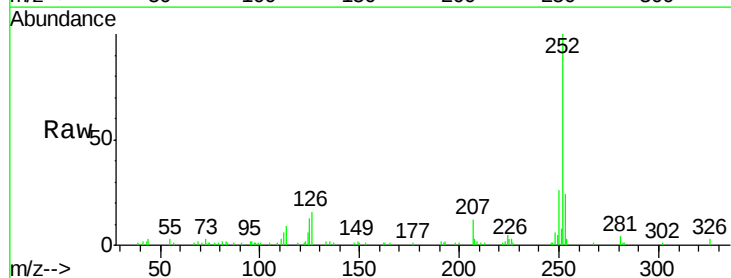
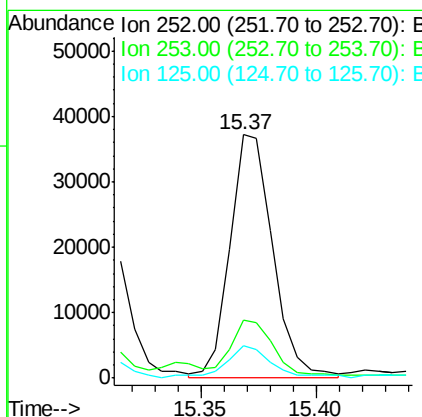
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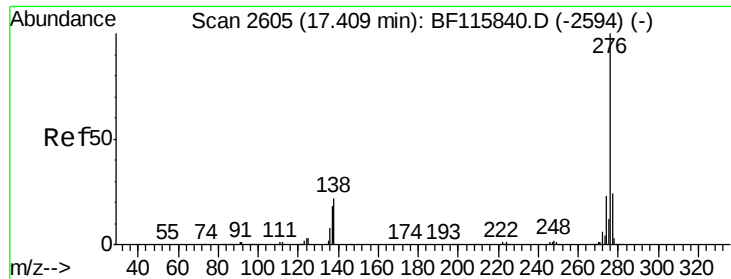
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#90
Benzo(a)pyrene
Concen: 3.455 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.05 min
Lab File: BF116376.D
Acq: 18 Aug 2019 4:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	13.1	8.9	13.3





#92
 Benzo(a,h,i)perylene
 Concen: 2.466 ng
 RT: 17.34 min Scan# 2594
 Delta R.T. -0.04 min
 Lab File: BF116376.D
 Acq: 18 Aug 2019 4:06

Instrument :
 BNA_F
 ClientSampleId :
 B4(3-4)DL

Tot Ion:	276	Resp:	29226
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.4	27.6
138	19.9	17.0	25.6

Manual Integrations
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