

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
 Data File : BN007285.D
 Acq On : 21 Aug 2019 09:39
 Operator : HP/JU
 Sample : K4409-10DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S301-J-1.5-2.0-081919DL

Manual Integrations
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mohammad
 8/26/2019 12:12:53 PM

Quant Time: Aug 21 12:30:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 20 18:52:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	4868	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	17911	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	9953	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	22950	0.40	ng	-0.01
27) Chrysene-d12	21.03	240	23853	0.40	ng	0.00
34) Perylene-d12	23.13	264	25465	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	743	0.05	ng	0.00
5) Phenol-d6	6.60	99	965	0.04	ng	0.00
8) Nitrobenzene-d5	8.54	82	727	0.05	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	1591	0.05	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	250	0.04	ng	0.00
15) 2-Fluorobiphenyl	12.67	172	2168	0.05	ng	0.00
25) Fluoranthene-d10	18.85	212	3340	0.05	ng	0.00
29) Terphenyl-d14	19.47	244	2717	0.05	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.22	128	2941	0.058	ng	# 90
12) 2-Methylnaphthalene	11.84	142	829	0.024	ng	# 90
16) Acenaphthylene	13.77	152	4683	0.089	ng	98
17) Acenaphthene	14.12	154	2356	0.070	ng	97
18) Fluorene	15.11	166	2054	0.047	ng	97
23) Phenanthrene	16.84	178	45108	0.627	ng	99
24) Anthracene	16.94	178	18349	0.283	ng	98
26) Fluoranthene	18.88	202	237399	2.725	ng	100
28) Pyrene	19.24	202	211625	2.373	ng	# 95
30) Benzo(a)anthracene	21.01	228	163185	1.840	ng	96
31) Chrysene	21.06	228	125874	1.391	ng	98
32) Bis(2-ethylhexyl)phthalate	20.99	149	3969	0.112	ng	98
33) Indeno(1,2,3-cd)pyrene	25.20	276	89465	0.821	ng	97
35) Benzo(b)fluoranthene	22.52	252	193228	2.035	ng	99
36) Benzo(k)fluoranthene	22.56	252	69215m	0.744	ng	
37) Benzo(a)pyrene	23.05	252	137745	1.610	ng	98
38) Dibenzo(a,h)anthracene	25.21	278	22529	0.251	ng	94
39) Benzo(a,h,i)perylene	25.83	276	86846	0.956	ng	100

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

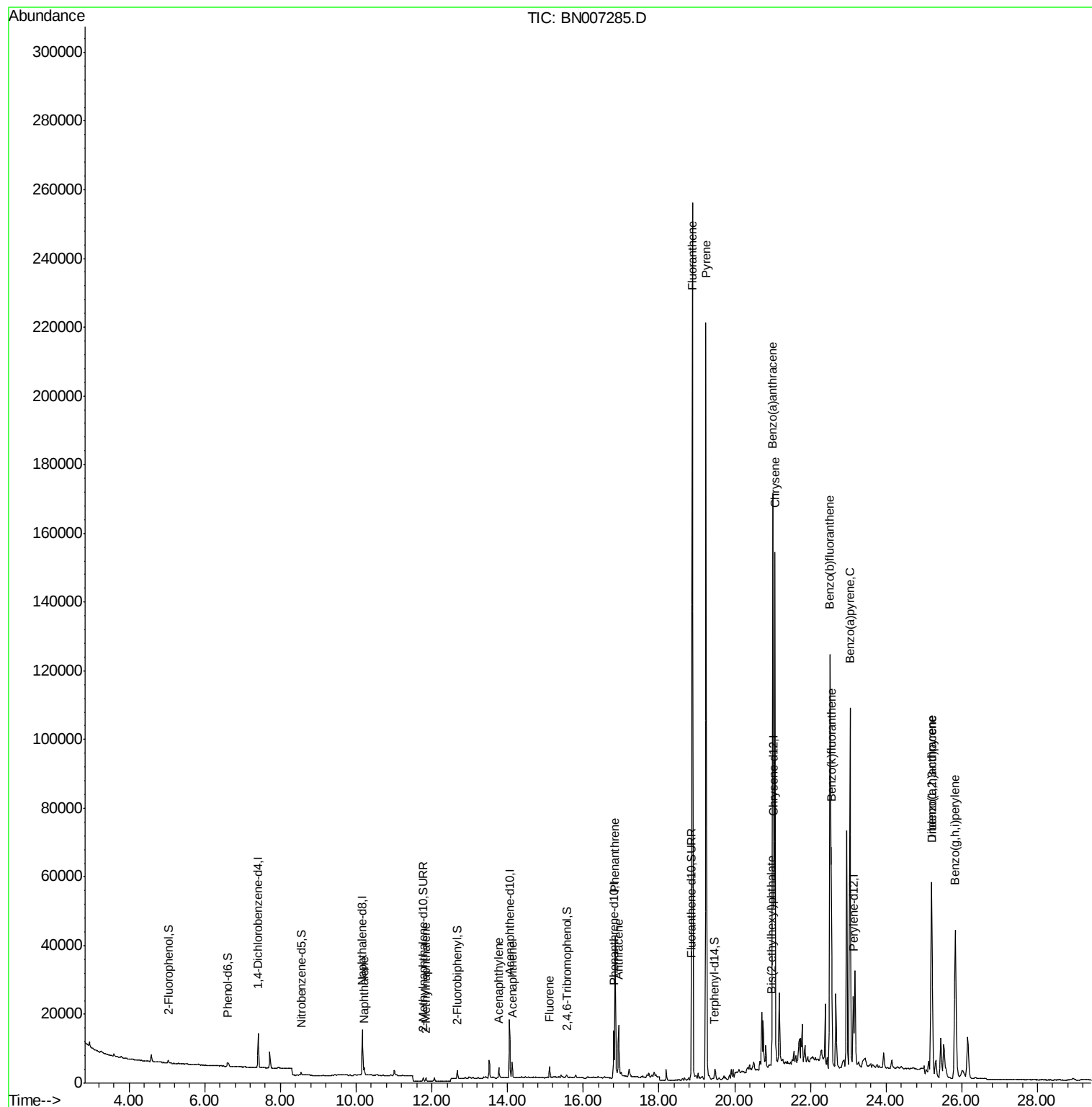
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
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#1

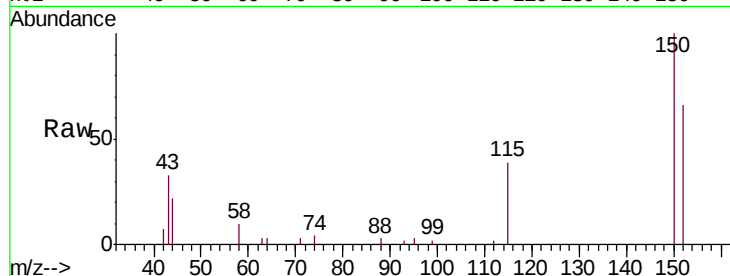
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	123.8	185.8
115	58.5	47.3	70.9

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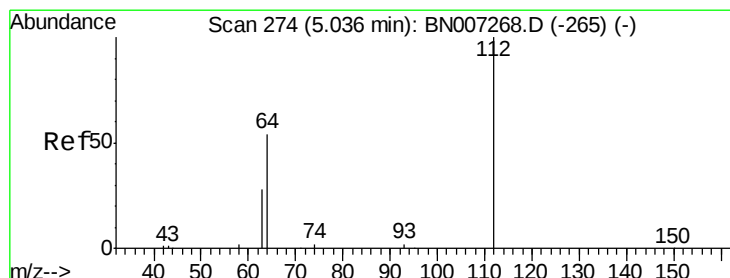
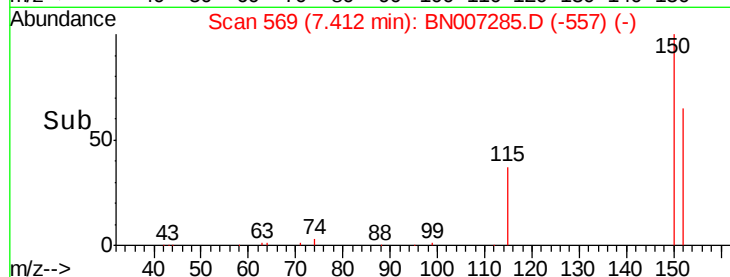
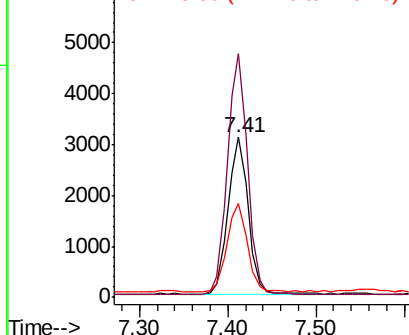


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

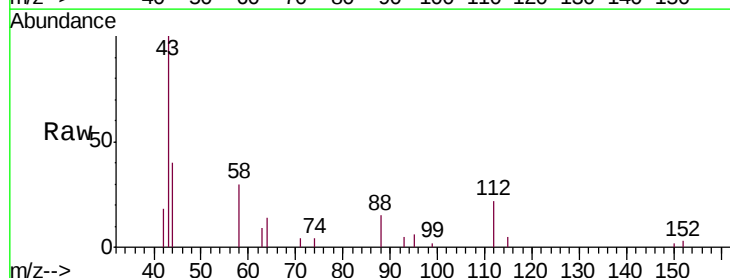
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.050 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	41.8	62.8
63	28.9	22.6	34.0

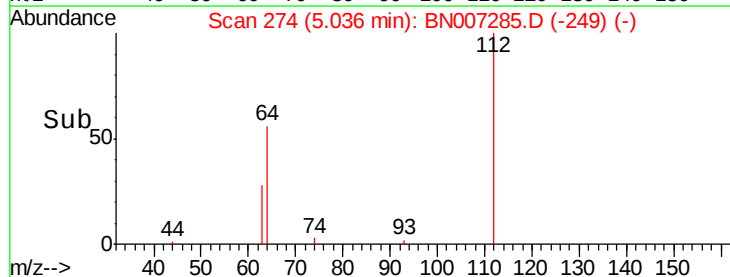
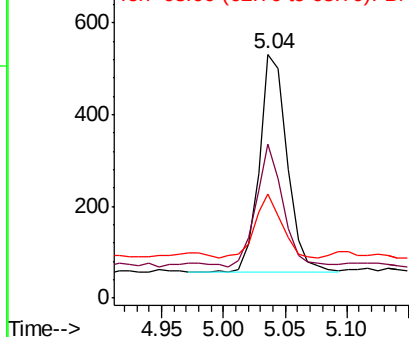


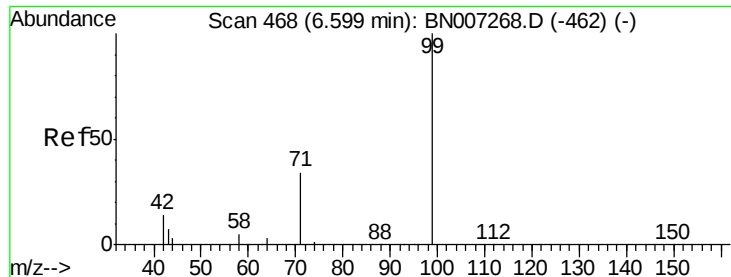
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.044 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.00 min

Lab File: BN007285.D

Acq: 21 Aug 2019 09:39

Instrument :

BNA_N

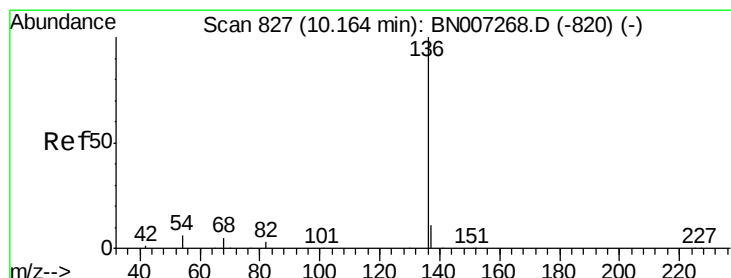
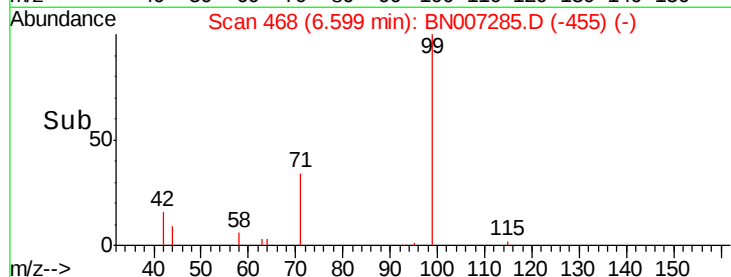
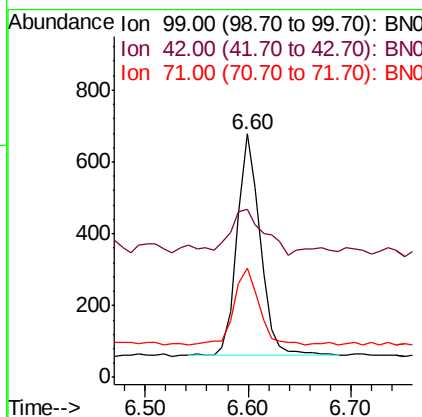
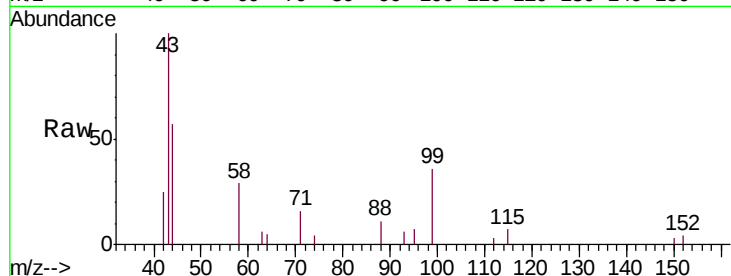
ClientSampleId :

S301-J-1.5-2.0-081919DL

Tot Ion:	99	Resp:	965
Ion	Ratio	Lower	Upper
99	100		
42	28.8	14.3	21.5#
71	36.9	27.3	40.9

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#7

Naphthalene-d8

Concen: 0.400 ng

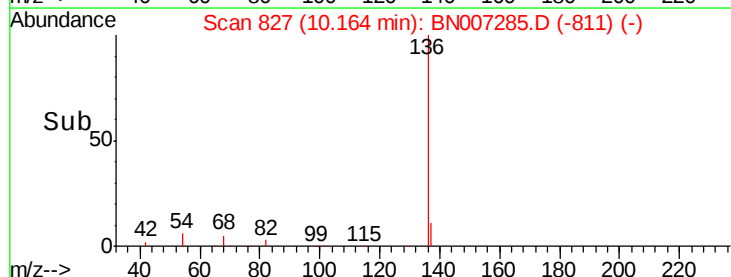
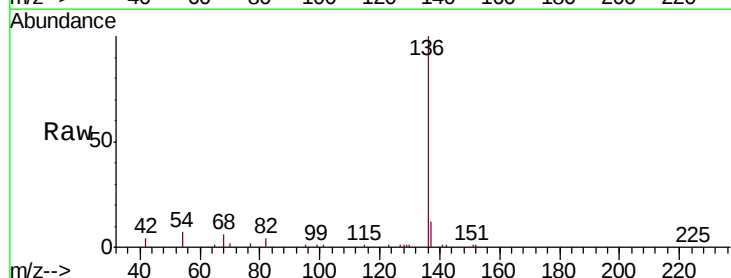
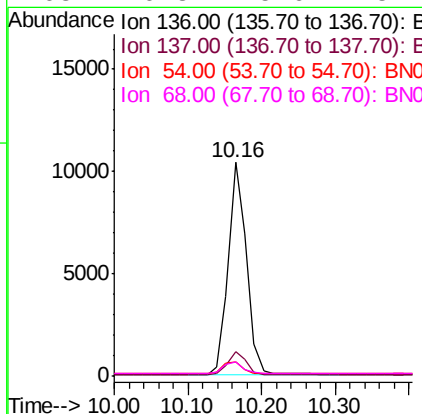
RT: 10.16 min Scan# 827

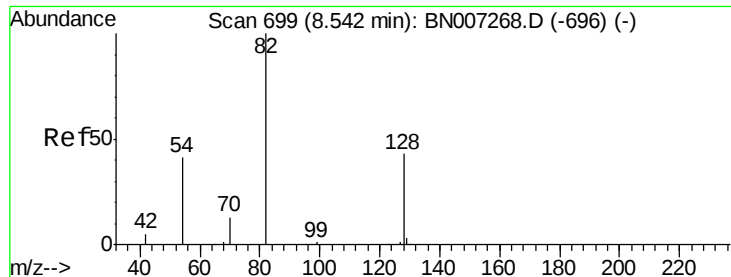
Delta R.T. 0.00 min

Lab File: BN007285.D

Acq: 21 Aug 2019 09:39

Tgt Ion:	136	Resp:	17911
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	6.8	5.9	8.9
68	6.3	5.6	8.4





#8

Nitrobenzene-d5

Concen: 0.053 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.00 min

Lab File: BN007285.D

Acq: 21 Aug 2019 09:39

Instrument :

BNA_N

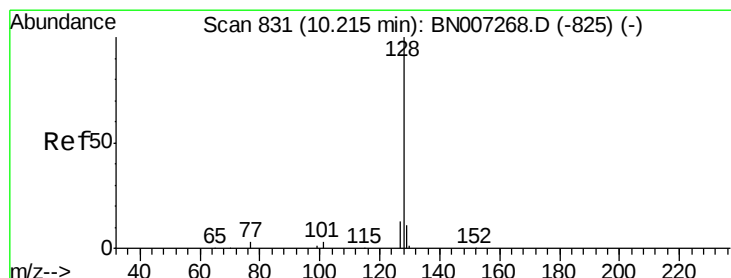
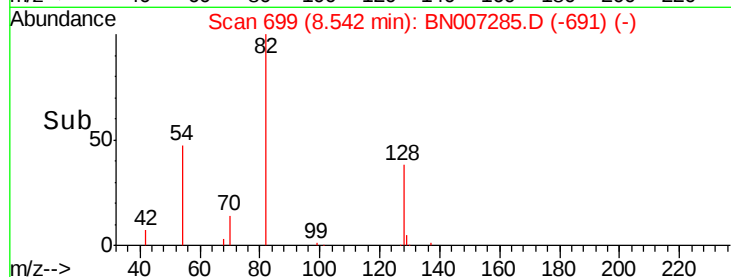
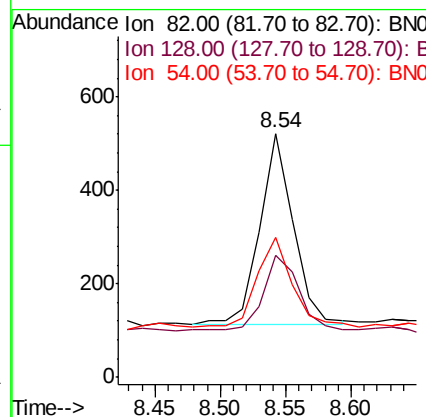
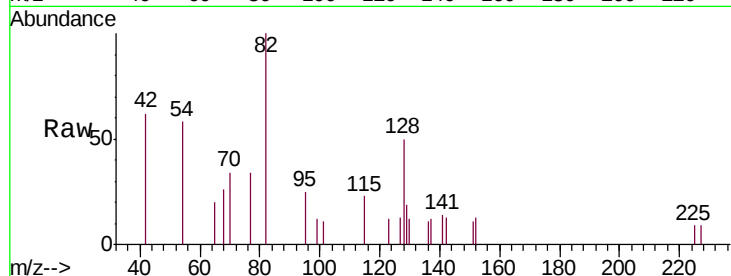
ClientSampleId :

S301-J-1.5-2.0-081919DL

Tot Ion:	82	Resp:	727
Ion	Ratio	Lower	Upper
82	100		
128	50.3	35.8	53.6
54	57.6	34.7	52.1#

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#9

Naphthalene

Concen: 0.058 ng

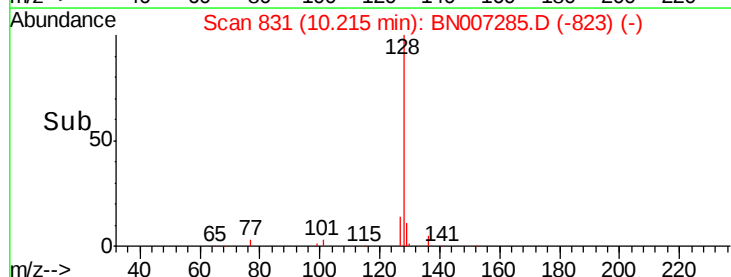
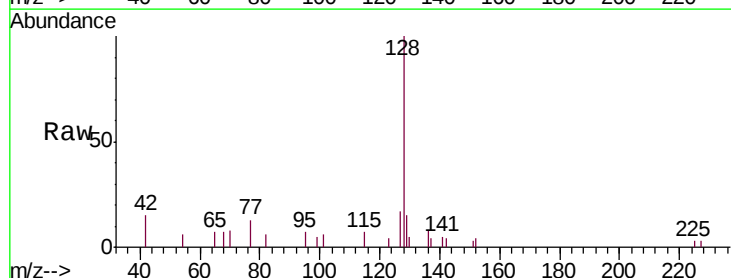
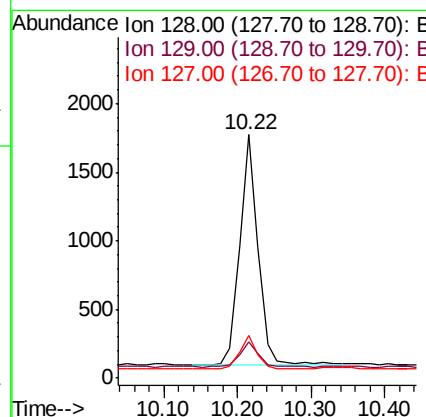
RT: 10.22 min Scan# 831

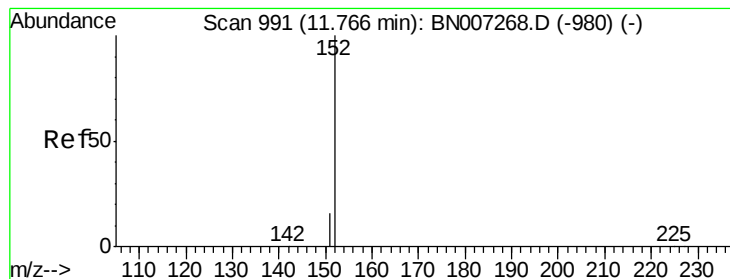
Delta R.T. 0.00 min

Lab File: BN007285.D

Acq: 21 Aug 2019 09:39

Tgt Ion:	128	Resp:	2941
Ion	Ratio	Lower	Upper
128	100		
129	15.1	9.1	13.7#
127	17.3	10.6	16.0#





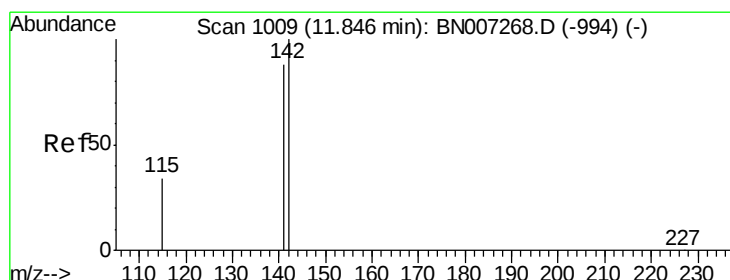
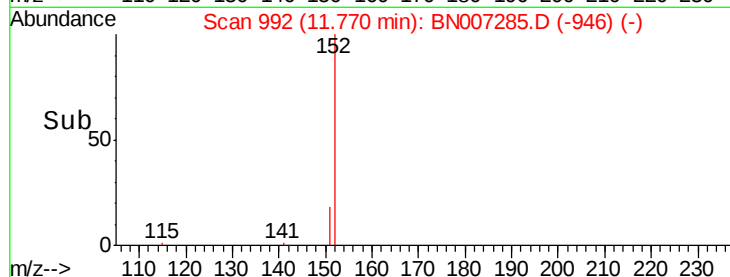
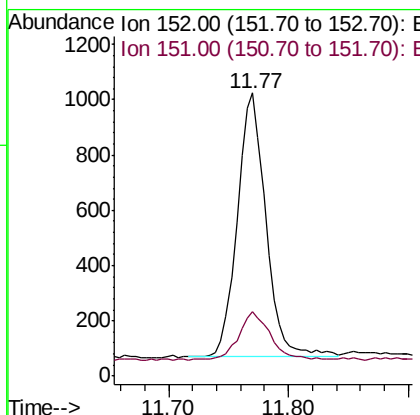
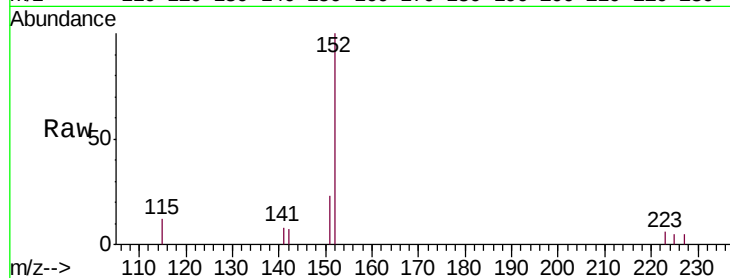
#11
2-Methylnaphthalene-d10
Concen: 0.051 ng
RT: 11.77 min Scan# 992
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.2	22.8

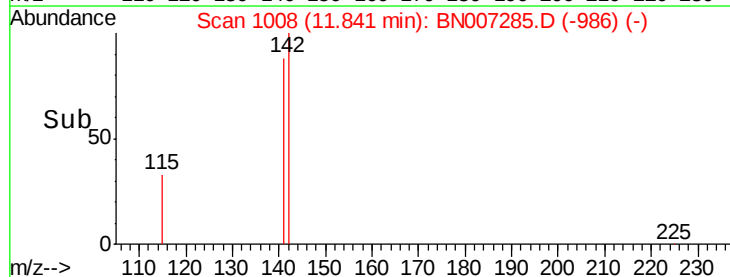
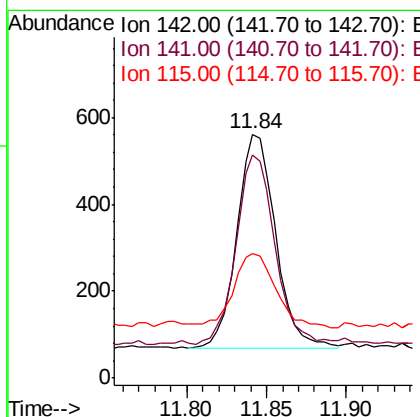
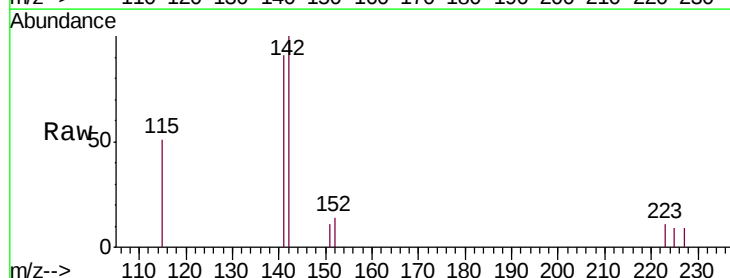
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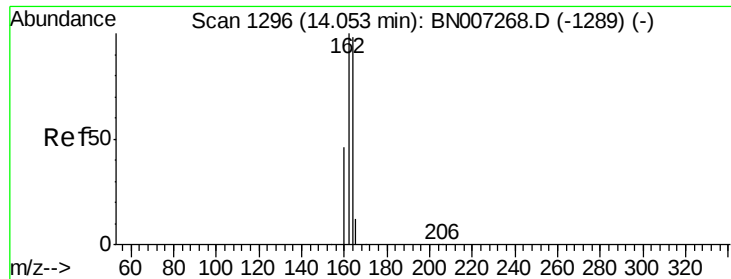
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#12
2-Methylnaphthalene
Concen: 0.024 ng
RT: 11.84 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	70.7	106.1
115	51.0	28.1	42.1#





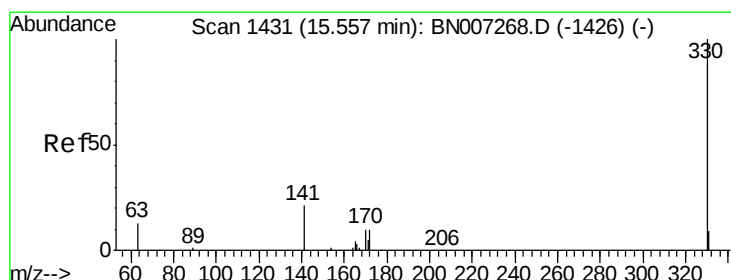
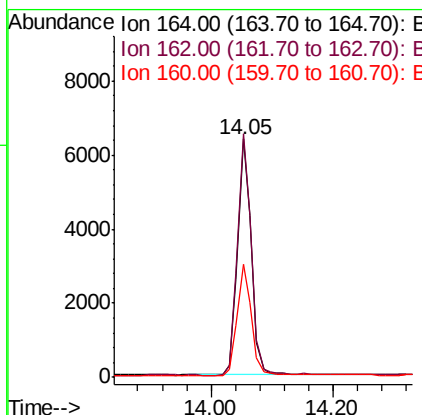
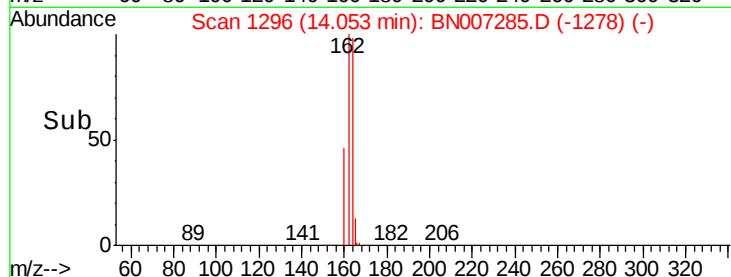
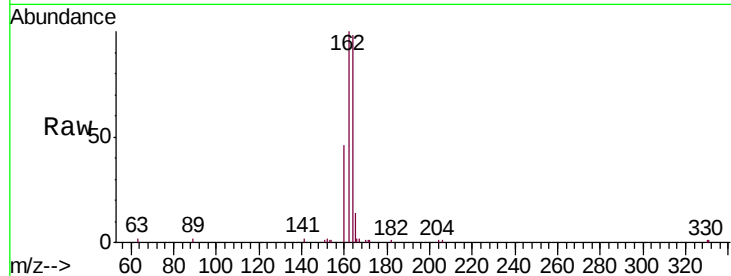
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.0	123.0
160	47.4	38.2	57.4

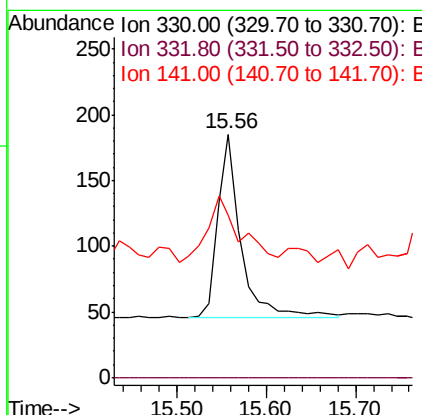
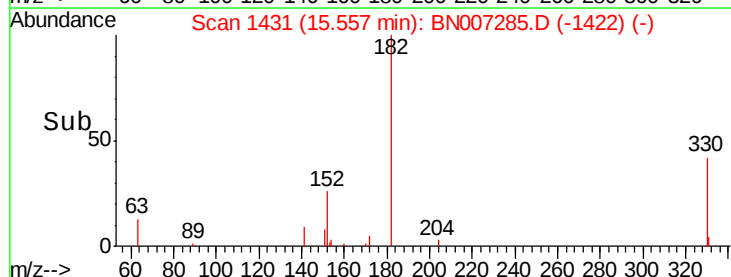
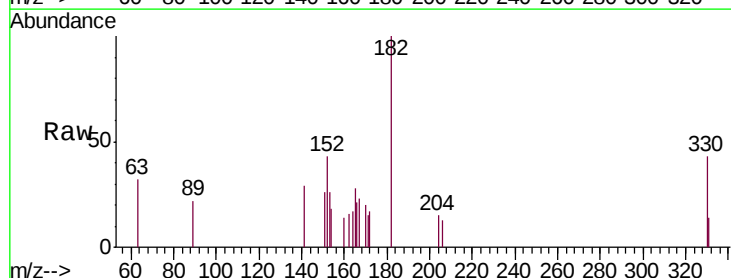
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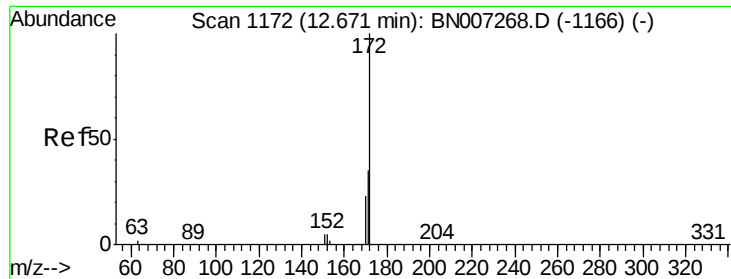
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#14
2,4,6-Tribromophenol
Concen: 0.045 ng
RT: 15.56 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	50.4	30.3	45.5#





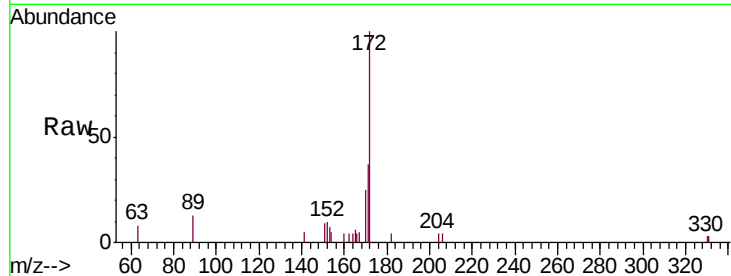
#15
2-Fluorobiphenyl
Concen: 0.051 ng
RT: 12.67 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.6	43.0
170	25.2	18.7	28.1

Manual Integrations
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8/26/2019 12:12:53 PM

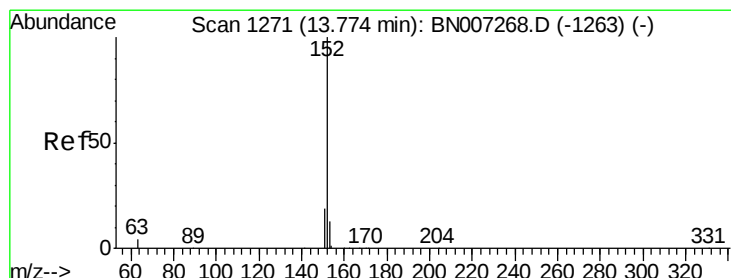
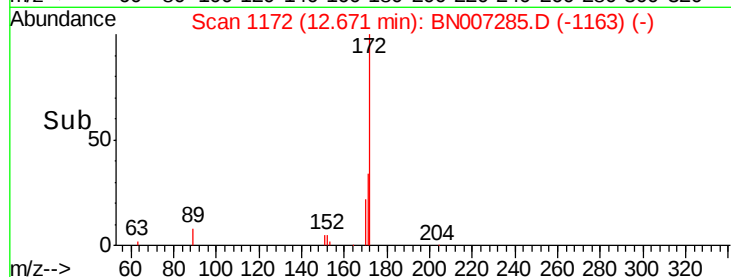
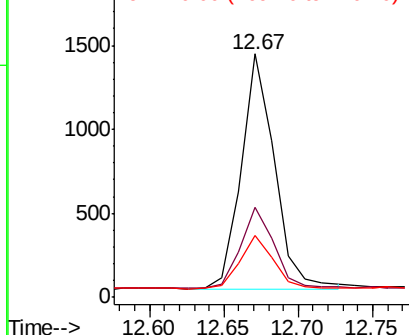


Abundance

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



#16
Acenaphthylene
Concen: 0.089 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

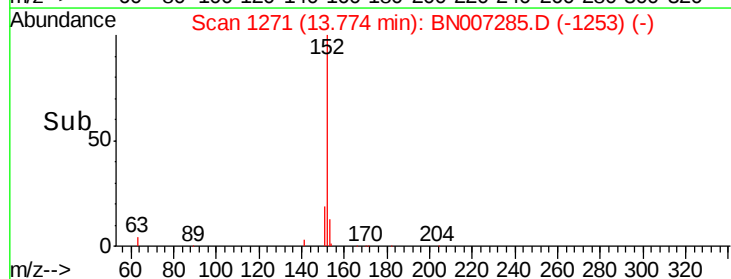
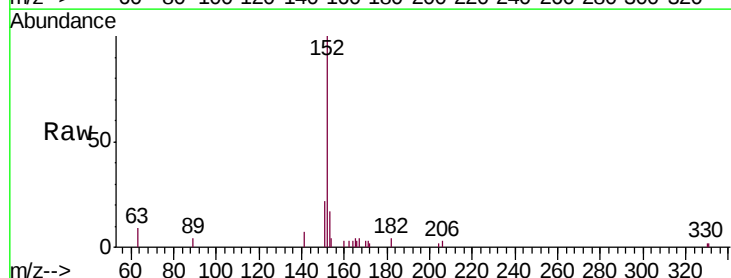
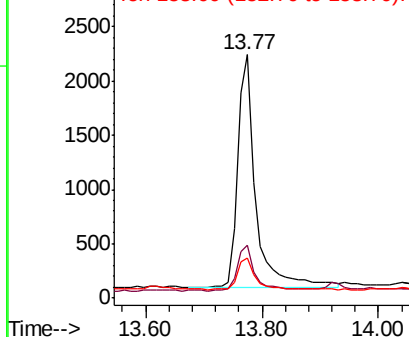
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.2
153	13.4	10.1	15.1

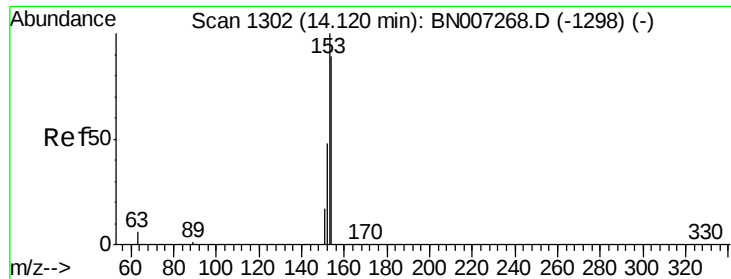
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





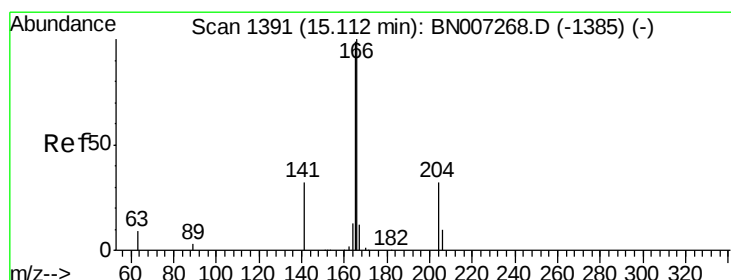
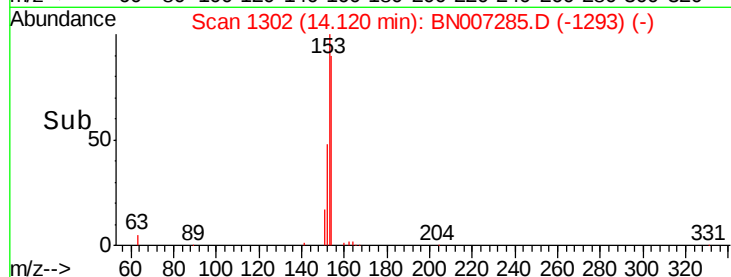
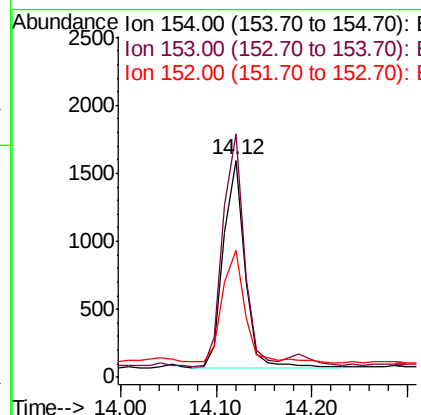
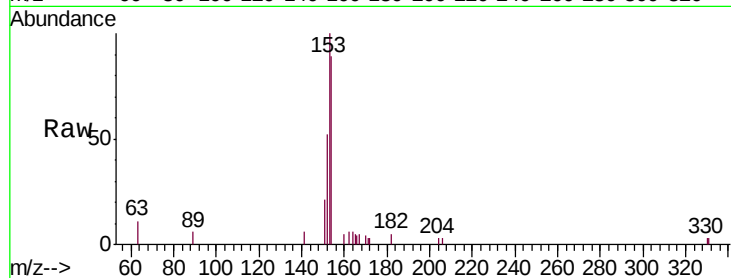
#17
Acenaphthene
Concen: 0.070 ng
RT: 14.12 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.9	134.9
152	60.0	43.9	65.9

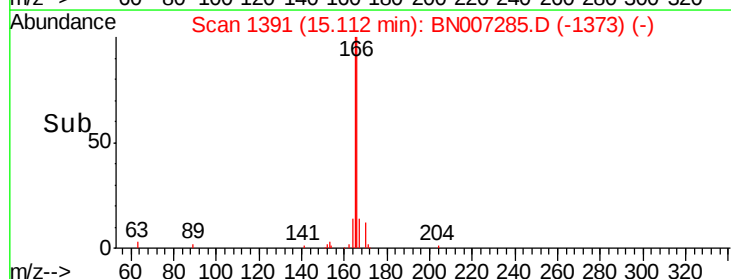
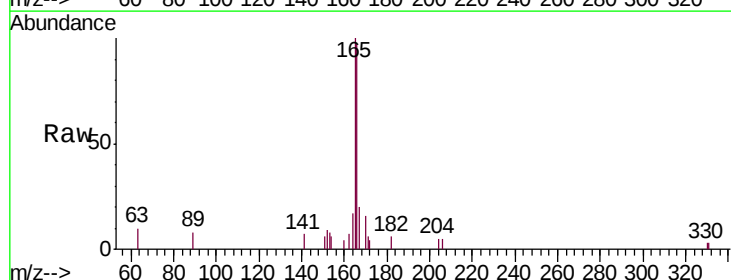
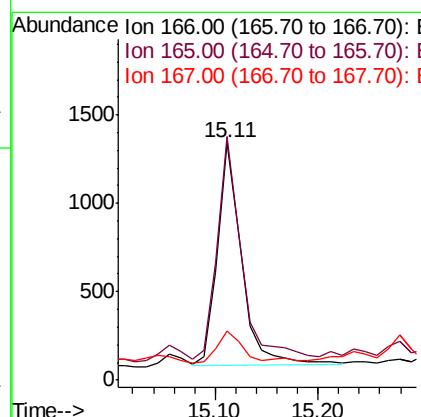
Manual Integrations
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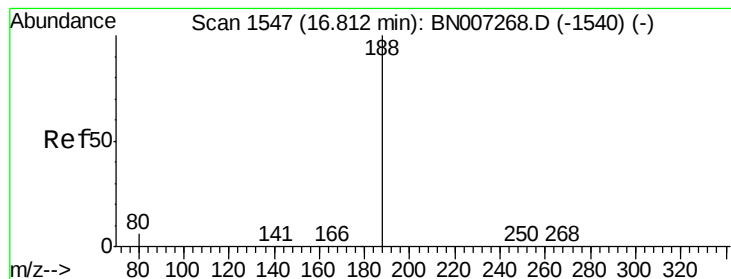
mohammad
8/26/2019 12:12:53 PM



#18
Fluorene
Concen: 0.047 ng
RT: 15.11 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.6	78.3	117.5
167	16.3	11.1	16.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007285.D

Acq: 21 Aug 2019 09:39

Instrument :

BNA_N

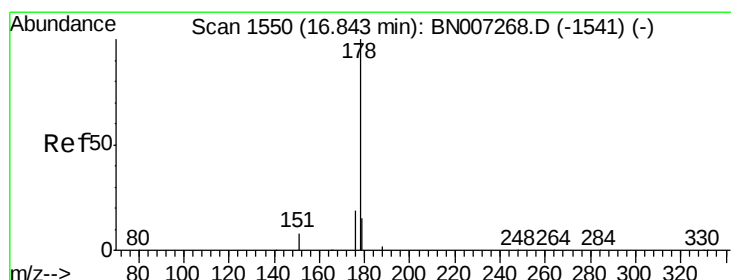
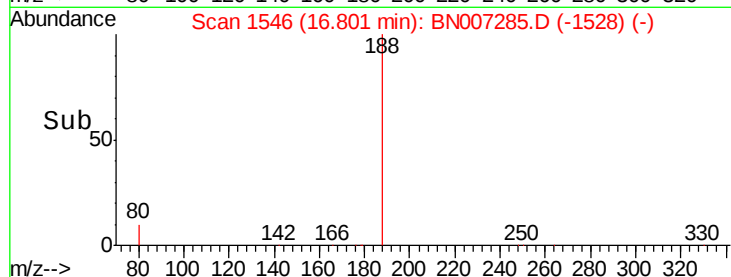
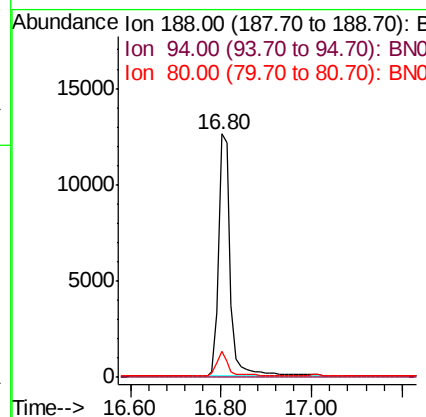
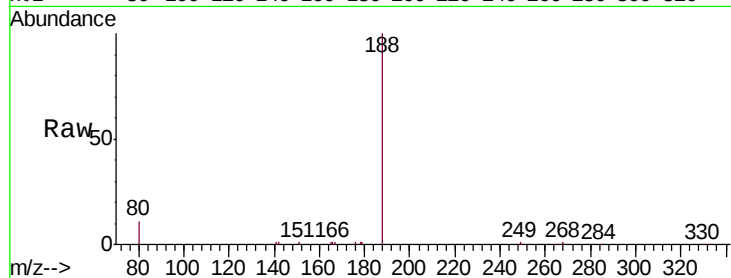
ClientSampleId :

S301-J-1.5-2.0-081919DL

Tot Ion:	188	Resp:	22950
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.9	5.2	7.8#

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#23

Phenanthrene

Concen: 0.627 ng

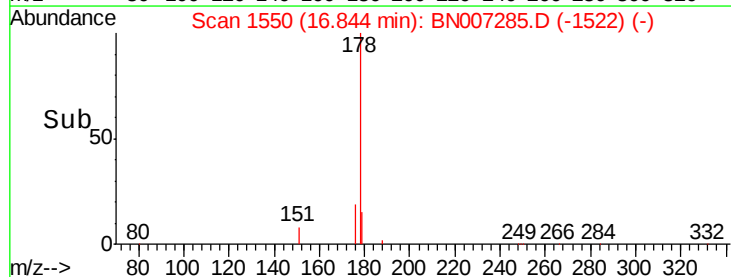
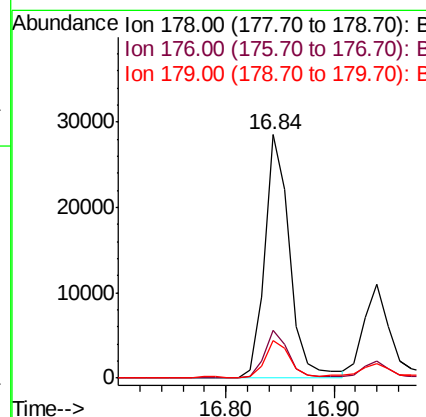
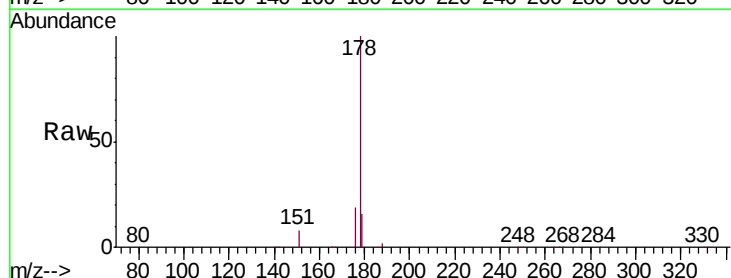
RT: 16.84 min Scan# 1550

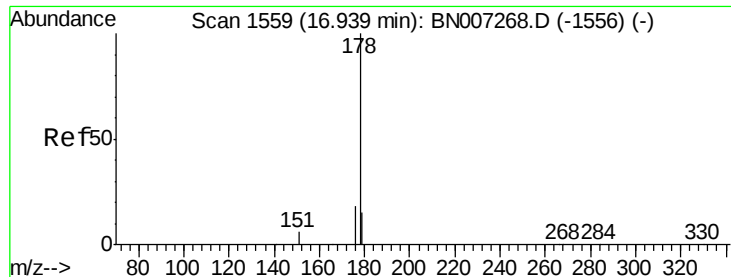
Delta R.T. 0.00 min

Lab File: BN007285.D

Acq: 21 Aug 2019 09:39

Tgt Ion:	178	Resp:	45108
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.2	22.8
179	14.9	12.3	18.5





#24

Anthracene

Concen: 0.283 ng

RT: 16.94 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007285.D

Acq: 21 Aug 2019 09:39

Instrument :

BNA_N

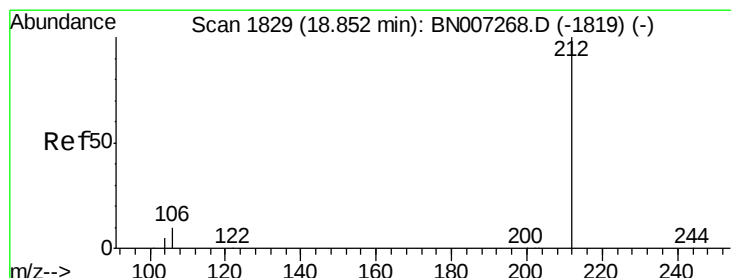
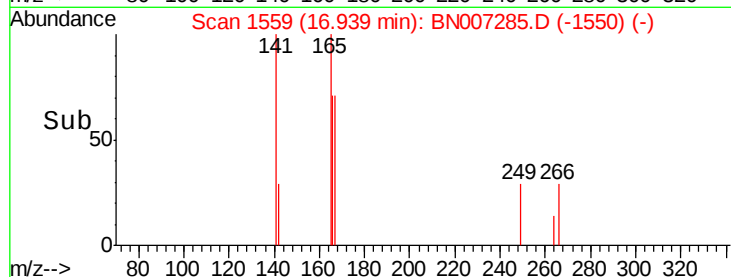
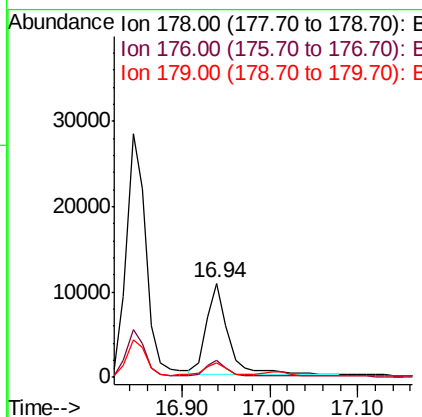
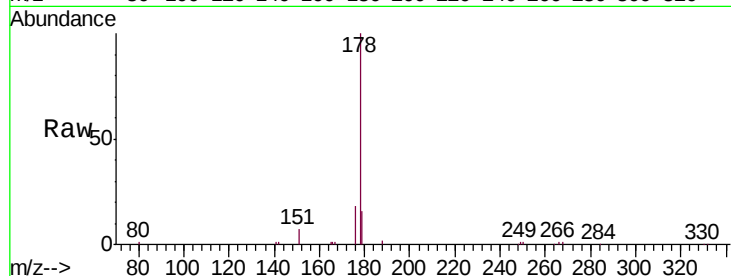
ClientSampleId :

S301-J-1.5-2.0-081919DL

Tot Ion:178	Resp:	18349
Ion Ratio	Lower	Upper
178	100	
176	17.9	14.3 21.5
179	13.4	12.3 18.5

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#25

Fluoranthene-d10

Concen: 0.046 ng

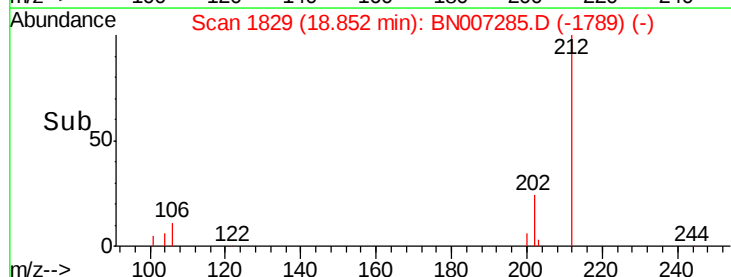
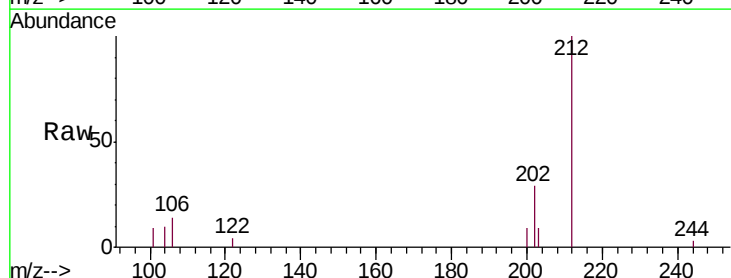
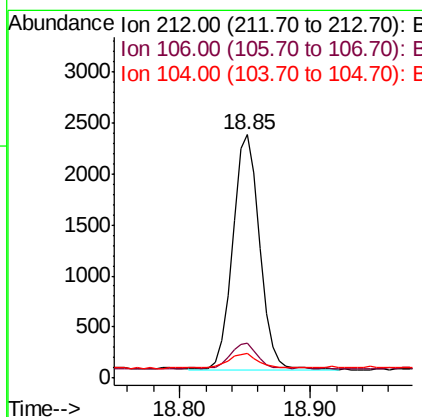
RT: 18.85 min Scan# 1829

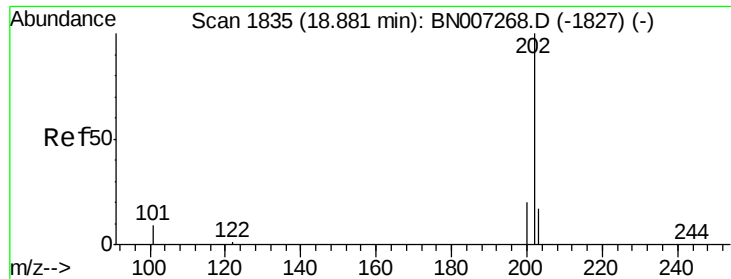
Delta R.T. 0.00 min

Lab File: BN007285.D

Acq: 21 Aug 2019 09:39

Tgt Ion:212	Resp:	3340
Ion Ratio	Lower	Upper
212	100	
106	11.4	8.2 12.4
104	6.4	4.7 7.1





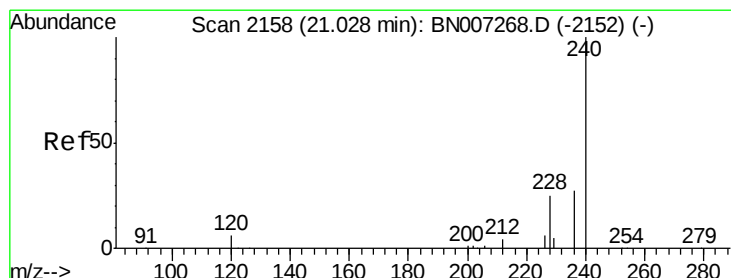
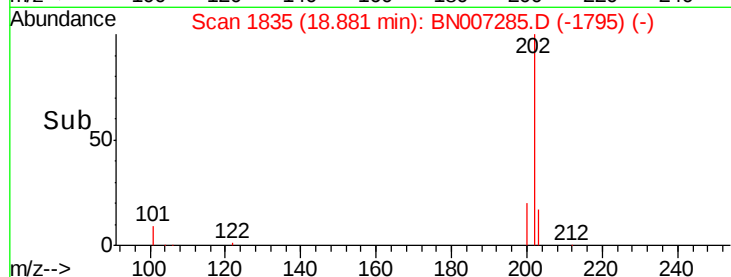
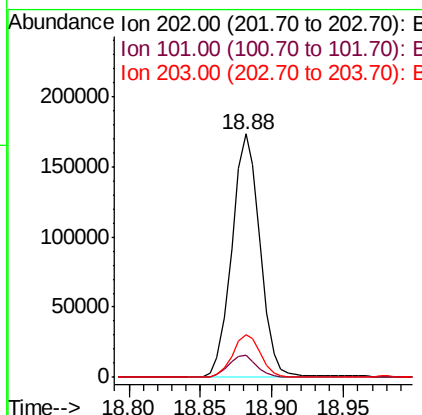
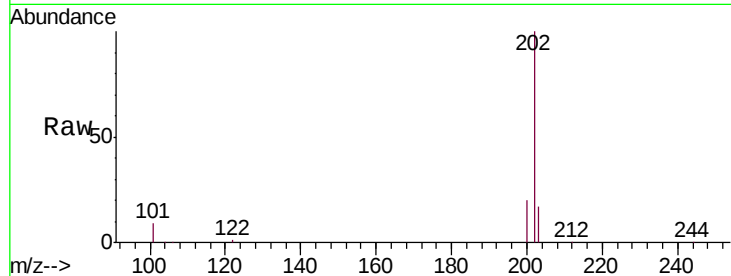
#26
Fluoranthene
Concen: 2.725 ng
RT: 18.88 min Scan# 1835
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	237399		
101	9.0		7.2	10.8
203	17.5		13.8	20.6

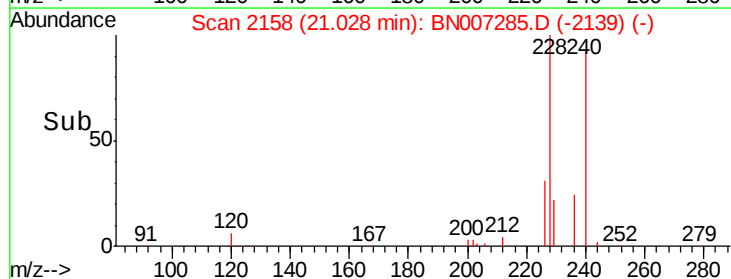
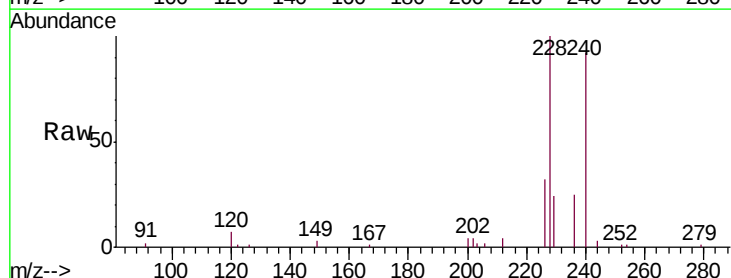
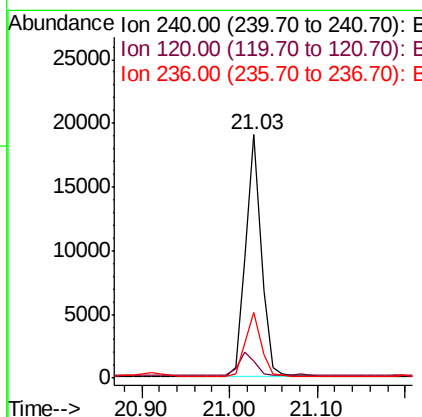
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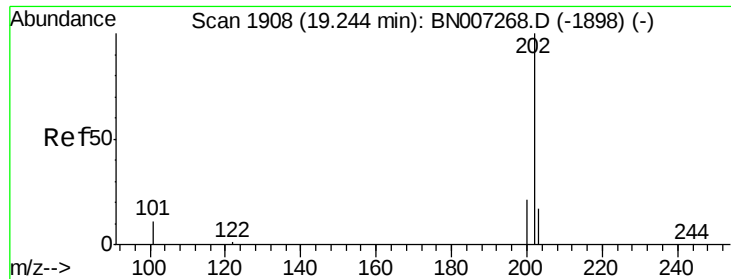
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2158
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	23853		
120	7.2		5.6	8.4
236	27.1		21.6	32.4





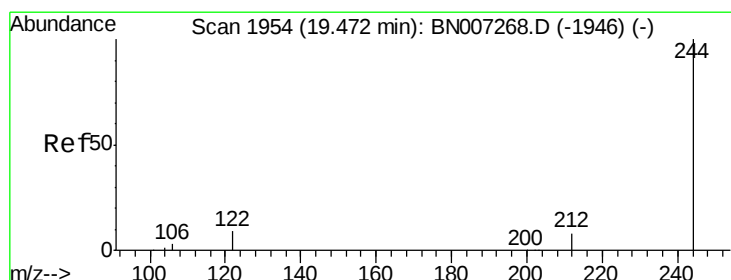
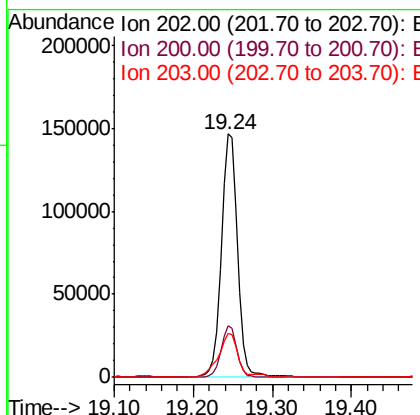
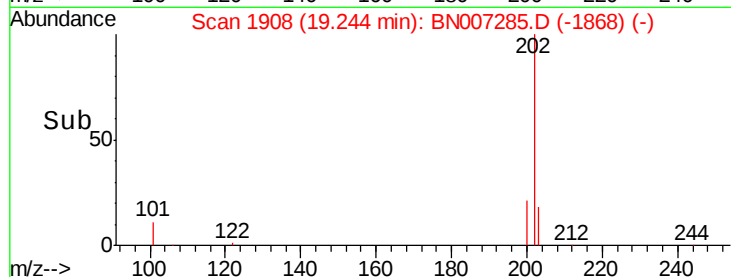
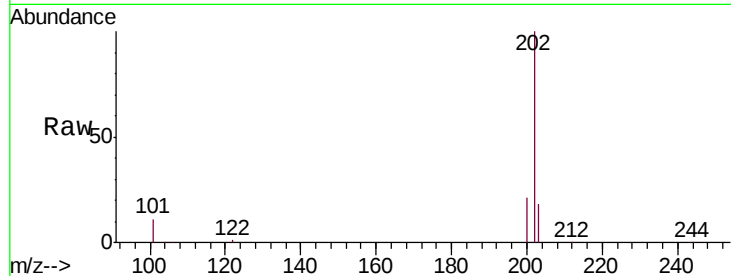
#28
Pvrene
Concen: 2.373 ng
RT: 19.24 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	16.7	25.1
203	21.8	13.9	20.9

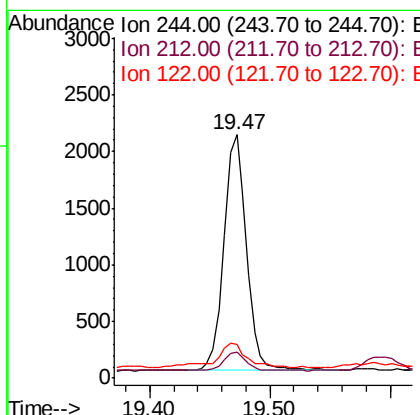
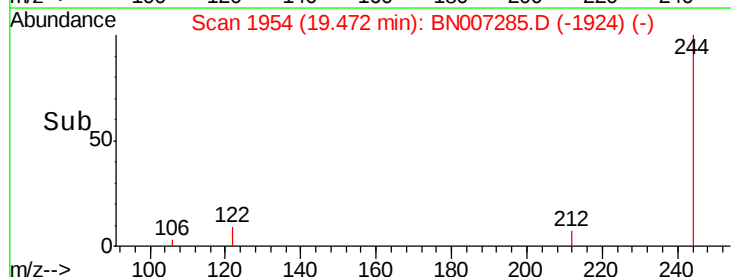
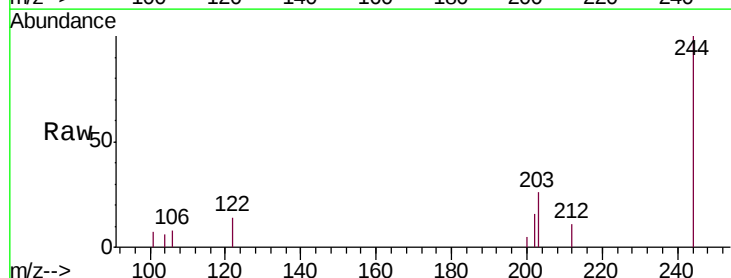
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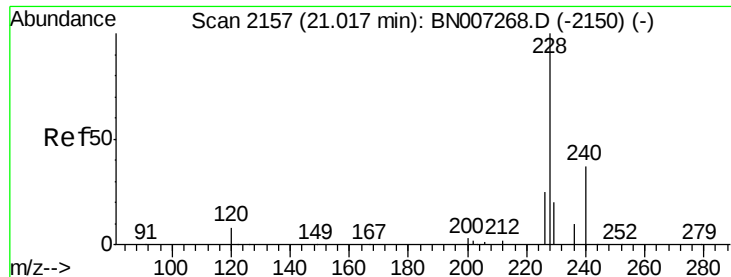
mohammad
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#29
Terphenyl-d14
Concen: 0.046 ng
RT: 19.47 min Scan# 1954
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	10.8	6.5	9.7
122	14.1	7.9	11.9





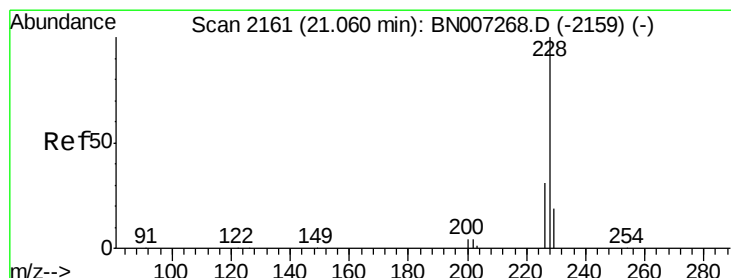
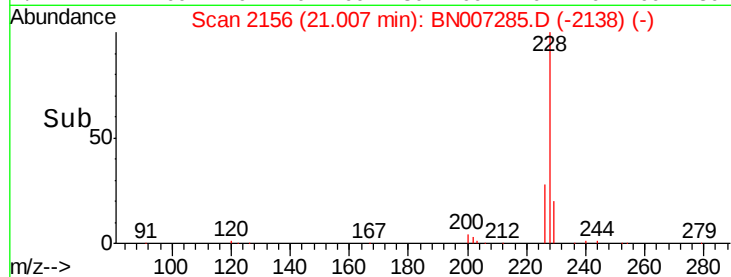
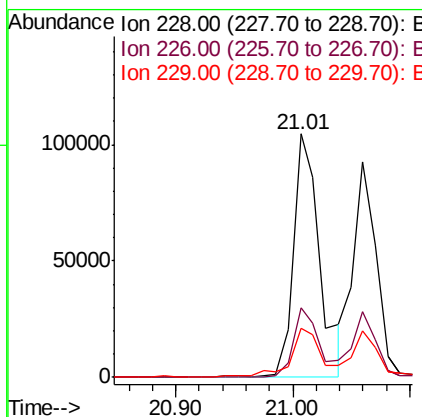
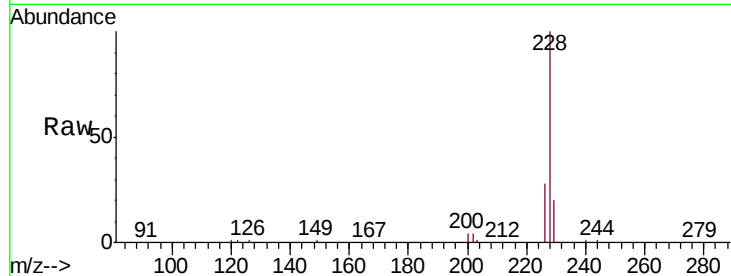
#30
Benzo(a)anthracene
Concen: 1.840 ng
RT: 21.01 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	20.6	30.8
229	20.1	16.9	25.3

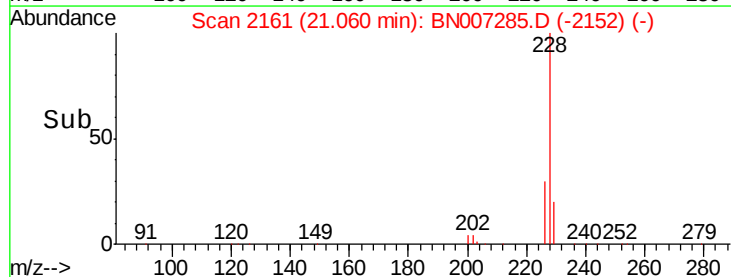
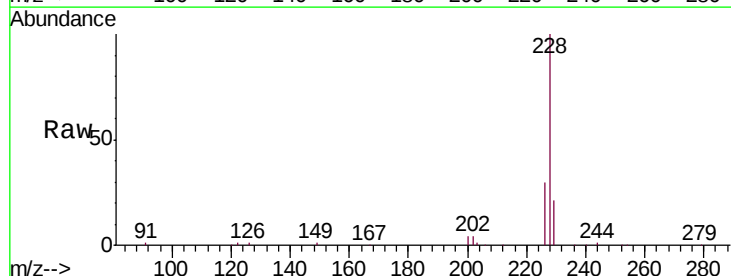
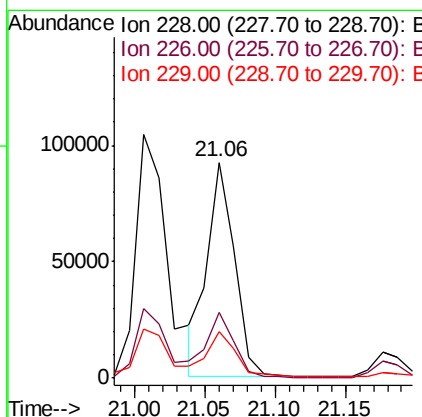
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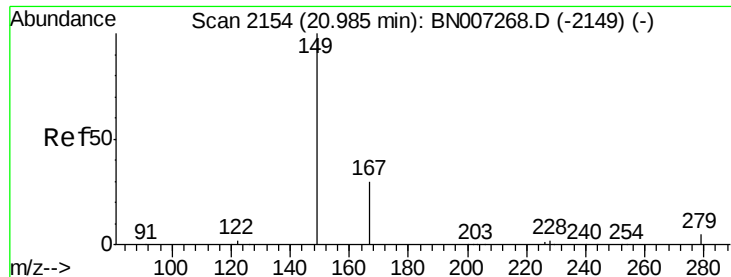
mohammad
8/26/2019 12:12:53 PM



#31
Chrysene
Concen: 1.391 ng
RT: 21.06 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	36.8
229	21.3	15.6	23.4





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.112 ng

RT: 20.99 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BN007285.D

Acq: 21 Aug 2019 09:39

Instrument :

BNA_N

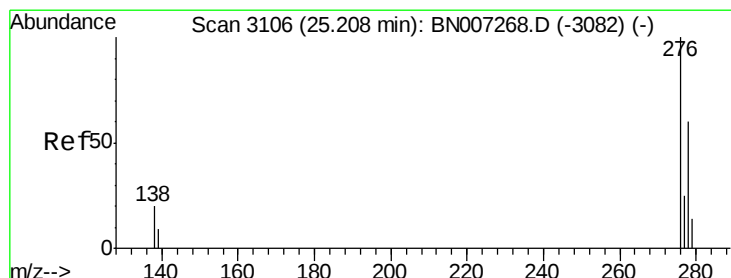
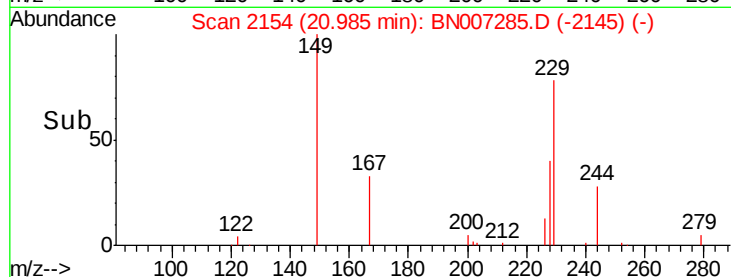
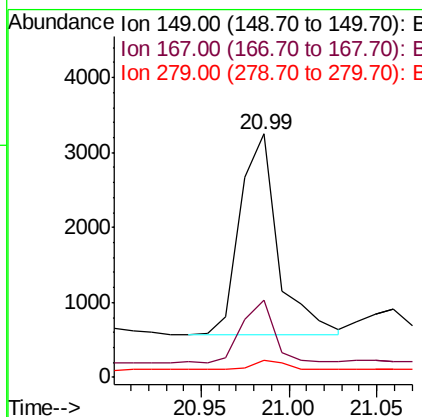
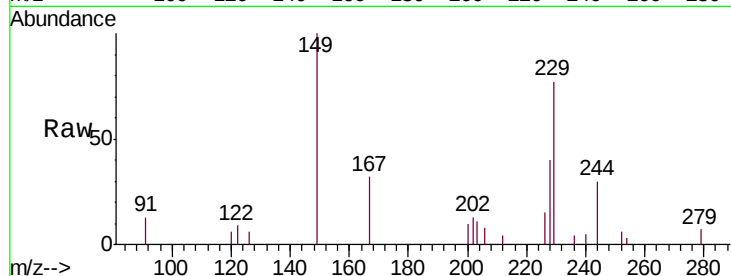
ClientSampleId :

S301-J-1.5-2.0-081919DL

Tot Ion:	149	Resp:	3969
Ion Ratio	Lower	Upper	
149	100		
167	28.6	23.8	35.6
279	4.6	3.8	5.8

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.821 ng

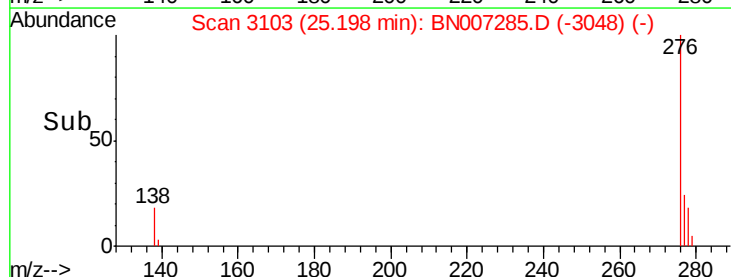
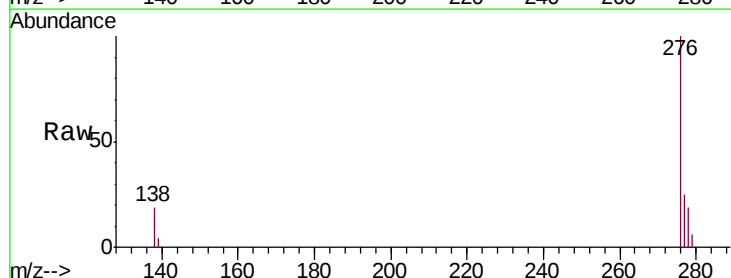
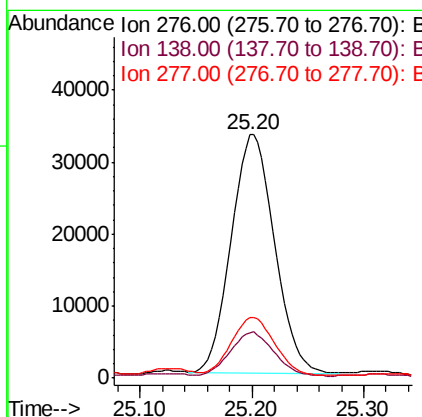
RT: 25.20 min Scan# 3103

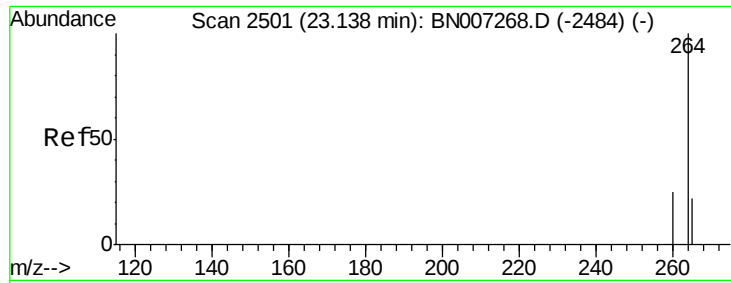
Delta R.T. -0.01 min

Lab File: BN007285.D

Acq: 21 Aug 2019 09:39

Tgt Ion:	276	Resp:	89465
Ion Ratio	Lower	Upper	
276	100		
138	18.7	17.1	25.7
277	24.6	20.1	30.1





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.13 min Scan# 2500

Delta R.T. -0.00 min

Lab File: BN007285.D

Acq: 21 Aug 2019 09:39

Instrument :

BNA_N

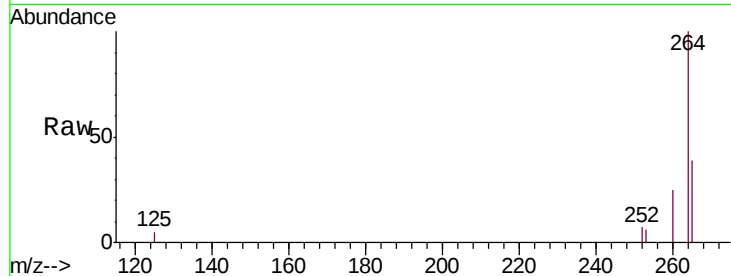
ClientSampleId :

S301-J-1.5-2.0-081919DL

Tot Ion:	264	Resp:	25465
Ion Ratio	Lower	Upper	
264	100		
260	24.9	20.1	30.1
265	39.2	29.0	43.6

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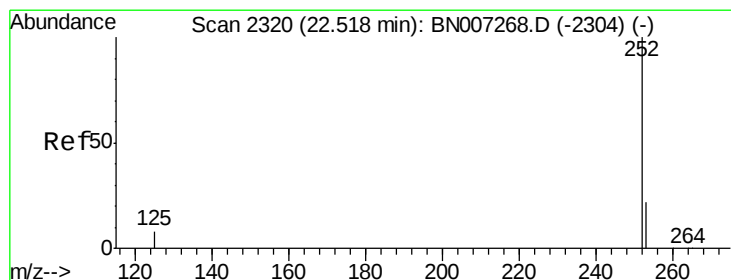
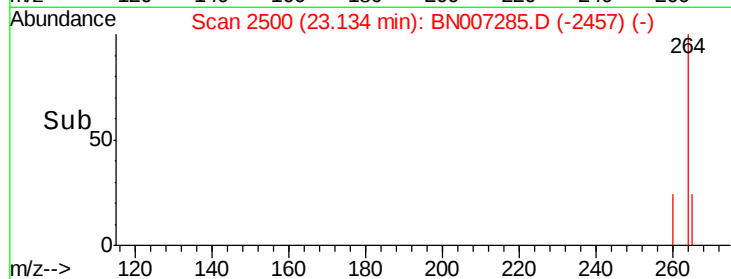
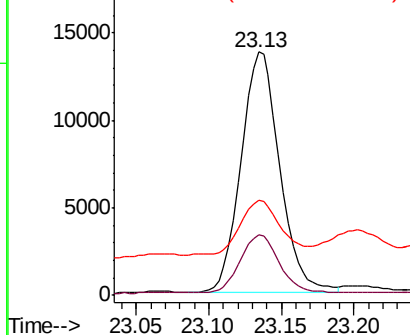


Abundance

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



#35

Benzo(b)fluoranthene

Concen: 2.035 ng

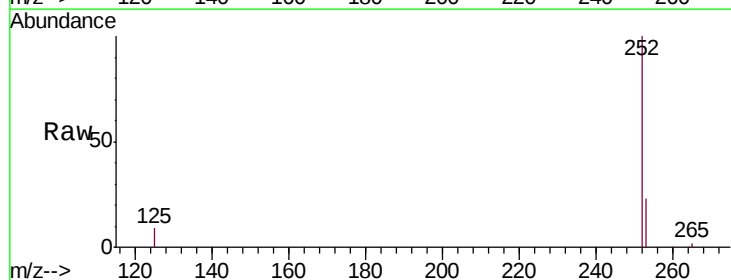
RT: 22.52 min Scan# 2320

Delta R.T. 0.00 min

Lab File: BN007285.D

Acq: 21 Aug 2019 09:39

Tgt Ion:	252	Resp:	193228
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.5	27.7
125	9.1	7.8	11.6

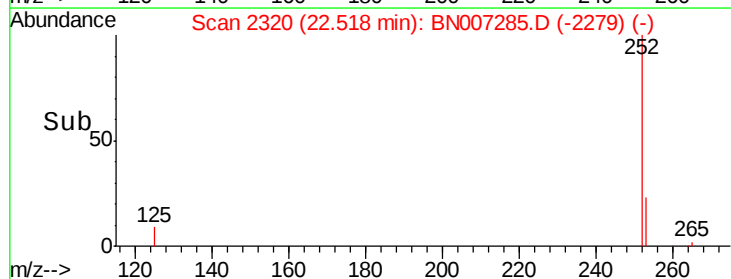
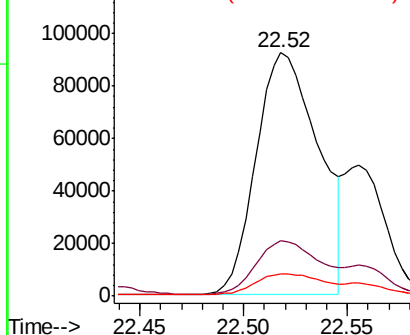


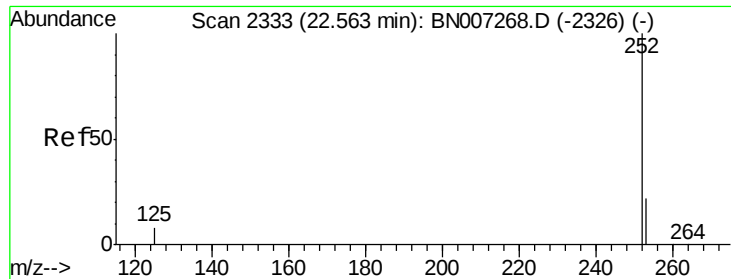
Abundance

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





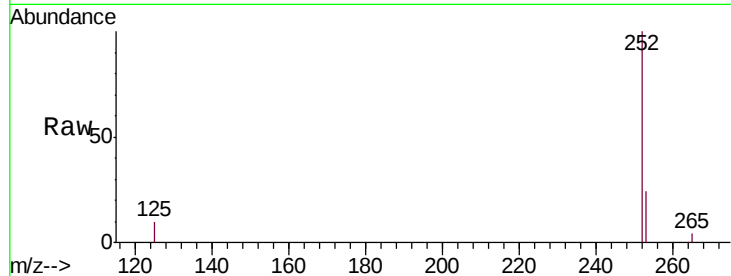
#36
Benzo(k)fluoranthene
Concen: 0.744 ng m
RT: 22.56 min Scan# 2331
Delta R.T. -0.01 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	9.7	8.0	12.0

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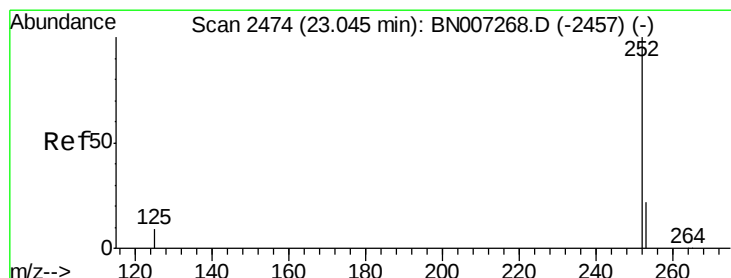
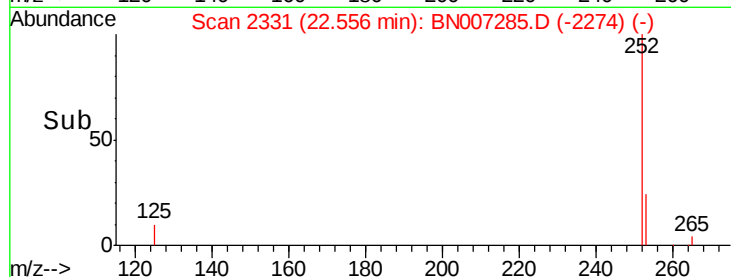
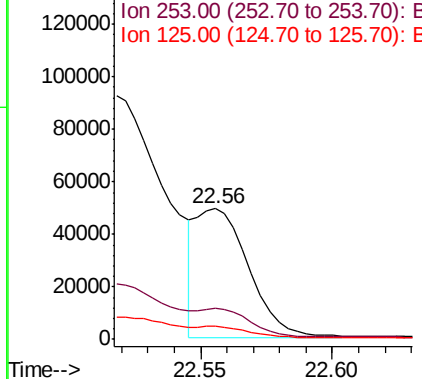


Abundance

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



#37
Benzo(a)pyrene
Concen: 1.610 ng
RT: 23.05 min Scan# 2474
Delta R.T. 0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

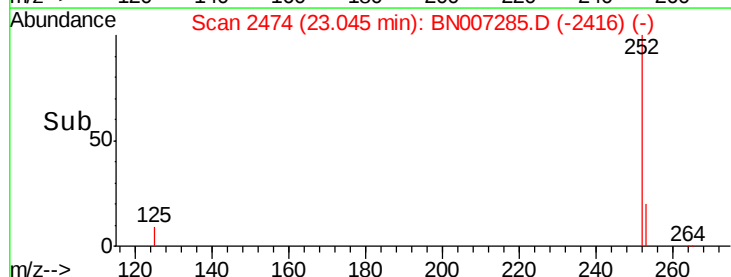
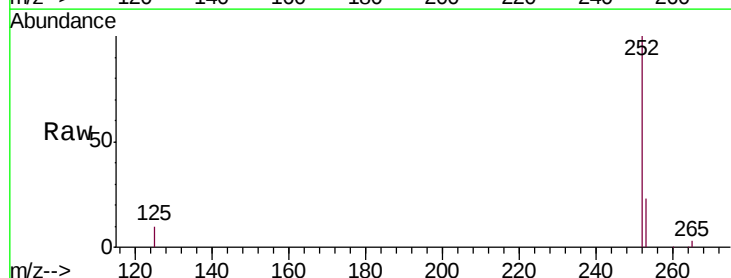
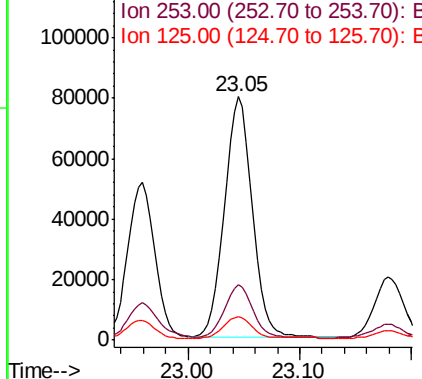
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.7	28.1
125	9.8	8.7	13.1

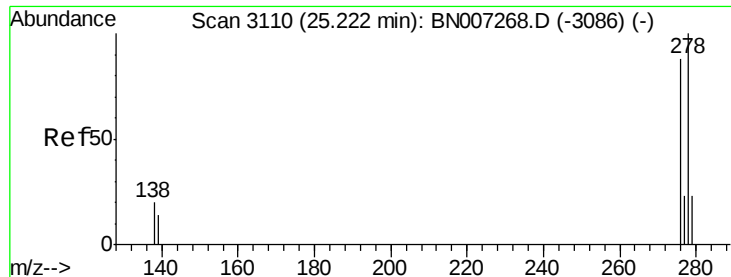
Abundance

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





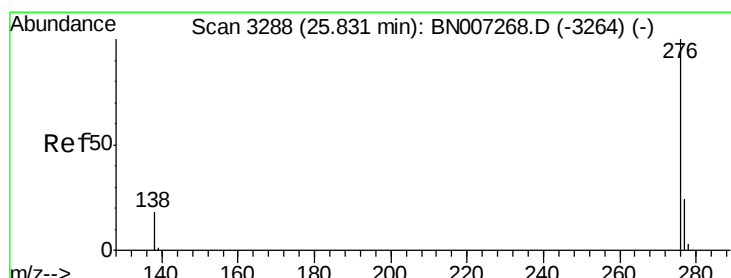
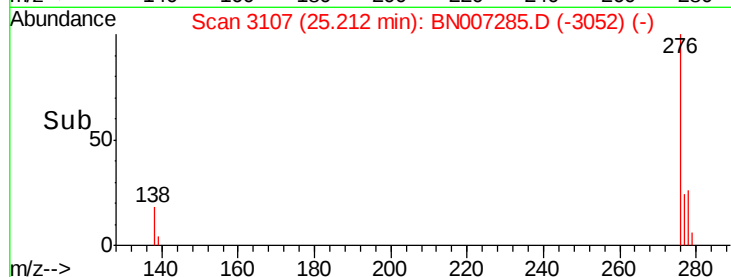
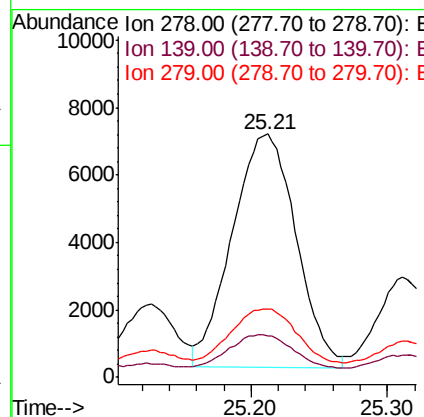
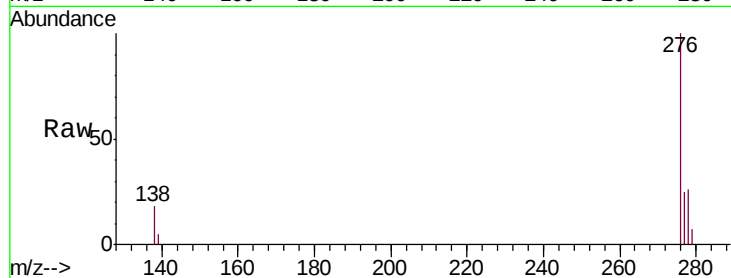
#38
Dibenzo(a,h)anthracene
Concen: 0.251 ng
RT: 25.21 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.2	11.8	17.8
279	27.9	19.8	29.6

Manual Integrations
APPROVED

mohammad
8/26/2019 12:12:53 PM



#39
Benzo(g,h,i)perylene
Concen: 0.956 ng
RT: 25.83 min Scan# 3287
Delta R.T. -0.00 min
Lab File: BN007285.D
Acq: 21 Aug 2019 09:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.5	29.3
138	19.3	15.3	22.9

