

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
 Data File : BN009185.D
 Acq On : 26 Dec 2019 22:40
 Operator : JU
 Sample : K6381-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB5R9

Manual Integrations
 APPROVED

mohammad
 12/27/2019 3:20:27 PM

Quant Time: Dec 27 03:43:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 27 01:30:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	323383	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	1442973	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.15	164	929892	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.90	188	1907087	20.00	ng/ul	0.00
77) Chrysene-d12	21.11	240	1489250	20.00	ng/ul	0.00
85) Perylene-d12	23.24	264	1335535	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	41687	5.89	ng/uL	0.00
5) Phenol-d5	6.72	99	968232	31.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	640999	32.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	731870	33.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	789507	31.81	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	384482	35.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	435902	35.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	760687	33.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.42	131	1055134	38.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.57	166	2240712	32.08	ng/ul	0.00
46) Acenaphthylene-d8	13.84	160	2852750	34.84	ng/ul	0.00
51) 4-Nitrophenol-d4	14.37	143	417250	30.05	ng/ul	0.00
57) Fluorene-d10	15.16	176	1990540	32.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.29	200	240977	20.25	ng/ul	0.00
70) Anthracene-d10	17.00	188	2956044	33.32	ng/ul	0.00
78) Pyrene-d10	19.30	212	3175081	40.86	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.12	264	2330735	34.64	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	6.68	77	20379	1.057	ng/ul#	82
28) Naphthalene	10.33	128	139541	1.812	ng/ul	97
34) 2-Methylnaphthalene	11.95	142	64775	1.167	ng/ul	100
49) Acenaphthene	14.22	153	79569	1.349	ng/ul	97
53) Dibenzofuran	14.56	168	90971	1.099	ng/ul	99
58) Fluorene	15.21	166	89314	1.291	ng/ul#	95
69) Phenanthrene	16.95	178	1715304	16.313	ng/ul	98
71) Anthracene	17.03	178	352322	3.257	ng/ul	99
74) Carbazole	17.31	167	143059	1.530	ng/ul	99
76) Fluoranthene	18.97	202	2790603	22.979	ng/ul	99
79) Pyrene	19.33	202	2359225	22.841	ng/ul	99
82) Benzo(a)anthracene	21.09	228	1116688	11.097	ng/ul	94
84) Chrysene	21.15	228	1077835	11.146	ng/ul	99
87) Benzo(b)fluoranthene	22.62	252	1195528	14.646	ng/ul	97
88) Benzo(k)fluoranthene	22.65	252	353285m	4.432	ng/ul	
90) Benzo(a)pyrene	23.16	252	684599	9.134	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.34	276	426864	4.701	ng/ul	97
92) Dibenzo(a,h)anthracene	25.34	278	129132	1.685	ng/ul#	96
93) Benzo(g,h,i)perylene	25.98	276	402186	5.293	ng/ul	98

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

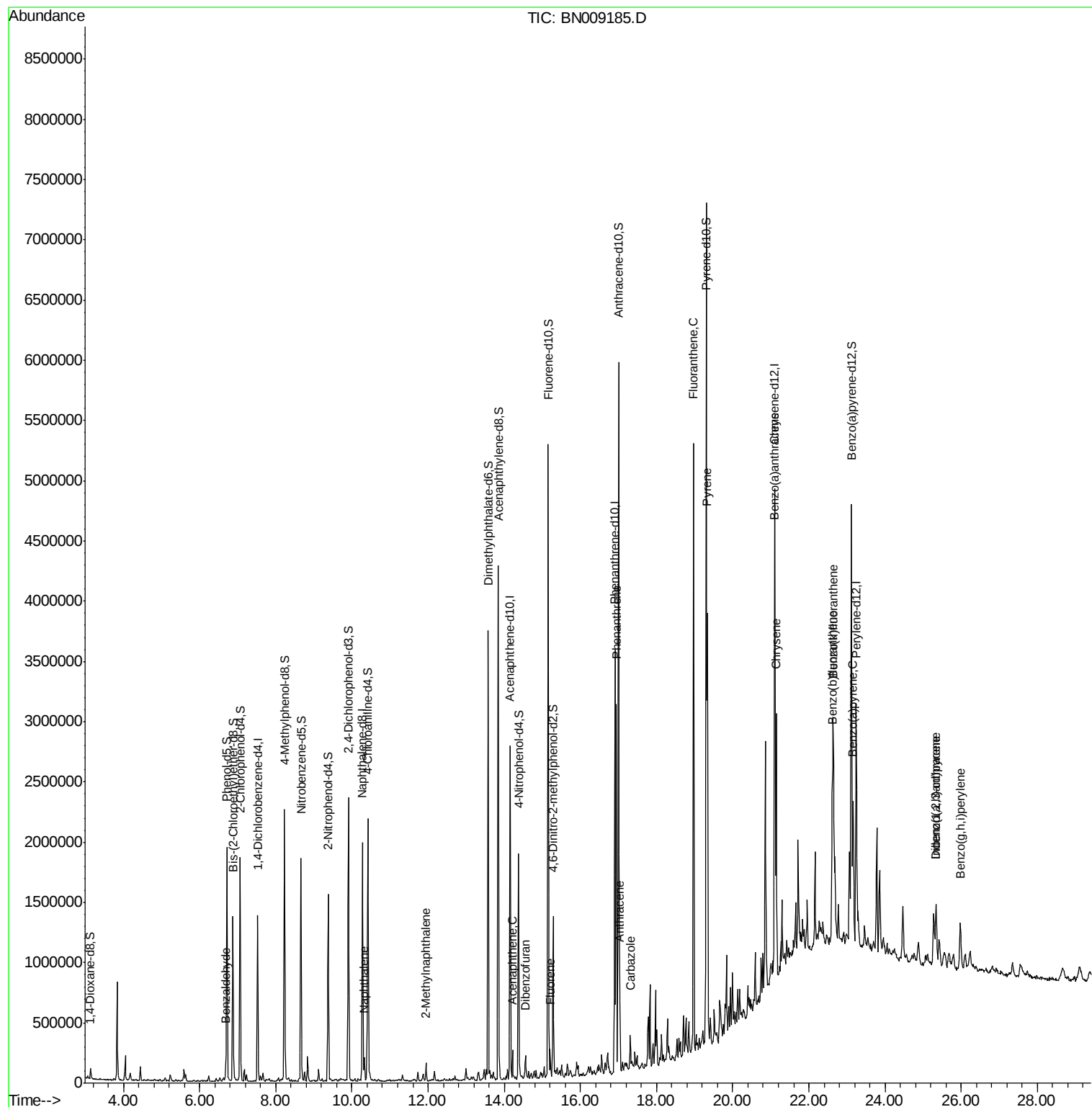
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122619\
Data File : BN009185.D
Acq On : 26 Dec 2019 22:40
Operator : JU
Sample : K6381-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

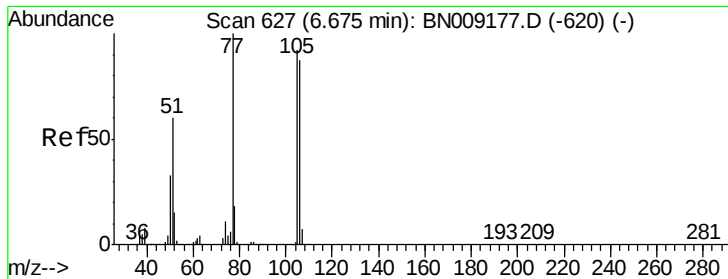
Instrument :
BNA_N
ClientSampleId :
CB5R9

Manual Integrations
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12/27/2019 3:20:27 PM

Quant Time: Dec 27 03:43:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 27 01:30:55 2019
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.057 ng/ul

RT: 6.68 min Scan# 628

Delta R.T. 0.01 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

Instrument :

BNA_N

ClientSampled :

CB5R9

Tot Ion: 77 Resp: 20379

Ion Ratio Lower Upper

77 100

105 122.9 73.9 110.9#

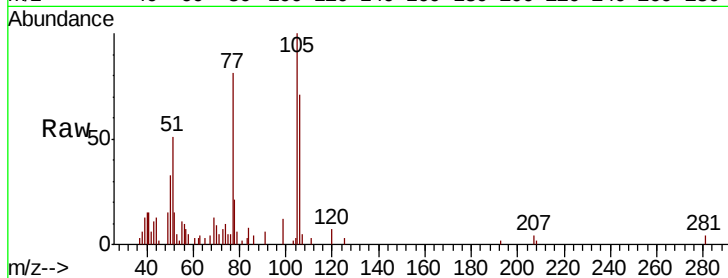
106 86.7 72.1 108.1

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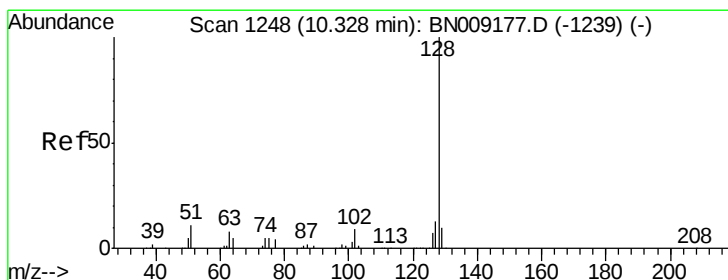
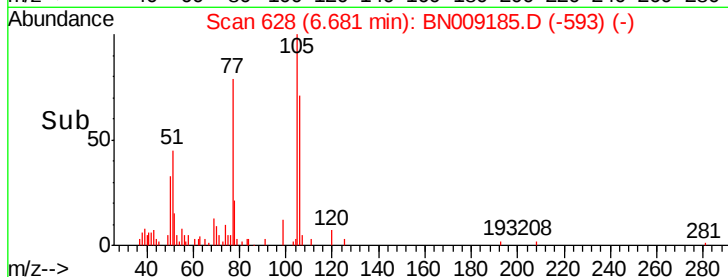
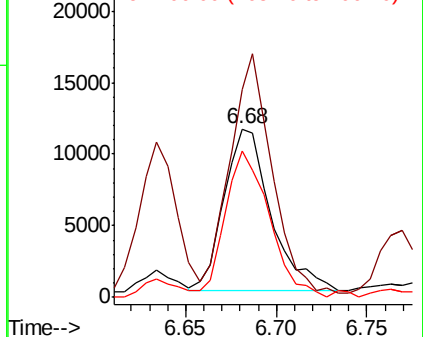
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Abundance Ion 77.00 (76.70 to 77.70): BN009177.D (-620) (-)

Ion 105.00 (104.70 to 105.70): BN009177.D (-620) (-)

Ion 106.00 (105.70 to 106.70): BN009177.D (-620) (-)



#28

Naphthalene

Concen: 1.812 ng/ul

RT: 10.33 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

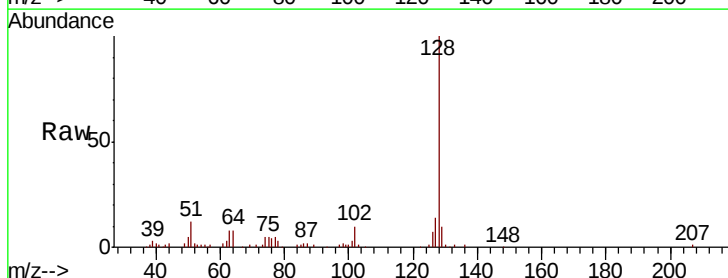
Tgt Ion: 128 Resp: 139541

Ion Ratio Lower Upper

128 100

129 9.7 8.7 13.1

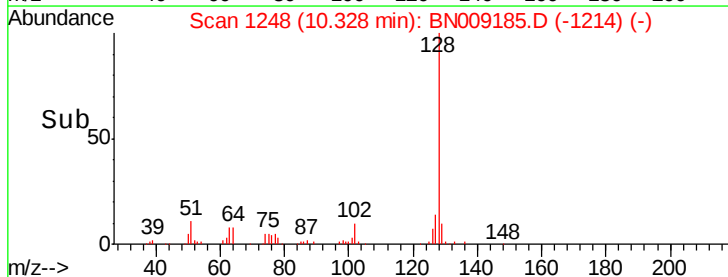
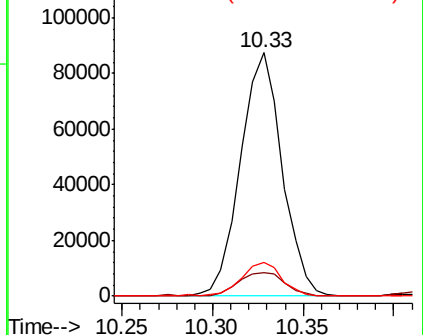
127 14.1 10.4 15.6

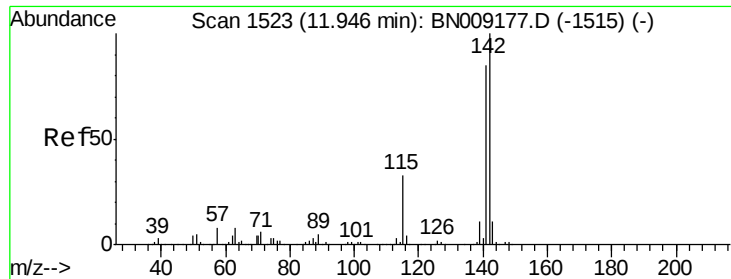


Abundance Ion 128.00 (127.70 to 128.70): BN009177.D (-1239) (-)

Ion 129.00 (128.70 to 129.70): BN009177.D (-1239) (-)

Ion 127.00 (126.70 to 127.70): BN009177.D (-1239) (-)





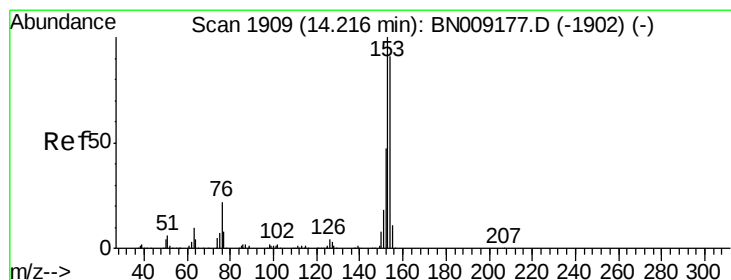
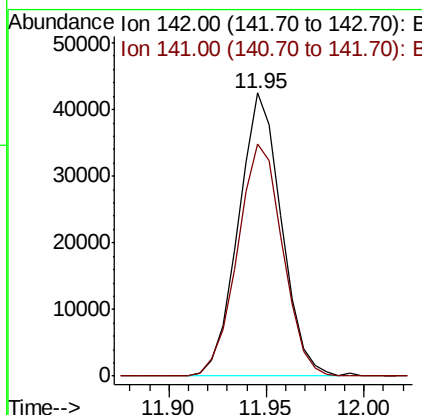
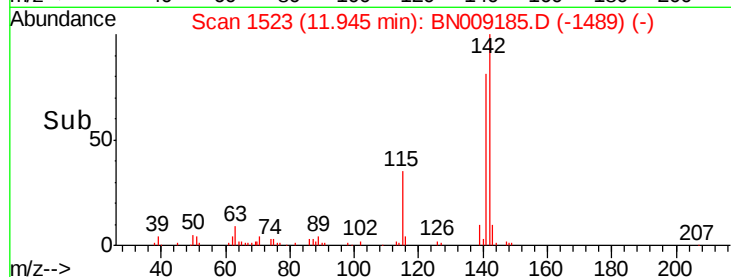
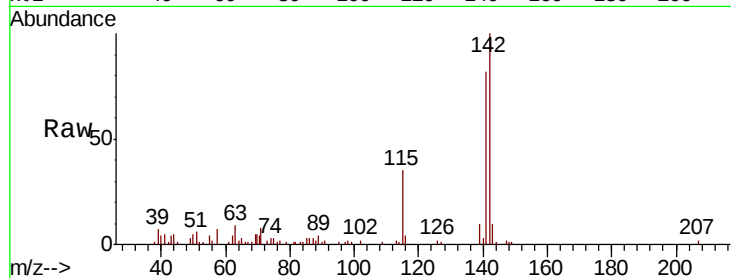
#34
2-Methylnaphthalene
Concen: 1.167 ng/ul
RT: 11.95 min Scan# 1523
Delta R.T. -0.00 min
Lab File: BN009185.D
Acq: 26 Dec 2019 22:40

Instrument :
BNA_N
ClientSampled :
CB5R9

Tot Ion	Ratio	Lower	Upper
142	100		
141	82.2	65.8	98.6

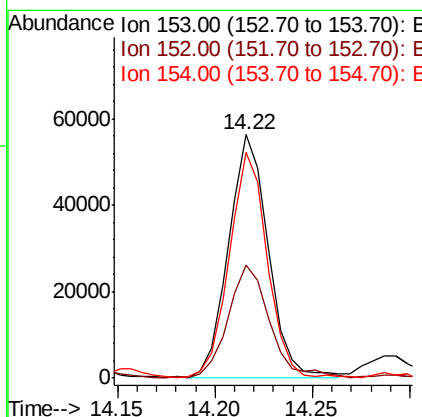
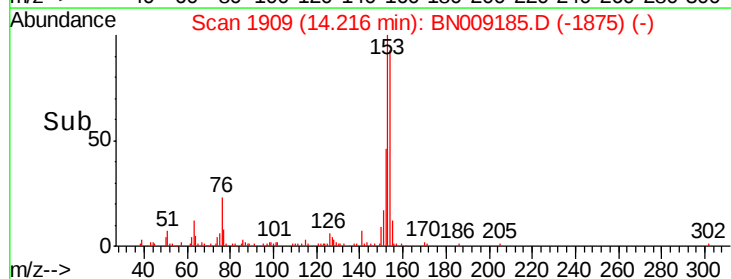
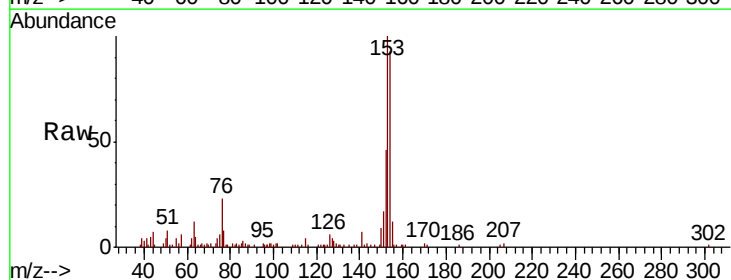
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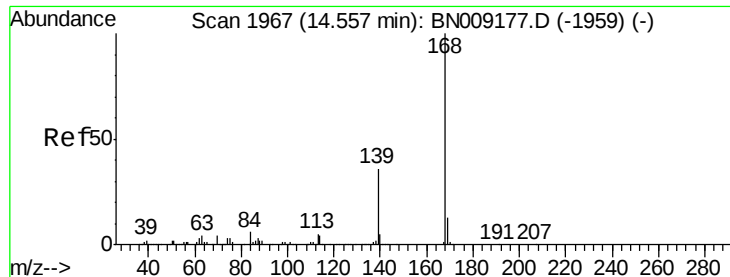
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#49
Acenaphthene
Concen: 1.349 ng/ul
RT: 14.22 min Scan# 1909
Delta R.T. -0.00 min
Lab File: BN009185.D
Acq: 26 Dec 2019 22:40

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.4	37.8	56.8
154	92.8	71.3	106.9





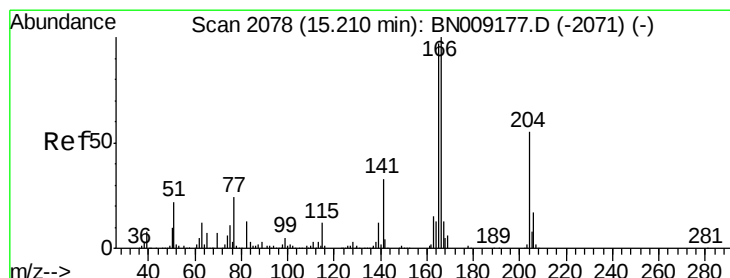
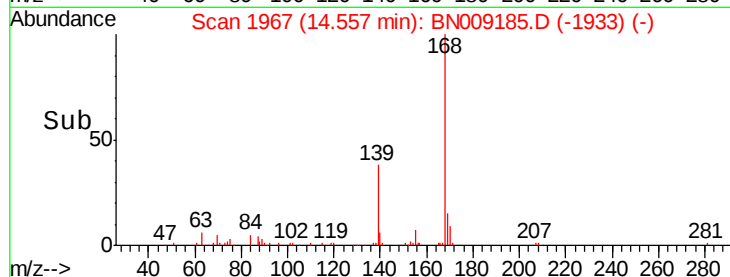
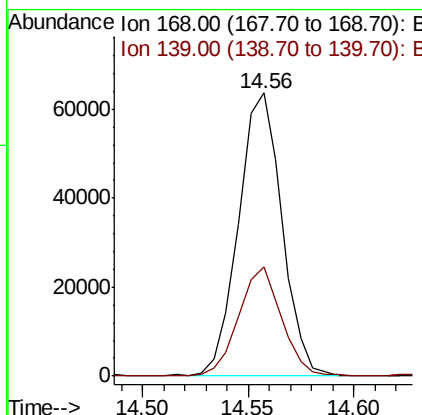
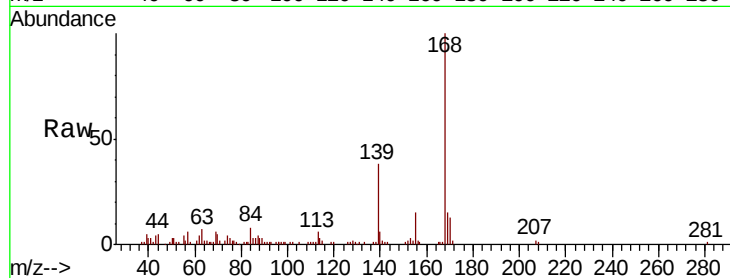
#53
Dibenzenofuran
Concen: 1.099 ng/ul
RT: 14.56 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BN009185.D
Acq: 26 Dec 2019 22:40

Instrument :
BNA_N
ClientSampleId :
CB5R9

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.3	45.5

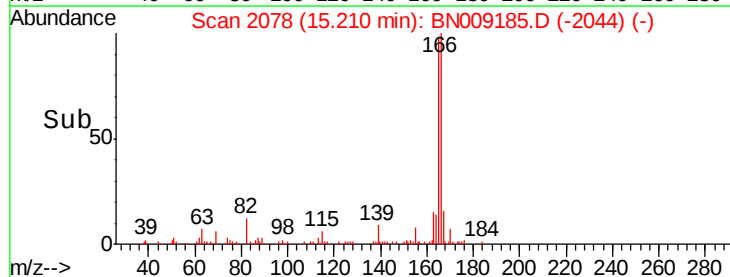
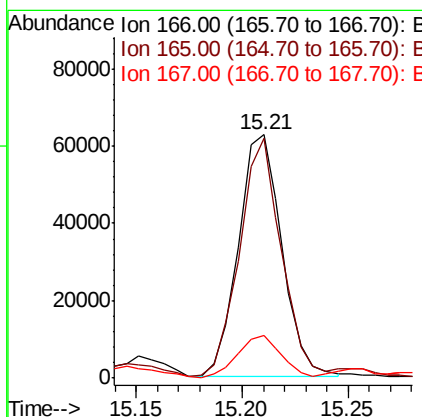
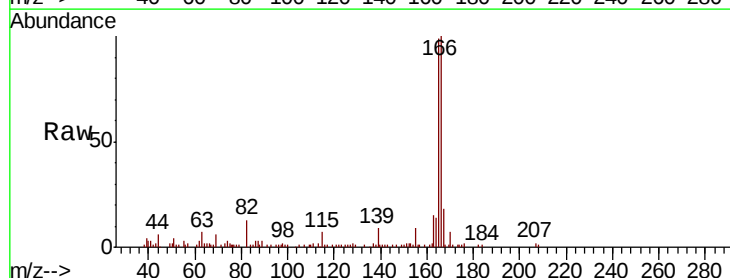
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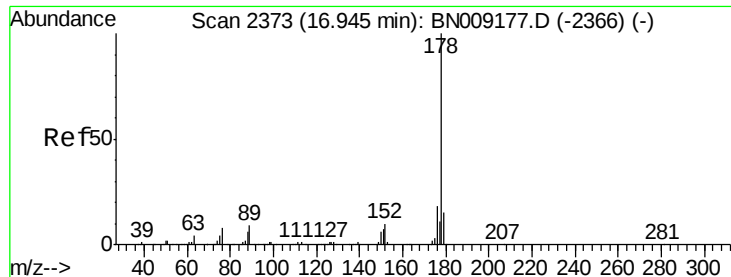
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#58
Fluorene
Concen: 1.291 ng/ul
RT: 15.21 min Scan# 2078
Delta R.T. -0.00 min
Lab File: BN009185.D
Acq: 26 Dec 2019 22:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	75.3	112.9
167	17.7	10.6	16.0#





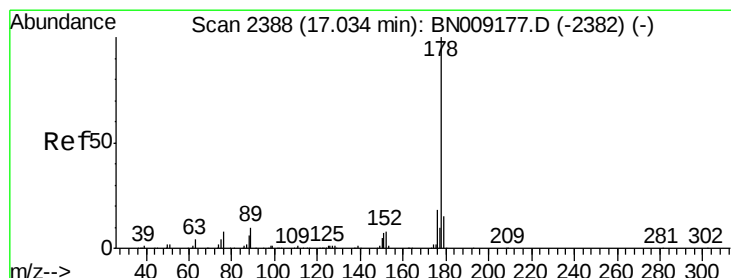
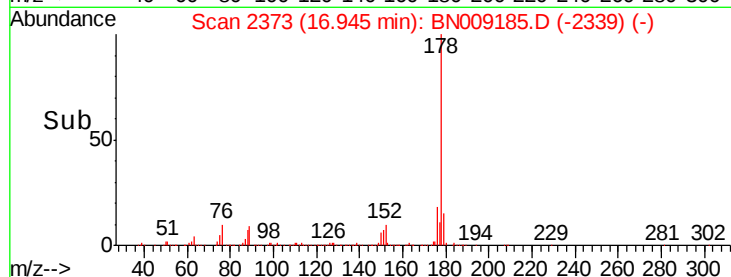
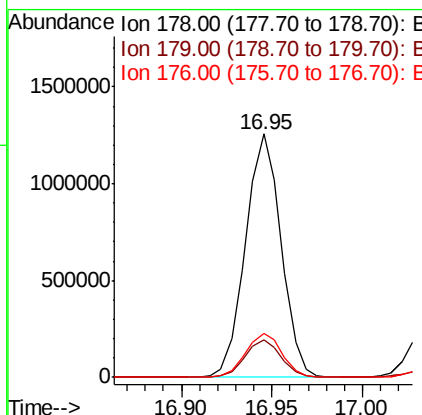
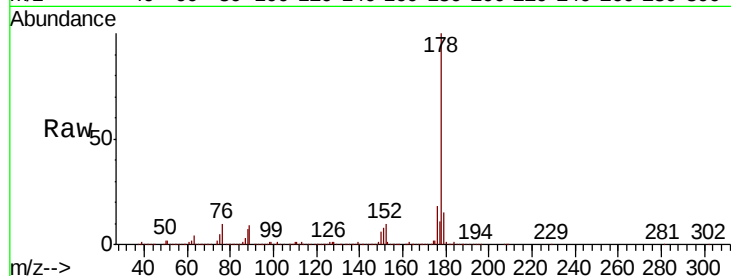
#69
Phenanthrene
Concen: 16.313 ng/ul
RT: 16.95 min Scan# 2373
Delta R.T. -0.00 min
Lab File: BN009185.D
Acq: 26 Dec 2019 22:40

Instrument :
BNA_N
ClientSampleId :
CB5R9

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	11.8	17.8
176	18.1	15.2	22.8

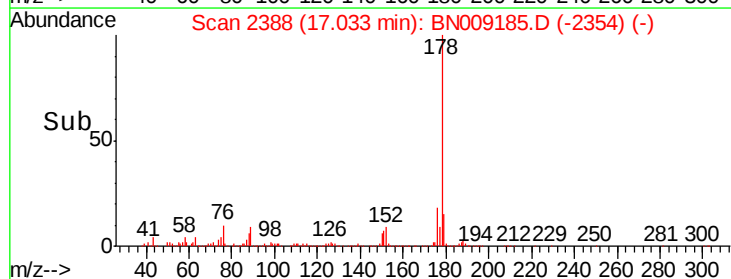
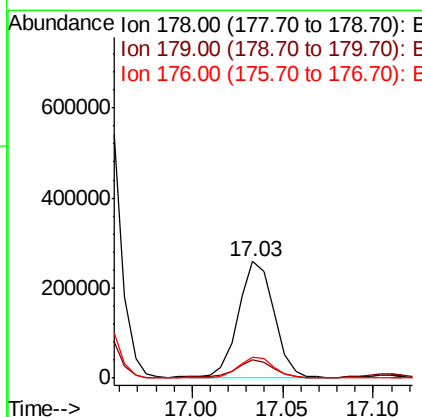
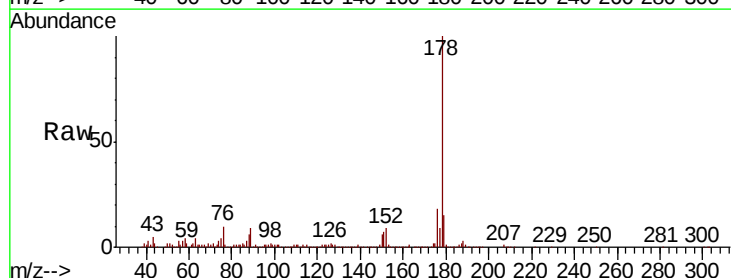
Manual Integrations
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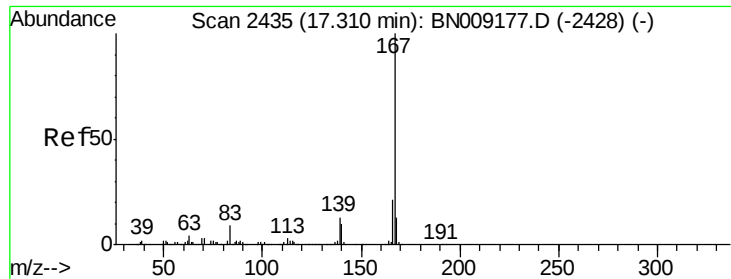
mohammad
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#71
Anthracene
Concen: 3.257 ng/ul
RT: 17.03 min Scan# 2388
Delta R.T. -0.00 min
Lab File: BN009185.D
Acq: 26 Dec 2019 22:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	18.8
176	17.8	14.8	22.2





#74

Carbazole

Concen: 1.530 ng/ul

RT: 17.31 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

Instrument :

BNA_N

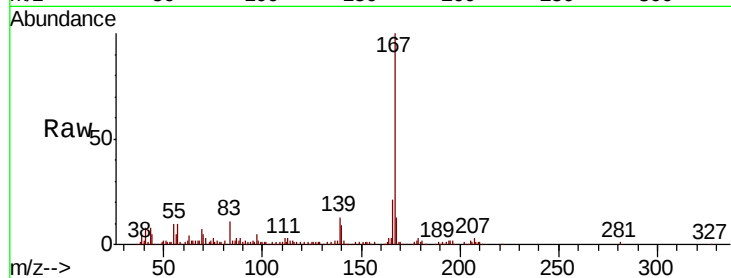
ClientSampleId :

CB5R9

Tot Ion:	167	Resp:	143059
Ion Ratio	Lower	Upper	
167	100		
166	21.5	16.8	25.2
139	13.2	10.6	15.8

Manual Integrations
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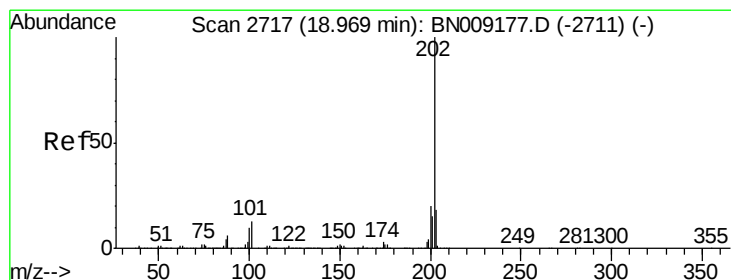
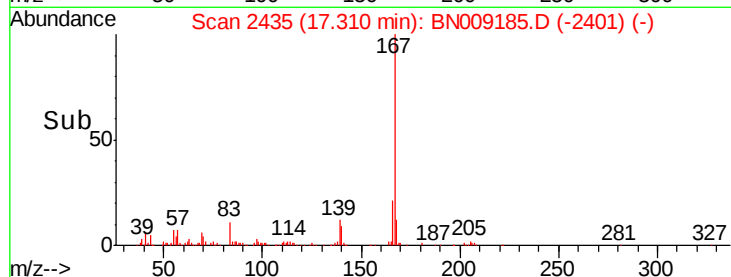
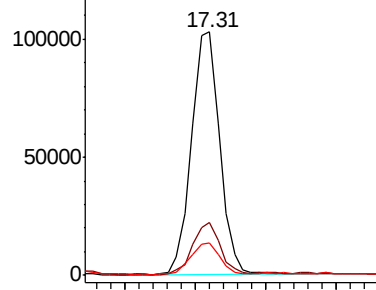


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 22.979 ng/ul

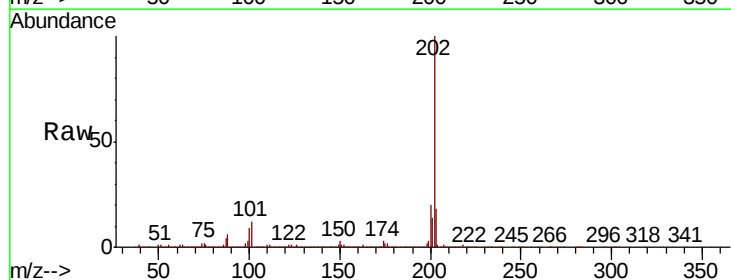
RT: 18.97 min Scan# 2717

Delta R.T. -0.00 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

Tgt Ion:	202	Resp:	2790603
Ion Ratio	Lower	Upper	
202	100		
101	12.2	9.3	13.9
100	9.4	7.6	11.4

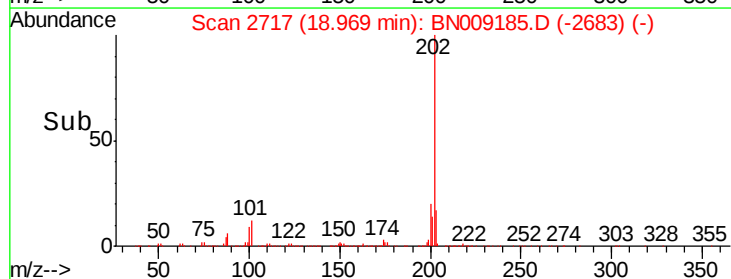
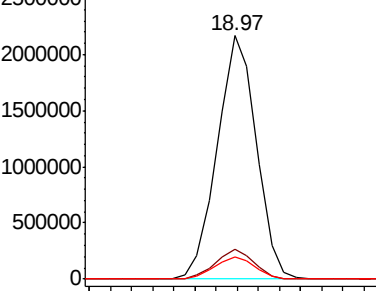


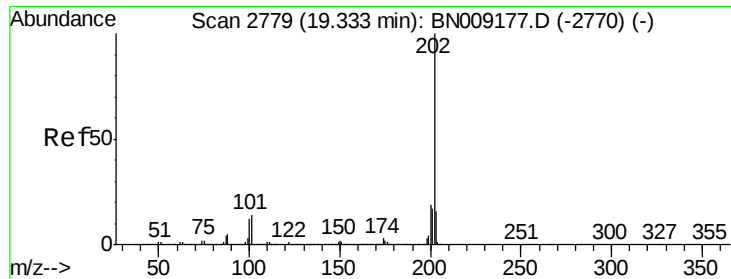
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





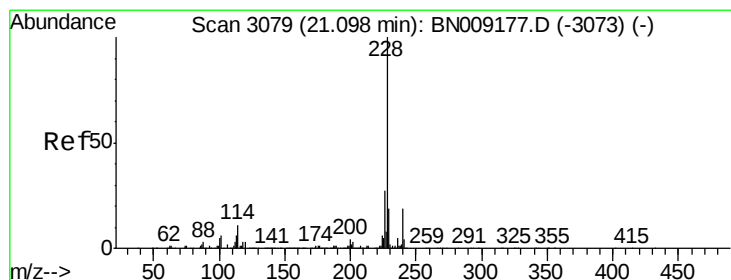
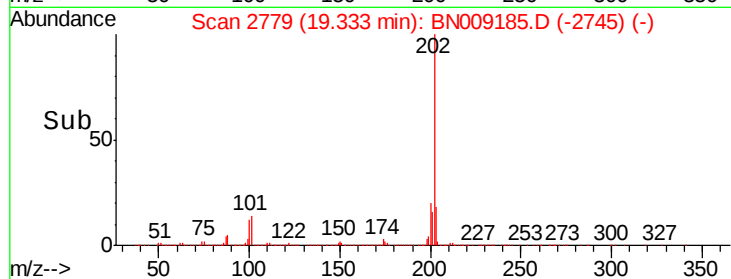
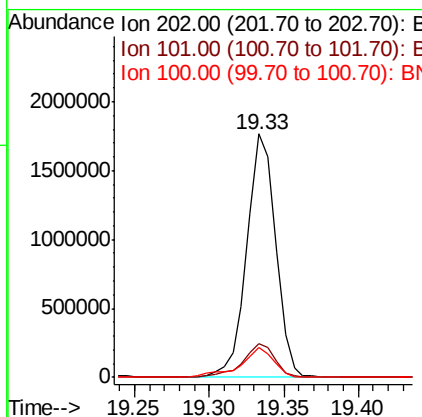
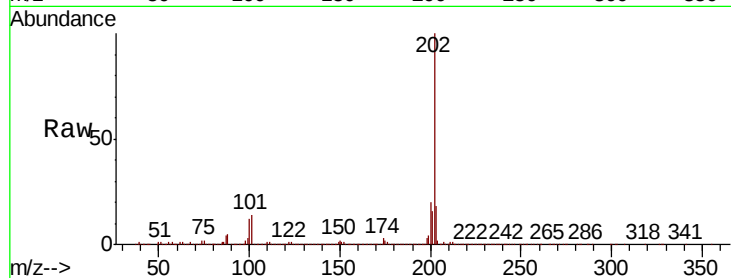
#79
Pvrene
Concen: 22.841 ng/ul
RT: 19.33 min Scan# 2779
Delta R.T. -0.00 min
Lab File: BN009185.D
Acq: 26 Dec 2019 22:40

Instrument :
BNA_N
ClientSampleId :
CB5R9

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.0	11.1	16.7
100	12.1	9.0	13.4

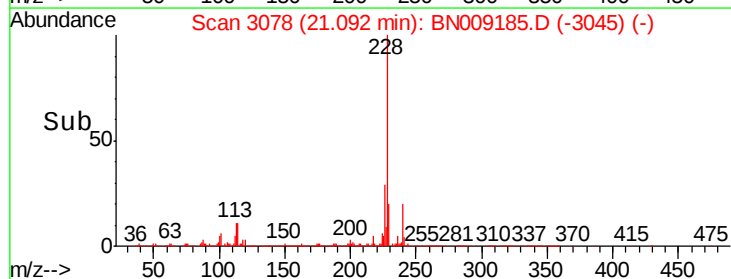
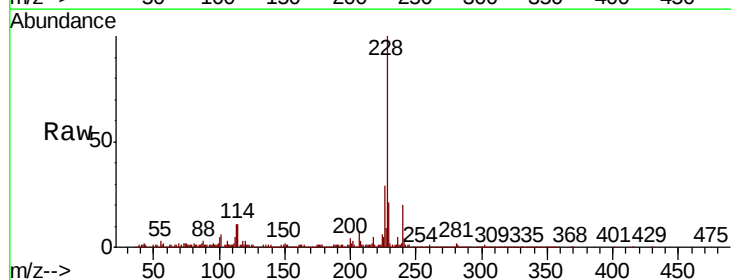
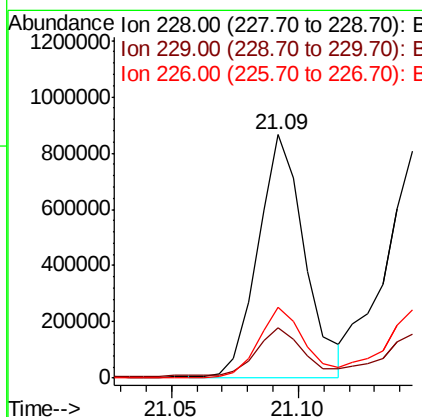
Manual Integrations
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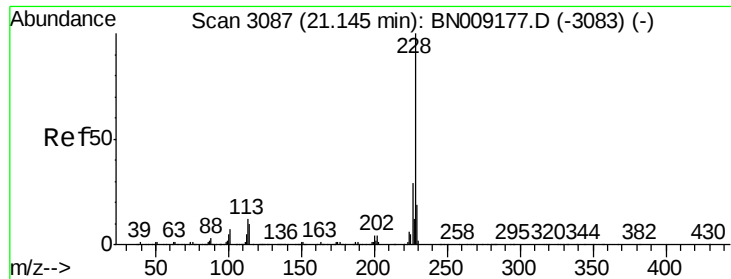
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12/27/2019 3:20:27 PM



#82
Benzo(a)anthracene
Concen: 11.097 ng/ul
RT: 21.09 min Scan# 3078
Delta R.T. -0.01 min
Lab File: BN009185.D
Acq: 26 Dec 2019 22:40

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.2	22.8
226	28.9	19.8	29.6





#84

Chrysene

Concen: 11.146 ng/u1

RT: 21.15 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

Instrument :

BNA_N

ClientSampled :

CB5R9

Tot Ion:228 Resp: 1077835

Ion Ratio Lower Upper

228 100

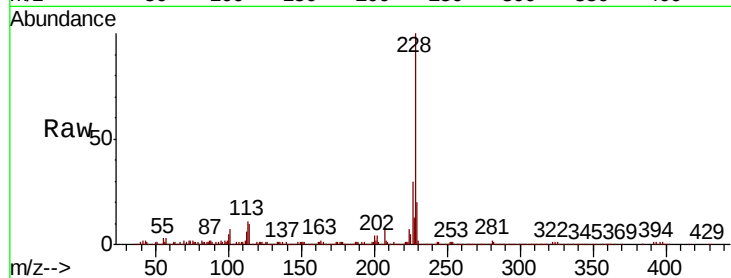
226 30.2 23.9 35.9

229 19.6 15.9 23.9

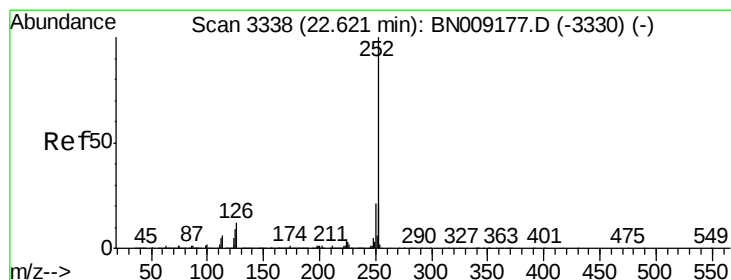
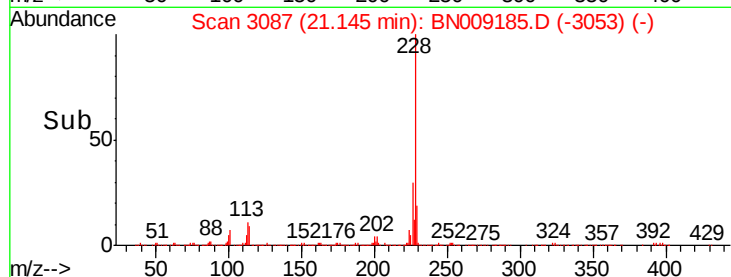
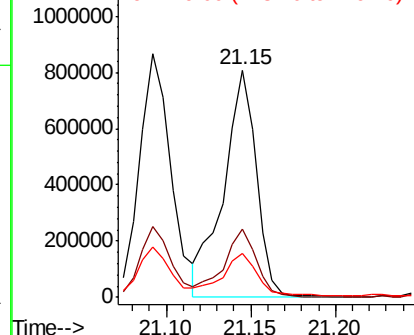
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 14.646 ng/u1

RT: 22.62 min Scan# 3337

Delta R.T. -0.01 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

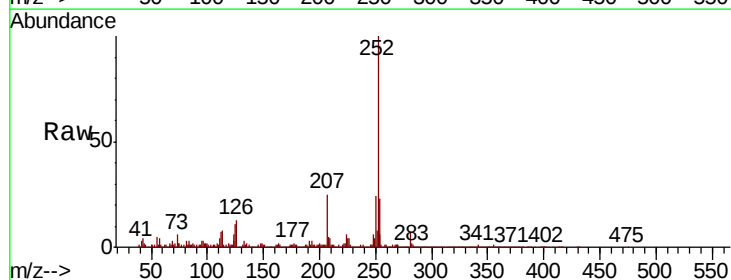
Tgt Ion:252 Resp: 1195528

Ion Ratio Lower Upper

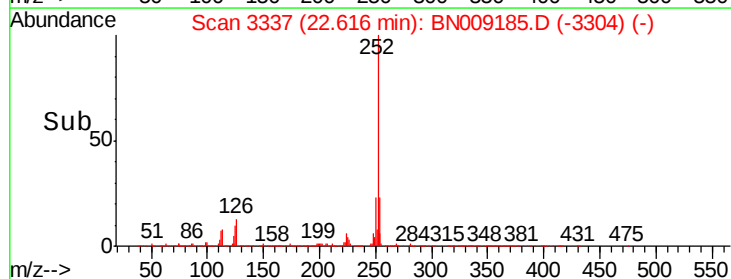
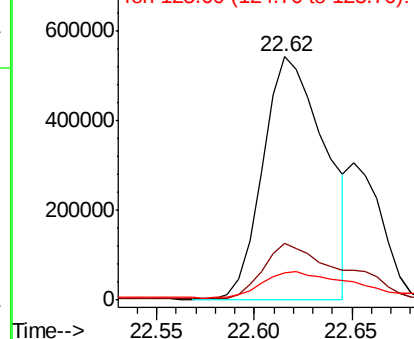
252 100

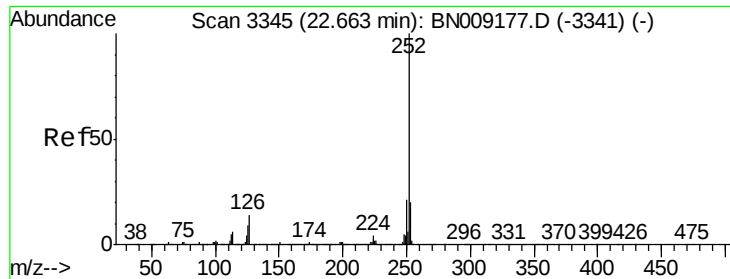
253 23.3 17.2 25.8

125 11.2 8.5 12.7



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





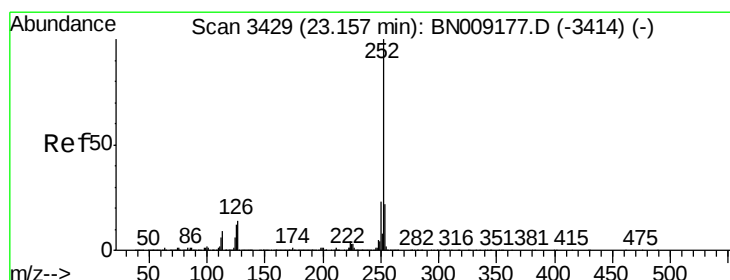
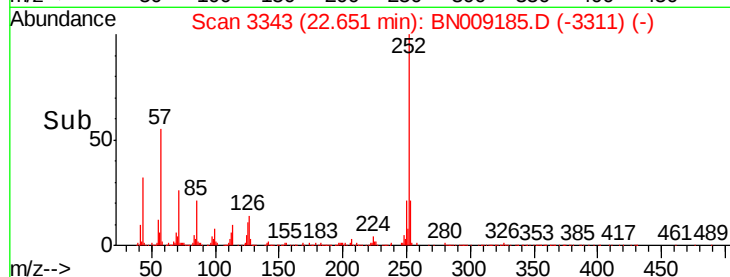
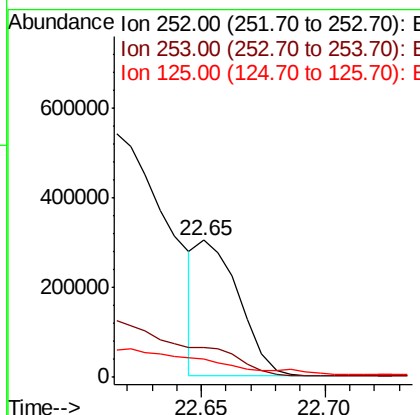
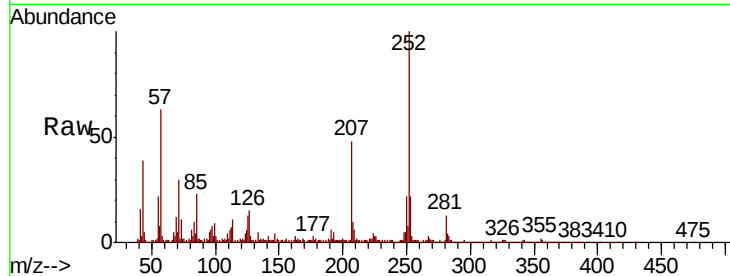
#88
Benzo(k)fluoranthene
Concen: 4.432 ng/ul
RT: 22.65 min Scan# 3343
Delta R.T. -0.01 min
Lab File: BN009185.D
Acq: 26 Dec 2019 22:40

Instrument :
BNA_N
ClientSampled :
CB5R9

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	13.0	8.8	13.2

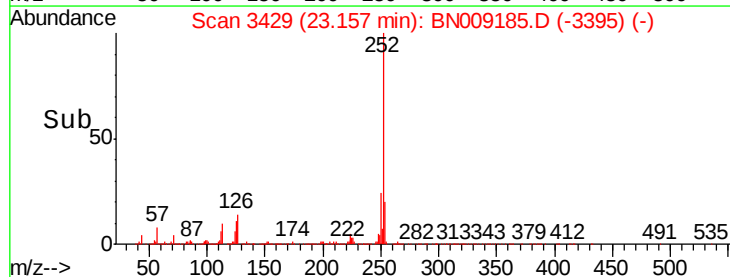
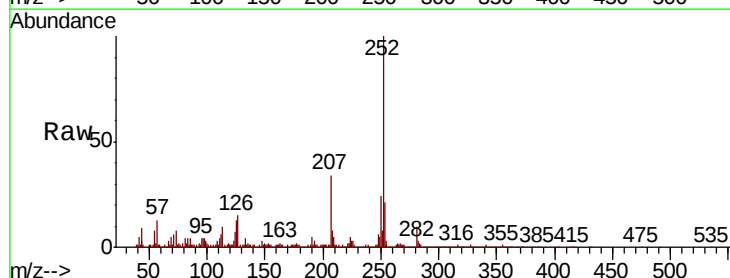
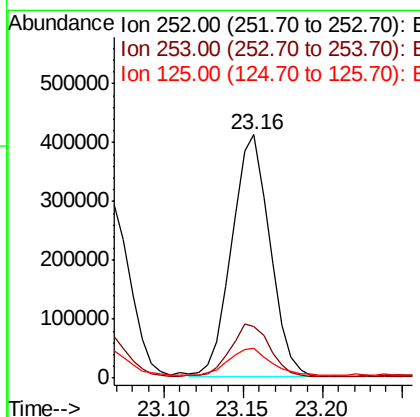
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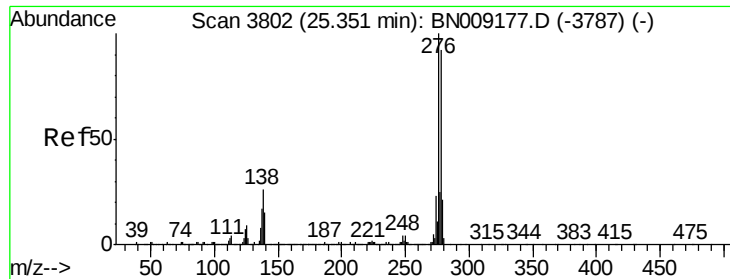
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#90
Benzo(a)pyrene
Concen: 9.134 ng/ul
RT: 23.16 min Scan# 3429
Delta R.T. -0.00 min
Lab File: BN009185.D
Acq: 26 Dec 2019 22:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	12.5	9.5	14.3





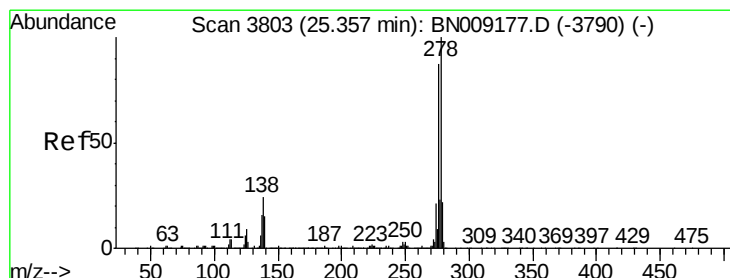
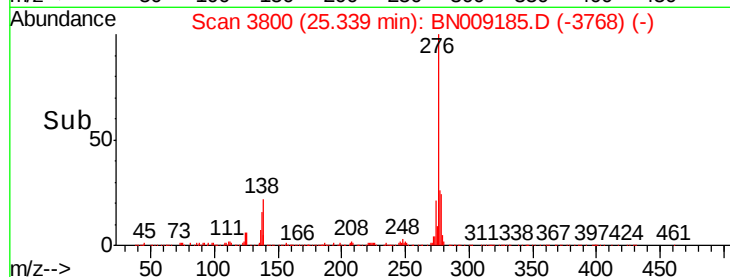
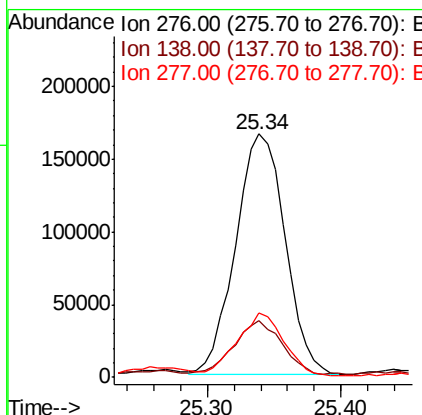
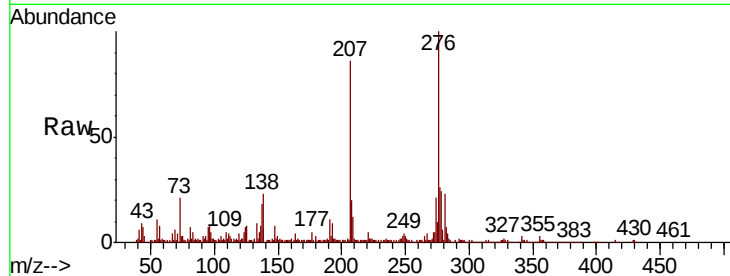
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 4.701 ng/ul
 RT: 25.34 min Scan# 3800
 Delta R.T. -0.01 min
 Lab File: BN009185.D
 Acq: 26 Dec 2019 22:40

Instrument :
 BNA_N
 ClientSampled :
 CB5R9

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	20.5	30.7
277	26.2	20.2	30.4

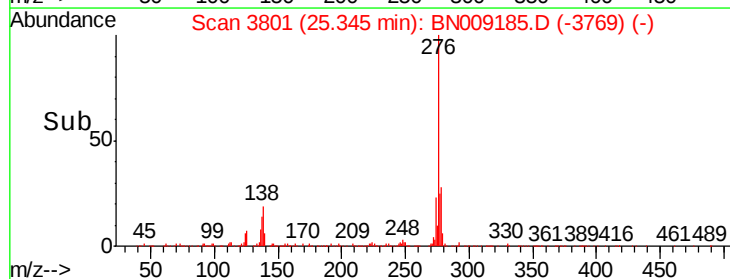
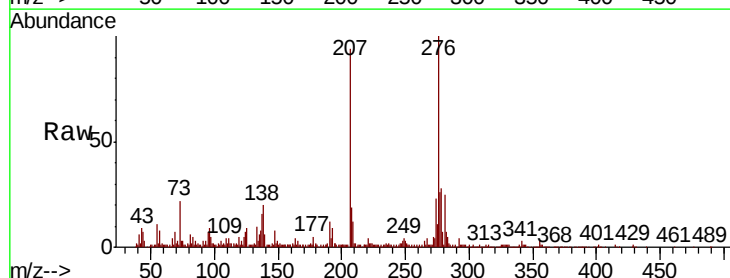
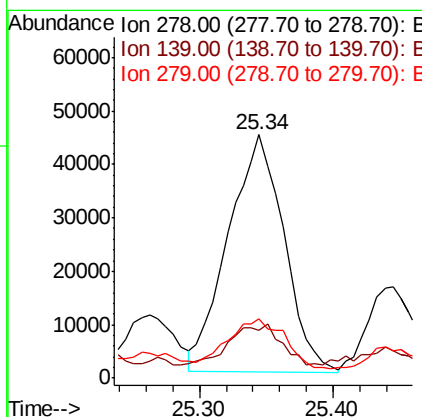
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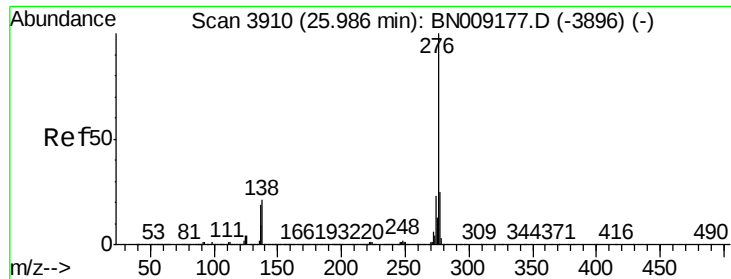
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#92
 Dibenzo(a,h)anthracene
 Concen: 1.685 ng/ul
 RT: 25.34 min Scan# 3801
 Delta R.T. -0.01 min
 Lab File: BN009185.D
 Acq: 26 Dec 2019 22:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.7	12.4	18.6#
279	24.2	19.0	28.6





#93

Benzo(a,h,i)perylene

Concen: 5.293 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BN009185.D

Acq: 26 Dec 2019 22:40

Instrument :

BNA_N

ClientSampleId :

CB5R9

Tot Ion:	276	Resp:	402186
Ion Ratio		Lower	Upper
276	100		
138	22.1	17.8	26.6
277	25.0	18.9	28.3

Manual Integrations
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